PACCAR PARTS

TRAILER PARTS CATALOGUE



VOLUME 1

Axles/Slack Adjuster
S-Cam/Braking

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OUR COMMITMENT TO YOU



AVAILABILITY

With more than 250,000 available truck & trailer parts and accessories, if there's a part you need, chances are we have it. Highly efficient inventory management, investment in innovative warehousing technologies and our extensive dealer network ensure we can deliver on our commitment to having parts available to you throughout Australia.



QUALITY PARTS

You can count on us to deliver the highest quality truck & trailer parts and accessories for all models of Kenworth, DAF and mainstream European and US drivelines. The brands we partner with support this commitment.



TECHNICAL EXPERTISE

Our people know parts, like you know trucks. We're not just a market-leading truck & trailer parts distributor, we're also an industry leader in technical expertise.

PACCAR PARTS TRAILER HISTORY

PACCAR is well known for its long history manufacturing prime mover and heavy rigid trucks; however there is an even earlier history you may not be aware of that ties in with the modern-day aftermarket area of the business. PACCAR has a proud history originally founded in the manufacture of towed platforms, namely rail carts. In 1905, William Pigott Senior founded Seattle Car Mfg. Co. to produce railway and logging equipment at its plant in West Seattle in the US.

Since 1996, PACCAR Parts Australia has become a well-established distributor of trailer components, stocking original equipment parts as well as aftermarket equivalents from a global network of manufacturers. Through its extensive PACCAR dealer network covering Australia, New Zealand and Papua New Guinea, PACCAR Parts and TRP® stores stock an extensive range of parts, including TRP® branded trailer products, all manufactured by ISO certified companies that offer excellent value and uncompromised quality.

PACCAR Parts Australia stock over 6000 part numbers in the trailer category. The range includes products from industry-leading brands, such as BPW-Transpec, SAF-Holland, Hendrickson, Fuwa K-Hitch, Knorr-Bremse, Stemco, Timken, SKF, JOST, Meritor, Narva, Hella, Air Brake Corporation, and of course TRP®!

The product categories that PACCAR Parts Australia offer to customers cover everything a fleet or owner-driver needs to keep their trucks and trailers running. The product range includes parts for axles, suspension, (mechanical and air), wheel end and brake parts, fifth wheels, king pins, couplings, landing legs, mud flaps, load restraints, wheels and wheel chocks, lighting, signage, water tanks, curtain repair gear and toolboxes.



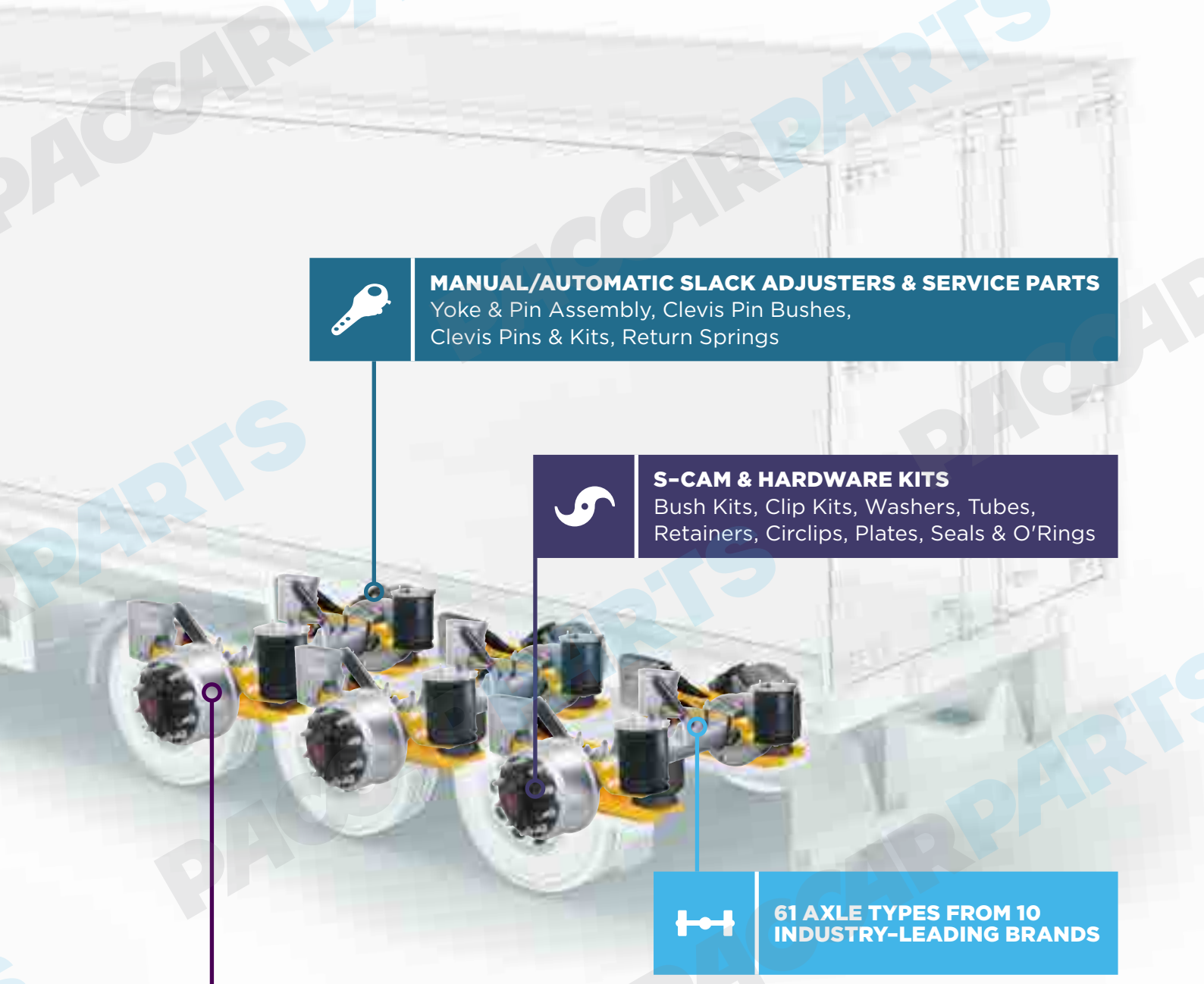
Pacific Car & Foundry on parade – Portland 1918



Pacific Car & Foundry manufacturing site

PACCAR PARTS TRAILER CATALOGUE

Volume 1 — Axles, Slack Adjusters, S-Cams & Braking



MANUAL/AUTOMATIC SLACK ADJUSTERS & SERVICE PARTS
Yoke & Pin Assembly, Clevis Pin Bushes, Clevis Pins & Kits, Return Springs

S-CAM & HARDWARE KITS
Bush Kits, Clip Kits, Washers, Tubes, Retainers, Circlips, Plates, Seals & O'Rings

61 AXLE TYPES FROM 10 INDUSTRY-LEADING BRANDS

BRAKE SHOES, HARDWARE & KITS
Anchor Pins, Bushes, Circlips, Washers, Rollers, Retainers, Return Springs & more

INTRODUCTION

The PACCAR Parts trailer catalogue is testament to PACCAR's commitment to the Australian trailer market. This detailed and comprehensive catalogue contains parts information from major industry-leading trailer parts suppliers.

It is a must have guide for fleet managers, workshop mechanics, owner drivers and anyone working with trailers, no matter what the application.

In the catalogue we have compiled trailer part related information from Australia's leading parts manufacturers, including PACCAR's own brand, TRP®, giving you a one stop shop for all your trailer part needs. Each category within the guide has been colour coded to ensure simple location of the part you are looking for. In addition, high quality photos and Bill of Material (BOM) drawings, with associated indexing, allows you to visualise the part you are searching for.

On behalf of PACCAR Parts Australia, I hope you find our trailer volumes a useful and essential resource to your business!

Best regards,

Damian Smethurst
General Manager
PACCAR Parts Australia



TRUCK & TRAILER CONFIGURATION GUIDE

		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
1. COMMON RIGID TRUCKS - GENERAL ACCESS						
(A)	 6.0t 9.0t	**2 Axle Rigid Truck**	≤ 12.5	15.0	CML does not apply	-
(B)	 6.0t 16.5t	**3 Axle Rigid Truck**	≤ 12.5	22.5	23.0	-
(C)	 6.0t 20.0t	**4 Axle Rigid Truck**	≤ 12.5	26.0	27.0	-
(D)	 10.0t* 16.5t	**4 Axle Twinsteer Rigid Truck**	≤ 12.5	26.5	27.0	-
(E)	 10.0t* 20.0t	**5 Axle Twinsteer Rigid Truck**	≤ 12.5	30.0	31.0	-
2. COMMON SEMITRAILER COMBINATIONS - GENERAL ACCESS						
(A)	 6.0t 9.0t 9.0t	**3 Axle Semitrailer**	≤ 19.0	24.0	-	-
(B)	 6.0t 9.0t 16.5t	**4 Axle Semitrailer**	≤ 19.0	31.5	32.0	32.0
(C)	 6.0t 9.0t 20t	**5 Axle Semitrailer**	≤ 19.0	35.0	36.0	37.5
(D)	 6.0t 16.5t 16.5t	**5 Axle Semitrailer**	≤ 19.0	39.0	40.0	40.0
(E)	 6.0t 16.5t 20.0t	**6 Axle Semitrailer**	≤ 19.0	42.5	43.5	45.5

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.''The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

Please note, additional limits are allowed for steer axles under Schedule 1, Part 2 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.
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		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
3. COMMON RIGID TRUCK AND TRAILER COMBINATIONS (General access when complying with prescribed mass & dimension requirements)						
(A)	 6.0t 9.0t 9.0t** 9.0t**	**2 Axle Truck & 2 Axle Dog Trailer**	≤ 19.0	30.0	-	-
(B)	 6.0t 9.0t 15.0t	**2 Axle Truck & 2 Axle Pig Trailer**	≤ 19.0	30.0	CML does not apply	-
(C)	 6.0t 16.5t 9.0t 9.0t	**3 Axle Truck & 2 Axle Dog Trailer**	≤ 19.0	40.5	41.0	-
(D)	 6.0t 16.5t 15.0t	**3 Axle Truck & 2 Axle Pig Trailer**	≤ 19.0	37.5	CML does not apply	-
(E)	 6.0t 16.5t 9.0t** 16.5t**	**3 Axle Truck & 3 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(F)	 6.0t 16.5t 18.0t	**3 Axle Truck & 3 Axle Pig Trailer**	≤ 19.0	40.5	CML does not apply	-
(G)	 6.0t 16.5t 16.5t** 16.5t**	**3 Axle Truck & 4 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(H)	 10.0t* 16.5t 9.0t 16.5t	**4 Axle Truck & 3 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(I)	 10.0t* 16.5t 16.5t** 16.5t**	**4 Axle Truck & 4 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
4. COMMON B-DOUBLE COMBINATIONS - CLASS 2						
(A)	 6.0t 16.5t 16.5t 16.5t	**7 Axle B-double**	≤ 19.0	55.5	57.0	57.0
(B)	 6.0t 16.5t 20.0t 16.5t	**8 Axle B-double**	≤ 26.0	59.0	61.0	62.5
(C)	 6.0t 16.5t 16.5t 20.0t	**8 Axle B-double**	≤ 26.0	59.0	61.0	62.5
(D)	 6.0t 16.5t 20.0t 20.0t	**9 Axle B-double**	≤ 26.0	62.5	64.5	68.0

MRM = Maximum Regulatory Mass m = metres t = tonnes

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TRUCK & TRAILER CONFIGURATION GUIDE

		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
5. COMMON TYPE 1 ROAD TRAINS - CLASS 2						
(A)		**9 Axle A-Double**	≤ 36.5	72.0	74.0	74.0
(B)		**11 Axle A-Double**	≤ 36.5	79.0	81.0	85.0
(C)		**12 Axle A-Double**	≤ 36.5	82.5	84.5	90.5
(D)		**12 Axle Modular B-Triple**	≤ 35.0	82.5	84.5	90.5
(E)		**12 Axle B-Triple**	≤ 36.5	82.5	84.5	90.5
(F)		**14 Axle AB-Triple**	≤ 36.5	99.0	101.0	107.5
(G)		**15 Axle AB-Triple**	≤ 36.5	102.5	104.5	113.0
(H)		**11 Axle Rigid Truck & 2 Dog Trailers**	≤ 36.5	88.5	90.5	91.0

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.**The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

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		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
6. COMMON TYPE 2 ROAD TRAINS - CLASS 2						
(A)		**16 Axle A-Triple**	≤ 53.5	115.5	117.5	124.5
(B)		**18 Axle A-Triple**	≤ 53.5	122.5	124.5	135.5
(C)		**15 Axle AB-Triple**	≤ 47.5 – Classified by the NHVR as Type 1 when L ≤ 36.5m	102.5	104.5	113.0
(D)		**13 Axle Rigid Truck & 2 Dog Trailers**	≤ 47.5 – Classified by the NHVR as Type 1 when L ≤ 36.5m	95.5	97.5	102.0
(E)		**17 Axle BAB-Quad**	≤ 53.5	119.0	121.0	130.0
(F)		**18 Axle BAB-Quad**	≤ 53.5	122.5	124.5	135.5
(G)		**17 Axle ABB-Quad**	≤ 53.5	119.0	121.0	130.0
(H)		**18 Axle ABB-Quad**	≤ 53.5	122.5	124.5	135.5

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.**The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

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OF THE PACCAR PARTS
TRAILER CATALOGUE
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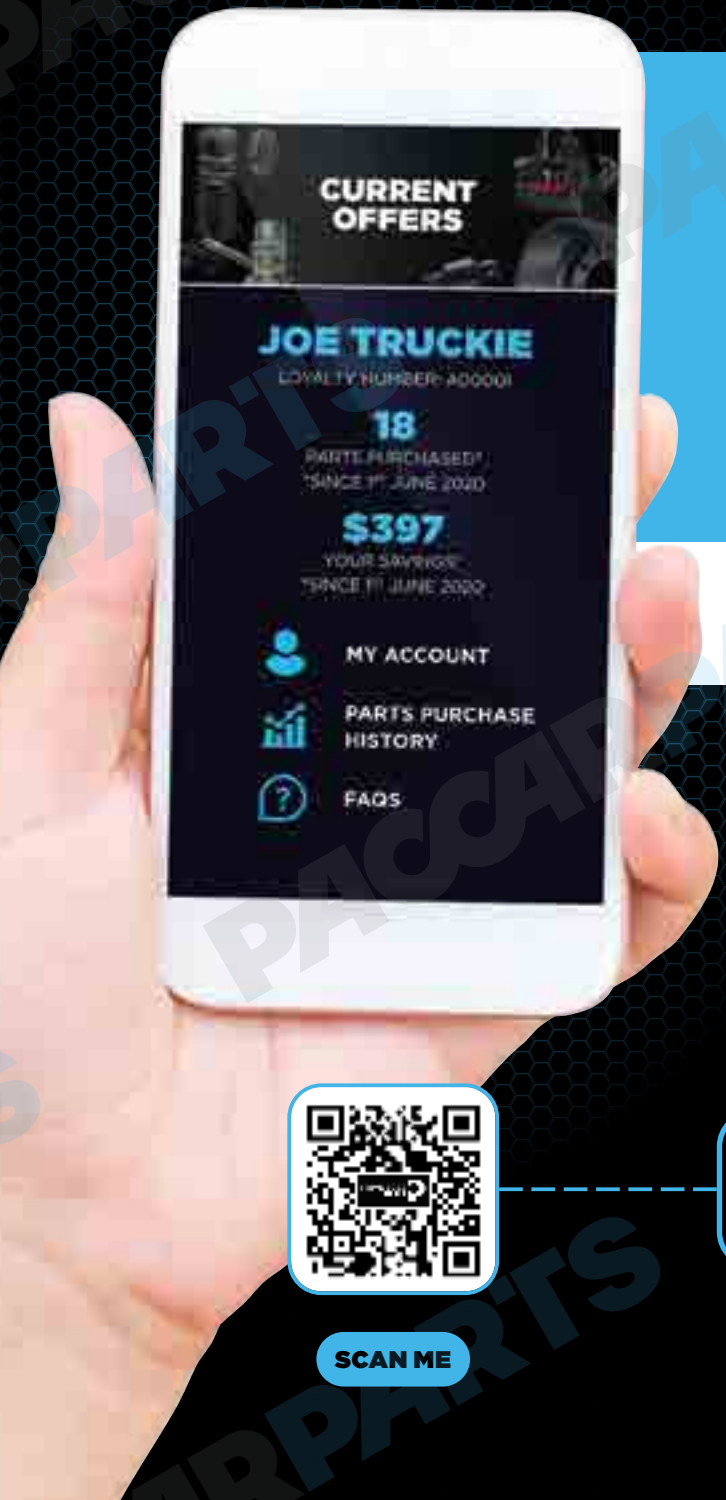
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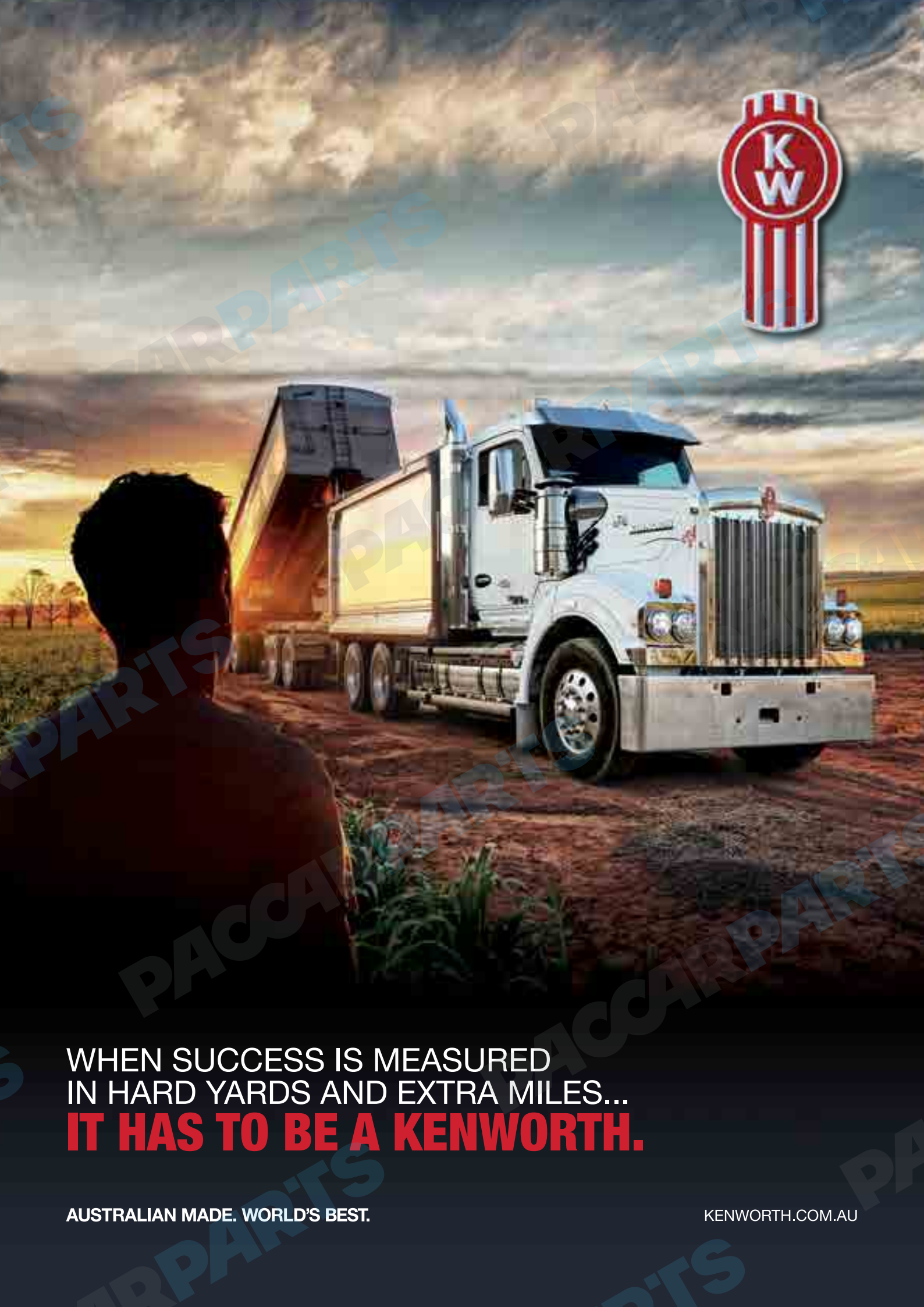
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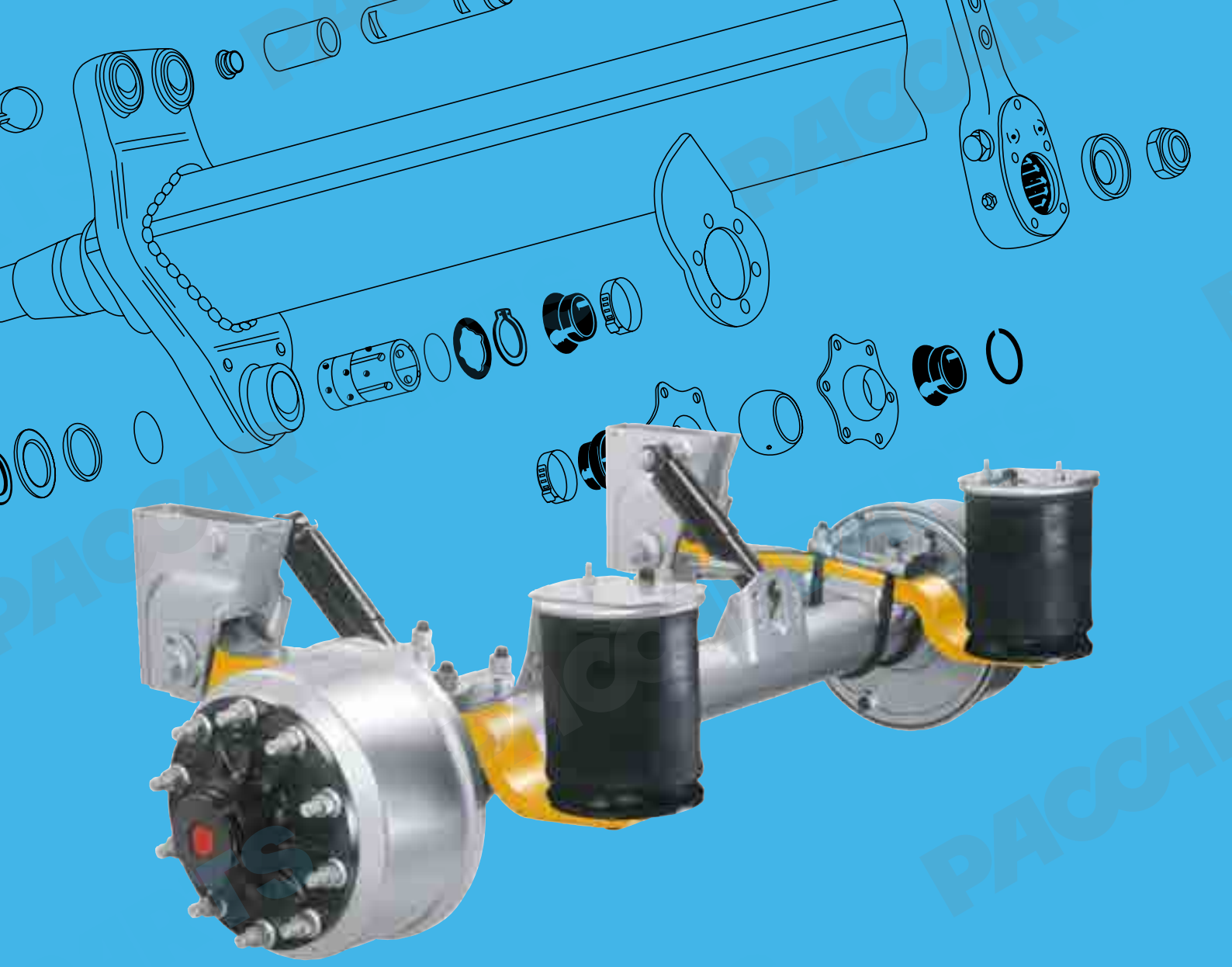
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METRIC CONVERSION

Inch (Fraction)	Inch (Decimal)	mm
1/64	0.0156	0.397
1/32	0.0313	0.794
3/64	0.0469	1.191
1/16	0.0625	1.587
5/64	0.0781	1.984
3/32	0.0938	2.381
7/64	0.1094	2.778
1/8	**0.125**	**3.175**
9/64	0.1406	3.572
5/32	0.1563	3.969
11/64	0.1719	4.366
3/16	0.1875	4.762
13/64	0.2031	5.159
7/32	0.2188	5.556
15/64	0.2344	5.953
1/4	**0.25**	**6.35**
17/64	0.2656	6.747
9/32	0.2813	7.144
19/64	0.2969	7.541
5/16	0.3125	7.937
21/64	0.3281	8.334
11/32	0.3438	8.731
23/64	0.3594	9.128
3/8	**0.375**	**9.525**
25/64	0.3906	9.922
13/32	0.4063	10.319
27/64	0.4219	10.716
7/16	0.4375	11.113
29/64	0.4531	11.509
15/32	0.4688	11.906
31/64	0.4844	12.303
1/2	**0.5**	**12.7**

Inch (Fraction)	Inch (Decimal)	mm
33/64	0.5156	13.097
17/32	0.5313	13.494
35/64	0.5469	13.890
9/16	0.5625	14.287
37/64	0.5781	14.684
19/32	0.5938	15.081
39/64	0.6094	15.478
5/8	**0.625**	**15.875**
41/64	0.6406	16.272
21/32	0.6563	16.669
43/64	0.6719	17.065
11/16	0.6875	17.462
45/64	0.7031	17.859
23/32	0.7188	18.265
47/64	0.7344	18.653
3/4	**0.75**	**19.05**
49/64	0.7656	19.447
25/32	0.7813	19.884
51/64	0.7969	20.240
13/16	0.8125	20.637
53/64	0.8281	21.034
27/32	0.8438	21.431
55/64	0.8594	21.828
7/8	**0.875**	**22.225**
57/64	0.8906	22.622
29/32	0.9063	23.019
59/64	0.9219	23.415
15/16	0.9375	23.812
61/64	0.9531	24.209
31/32	0.9688	24.606
63/64	0.9844	25.003
1	**1**	**25.4**



The following section will provide you with a comprehensive breakdown of popular axle assemblies used in Australia, New Zealand and Papua New Guinea. Facing some of the harshest road conditions in the world, your equipment requires regular maintenance & high quality parts.

At PACCAR Parts, Uptime is paramount, which is why we have partnered with axle manufacturers who independently test to meet ADR & internationally recognised standards, to guarantee reliability and safety.

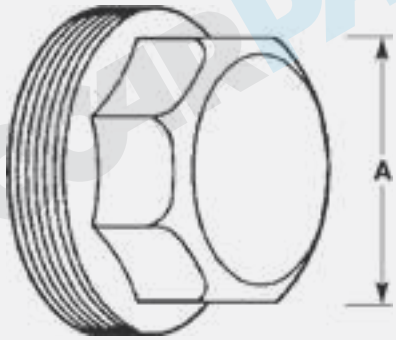
AXLE

HUBCAP GUIDE	18	**EARLY TRAILER AXLE**	303
BPW	27	GENERAL PURPOSE	306
FUWA K HITCH	69	DANA SPICER	310
YORK	135	FREIGHTER	324
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HENDRICKSON	211	FRUEHAUF	338
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TO VIEW THE DIGITAL VERSION OF THE PACCAR PARTS TRAILER CATALOGUE SCAN HERE!

AXLE IDENTIFICATION
HUB CAP GUIDE

To assist with axle identification with some of the older axles still in use on the road, this quick reference hub cap guide including cap dimensions will help you identify the axle brand or type when axle ID tags are missing or illegible.

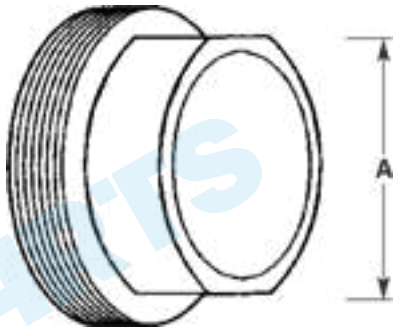


BPW OLD GENERATION
GREASE HUB

Steel Hexagonal Cap with External Thread

125mm O/D x 3mm Pitch Thread
A = 110mm 20" Axle

115mm O/D x 3mm Pitch Thread
A = 95mm 15" Axle



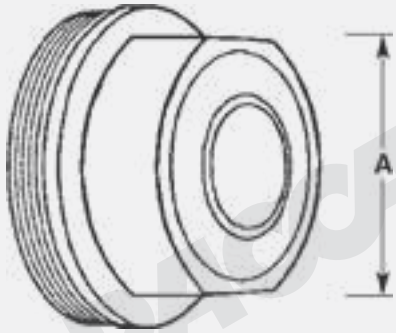
BPW NEW GENERATION
GREASE HUB

Steel Oval Type Cap with External Thread

125mm O/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

115mm O/D x 2mm Pitch Thread
A = 95mm 20" H9000 Lightweight Axle

15" NR9000 Axle



BPW NEW GENERATION
OIL HUB

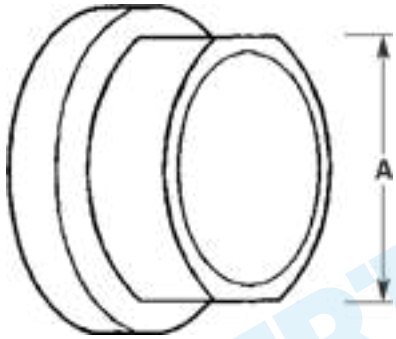
Alloy Oval Type Cap with Window & External Thread

125mm O/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

115mm O/D x 2mm Pitch Thread
A = 95mm 20" H9000 Lightweight Axle

15" NR9000 Axle

**NOTE: Early Oil Hubs had a Red Plastic Hexagonal Cap.*



BPW ECO & ECO PLUS HUB
ECO Introduced 1997
ECO PLUS Introduced 2009

Steel Oval Type Cap with Internal Thread

135mm I/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

125mm I/D x 2mm Pitch Thread
A = 110mm 20" H9000 Lightweight Axle

15" NR9000 Axle

AXLE IDENTIFICATION
HUB CAP GUIDE



FREIGHTER MK-V

Alloy Hub Cap 5-Hole
7-½" O/D – 6-⅜" PCD



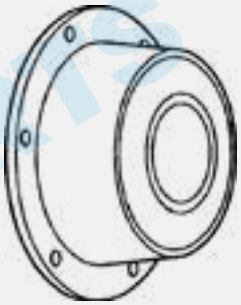
PROPAR STYLE

This axle uses Parallel Bearing Combination.
Hard Wearing Plastic Cap with External Thread

or

Pressed Metal Cap with External Thread
6-¼" – 8 Thread

USED ON FRUEHAUF, Holland PROPAR, Fuwa K Hitch, York Outback Axles



GENERAL PURPOSE
GREASE HUB

Pressed Metal or Alloy 5 or 6 Hole Hub Cap
6-¼" O/D – 5-½" PCD



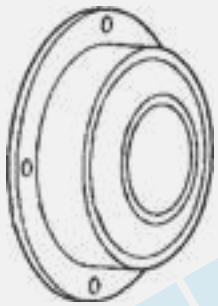
GENERAL PURPOSE
OIL HUB

Alloy 3, 5 or 6 Hole Hub Cap with Window

6" O/D – 5-¼" PCD - 3 Hole
To suit early Freuhauf Round & I Beam Axles NLA

6-¼" O/D – 5-½" PCD - 5 & 6 Hole GP Hubs

7-½" O/D – 6-¾" PCD - 6 Hole Conmet Alloy Hub
used on some PROPAR Axles

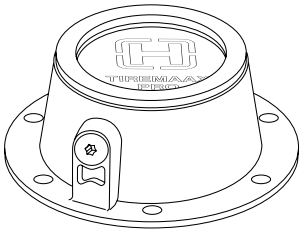
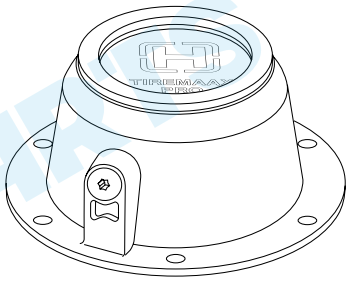


McGRATH

Alloy or Steel 4 Hole Hub Cap
6-⅞" O/D – 6-⅛" PCD

AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

TIREMAAX HUBCAPS

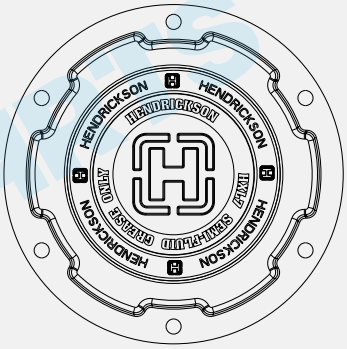
ITEM NO.		PART NO.	SPINDLE	BEARING	DESCRIPTION	NOTES
	1	97453-008		Conventional	TIREMAAX Hubcap Decal	
		97453-009		PreSet		
		97453-015		HXL2		
		97453-011		HXL5		
		97453-010		HXL7		
	2	C-32055-4	HN		TIREMAAX Hubcap	Single Wheel, without Decal
		VS-32055-3			Kit, TIREMAAX Hubcap	Dual Wheel without Decal Includes Gasket & Bolts
		C-32055-3			TIREMAAX Hubcap	Dual Wheel, without Decal
		C-32056-4	HP			Single Wheel, without Decal
		C-32056-3				Dual Wheel, without Decal

HUBCAPS DECALS

ITEM NO.		PART NO.	BEARING	DESCRIPTION	NOTES
	3	97453-004	HXL7	Hubcap Decal	Without TIREMAAX
		97453-012	HXL5		
		97453-014	HXL2		
		97453-006	PreSet		
		97453-007	Conventional		

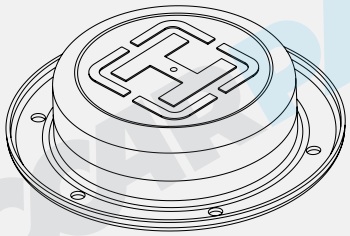
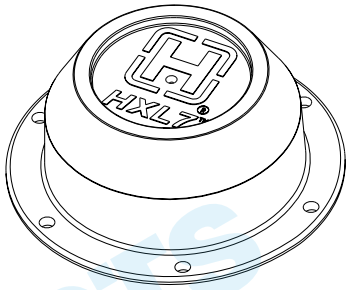
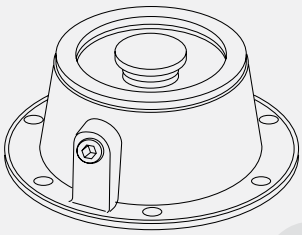
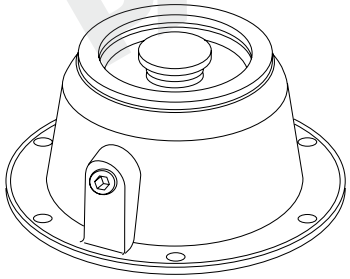
AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

HUBCAPS

ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION
 	4	98846-036P	HP	HXL7		HXL7 Standard Hubcap
		98846-037P			X	HXL7 Chrome Hubcap
		98846-061P		HXL5		HXL5 HP Standard Hubcap
		98846-062P			X	HXL5 HP Chrome Hubcap
		98846-063P	HN			HXL5 HN Standard Hubcap
		98846-064P			X	HXL5 HN Chrome Hubcap
		98846-059P	HP	HXL2		HXL2 HP Standard Hubcap
		98846-060P			X	HXL2 HP Chrome Hubcap
		98846-057P	HN			HXL2 HN Standard Hubcap
		98846-058P			X	HXL2 HN Chrome Hubcap
		98846-038P	HP	PreSet		PreSet HP Standard Hubcap
		98846-039P			X	PreSet HP Chrome Hubcap
		98846-044P	HN			PreSet HN Standard Hubcap
		98846-040P	HP	Conventional		Conventional HP Standard Hubcap
		98846-041P			X	Conventional HP Chrome Hubcap
		98846-046P	HN			Conventional HN Standard Hubcap
		98846-047P			X	Conventional HN Chrome Hubcap

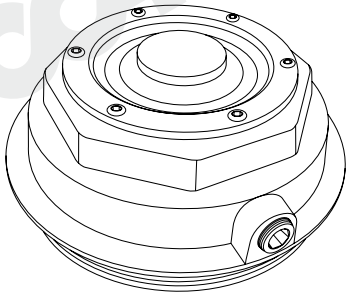
AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

HUBCAPS

ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION	NOTES
	5	S-32629-1	HP	Any		Pressed Steel HP Hubcap	Global Product
	6	C-34434	HP	HXL7		Cast Aluminium HP Hubcap	Global Product
	7	98796-002	HN	Oil		Stemco Oil Fill HN Hubcap	
	8	98920-002	HP	Oil		Stemco Oil Fill HP Hubcap	

AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

TOOWOOMBA SCREW-ON HUBCAPS

ITEM NO.	PART NO.	DESCRIPTION	NOTES
 9	98846-005	Screw-on Hubcap to Suit Toowoomba Hub	Includes Window & O-Ring Seal, Item 10
10	98920-001	Window to Suit Toowoomba Screw-on Hubcap	With O-Ring Seal & Gasket, Part of Item 9

NOTES

NOTES

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TRANSPEC

AXLE IDENTIFICATION 28
FOR AUSTRALIAN ASSEMBLED AXLES

OLD GENERATION 20" 32
420 x 180mm BRAKES

NEW GENERATION H91, H10, R10 36
420 x 180mm BRAKES

9000 LIGHTWEIGHT AXLE 40
420 x 180mm BRAKES

KH/KR AXLE (19.5") 44
360 x 200mm BRAKES

ECO HUB KH/KR AXLE (19.5") 48
360 x 200mm BRAKES

ECO HUB 9 TONNE 9010 50
HZA-ZM & HAS-SM AXLE 420 x 180mm BRAKES

ECO HUB 10 TONNE 9110 52
HZA-ZM & HAS-SM AXLE

ECO HUB DISC BRAKE AXLE 54
9 TONNE

ECO PLUS HUB - H/R, KH 56
9 & 10-12 TONNE 420 x 180mm BRAKES

ECO PLUS HUB - DISC BRAKE AXLE 58
10-12 TONNE

ECO PLUS 3 HUB - H/R, KH 62
10-12 TONNE 420 x 180mm BRAKES

ECO PLUS 3 HUB DISC BRAKE 64
10-12 TONNE

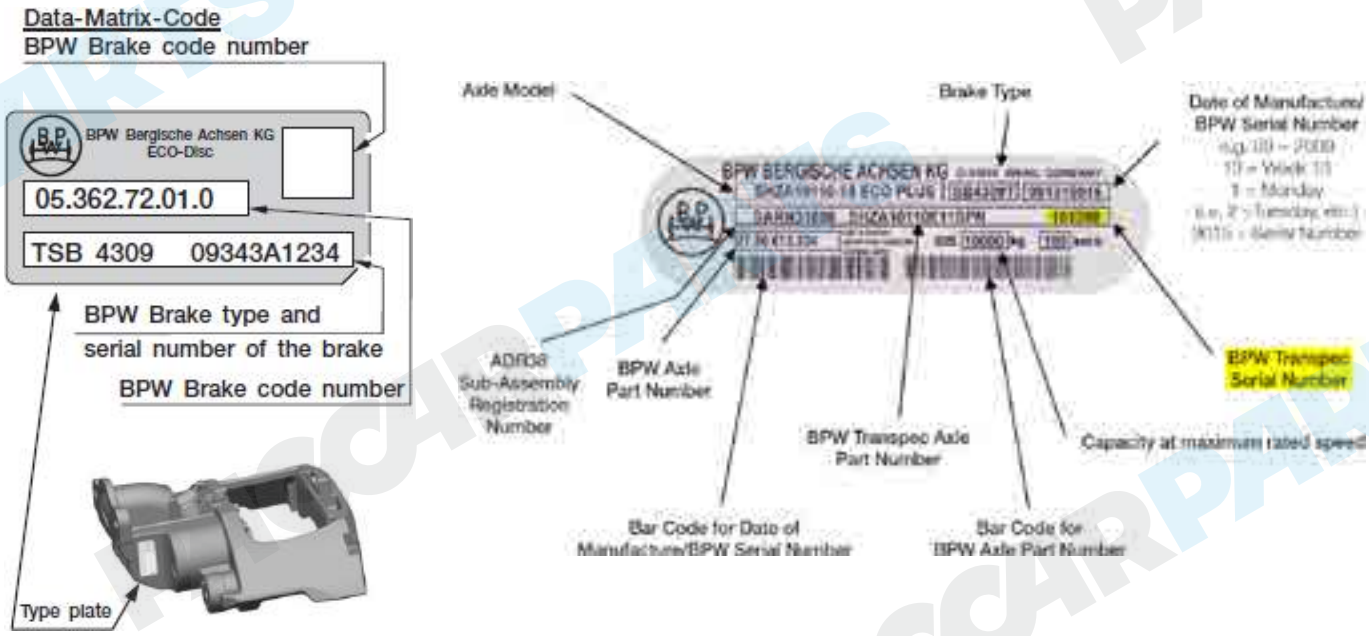
AXLE IDENTIFICATION
FOR AUSTRALIAN ASSEMBLED AXLES

DRUM BRAKE AXLE RANGE						
MODEL RANGE	AXLE BEAM PROFILE	BEAM OPTIONS	TYRE SIZE	BRAKE TYPE	BRAKE SIZE	HUB OPTIONS
H/R Series	H – Square Beam R – Round Beam	120mm Square 150mm Square 127mm Round	20"/22.5"	SN4218	Ø420x180mm	10 Stud 335 PCD 10 Stud 285 PCD Spider
KH Series	KH – Square Beam	120mm Square	19.5"	SN3620	Ø360x200mm	8 Stud 275 PCD 10 Stud 225 PCD
NH/NR Series	KH – Square Beam NR – Round Beam	120mm Square 127mm Round	15"/17.5"	SN3020	Ø300x200mm	10 Stud 225 PCD Spider

DIFFERENT HUB GENERATIONS		
HUB TYPE	AXLE LOAD	DATE RANGE
Conventional	9 & 10–12 Tonne	198 – Late 1996
ECO	9 & 10–12 Tonne	Late 1996 – Late 2008
ECO Plus	9 & 10–12 Tonne	2009 – Late 2018
ECO Plus 3	9 & 10–12 Tonne	Late 2018 – Present

TSB DISC BRAKE RANGE			
AXLE CODE	DATE RANGE	AXLE TYPE	BRAKE SIZE
SH10110	From May 2010	10 / 12 Tonne ECO Plus	TSB4309 Suits 20" Tyres
SKH10108	From January 2011		TSB3709 Suits 19.5" Tyres

TSB DISC BRAKE RANGE	
AXLE TYPE	ROTOR DIAMETER
SK...	374mm
SH...	430mm

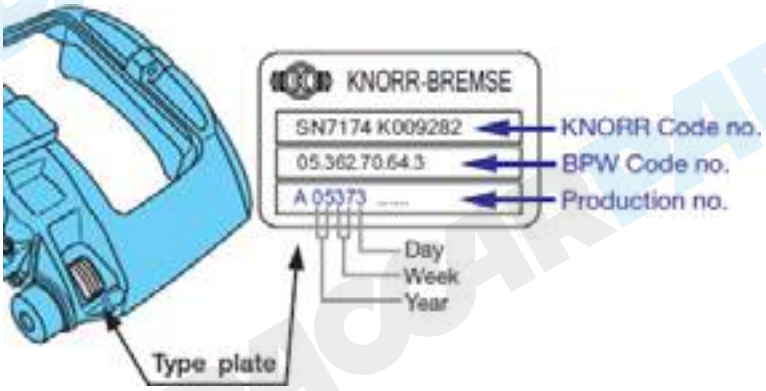


KNORR DISC BRAKE RANGE

AXLE CODE	DATE RANGE	AXLE TYPE	BRAKE SIZE
SH9010	Up to February 2004	9 Tonne ECO	SB3745
SKH9008			
SKH9008	February 2004 to August 2008	9 Tonne ECO Plus	SB3745T Suits 19.5" Tyres
SH9010			SB4309T Suits 20" Tyres
SH10110	From August 2008	10 Tonne ECO Plus	SB4309T Suits 20" Tyres
SKH10108			SB3745T Suits 19.5" Tyres

KNORR DISC BRAKE RANGE

AXLE TYPE	ROTOR DIAMETER
SK...	377mm
SH...	430mm



AXLE BEAM PROFILE

NR	Round Beam 127mm, 15" Tyres
H	Square Beam 120mm & 150mm, 20" Tyres
R	Round Beam 127mm, 20" Tyres
KH	Square Beam 120mm, 19.5" Tyres
SH	Square Beam 120mm, 20" Tyres
SKH, SK	Square Beam 120mm, 19.5" or 20" Tyres
NH	Square Beam 120mm, 15"/17.5" Tyres

BEARING COMBINATION

90	9 Tonne Bearing Combination, 120mm Square or 127mm Round Axle Beam
91	10-12 Tonne Bearing Combination, 120mm Square Axle Beam
100	10-12 Tonne Bearing Combination, 150mm Square or 127mm Round Axle Beam
101	10-12 Tonne Bearing Combination, 120mm Square Axle Beam, ECO Plus, ECO Plus 3

BRAKE SIZE

A	Drum Brake Ø420x180mm, Suits 20" Tyres
B	Drum Brake Ø360x200mm, Suits 19.5" Tyres
C	Drum Brake Ø300x200mm, Suits 15" Tyres
D	Disc Brake SB3745 (Knorr Caliper), Ø370mm Rotor, Suits 19.5" & 20" Tyres
E	Disc Brake SB4309T (Knorr Caliper), Ø430mm Rotor, Suits 20" Tyres
F	Disc Brake SB3745T (Knorr Caliper), Ø370mm Rotor, Suits 19.5" Tyres
G	Disc Brake TSB4309 (Knorr Caliper), Ø430mm Rotor, Suits 20" Tyres
H	Disc Brake TSB3709 (Knorr Caliper), Ø370mm Rotor, Suits 19.5" Tyres

H	ZA	101	10	A	11	S	P	S	N

HUB

ZA	10 Stud 285 PCD Dual Wheel, Spigot Mount
ZM	10 Stud 335 PCD, 8 Stud 275 PCD, 10 Stud 225 PCD Dual Wheel, Spigot Mount
SA	10 Stud 285 PCD Single Wheel, Spigot Mount
SM	10 Stud 335 PCD Single Wheel, Spigot Mount
XZ	Spider Dual Wheel
X	Spider Single Wheel

WHEEL FIXING

00	Spider
08	8 Stud
10	10 Stud

HUBCAP TYPE

S	Standard
H	Hubodometer

SLACK ADJUSTER

S	Manual Slack Adjusters
M	Manual Slack Adjusters with Multihole
A	Automatic Slack Adjusters

SERIAL NO.

00	Consecutive Serial No. 00-99
99	

HUB LUBRICATION

G	Grease, Conventional Hub
O	Oil, Conventional Hub
B	Grease with Oil Seal, Conventional Hub
E	ECO Hub, Grease
M	ECO Hub, Grease Push it Studs (ECO MAXX)
P	ECO Plus Hub, Grease
T	ECO Plus Hub 3

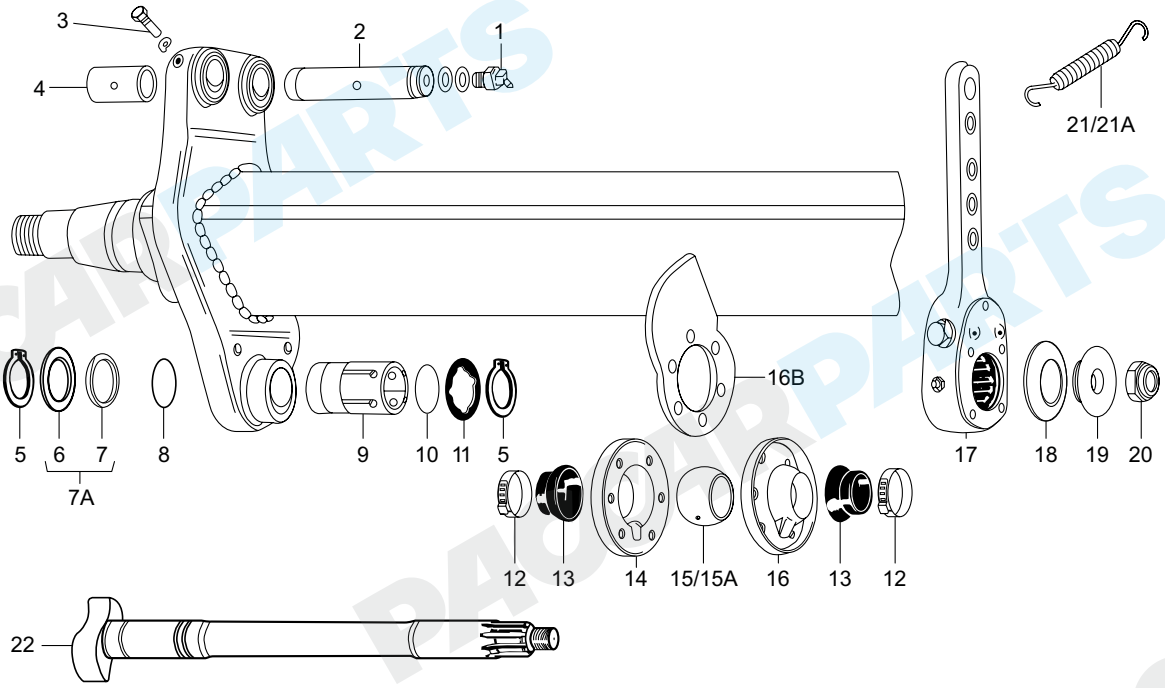
ABS

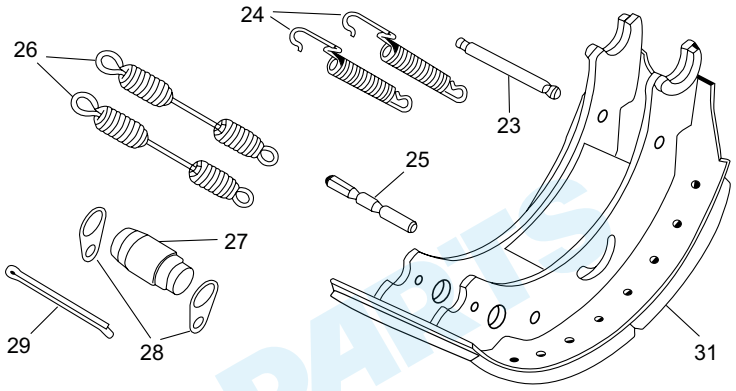
N	No ABS Fitted
A	ABS Fitted

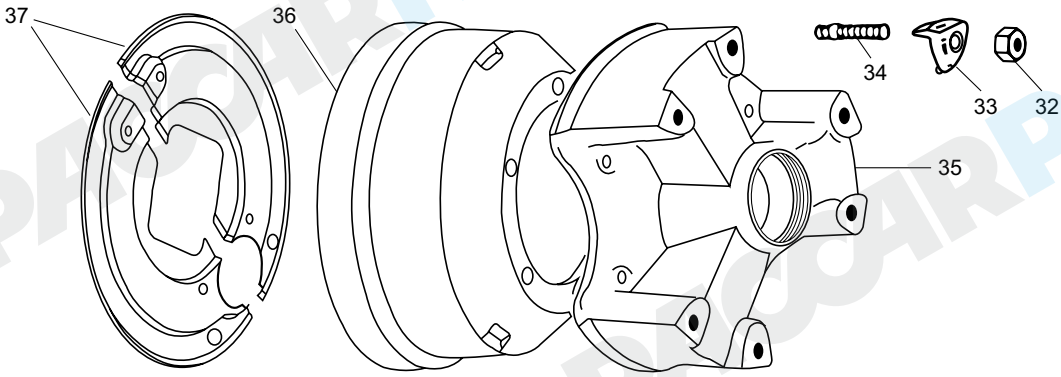
NOTES

NOTES

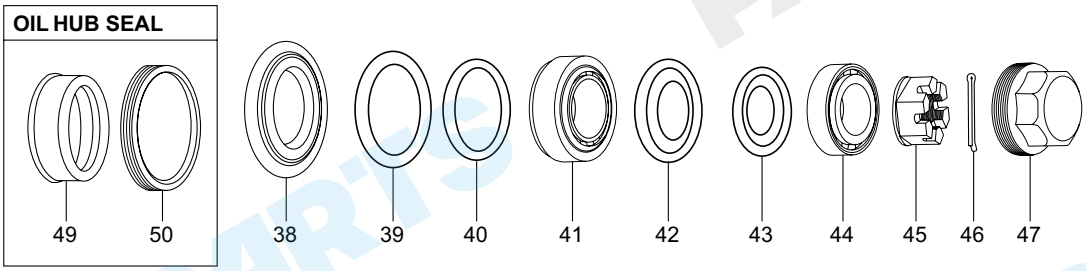
OLD GENERATION 20"
420 x 180mm BRAKES



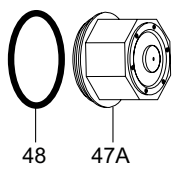




OIL HUB SEAL



OIL HUB CAP



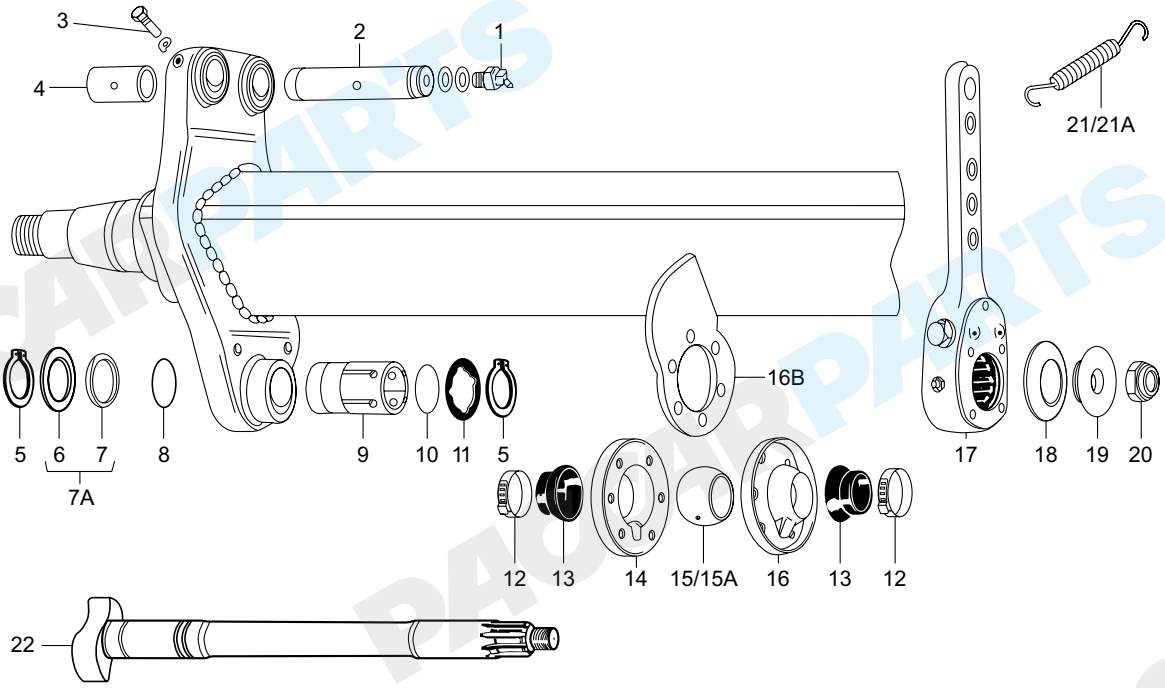
OLD GENERATION 20"
420 x 180mm BRAKES

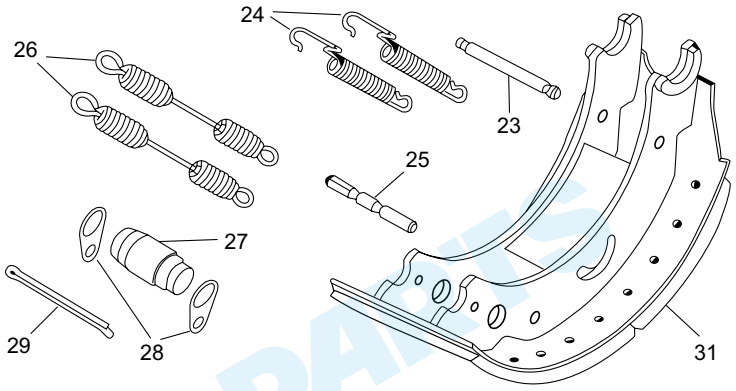
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	T02-3223	Grease Nipple	Also Used to Retain Dustcover	4
2	0308446220	Anchor Pin		4
3	T02-3224	Anchor Pin Locator Bolt		4
4	0311233080	Anchor Pin Bush		4
5	T02-3153	Circlip		4
6	NA	Washer - Camshaft 42 x 46 x 7 New	Use 'S' Cam Washer & Seal Kit	2
7		Ring		2
7A		Scam Washer & Seal Kit		2
8	0256792300	O-Ring (Green)		2
9	0311244340	Bush		2
10	0256773742	O-Ring (Black)		2
11	0312042020	Seal	Black Nylon	2
12	0335030020	Clamp		4
13	0312043190	Dust Boot	41mm ID	4
14	NA	Retainer Plate		2
15	NA	'S' Cam Bush	Nylon	2
15A	0311314040	'S' Cam Bush	Steel	2
16	NA	Retainer Plate		2
16B	0328555490	Axle Bracket		2
17	0517452610	Slack Adjuster	5 Hole, 10 Spline Aftermarket PN WT5022	2
18	NA	Dished Washer		2
19	0332011161	Stepped Washer		2
20	0526014120	Lock Nut		2
21	T02-7379	Slack Adjuster Return Spring	O.A.L. 148mm	4
21A	T02-7378	Slack Adjuster Return Spring	O.A.L. 230mm	4
22	0509705174	LH 'S' Cam		1
	0509705184	RH 'S' Cam		1
23	T02-3466	Retainer Pin		4
24	0339734110	Return Spring Anchor Pin End	2 per Wheel	8
25	0300108050	Retainer Pin		4
26	T02-3468	Return Spring Roller End	2 per Wheel	2
27	NA	'S' Cam Roller	Ø 32 / Ø 42 x 76mm	4
28	0323213020	Roller Retainer Plate		4
29	0262020401	Split Pin	90mm x 10mm	4
31	NA	Lined Brake Shoe	Use Conversion Kit to Brake 95 PN 0509146321	2
32	T04-6002	Wheel Nut		12
33	T04-6051	Wheel Clamp		12
34	T04-6001	Wheel Stud		12
35	NA	3 Spoke Hub		2
36	NA	Brake Drum - 6 Stud		2
37	RPS	Dust Covers	Refer to Dust Cover Section[1]	2
38	0537007130	Seal Carrier	To Suit Grease Hub	2
39	0331098140	Inner Grease Seal	165mm OD x 119mm ID	2

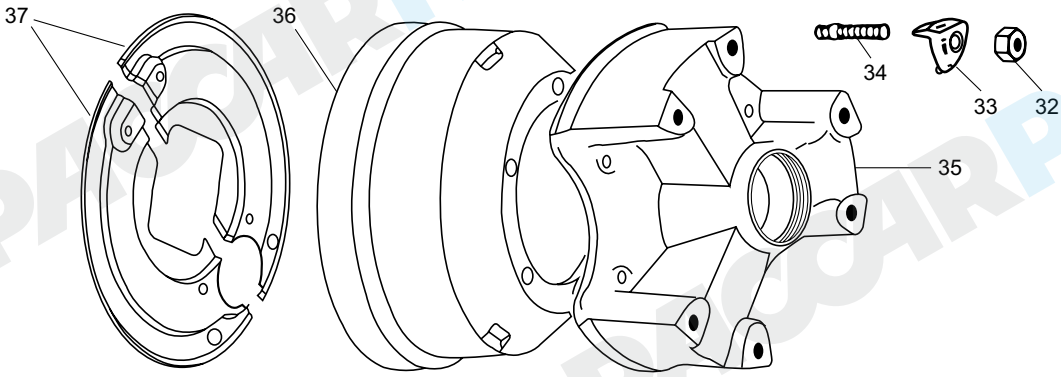
1: paccarparts.com.au/trailer

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

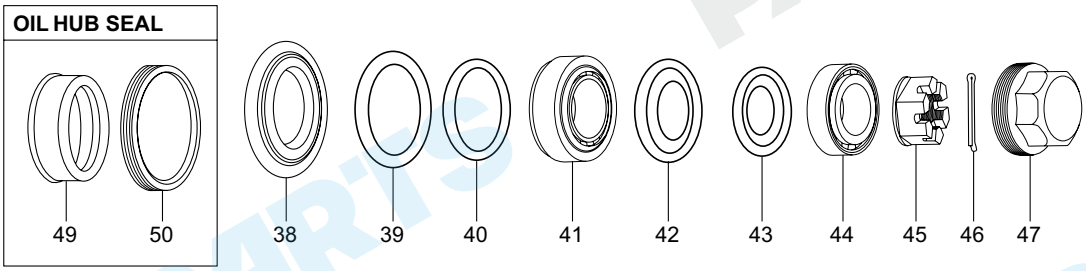
OLD GENERATION 20" CONTINUED
420 x 180mm BRAKES



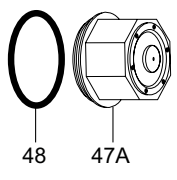




OIL HUB SEAL



OIL HUB CAP

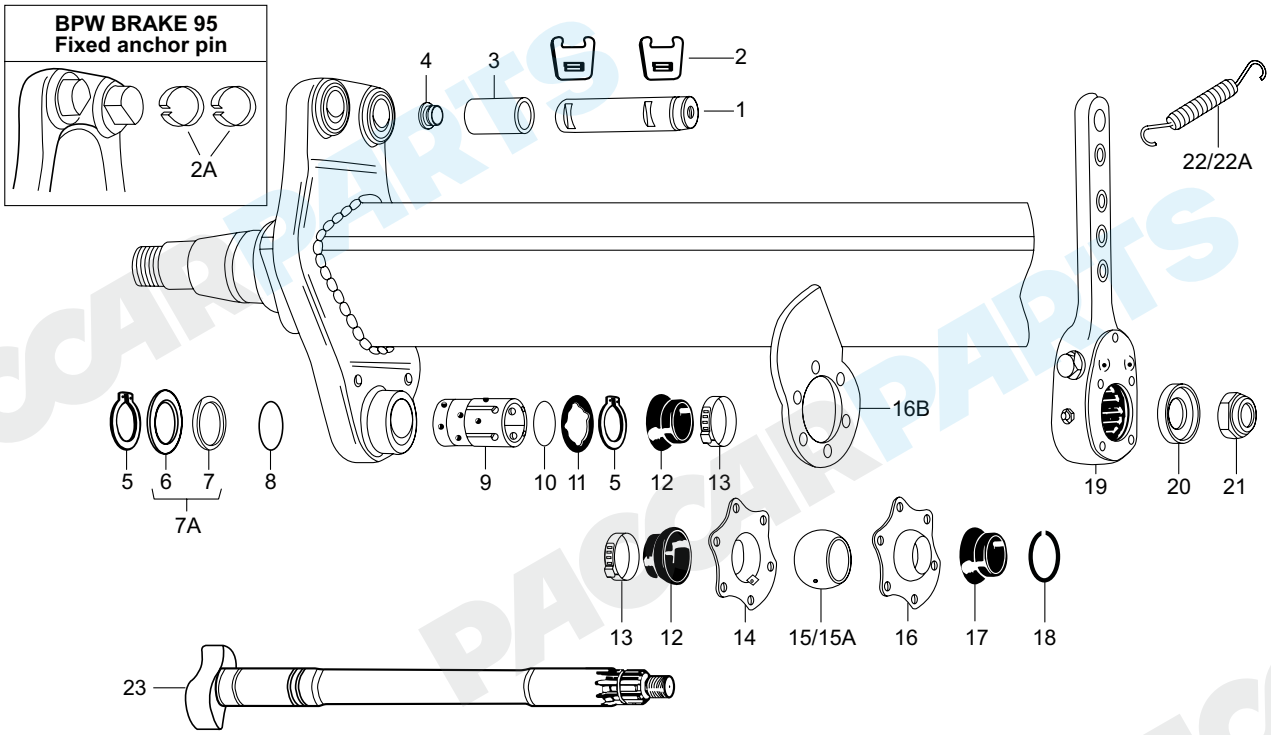


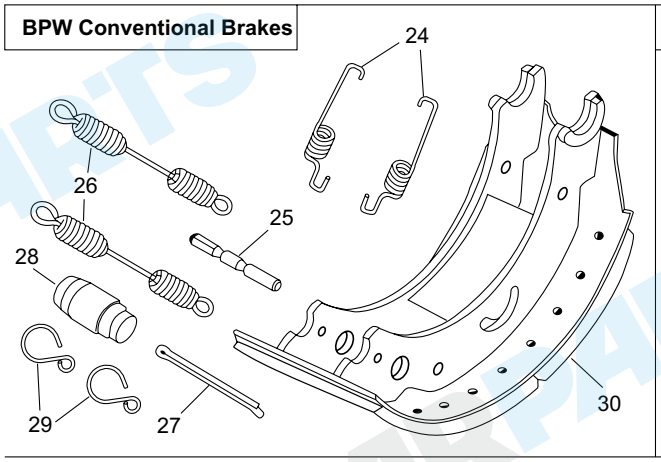
OLD GENERATION 20" CONTINUED
420 x 180mm BRAKES

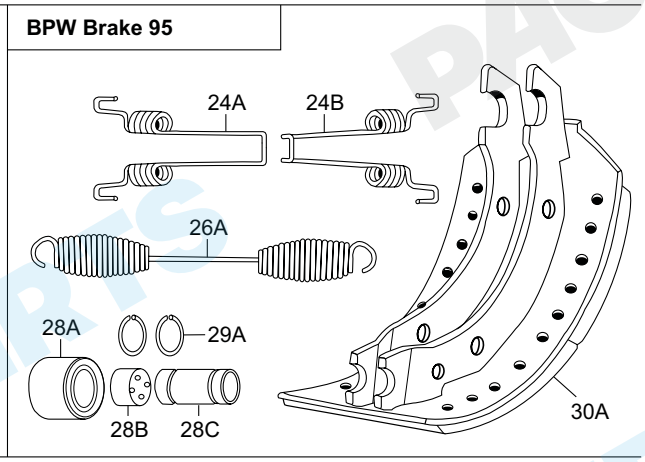
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
40	0331097150	Outer Grease Seal	155mm OD x 113mm ID	2
41	33217T1M	Inner Bearing Assembly		2
42	0301005170	Inner Dust Cover	120mm x 166mm	2
43	0301004080	Outer Dust Cover	115mm x 156mm	2
44	33213T1M	Outer Bearing Assembly	Can Use 0264102200	2
45	0326217080	Axle Nut		2
46	0262018401	Split Pin	63mm x 8mm	2
47	0321224020	Hub Cap	Grease	2
47A	NA	Hub Cap	Stemco Oil Cap	2
48	0256785300	Hub Cap O-Ring		2
49	NA	Seal Carrier (Stemco)		2
50	T04-4498	Oil Seal (Stemco)	Oil Conversion Kit	2
KIT PART NUMBER LISTING				
KIT	0509700K1T	'S' Cam Bush Kit		1
	0980108850	'S' Cam Washer & Clip Kit		2
	0509146321	Brake Shoe 95 Conversion Kit		4

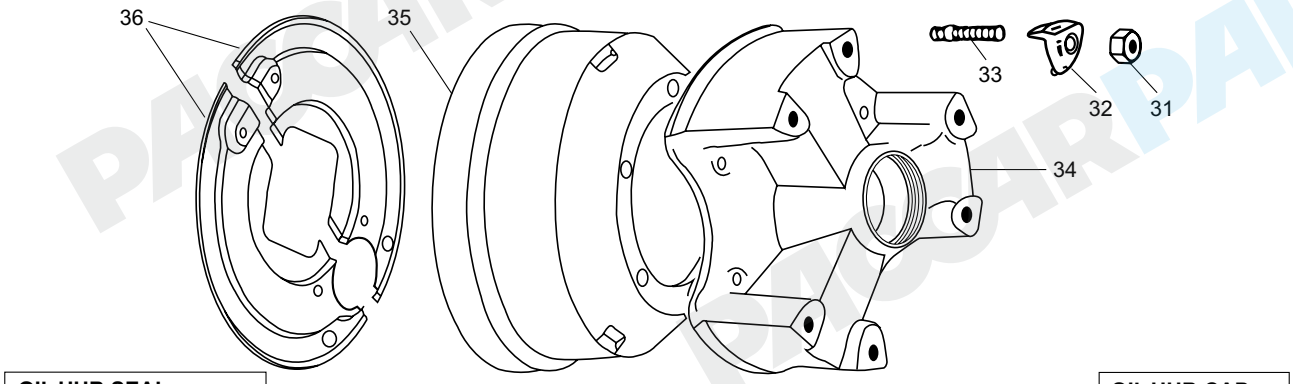
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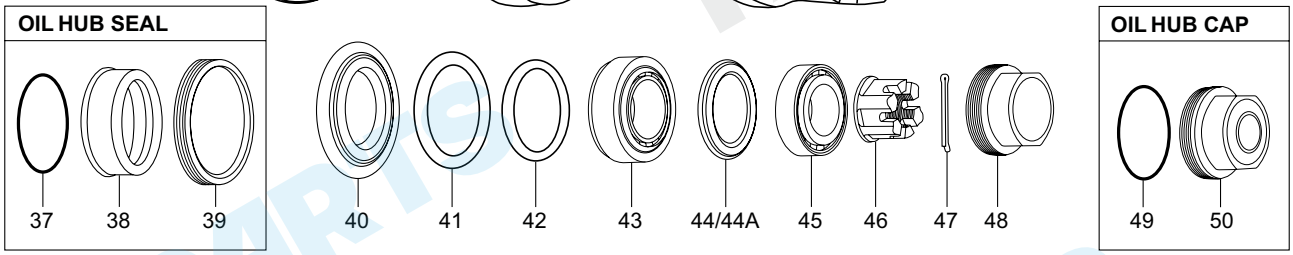
NEW GENERATION H91, H10, R10
420 x 180mm BRAKES









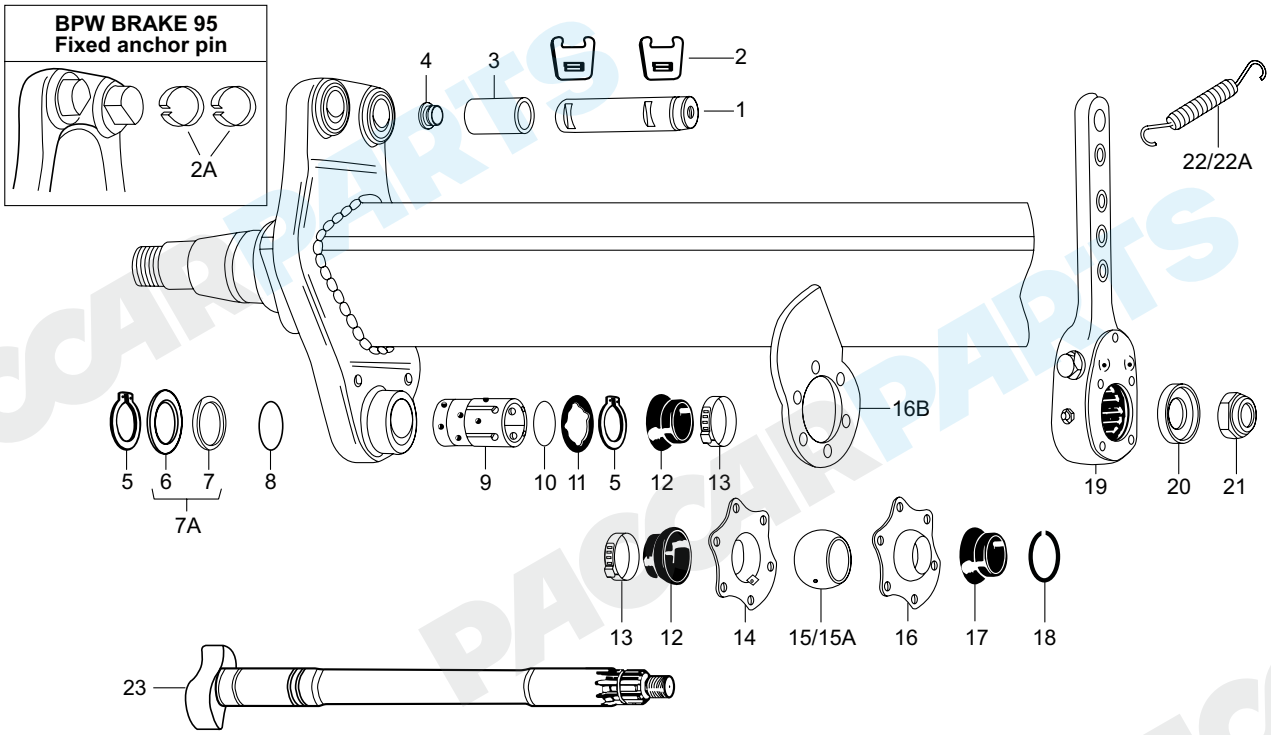


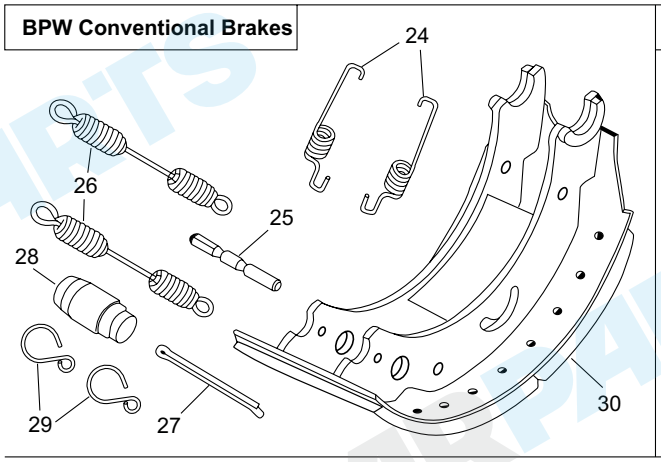
NEW GENERATION H91, H10, R10
420 x 180mm BRAKES

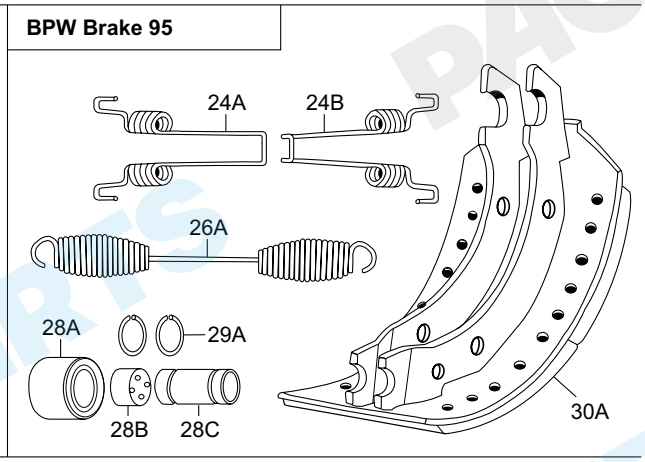
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0308446220	Pin Anchor		4
2	0316723020	Distance Plate		8
2A	0318802020	Ring - Anchor End C-Clip	Brake 95	8
3	0311233080	Bush - 36 x 50 x 60 Anchor Pin		4
4	NA	Anchor Pin Plug		4
5	0256760100	Circlip	To Suit 42mm Shaft	4
6	NA	Washer - Camshaft 42 x 46 x 7 New	Use 'S' Cam Washer & Seal Kit	2
7		Ring		2
7A		Scam Washer & Seal Kit		2
8	0256792300	O-Ring		2
9	0311244340	Bush - Cam Outer Bronze		2
10	0256773742	O-Ring 37 x 2.6		2
11	0312042020	Seal	Black Nylon	2
12	0312043190	Boot - 'S' Cam Dust Seal	41mm ID	4
13	0335030020	Clamp - 'S' Cam Boot		2
14	0322902190	Bearing Box	Suits Steel or Nylon Bush	2
15	NA	Bush - 'S' Cam Inner	Nylon	2
15A	0311314040	Bush	Steel	2
16	0322902180	Bearing Box	Suits Steel or Nylon Bush	2
16B	0328555490	Bracket - Camshaft HXZ9		2
17	0312043100	Seal-Dust Camshaft Small Blue	34mm ID	2
18	0256160590	Circlip - Camshaft	37mm ID	2
19	0517452610	Slack Adjuster	5 Hole, 10 Spline	2
20	0332011161	Disc		2
21	0526014120	Hexagon Nut		2
22	0539726030	Return Spring	O.A.L. 148mm	4
22A	0539726020	Return Spring	O.A.L. 230mm	4
23	0509705234	'S' Cam A=522.5mm L=643mm LH	To 1994 Except Airbag Suspension	1
	0509705244	'S' Cam A=522.5mm L=643mm RH		1
	0509705254	'S' Cam A=547.5mm L=666mm LH	From 1994 Includes Airbag Suspension	1
	0509705264	'S' Cam A=547.5mm L=666mm RH		1
24	0339744060	Return Spring Anchor Pin End	4 per Wheel	8
24A	0339733130	Spring-Brake Shoe Positioning	Brake 95	2
24B	0339733120	Spring-Brake Shoe Positioning	Brake 95	2
25	0300108050	Pin - 12 x 100	Kit PN (0509126642)	4
26	0539746070	Spring Return 4218	2 per Wheel	4
26A	0539758040	Spring Return H/D 4218 B95	Brake 95	4
27	0262016603	Split Pin - 6.3 x 90	90mm x 6.3mm	4
28	0333134050	Roller 26 x 42 x 78	Standard	4
	T02-3435-1	Roller - 'S' Cam BPW New Gen	3mm O/S	4
	T02-3435-2	Roller - 'S' Cam BPW New Gen	6mm O/S	4
28A	0533144020	Camshaft Roller - C/With Bush	Brake 95 Includes item 28B	4
28B	0311200620	Bush - Cam Roller 95 Brake	Brake 95	4
28C	0308475240	Shaft - Roller 95 Brake	Brake 95	4
29	0335000130	Retainer - Roller (0333134050)		8
29A	0331070150	Ring - Roller Ret Brake 95	Brake 95	8

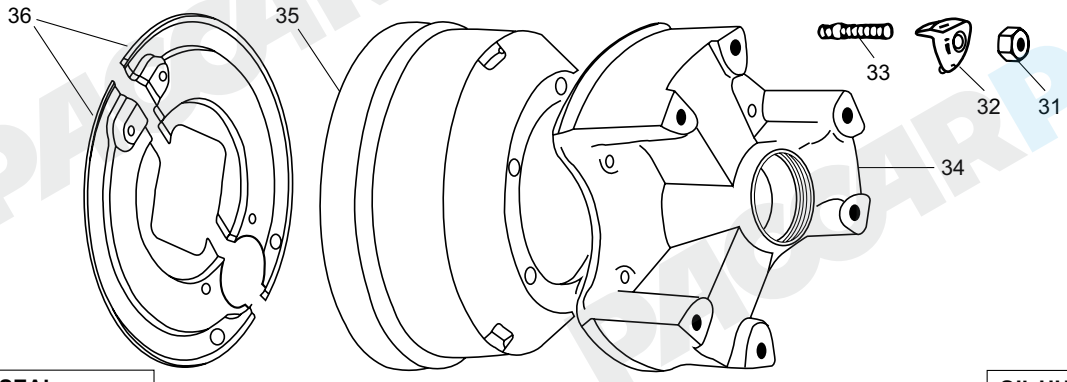
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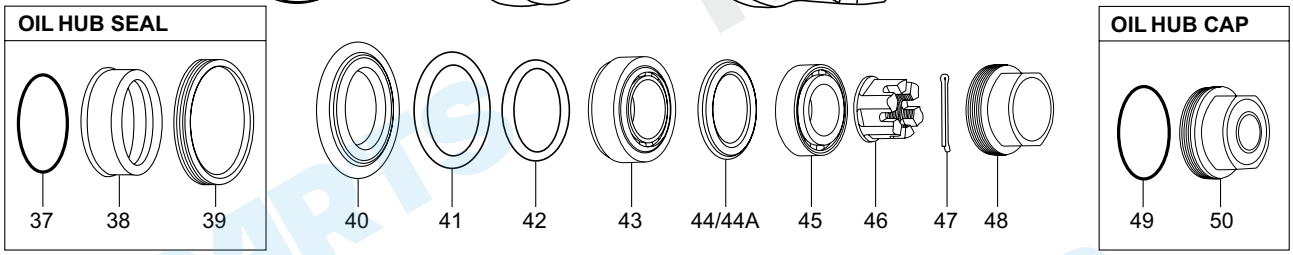
NEW GENERATION H91, H10, R10 CONTINUED
420 x 180mm BRAKES











NEW GENERATION H91, H10, R10 CONTINUED
420 x 180mm BRAKES

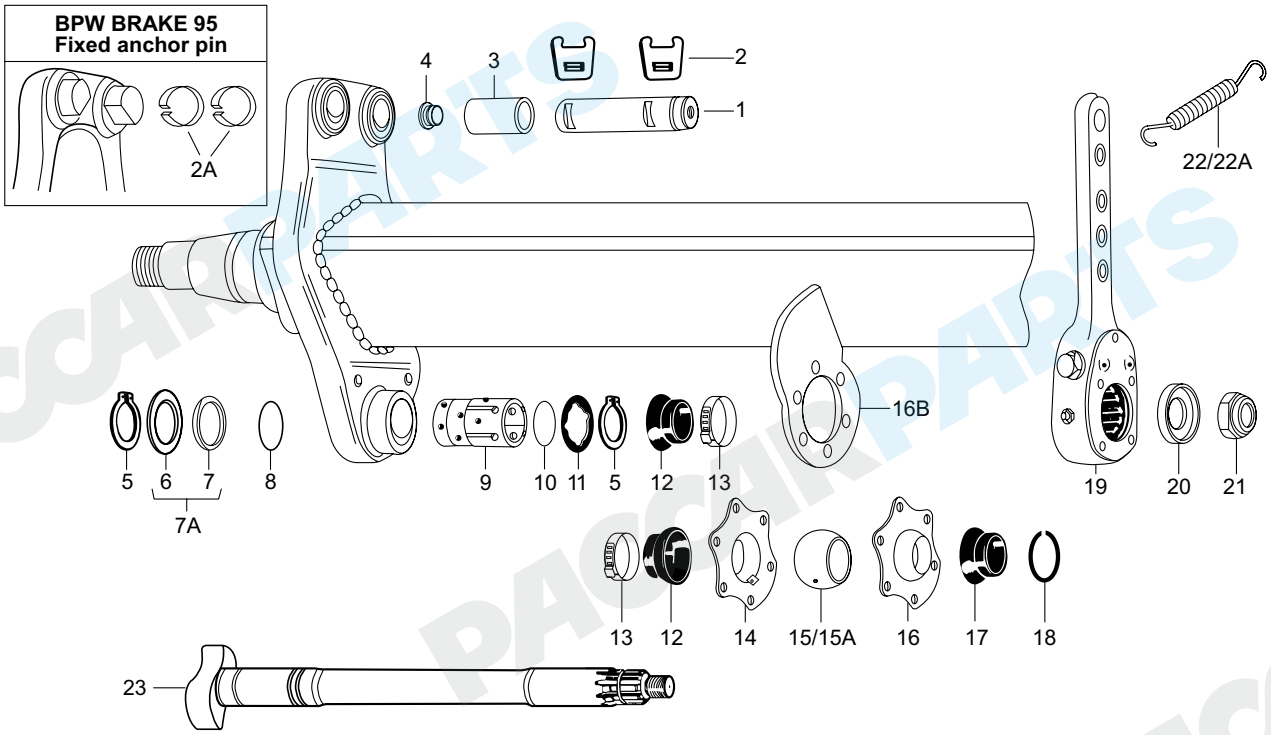
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	098064218BHNG	Lined Brake Shoe Kit	Conventional Brake - Services 1 Wheel (Inc h/w)	2
30A	098064218BH95	Lined Brake Shoe Kit	Brake 95 – Services 1 Wheel - Inc Hardware	2
31	T04-6002	Nut-Wheel ¾" GR8 - Equivalent WP148	Can use 0326003040	12
32	0337203020	Clamp Spider Wheel EH&H		12
33	T04-6001	Stud-Wheel 3-⅛" x ¾"	Can use 0334073071	12
34	0332876510	Hub 3 Spoke Spider	Supersedes to EcoPlus 3 Hub Use conversion kit PN 0980107092C0NVTS	2
35	0310967810	Brake Drum	6 Hole	2
36	RPS	Dust Covers	Refer to Dust Cover Section[1]	2
37	0256780000	O-Ring 100 x 3 S/Car 7470 7620T	To Suit Oil Seal Carrier	2
38	0337007470H	Seal Carrier- H91 Oil Face Hard		2
39	0256644657	Seal - Oil 145 x 167 x 13		2
40	0537007430	Seal Carrier		2
41	0331098210	Seal-Grease 129 x 165 Inner H9 & 10	165mm OD x 128mm ID	2
42	0331097300	Seal-Grease 120 x 157 Outer H9 & 10	157mm OD x 120mm ID	2
43	33118T1M	Bearing	Can use 0264102300	2
44	0331098240	Seal-Dust Nylon Oil	To Suit Oil Hub	2
44A	0301005220	Dustcover - Grease Shield	To Suit Grease Hub	2
45	33213T1M	Bearing	Can use 0264102200	2
46	0326217120	Nut-Axle M52 x 2 SW80 BPW Shape		2
47	0262018401	Split Pin	63mm x 8mm	2
48	0321224070	Hubcap - 125 x 2 Nr, R, H9 & 10	Grease Hub	2
49	0256785300	O-Ring - 120 x 3 - 0321209040	Oil Hub	2
50	NA	Hub Cap - Oil	Can use Grease Hub 9T-0321223090 or 10T-0321224070	2

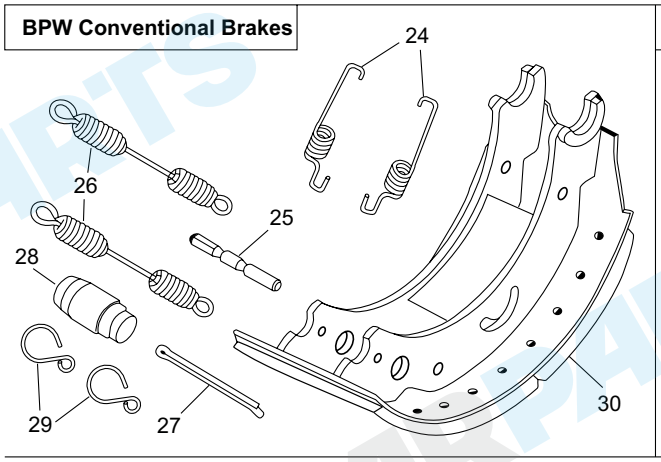
KIT PART NUMBER LISTING				
KIT	0509700K1T	'S' Cam Bush Kit	Services 1 Axle	1
	0980108850	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
	098064218BH95	Lined Brake Shoe Kit	Brake 95 - Services 1 Wheel - Inc Hardware	2
	098064218BHNG		Conventional Brake - Services 1 Wheel (Inc h/w)	2
	T02-3484	Brake Spring Kit	Brake 95 – Services 1 Axle can use PN 4218SPK1T	1

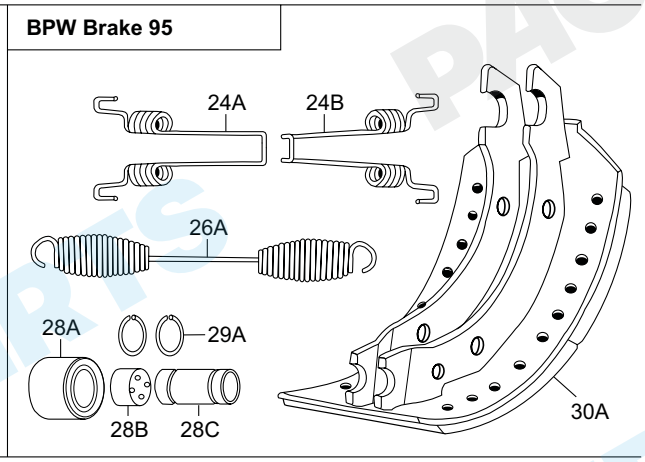
1: paccarparts.com.au/trailer

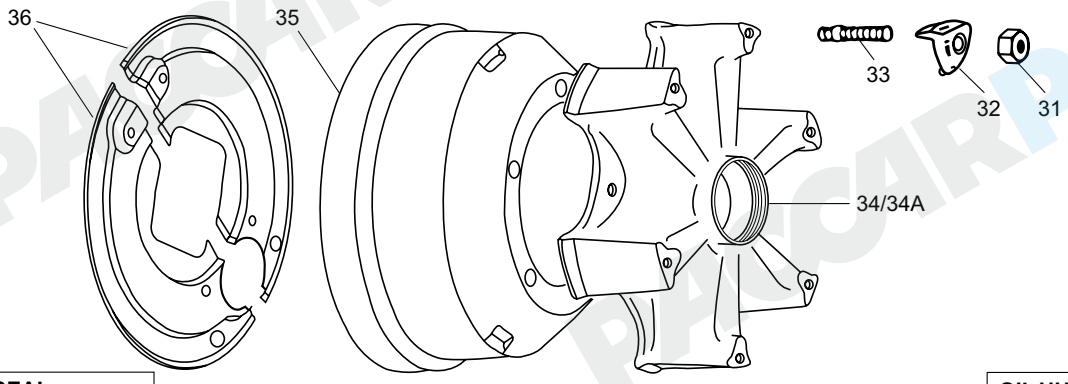
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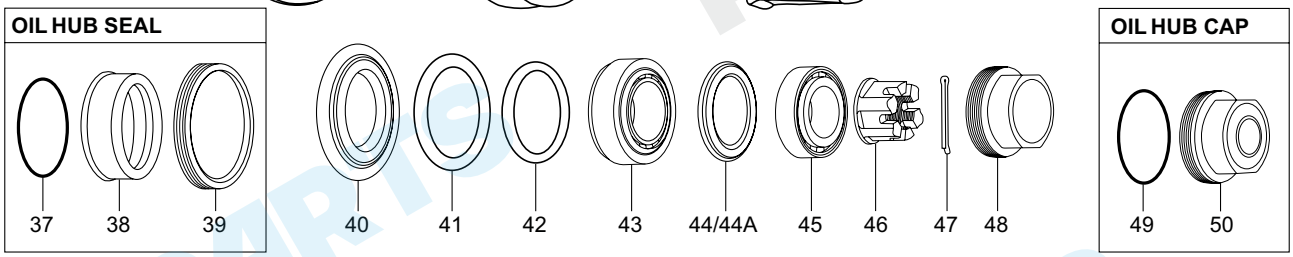
9000 LIGHTWEIGHT AXLE
420 x 180mm BRAKES









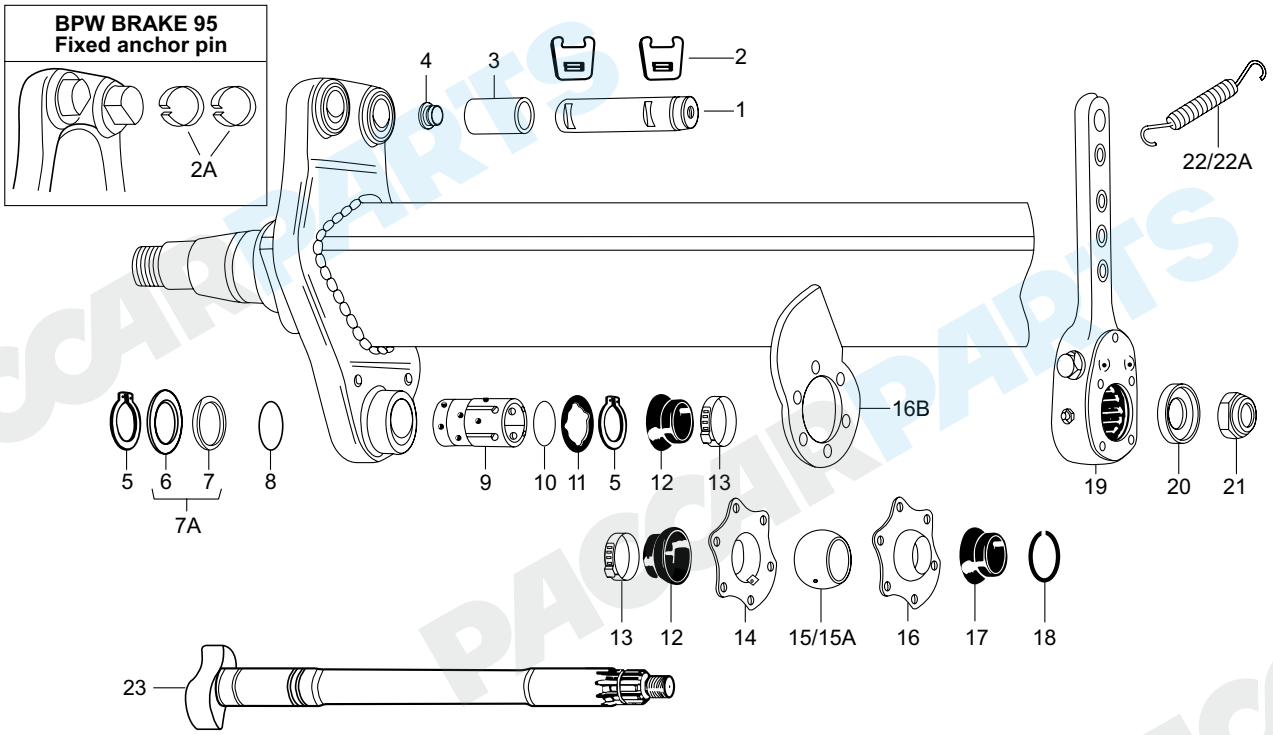


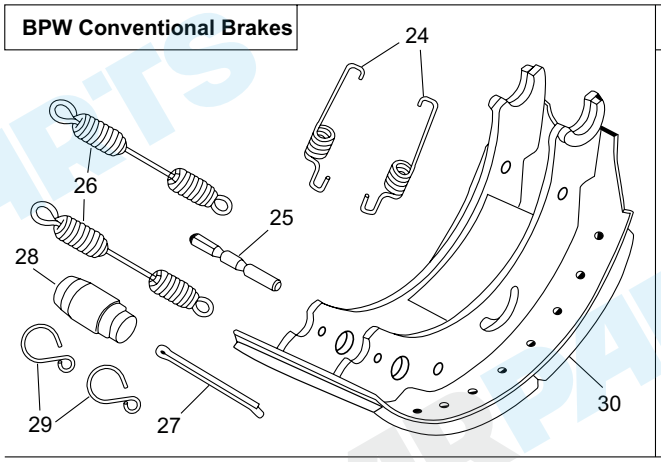
9000 LIGHTWEIGHT AXLE
420 x 180mm BRAKES

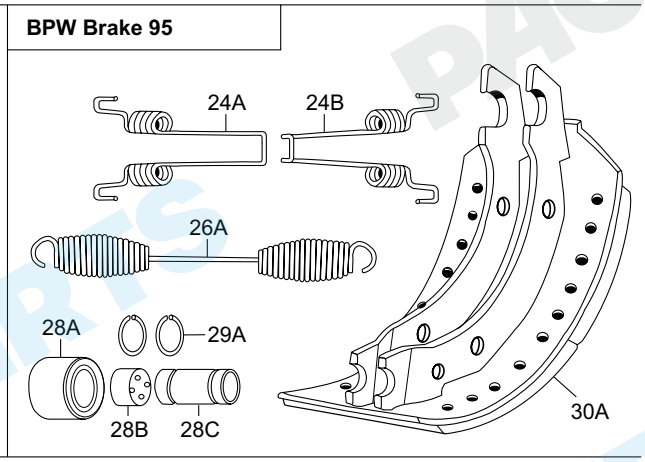
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0308446220	Anchor Pin		4
2	0316723020	Distance Plate		8
2A	0318802020	Ring - Anchor End C-Clip	Brake 95	8
3	0311233080	Anchor Pin Bush		4
4	NA	Anchor Pin Plug		4
5	0256760100	Circlip	To Suit 42mm Shaft	4
6	NA	Washer - Camshaft 42 x 46 x 7 New	Use 'S' Cam Washer & Seal Kit	2
7		Ring		2
7A		Scam Washer & Seal Kit		2
8	0256792300	O-Ring (Green)		2
9	0311244340	Bush		2
10	0256773742	O-Ring (Black)		2
11	0312042020	Seal	Black Nylon	2
12	0312043190	Dust Boot	41mm ID	4
13	0335030020	Clamp		2
14	0322902190	Retainer Plate	Suits Steel or Nylon Bush	2
15	NA	'S' Cam Bush	Nylon	2
15A	0311314040	'S' Cam Bush	Steel	2
16	0322902180	Retainer Plate	Suits Steel or Nylon Bush	2
16B	0328555490	Axle Bracket		2
17	0311303060	Dust Boot	34mm ID	2
18	0256160590	Snap Ring	37mm ID	2
19	0517452610	Slack Adjuster	5 Hole, 10 Spline	2
20	0332011161	Disc Washer		2
21	0526014120	Lock Nut		2
22	0539726030	Slack Adjuster Return Spring	Overall Length 148mm	4
22A	0539726020	Slack Adjuster Return Spring	Overall Length 230mm	4
23	0509705234	LH 'S' Cam	To 1994 Except Airbag Suspension	1
	0509705244	RH 'S' Cam		1
	0509705254	LH 'S' Cam	From 1994 Inc Airbag Suspension	1
	0509705264	RH 'S' Cam		1
24	0339744060	Return Spring Anchor Pin End	4 per Wheel	8
24A	0339733130	Brake Position Spring	Brake 95	2
24B	0339733120	Brake Position Spring	Brake 95	2
25	0300108050	Retainer Pin		4
26	0539746070	Return Spring Roller End	2 per Wheel	4
26A	0539758040	Return Spring Roller End	Brake 95	4
27	0262016603	Split Pin	90mm x 6.3mm	4
28	0333134050	'S' Cam Roller	Standard Ø 26 / 42 x 78	4
	NA		3mm O/S	2
			6mm O/S	2
28A	0533144020	'S' Cam Roller	Brake 95 - Includes item 28B	4
28B	0311200620	'S' Cam Roller Bush	Brake 95	4
28C	0308475240	'S' Cam Roller Pin	Brake 95	4
29	0335000130	Roller Retainer Clip		8
29A	0331070150	Retainer Ring	Brake 95	8

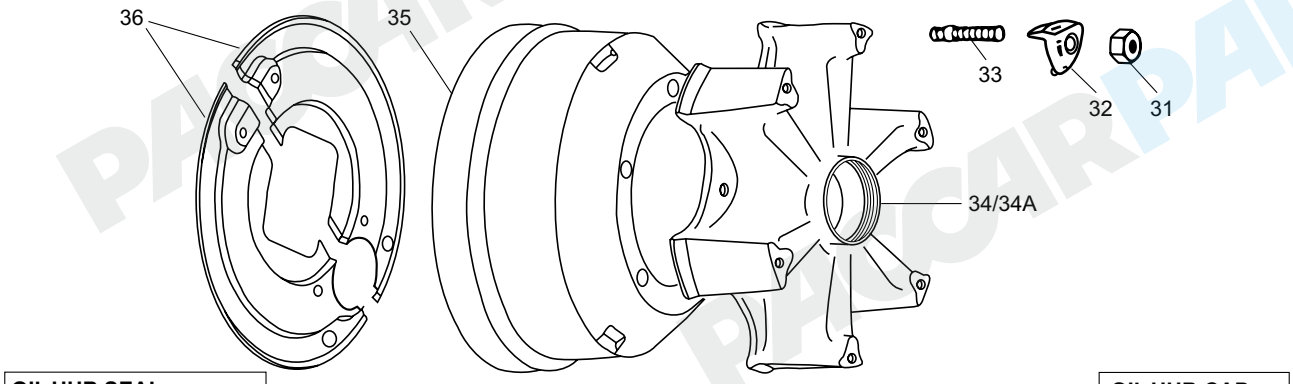
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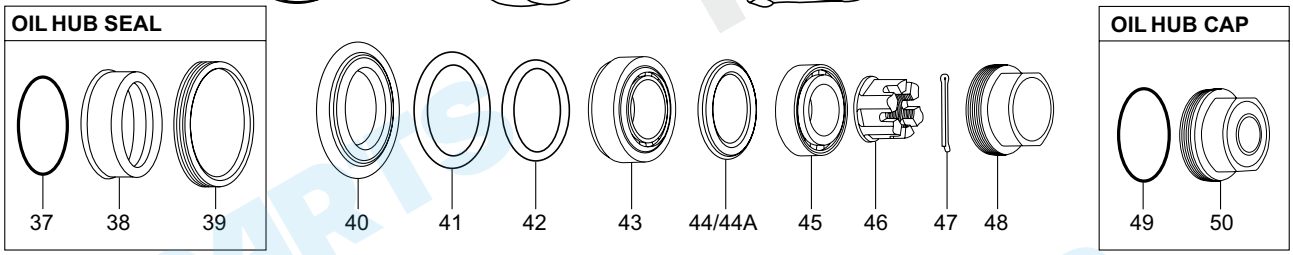
9000 LIGHTWEIGHT AXLE CONTINUED
420 x 180mm BRAKES











9000 LIGHTWEIGHT AXLE CONTINUED
420 x 180mm BRAKES

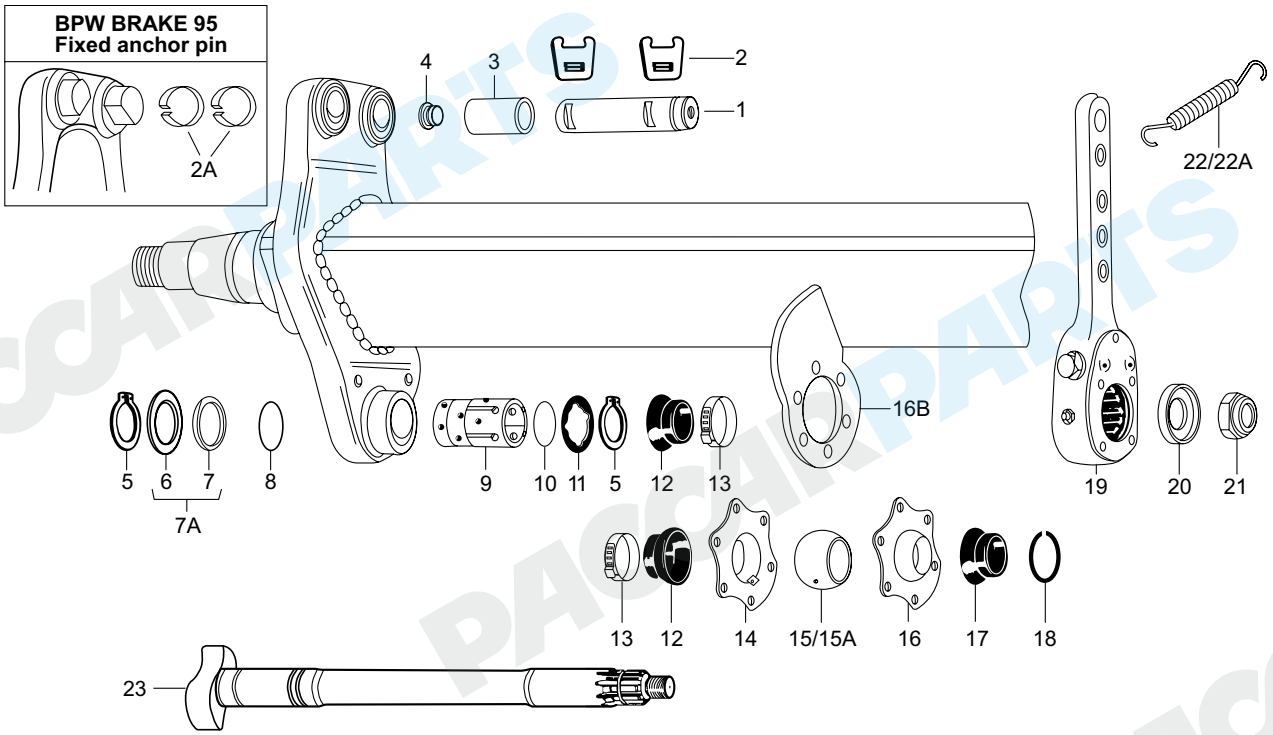
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	NSS	Lined Brake Shoe - 4218 Eco Drum	Use lined brake shoe kit PN 098064218BHNG	2
30A	NSS	Lined Brake Shoe - Bare 4218 95B	Use lined brake shoe kit PN 098064218BH95	2
31	T04-6002	Wheel Nut	Can use 0326003040	12
32	0337203020	Wheel Clamp		12
33	T04-6001	Wheel Stud	Can use 0334073071	12
34	NA	6 Spoke Hub	Oil Hub	2
34A	NA	6 Spoke Hub	Grease Hub	2
35	0310967170	Brake Drum	6 Hole, for Alternative Drums Refer Drum Section[1]	2
36	RPS	Dust Covers	Refer to Dust Cover Section[1]	2
37	0256779040	O-Ring	To Suit Oil Seal Carrier	2
38	0337051070	Oil Seal Carrier		2
39	0256642657	Oil Seal		2
40	0537006480	Grease Seal Carrier		2
41	0331097310	Inner Grease Seal	141mm OD x 110mm ID	2
42	0331097320	Outer Grease Seal	136mm OD x 104mm ID	2
43	33116T1M	Inner Bearing Assembly	Can use 0264102400	2
44	0312047050	Dust Seal	To Suit Oil Hub	2
44A	0301004150	Grease Shield	To Suit Grease Hub	2
45	32310T1M	Outer Bearing Assembly	Can use 0264102500	2
46	0326216080	Axle Nut		2
47	0262018201	Split Pin	56mm x 8mm	2
48	0321223090	Hub Cap	Grease Hub	2
49	0256785400	O-Ring	Ø 108 x 3	2
50	NA	Hub Cap (Plastic)	Oil Hub - Filler Plug 0337900130	2

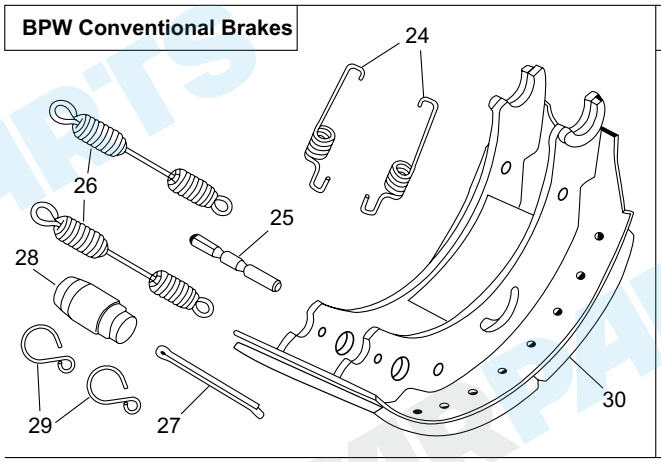
KIT PART NUMBER LISTING				
KIT	0509700K1T	'S' Cam Bush Kit	Services 1 Axle	1
	0980108850	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
	098064218BH95	Lined Brake Shoe Kit	Brake 95 – Services 1 Wheel (Inc h/w)	2
	098064218BHNG	Lined Brake Shoe Kit	Conventional Brake - Services 1 Wheel (Inc h/w)	2
	T02-3484	Brake Spring Kit	Brake 95 – Services 1 Axle Can use 4218SPK1T	1

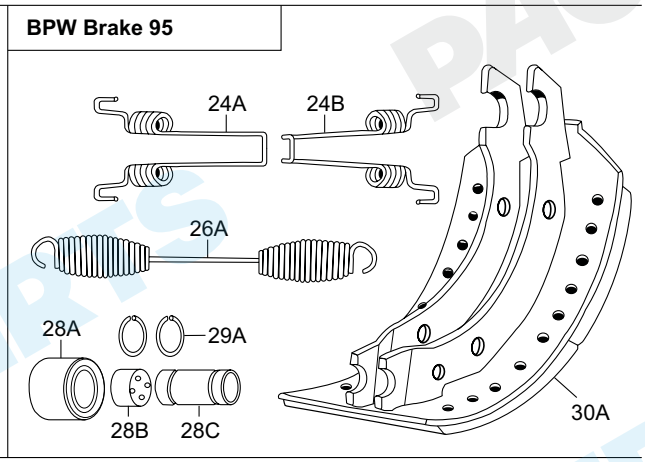
1: paccarparts.com.au/trailer

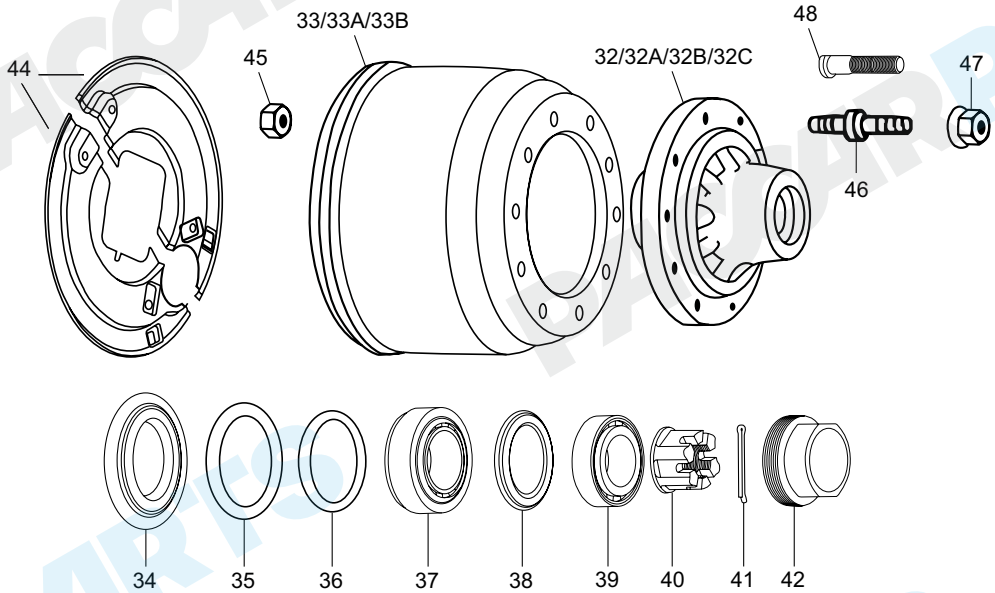
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KH/KR AXLE (19.5")
360 x 200mm BRAKES





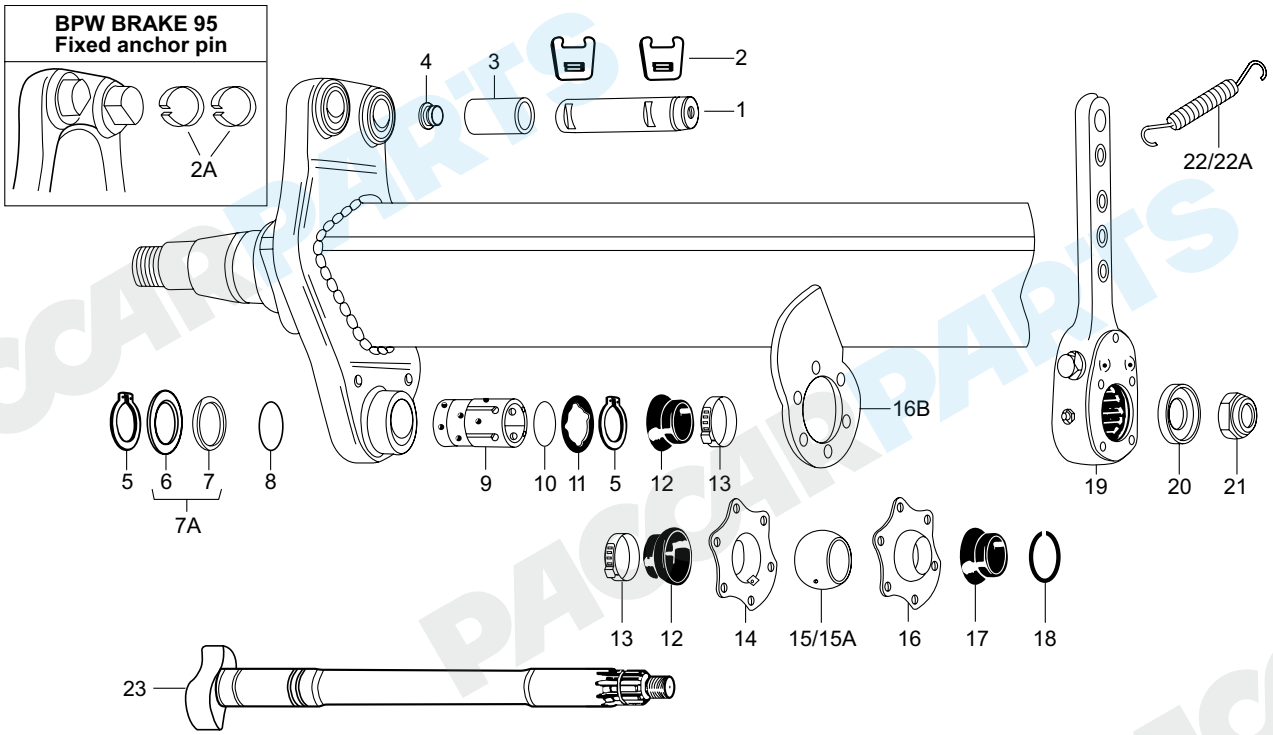


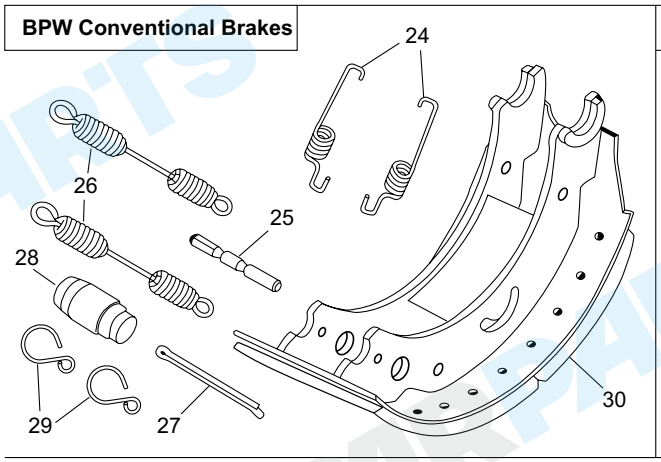


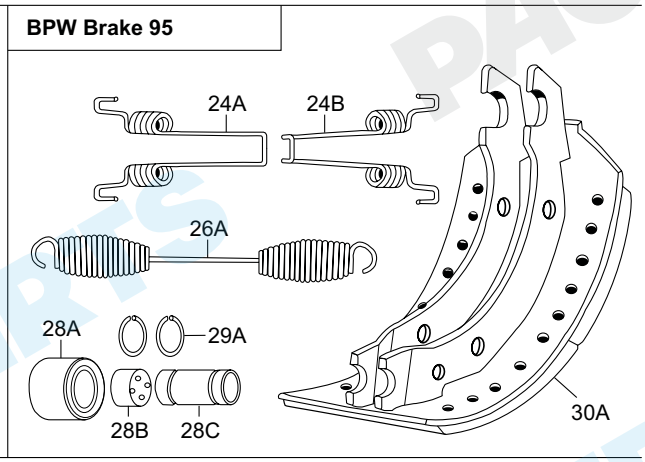
KH/KR AXLE (19.5")
360 x 200mm BRAKES

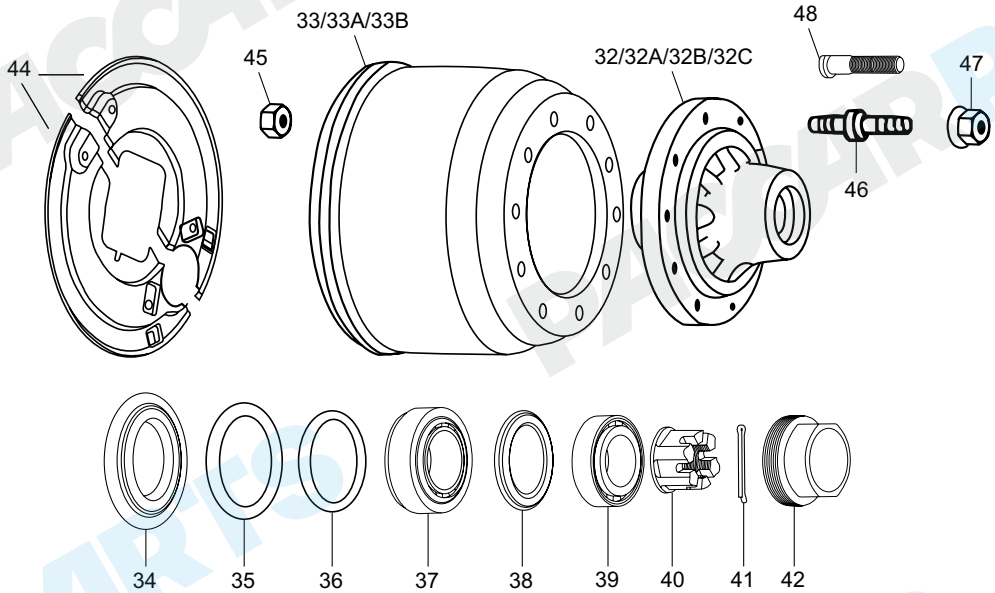
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0308446220	Pin Anchor		4
2	0316723020	Distance Plate		8
2A	0318802020	Ring - Anchor End C-Clip	Brake 95	8
3	0311233080	Bush - 36 x 50 x 60 Anchor Pin		4
4	NA	Plug		4
5	0256760100	Circlip		4
6	NA	Washer - Camshaft 42 x 46 x 7 New	Use 'S' Cam Washer & Seal Kit	2
7		Ring		2
7A		Scam Washer & Seal Kit		2
8	0256792300	O'Ring		2
9	0311244340	Bush - Cam Outer Bronze		2
10	0256773742	O-Ring 37 x 2.6		2
11	0312042020	Seal		2
12	0312043190	Boot-S Cam Dust Seal		4
13	0335030020	Clamp-S Cam Boot		2
14	0322902190	Bearing Box	Suits Steel or Nylon Bush	2
15	NA	'S' Cam Bush	Nylon	2
15A	0311314040	'S' Cam Bush	Steel	2
16	0322902180	Bearing Box	Suits Steel or Nylon Bush	2
17	0312043100	Seal - Dust Camshaft Small Blue		2
18	0256160590	Circlip - Camshaft		2
19	0517452610	Slack Adjuster		2
20	0332011161	Disc		2
21	0526014120	Hexagon Nut		2
22	0539726030	Return Spring		4
22A	0539726020	Spring-Return Long		4
23	0509705254	'S' Cam A=547.5mm L=666mm LH	From 1994 Inc Airbag Suspension	1
	0509705264	'S' Cam A=547.5mm L=666mm RH		1
24	0339744060	Return Spring Anchor Pin End	4 per Wheel	8
24A	0339733130	Spring-Brake Shoe Positioning		2
24B	0339733120	Spring-Brake Shoe Positioning		2
26	0539745140	Spring-Return Brake Shoe KH		4
26A	0539746130	Spring-Return 3620 BPW95		2
27	0262016603	Split Pin - 6.3 x 90		4
28	0333134050	Roller 26 x 42 x 78		4
	NA	Roller - 'S' Cam BPW New Gen		4
28A	0533144020	Camshaft Roller-C/With Bush		4
28B	0311200620	Bush - Cam Roller 95 Brake		4
28C	0308475240	Shaft - Roller 95 Brake		4
29	0335000130	Retainer - Roller		8
29A	0331070150	Ring - Roller Ret Brake 95		8
30	NA	Conventional Brake Shoe Kit	Use Brake 95 Lined Shoe Kit	2
30A	0509146320BH95	Lined Brake Shoe Kit	Brake 95 – Services 1 Wheel (Inc h/w)	2

KH/KR AXLE (19.5") CONTINUED
360 x 200mm BRAKES









KH/KR AXLE (19.5") CONTINUED
360 x 200mm BRAKES

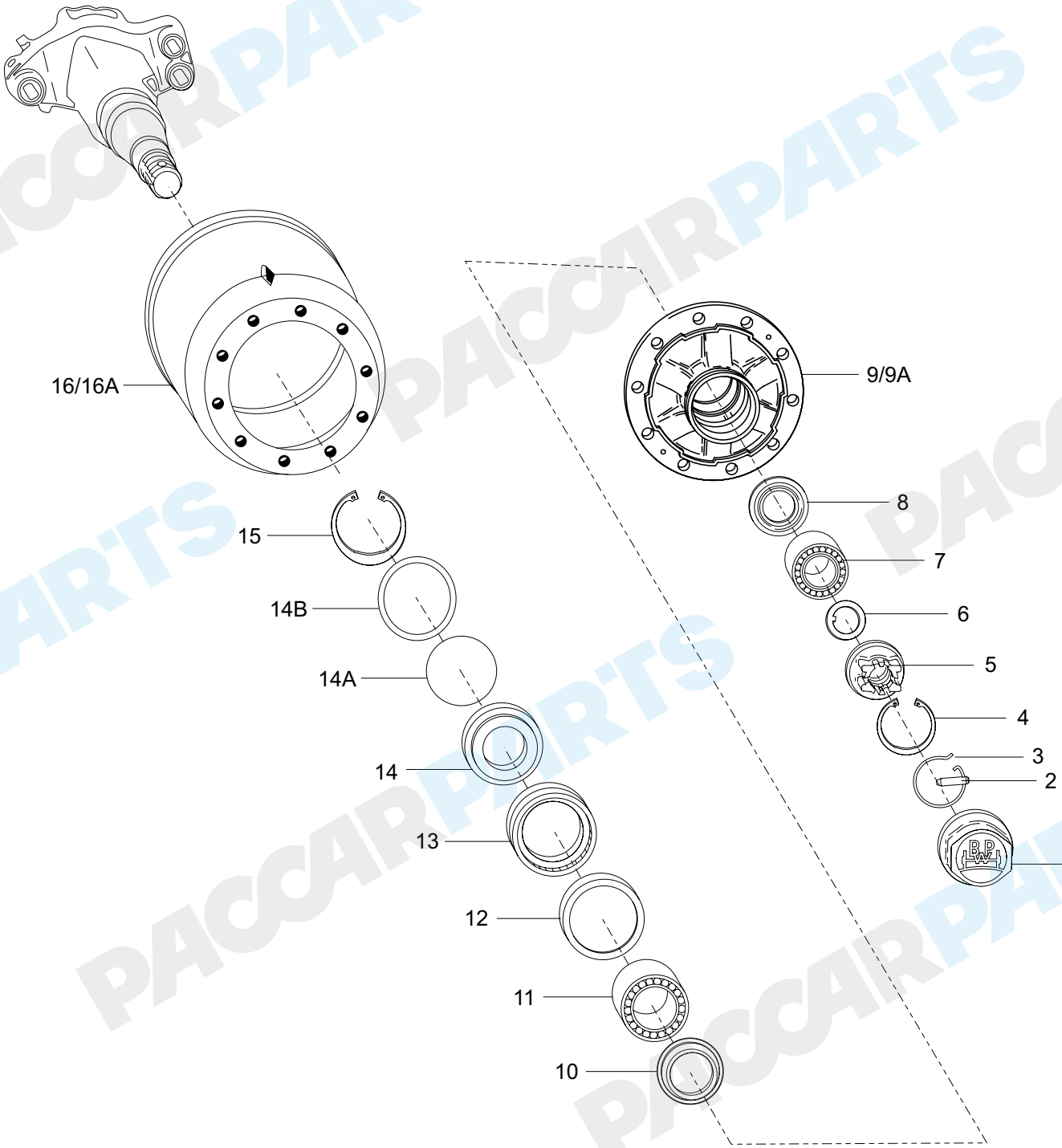
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
32	0300061843	Hub 8 Stud x 275 PCD	Early Stud Style	2
32A	NA	Hub 10 Stud x 225 PCD	Early Stud Style	2
32B	0327228560	Hub 8 Stud x 275 PCD	Late Stud Style - Aluminium Use with Drum PN 0310990220 + Studs PN 0329623240 or 0329623170 based on D/Al or D/Steel Wheel End	2
32C	0327228700	Hub 8 Stud x 275 PCD	Late Stud Style - Steel	2
33	0310990220	Brake Drum 3620 KH Eco		2
33A	NA	B/Drum - 3620 10 225 KH Eco		2
33B	0310990030	B/Drum - 3620 8 275 H90 Eco Max		2
34	0537006480	S/Carrier - H9000 Series - Grease		2
35	0331097310	Seal - Grease 9000 Series 110 x 141		2
36	0331097320	Seal - Grease H90/GS11 Series 136 / 105		2
37	33116T1M	Bearing	Can use 026402400	2
38	0301004150	Dust Cover (Oil Catcher)		2
39	32310T1M	Bearing	Can use 0264102500	2
40	0326216080	Nut - Axle M42 x 2 New Design LW		2
41	0262018201	Split Pin 8 x 56		2
42	0321223090	Hubcap - 115 x 2 H90 NR9		2
44	RPS	Dust Cover	Refer to Dust Cover Section[1]	2
45	0326004060	Nut - Wheel Back Nut M22 x 2		20
46	0329623170	Stud - Wheel		20
	0329623240	Stud - Wheel M22 x 1.5 Dual Alloy		20
47	0526054100	Nut - Wheel M22 x 1.5 Alloy & Steel		20
48	0329633090	Stud - Wheel Press Alu Hub D/Al		20

KIT PART NUMBER LISTING				
KIT	0509146320BH95	Lined Brake Shoe Kit	Brake 95 – Services 1 Wheel (Inc h/w)	2
	0509700K1T	'S' Cam Bush Kit	Services 1 Axle	1
	0980108850	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2

1: paccarparts.com.au/trailer

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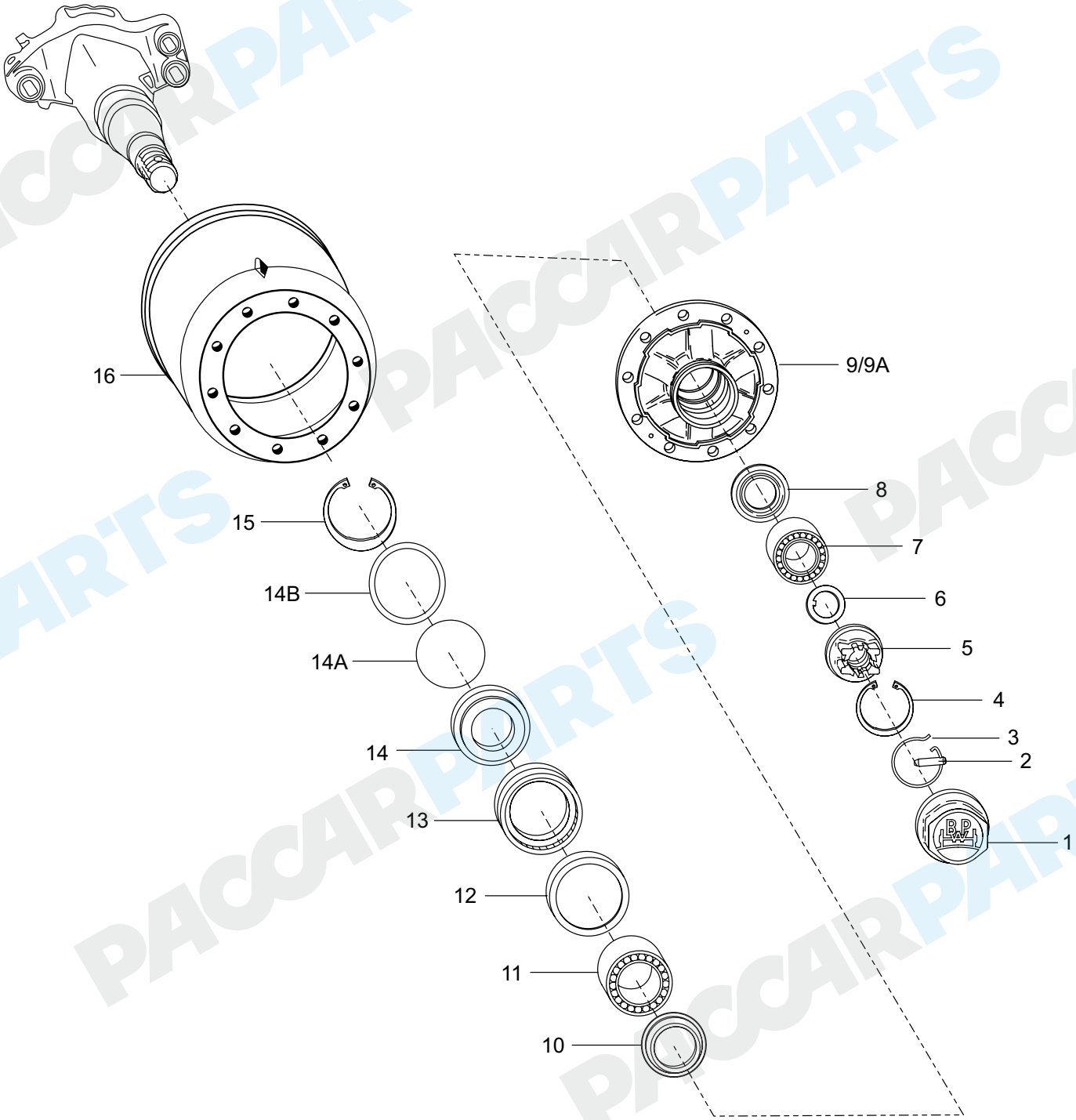
ECO HUB KH/KR AXLE (19.5")
360 x 200mm BRAKES



ECO HUB KH/KR AXLE (19.5")
360 x 200mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0321224250	Hub Cap - Grease L/Wt Eco	Internal Thread	2
2	0308471170	Pin-Lock Axle Nut Ecohub8X45mm		2
3	0318803060	Ring - Lock Axle Nut Eco L/Wt		2
4	0256061290	Circlip - Outer Eco H9000		2
5	0326646020	Nut - Axle Eco H9000		2
6	0332073130	Washer - Std Hub Eco Beam H9000		2
7	32310T1M	Bearing	Can use 0264102500	2
8	0337025160	Shield - Grease Eco H9000		2
9	0327228560	Hub - 8 / 275 D/Alloy Eco Grease	Late Stud Style - Aluminium Use with Drum PN 0310990220 + Studs PN 0329623240 or 0329623170 based on D/Al or D/Steel Wheel End	2
9A	0327227410	Hub - 10 / 225 D/Alu Eco NR/KH	10 Stud	2
10	0301093330	Dust Cover - Bearing Shield H9000		2
11	33116T1M	Bearing	Can use 0264102400	2
12	0256836200	Seal - Keeper Ring Eco H9000		2
13	0256645700	Seal - Hub Eco H9000		2
14	0337007760	Seal - Carrier H90 Eco HD		2
14A	0256779040	O-Ring - 90 x 30		2
14B	0256819800	Seal - Dust Nylon H9000 Eco		2
15	0256064090	Circlip - Inner Hub H9000		2
16	0310990220	Brake Drum 3620 275 KH Eco	8 Stud	2
16A	NA	Brake Drum 3620 225 KH Eco	10 Stud	2

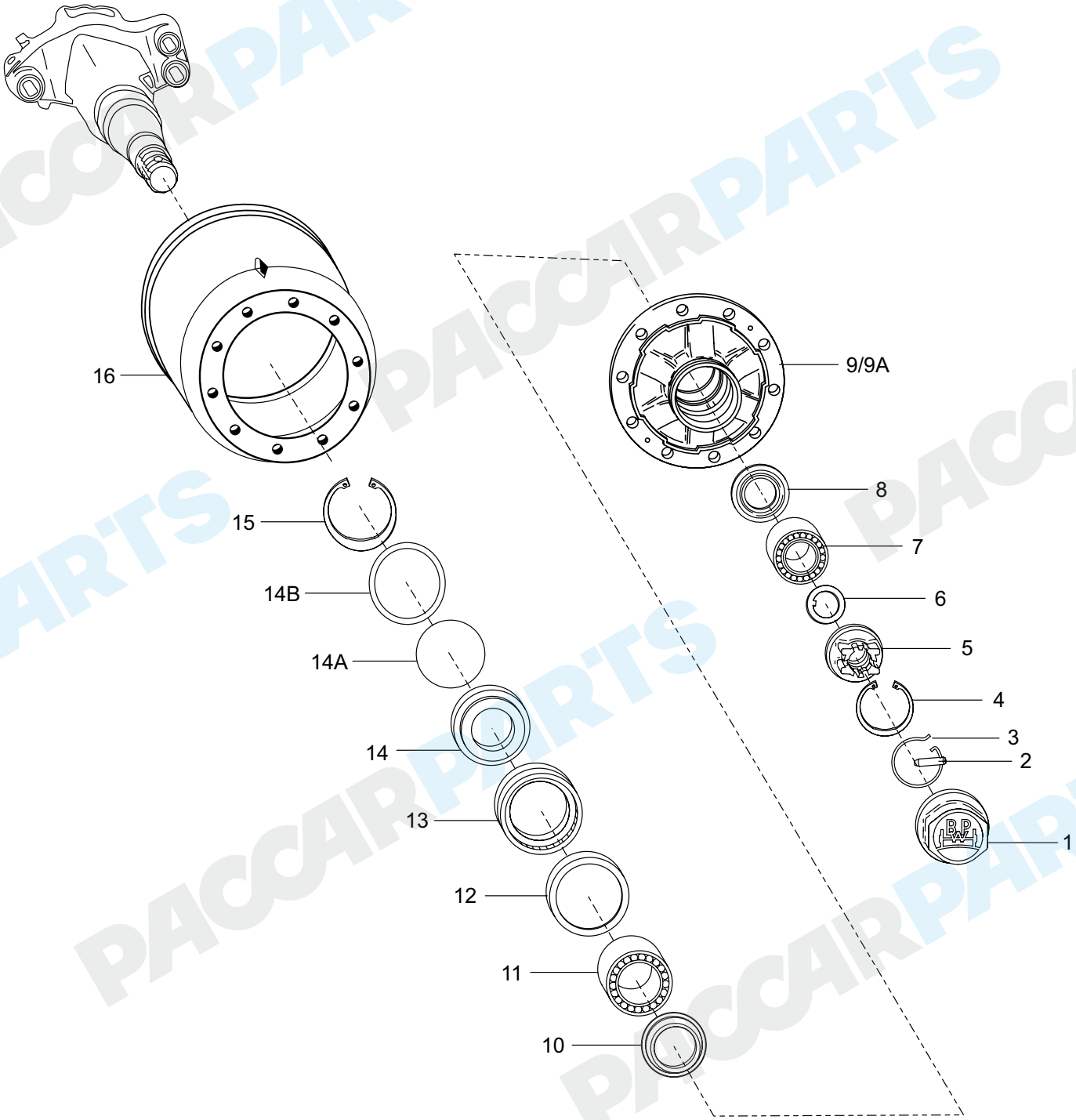
ECO HUB 9 TONNE 9010
HZA-ZM & HAS-SM AXLE 420 x 180mm BRAKES



ECO HUB 9 TONNE 9010
HZA-ZM & HAS-SM AXLE 420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0321224250	Hub Cap - Grease L/Wt Eco		2
2	0308471170	Pin - Lock Axle/Nut Eco Hub 8 x 45mm		2
3	0318803060	Ring - Lock Axle Nut Eco L/Wt		2
4	0256061290	Circlip - Outer Eco H9000		2
5	0326646020	Nut - Axle Eco H9000		2
6	0332073130	Washer-Std Hub Eco Beam H9000		2
7	32310T1M	Bearing	Can use 0264102500	2
8	0337025160	Shield - Grease Eco H9000		2
9	0327228630	Eco Hub 10 x 285 PCD		2
9A	0327232060	Hub - 10 x 335 HZ90 D/Alu Eco Grease	Uses Push-in stud	2
	0327232030	Hub - 10 x 335 HZ90 D/Steel Eco Grease		2
10	0301093330	Dust Cover - Bearing Shield H9000		2
11	33116T1M	Bearing	Can use 0264102400	2
12	0256836200	Seal - Keeper Ring Eco H9000		2
13	0256645700	Seal - Hub Eco H9000		2
14	0337007760	Seal - Carrier H90 Eco HD		2
14A	0256779040	O-Ring - 90 x 30		2
14B	0256819800	Seal - Dust Nylon H9000 Eco		2
15	0256064090	Circlip - Inner Hub H9000		2
16	0310967130	Brake Drum 4218 10 335 H9000	Super Single - 20"	2
	0310967870	Brake Drum 285 PCD - Light Wt	Dual Wheel - 20"	2
	0310967740	Brake Drum 335 PCD	Super Single -20"	2

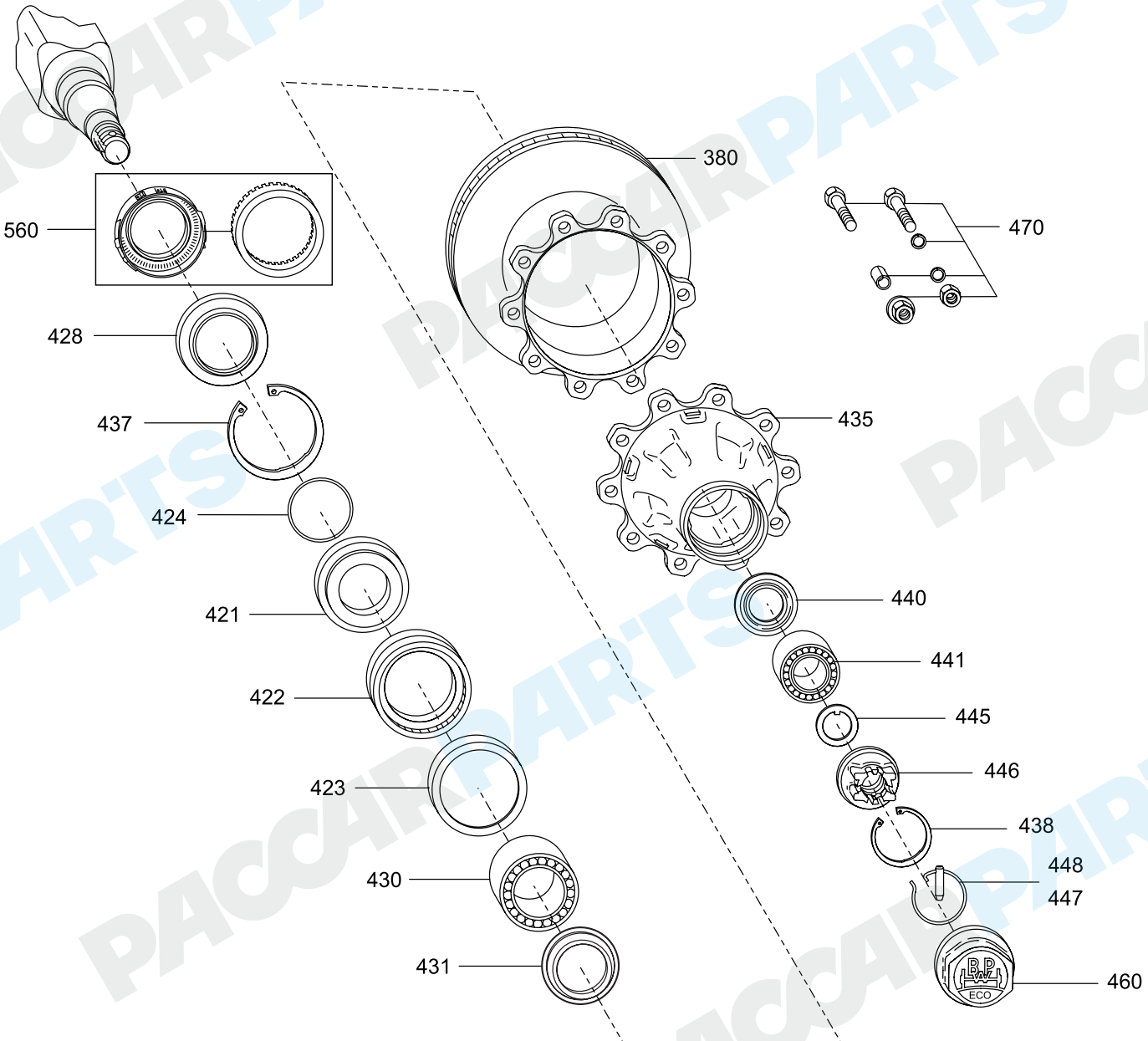
ECO HUB 10 TONNE 9110
HZA-ZM & HAS-SM AXLE



ECO HUB 10 TONNE 9110
HZA-ZM & HAS-SM AXLE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	0321225080	Hub Cap Grease Eco 10 / 12T M135 x 2		2
2	0308471170	Pin - Lock Axle/Nut Eco Hub 8 x 45mm		2
3	0318804080	Ring - Lock Axle Nut Eco		2
4	0256062290	Circlip - Outer Eco H91 / 10		2
5	0326647030	Nut - Axle Eco H91 / 10 / R10		2
6	0332064010	Washer - Std Hub Eco Beam H91		2
7	33213T1M	Bearing	Can use 0264102200	2
8	0337026240	Washer - Thrust Eco Plus		2
9	0327247450	EP3 Hub H10 10 x 285 Ecop D/Alloy Drum	When replacing a Eco Hub Use conversion kit PN 0980107092TS	2
9A	0327248880	Hub - 10 x 335 HZ91 D/Alu Eco Grease		2
10	0301093340	D/Cover - Brg Shield H91 / 10		2
11	33118T1M	Bearing	Can use 0264102300	2
12	0256836300	Seal - Keeper Ring Eco H91		2
13	0256645800	Seal - Eco H91 / 10 / R10		2
14	0337007770	S/Carrier - H91 / H10 Eco Hub		2
14A	0256780000	O-Ring 100 x 3		2
14B	0312048130	Seal - Dust H91 / H10 Eco Hub		2
	NA	Dust Seal		2
15	0256066090	Circlip - Inner 160 x 4 Eco		2
16	0310967870	Brake Drum 285 PCD Light Wt	Dual Wheel & Super Single	2
	0310967740	Brake Drum 335 PCD		2

ECO HUB DISC BRAKE AXLE
9 TONNE



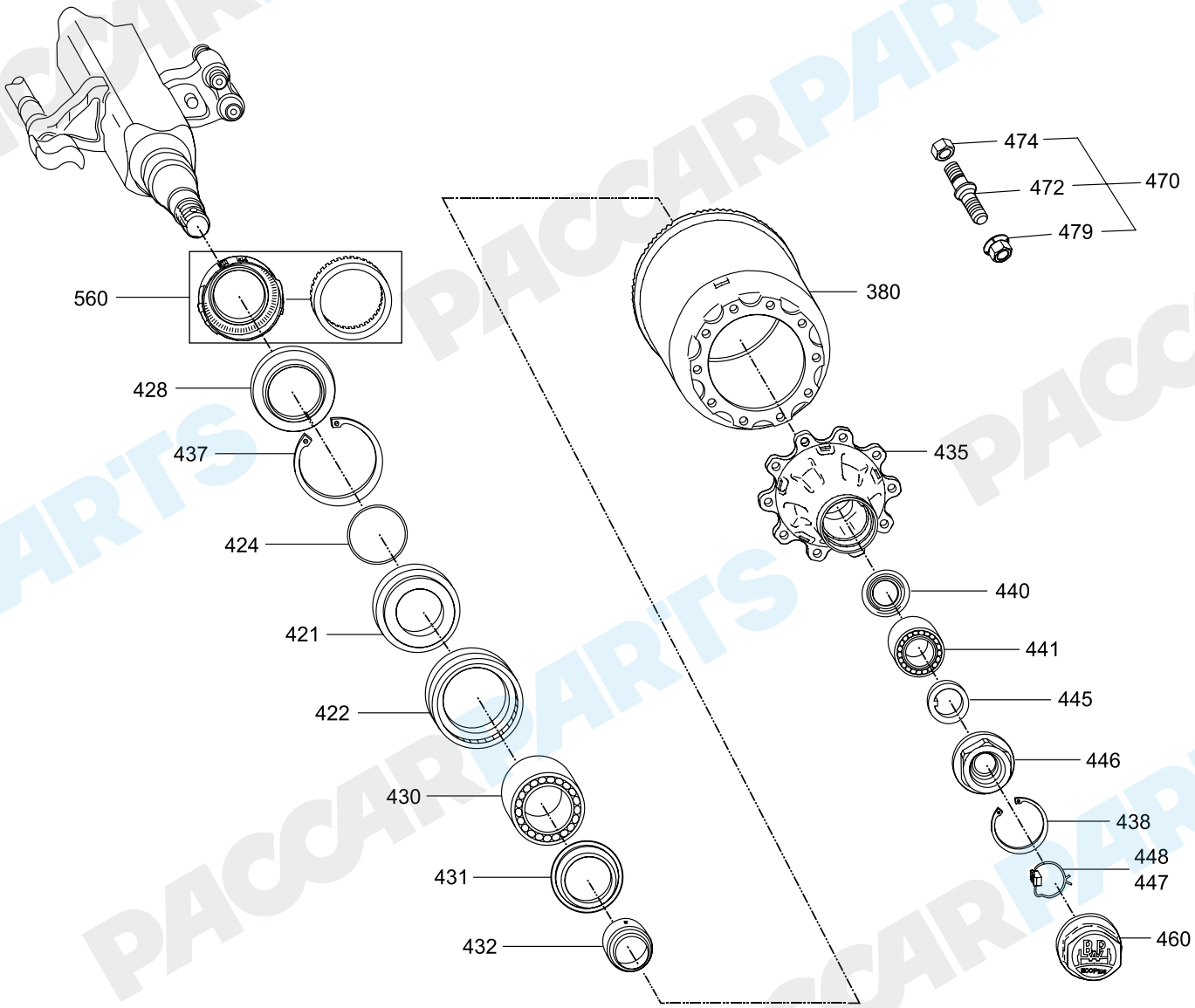
ECO HUB DISC BRAKE AXLE
9 TONNE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
380	0308834060	Rotor 10 Stud 335mm PCD		2
	0308834070	Rotor 10 Stud 285mm PCD		2
	0308834150	Rotor 8 Stud 275mm PCD		2
	NA	Rotor 10 Stud 335mm PCD	ABS Mounting	2
421	0337007760	Seal Carrier		2
422	0256645700	Grease Seal		2
423	0256836200	Seal Runner		2
424	0256779040	O-Ring		2
428	0256819800	Dust Seal		2
430	0264102400	Roller Bearing		2
431	0301093330	Grease Shield Inner		2
435	NA	Hub 8 / 275 Alloy	Suits press in stud	2
	0327228710	Hub 8 / 275 Steel		2
	0327228770	Hub 10 / 285 Steel		2
	0327232040	Hub 10 / 335 Alloy		2
	0327232030	Hub 10 / 335 Steel		2
437	0256064090	Circlip		2
438	0256061290	Circlip		2
440	0337025160	Grease Shield Outer		2
441	0264102500	Roller Bearing		2
445	0332073130	Washer		2
446	0326646020	Axle Nut		2
447	0308471170	Locking Pin		2
448	0318803060	Locking Ring		2
460	0321224250	Hub Cap (Steel, Standard)		2
470	0326004060	Back Nut		20
	0329623170	Wheel Stud Back Nut Style (Steel Wheels)	M22 x 1.5 x 114	20
	0329623240	Wheel Stud Back Nut Style (Aluminium Wheels)	M22x 1.5 x 136	20
	0329633121	Press In Stud (Steel Hub)	M22 x 1.5 x 114	16/20
	0329633161	Press In Stud (Aluminium Hub)	M22 x 1.5 x 97	16/20
	0526054100	Wheel Nut	M22 x 1.5	16/20
	0526054141	Wheel Nut Sleeve Type	M22 x 1.5, 32mm OD sleeve	16/20
560	0331008530	Exciter Ring - 100 Teeth (For 20" Wheels)	Ø125/156 x 8.5	2
	0531007291	Exciter Ring - 80 Teeth(For 19.5" Wheels)	Ø105/156 x 21.7	2

KIT PART NUMBER LISTING				
KIT	0980102720TS	Wheel Bearing & Seal Kit	Inc Items 422 - 424, 428, 430, 431, 440, 441, 445, 447, 448	2
	0980102720TSSC		Inc Items 421 - 424, 428, 430, 431, 440, 441, 445, 447, 448	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ECO PLUS HUB - H/R, KH
9 & 10-12 TONNE 420 x 180mm BRAKE



ECO PLUS HUB - H/R, KH
9 & 10-12 TONNE 420 x 180mm BRAKE

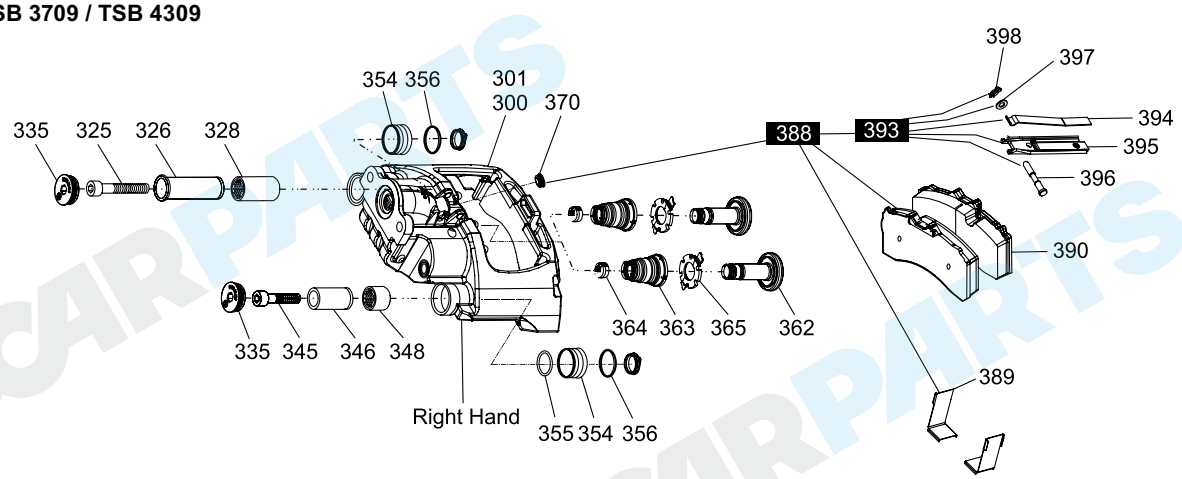
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
380	0310967130	Brake Drum 10 x 335 PCD	420 x 180	9 T	2
	0310967170	Brake Drum Spider 6 x 335 PCD			2
	0310967740	Brake Drum 10 x 335 PCD		All	2
	0310967780			10-12 T	2
	0310967810	Brake Drum Spider 6 x 335 PCD			2
	0310967870	Brake Drum 10 x 285 PCD		All	2
421	0337007720	Seal Carrier	Ø 132 x 22	10-12 T	2
422	0256647400	Hub Seal		All	2
424	0256780000	O-Ring		10-12 T	2
428	0312048150	Dust Seal		All	2
430	0264102300	Inner Bearing			2
431	0301093340	Dust Cover, Bearing Shield			2
432	0312045160	Dust Seal			2
435	0327246282	Hub 8 Stud 275 PCD - Dual Wheels	19.5" Wheel Size	9 T	2
	0327246390	Eco Plus 3 Hub 8 Stud 275 PCD - Dual Wheels	19.5" Wheel Size When replacing a Eco plus hub, use conversion kit PN 0980107092EPTS	10-12 T	2
	0327247450	Hub 10 Stud 285 PCD - Dual Wheels	20"/22.5" Wheel Size		2
	0580149430	Hub Spider - Dual Wheels			2
	0327243460	Eco Plus 3 Hub 10 Stud 335 PCD - Dual & Single Wheels	20"/22.5" Wheel Size When replacing a Eco plus hub, use conversion kit PN 0980107092EPTS		2
437	0256065890	Circlip Inner Hub		All	2
438	0256062290	Circlip Outer Hub			2
440	0337026240	Thrust Washer			2
441	0264102200	Outer Bearing			2
447	0327700070	Locking Wedge Axle Nut			2
448	0318804100	Locking Ring For Wedge			2
450	0210404500-450	Grease ECO-Li Plus 450g			2
460	0321225310	Hub Cap			2
470	0980623500	Wheel Stud Assembly	M 22 x 1,5 / M 22 x 2 / 136 / 82 / 49		20
560	0331008140	Exciter Ring 100 Teeth	Ø 176 / 194 x 15		2
	0331008530	Exciter Ring 80 Teeth	9T Eco Plus		2
	0531008441		10-12T Eco Plus		2
445 & 446	0580700440	Axle Nut & Washer Kit		All	2

KIT PART NUMBER LISTING					
KITS	0980106360TS	Wheel Bearings & Seal Kit	Includes 422 ,424, 428, 430, 431, 440, 441, 445, 447 & 448	9 T	2
	0980107040TS		Includes 422, 424, 428, 430 - 432, 440, 441, 445, 447 & 448	10-12 T	2
	0980107040TSSC		Includes 421 - 422, 424, 428, 430 - 432, 440, 441, 445, 447 & 448		2
	0980107040TSSCT		Inc. Seal Carrier, Washer, Axle Nut And Washer Kit & Grease 450g		2

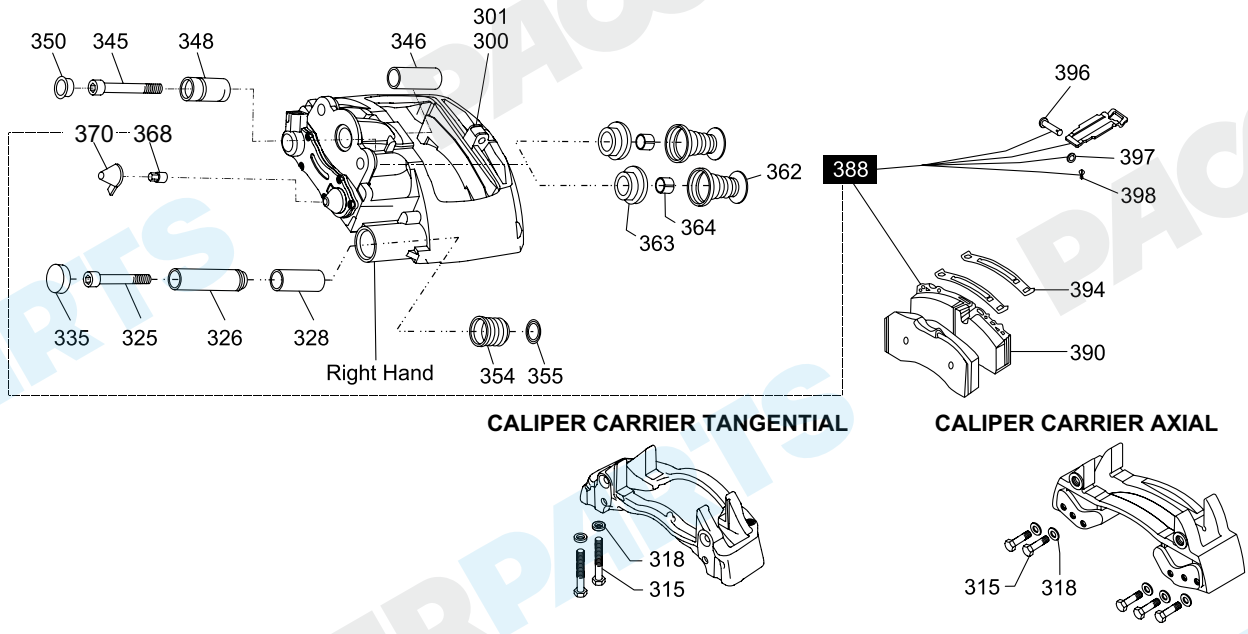
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ECO PLUS HUB - DISC BRAKE AXLE
10-12 TONNE

TSB 3709 / TSB 4309

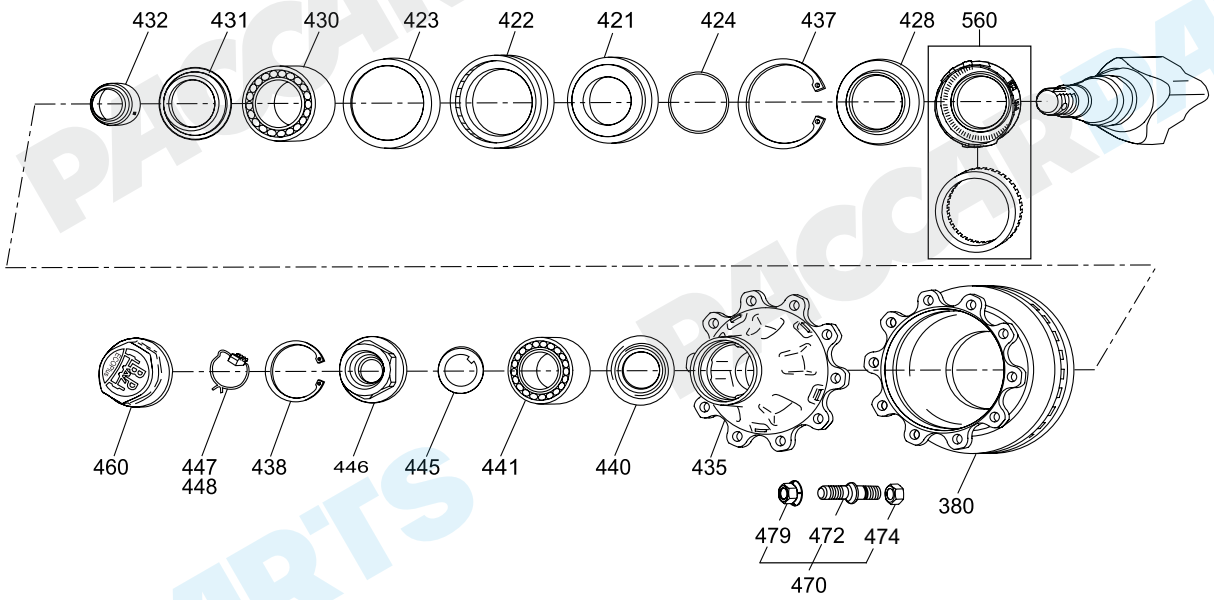


SB3745,SB3745T AND SB4309T



CALIPER CARRIER TANGENTIAL

CALIPER CARRIER AXIAL



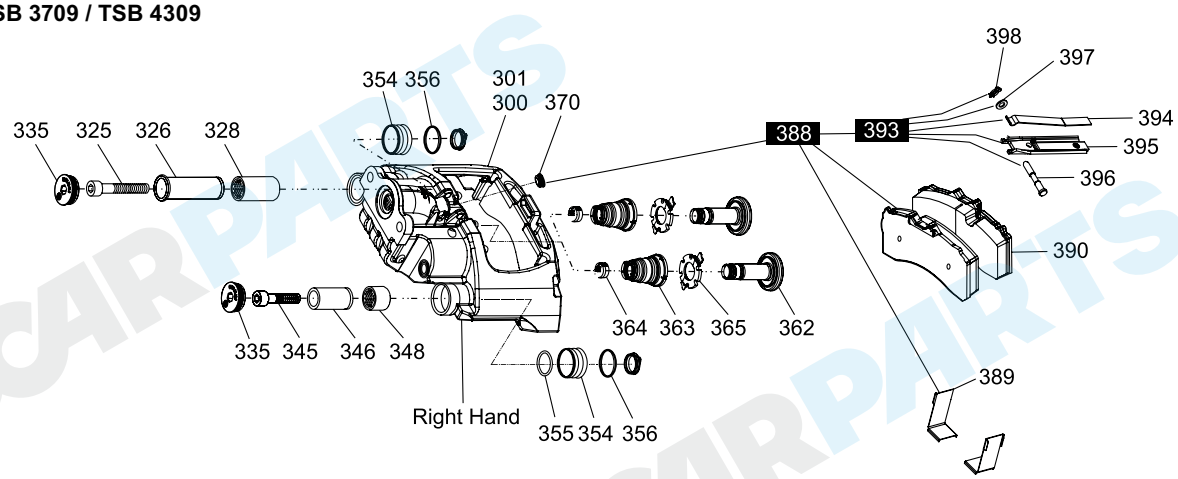
ECO PLUS HUB - DISC BRAKE AXLE
10-12 TONNE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APPLICATION	QTY/ AXLE
300	0536270610RAT	Rationalised Caliper - Left Hand		SB3745	1
	0536270630RAT	Monoblock Caliper - Left Hand		SB4309T	1
	0936272131TS	Replacement Caliper - Left Hand		TSB 3709	1
	0936272110TS			TSB 4309	1
301	0536270600RAT	Rationalised Caliper - Right Hand		SB3745	1
	0536270620RAT	Monoblock Caliper - Right Hand		SB4309T	1
	0936272120TS	Replacement Caliper - Right Hand		TSB 4309	1
	0936272141TS			TSB 3709	1
315	0334012260	Caliper Mount Bolt	M16 x 1.5 x 97 - 12.9	SB3745T & SB4309T	8
	0250298521	Bolt (Torque 280-330Nm)		SB3745	10
	0250298720				4 / 10
	0250298821	Bolt Steer Axle (Torque 280-330Nm)			4
	0250511021				2
318	0254011608	Washer	Ø 17mm	SB3745T & SB4309T	8
				SB3745	10
325	0334012320	Main Guide Pin Screw	M16 x 1.5 x 100 - 10.9	TSB 3709 & TSB 4309	2
345	0334012310	Loose Guide Pin Screw	M16 x 1.5 x 70 - 10.9	TSB 3709 & TSB 4309	2
368	0224001100	Adjuster Adaptor Suits Caliper Type B & C		SB3745, SB3745T & SB4309T	2
NS	0218270400	Cap, Adjuster Adaptor Suits Caliper Type A		SB3745	2
380	0308834150	Rotor 8 Stud 275mm PCD		TSB 3709	2
	0308834160	Rotor 8 Stud 275mm PCD for ABS			2
	0308835120	Rotor 10 Stud 335mm PCD		TSB 4309	2
	0308835140	Rotor 10 Stud 285mm PCD			2
388	0980108151	Brake Pad Kit	(Items 368 - 370, 390, 394, 396 - 398)	SB3745 & SB3745T	1
	0980108161	Brake Pad Kit Axle Set		SB4309T	1
	0980107940	Repair Kit Brake Pads	(Items 370, 389, 390, 394, 396 - 398)	TSB 3709	1
	0980107960			TSB 4309	1
393	0980107681	Repair Kit Brake Pad Retainer	(Items 394 - 398)	TSB 3709 & TSB 4309	2
421	0337007720	Seal Carrier	Ø 96 / 117.5 / 132 x 22	10-12 T	2
422	0256647400	Hub Seal	Ø 117.5 x 158 x 17.5		2
424	0256780000	O-Ring	Ø 100 x 3		2
428	0312048150	Dust Seal	Ø 117.5 / 160 x 9.5		2
430	0264102300	Wheel Bearing Inner	33118		2
431	0301093340	Grease Shield Inner	Ø 94 / 149 x 8.5		2
432	0312045160	Dust Seal	Ø 67 / 93 x 8.5		2
435	0327243470	Eco Plus 3 Hub 10 Stud 335mm PCD	When replacing eco plus hub, use conversion kit PN 0980107092EPTS		2
	03272246380	Eco Plus 3 Hub 8 Stud 275mm PCD			2
	0327247440	Hub 10 Stud 285mm PCD			2
437	0256065890	Circlip Inner	Ø 158 x 4		2
438	0256062290	Circlip Outer	Ø 122 x 4		2
440	0337026240	Thrust Washer	Ø 71 / 108 x 8		2
441	0264102200	Wheel Bearing Outer	33213		2
445	0332065050	Washer - Axle Nut	Ø 53 / 76 x 5.8		2

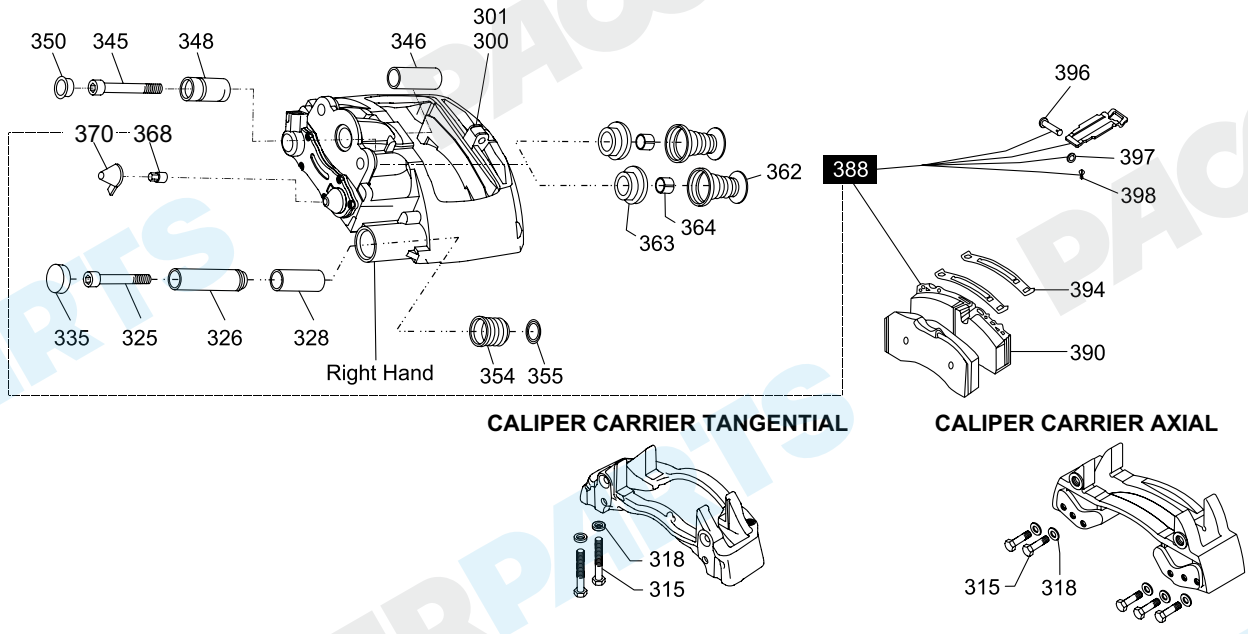
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ECO PLUS HUB - DISC BRAKE AXLE CONTINUED
10-12 TONNE

TSB 3709 / TSB 4309

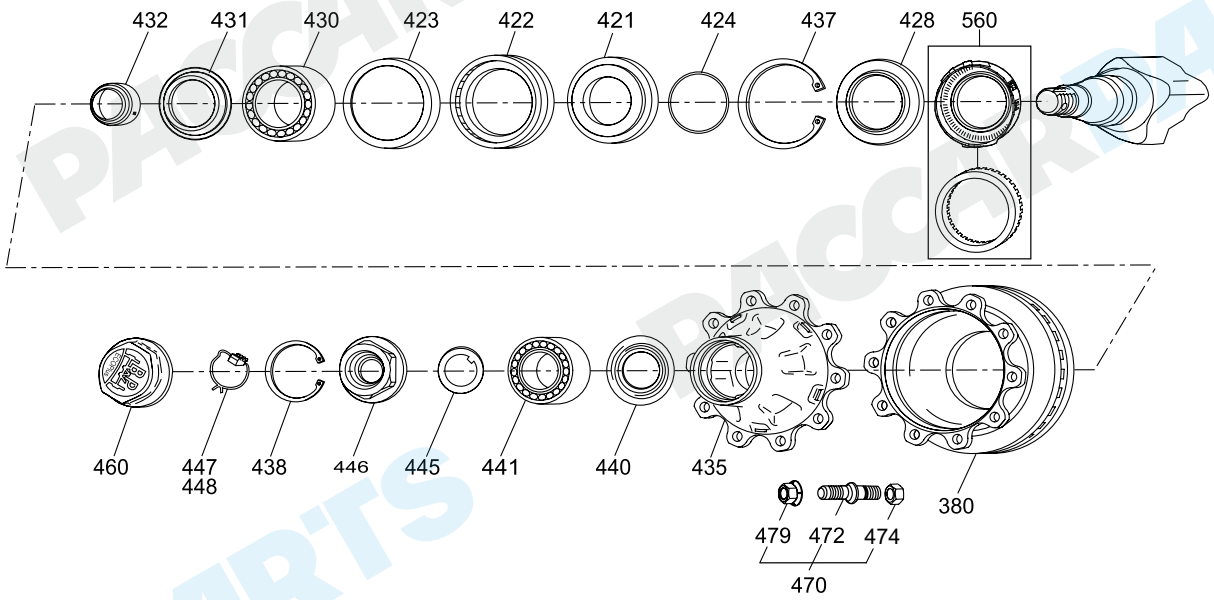


SB3745,SB3745T AND SB4309T



CALIPER CARRIER TANGENTIAL

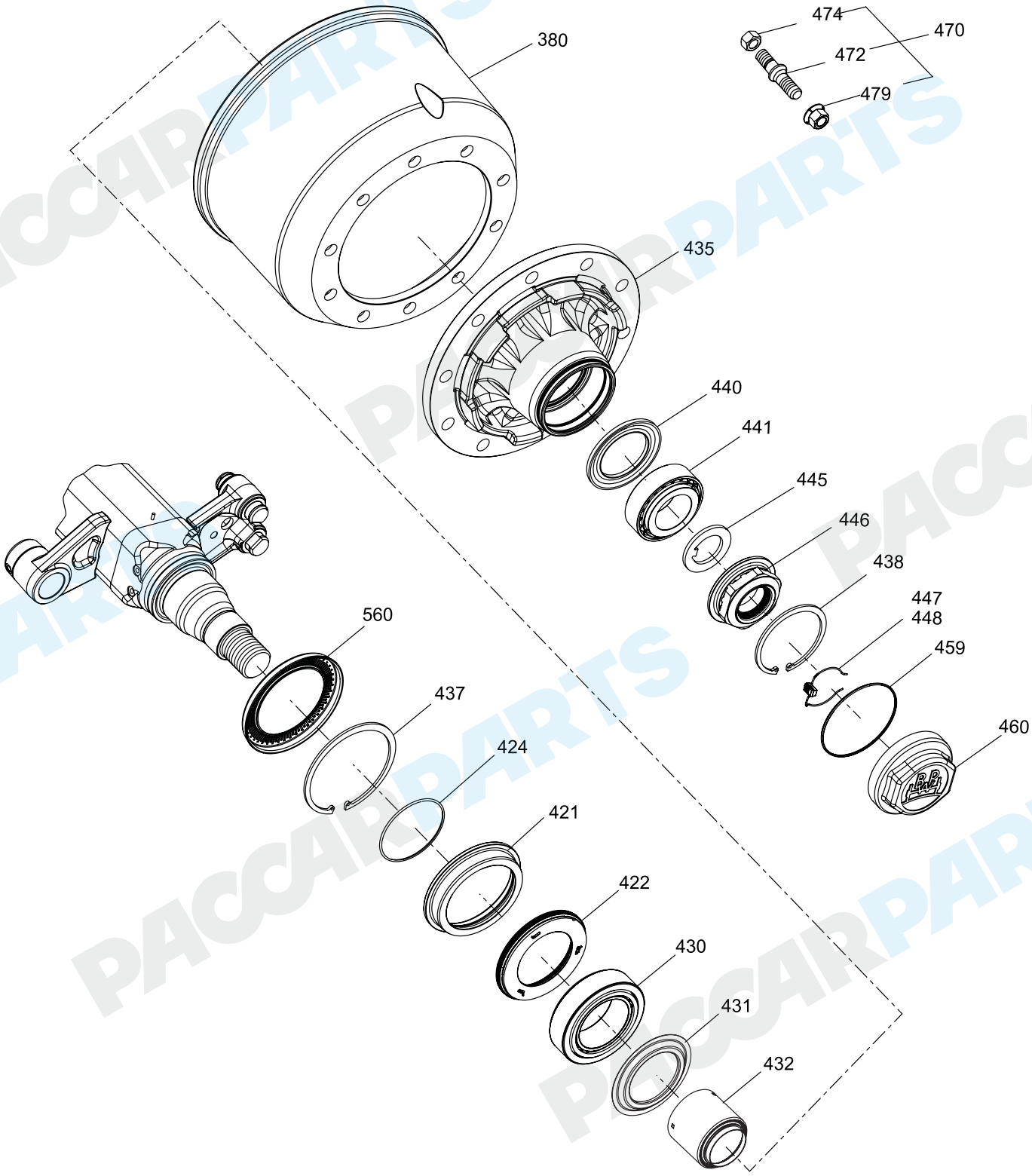
CALIPER CARRIER AXIAL



ECO PLUS HUB - DISC BRAKE AXLE CONTINUED
10-12 TONNE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APPLICATION	QTY/ AXLE
446	0580700440	Axle Nut & Washer Kit	M52 x 2 / SW 95	10-12 T	2
447	0327700070	Locking Wedge - Axle Nut			2
448	0318804100	Hooked Ring Spring - Locking Wedge	Ø 62 x 1.8		2
460	0321225310	Hub Cap	M136 x 2.5 / SW 110		2
	0321225310C	Hub Cap, Chrome	M136 x 2.5 / SW 111		2
470	0980623500	Wheel Stud Assembly	M22 x 1,5 / M22 x 2 / 136 / 82 / 49		20
560	0331009390	Exciter Ring 80 Teeth		TSB 3709	2
	0531008501	Exciter Ring 100 Teeth		TSB 4309	2
KIT PART NUMBER LISTING					
KIT	0980102630	Thrust Pad & Boot Kit Suits Caliper Type A & B	(Items 362 - 364)	SB3745	2
	NA	Main Pin Kit Suits Caliper Type A & B	(Items 325 - 328, 335, 354, 355, 369)		2
	0980106240/310	Guide Pins & Seal Kit Suits Caliper Type A	(Items 325 - 328, 335, 336, 345 - 348, 354, 355)		2
	NA	Guide Pins & Seal Kit Suits Caliper Type B			2
	0980106330	Guide Pins & Seal Kit Suits Caliper Type C	(Items 325 - 328, 345 - 348, 350, 352)	SB3745, SB3745T & SB4309T	2
	0980106320	Thrust Pad & Boot Kit Suits Caliper Type C	(Items 362 - 364)		2
	0980106330KB	Guide Pins & Seals Kit Suits Caliper Item Numbers 0536270620RAT & 0536270630RAT	(Items 325 - 355)	SB3745T & SB4309T	2
	0980107611	Repair Kit Guide Pins	(Items 325, 326, 328, 345, 346, 348)	TSB 3709 & TSB 4309	2
	0980107620	Repair Kit Seals for Guide Pins	(Items 335, 354, 355, 356, 370, Grease)		2
	0980107631	Repair Kit Tappet	(Items 362 - 365)		2
	0980107040TS	Wheel Bearing & Seal Kit (Not Including Seal Carrier)	(Items 422, 424, 428, 430 - 432, 440, 441, 445, 448, 447	10-12T	2
	0980107040TSSC	Wheel Bearing & Seal Kit (Including Seal Carrier)	(Items 421, 422, 424, 428, 430 - 432, 440, 441, 445, 448, 447		2

BPW ECO PLUS 3 HUB-H/R, KH
10-12 TONNE 420 x 180mm BRAKE

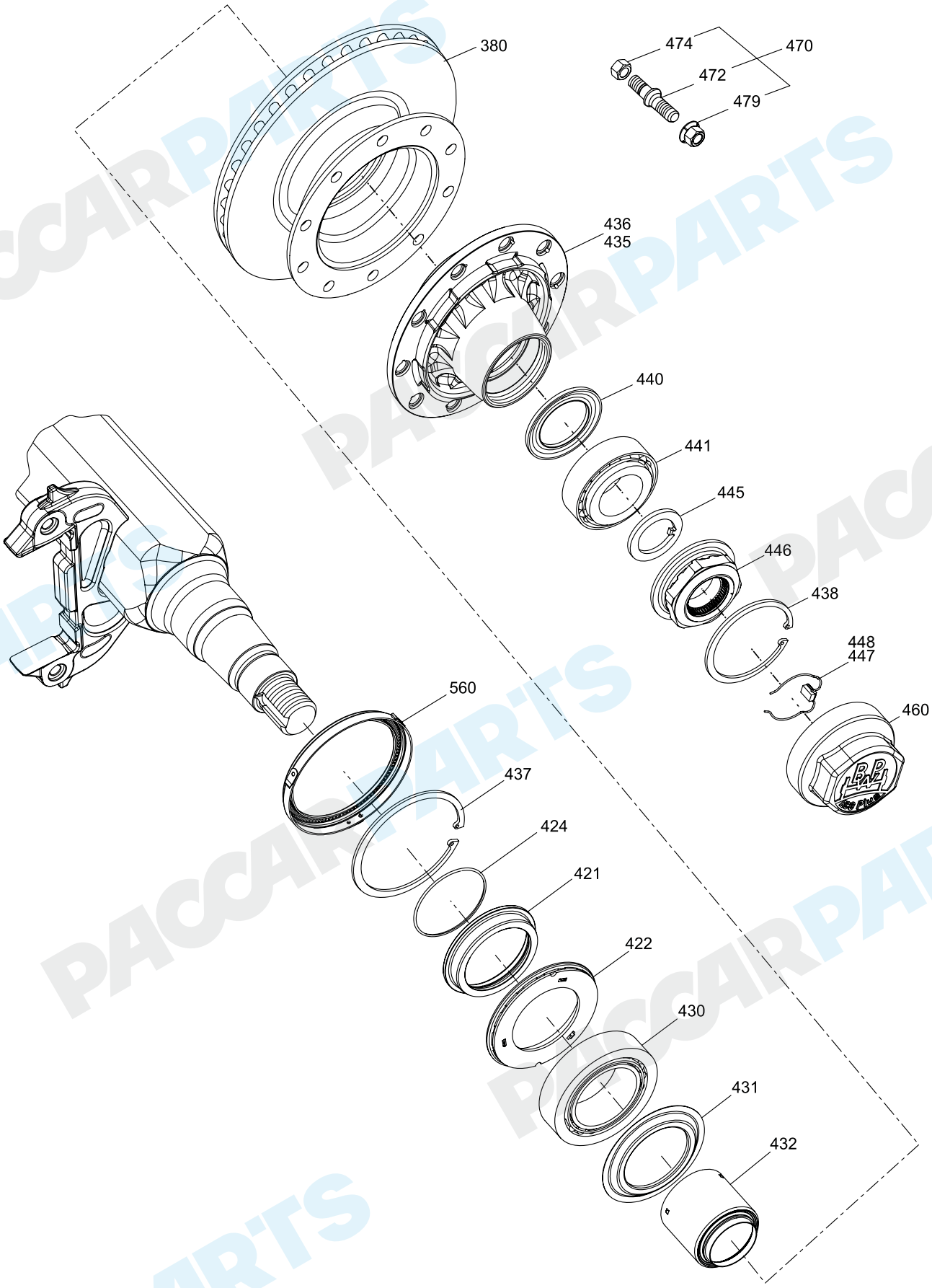


BPW ECO PLUS 3 HUB-H/R, KH
10-12 TONNE 420 x 180mm BRAKE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
380	0310967130	Brake Drum 335 PCD	Ø 420 x 180 / 226 / 290 / 10 x Ø 23 / 335	9T	2
	0310967780		Ø 420 x 180 / 249 / 290 / 10 x Ø 23 / 335	10-12T	2
	0310967740		Ø 420 x 180 / 252,5 / 290 / 10 x Ø 23 / 335	9, 10-12T	2
	0310967870	Brake Drum 285 PCD	Ø 420 x 180 / 253 / 240 / 10 x Ø 23 / 285.75		2
421	0337007820	Seal Carrier			2
422	0256647700	Thrust Ring with Lip Seal			2
424	0256780000	Seal Carrier O-Ring			2
NS	0312048150	Dust Seal			2
430	0264102300	Inner Bearing			2
431	0301093340	Dust Cover, Bearing Shield			2
432	0312045160	Dust Seal			2
435	0327246390	Hub KH10 8 Stud 275 PCD -D/AL Drum		19.5" Wheel Size	2
	0327243460	Hub 10 Stud 335 PCD -D/AL Drum Push In		20"/22.5" Wheel Size	2
	0327247450	Hub H10 10 Stud 285 PCD -D/AL Drum			2
	0980109060	Hub H10 10 Stud 285 PCD -D/AL Drum L/Wt Alu			2
	0580149430	Hub Spider - Dual Wheels	Includes Hub, Wheel Studs, Wheel Nuts & Wheel Clamps		2
	0332876510	Hub 3 Spoke Spider H/R10			2
437	0256065890	Circlip Inner Hub			2
438	0256062290	Circlip Outer Hub			2
440	0337026240	Thrust Ring			2
441	0264102200	Outer Bearing			2
447	0327700070	Locking Wedge Axle Nut			2
448	0318804100	Locking Ring For Wedge			2
459	0256787200	O-Ring Hub Cap			2
460	0321229060	Hub Cap	Use with O-ring (Item 459)		2
	0321229088CTS	Hub Cap Chrome	M135 x 2, 70(H)x110(W)		2
470	0980623500	Wheel Stud Assembly	Contains 472(0329623240), 474(0326004060) & 479(0526054100)		20
560	0331008140	Exciter Ring	Ø 176 / 194 x 15 (100 Z)		2

KIT PART NUMBER LISTING					
KIT	0580700440	Axle Nut & Washer Kit	Items 445 & 446		2
	0980107050TS	Wheel Bearings & Seal Kit	(Items 422, 428, 430, 431, 440, 441, 447, 448)		2
	0980107050TSSC		(Items 422, 428, 430, 431, 440, 441, 447, 448, 424, 432)		2

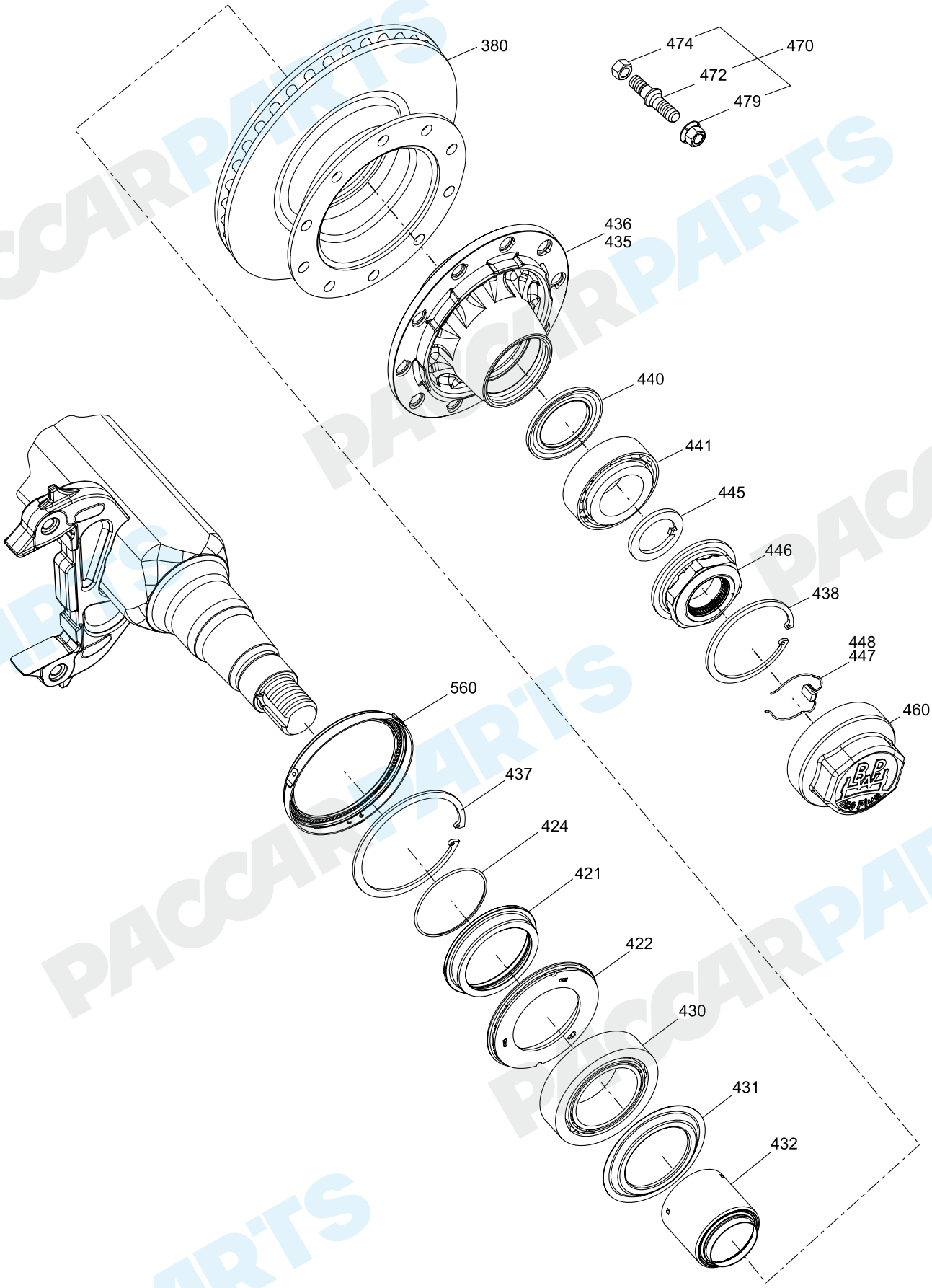
ECO PLUS 3 HUB DISC BRAKE
10-12 TONNE



ECO PLUS 3 HUB DISC BRAKE
10-12 TONNE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
380	0308834150	Rotor 8 Stud 275mm PCD		TSB 3709	2
	0308834160	Rotor 8 Stud 275mm PCD for ABS			2
	0308835120	Rotor 10 Stud 335mm PCD		TSB 4309	2
	0308835140	Rotor 10 Stud 285mm PCD			2
421	0337007820	Seal Carrier			2
422	0256647700	Thrust Ring With Seal			2
424	0256780000	O-Ring Seal Carrier			2
430	0264102300	Inner Bearing			2
431	0301093340	Dust Cover			2
432	0312045160	Dust Seal			2
435	0327244510	Hub NH101 10 Stud 225 PCD - D/AL	15"/17.5" Wheel Size	10-12 T	2
	0327246380	Hub SKH10 8 Stud 275 PCD - D/AL Disc	19.5" Wheel Size		2
	0327243470	Hub SH101 10 Stud 335 PCD - D/AL Disc Push In	20"/22.5" Wheel Size		2
	0327247440	Hub H10 10 Stud 285 PCD - D/AL Disc			2
	0980109050	Hub H10 10 Stud 285 PCD - D/AL Disc L/Wt Alu			2
436	0260103960	Peg 6mm Alloy Hub		10-12 T	20
437	0256065890	Circlip Inner Hub			2
438	0256062290	Circlip Outer Hub			2
440	0337026240	Thrust Ring			2
441	0264102200	Outer Bearing			2
445	0332065050	Washer			2
446	0580700440	Axle Nut & Washer Kit		Eco Plus Retrofit	2
	0326647030	Axle Nut	M 52 x 2 / Ø 120 SW 80	Eco Retrofit Kit	2
	0326217120		M 52 x 2 / Ø 106 SW 80	Eco Retrofit Conv Beam	2
447	0327700070	Pin/Wedge Axle Nut		Eco Plus Retrofit	2
	0308471170			Eco Retrofit Kit	2
	0326217120			Eco Retrofit Conv Beam	2
448	0318804100	Locking Ring Axle Nut		Eco Plus Retrofit	2
	0318804080			Eco Retrofit Kit	2
460	0321229088CTS	Hub Cap with O-Ring	Chrome	10-12 T	2
	0321229060TS		Steel	Eco Retrofit Kit	2
				Eco Retrofit Conv Beam	2
				Eco Plus Retrofit	2
470	0980623500	Wheel Stud Assembly	Contains 472(0329623240), 474(0326004060) & 479(0526054100)		20
560	0331008140	Exciter Ring			2

ECO PLUS 3 HUB DISC BRAKE CONTINUED
10-12 TONNE



ECO PLUS 3 HUB DISC BRAKE CONTINUED
10-12 TONNE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
KIT PART NUMBER LISTING					
KIT	0980107050TS	Wheel Bearing & Seal Kit		10-12 T	2
	0980107050TSSC	Wheel Bearing & Seal Kit (Inc Seal Carrier, O-Ring)			2
	0980107092TS	EP3-Eco Retrofit*	Inc 421-460		2
	0980107092EPTS	EP3-Eco Plus Retrofit*	Inc 421, 422, 424, 430, 431, 432, 440, 441, 446-460		2
	0980107092C0NVTS	EP3-Eco Retrofit Conv Beam*	Inc 421, 422, 424, 430, 431, 440, 441, 446, 447, 460		2

*Note

Retrofit Wheel Bearing and Seal Kits

When an Eco Plus 3 Hub is used to replace a Conventional Spider, Conventional 1⅞5, ECO 1⅞5 or Eco Plus 1⅞5 hub then a retrofit Wheel Bearing and Seal Kit must also be fitted

There are three retrofit kits

1. Item number = **0980107092EPTS** Description= EP3-**ECO PLUS RETROFIT** (This kit suits ECO PLUS axle beams with the keyway through the axle nut thread, these were used from late 2008 on axles with ECO PLUS hubs)
2. Item number 2 = **0980107092TS** Description= EP3-**ECO RETROFIT** (This kit suits ECO axle beams with the keyway through the axle nut thread, these were used from early 1996 on axles with ECO hubs and axles with Conventional hubs)
3. Item number 3 = **0980107092C0NVTS** Description= EP3-**ECO RETROFIT CONV BEAM** (This kit suits older conventional beams that do not have a keyway through the axle nut thread)

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AXLE IDENTIFICATION 70

KF12 DRUM BRAKE AXLE 74
420mm x 180mm Q BRAKES - (22.5")
9T UNITISED

KK44 DRUM BRAKE AXLE 78
311 x 190mm Q BRAKES
(LOW LOADER) - (15"-17.5") - TN

KF37 DRUM BRAKE AXLE 82
380 x 220mm Q BRAKES - (19.5") - TN

KF22 & KF29 DRUM BRAKE AXLE 86
420 x 180mm BRAKES - (22.5")
TN, CONMET PRESET PLUS

KF22 & KF29 DRUM BRAKE AXLE 92
420 x 180mm BRAKES - (22.5")
TP & MBS Ø146, CONMET PRESET PLUS

KF22 & KF29 DRUM BRAKE AXLE 98
420 x 180mm BRAKES - (22.5") - UNITISED

KF21 HD DRUM BRAKE AXLE 102
420 x 180mm XEM BRAKES - (22.5") - TP

KF61 DRUM BRAKE AXLE 106
420 x 180mm XEM BRAKES
150 SQUARE AXLE - TP

KF75 DRUM BRAKE AXLE 110
420 x 220mm XEM BRAKES
150 SQUARE AXLE - TN-HD

KF85 DRUM BRAKE AXLE 114
420 x 220mm XEM BRAKES
150 SQUARE - TN-XHD

KSS1 SELF STEER AXLE 118
420 x 180mm Q BRAKES - TN

KF26, KF36 DISC BRAKE AXLE 122
PAN 19 - TN, TP, UNITISED

KF23 DISC BRAKE AXLE 126
PAN 22 - TP CONMET PRESET PLUS

FB24 DISC BRAKE AXLE 130
PAN 22 TN-HD

AXLE IDENTIFICATION

DRUM BRAKE

MODEL SERIES	CAPACITY TON	AXLE BEAM SIZE	BEARING TYPE	BRAKE TYPE	S-CAM SIZE	S-CAM TYPE	WHEEL END OPTIONS
KF12	9t	Ø127x16	Unitised	Ø420x180 (16.5"x7") GP - 'Q' Brake	1-½" 10 Spline	Enclosed	10x285
KK44	10.5t	Ø127x16	TN	Ø311x190 (12.25"x7.5")	1-½" 10 Spline	Open	3 Spoke-15" 10x225-17.5"
KF37	11.5t	Ø127x16	TN Unitised	Ø380x220 (15"x 8-⅝")	1-½" 10 Spline	Open	8x275-19.5"
KF22 KF29	11.5t	Ø127x16	TP TN Unitised	Ø420x180 (16.5"x7") GP - 'Q' Brake 'P' Brake	1-½" 10 Spline	Enclosed	10x285 10x335 5 Spoke
KF21	11.5t	Ø127x19	TP	Ø420x180 (16.5"x7") XEM	1-⅝" 37 Spline	Enclosed	10x285 10x335 5 Spoke
KF61	13t	150x15*	TP	Ø420x180 (16.5"x7") XEM	1-⅝" 37 Spline	Enclosed	10x285 10x335 5 Spoke
	12t	150x15*					
KF67	13t	150x15*	ConMet Preset	Ø420x180 (16.5"x7") GP - 'P' Brake	1-½" 10 Spline	Enclosed	10x285
	12t	150x15*					
KF75	16.9t	150x18*	TN-HD	Ø420x220 (16.5"x8-⅝") XEM	1-⅝" 37 Spline	Enclosed	10x335
KF85	20t	150x18*	TN-XHD	Ø420x220 (16.5"x8-⅝") XEM	1-⅝" 37 Spline	Enclosed	10x335-M24

*Note: *Mechanical suspension ONLY! **Air suspension ONLY!*

DISC BRAKE

MODEL SERIES	CAPACITY TON	AXLE BEAM SIZE	BEARING TYPE	BRAKE TYPE	WHEEL END OPTIONS
KK36	11.5t	Ø127x15	TN Unitised	PAN 19 – Ø377 Rotor	8x275
KF26	11.5t	Ø127x15	TP TN Unitised	PAN 19 – Ø377 Rotor	10x285 10x335 5 Spoke
KF23	13t	Ø127x18	TP ConMet	PAN 22 – Ø430 Rotor	10x285
	12t	150x15**			
FB24	17t	150x18	TN - HD	PAN 22 – Ø430 Rotor	10x335



AXLE IDENTIFICATION

KF1	9.0T 22.5 Dual Wheel
KF2	11.5T 22.5 Dual Wheel
KF3	9.0T 19.5 Dual Wheel
KK2	11.5T 22.5 Dual Wheel Local
KK4	10.5T 15 & 17.5 Dual Wheel
KSS	10.0T Self Steer

F	Oil / Semifluid
G	Grease

J	¾" Rim Clamp
K	Short Steel Wheel
L	Long Alu Wheel

A	Ø146x10 MBS
N	Ø127x16
P	Ø127x19
U	127x127
R	150x150x10
S	150x150x15

30	Long Tube
32	No Tube
33	Self Steer
XX	Disc

S	Straight
CAM	Cambered

KF2	2	B	G	15	L	1850	N	30	V	S	A

1	420x180 XEM
2	420x180 Q
3	PAN22
4	311x180
6	PAN19
7	380x220 19.5"
9	420x180 HD P

A	TN
B	TP
U	Unitised
PA	Preset TN
PB	Preset TP
CA	ConMet TN
CB	ConMet TP

14	5 & 3 Spoke
15	10x285 10x225
16	10x335
17	10x285 Duralite
18	10x285 Alu Preset
19	8x275

1820	Track mm
1850	
1956	

V	Centrifuse Drums
W	Auto Slack
ABS	ABS
Z	Truturn Drums

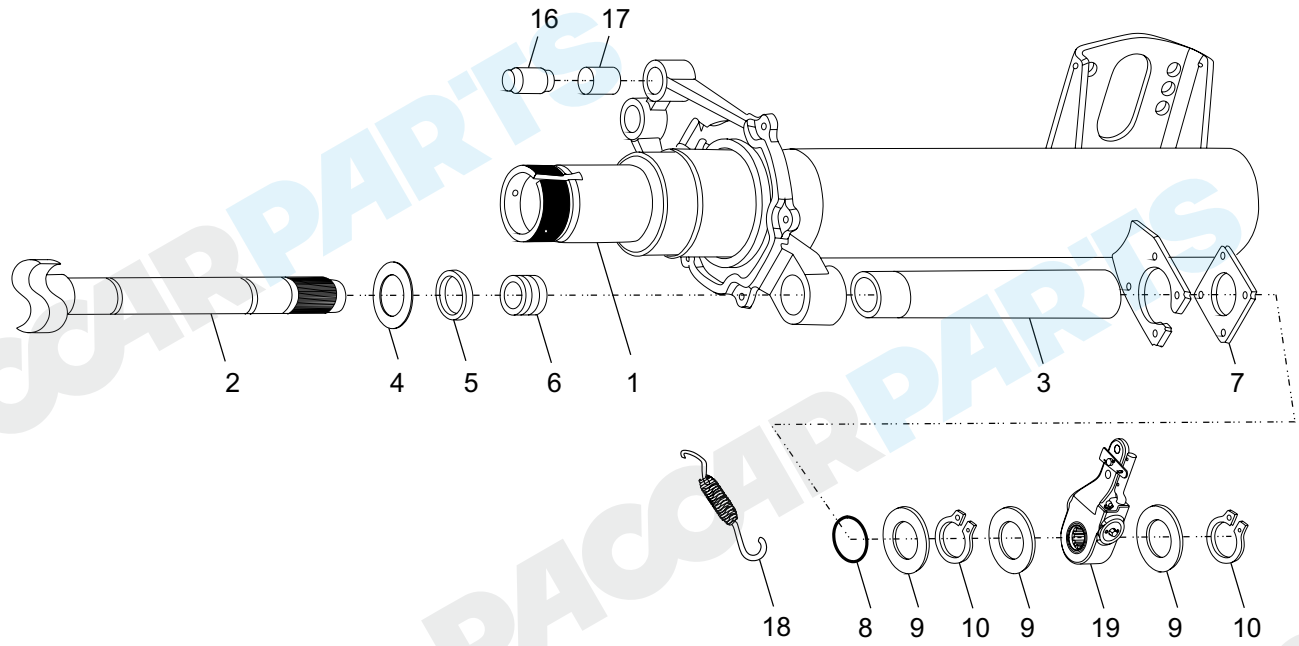
A	Booster Location
A1	
B	
B1	

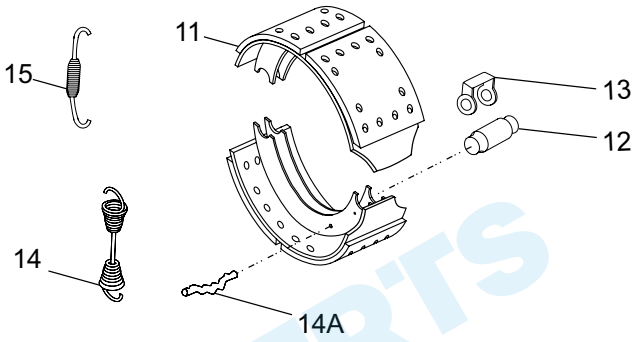
NOTES

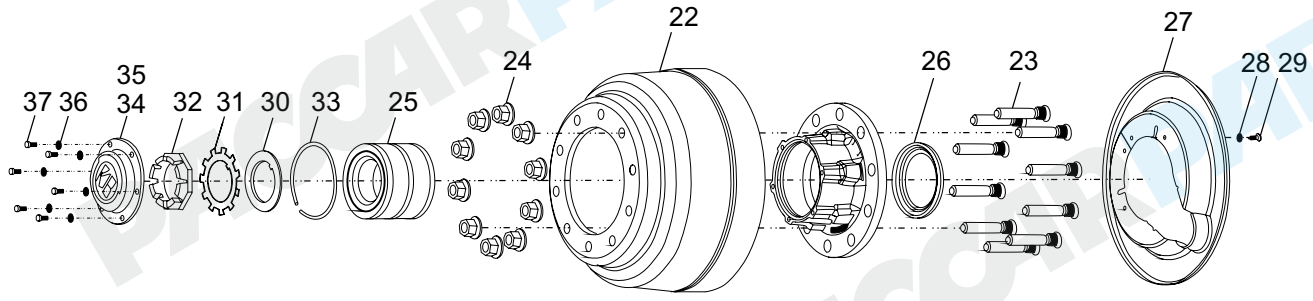
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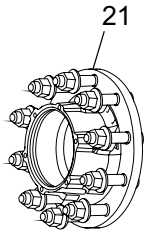
KF12 DRUM BRAKE AXLE

420 x 180mm Q BRAKES - (22.5") - 9T UNITISED









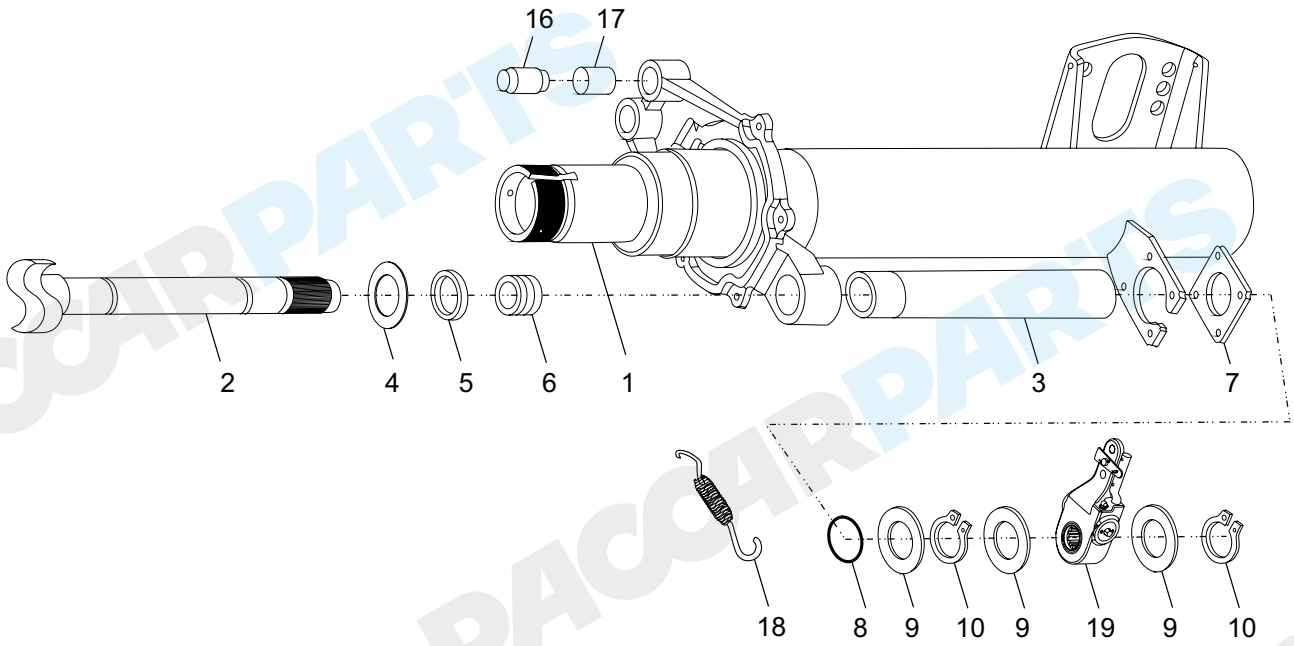
HUB ASSEMBLY

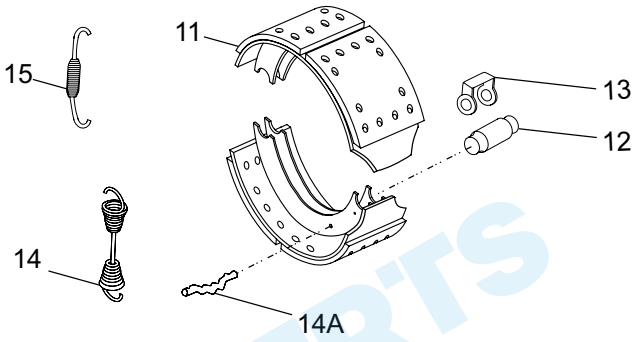
KF12 DRUM BRAKE AXLE
420 x 180mm Q BRAKES - (22.5") - 9T UNITISED

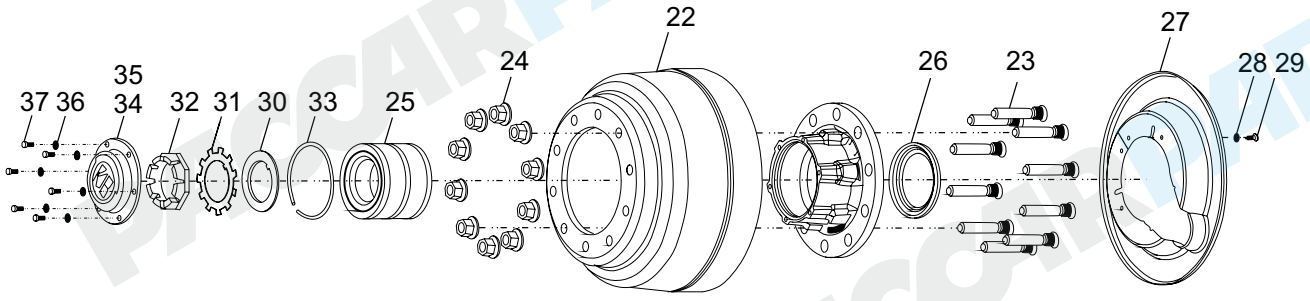
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF12FX13X1820N30	Beam & Brake Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF12FX13X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
2	C11-0201C-604LH	Camshaft – LH (604mm) 10 Spline		1
	C11-0201C-604RH	Camshaft – RH (604mm) 10 Spline		1
3	C30-0201-604	Cam Tube Assembly	Contained in Kit A: C30-0201-604K	2
4	C15-0102	Washer, Camshaft Spacer		2
5	C14-0201	Seal, Camshaft Outer		2
6	C13-0201	Camshaft Bush (Spider)		2
7	C33-0201	Camshaft, Mounting Plate		2
8	C24-0401	O-Ring, Cam Tube Inner		2
9	C15-0102	Washer, Camshaft Spacer		6
10	C16-0501	Circlip, Camshaft Inner		4
11	NSS	Shoe Set (2)	Contained in Kit B: D20-020101K (Brake Shoe Kit)	2
12		Roller	Contained in Kit B: D20-020101K (Brake Shoe Kit) & Kit C: D20-020101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		2
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
	KH278323EF	Positive Lock Slack Adjuster	Manual	2
21	H31-0502	Hub Assembly – Long Stud		2
22	KH3602-0303	Drum		2
23	H33-0307	Stud Long (M22 x 122)		20
24	KH800096	Nut M22 x 32 A/F		20
	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional	20
	KH800238	Nut M22 x 33 A/F		20
25	BTH-0055D	Bearing Cartridge (9T)	Contained in Kit E: AXK1T-07 (Wheel Bearing Kit)	2
26	KH47690	Seal	Contained in Kit E: AXK1T-07 (Wheel Bearing Kit)	2
27	H18-0101	Dust Cover		2
28	KH800055	Spring Washer		12
29	M8X16X1.75	Bolt – Dust Cover – M8		12
30	N300003-001	Washer, Bearing	Contained in Kit D: AXK1T-06 (Axle Nut Kit) & Kit E: AXK1T-07 (Wheel Bearing & Seal Kit)	2
31	N300002-001	Lock Tab		2
32	N300004-001	Nut Spindle		2
33	N300005-001	Snap Ring	Contained in Kit E: AXK1T-07 (Wheel Bearing & Seal Kit)	2
34	N300015-001	O-Ring – Hub Cap	Contained in Kit E: AXK1T-07 (Wheel Bearing & Seal Kit)	2
35	N300006-001	Hub Cap – Aluminium – Ø162 PCD		2
36	KH800055	Washer – Hub Cap Bolt		12

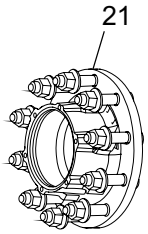
KF12 DRUM BRAKE AXLE CONTINUED

420 x 180mm Q BRAKES - (22.5") - 9T UNITISED









HUB ASSEMBLY

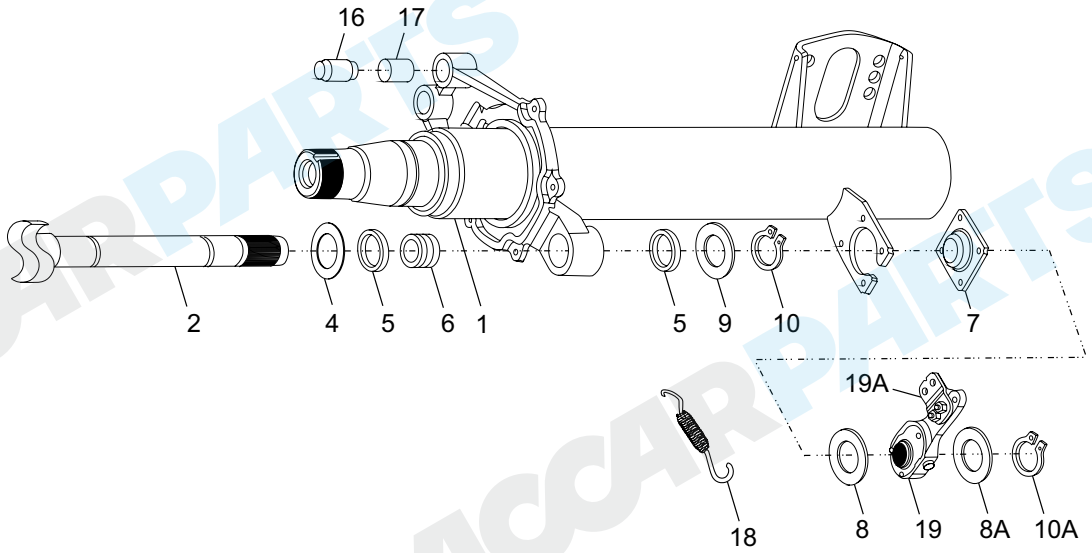
KF12 DRUM BRAKE AXLE CONTINUED
420 x 180mm Q BRAKES - (22.5") - 9T UNITISED

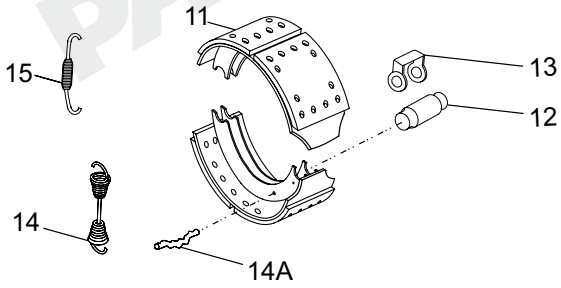
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
37	KH800122	Bolt - Hub Cap – 5/16"		12
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit F: ABSK1T-01	2
	A16-0101	Sleeve		2
	H41-0201	ABS Pole Ring – 100 Tooth – Ø165 ID		2

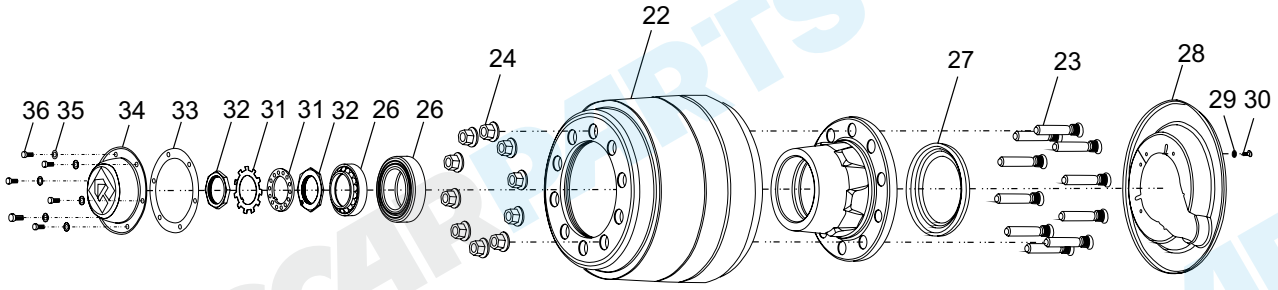
KIT PART NUMBER LISTING				
Kit A	C30-0201-604K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: Unitised 1,820mm & 1,850mm Track Axle Includes Item No: 3 - 10	2
Kit B	D20-020101K	Shoe Kit (1 Wheel)	Kit Suits: KF12 Axle Includes Item No: 11 - 17	2
Kit C	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF12 Axle - 420mm x 180mm Q Brakes Contained in Kit B: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit D	AXK1T-06	Axle Nut Kit	Kit Suits: Unitised KF12 9T Axle Contained in Kit F: AXK1T-07 Includes Item No: 30 - 32	2
Kit E	AXK1T-07	Wheel Bearing & Seal Kit	Kit Suits: Unitised KF12 9T Axle Includes Item No: 25, 26, 30 - 34	2
Kit F	ABSK1T-01	ABS Kit	Kit Suits: Unitised KF12 Axle	1

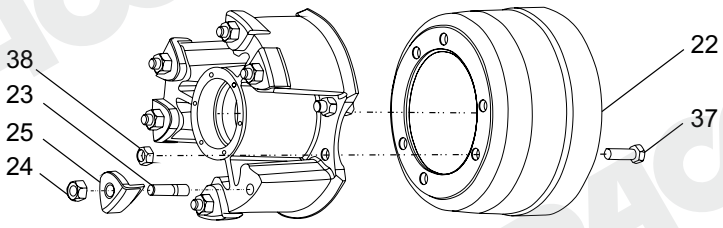
KK44 DRUM BRAKE AXLE

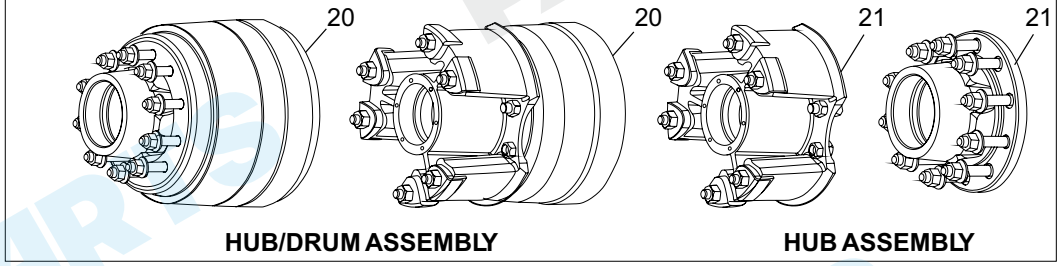
311 x 190mm Q BRAKES - (LOW LOADER) - (15"-17.5") - TN











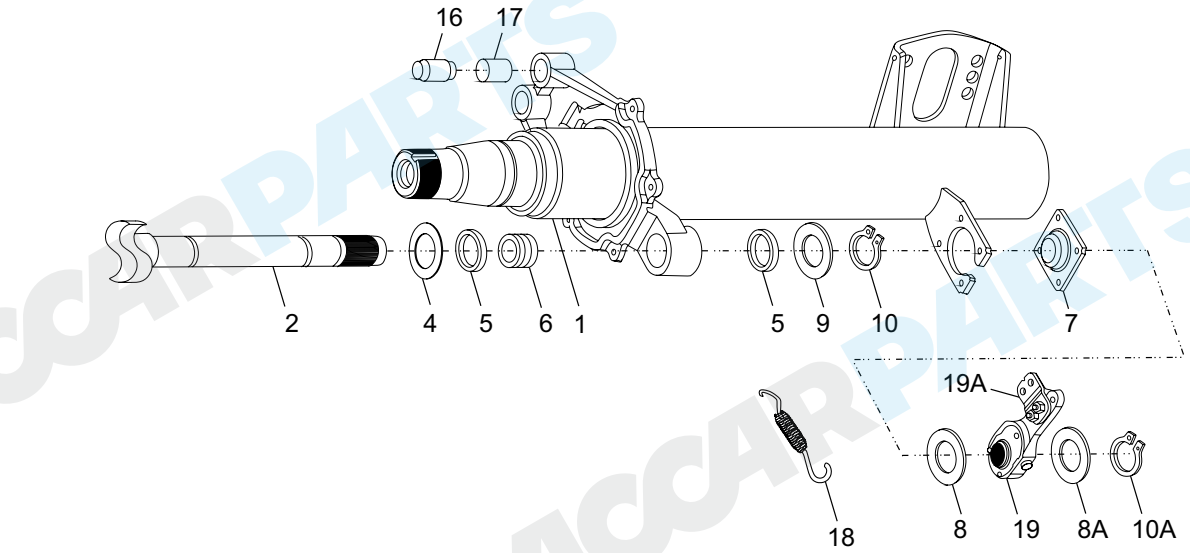
KK44 DRUM BRAKE AXLE
311 x 190mm Q BRAKES - (LOW LOADER) - (15"-17.5") - TN

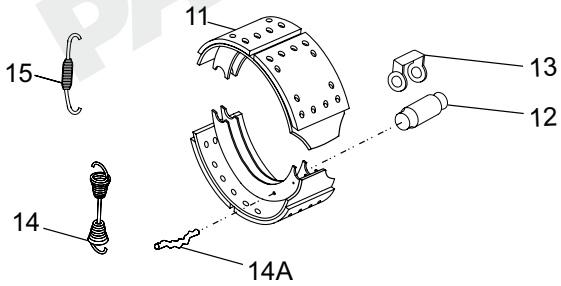
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KK44AX13X1820N32	Beam & Brake Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KK44AX13X1850N32		1850 - Sold as Axle Assy, PN for ref only	1
	KK44AX13X1956N32		1956 - Sold as Axle Assy, PN for ref only	1
2	KH3304-2011	Camshaft – LH (605mm) 10 Spline		1
	KH3304-2012	Camshaft – RH (605mm) 10 Spline		1
4	C12-0301	Washer, Camshaft Spacer	Contained in Kit A: KK44CBK1T	2
5	C24-0501	Seal, Camshaft Outer		4
6	C13-0401	Camshaft Bush (Spider)		2
7	C20-0201	Bearing Assembly – Camshaft		2
8	C15-0102	Washer, Slack Adjuster (Thin)		2
8A	C15-0108	Washer, Slack Adjuster (Thick)		2
9	C15-0103	Washer, Camshaft Spacer		2
10	C16-0401	Circlip, Camshaft Inner		2
10A	C16-0601	Circlip, Slack Adjuster		2
11	D20-050101	Shoe Set (2)		2
12	NSS	Roller	Contained in Kit B: D20-050101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	617103001EF	Positive Lock Slack Adjuster	Manual (Curved Arm)	2
	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
19A	A31-0301	Slack Adjuster Adaptor Kit		2
20	H30-9401	Hub/Drum Assembly - Short Stud	10 x 225, 17.5"	2
	H30-9401Z	Hub/Drum Assembly - Long Stud		2
	001-70003	Hub/Drum Assembly	3 Spoke, 15"	2
21	H31-9401	Hub Assembly – Short Stud	10 x 225, 17.5"	2
	H31-9401Z	Hub Assembly – Long Stud		2
	001-7000	Hub Assembly	3 Spoke, 15"	2
22	H32-9401	Drum	10 x 225, 17.5"	2
	52743-11		3 Spoke, 15"	2
23	KH800104	Stud (M22 x 100)	10 x 225, 17.5"	20
	KH800239	Stud Long (M22 x 122)		20
	KH800106	Stud ¾" UNC	3 Spoke, 15"	12
24	KH800096	Nut M22 x 32 A/F	10 x 225, 17.5"	20
	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional - 10 x 225, 17.5"	20
	KH800238	Nut M22 x 33 A/F		20
	KH800098	Nut ¾" UNC	3 Spoke, 15"	12
25	NSS	Rim Clamp	3 Spoke, 15"	12
26	H12-0300	Bearing Inner		2
	H12-0400	Bearing Outer		2
27	373-0243	Seal		2
28	H18-0204	Dust Cover		2
29	KH800055	Spring Washer		12

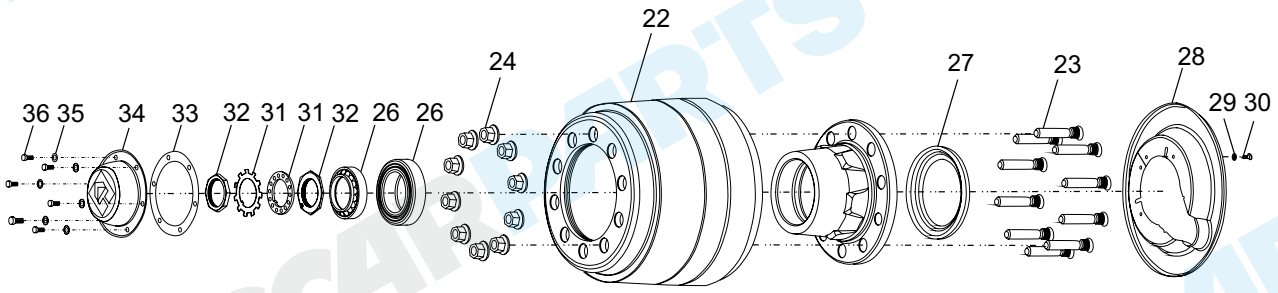
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

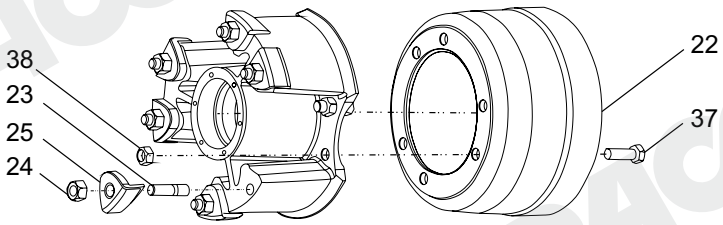
KK44 DRUM BRAKE AXLE CONTINUED

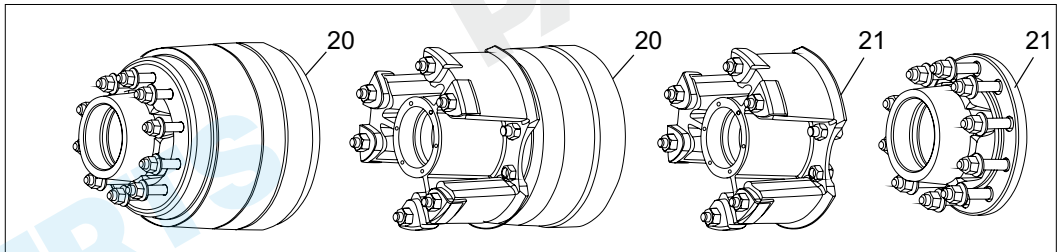
311 x 190mm Q BRAKES - (LOW LOADER) - (15"-17.5") - TN









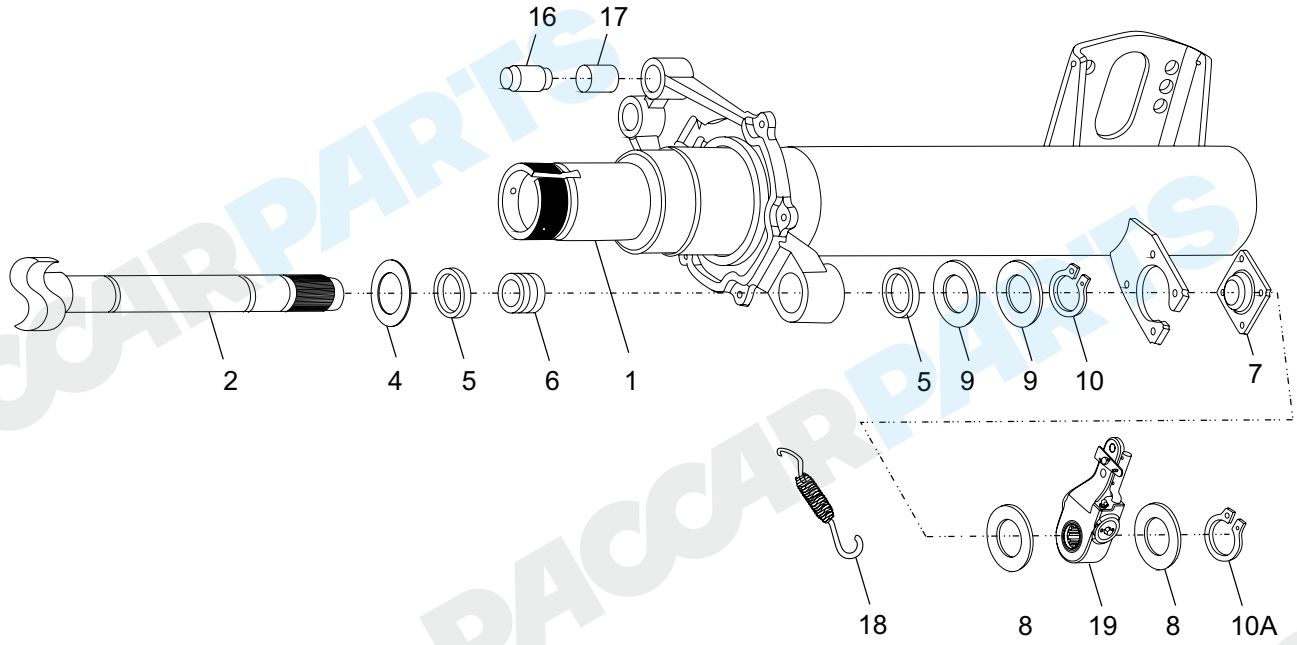


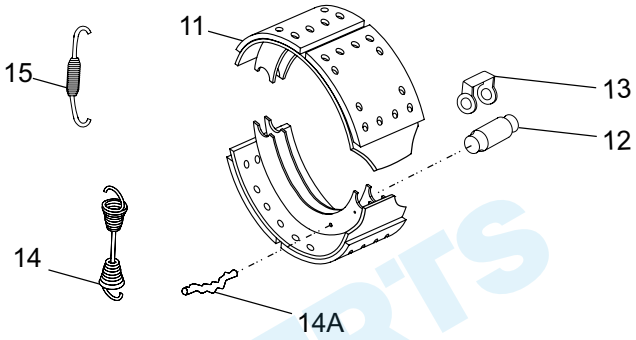
KK44 DRUM BRAKE AXLE CONTINUED
311 x 190mm Q BRAKES - (LOW LOADER) - (15"-17.5") - TN

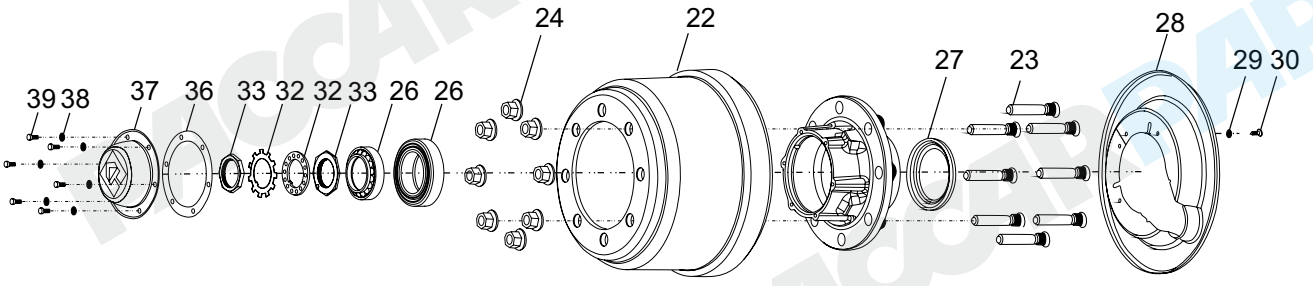
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	M8X16X1.75	Bolt – Dust Cover – M8		12
31	A11-0201	Lock Washer	Contained in Kit C: AXK1T-01	2
	A25-0101	Lock Tab		2
32	A12-0201	Nut Spindle - Inner	Contained in Kit C: AXK1T-01	2
	A24-0101	Nut Spindle - Outer		2
33	330-3009	Gasket - Hub Cap		2
34	KH800110B	Hub Cap – Black – Ø139.7 PCD		2
35	KH800055	Washer - Hub Cap Bolt		12
36	KH800122	Bolt - Hub Cap – 5/16"		12
37	NSS	Bolt – 5/8" UNF x 2" – GR8	3 Spoke, 15"	12
38	NSS	Conelock Nut – 5/8" UNF – GR8	3 Spoke, 15"	12
NS	A15-0101	ABS Sensor Lead (400mm)	Contained in Kit D: ABSK1T-04	2
	A16-0101	Sleeve		2
	H41-0501	ABS Pole Ring – 80 Tooth – Ø162 ID		2

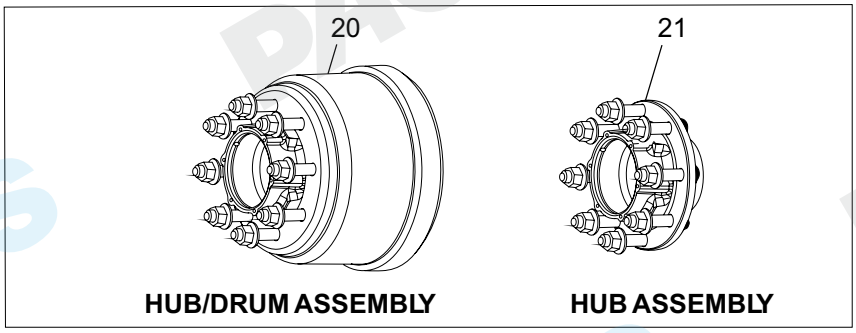
KIT PART NUMBER LISTING				
Kit A	KK44CBK1T	Camshaft Bush Repair Kit (Suit 1 Cam)	Kit Suits: KK44 Axle Includes Item No: 4 - 10A	2
Kit B	D20-050101H	Brake Shoe Hardware Kit	Kit Suits: KK44 Axle - 311mm x 190mm Q Brakes Includes Item No: 12 - 17	2
Kit C	AXK1T-01	Axle Nut Kit - TN	Kit Suits: TN Axle Includes Item No: 31 - 32	2
Kit D	ABSK1T-04	ABS Kit	Kit Suits: KK44 Axle	1

KF37 DRUM BRAKE AXLE
380 x 220mm Q BRAKES - (19.5") - TN





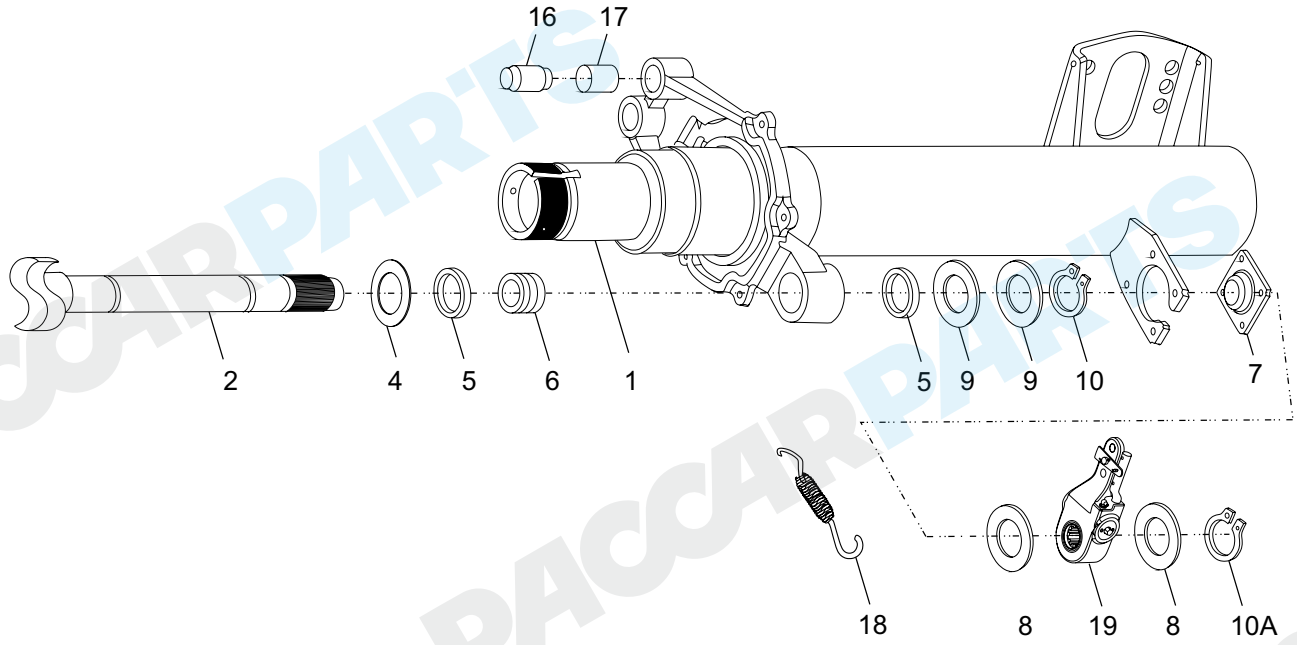


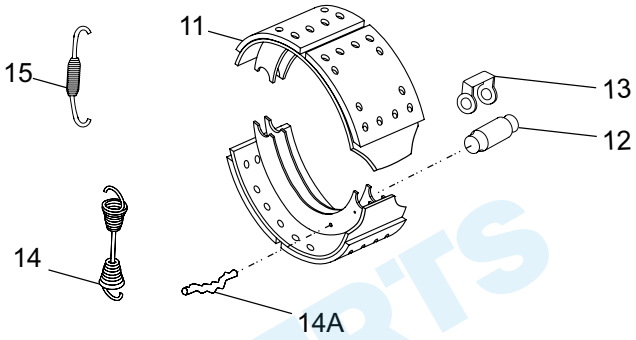


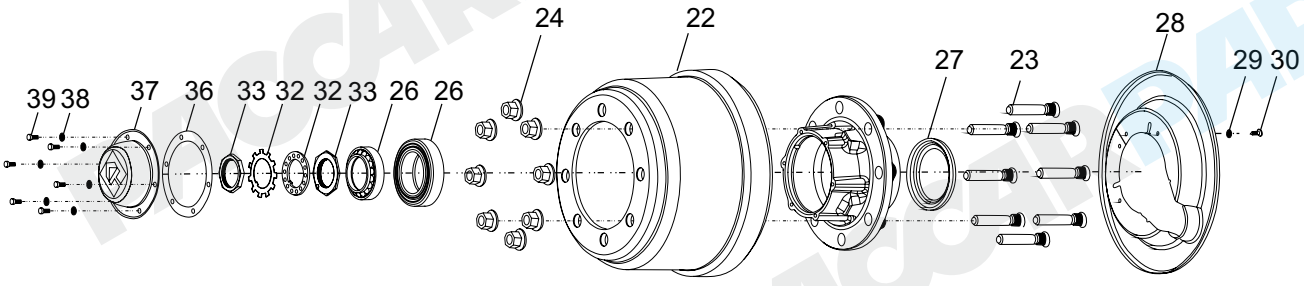
KF37 DRUM BRAKE AXLE
380 x 220mm Q BRAKES - (19.5") - TN

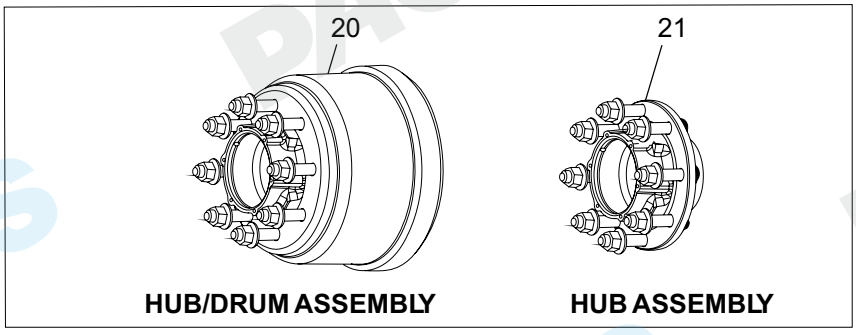
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF37AX12X1820N30	Beam & Cam Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF37AX12X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
	KF37AX13X1820N30	Beam & Brake Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF37AX13X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
2	C11-0602C-618LH	Camshaft – LH (618mm) 1-½" 10 Spline		1
	C11-0602C-618RH	Camshaft – RH (618mm) 1-½" 10 Spline		1
4	C12-0102	Washer, Camshaft Spacer	Contained in Kit A: KF37CBK1T	2
5	C14-0301	Seal, Camshaft		4
6	C13-0301	Camshaft Bush (Spider)		2
7	C20-0201	Bearing Assembly – Camshaft		2
8	C15-0102	Washer, Camshaft Spacer		4
9	C15-0101	Washer, Camshaft Spacer		4
10	C16-0201	Circlip, Camshaft Inner		2
10A	C16-0501	Circlip, Camshaft		2
11	D20-070101	Shoe Set (2)		2
12	NSS	Roller	Contained in Kit B: D20-020101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
	KH278323EF	Positive Lock Slack Adjuster	Manual	2
20	H30-9901	Hub/Drum Assembly – Short Stud		2
	H30-9901Z	Hub/Drum Assembly – Long Stud		2
21	H31-9901	Hub Assembly – Short Stud		2
	H31-9901Z	Hub Assembly – Long Stud		2
22	H32-9901	Drum		2
23	KH800104	Stud Short (M22 x 94)		16
	KH800239	Stud Long (M22 x 122)		16
24	KH800096	Nut M22 x 32 A/F		16
	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional	16
	KH800238	Nut M22 x 33 A/F		16
26	H12-0300	Bearing Inner		2
	H12-0400	Bearing Outer		2
27	373-0243	Seal		2
28	H18-0401	Dust Cover		2
29	KH800055	Spring Washer		12
30	M8X16X1.75	Bolt – Dust Cover – M8		12
32	A11-0201	Lock Washer	Contained in Kit C: AXK1T-01	2
	A25-0101	Lock Tab		2
33	A12-0201	Nut Spindle – Inner	Contained in Kit C: AXK1T-01	2
	A24-0101	Nut Spindle – Outer		2

KF37 DRUM BRAKE AXLE CONTINUED
380 x 220mm Q BRAKES - (19.5") - TN









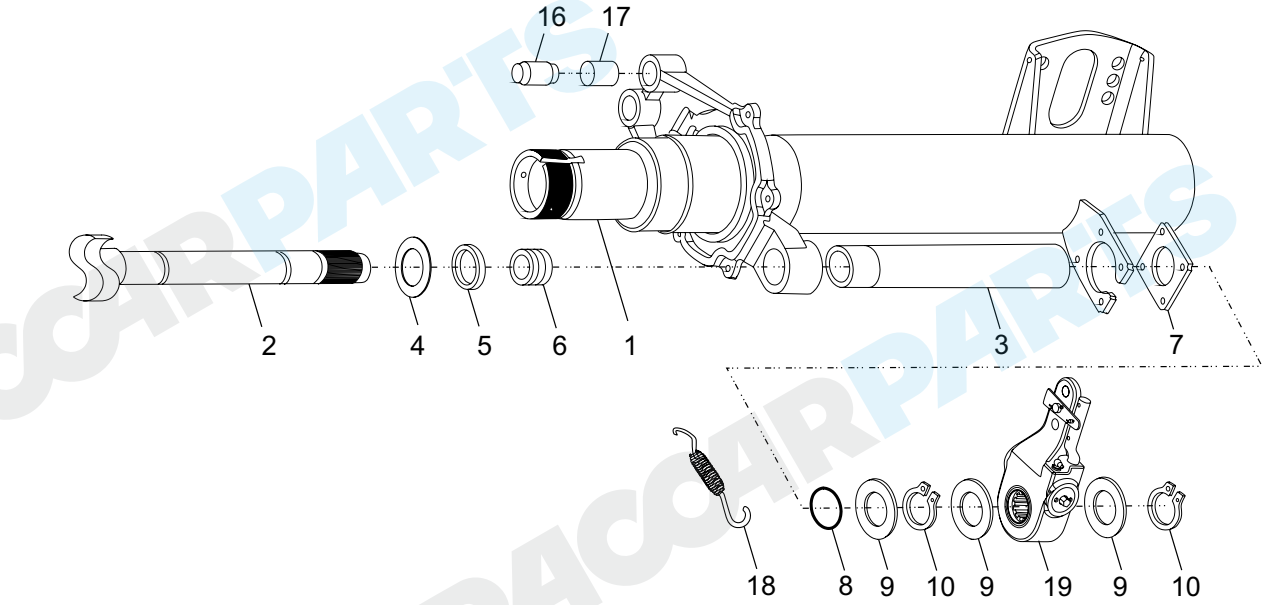
KF37 DRUM BRAKE AXLE CONTINUED
380 x 220mm Q BRAKES - (19.5") - TN

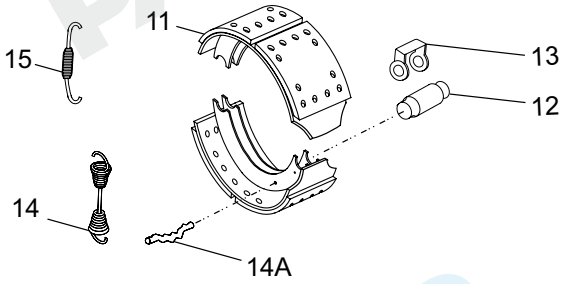
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
36	330-3009	Gasket – Hub Cap		2
37	KH800110B	Hub Cap – Black – Ø139.7 PCD		2
38	KH800055	Washer – Hub Cap Bolt		12
39	KH800122	Bolt – Hub Cap – 5/16"		12
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit D: ABSK1T-01	2
	A16-0101	Sleeve		2
	H41-0201	ABS Pole Ring – 100 Tooth – Ø165 ID		2

KIT PART NUMBER LISTING				
Kit A	KF37CBK1T	Camshaft Bush Repair Kit (Suit 1 Cam)	Kit Suits: KF37 Axle Includes Item No: 4 - 10A	2
Kit B	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF37 Axle - 380mm x 220mm Q Brakes Includes Item No: 12 - 17	2
Kit C	AXK1T-01	Axle Nut Kit - TN	Kit Suits: TN Axle Includes Item No: 32 - 33	2
Kit D	ABSK1T-01	ABS Kit	Kit Suits: TN Axle	1

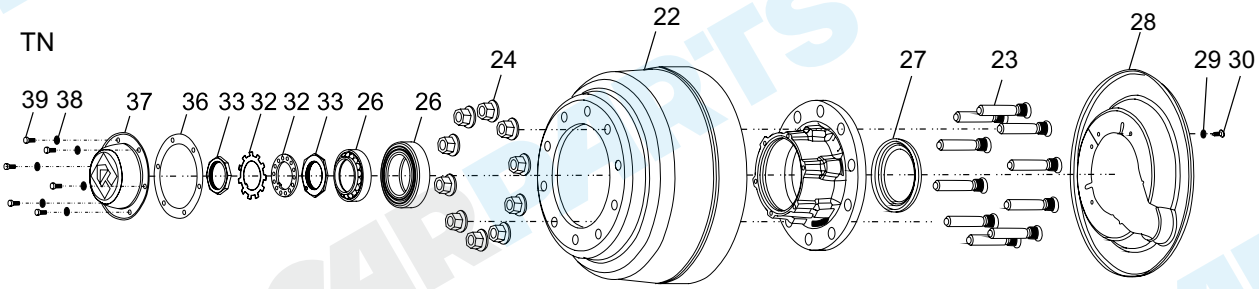
KF22 & KF29 DRUM BRAKE AXLE

420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

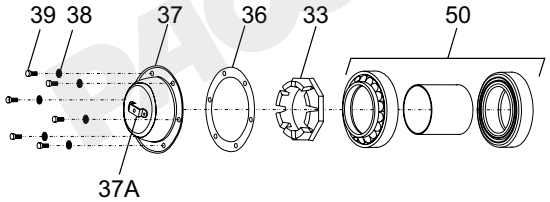


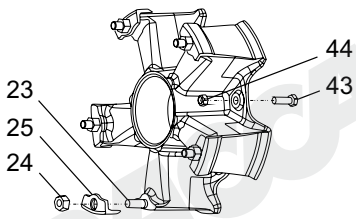


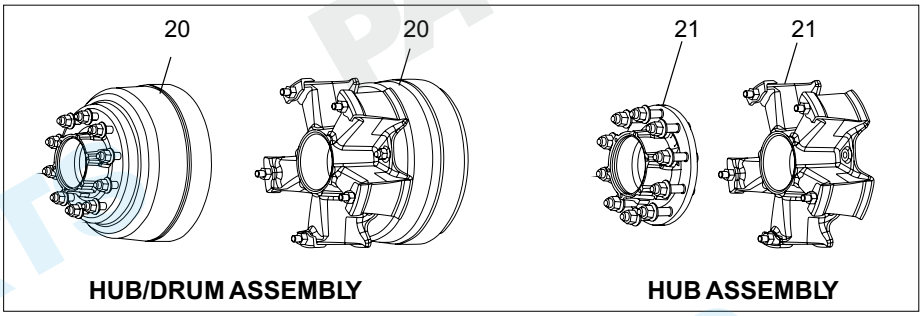
TN



CONMET PRESET-PLUS







KF22 & KF29 DRUM BRAKE AXLE
420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

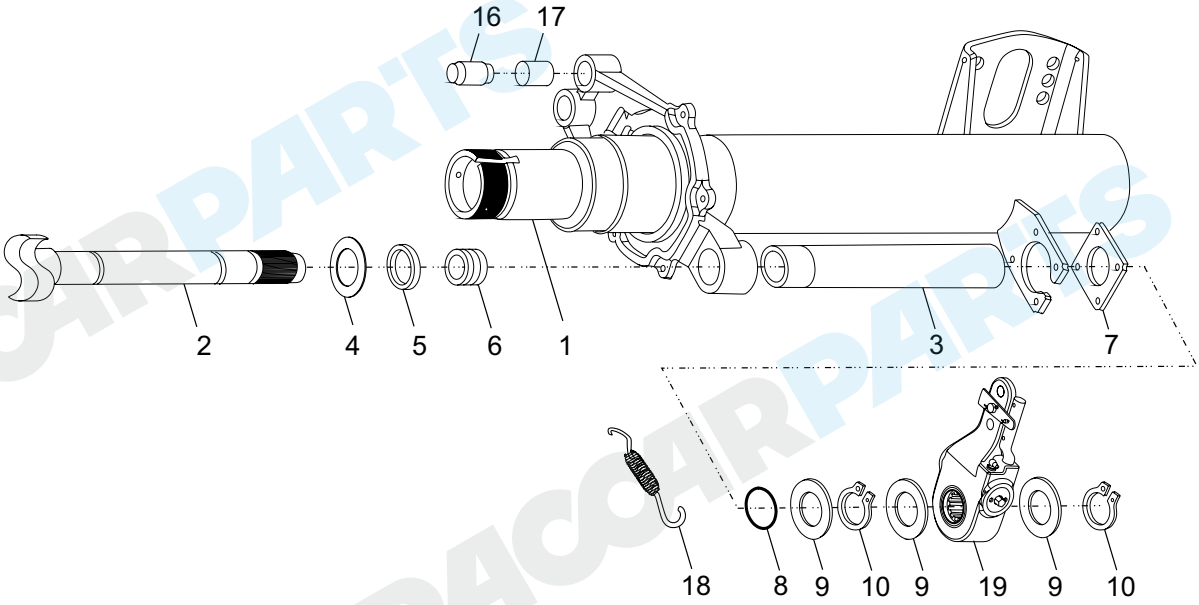
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF22AX12X1820N30	Beam & Cam Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF22AX12X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
	KF22AX13X1820N30	Beam & Brake Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF22AX13X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
2	C11-0201C-604LH	Camshaft – LH (604mm) 10 Spline	1820	1
	C11-0201C-604RH	Camshaft – RH (604mm) 10 Spline		1
	C11-0201C-627LH	Camshaft – LH (627mm) 10 Spline	1850	1
	C11-0201C-627RH	Camshaft – RH (627mm) 10 Spline		1
3	C30-0201-627	Cam Tube Assembly	1850 Contained in Kit A: C30-0201-627K	2
	C30-0201-604		1820 Contained in Kit B: C30-0201-604K	2
4	C15-0102	Washer, Camshaft Spacer	Contained in Kit A: C30-0201-627K & Kit B: C30-0201-604K	2
5	C14-0201	Seal, Spider Bush		2
6	C13-0201	Camshaft Bush (Spider)		2
7	C33-0201	Camshaft, Mounting Plate		2
8	C24-0401	O-Ring, Cam Tube Inner		2
9	C15-0102	Washer, Camshaft Spacer		6
10	C16-0501	Circlip, Camshaft Inner		4
11	NSS	Shoe Set (2)	Contained in Kit E: D20-020101K (Brake Shoe Kit) & Kit F: D20-020104K (Brake Shoe Kit)	2
12		Roller	Contained in Kit E: D20-020101K (Brake Shoe Kit) Kit F: D20-020104K (Brake Shoe Kit) Kit G: D20-020101H (Brake Hardware Kit) & Kit H: D20-020104H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
	KH278323EF	Positive Lock Slack Adjuster	Manual	2
20	KH3600/GF	Hub/Drum Assembly	5 Spoke 22.5"	2
	KH3600-3007	Hub/Drum Assembly - Short Stud	10 x 335 22.5"	2
	KH3600-3007Z	Hub/Drum Assembly - Long Stud		2
	KH3600-3008	Hub/Drum Assembly - Short Stud	10 x 285 22.5"	2
	KH3600-3008Z	Hub/Drum Assembly - Long Stud		2
21	CM10045570	Hub Assembly	ConMet Preset PLUS	2
	KH3601/GF		5 Spoke 22.5"	2
	KH3601-3010	Hub Assembly – Short Stud	10 x 285 22.5"	2
	KH3601-3010Z	Hub Assembly – Long Stud		2
	KH3601-3011	Hub Assembly – Short Stud	10 x 335 22.5"	2
	KH3601-3011Z	Hub Assembly – Long Stud		2

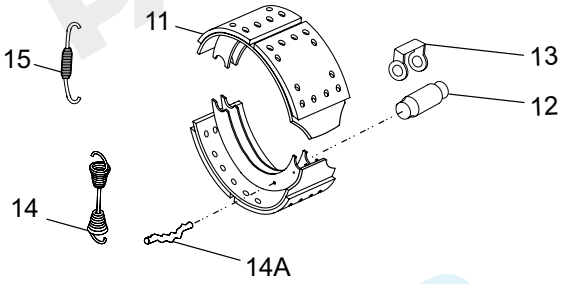
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

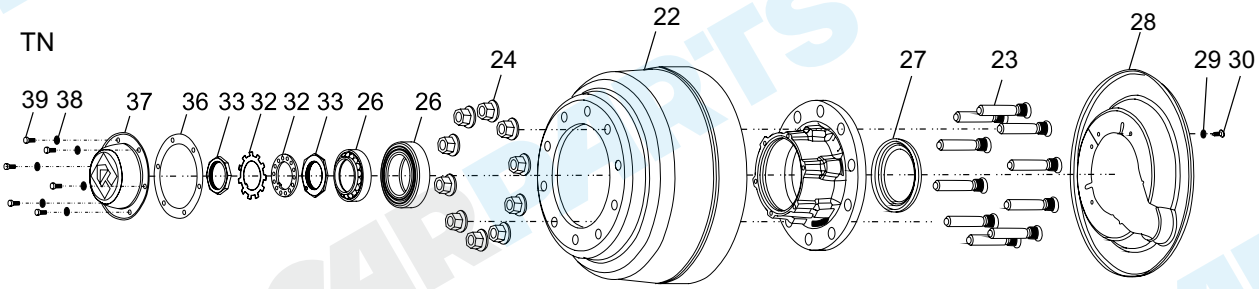
KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

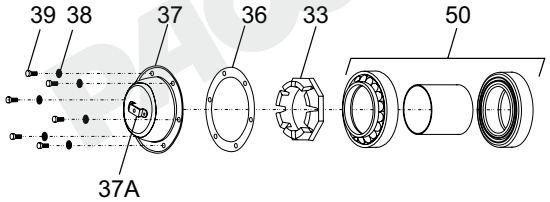


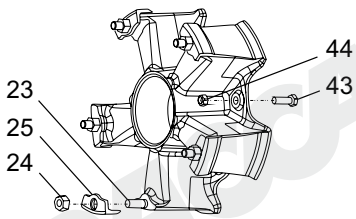


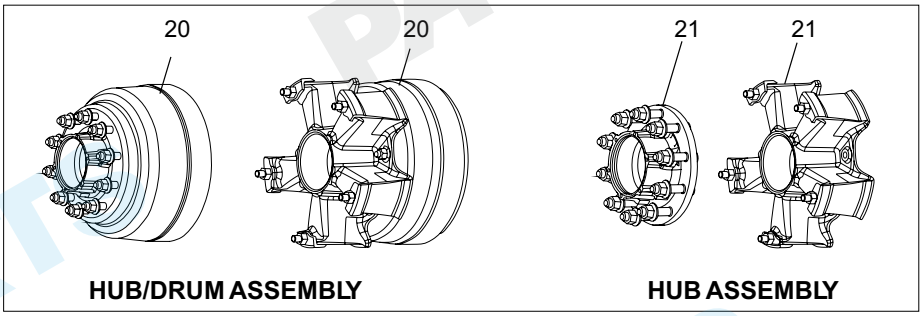
TN



CONMET PRESET-PLUS







KF22 & KF29 DRUM BRAKE AXLE CONTINUED
420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

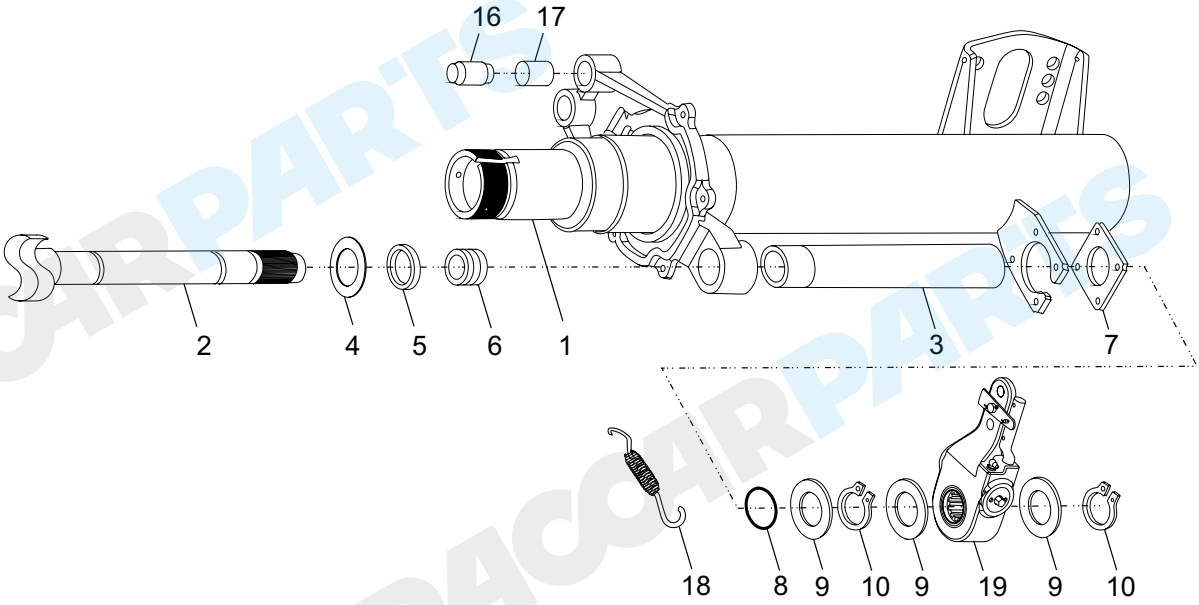
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
22	KH3602/GF	Drum	5 Spoke 22.5"	2
	KH3602-0101		10 x 335 22.5"	2
	KH3602-0303		10 x 285 22.5"	2
23	KH800106	Stud ¾" NC	5 Spoke 22.5"	10
	KH800104	Stud Short (M22 x 94)	10 x 285 22.5", 10 x 335 22.5"	20
	KH800239	Stud Long (M22 x 122)		20
24	H34-0901	Nut M22 x 32 A/F – 50mm	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
	KH800098	Nut ¾" NC	5 Spoke 22.5"	10
	KH800096	Nut M22 x 32 A/F	10 x 285 22.5", 10 x 335 22.5"	20
	KH800238	Nut M22 x 33 A/F	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
25	KH800146	Rim Clamp	5 Spoke 22.5"	10
26	H12-0300	Bearing Inner		2
	H12-0400	Bearing Outer		2
27	373-0243	Seal		2
	CM10045888		ConMet Preset PLUS	2
	CM10081521	Hub Seal & Spacer Kit		2
28	H18-0101	Dust Cover		2
29	KH800055	Spring Washer		12
30	M8X16X1.75	Bolt – Dust Cover – M8		12
32	A11-0201	Lock Washer	Contained in Kit L: AXK1T-01	2
	A25-0101	Lock Tab		2
33	A12-0201	Nut Spindle - Inner	Contained in Kit L: AXK1T-01	2
	A24-0101	Nut Spindle - Outer		2
	CM10036552	Nut Kit	ConMet Preset PLUS	2
36	330-3009	Gasket - Hub Cap		2
37	CM10083537	Hub Cap	ConMet Preset PLUS	2
	KH800110B	Hub Cap – Black – Ø139.7 PCD		2
37A	N300202-003	Hubo Bracket	ConMet Preset PLUS	2
38	KH800055	Washer - Hub Cap Bolt	10 x 285 22.5"	12
39	KH800122	Bolt - Hub Cap – 5/16"	10 x 285 22.5"	12
43	MB907B	Bolt – ¾" UNF x 2-¼" – GR8	5 Spoke 22.5"	10
44	MB907A	Conelock Nut – ¾" UNF – GR8	5 Spoke 22.5"	10
50	CM10081730	Bearing Kit C/W Spacer & Seal	ConMet Preset PLUS - Includes Inner Bearing CM10041935 & Outer Bearing CM10041905	2
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit J: ABSK1T-01	2
	A16-0101	Sleeve		2
	H41-0201	ABS Pole Ring – 100 Tooth – Id Ø165mm ID		2
	B15-0103	Block		2

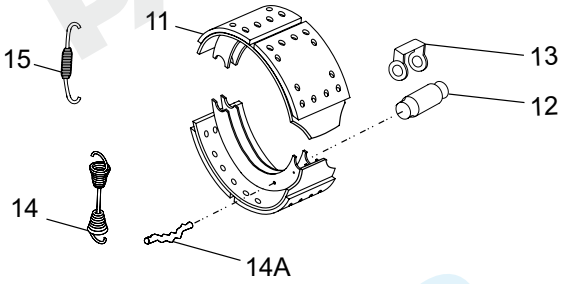
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

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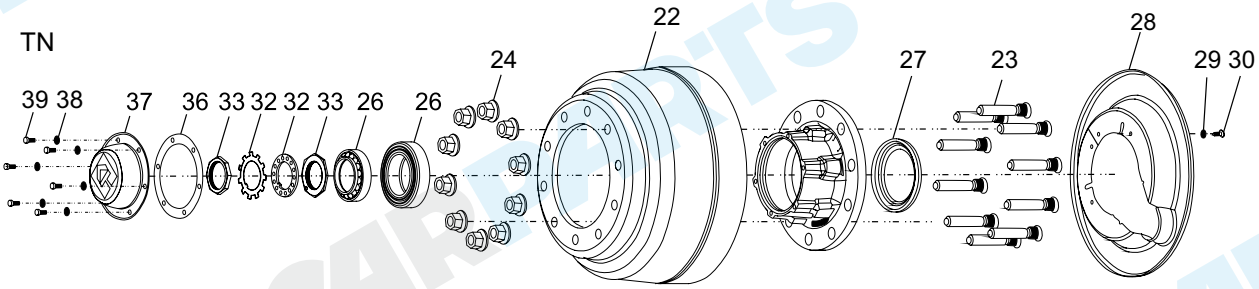
KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

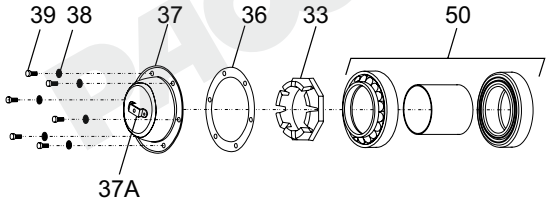


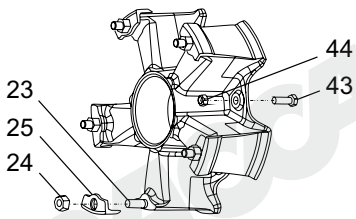


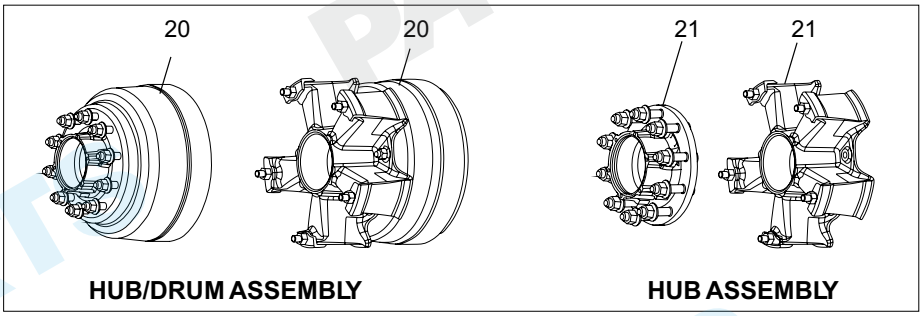
TN



CONMET PRESET-PLUS







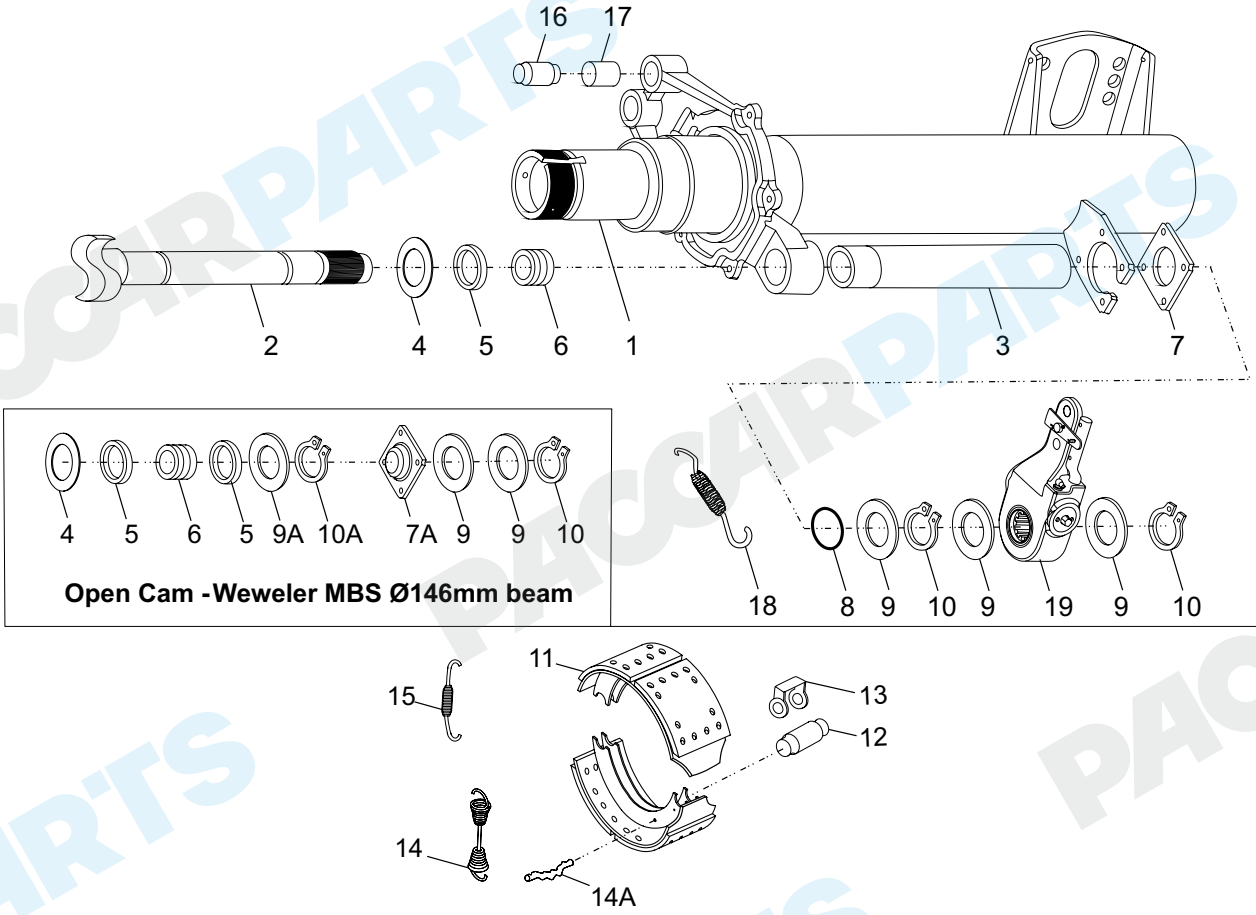
KF22 & KF29 DRUM BRAKE AXLE CONTINUED
420 x 180mm BRAKES - (22.5") - TN, CONMET PRESET PLUS

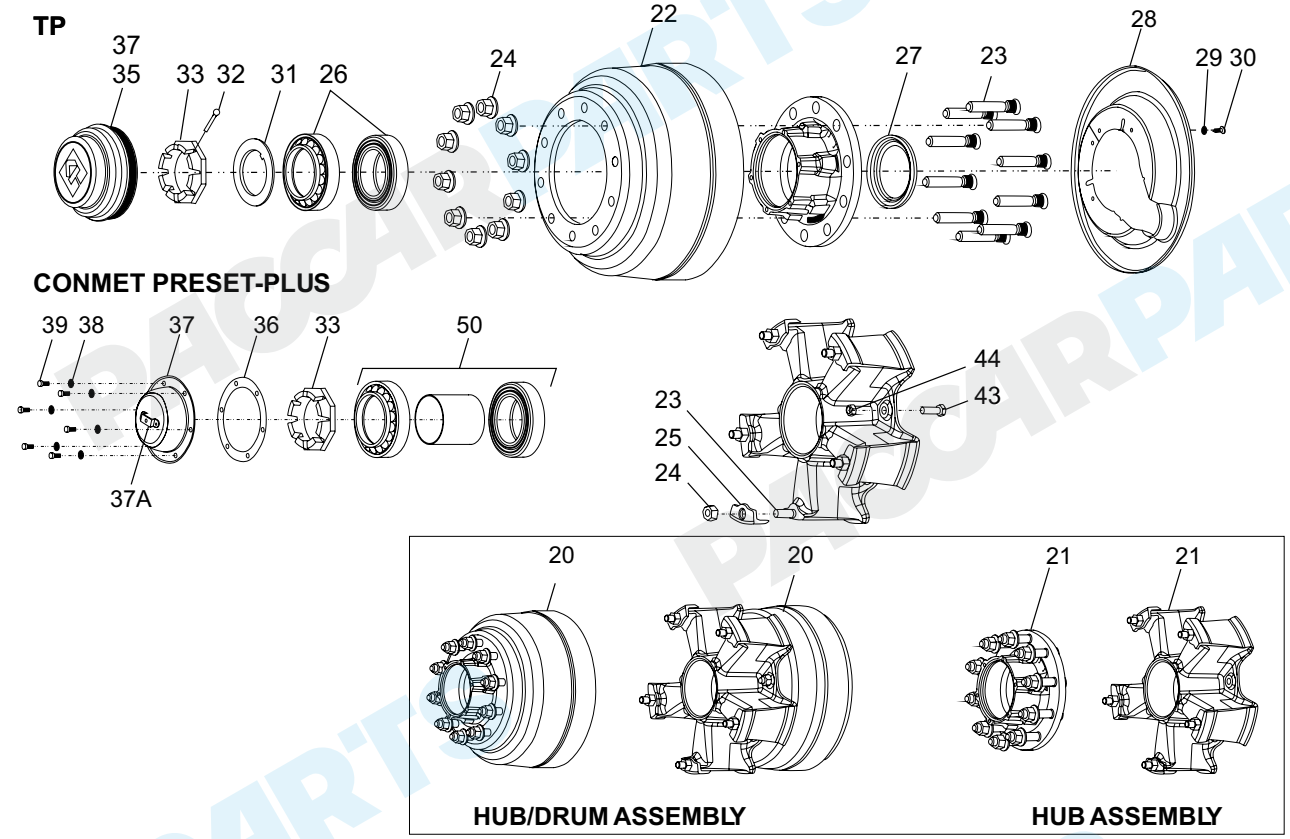
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
KIT PART NUMBER LISTING				
Kit A	C30-0201-627K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TN/TP 1,850mm Track Axle Includes Item No: 3 - 10	2
Kit B	C30-0201-604K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TN/TP 1,820mm Track Axle & Unitised 1,850mm Track Axle Includes Item No: 3 - 10	2
Kit D	C13-0201K	Cam Bush Kit	Kit Suits: KF22/KF29 Axle Includes Item No: 4 - 6, 8 - 10	2
Kit E	D20-020101K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Includes Item No: 11 - 17	2
Kit F	D20-020104K	Brake Shoe Kit (1 Wheel) Long Pin 'P' Brake	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Includes Item No: 11 - 17	2
Kit G	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Contained in: Kit D: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit H	D20-020104H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Contained in: Kit E: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit J	ABSK1T-01	ABS Kit	Kit Suits: TN/TP Axle	1
Kit L	AXK1T-01	Axle Nut Kit - TN	Kit Suits: TN Axle Includes Item No: 32 - 33	2

KF22 Axles use Q Brakes, KF29 Axles use P Brakes

KF22 & KF29 DRUM BRAKE AXLE

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS





KF22 & KF29 DRUM BRAKE AXLE

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS

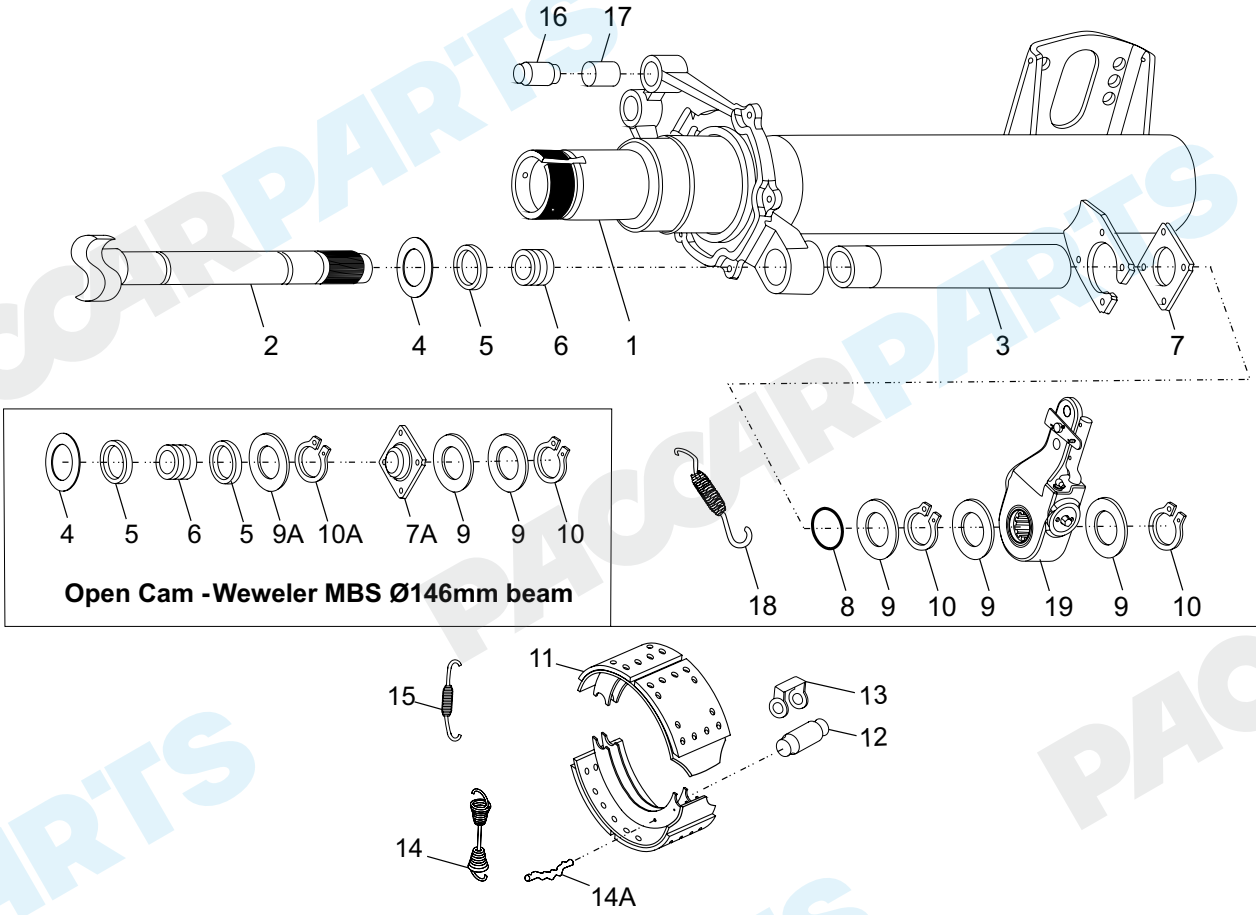
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF22BX12X1820N30	Beam & Cam Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF22BX12X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
	FP26GP05BB	Beam & Brake Assembly	1850 MBS Ø146 - Sold as Axle Assy, PN for ref only	1
	KF22BX13X1820N30		1820 - Sold as Axle Assy, PN for ref only	1
	KF22BX13X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
2	C11-0201C-604LH	Camshaft – LH (604mm) 10 Spline	1820	1
	C11-0201C-604RH	Camshaft – RH (604mm) 10 Spline		1
	C11-0201C-627LH	Camshaft – LH (627mm) 10 Spline	1850 & MBS Ø146	1
	C11-0201C-627RH	Camshaft – RH (627mm) 10 Spline		1
3	C30-0201-627	Cam Tube Assembly	1850 Contained in Kit A: C30-0201-627K	2
	C30-0201-604		1820 Contained in Kit B: C30-0201-604K	2
4	C12-0102	Washer, Camshaft Spacer	1850 MBS Ø146	2
	C15-0102			2
5	C14-0201	Seal, Spider Bush		2
	C14-0301		1850 MBS Ø146	4
6	C13-0201	Camshaft Bush (Spider)		2
	C13-0301		1850 MBS Ø146	2
7	C33-0201	Camshaft, Mounting Plate		2
7A	C20-0201	Bearing Assembly	1850 MBS Ø146	2
8	C24-0401	O-Ring, Cam Tube Inner		2
9	C15-0102	Washer, Camshaft Spacer	Qty 4 with 1850 MBS Ø146	6
9A	C15-0101	Washer, Camshaft Spacer	1850 MBS Ø146	2
10	C16-0501	Circlip, Camshaft Inner	Qty 2 with 1850 MBS Ø146	4
10A	C16-0201	Circlip, Camshaft Inner	1850 MBS Ø146	2
11	NSS	Shoe Set (2)	Contained in Kit E: D20-020101K (Brake Shoe Kit) & Kit F: D20-020104K (Brake Shoe Kit)	2
12		Roller	Contained in Kit E: D20-020101K (Brake Shoe Kit) Kit F: D20-020104K (Brake Shoe Kit) Kit G: D20-020101H (Brake Hardware Kit) & Kit H: D20-020104H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
	KH278323EF	Positive Lock Slack Adjuster	Manual	2
20	KH3600/FF	Hub/Drum Assembly	5 Spoke 22.5"	2
	KH3600-0103	Hub/Drum Assembly - Short Stud	10 x 335 22.5"	2
	KH3600-0103Z	Hub/Drum Assembly - Long Stud		2
	KH3600-0303	Hub/Drum Assembly - Short Stud	10 x 285 22.5"	2
	KH3600-0303Z	Hub/Drum Assembly - Long Stud		2

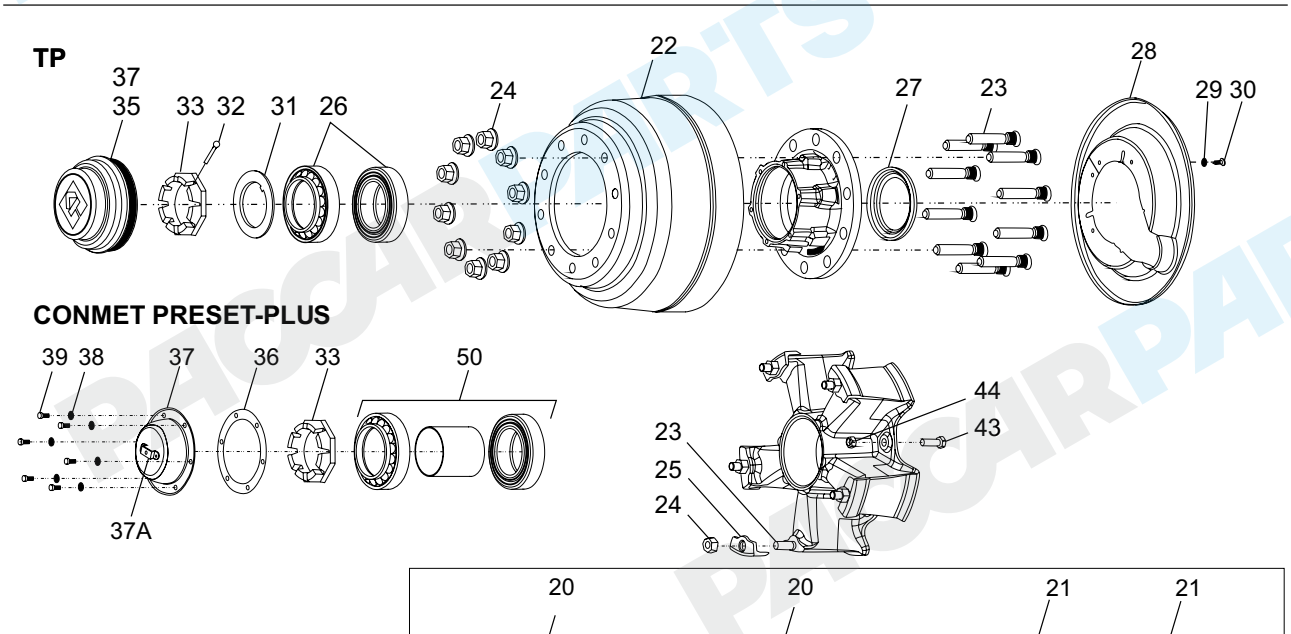
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

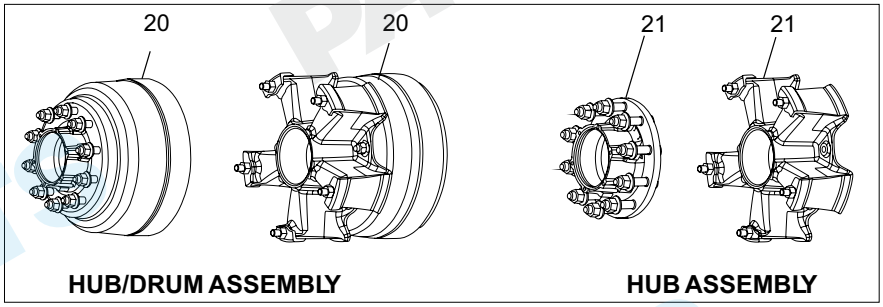
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KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS







KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS

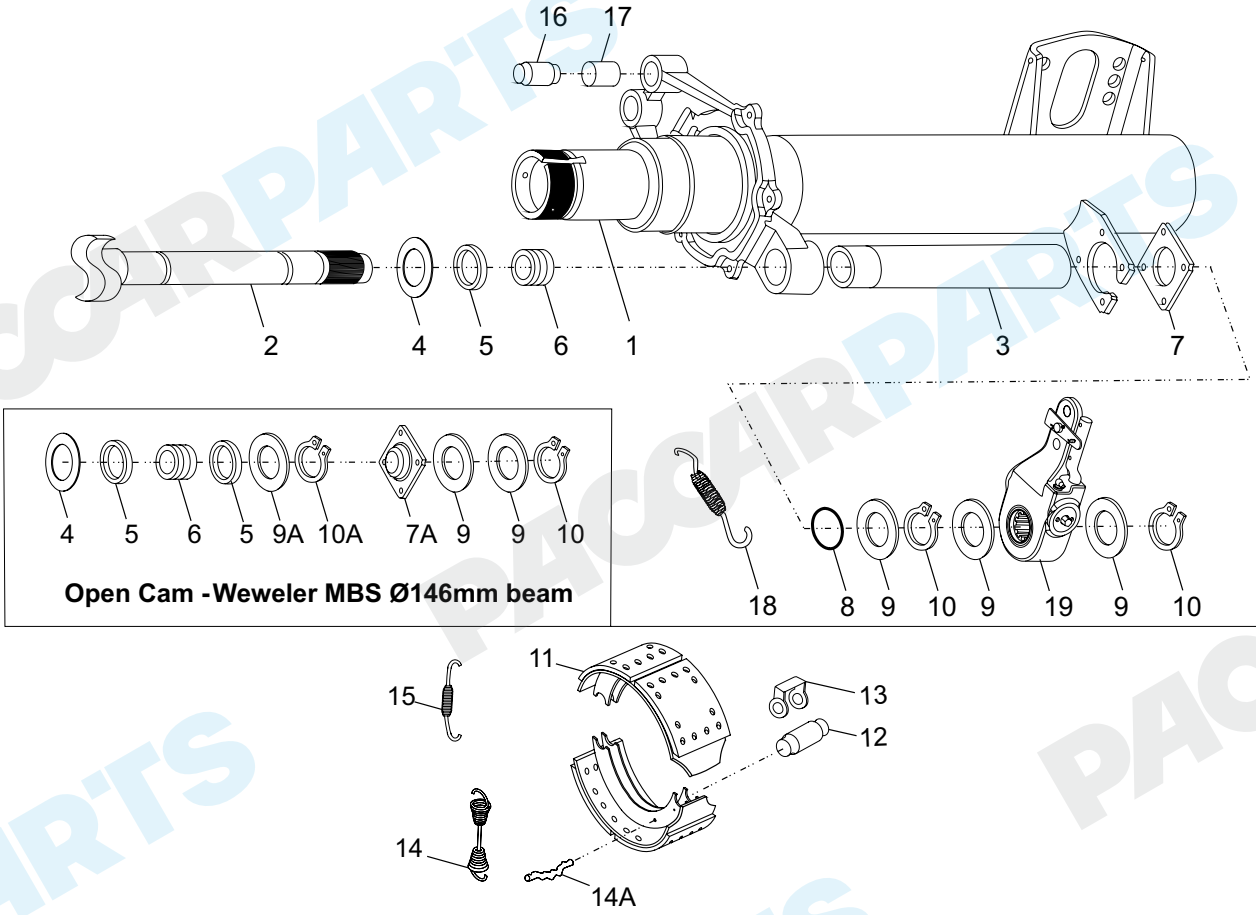
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
21	CM10082229	Aluminium Hub C/W Long Studs, Bearings, Spacer & Seal	ConMet Preset PLUS - Casting Number: 10033028 (Used For Lube Volume)	2
	CM10045398	Iron Hub C/W Long Studs, Bearings, Spacer & Seal	ConMet Preset PLUS - Casting Number: 10033241 (Used For Lube Volume)	2
	KH3601/FF	Hub Assembly	5 Spoke 22.5"	2
	KH3601-0101	Hub Assembly – Short Stud	10 x 335 22.5"	2
	KH3601-0101Z	Hub Assembly – Long Stud		2
	KH3601-0302	Hub Assembly – Short Stud	10 x 285 22.5"	2
	KH3601-0302Z	Hub Assembly – Long Stud		2
22	CM10037763	True Turn 10 x 285	ConMet Preset PLUS	2
	KH3602/FF	Drum	5 Spoke 22.5"	2
	KH3602-0101		10 x 335 22.5"	2
	KH3602-0303		10 x 285 22.5"	2
23	102292	Stud Long (M22 x 1.5 x 136mm)	ConMet Preset PLUS	20
	KH800106	Stud ¾" NC	5 Spoke 22.5"	10
	KH800104	Stud Short (M22 x 94)	10 x 285 22.5", 10 x 335 22.5"	20
	KH800239	Stud Long (M22 x 122)		20
24	H34-0901	Nut M22 x 32 A/F – 50mm	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
	KH800098	Nut ¾" NC	5 Spoke 22.5"	10
	KH800096	Nut M22 x 32 A/F	10 x 285 22.5", 10 x 335 22.5"	20
	KH800238	Nut M22 x 33 A/F	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
25	KH800146	Rim Clamp	5 Spoke 22.5"	10
26	H12-0100	Bearing Inner		2
	H12-0100	Bearing Outer		2
27	373-0223	Seal		2
	CM10045889			2
	CM10081522	Hub Seal & Spacer Kit		2
28	H18-0101	Dust Cover		2
29	KH800055	Spring Washer		12
30	M8X16X1.75	Bolt – Dust Cover – M8		12
31	A11-0101	Washer Bearing	Contained in Kit M: AXK1T-02	2
32	A13-0101	Cotter Pin		2
33	CM10036553	Nut Kit		2
	A12-0101	Nut Spindle	ConMet Preset PLUS	2
35	H15-0201	O-Ring – Hub Cap		2
36	CM10001223	Hub Cap Gasket	ConMet Preset PLUS	2
37	CM10085634	Hub Cap	ConMet Preset PLUS	2
	KH800205B	Hub Cap – Screw On – Black		2
37A	N300202-003	Hubo Bracket	ConMet Preset PLUS	As required
38	KH800055	Washer - Hub Cap Bolt		12
39	KH800122	Bolt - Hub Cap – 5/16"		12
43	MB907B	Bolt – ¾" UNF x 2-¼" – GR8	5 Spoke 22.5"	10
44	MB907A	Conelock Nut – ¾" UNF – GR8	5 Spoke 22.5"	10

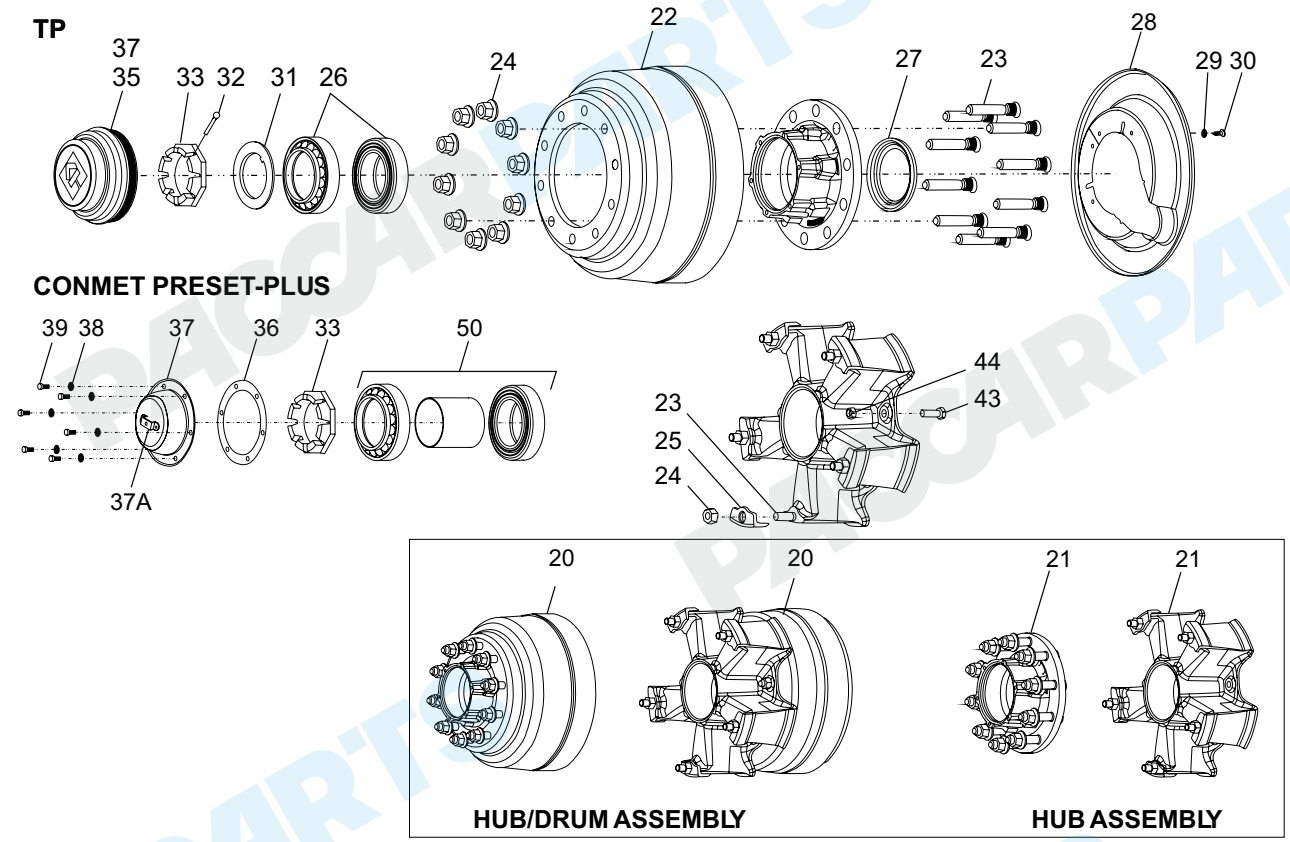
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

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KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS





KF22 & KF29 DRUM BRAKE AXLE CONTINUED

420 x 180mm BRAKES - (22.5") - TP & MBS Ø146, CONMET PRESET PLUS

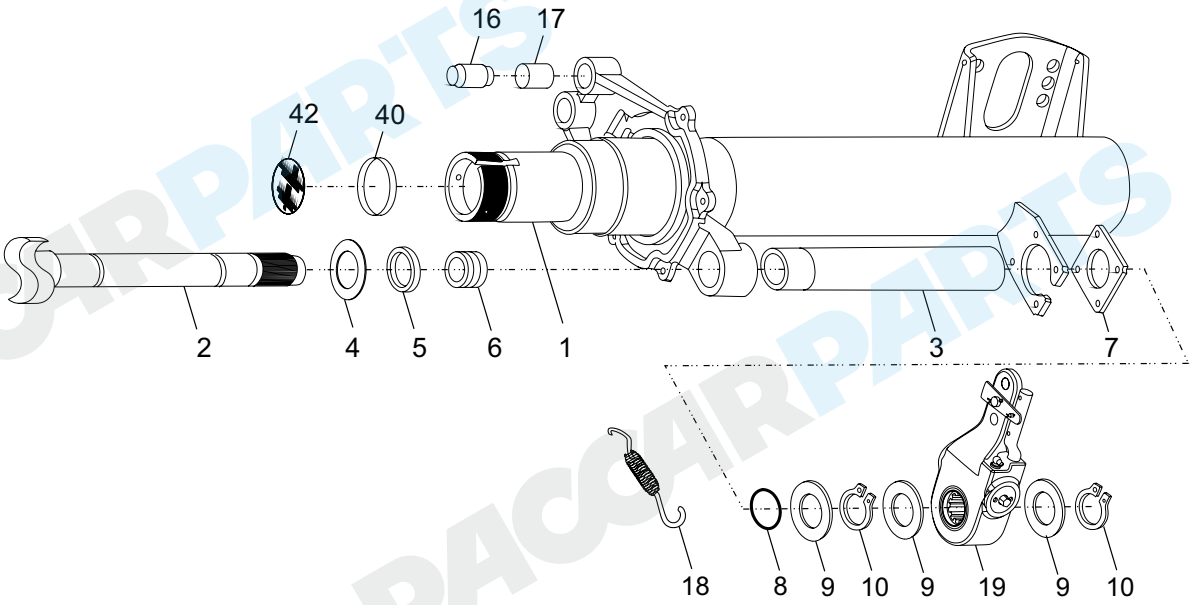
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
50	CM10081731	Bearing Kit C/W Spacer & Seal	ConMet Preset PLUS	2
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit J: ABSK1T-01	2
	A16-0101	Sleeve		2
	H41-0201	ABS Pole Ring – 100 Tooth – ID Ø165mm		2
	B15-0103	Block		2

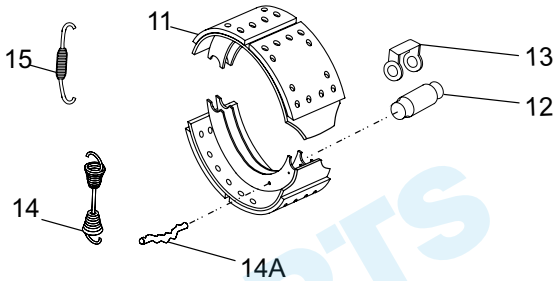
KIT PART NUMBER LISTING				
Kit A	C30-0201-627K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TN/TP 1,850mm Track Axle Includes Item No: 3 - 7, 8, 9, 10	2
Kit B	C30-0201-604K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TN/TP 1,820mm Track Axle & Unitised 1850mm Track Axle Includes Item No: 3 - 7, 8, 9, 10	2
Kit D	C13-0201K	Cam Bush Kit	Kit Suits: KF22/KF29 Axle Includes Item No: 4 - 6, 8 - 10	2
Kit E	D20-020101K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Includes Item No: 11 - 17	2
Kit F	D20-020104K	Brake Shoe Kit (1 Wheel) Long Pin 'P' Brake	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Includes Item No: 11 - 17	2
Kit G	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Contained in Kit D: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit H	D20-020104H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Contained in Kit E: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit J	ABSK1T-01	ABS Kit	Kit Suits: TN/TP Axle	1
Kit M	AXK1T-02	Axle Nut Kit - TP	Kit Suits: TP Axle Includes Item No: 31 - 33	2

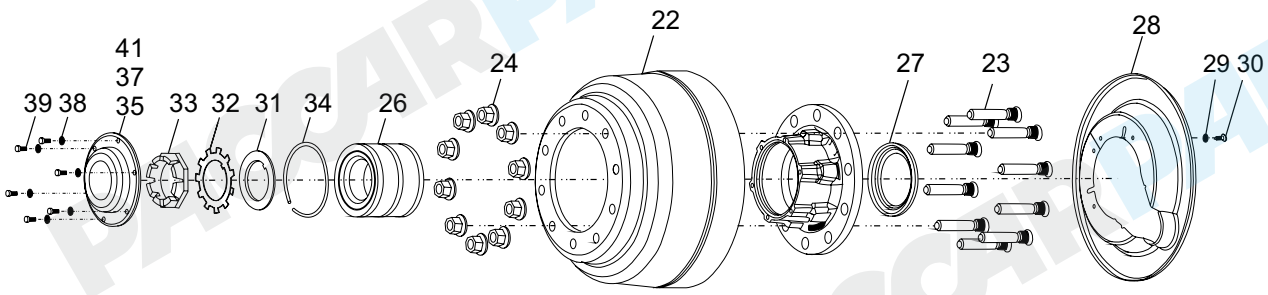
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

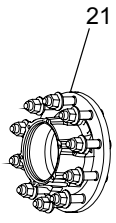
KF22 & KF29 DRUM BRAKE AXLE

420 x 180mm BRAKES - (22.5″) - UNITISED









HUB ASSEMBLY

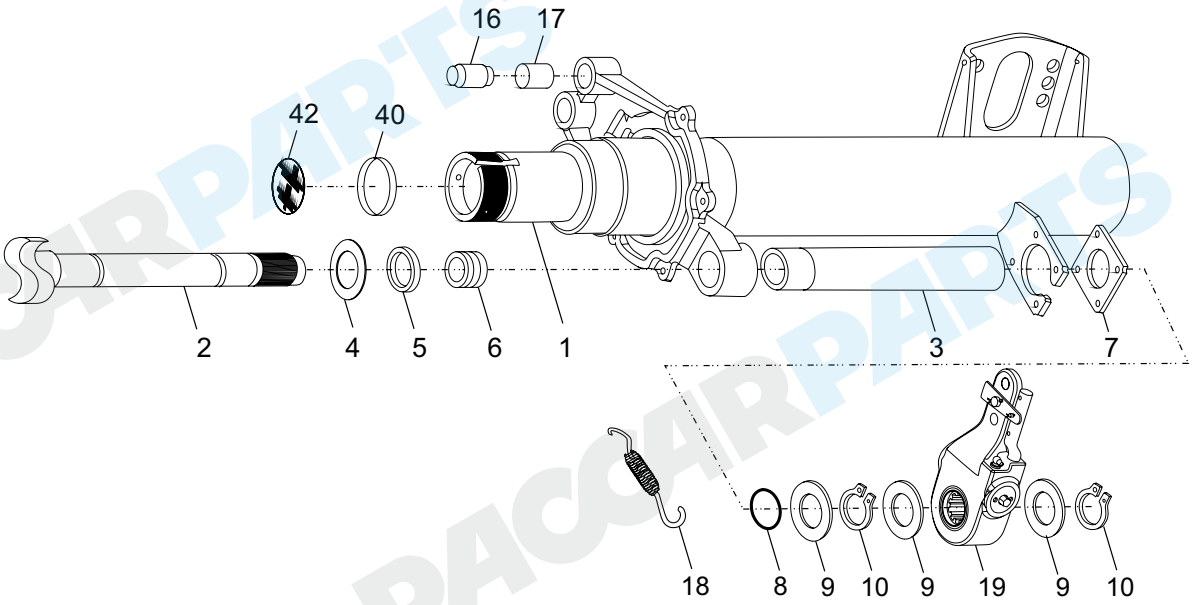
KF22 & KF29 DRUM BRAKE AXLE
420 x 180mm BRAKES - (22.5") - UNITISED

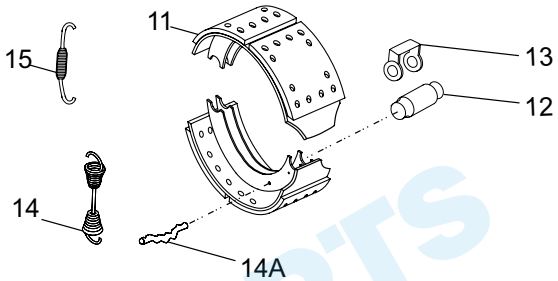
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF22FX13X1820N30	Beam & Brake Assembly	1820 - Sold as Axle Assy, PN for ref only	1
	KF22FX13X1850N30		1850 - Sold as Axle Assy, PN for ref only	1
2	C11-0201C-589LH	Camshaft – LH (589mm) 10 Spline	1820	1
	C11-0201C-589RH	Camshaft – RH (589mm) 10 Spline		1
	C11-0201C-604LH	Camshaft – LH (604mm) 10 Spline	1850	1
	C11-0201C-604RH	Camshaft – RH (604mm) 10 Spline		1
3	C30-0201-604	Cam Tube Assembly	1850 Contained in Kit B: C30-0201-604K	2
	C30-0201-589		1820 Contained in Kit C: C30-0201-589K	2
4	C15-0102	Washer, Camshaft Spacer		2
5	C14-0201	Seal, Spider Bush		2
6	C13-0201	Camshaft Bush (Spider)		2
7	C33-0201	Camshaft, Mounting Plate		2
8	C24-0401	O-Ring, Cam Tube Inner		2
9	C15-0102	Washer, Camshaft Spacer		6
10	C16-0501	Circlip, Camshaft Inner		4
11	NSS	Shoe Set (2)	Contained in: Kit E: D20-020101K (Brake Shoe Kit) & Kit F: D20-020104K (Brake Shoe Kit)	2
12		Roller	Contained in: Kit E: D20-020101K (Brake Shoe Kit) Kit F: D20-020104K (Brake Shoe Kit) Kit G: D20-020101H (Brake Hardware Kit) & Kit H: D20-020104H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	ASC21112	Auto Slack Adjuster	Automatic (Optional)	2
	KH278323EF	Positive Lock Slack Adjuster	Manual	2
21	H31-0521	Hub Assembly – Long Stud	10 x 285 , 22.5"	2
	NSS	Hub Assembly – Short Stud		2
22	KH3602-0303	Drum		2
23	KH800104	Stud Short (M22 x 94)		20
	KH800239	Stud Long (M22 x 122)		20
24	H34-0901	Nut M22 x 32 A/F – 50mm	Optional - 10 x 285 22.5"	20
	KH800096	Nut M22 x 32 A/F	10 x 285 , 22.5"	20
	KH800238	Nut M22 x 33 A/F	Optional - 10 x 285 22.5"	20
26	BTH-0500	Bearing Cartridge (11T)	10X285 , 22.5", Contained in: Kit P: AXK1T-04 (Wheel Bearing & Seal Kit)	2
27	393-0273	Seal (Axles Build Before 2012)	10 x 285 , 22.5" - Before 2012	2
	809	Seal (Axles Build From 2012)	10X285 , 22.5" - From 2012, Contained in: Kit P: AXK1T-04 (Wheel Bearing & Seal Kit)	2
28	H18-0101	Dust Cover		2
29	KH800055	Spring Washer		12

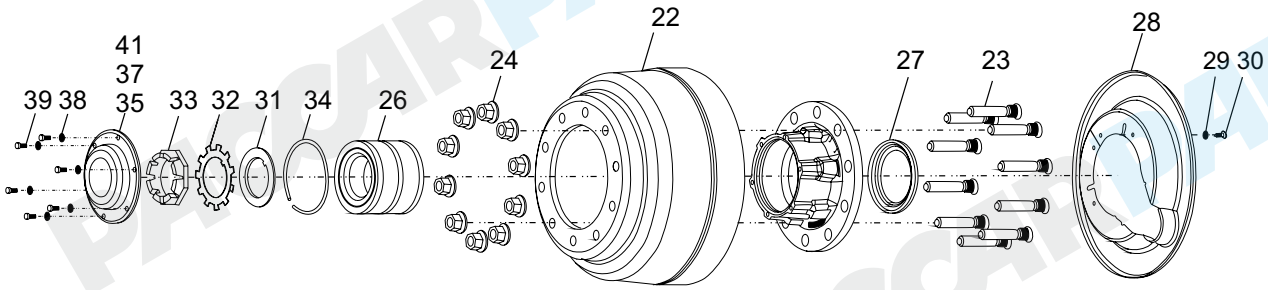
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

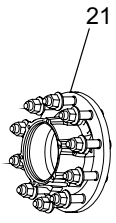
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KF22 & KF29 DRUM BRAKE AXLE CONTINUED
420 x 180mm BRAKES - (22.5") - UNITISED









HUB ASSEMBLY

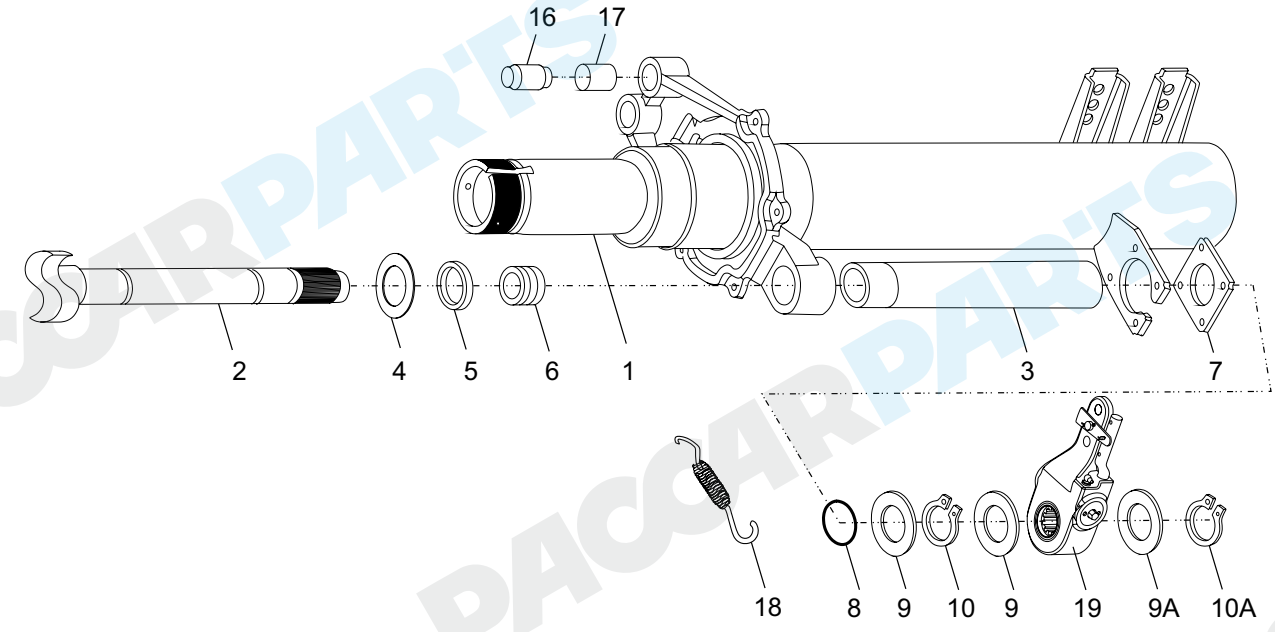
KF22 & KF29 DRUM BRAKE AXLE CONTINUED
420 x 180mm BRAKES - (22.5") - UNITISED

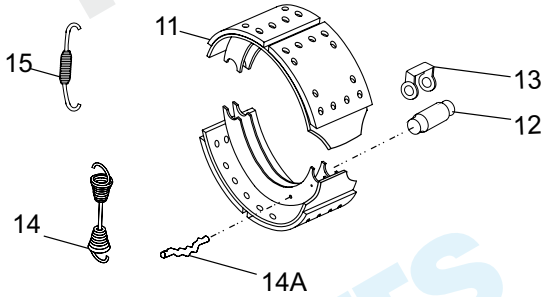
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	M8X16X1.75	Bolt – Dust Cover – M8		12
31	A11-0101	Washer Bearing	10X285 , 22.5" Contained in: Kit N: AXK1T-03 (Axle Nut Kit) & Kit P: AXK1T-04 (Wheel Bearing & Seal Kit)	2
32	N300002-002	Lock Tab		2
33	A12-0101	Nut Spindle		2
34	CRS.S	Snap Ring	10 x 285, 22.5", Contained in: Kit P: AXK1T-04 (Wheel Bearing & Seal Kit)	2
35	N300015-002	O-Ring – Hub Cap		2
37	N300016-002	Hub Cap – Aluminium – Ø179 PCD	10 x 285, 22.5"	2
38	KH800055	Washer - Hub Cap Bolt		12
39	KH800122	Bolt - Hub Cap – 5/16"		12
40	STP275	Decal Cap		2
41	10002	Fuwa Badge		2
42	FHD046	Decal		2
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit K: ABSK1T-02	2
	A16-0101	Sleeve		2
	H41-0701	ABS Pole Ring – 100 Tooth – Ø168 ID		2
	B15-0103	Block		2

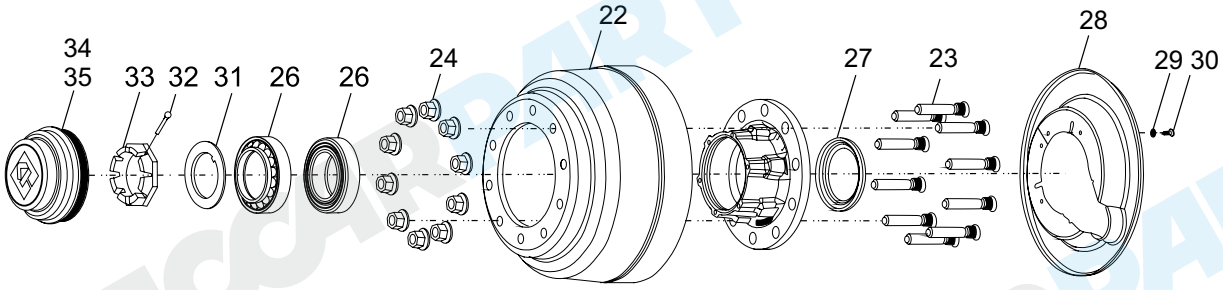
KIT PART NUMBER LISTING				
Kit B	C30-0201-604K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TN/TP 1,820mm Track Axle & Unitised 1,850mm Track Axle Includes Item No: 3 - 10	2
Kit C	C30-0201-589K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: Unitised 1,820mm Track Axle Includes Item No: 3 - 10	2
Kit D	C13-0201K	Cam Bush Kit	Kit Suits: KF22/KF29 Axle Includes Item No: 4 - 6, 8 - 10	2
Kit E	D20-020101K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Includes Item No: 11 - 17	2
Kit F	D20-020104K	Brake Shoe Kit (1 Wheel) Long Pin 'P' Brake	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Includes Item No: 11 - 17	2
Kit G	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF22 Axle - 420mm x 180mm Q Brakes Contained in Kit D: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit H	D20-020104H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF29 Axle - 420mm x 180mm P Brakes Contained in Kit E: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit K	ABSK1T-02	ABS Kit	Kit Suits: Unitised Axle	1
Kit N	AXK1T-03	Axle Nut Kit	Kit Suits: Unitised 11T Axle Contained in Kit N: AXK1T-04 Includes Item No: 31 - 33	2
Kit P	AXK1T-04	Wheel Bearing & Seal Kit	Kit Suits: Unitised 11T Axle Includes Item No: 26,27, 31 - 35	2

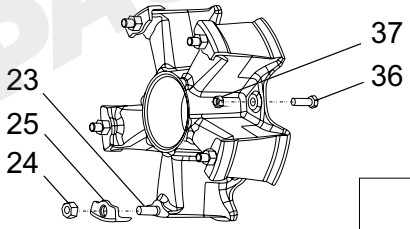
KF22 Axles use Q Brakes, KF29 Axles use P Brakes

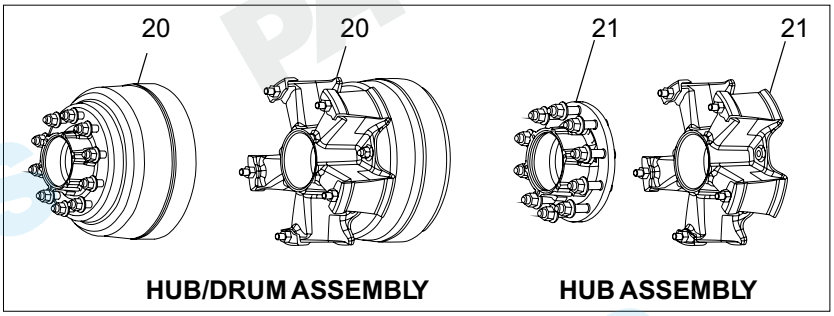
KF21 HD DRUM BRAKE AXLE
420 x 180mm XEM BRAKES - (22.5") - TP









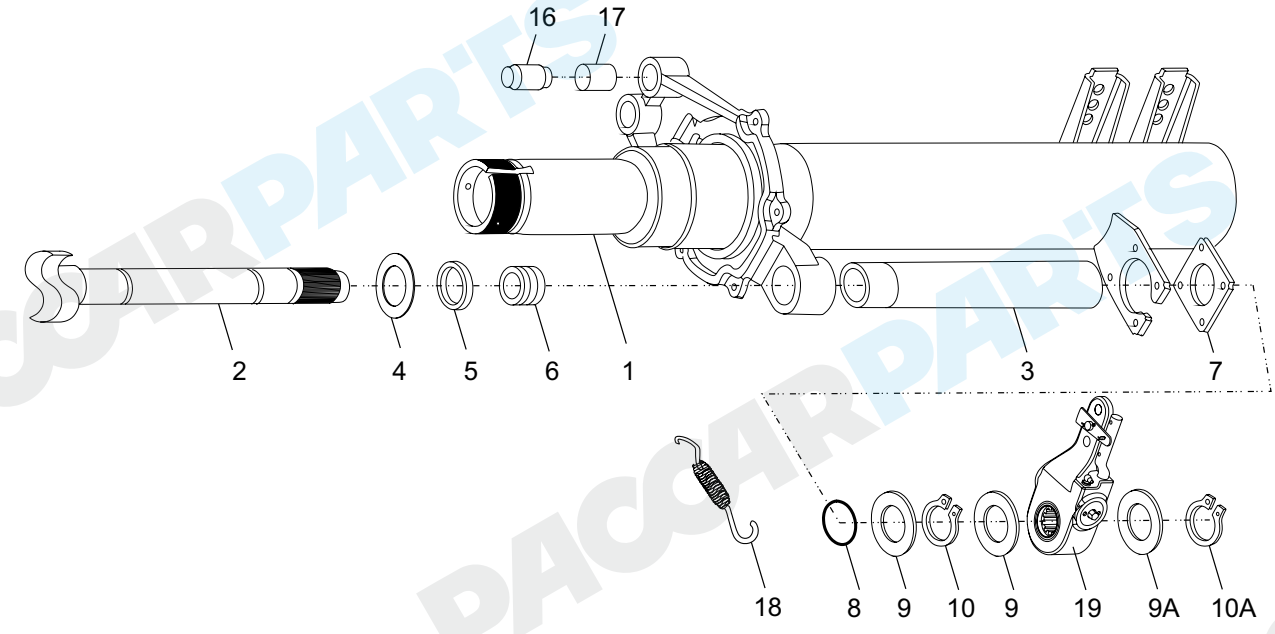


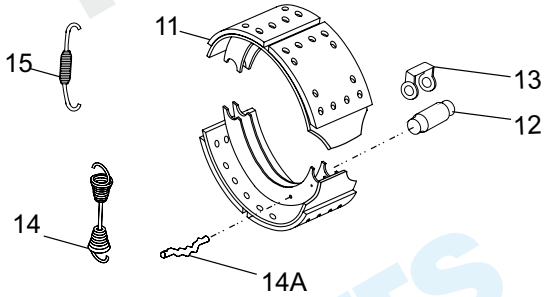
KF21 HD DRUM BRAKE AXLE
420 x 180mm XEM BRAKES - (22.5") - TP

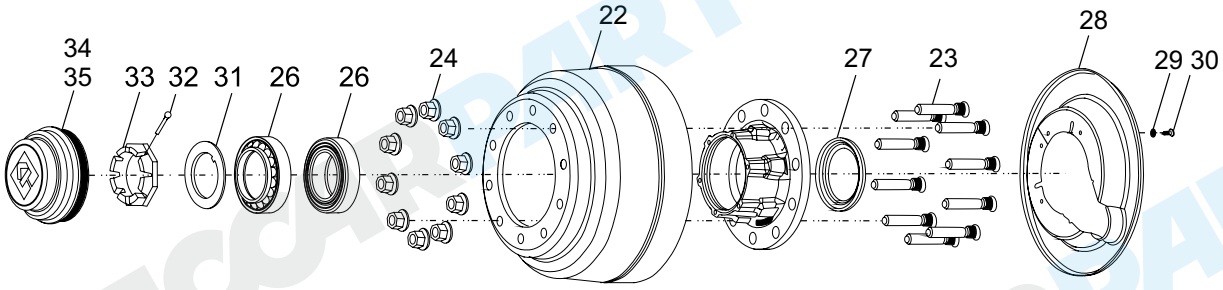
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF21BX12X1850P30	Beam & Cam Assembly	Ø127 x 19 - Sold as Axle Assy, PN for ref only	1
	KF21BX12X1850U30		Ø127 x 12 - Sold as Axle Assy, PN for ref only	1
	KF21BX13X1850P30	Beam & Brake Assembly	Ø127 x 19 - Sold as Axle Assy, PN for ref only	1
	KF21BX13X1850U30		Ø127 x 12 - Sold as Axle Assy, PN for ref only	1
2	C11-0101C-613LH	Camshaft – LH (613mm) 1-⅝" 37 Spline		1
	C11-0101C-613RH	Camshaft – RH (613mm) 1-⅝" 37 Spline		1
3	C30-0101-613	Cam Tube	Old Style - to 2008	2
	C30-0102-613		Contained in Kit A: C30-0102-613K	2
4	C12-0101	Washer, Camshaft Spacer		2
5	C14-0301	Seal, Camshaft Outer		2
	KH800161		Old Style - to 2008	2
6	C13-0101	Camshaft Bush (Spider)	Old Style - 33.8mm Wide	2
	C13-0301		New Style - 38mm Wide	2
7	C33-0101	Camshaft, Mounting Plate	Contained in Kit A: C30-0102-613K	2
8	C24-0101	O-Ring, Cam Tube Inner		2
9	C15-0101	Washer, Camshaft Spacer		4
9A	C15-0102	Washer, Slack Adjuster		2
10	C16-0401	Circlip, Camshaft Inner		2
10A	C16-0101	Circlip, Slack Adjuster		2
11	NSS	Shoe Set (2)	Contained in: Kit D: D20-010101K (Brake Shoe Kit)	2
12		Roller	Contained in: Kit D: D20-010101K (Brake Shoe Kit) & Kit E: D20-010101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	61137370EF	Positive Lock Slack Adjuster	Manual	2
	ASC23112	Auto Slack Adjuster (5"/6"/7" Hole Positions)	Automatic (Optional)	2
20	KH3600/FF	Hub/Drum Assembly	5 Spoke 22.5"	2
	KH3600-0103	Hub/Drum Assembly - Short Stud	10 x 335 22.5"	2
	KH3600-0103Z	Hub/Drum Assembly - Long Stud		2
	KH3600-0303	Hub/Drum Assembly - Short Stud	10 x 285 22.5"	2
	KH3600-0303Z	Hub/Drum Assembly - Long Stud		2
21	KH3601/FF	Hub Assembly	5 Spoke 22.5"	2
	KH3601-0101	Hub Assembly – Short Stud	10 x 335 22.5"	2
	KH3601-0101Z	Hub Assembly – Long Stud		2
	KH3601-0302	Hub Assembly – Short Stud	10 x 285 22.5"	2
	KH3601-0302Z	Hub Assembly – Long Stud		2

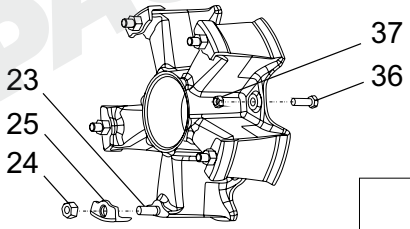
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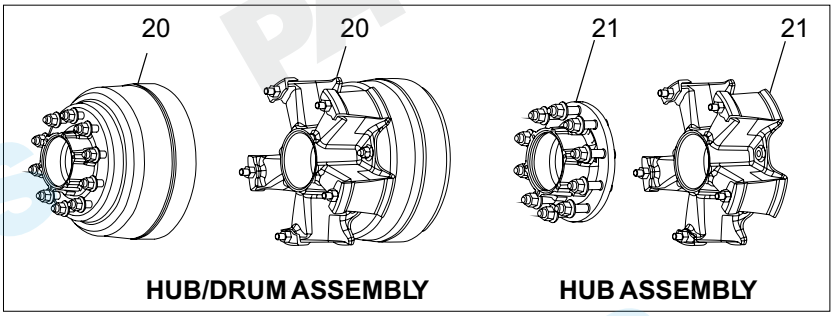
KF21 HD DRUM BRAKE AXLE CONTINUED
420 x 180mm XEM BRAKES - (22.5") - TP











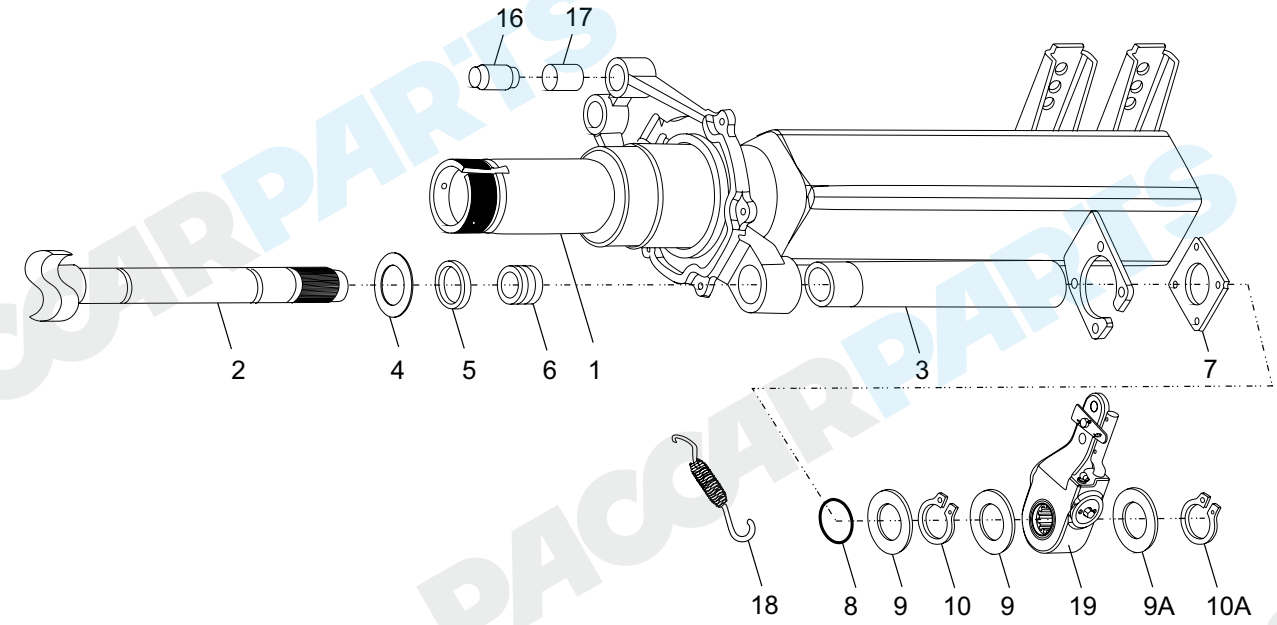
KF21 HD DRUM BRAKE AXLE CONTINUED
420 x 180mm XEM BRAKES - (22.5") - TP

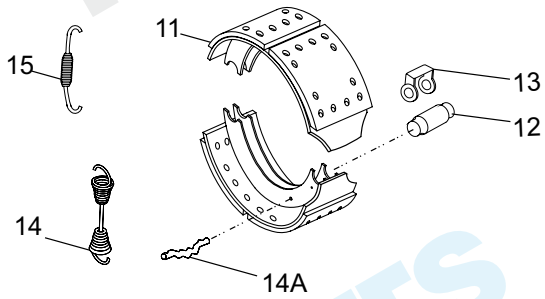
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
22	KH3602/FF	Drum	5 Spoke 22.5"	2
	KH3602-0101		10 x 335 22.5"	2
	KH3602-0303		10 x 285 22.5"	2
23	KH800106	Stud ¾" NC	5 Spoke 22.5"	10
	KH800104	Stud Short (M22 x 94)	10 x 285 22.5", 10 x 335 22.5"	20
	KH800239	Stud Long (M22 x 122)		20
24	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
	KH800098	Nut ¾" NC	5 Spoke 22.5"	10
	KH800096	Nut M22 x 32 A/F	10 x 285 22.5", 10 x 335 22.5"	20
	KH800238	Nut M22 x 33 A/F	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
25	KH800146	Rim Clamp	5 Spoke 22.5"	10
26	H12-0100	Bearing Inner		2
	H12-0100	Bearing Outer		2
27	373-0223	Seal		2
28	H18-0101	Dust Cover		2
29	KH800055	Spring Washer		12
30	M8X16X1.75	Bolt – Dust Cover – M8		12
31	A11-0101	Washer Bearing	Contained in Kit F: AXK1T-02	2
32	A13-0101	Cotter Pin		2
33	A12-0101	Nut Spindle		2
34	H15-0201	O-Ring – Hub Cap		2
35	KH800205B	Hub Cap – Screw On – Black		2
36	NSS	Bolt – ¾" UNF x 2-¼" – GR8	5 Spoke 22.5"	10
37	NSS	Conelock Nut – ¾" UNF – GR8	5 Spoke 22.5"	10
NS	A15-0202	ABS Sensor Lead (Straight)	Contained in Kit G: ABSK1T-01	2
	A16-0101	Sleeve		2
	H41-0201	ABS Pole Ring – 100 Tooth ID Ø165mm		2

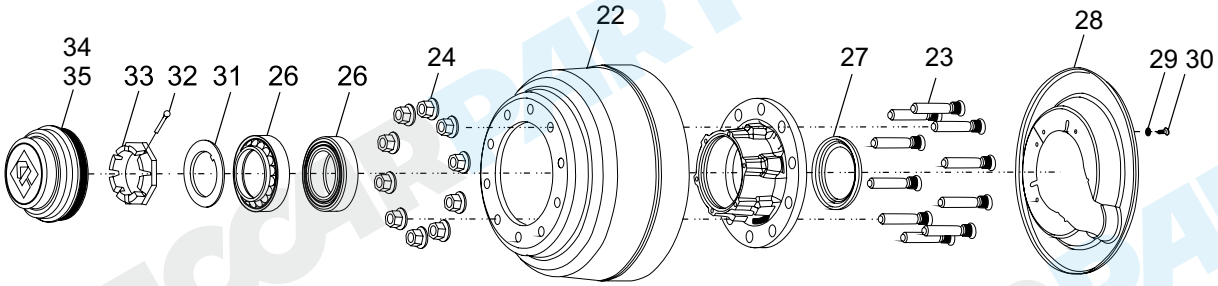
KIT PART NUMBER LISTING				
Kit A	C30-0102-613K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: TP 1,850mm Track Axle Includes Item No: 3 - 10A	2
	C30-0101-613K		Kit Suits: TP 1,850mm Track Axle (Old Style) Includes Item No: 3 - 10A	2
Kit B	C13-0301K	Cam Bush Kit	Kit Suits: KF21 Axle Includes Item No: 4 - 6, 8 - 10A	2
Kit C	C13-0101K	Cam Bush Kit	Kit Suits: KF21 Axle (Old Style) Includes Item No: 4 - 6, 8 - 10A	2
Kit D	D20-010101K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF21 Axle - 420mm x 180mm XEM Brakes Includes Item No: 11 - 17	2
Kit E	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF21 Axle - 420mm x 180mm XEM Brakes Contained in Kit B: D20-010101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit F	AXK1T-02	Axle Nut Kit - TP	Kit Suits: TP Axle Includes Item No: 31 - 33	2
Kit G	ABSK1T-01	ABS Kit	Kit Suits: TP Axle	1

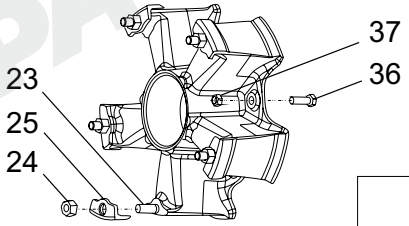
KF61 DRUM BRAKE AXLE

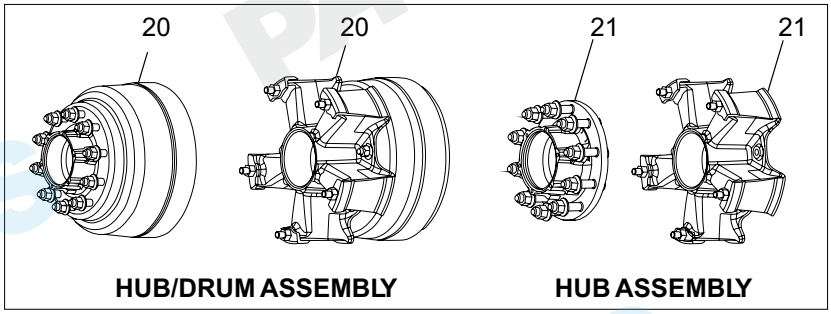
420 x 180mm XEM BRAKES - 150 SQUARE AXLE - TP











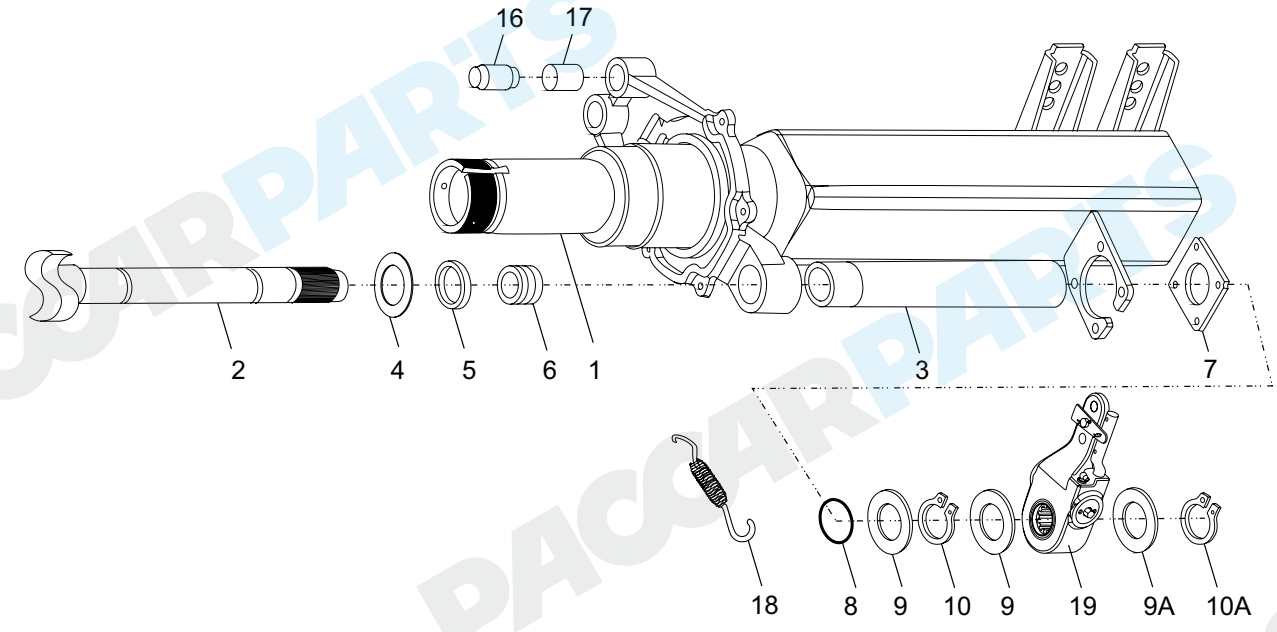
KF61 DRUM BRAKE AXLE
420 x 180mm XEM BRAKES - 150 SQUARE AXLE - TP

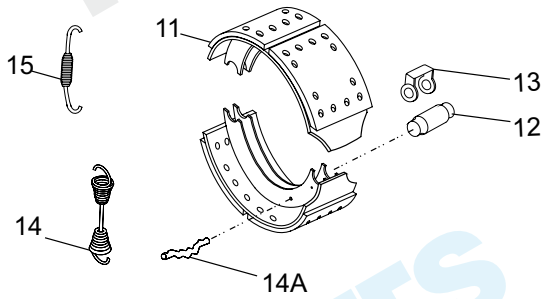
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	KF61BX12X1850R30	Beam & Cam Assembly	Sold as Axle Assy, PN for Ref Only	1
	KF61BX13X1850R30	Beam & Brake Assembly		1
2	C11-0101C-543LH	Camshaft – LH (543mm) 1-⅝" 37sp	Check the length of the S-Cam before you order & make sure you order the matching Cam Tube.	1
	C11-0101C-543RH	Camshaft – RH (543mm) 1-⅝" 37sp		1
	C11-0101C-613LH	Camshaft – LH (613mm) 1-⅝" 37sp		1
	C11-0101C-613RH	Camshaft – RH (613mm) 1-⅝" 37sp		1
3	C30-0102-543	Cam Tube	Containd in Kit A: C30-0102-543K Check the length of the S-Cam before you order and make sure you order the matching Cam Tube Tube Length - 429.5mm	2
	C30-0102-613		Contained in Kit B: C30-0102-613K Check the length of the S-Cam before you order and make sure you order the matching Cam Tube Tube Length - 499.5mm	2
	NA		Old Style	2
4	C12-0101	Washer, Camshaft Spacer	Contained in Kit A: C30-0102-543K & Kit B: C30-0102-613K	2
5	C14-0301	Seal, Camshaft Outer	Contained in Kit A: C30-0102-543K & Kit B: C30-0102-613K	2
	KH800161		Old Style	2
6	C13-0101	Camshaft Bush (Spider)	Old Style	2
	C13-0301		Contained in: Kit A: C30-0102-543K & Kit B: C30-0102-613K	2
7	C33-0101	Camshaft, Mounting Plate	Contained in: Kit A: C30-0102-543K & Kit B: C30-0102-613K	2
8	C24-0101	O-Ring, Cam Tube Inner		2
9	C15-0101	Washer, Camshaft Spacer		4
9A	C15-0102	Washer, Slack Adjuster		2
10	C16-0401	Circlip, Camshaft Inner		2
10A	C16-0101	Circlip, Slack Adjuster		2
11	NSS	Shoe Set (2)	Contained in: Kit D: D20-010101K (Brake Shoe Kit)	2
12		Roller	Contained in: Kit D: D20-010101K (Brake Shoe Kit) & Kit E: D20-010101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	A20-0101	Return Spring, Slack Adjuster		2
19	61137370EF	Positive Lock Slack Adjuster	Manual	2
	ASC23112	Auto Slack Adjuster (5"/6"/7" Hole Positions)	Automatic (Optional)	2
20	KH3600/FF	Hub/Drum Assembly	5 Spoke 22.5"	2
	KH3600-0103	Hub/Drum Assembly - Short Stud	10 x 335 22.5"	2
	KH3600-0103Z	Hub/Drum Assembly - Long Stud		2
	KH3600-0303	Hub/Drum Assembly - Short Stud	10 x 285 22.5"	2
	KH3600-0303Z	Hub/Drum Assembly - Long Stud		2

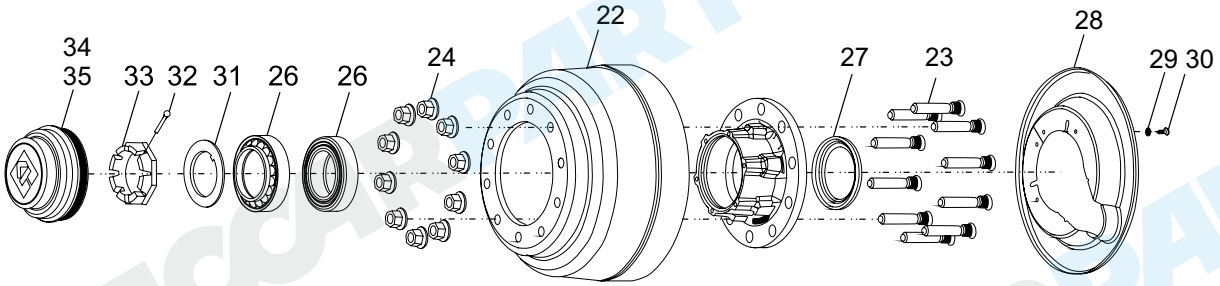
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

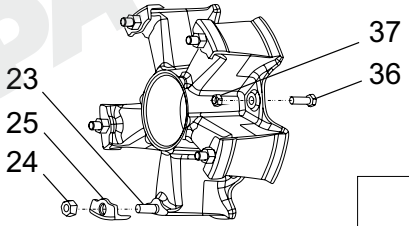
KF61 DRUM BRAKE AXLE CONTINUED

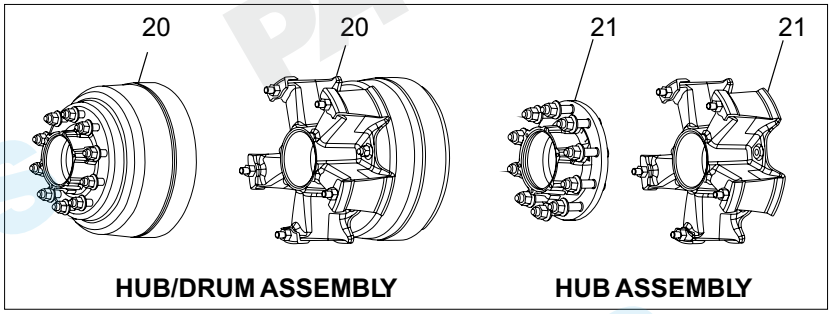
420 x 180mm XEM BRAKES - 150 SQUARE AXLE - TP











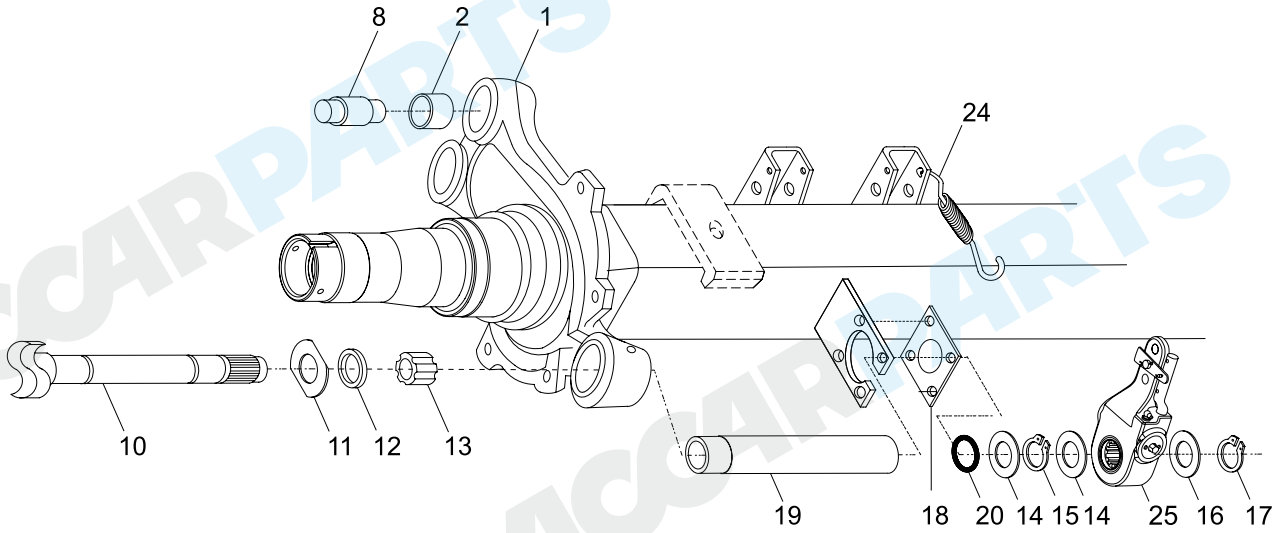
KF61 DRUM BRAKE AXLE CONTINUED
420 x 180mm XEM BRAKES - 150 SQUARE AXLE - TP

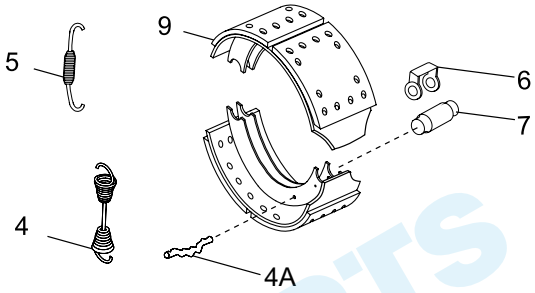
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
21	KH3601/FF	Hub Assembly	5 Spoke 22.5"	2
	KH3601-0101	Hub Assembly – Short Stud	10 x 335 22.5"	2
	KH3601-0101Z	Hub Assembly – Long Stud		2
	KH3601-0302	Hub Assembly – Short Stud	10 x 285 22.5"	2
	KH3601-0302Z	Hub Assembly – Long Stud		2
22	KH3602/FF	Drum	5 Spoke 22.5"	2
	KH3602-0101		10 x 335 22.5"	2
	KH3602-0303		10 x 285 22.5"	2
23	KH800106	Stud ¾" NC	5 Spoke 22.5"	10
	KH800104	Stud Short (M22 x 94)	10 x 285 22.5", 10 x 335 22.5"	20
	KH800239	Stud Long (M22 x 122)		20
24	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
	KH800098	Nut ¾" NC	5 Spoke 22.5"	10
	KH800096	Nut M22 x 32 A/F	10 x 285 22.5", 10 x 335 22.5"	20
	KH800238	Nut M22 x 33 A/F	Optional - 10 x 285 22.5", 10 x 335 22.5"	20
25	KH800146	Rim Clamp	5 Spoke 22.5"	10
26	H12-0100	Bearing Set		2
27	373-0223	Seal		2
28	H18-0101	Dust Cover		2
29	KH800055	Spring Washer		12
30	M8X16X1.75	Bolt – Dust Cover – M8		12
31	A11-0101	Washer (Bearing)		2
32	A13-0101	Cotter Pin		2
33	A12-0101	Nut Spindle		2
34	H15-0201	O-Ring – Hub Cap		2
35	KH800205B	Hub Cap – Screw On – Black		2
36	MB907B	Bolt – ¾" UNF x 2-¼" – GR8	5 Spoke 22.5"	10
37	MB907A	Conelock Nut – ¾" UNF – GR8	5 Spoke 22.5"	10
NS	A15-0101	ABS Sensor Lead (400mm)	Contained in Kit F: ABSK1T-03	2
	A16-0101	Sleeve		2
	H41-0401	ABS Pole Ring – 100 Tooth – Ø165 ID – 216 PCD		2

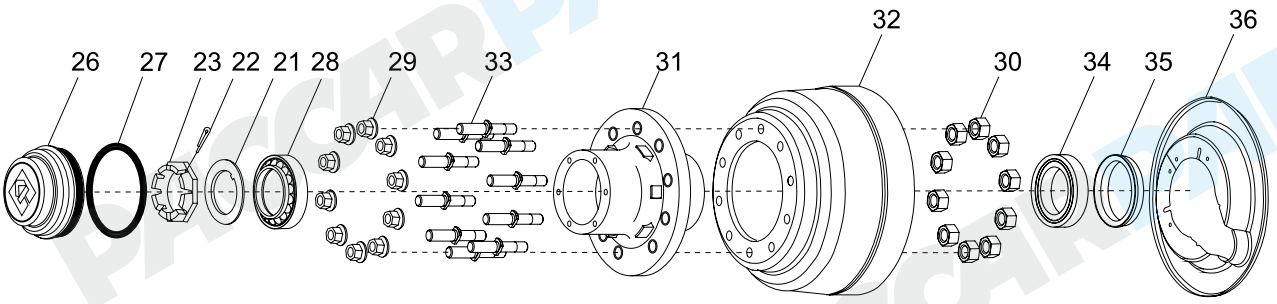
KIT PART NUMBER LISTING				
Kit A	C30-0102-543K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF61 Axle Includes Item No: 3 - 10A	2
Kit B	C30-0102-613K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF61 Axle Includes Item No: 3 - 10A	2
Kit C	C13-0301K	Cam Bush Kit	Kit Suits KF61 Axle Includes Item No: 4 - 6, 8 - 10A	2
Kit D	D20-010101K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF61 Axle - 420mm x 180mm XEM Brakes Includes Item No: 11 - 17	2
Kit E	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF61 Axle - 420mm x 180mm XEM Brakes Contained in Kit B: D20-010101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit F	ABSK1T-03	ABS Kit	Kit Suits: TP Axle	1

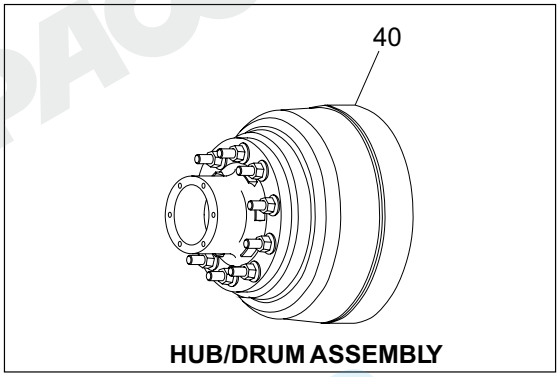
KF75 DRUM BRAKE AXLE

420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-HD









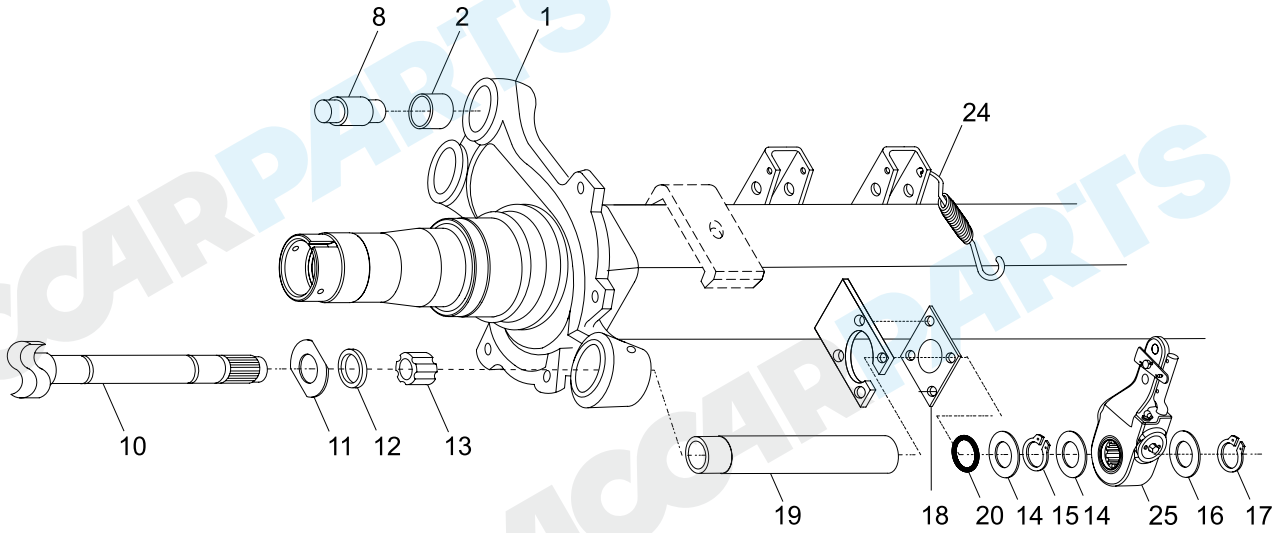
KF75 DRUM BRAKE AXLE
420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-HD

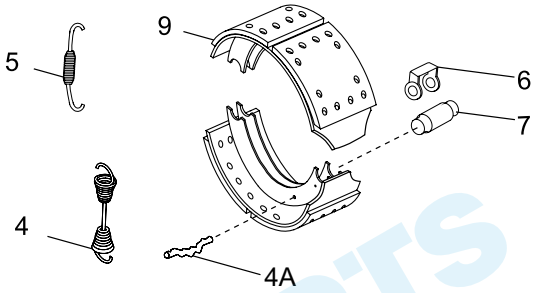
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	FB24XE-0100	Axle Beam	Sold as Axle Assy, PN for ref only	1
2	NSS	Bush Anchor Pin	Contained in: Kit A: D20-010201K (Brake Shoe Kit) & Kit B: D20-010101H (Brake Hardware Kit)	4
4		Return Spring		2
5		Spring, Anchor Pin		4
6		Roller Retainer		4
7		Roller		4
8		Anchor Pin		4
9		Brake Shoe Assembly	Contained in: Kit A: D20-010201K (Brake Shoe Kit)	4
10	C11-0101C-543LH	S-Cam – LH		1
	C11-0101C-543RH	S-Cam – RH		1
	C11-0101C-613LH	S-Cam – LH		1
	C11-0101C-613RH	S-Cam – RH		1
11	C12-0101	Thrust Washer	Contained in Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
12	C14-0301	Seal, Camshaft Outer	Contained in Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
	KH800161		Old Style	2
13	C13-0101	Camshaft Bush (Spider)	Old Style - 33.8mm Wide	2
	C13-0301		Contained in Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
14	C15-0101	Washer	Contained in: Kit C: C30-0102-543K & Kit D: C30-0102-613K	4
15	C16-0401	Snap Ring		2
16	C15-0102	Washer		2
17	C16-0101	Snap Ring		2
18	C33-0101	Mounting Plate S-Cam Tube		2
19	C30-0102-543	Cam Tube (543mm Camshaft)	Contained in Kit C: C30-0102-543K	2
	C30-0102-613	Cam Tube (613mm Camshaft)	Contained in Kit D: C30-0102-613K	2
	KH3310-1042	Cam Tube (543mm Camshaft)	Old Style	2
	NA	Cam Tube (613mm Camshaft)		2
20	C24-0101	O-Ring	Contained in Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
21	A11-0101	Washer		2
22	A13-0101	Cotter Pin		2
23	A12-0101	Nut		2
24	A20-0101	Spring, Slack Adjuster		2
25	A19-0300	Slack Adjuster	Manual	2
	ASC23112	Auto Slack Adjuster (5"/6"/7" Hole Positions)	Automatic (Optional)	2
26	KH800205	Hub Cap		2
	KH800205B	Hub Cap – Screw On – Black		2
27	H15-0201	O-Ring		2
28	H12-0100	Bearing Assembly Outer		2
29	KH800096	Nut, Wheel – (M22 x 1.5 – 32mm)	Axle BOM Until June 2019	20
	H34-0401	Nut, Wheel – (M24 x 1.5 – 34mm)	Axle BOM After June 2019	20
30	H40-0101	Nut, Stud		20
31	KH800229	Hub – 10 x 335		2

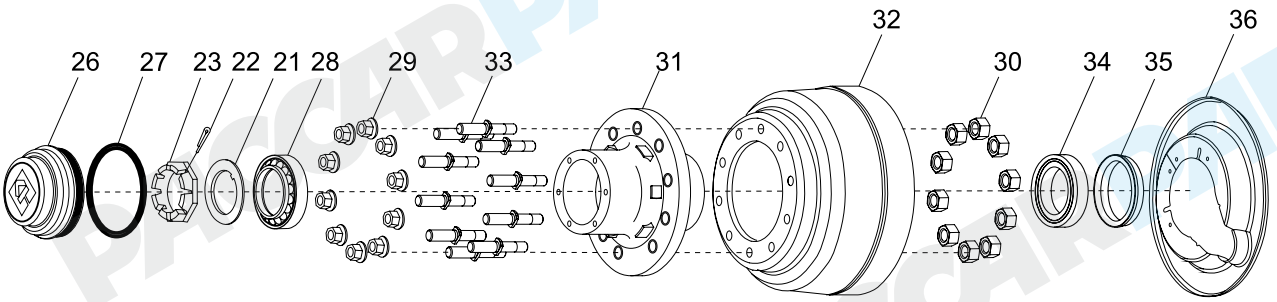
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

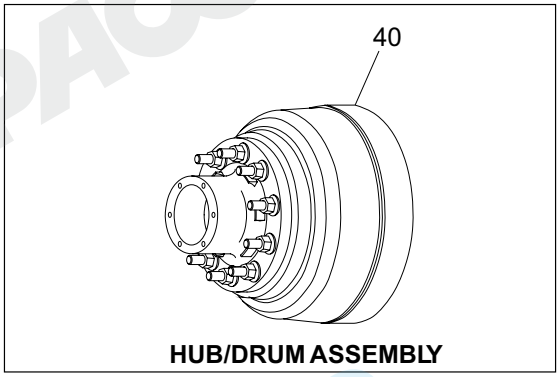
KF75 DRUM BRAKE AXLE CONTINUED

420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-HD









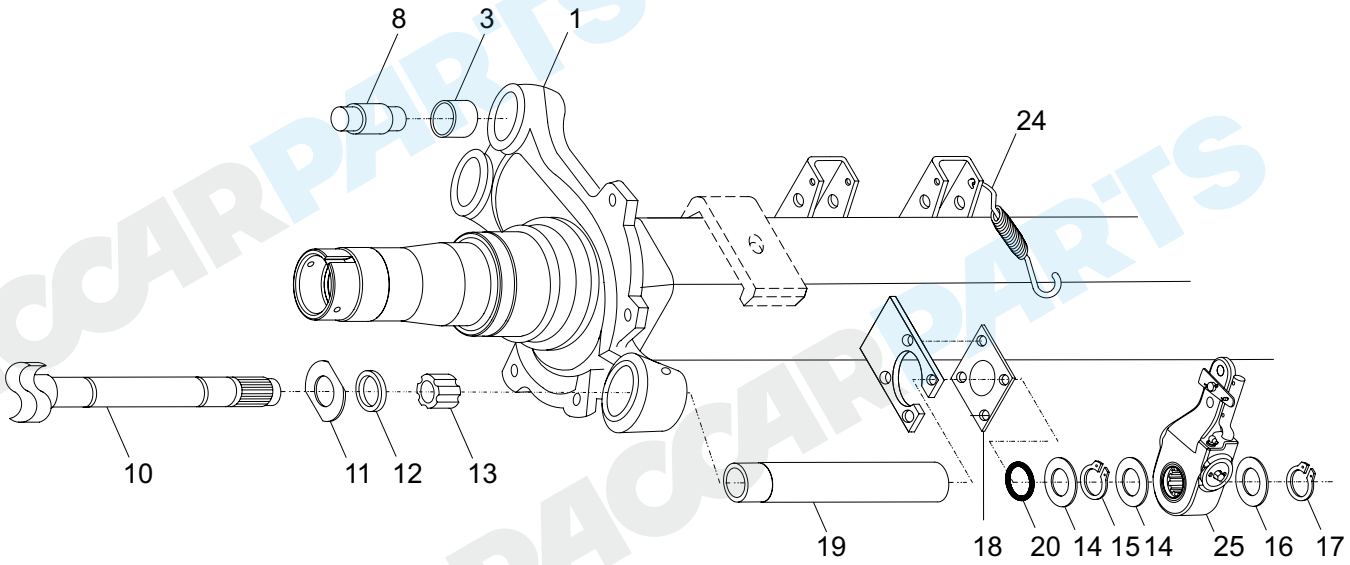
KF75 DRUM BRAKE AXLE CONTINUED
420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-HD

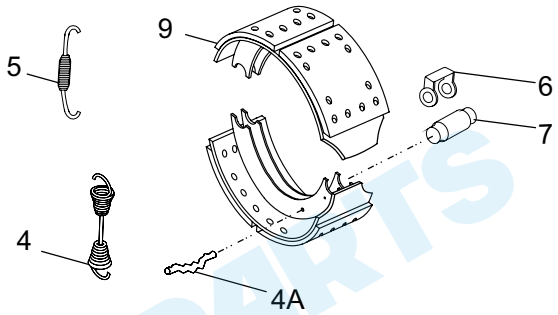
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
32	H32-2304	Drum		2
33	H33-2301	Stud (M22 x 1.5 – 125mm)	Axle BOM Until June 2019	20
	H33-2401	Stud (M24 x 1.5 – 140mm)	Axle BOM After June 2019	20
	H33-2302	Stud (M22 x 1.5 – 152mm)	Optional	20
34	H12-0200	Bearing Assembly Inner		2
35	H11-0300	Seal, Oil		2
36	H18-0104	Dust Shield		2
40	KH3601-2106	Hub & Drum Assembly C/W Short Studs	Optional	2

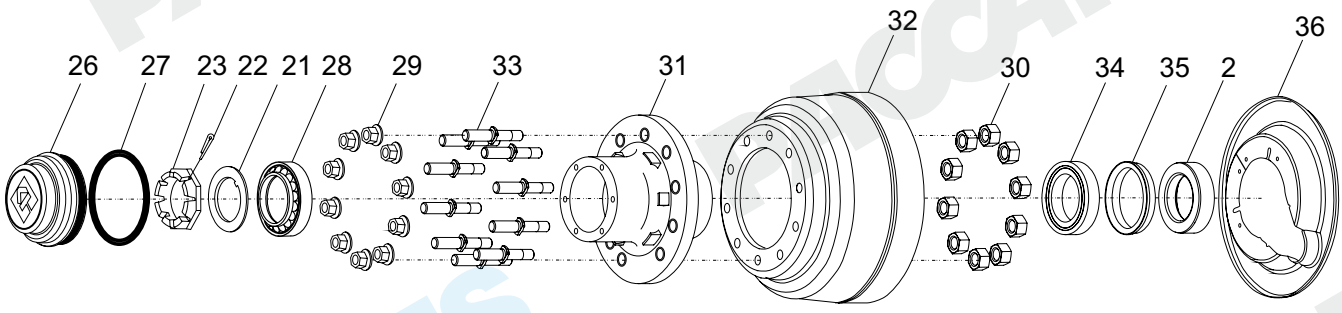
KIT PART NUMBER LISTING				
Kit A	D20-010201K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF75 Axle - 420mm x 220mm XEM Brakes Includes Item No: 2 - 9	2
Kit B	D20-010101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF75 Axle - 420mm x 220mm XEM Brakes Contained in Kit A: D20-010101K (Brake Shoe Kit) Includes Item No: 2 - 8	2
Kit C	C30-0102-543K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF75 Axle Includes Item No: 11 - 20	2
Kit D	C30-0102-613K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF75 Axle Includes Item No: 11 - 20	2
Kit E	C13-0301K	Cam Bush Kit	Kit Suits KF75 Axle Includes Item No: 11 - 17, 20	2

KF85 DRUM BRAKE AXLE

420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-XHD





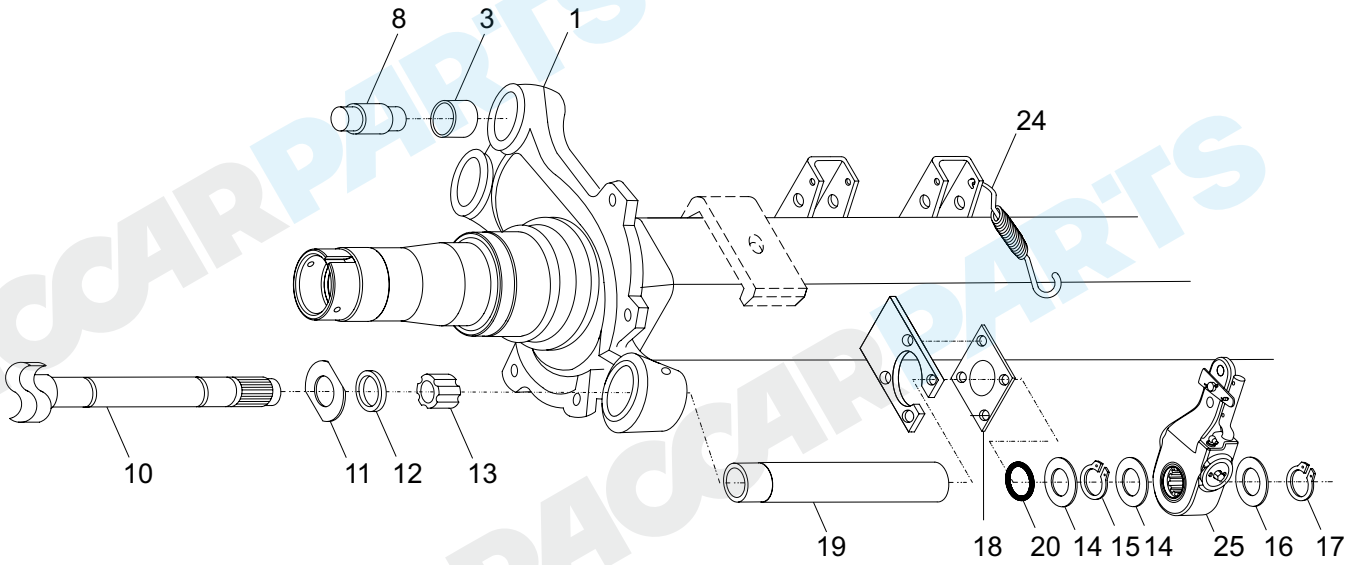


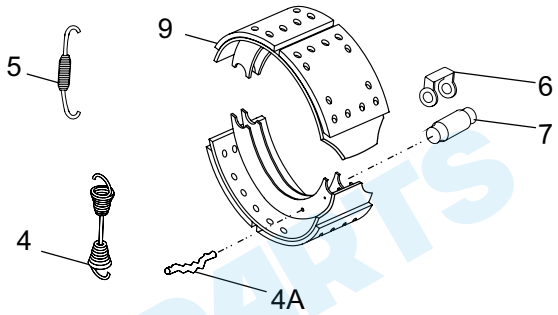
KF85 DRUM BRAKE AXLE
420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-XHD

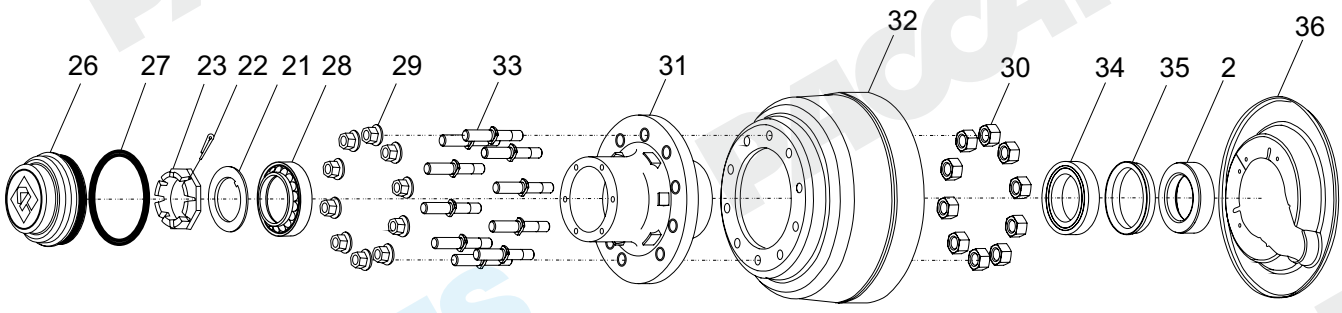
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
2	B19-0101	Spindle Spacer		2
3	NSS	Bush Anchor Pin	Contained in: Kit A: D20-010201K (Brake Shoe Kit) & Kit B: D20-010101H (Brake Hardware Kit)	2
4		Heavy Duty Return Spring		2
5		Spring Anchor Pin		4
6		Retainer Roller		4
7		Roller		4
8		Anchor Pin		4
9		Brake Shoe Assembly	Contained in: Kit A: D20-010201K (Brake Shoe Kit)	4
10	C11-0101C-543LH	S-Cam – LH (New)		1
	C11-0101C-543RH	S-Cam – RH (New)		1
	C11-0101C-613LH	S-Cam – LH (Old)		1
	C11-0101C-613RH	S-Cam – RH (Old)		1
11	C12-0101	Thrust Washer	Contained in: Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
12	C14-0301	Seal		2
13	C13-0301	Bush		2
14	C15-0101	Washer		4
15	C16-0401	Snap Ring		2
16	C15-0102	Washer		2
17	C16-0101	Snap Ring		2
18	C33-0101	Mounting Plate S-Cam Tube		2
19	C30-0102-543	S-Cam Tube (New)	Contained in Kit C: C30-0102-543K Tube Length - 429.5mm	2
	C30-0102-613	S-Cam Tube (Old)	Contained in Kit D: C30-0102-613K Tube Length - 499.5mm	2
20	C24-0101	O-Ring	Contained in Kit C: C30-0102-543K & Kit D: C30-0102-613K	2
21	A11-0101	Washer		2
22	A13-0101	Cotter Pin		2
23	A12-0101	Nut		2
24	A20-0101	Spring, Slack Adjuster		2
25	A19-0300	Slack Adjuster	Manual	2
	ASC23112	Auto Slack Adjuster (5"/6"/7" Hole Positions)	Automatic (Optional)	2
26	KH800205	Hub Cap		2
27	H15-0201	O-Ring		2
28	H12-0100	Bearing Assembly, Outer		2
29	H34-0401	Nut, Wheel – (M24 x 1.5)		20
30	H40-0101	Nut, Stud		20
31	H31-8201	Hub – 10 x 335		2
32	H32-2304	Drum	420 x 220mm Brakes	2
33	H33-2303	Stud – (M24 x 1.5 – 135mm)		20
34	H12-0500	Bearing Assembly, Inner		2
35	H11-0401	Seal Oil		2
36	H18-0104	Dust Shield		2

KF85 DRUM BRAKE AXLE CONTINUED

420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-XHD



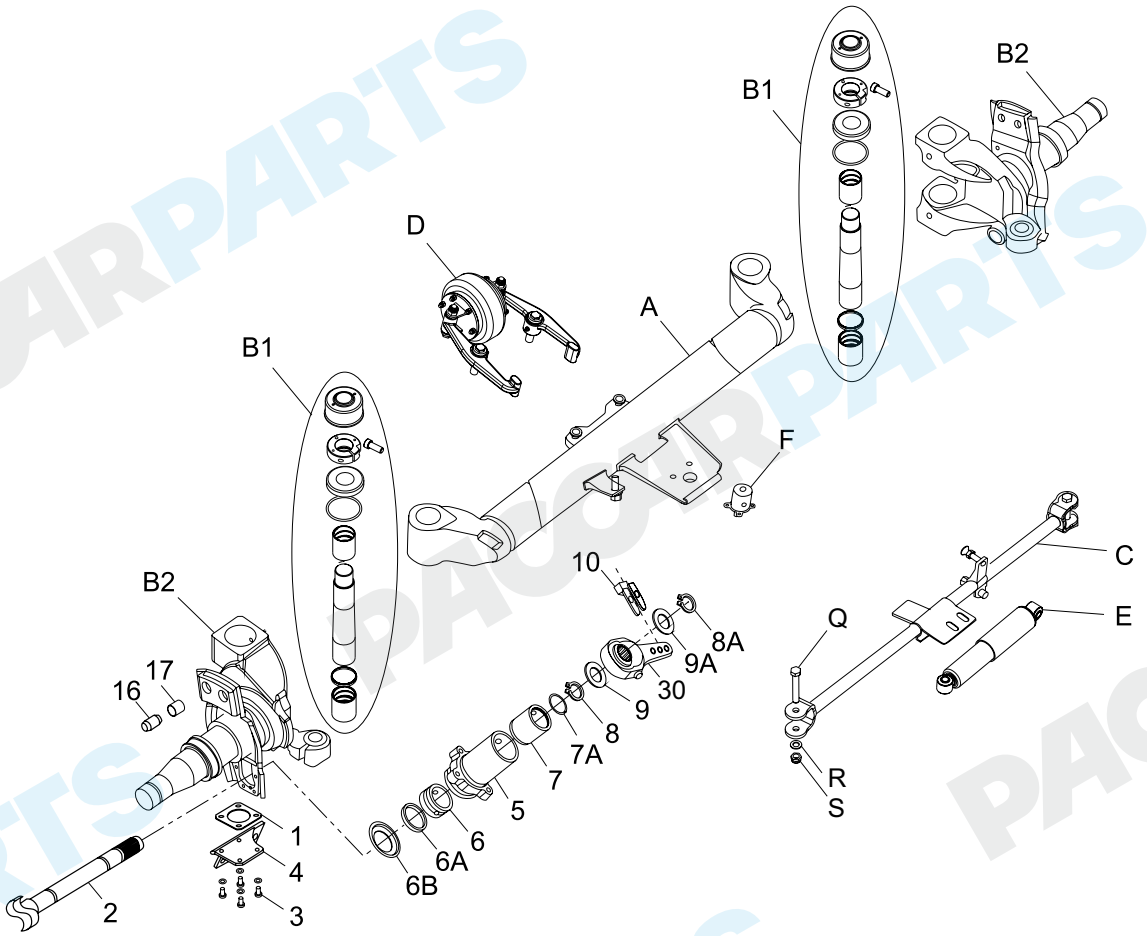


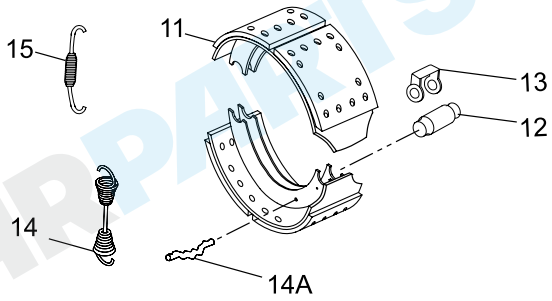


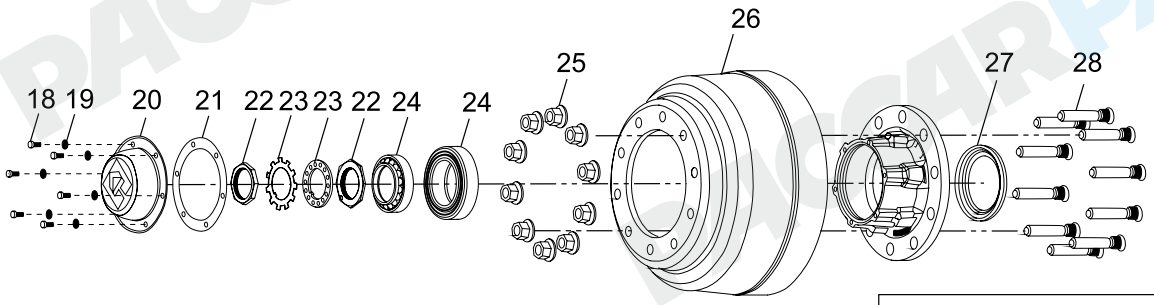
KF85 DRUM BRAKE AXLE CONTINUED
420 x 220mm XEM BRAKES - 150 SQUARE AXLE - TN-XHD

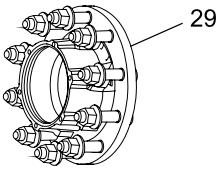
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
KIT PART NUMBER LISTING				
Kit A	D20-010201K	Brake Shoe Kit (1 Wheel)	Kit Suits: KF85 Axle - 420mm x 220mm XEM Brakes Includes Item No: 3 - 9	2
Kit B	D20-010101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KF85 Axle - 420mm x 220mm XEM Brakes Contained in Kit A: D20-010101K (Brake Shoe Kit) Includes Item No: 3 - 8	2
Kit C	C30-0102-543K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF85 Axle Includes Item No: 11 - 20	2
Kit D	C30-0102-613K	Cam Tube Kit (Suit 1 Cam)	Kit Suits: KF85 Axle Includes Item No: 11 - 20	2
Kit E	C13-0301K	Cam Bush Kit	Kit Suits KF85 Axle Includes Item No: 11 - 17, 20	2

KSS1 SELF STEER AXLE
420 x 180mm Q BRAKES - TN









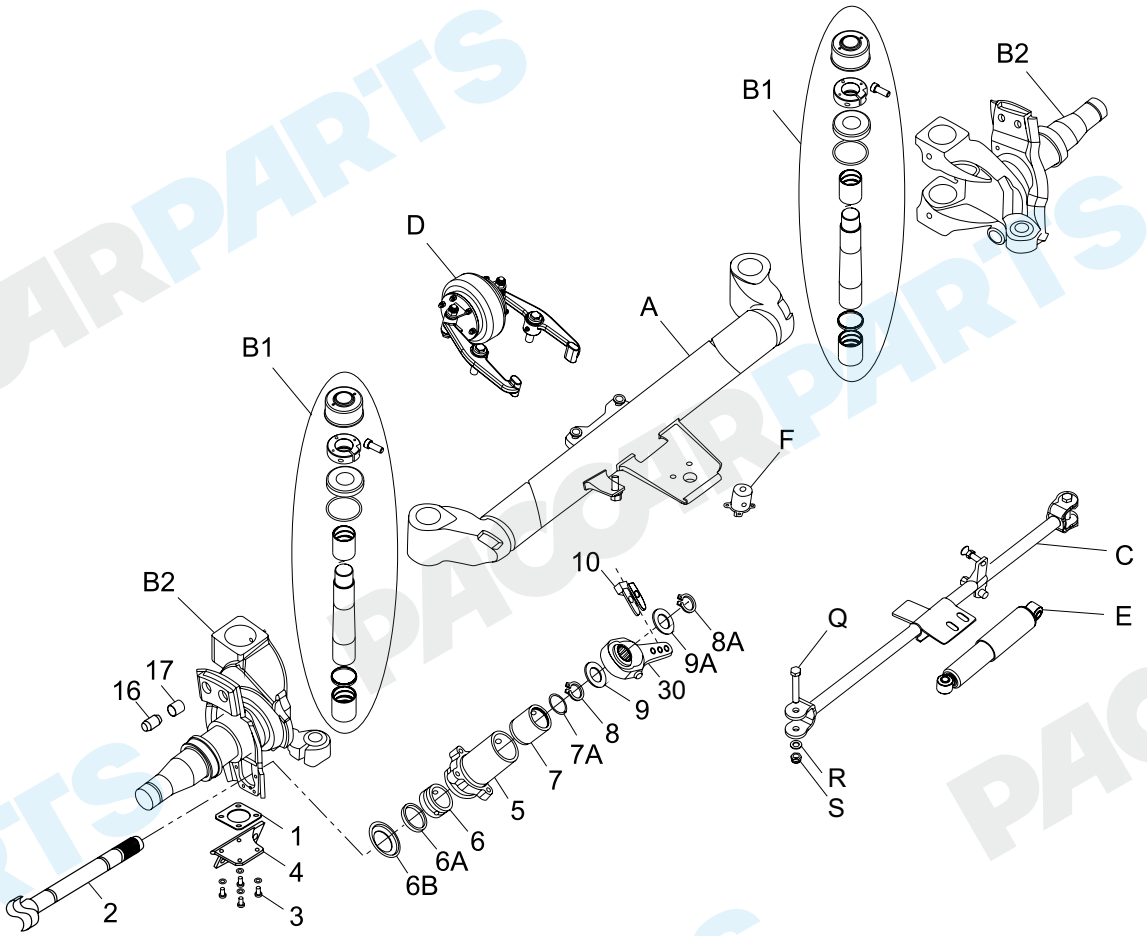
HUB ASSEMBLY

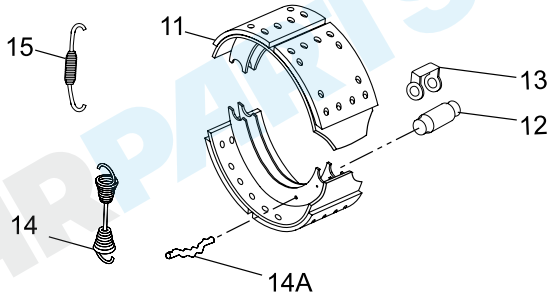
KSS1 SELF STEER AXLE
420 x 180mm Q BRAKES - TN

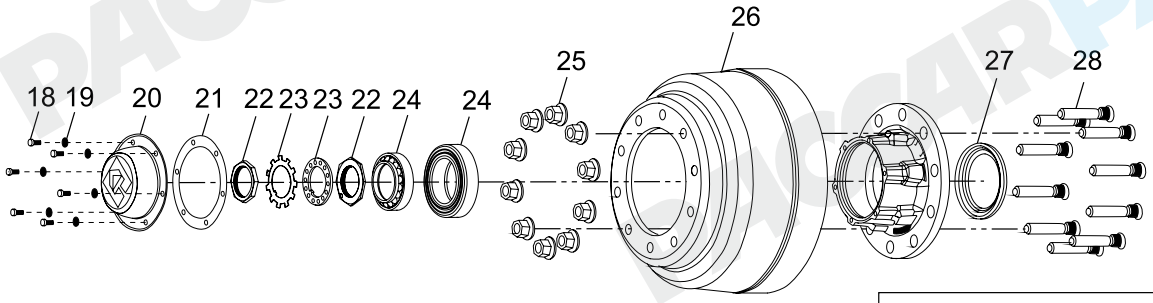
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	N0902000100A	Gasket		2
2	21227113N	S-Cam – RH	Axles Manufactured After June 2013	1
	21227114N	S-Cam – LH		1
3	B071010X025A	Bolt – M10X1.5X25		8
4	G0104058300A	Booster Bracket – RH 24° – 85mm Offset		1
	G0104058350A	Booster Bracket – LH 24° – 85mm Offset		1
5	NSS	S-Cam Tube		2
6	21225705	Bush (ID 42.9mm)	Axles Manufactured Before June 2013	2
	1225-N-1158	Bush (ID 41.1mm)	Axles Manufactured After June 2013	2
6A	A-1205-S-2645	Lip Seal		2
6B	1229-K-4795	Washer Seal		2
7	N0503000100A	Bush (Slack Adjuster Side)		2
7A	21016721	O-Ring		2
8	99507030	External Circlip		2
8A	C16-0501	External Circlip		2
9	21219862	Retaining Washer		2
9A	C15-0102	Retaining Washer		2
10	CWMC8425KTAS	Offset Booster Rod Yoke Kit – ⅝" Offset		1
11	NSS	Brake Shoe Set	Contained in Kit A: D20-020101K (Brake Shoe Kit)	2
12		Roller	Contained in Kit A: D20-020101K (Brake Shoe Kit) & Kit B: D20-020101H (Brake Hardware Kit)	4
13		Roller Retainer		4
14		Return Spring		2
14A		Retaining Pin		4
15		Anchor Spring		2
16		Anchor Pin		4
17		Anchor Pin Bush		4
18	KH800122	Bolt – Hub Cap – 5/16"		12
19	KH800055	Washer – Hub Cap Bolt		12
20	KH800110B	Hub Cap – Black – Ø139.7 PCD		2
	KHALU01	Hub Cap – Aluminium – Ø139.7 PCD		2
21	H15-0102	Gasket – Hub Cap		2
22	A12-0201	Spindle Nut – Inner	Contained in Kit C: AXK1T-01	2
	A24-0101	Spindle Nut – Outer		2
23	A11-0201	Lock Washer	Contained in Kit C: AXK1T-01	2
	A25-0101	Lock Tab Washer		2
24	H12-0300	Bearing – Inner		2
	H12-0400	Bearing – Outer		2
25	KH800096	Nut – M22 x 32A/F		20
	KH800238	Nut – M22 x 33A/F		20
26	CM10037763	Drum – 10 x 285		2
27	46305S	Seal		2
28	KH800104	Stud – Short (M22 x 94)		20
	KH800239	Stud – Long (M22 x 122)		20
29	KH3601-3010	Hub Assembly – 10X285 TN – Short Stud		2
	KH3601-3010Z	Hub Assembly – 10X285 TN – Long Stud		2
30	278323EF	Slack Adjuster Manual	Use ⅝" Offset Clevis	2

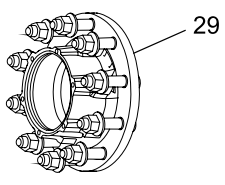
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KSS1 SELF STEER AXLE CONTINUED
420 x 180mm Q BRAKES - TN









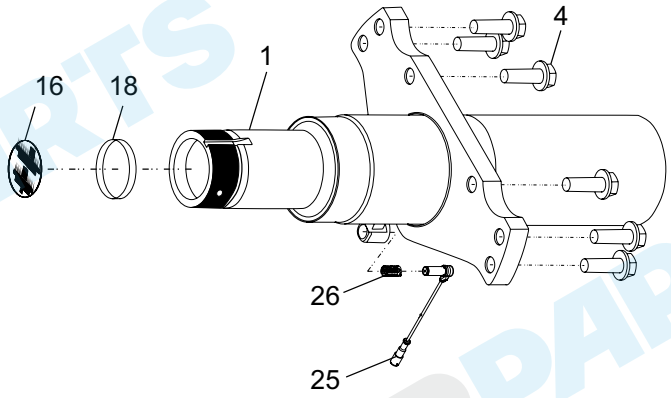
HUB ASSEMBLY

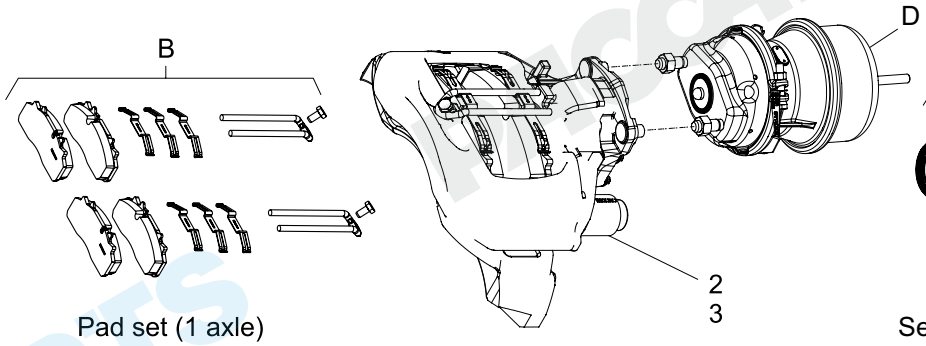
KSS1 SELF STEER AXLE CONTINUED
420 x 180mm Q BRAKES - TN

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
A	GF001010494A	Axle Beam 10T – 1150mm Centres	N100912-001	1
B1	GF006010012A	King Pin Set – LH & RH		1
B2	GF002010490A	Knuckle – RH Only		1
	GF002010491A	Knuckle – LH Only		1
C	GF004010165A	Track Rod 10T – 1150mm Centres		1
D	GF003010037A	Torpess – Complete		1
E	BA1010000401A	Shock Absorber		1
F	B1303001300A	Locking Cylinder – Ø25mm Pin		1
Q	B0710001100A	Knurled Bolt M20		2
R	B0703000100A	Washer		2
S	B0702200H23A	Nut		2

KIT PART NUMBER LISTING				
Kit A	D20-020101K	Brake Shoe Kit (1 Wheel)	Contains Items 11-17	2
Kit B	D20-020101H	Brake Hardware Kit (1 Wheel)	Kit Suits: KSS1 Axle - 420mm x 180mm Q Brakes Contained in Kit A: D20-020101K (Brake Shoe Kit) Includes Item No: 12 - 17	2
Kit C	AXK1T-01	Axle Nut Kit - TN	Kit Suits: TN Axle Includes Item No: 22 - 23	2

KF26, KF36 DISC BRAKE AXLE
PAN 19 - TN, TP, UNITISED

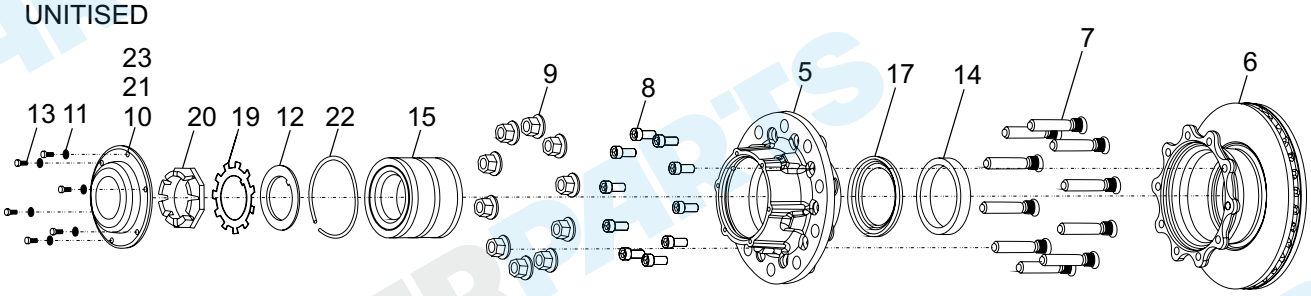




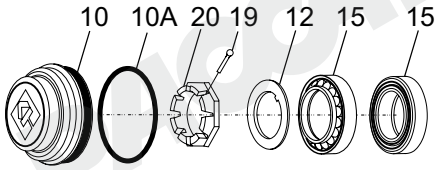
Pad set (1 axle)

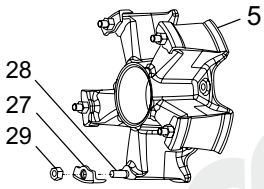
Seal and guide pin kit (1 caliper)

UNITISED

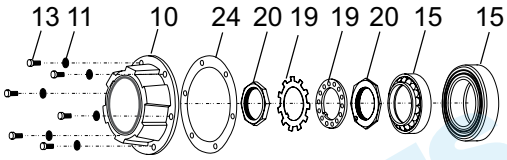


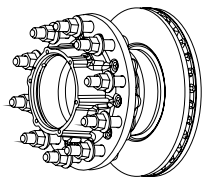
TP





TN





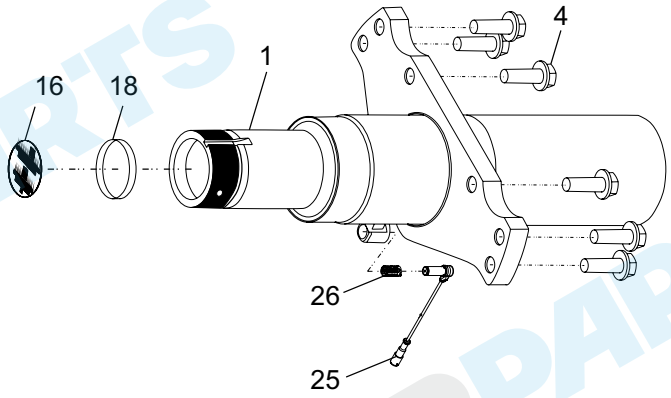
HUB/ROTOR ASSEMBLY: A

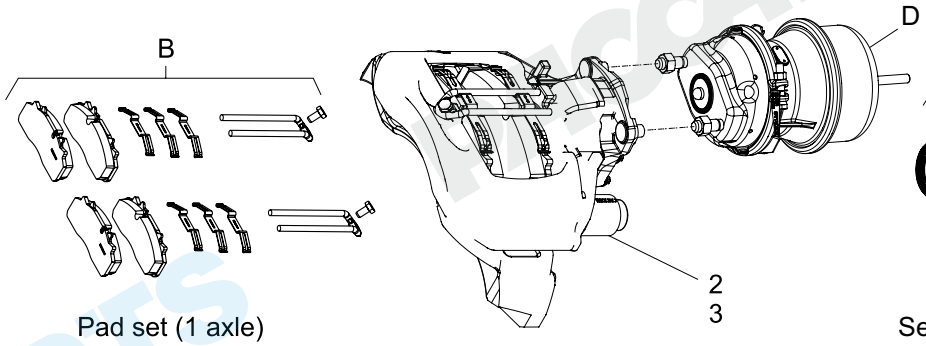
KF26, KF36 DISC BRAKE AXLE
PAN 19 - TN, TP, UNITISED

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
1	FP20DB0100	Beam 8 & 10 Stud	Sold as Axle Assy, PN for Ref Only	1850 - TP	1
	FP20DB0200	Beam 5 Spoke			1
	KF26AX12X1850N	Beam 8 & 10 Stud		1850 - TN	1
	FU20DB0100			1850 - Unitised	1
	FU20DB0200	Beam 5 Spoke			1
	KF26AX12X1820N	Beam		1820 - TN	1
	FU20DB0100-1820			1820 - Unitised	1
2	6401951310	Caliper – LH	PAN 19 Disc Brake		1
3	6401951320	Caliper – RH	PAN 19 Disc Brake		1
4	B30-0102	Bolt			12
5	FW336	Hub		5 Spoke - TP	2
	FW428			8 x 275 - TN	2
	FW429			10 x 285 - TN	2
	FW431			10 x 285 - TP	2
	FW443			10 x 335 - TN	2
	FW444			10 x 335 - Unitised	2
	FW473			10 x 285 - Unitised	2
	FW497			8 x 275 - Unitised	2
6	BC8435TP	Rotor PAN 19 – 5 Bolt		5 Spoke - TP 90T	2
	BC8433	Rotor PAN 19 – 8 Bolt		10 x 285 - TN 90T	2
	BC8439			8 x 275 - Unitised 90T	2
	H32-D101	Rotor PAN 19 – 10 Bolt		10 x 285 - Unitised 90T	2
	H32-D102			10 x 285 - TP 80T	2
7	KH800104	Stud Short (M22 x 94mm)	Not Used On 5 Spoke		20
	KH800239	Stud Long (M22 x 122mm)			20
8	KHDB012	Bolt Hub-Rotor M14 x 1.5			16
	KHDB014	Bolt Hub-Rotor M16 x 2			20
	KHDB015	Bolt Hub-Rotor M12 x 1.75			20
9	KH800238	Nut Std (Std .33mm on Disc)			20
10	KH340-4322	Hub Cap – Ø179 PCD		10 x 285 - TP	2
	KH800205B	Hub Cap - Screw On - Black		5 Spoke - TP	2
	KHALU01	Hub Cap – Ø139.7 PCD		10 x 285, 10 x 335, 8 x 275 - TN	2
	N300016-002	Hub Cap – Ø179 PCD		Unitised	2
10A	H15-0201	O-Ring		5 Spoke - TP	2
11	KH800055	Washer – Hub Cap Bolt			12
12	A11-0101	Washer Bearing	Contained in: Kit F: AXK1T-02 (Axle Nut Kit - TP) Kit G: AXK1T-03 (Axle Nut Kit - Unitised) & Kit H: AXK1T-05 (Wheel Bearing & Seal Kit)	10 x 285, 5 Spoke - TP & Unitised, 10 x 335, 8 x 275, 5 Spoke - Unitised	2
13	KH800122	Bolt – Hub Cap			12
14	N300200-002	Seal Shield	Contained in Kit H: AXK1T-05	Unitised	2
15	BTH-0500	Bearing Cartridge (11T)	Contained in Kit H: AXK1T-05	Unitised	2
	H12-0100	Bearing		10 x 285, 5 Spoke - TP	2
	H12-0300	Bearing Inner		10 x 285, 10 x 335, 8 x 275 - TN	2
	H12-0400	Bearing Outer			2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KF26, KF36 DISC BRAKE AXLE CONTINUED
PAN 19 - TN, TP, UNITISED

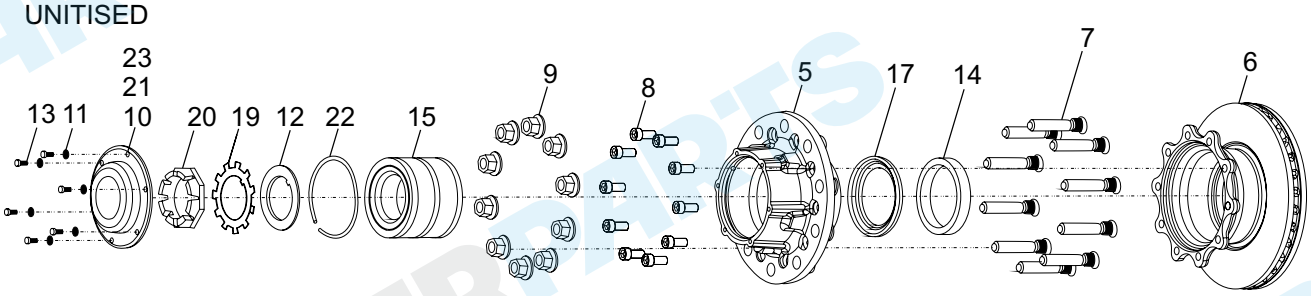




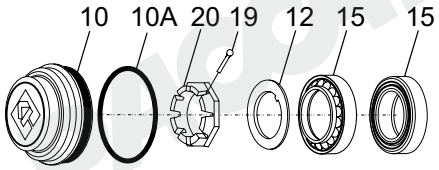
Pad set (1 axle)

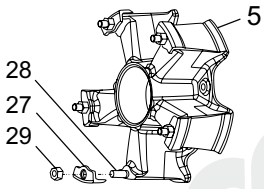
Seal and guide pin kit (1 caliper)

UNITISED

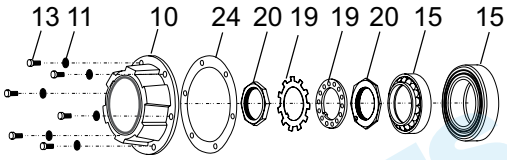


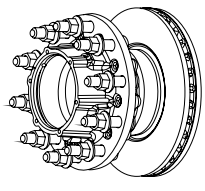
TP





TN





HUB/ROTOR ASSEMBLY: A

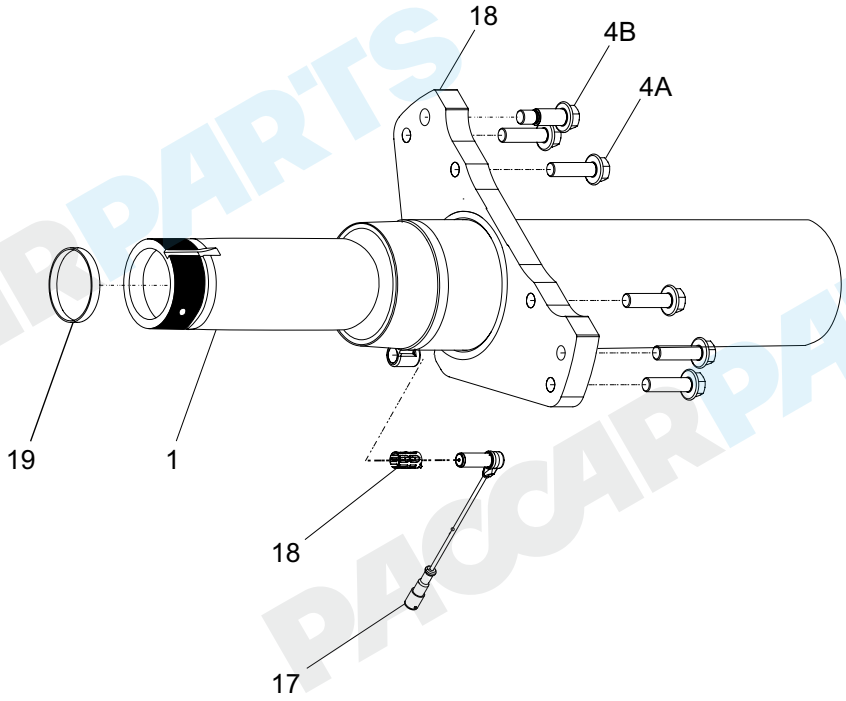
KF26, KF36 DISC BRAKE AXLE CONTINUED
PAN 19 - TN, TP, UNITISED

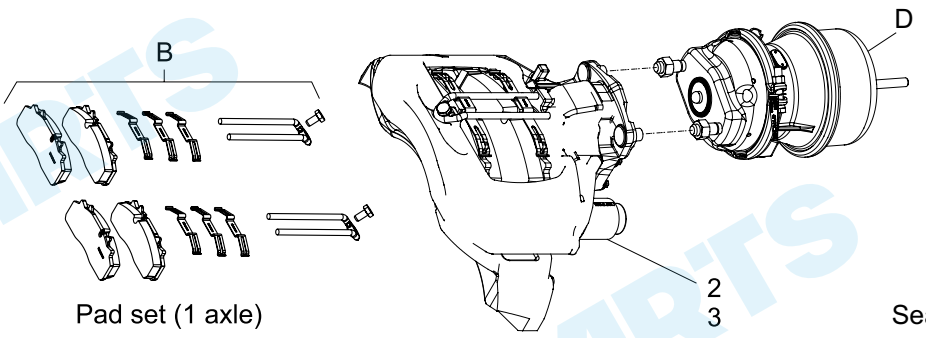
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
16	FHD-046	Decal		Unitised	2
17	809	Seal	(Axles Built From 2012) Contained in Kit H: AXK1T-05	Unitised	2
	393-0273		(Axles Built Before 2012)		2
	373-0223				2
	373-0243			TN	2
18	STP275	Decal Cap		Unitised	2
19	A11-0201	Lock Washer	Contained in Kit E: AXK1T-01	TN	2
	A25-0101	Lock Tab			2
	A13-0101	Cotter Pin	Contained in Kit F: AXK1T-02	10 x 285, 5 Spoke - TP	2
	N300002-002	Lock Tab	Contained in: Kit G: AXK1T-03 (Axle Nut Kit) & Kit H: AXK1T-05 (Wheel Bearing & Seal Kit)	Unitised	2
20	A12-0101	Nut Spindle	Contained in: Kit F: AXK1T-02 (Axle Nut Kit - TP) Kit G: AXK1T-03 (Axle Nut Kit - Unitised) & Kit H: AXK1T-05 (Wheel Bearing & Seal Kit)		2
	A12-0201	Nut Spindle – Inner	Contained in Kit E: AXK1T-01	TN	2
	A24-0101	Nut Spindle – Outer			2
21	10002	Fuwa Badge		Unitised	2
22	CRS.S	Snap Ring	Contained in Kit H: AXK1T-05		2
23	N300015-002	O-Ring – Hub Cap	Contained in Kit H: AXK1T-05		2
24	H15-0102	Gasket – Hub Cap		TN	2
	KH3303118			10 x 285, 5 Spoke - TN	2
25	A15-0101	ABS Sensor Lead (400mm)			2
26	A16-0101	Sleeve			2
A	FWA473-01	Hub / Rotor Assembly		10 x 285 Unitised	2
	NA			10 x 285 TN	2
				10 x 285 TP	2
				10 x 335 TN	2
				10 x 335 Unitised	2
				5 Spoke TP	2
				8 x 275 TN	2
				8 x 275 Unitised	2
B	12999737	Pad Set		PAN 19 Disc Brake	1
C	6402259212	Caliper Seal/Guide Pin Kit			2
D	RPS	Brake Booster	Refer to Brake Booster Section[1]		2
E	AXK1T-01	Axle Nut Kit - TN	Includes Item No: 19 - 20	Kit Suits: TN Axle	2
F	AXK1T-02	Axle Nut Kit - TP	Includes Item No: 12, 19 - 20	Kit Suits: TP Axle	2
G	AXK1T-03	Axle Nut Kit	Contained in Kit H: AXK1T-05 Includes Item No: 12, 19 - 20	Kit Suits: Unitised 11T Axle	2
H	AXK1T-05	Wheel Bearing & Seal Kit	Includes Item No: 26,27, 31 - 35	Kit Suits: Unitised 11T Axle	2

1: paccarparts.com.au/trailer

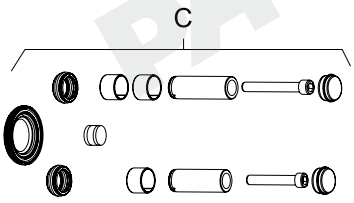
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KF23 DISC BRAKE AXLE
PAN 22 - TP CONMET PRESET PLUS



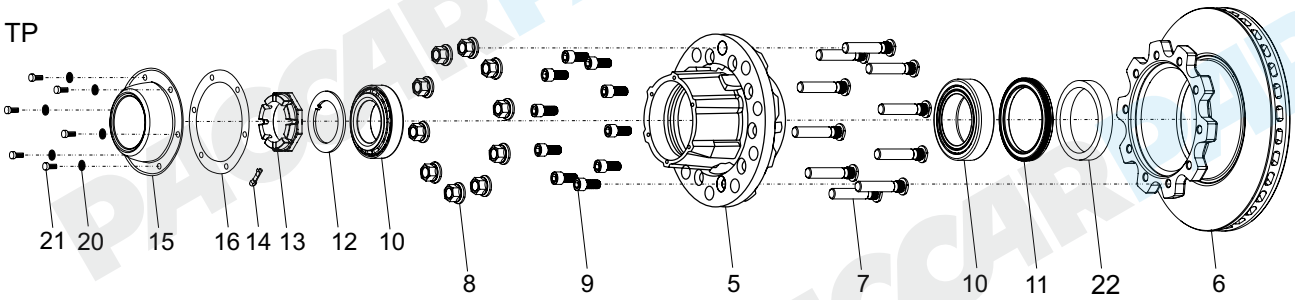


Pad set (1 axle)

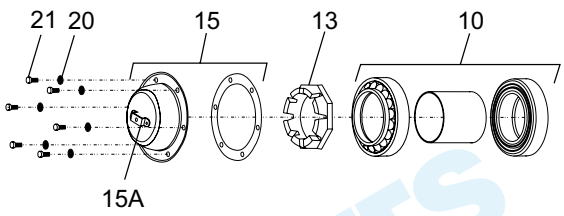


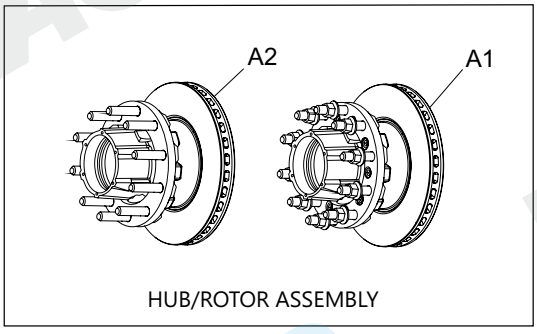
Seal and guide pin kit (1 caliper)

TP



CONMET PRESET-PLUS



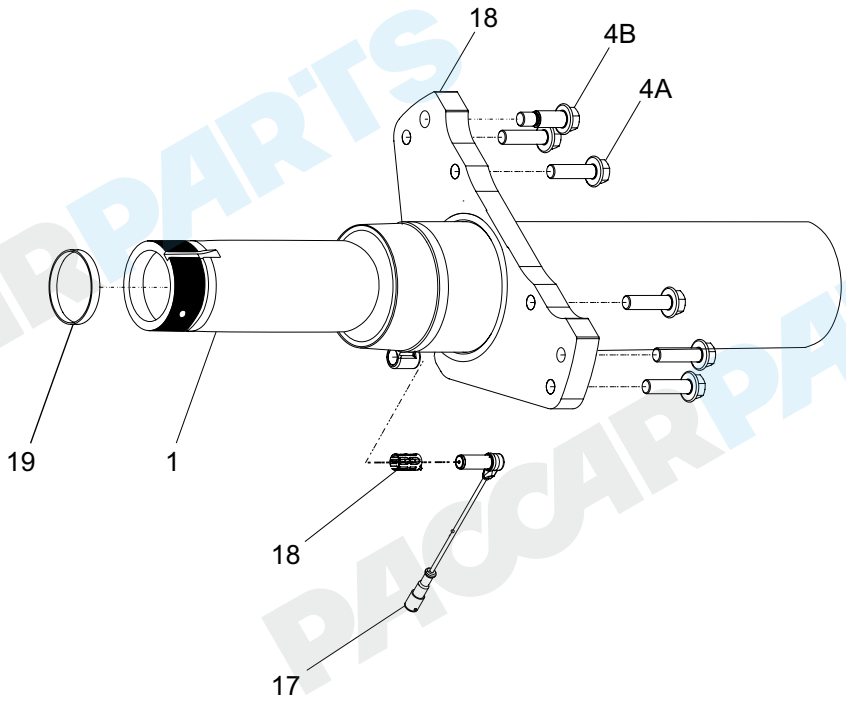


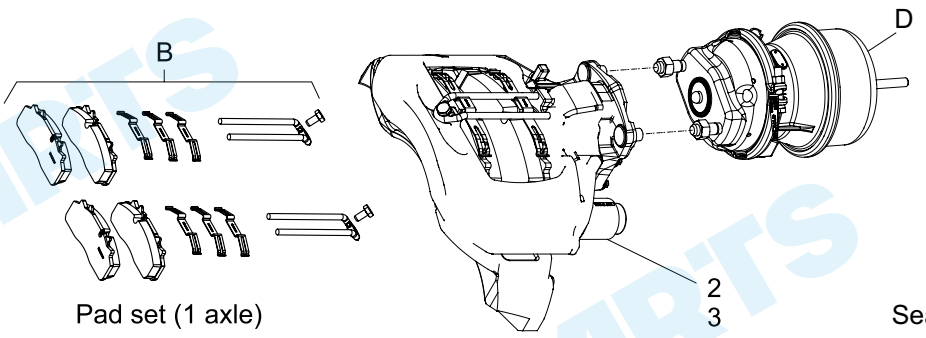
HUB/ROTOR ASSEMBLY

KF23 DISC BRAKE AXLE
PAN 22 - TP CONMET PRESET PLUS

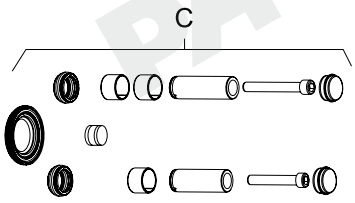
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
1	FP20DB01	Beam – Ø127 x 19	Sold as Axle Assy, PN For Ref Only	ConMet Preset PLUS	1
	FP20DB0500			TP, ConMet Preset	1
	FP26DB1500	Beam – Ø146 x 10 with MBS Weweler Suspension			1
2	6402251200	Caliper – LH – Wabco PAN 22			1
3	6402251210	Caliper – RH – Wabco PAN 22			1
4A	B30-0101	Flanged Bolt – M16			10
4B	B30-0200	Flanged Shoulder Bolt – M16			2
5	CM10083556	Hub – 10 x 285 – Preset Cast Steel	Sold as Hub/Rotor Assembly	ConMet Preset PLUS	2
	CM10085157	Hub – 10 x 285 – Preset Aluminium			2
	H31-D201	Hub – 10 x 285		TP	2
6	CM10082074	Brake Rotor – Ø430 – PAN 22		ConMet Preset PLUS	2
	H32-D002			TP	2
7	KH800104	Stud Short (M22 x 94)			20
	KH800239	Stud Long (M22 x 122)			20
8	H34-0901	Nut M22 x 32 A/F – 50mm Long	Optional		20
	KH800096	Nut M22 x 32 A/F		TP	20
	KH800238	Nut M22 x 33 A/F	Optional		20
9	KHDB014	Bolt – Hub/Rotor – M16		TP	20
10	CM10081731	Preset Bearing Kit C/W Bearings, Spacer, Seal		ConMet Preset PLUS	2
	H12-0100	Bearing		TP	4
11	373-0223	Seal		ConMet Preset PLUS	2
	CM10081522	Seal & Spacer Kit			2
	373-0223	Seal		TP	2
12	A11-0101	Washer – Bearing			2
13	CM10036553	Spindle Nut	Spindle Nut Integrated with Hub	ConMet Preset PLUS	2
	A12-0101			TP	2
14	A13-0101	Cotter Pin		TP	2
NS	N300002-002	Tab Washer	Not Shown in Drawing	ConMet Preset	2
15	CM10085634	Hub Cap – ConMet Preset		ConMet Preset PLUS	2
	H14-0301	Hub Cap – Normal Adjustable Bearings		TP	2
15A	N300202-003	Hubo Bracket			2
16	KH3303118	Gasket – Hub Cap			2
17	A15-0101	ABS Sensor Lead (400mm)			2
18	A16-0101	Sleeve			2
19	B16-0202	Expansion Plug			2
20	KH800055	Washer – Hub Cap Bolt			12
21	KH800122	Bolt – Hub Cap – 5/16"			12
22	N300200-003	Seal Shield		TP	2
	N300200-005			ConMet Preset PLUS	2
A1	H30-D202	Hub/Rotor Assembly		TP	2

KF23 DISC BRAKE AXLE CONTINUED
PAN 22 - TP CONMET PRESET PLUS



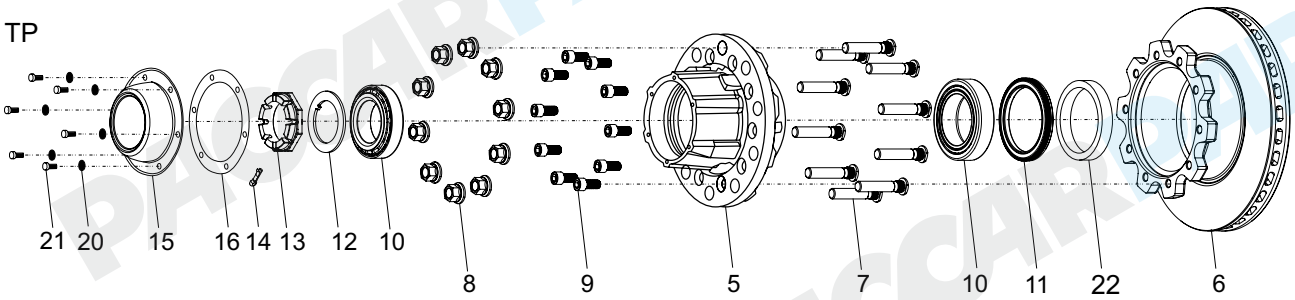


Pad set (1 axle)

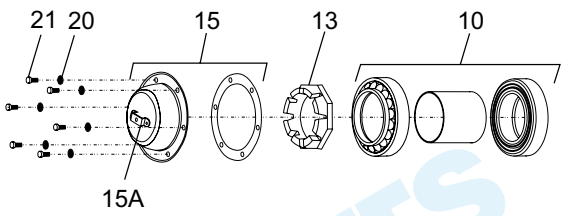


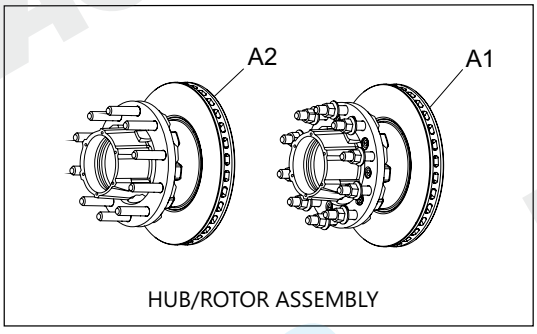
Seal and guide pin kit (1 caliper)

TP



CONMET PRESET-PLUS





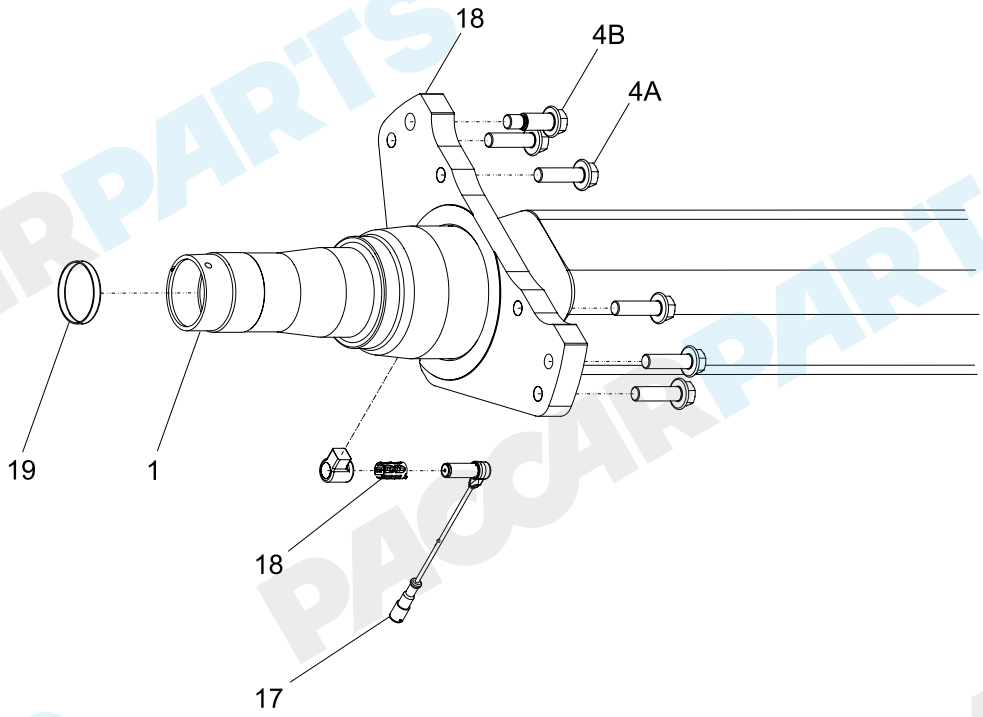
HUB/ROTOR ASSEMBLY

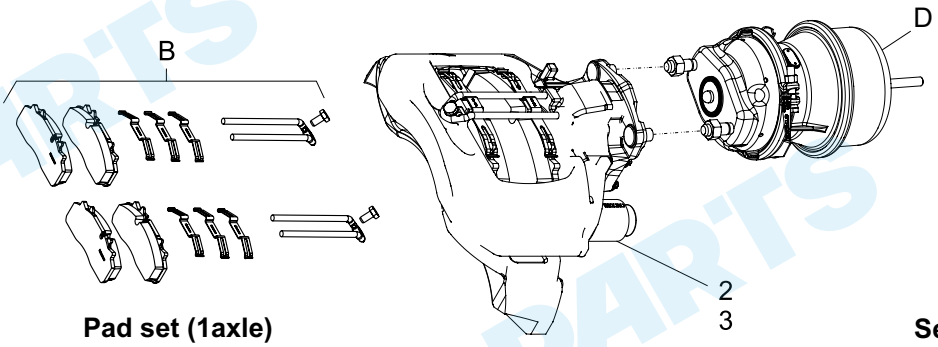
KF23 DISC BRAKE AXLE CONTINUED
PAN 22 - TP CONMET PRESET PLUS

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	APP.	QTY/ AXLE
A2	CM10083556	Hub/Rotor Assembly Alu C/W All Bearings, Spacer & Seal	Steel	ConMet Preset PLUS	2
	CM10085157	Hub/Rotor Assembly Alu C/W All Bearings, Spacer & Seal	Aluminium		2
B	12999796	Pad Set			1
C	6402259212	Caliper Seal Kit			2
D	RPS	Brake Booster	Refer Brake Booster Section[1]		2
E	12999797	Sensor Repair Kit			1

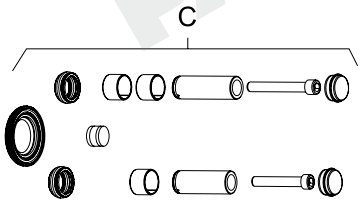
1: paccarparts.com.au/trailer

FB24 DISC BRAKE AXLE
PAN 22 TN-HD

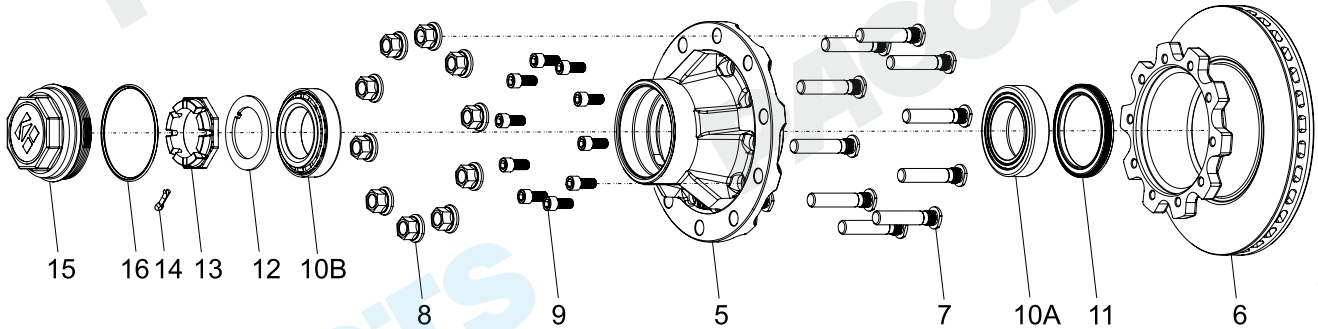




Pad set (1axle)



Seal and guide pin kit (1 caliper)



FB24 DISC BRAKE AXLE
PAN 22 TN-HD

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Beam – 150SQX16	Sold as Axle Assy	1
2	6402251200	Caliper – LH – Wabco PAN 22		1
3	6402251210	Caliper – RH – Wabco PAN 22		1
4A	B30-0103	Flanged Bolt – M16		10
4B	B30-0202	Flanged Shoulder Bolt – M16		2
5	H31-6101DB	Hub – 10 x 335		2
6	H32-D002	Brake Rotor – Ø430 – PAN 22		2
7	KH800104	Stud Short (M22 x 94)		20
	KH800239	Stud Long (M22 x 122)		20
8	KH800096	Nut M22 x 32 A/F	Optional	20
	H34-0901	Nut M22 x 32 A/F – 50mm Long		20
	KH800238	Nut M22 x 33 A/F		20
9	B30-0101	Bolt – Hub/Rotor – M16		20
10A	H12-0200	Bearing Inner		2
10B	H12-0100	Bearing Outer		2
11	H11-0300	Seal (KH800120)		2
NS	N300200-004	Seal Shield		2
12	A11-0101	Washer – Bearing		2
13	A12-0101	Spindle Nut		2
14	A13-0101	Cotter Pin		2
15	KH800205	Hub Cap – Screw On		2
	KH800205B	Hub Cap – Screw On – Black		2
16	H15-0201	O-Ring – Hub Cap		2
17	A15-0101	ABS Sensor Lead (400mm)		2
18	A16-0101	Sleeve		2
19	B16-0201	Expansion Plug		2
B	12999796	Pad Set		1
C	6402259212	Caliper Seal Kit		2
D	RPS	Brake Booster	Refer Brake Booster Section[1]	2

1: paccarparts.com.au/trailer

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

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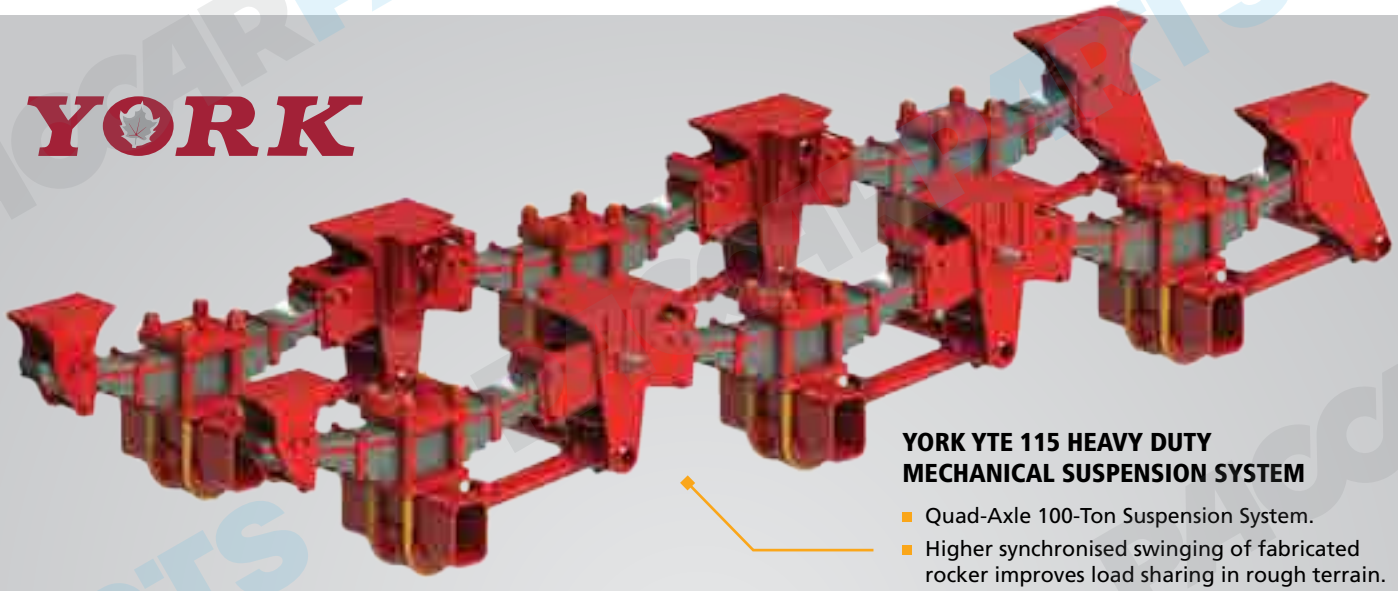
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AXLE IDENTIFICATION 136

2682 / RB OUTBACK SPIDER DRUM AXLES 138
420 x 180mm BRAKES

2682 / RB / 2685 OUTBACK 142
STUD TYPE DRUM AXLES
420 x 180mm BRAKES

2782 / 2784 RB SPIDER DRUM AXLES 146
420 x 180mm BRAKES

2782 / 2784 / RB / 2785 150
STUD TYPE DRUM AXLES
420 x 180mm BRAKES

2783 DRUM AXLES 156
311 x 178mm BRAKES

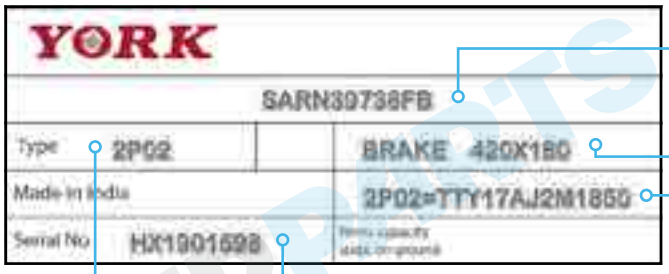
2800 HEAVY DUTY DRUM AXLES 160
420 x 220mm BRAKES

2950 DRUM AXLES 164
335 x 210mm BRAKES

2970 PAN 22 DISC AXLES 168

2980 PAN 19 DISC AXLES 172

AXLE IDENTIFICATION



SARN

Brake foundation number
Example shown: 39738FB

PART NO.

2P02TTY17AJ2M1850

BRAKE SIZE

Example shown: 420 x 180mm

AXLE TYPE

Example shown: 2P02 (2782)
Drum examples: 2782–2950-2783
Disc brake examples: 2970 Pan 22 2980 Pan 19

SERIAL NO.

HX = Plant
2019 = Year of manufacture
01598 = Number of axles made

AXLE MODEL TYPE (M)	
2782/85	Dual Wheel 22.5" Drum Axle TN 420x180 (16.5"x7") 'S' Cam Brake
2784	Super Single Wheel Drum 22.5" Axle TN 420x180 (16.5"x7") 'S' Cam Brake
2783	Dual Wheel 15" & 17.5" Drum Axle TN 311x178 (12.25"x7") 'S' Cam Brake
2950	Dual Wheel 17.5" & 19.5" Drum Axle TN 335x210 'S' Cam Brake
2953	Dual Wheel 16" Drum Axle TN 311x178 (12.25"x7") 'S' Cam Brake
2954	Dual Wheel 16" & 17.5" Drum Axle TN 311x127 (12.25"x5") 'S' Cam Brake
2682	Dual Wheel 22.5" Drum Axle TP 420x180 (16.5"x7") 'S' Cam Brake
2800	Heavy Duty Drum Axle 420x220 'S' Cam Brakes - Dual Stud Type Hubs
2980	Dual Wheel 19.5"/22.5" Disc Axle, TN Pan 19
2970	Dual Wheel 22.5" Disc Axle, TN Pan 22
78792157/58/59	Dual Wheel 22.5" Drum Axle, TNA RB 420x180 (16.5"x7") 'S' Cam Brake
78792279/80	Dual Wheel 22.5" Axle, TPA RB 420x180 (16.5"x7") 'S' Cam Brake
2582/83	Dual Wheel 22.5" Drum Axle, MFL (UN) 420x180 (16.5"x7") 'S' Cam Brake
2570/71	Dual Wheel 22.5" Disc Axle, MFL (UN) Pan 22

HUB TYPE (H)	
1	Spider Hub (Dual & Single, 22.5" & 15")
2	10 Stud 285 PCD Iso Steel Hub
3	10 Stud 335 PCD Iso Steel Hub
4P	10 Stud 285 PCD Iso Alum Hub
5	8 Stud 285 PCD Jap Steel Hub
7	8 Stud 275 PCD Iso Steel Hub
8P	8 Stud 275 PCD Iso Alum Hub
10	10 Stud 225 PCD Iso Steel Hub
11	6 Stud 222 PCD Jap Steel Hub
12P	10 Stud 335 PCD Iso Alum Hub

CAMSHAFT (C)	
E	Enclosed Camshaft
N	Non Enclosed Camshaft
L	Long Camshaft
S	Short Camshaft

AXLE TUBE THICKNESS (T)	
T	127mm Round 16mm Thick
V	127mm Round 19mm Thick
X	127mm Round 25mm Thick
R	127mm Round 12.7mm Thick

TRACK (L)

Expressed in mm

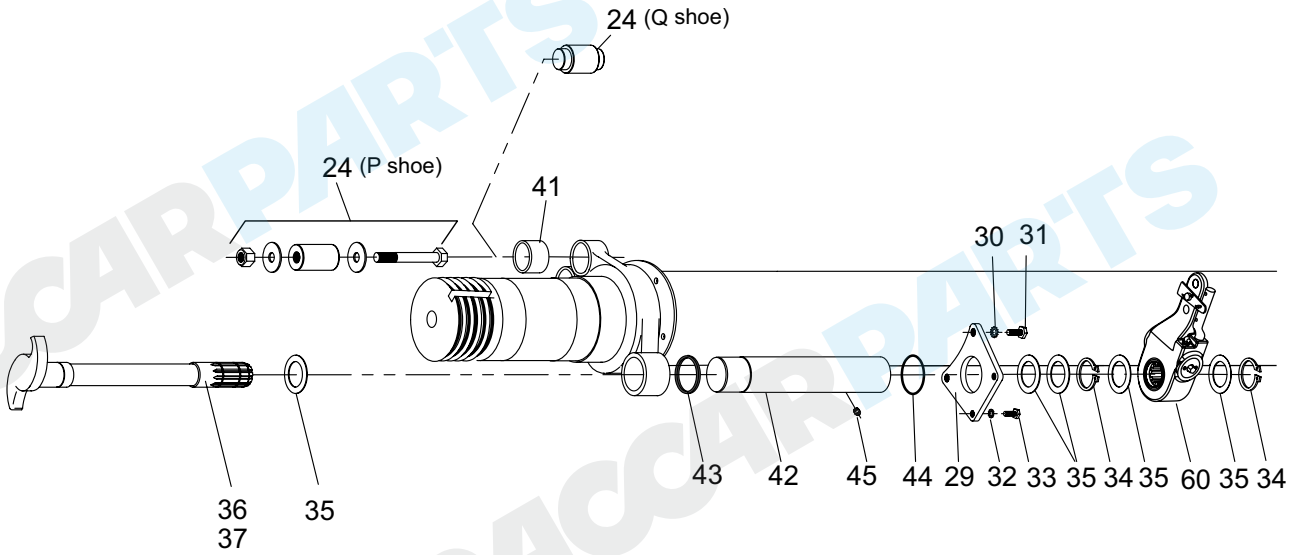
ACCESSORIES CODES (A)	
NONE	Blank /Standard
C	Lightweight Brake Drum (10x285 only)
A	Automatic Slack Adjusters
O	Oil Filled Hub Cap
H	Hubodometer

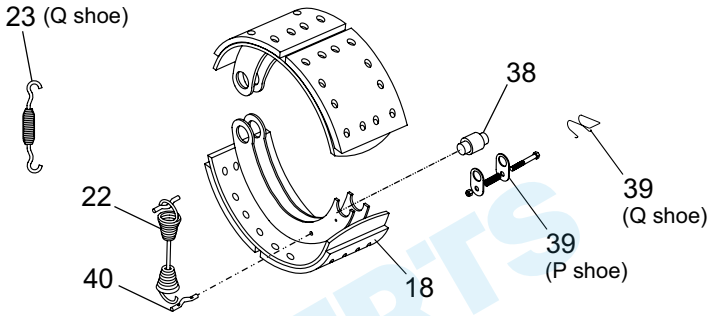
AXLE SPECIFICATION

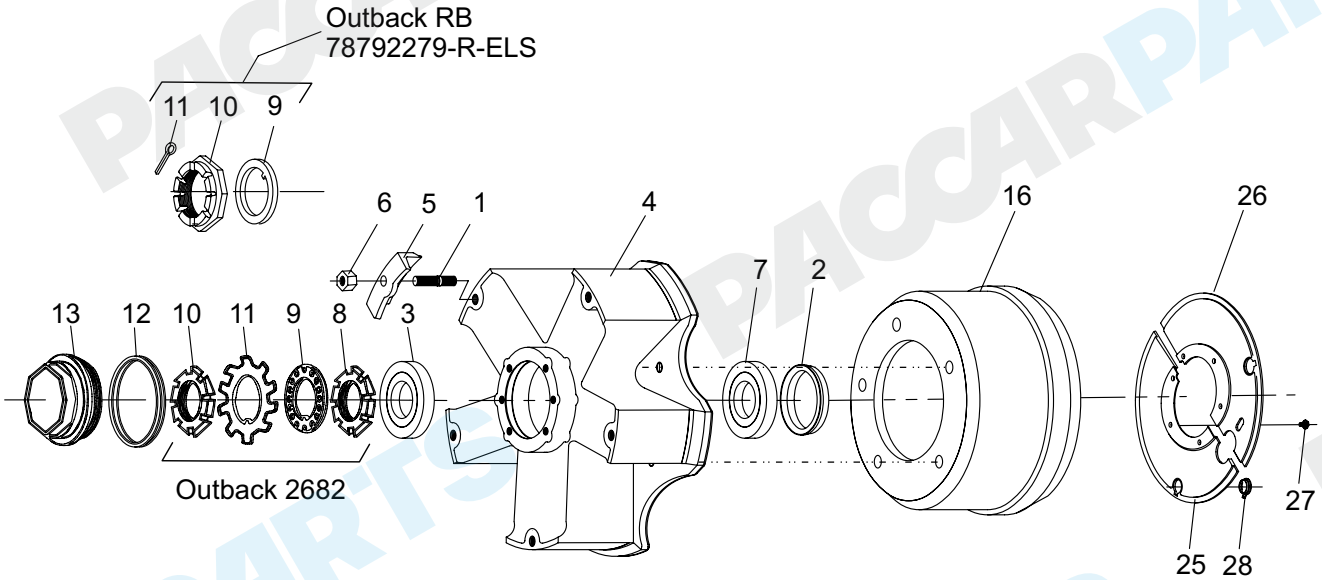
AXLE MODEL	SARN NO.	CAP. GALR (TONNES)
2782, 2784, 2785, 2682, 78792279/80 RB & 2582/83	39738	11.5
2950	10787 FB	10.5
2783/2953	6900 FB	10.0
2954	NO SARN	7.0
2980	27571	11.5
2970, 2570/71	33991	12.0

NOTES

2682 / RB OUTBACK SPIDER DRUM AXLES
420 x 180mm BRAKES



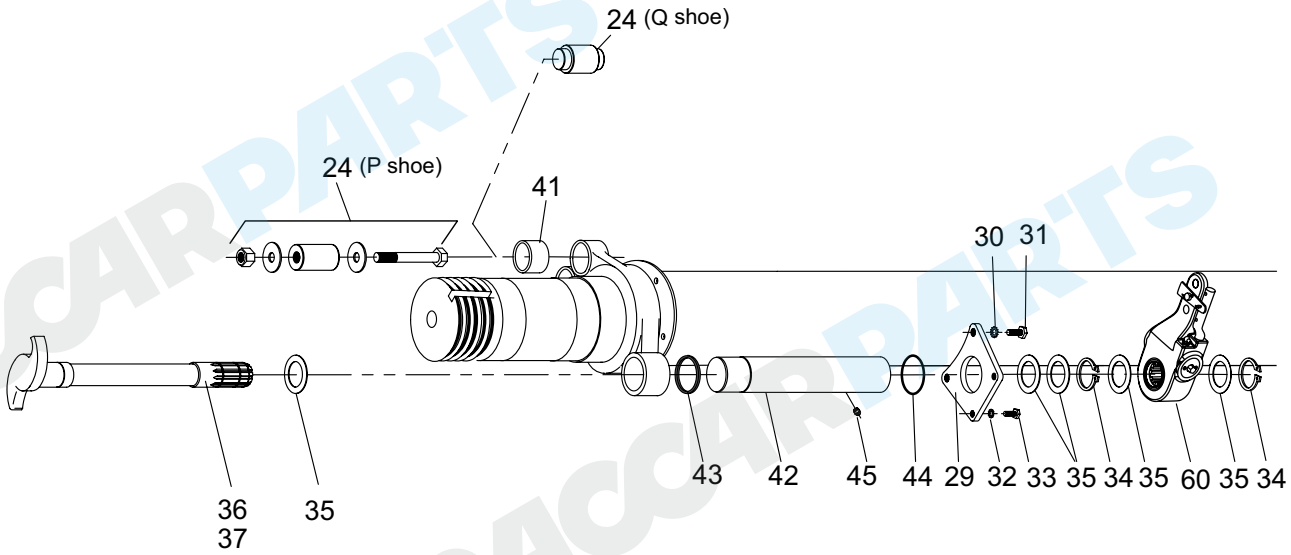


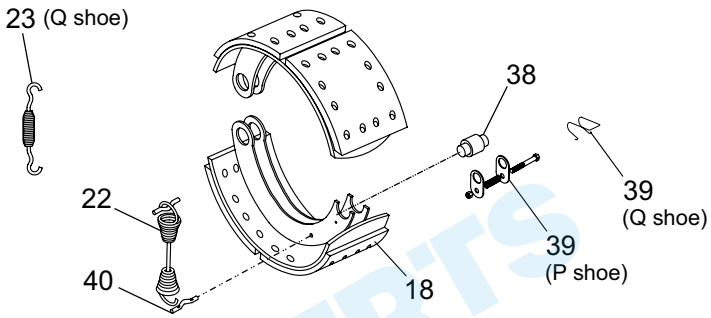


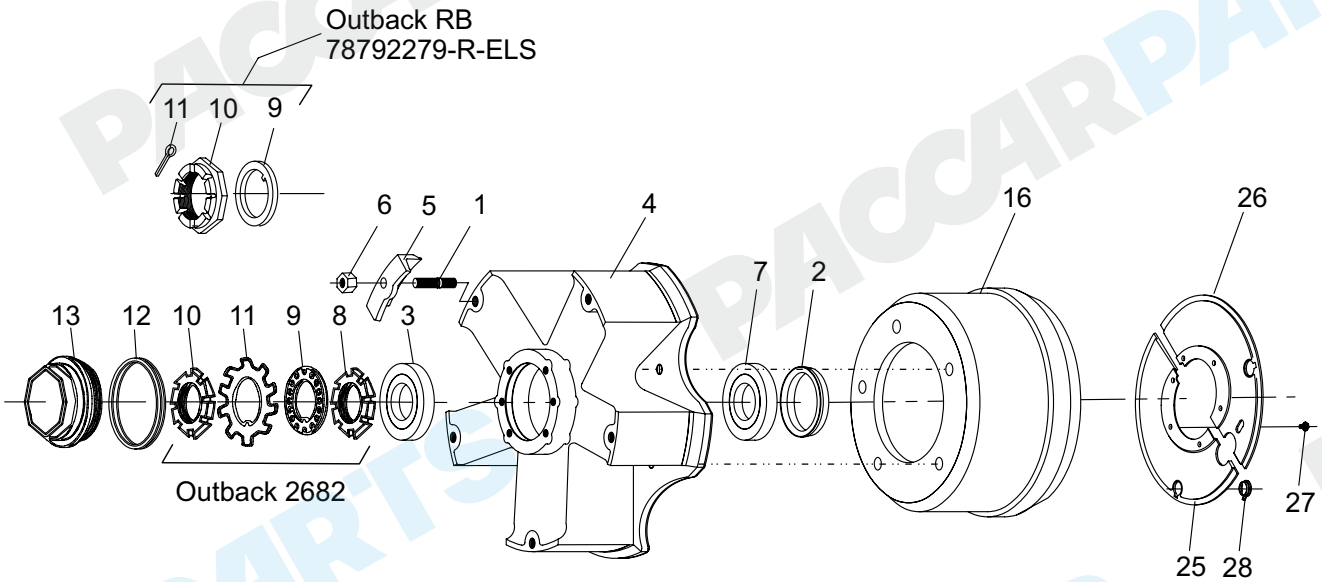
2682 / RB OUTBACK SPIDER DRUM AXLES
420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79787581	Wheel stud ¾" UNC		10
2	79786918	Hub seal - 2682 TP		2
	79A789008	Hub seal - 78792280 RB		2
3	HM518410T1M	Bearing (cup)		2
	HM518445T1M	Bearing (cone)		2
4	79SB789172A	Hub/drum assy - dual spider		2
	NA	Spider hub - dual		2
5	79786869	Rim clamp - dual		10
6	79787932	Spider wheel nut ¾" UNC		10
7	HM518410T1M	Bearing (cup)		2
	HM518445T1M	Bearing (cone)		2
8	7978799801	Spindle nut - 2682 TP 3.5"		2
9	79789016	Spindle lock washer - RB		2
	79792024	Spindle lock washer - 2682		2
10	7978799801	Spindle locknut 2682 TP 3.5"		2
	7978889001	Spindle castellated nut 3.48"		2
11	79787999	Locktab washer - 2682		2
	79788891	Split pin - RB 8 x 50		2
12	T04-4021	Hub cap O-Ring		2
13	79789287	Hub cap - grease threaded plastic		2
	NA	Hub cap - grease threaded steel		2
		Hub cap - oil threaded plastic		2
16	NA	Brake drum - dual spider	Use item 4 - hub/drum assembly Can use drum KH3602/FF - however this does not suit York dust covers	2
18	79SB78790202HD23	Lined brake shoe - 'Q' brake		4
	79SB50206402HD23	Lined brake shoe - 'P' brake		2
22	79786289	Return spring - cam end		2
23	79787527	Return spring - anchor end 'Q'		2
24	79787526	Anchor pin 'Q'		4
	79787723	Anchor pin - 'P' bolt on long		4
25	79786336	Dust cover - upper		2
26	79786335	Dust cover - lower		2
27	49FHM08125016	Screw dust cover M8 x 16		12
28	79500848	Plug dust cover		2
29	79787590	Enclosed cam tube mounting plate		2
30	49AWM12P	Lockwasher M12		4
31	49HBM12175020	Hex bolt M12 x 20		4
32	49AWM10P	Lockwasher M10		4
33	49HBM10150020	Hex bolt M10 x 20		4
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		10
36	7950472317LHT	Camshaft LH (long) 627mm		1
	7950472317RHT	Camshaft RH (long) 627mm		1

2682 / RB OUTBACK SPIDER DRUM AXLES CONTINUED
420 x 180mm BRAKES



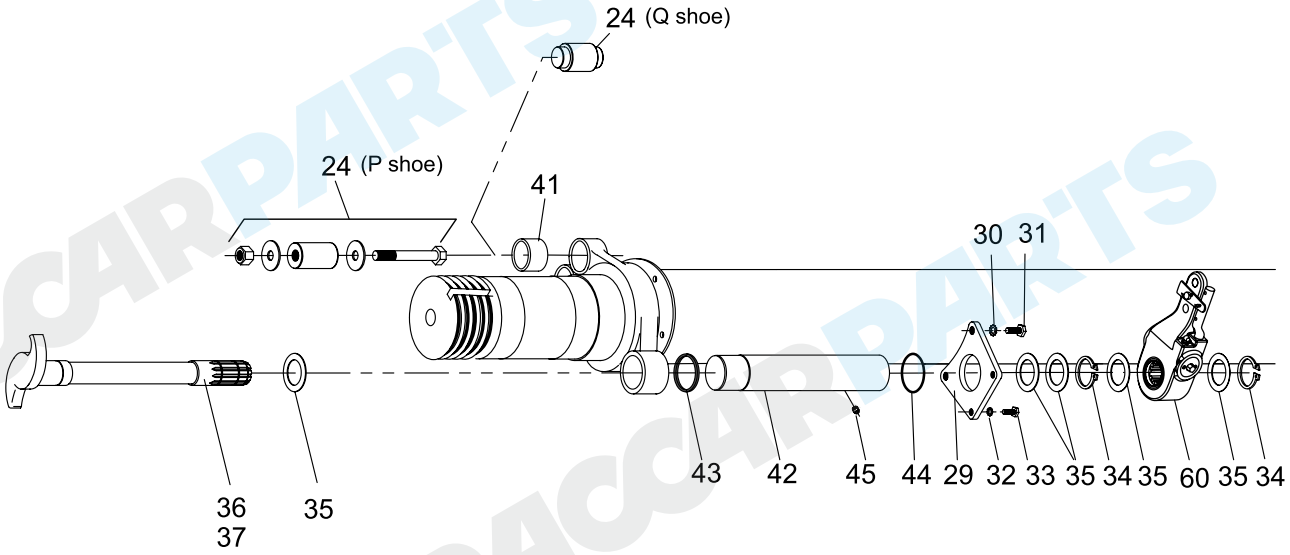


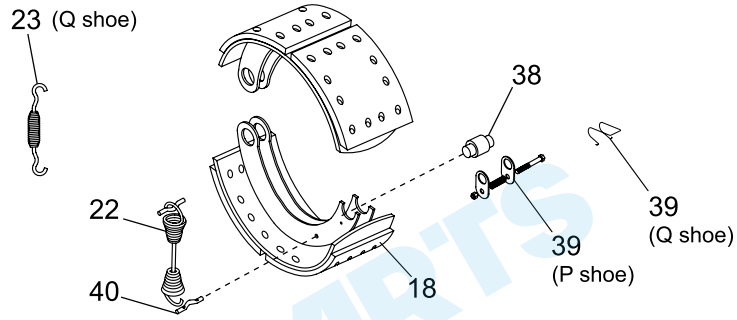


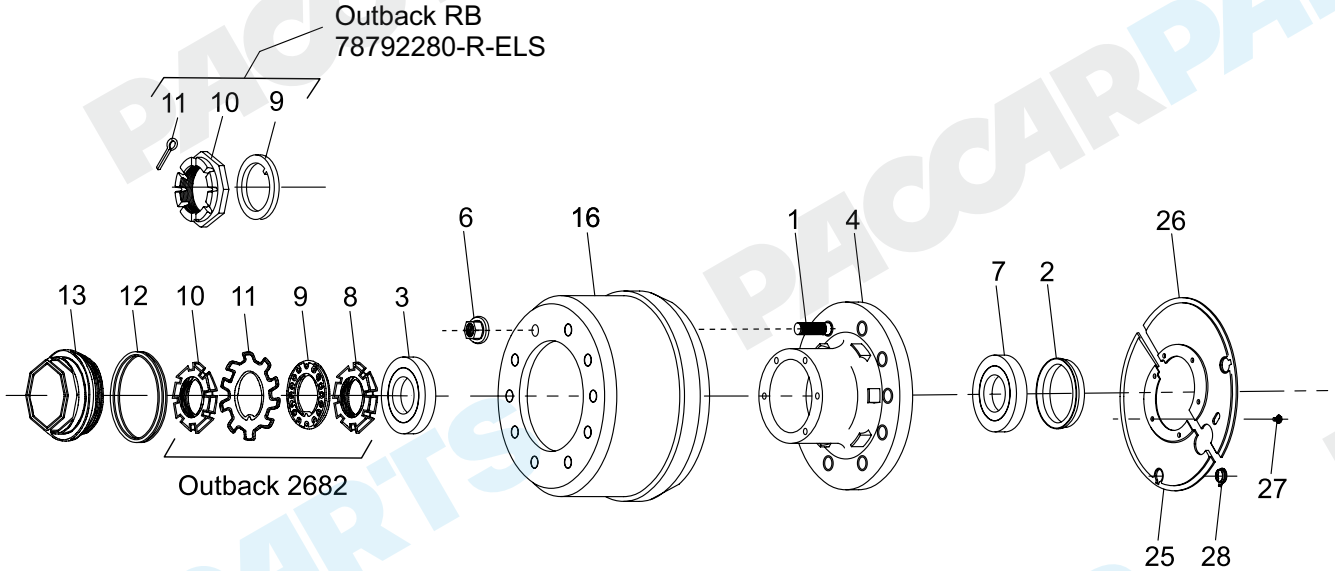
2682 / RB OUTBACK SPIDER DRUM AXLES CONTINUED
420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
37	7950472301LHT	Camshaft LH (short) 525mm	Optional	1
	7950472301RHT	Camshaft RH (short) 525mm		1
38	7950035601	Cam roller 1-¼" knurled		4
39	79500373	Cam roller retainer spring - 'Q'		2
	79787722	Cam roller retainer - bolt on		2
40	79500372	Return spring retainer		4
41	79501787	Anchor pin bush		4
42	79SB78852801	Enclosed cam tube (short) 525mm		2
	79SB78852817	Enclosed cam tube (long) 627mm		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	O-Ring seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		2
60	7921104	Automatic slack adjuster - 5 / 6 / 7"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	79788871	ABS pole wheel - 100 tooth		2
	79560464	ABS sensor pole bush		2
	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake Spider		2
	79786220	Inner cam bracket		2
	79787724	Reinforcing collar 'P' brake		2
	79792103	Retaining plate 'P' brake		2
	79786330	Slack adjuster return spring		2
	NA	Spacer band - 20 x 4"		2
KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	7978790117	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	7965503	Hub cap window kit		2

2682 / RB / 2685 OUTBACK STUD TYPE DRUM AXLES
420 x 180mm BRAKES



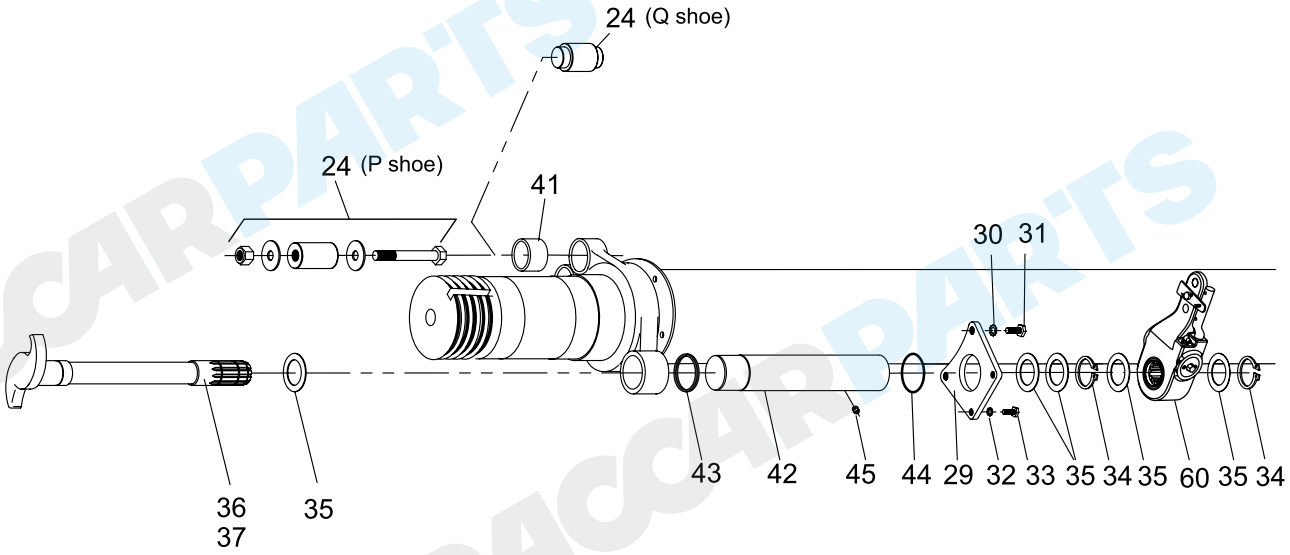


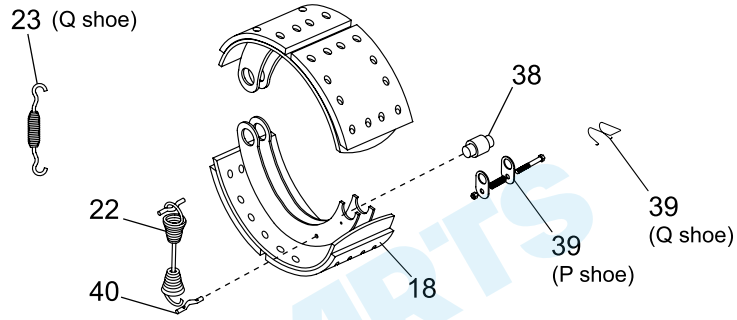


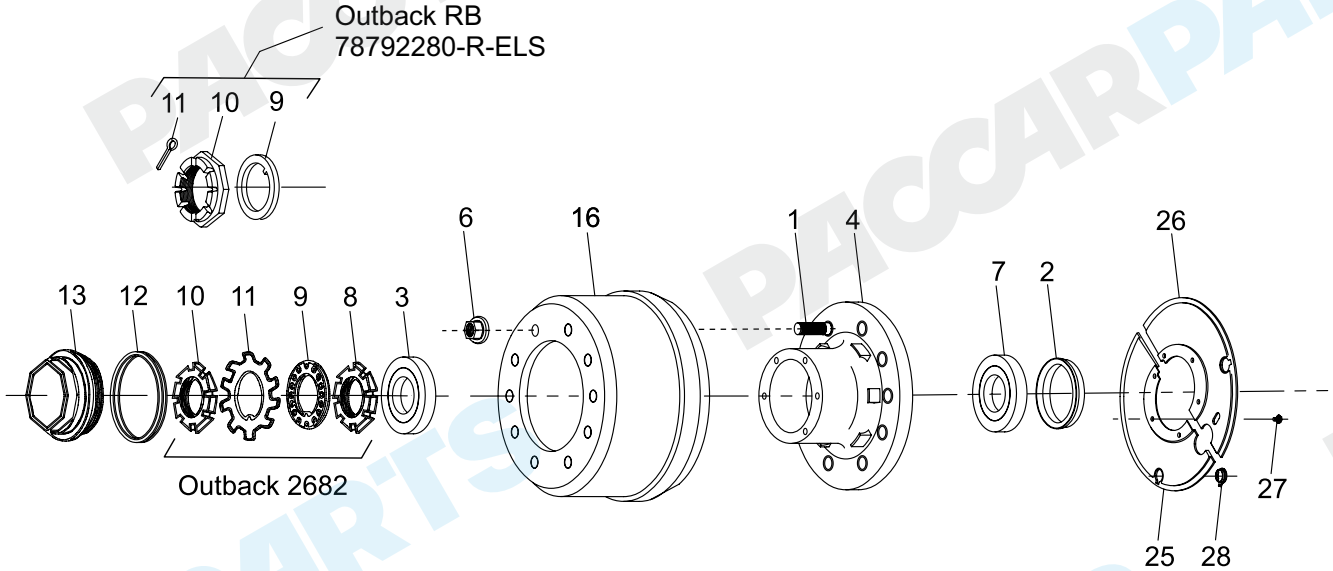
2682 / RB / 2685 OUTBACK STUD TYPE DRUM AXLES
420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	7979215601	Wheel stud SAE M22 x 117mm		20
2	79786918	Hub seal - 2682 TP		2
	79A789008	Hub seal - 78792280 RB		2
3	HM518410T1M	Bearing (cup)		2
	HM518445T1M	Bearing (cone)		2
	NP593561	Bearing (cup) - preset		2
	NP174964	Bearing (cone) - preset		2
4	79104940	Alum hub 10 x 285 PCD preset		2
	79787934	Hub/drum assy 10 x 285 PCD		2
	79787937	Hub/drum assy 10 x 335 PCD		2
	79789141	Steel hub 10 x 285 PCD		2
6	7950291701	Wheel nut M22 ISO		20
7	HM518410T1M	Bearing (cup)		2
	HM518445T1M	Bearing (cone)		2
	NP593561	Bearing (cup) - preset		2
	NP174964	Bearing (cone) - preset		2
8	7978799801	Spindle nut - 2682 TP 3.5"		2
9	79789016	Spindle lock washer - RB		2
	79792024	Spindle lock washer - 2682		2
10	7978799801	Spindle locknut 2682 TP 3.5"		2
	7978889001	Spindle castellated nut 3.48"		2
11	79787999	Locktab washer - 2682		2
	79788891	Split pin - RB 8 x 50		2
12	T04-4021	Hub cap O-Ring		2
13	79789287	Hub cap - grease threaded plastic		2
	NA	Hub cap - grease threaded steel	Optional	2
		Hub cap - oil threaded plastic		2
16	79786875	Brake drum 10 x 285 PCD		2
	NA	Brake drum 10 x 335 PCD		2
18	79SB50206402HD23	Lined brake shoe - 'P' brake		4
	79SB78790202HD23	Lined brake shoe - 'Q' brake		4
22	79786289	Return spring - cam end		2
23	79787527	Return spring - anchor end 'Q'		2
24	79787526	Anchor pin 'Q'		4
	79787723	Anchor pin - 'P' bolt on long		4
25	79786336	Dust cover - upper		2
26	79786335	Dust cover - lower		2
27	49FHM08125016	Screw dust cover M8 x 16		12
28	79500848	Plug dust cover		2
29	79787590	Enclosed cam tube mounting plate		2
30	49AWM12P	Lockwasher M12		4
31	49HBM12175020	Hex bolt M12 x 20		4
32	49AWM10P	Lockwasher M10		4
33	49HBM10150020	Hex bolt M10 x 20		4

2682 / RB / 2685 OUTBACK STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES





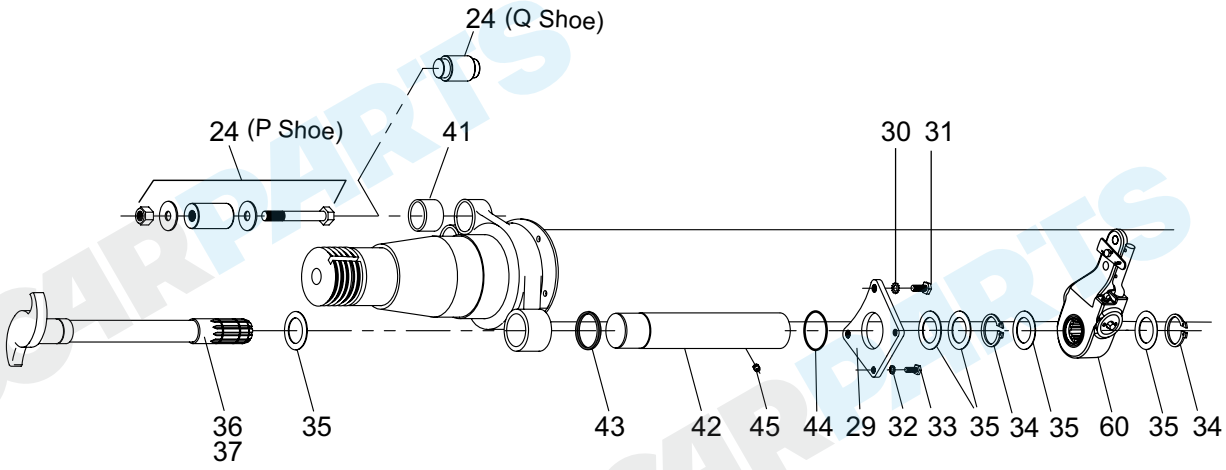


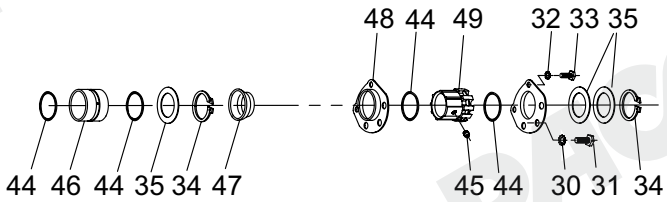
2682 / RB / 2685 OUTBACK STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		10
36	7950472317LHT	Camshaft LH (long) 627mm		1
	7950472317RHT	Camshaft RH (long) 627mm		1
37	7950472301LHT	Camshaft LH (short) 525mm	Optional	1
	7950472301RHT	Camshaft RH (short) 525mm		1
38	7950035601	Cam roller 1-¼" knurled		4
39	79500373	Cam roller retainer spring - 'Q'		2
	79787722	Cam roller retainer - bolt on		2
40	79500372	Return spring retainer		4
41	79501787	Anchor pin bush		4
42	79SB78852801	Enclosed cam tube (short) 525mm		2
	79SB78852817	Enclosed cam tube (long) 627mm		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	O-Ring seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		2
60	7921104	Automatic slack adjuster - 5 / 6 / 7"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	79788871	ABS pole wheel - 100 tooth		2
	79560464	ABS sensor pole bush		2
	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake spider		2
	79786220	Inner cam bracket		2
	79787724	Reinforcing collar 'P' brake		2
	79792103	Retaining plate 'P' brake		2
	79786330	Slack adjuster return spring		2
	NA	Spacer band - 20 x 4"		2

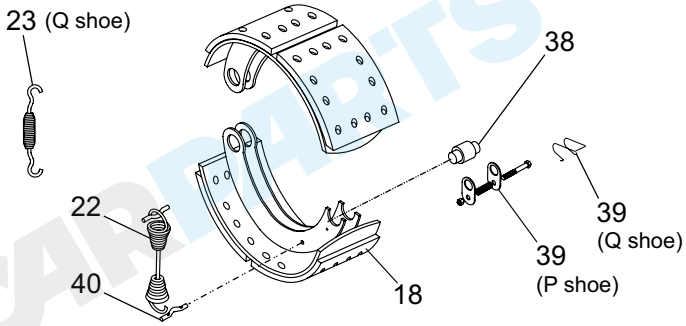
KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	7978790117	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	7965503	Hub cap window kit		2
	79SB792302	Preset kit		2

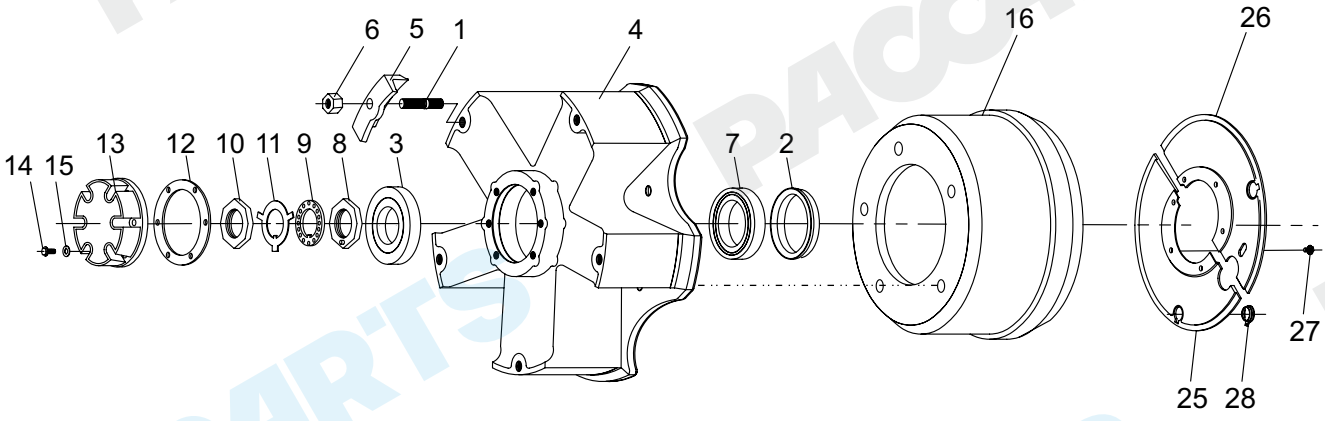
2782 / 2784 RB SPIDER DRUM AXLES
420 x 180mm BRAKES





(Open cam - non standard)



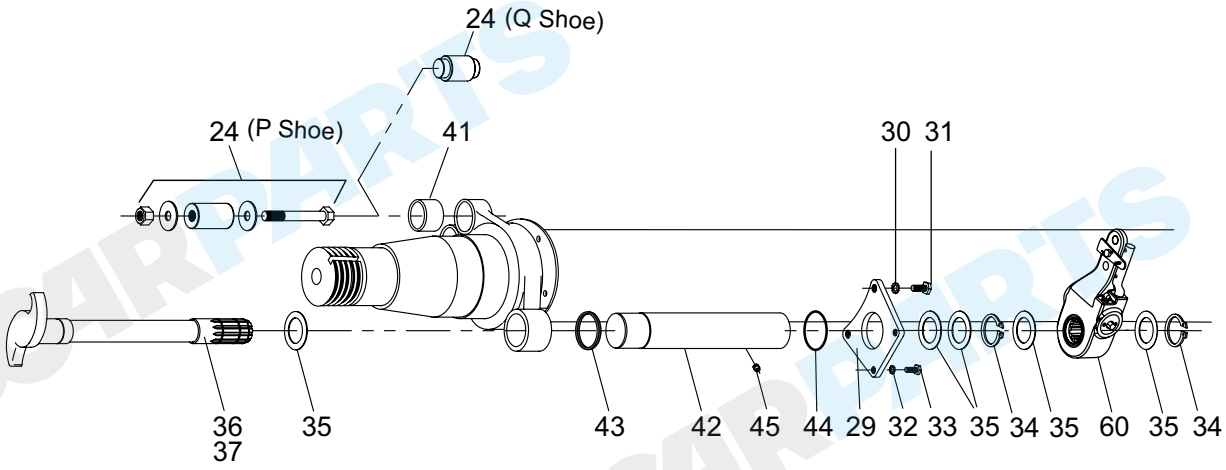


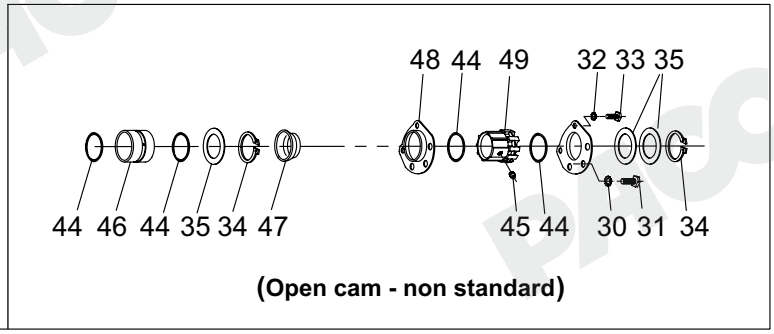
2782 / 2784 RB SPIDER DRUM AXLES
420 x 180mm BRAKES

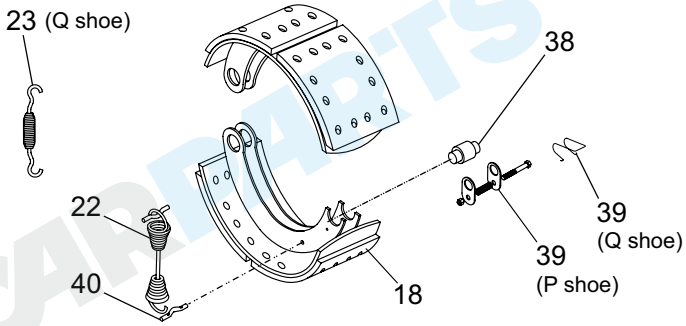
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79787581	Wheel stud ¾" UNC		10
2	79786114	Hub seal		2
3	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
4	7978794501	Hubdrum assy - dual spider		2
	NA	Spider hub assy - dual		2
		Spider hub assy - supersingle		2
5	79786869	Rim clamp - dual		10
	NA	Rim clamp - super single		10
6	79787582	Spider wheel nut 34" UNC		10
7	HM218210T1M	Inner bearing (cup) TN		2
	HM218248T1M	Inner bearing (cone) TN		2
8	79502461	Spindle nut		2
9	79501123	Spindle lockwasher		2
10	79502462	Spindle locknut		2
11	79790044	Locktab washer		2
12	79787719	Gasket - 6 hole hub cap		2
13	79501715	Hub cap - grease 6 hole		2
	79501785	Hub cap - oil 6 hole	Optional	2
14	49HB516UNC100	Hub cap stud 5/16" UNC x 1"		12
15	49AW516P	Washer 5/16" - hub cap stud		12
16	79787580	Brake drum - dual spider		2
	NA	Brake drum - supersingle		2
18	79SB78790202HD23	Lined brake shoe - 'Q' brake		4
	79SB50206402HD23	Lined brake shoe - 'P' brake	Optional	4
22	79786289	Return spring - cam end		2
23	79787527	Return spring - anchor end 'Q'		2
24	79787526	Anchor pin 'Q'		4
	79787723	Anchor pin - 'P' bolt on long	Optional	4
	79787997	Anchor pin - 'P' bolt on short		4
25	79786336	Dust cover - upper		2
26	79786335	Dust cover - lower		2
27	49FHM08125016	Screw dust cover M8 x 12		12
28	79500848	Plug dust cover		2
29	79787590	Enclosed cam tube mounting plate		2
30	49AWM12P	Lockwasher M12		8
31	49HBM12175020	Hex bolt M12 x 20		4
32	49AWM10P	Lockwasher M10		8
33	49HBM10150020	Hex bolt M10 x 20		4
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		10
36	7950472317LHT	Camshaft LH (long) 627mm		1
	7950472317RHT	Camshaft RH (long) 627mm		1
37	7950472301LHT	Camshaft LH (short) 525mm	Optional	1
	7950472301RHT	Camshaft RH (short) 525mm		1
38	7950035601	Cam roller 1-¼" knurled		4

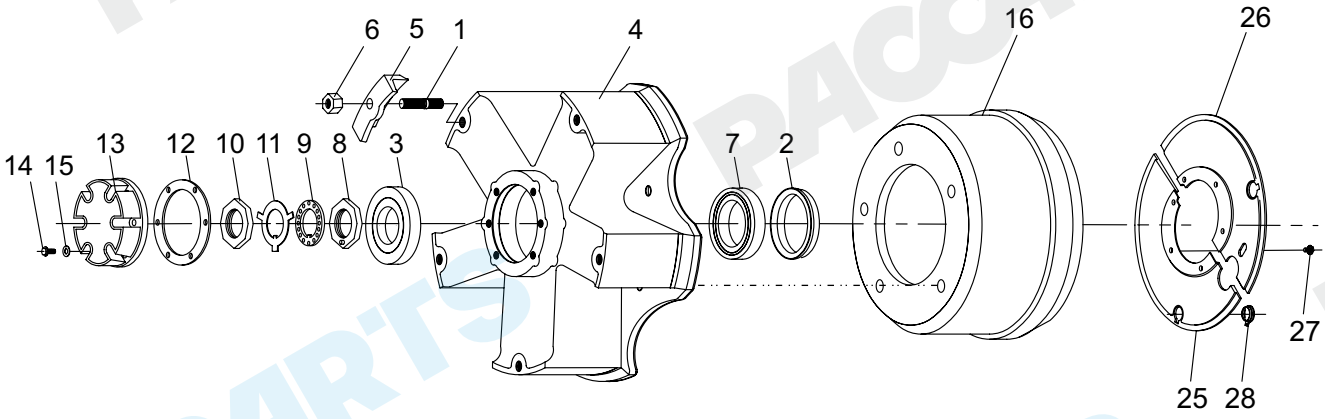
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

2782 / 2784 RB SPIDER DRUM AXLES CONTINUED
420 x 180mm BRAKES







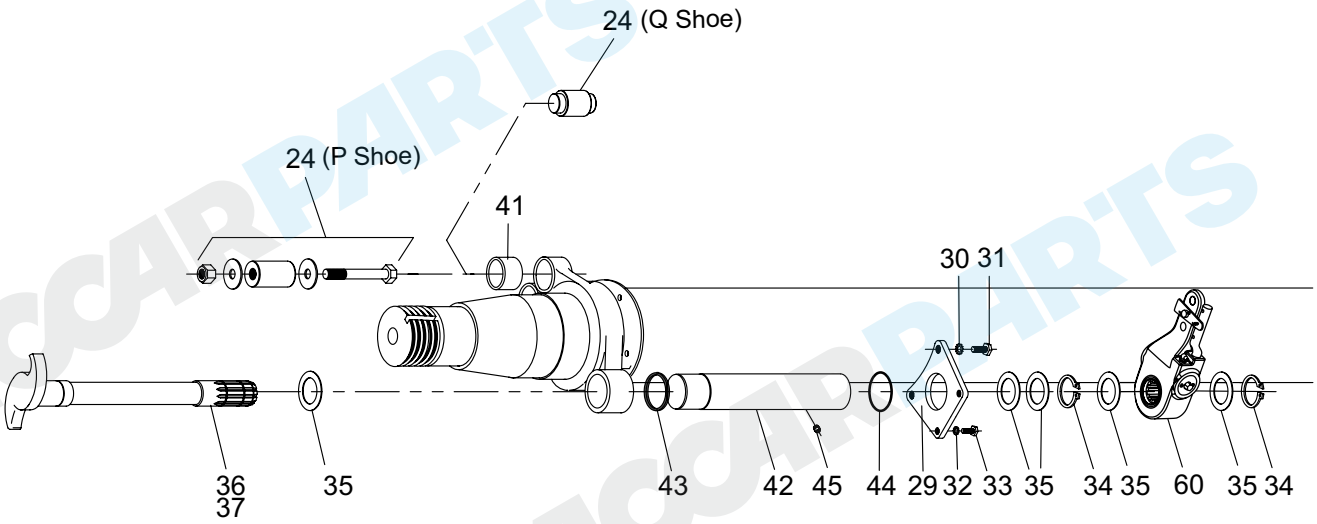


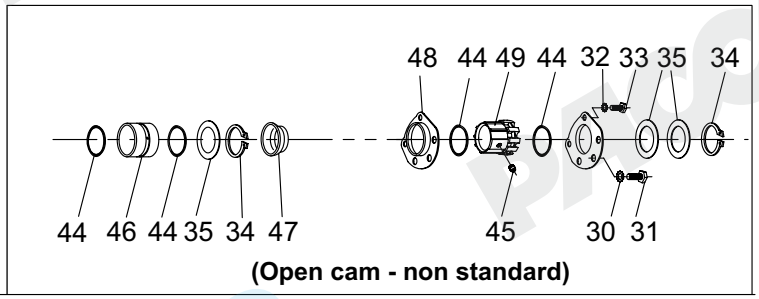
2782 / 2784 RB SPIDER DRUM AXLES CONTINUED
420 x 180mm BRAKES

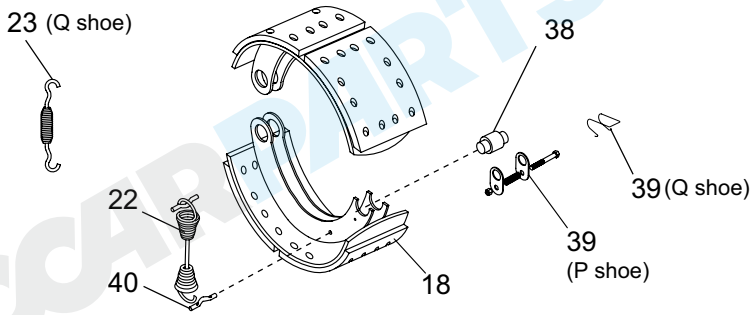
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
39	79500373	Cam roller retainer spring		2
	79787722	Cam roller retainer - bolt on	Optional	2
40	79500372	Return spring retainer		4
41	79501787	Anchor pin bush		4
42	79SB78852801	Enclosed cam tube (short) 525mm		2
	79SB78852817	Enclosed cam tube (long) 627mm		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	O-Ring Seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		2
	79792107	Grease nipple - ⅛" BSP straight		2
46	79787923	Outer Cam Bush		2
47	79500686	Dust seal		2
48	79500363	Spherical bush housing		4
49	79500362	Spherical bush		2
60	7921104	Automatic slack adjuster - 5 / 6 / 7"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake spider		2
	79786220	Inner cam bracket		2
	79786330	Slack adjuster return spring		2

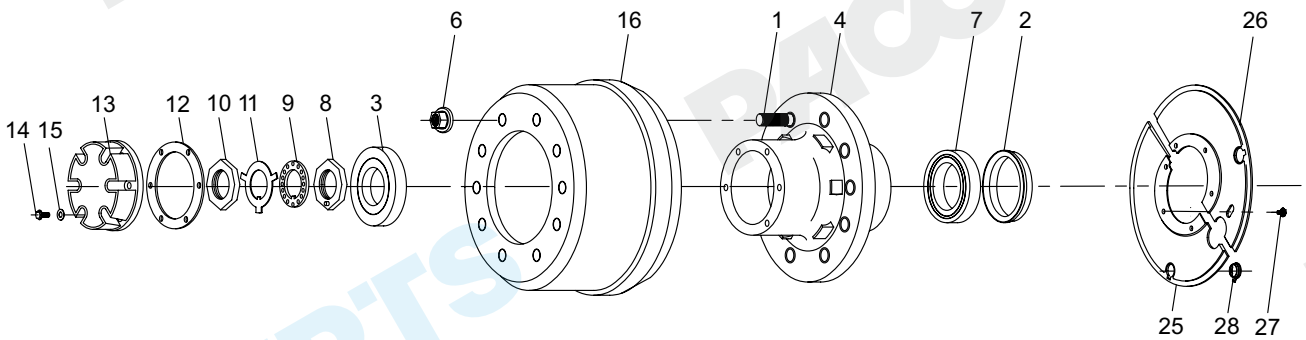
KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	79ABS003	Complete ABS kit		1
	7978790117	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	79787904	Non enclosed cam repair kit		1
	7965503	Hub cap window kit		2

2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES
420 x 180mm BRAKES





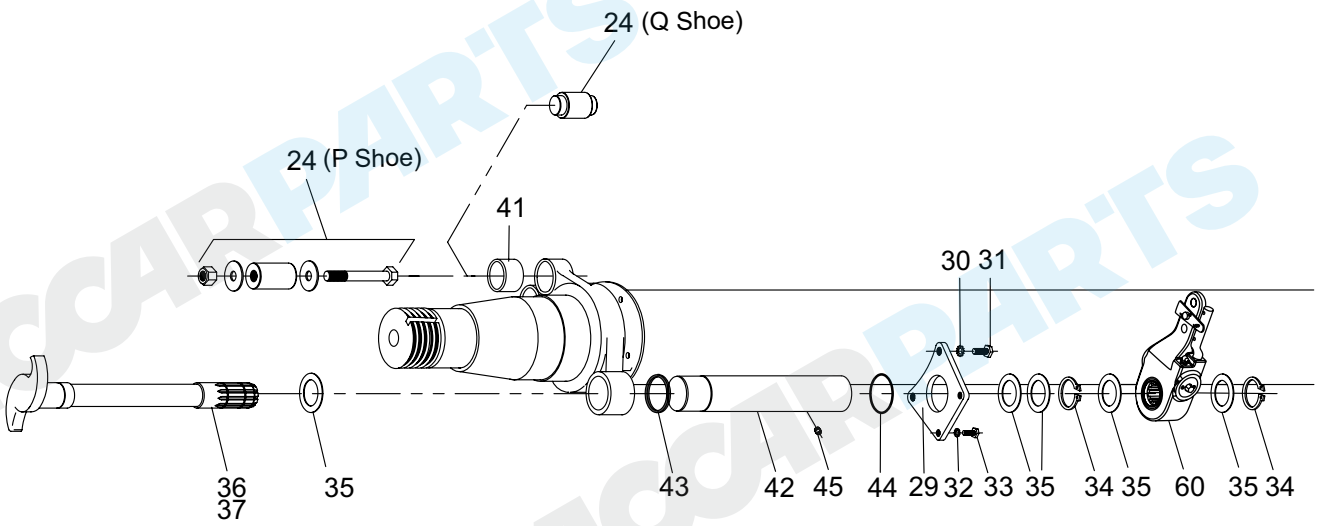


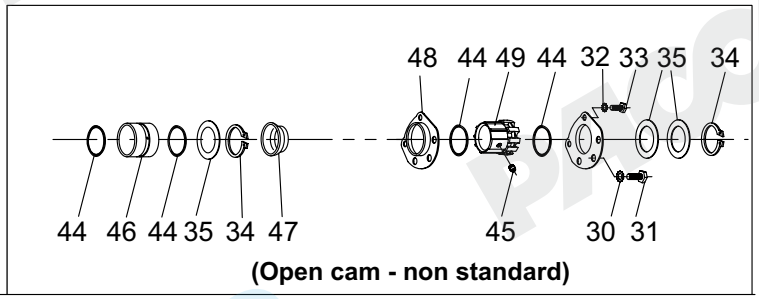


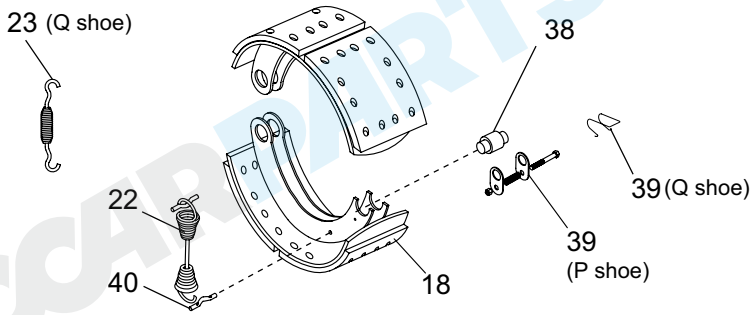
2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES
420 x 180mm BRAKES

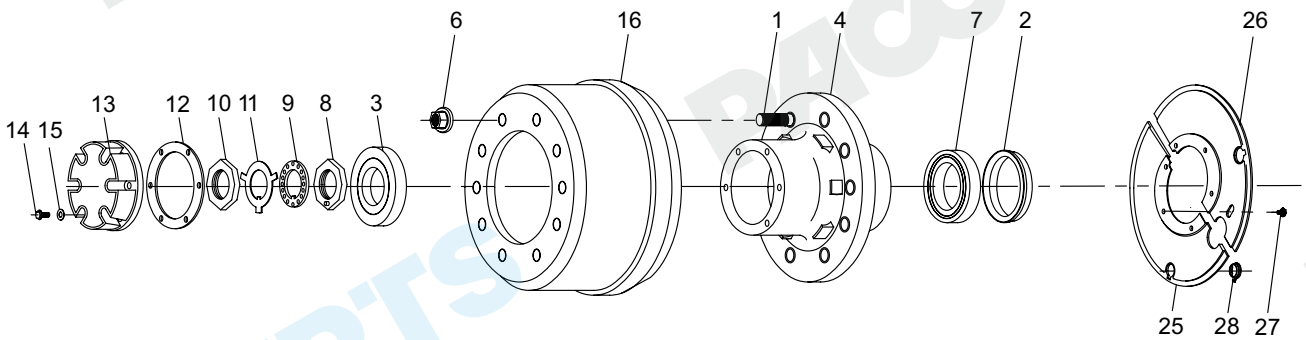
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79102190	Wheel stud M22 long AL hub 126mm		20
	79786506	Wheel stud Jap RH M20		12/16
	79786507	Wheel stud Jap LH M20		12/16
	79792155	Wheel stud SAE M22 x 100mm	Optional	16/20
	7979215601	Wheel stud SAE M22 x 117mm		16/20
	NA	Wheel stud M22 short AL hub		20
2	79786114	Hub seal		2
	79991067	Hub seal preset	Optional	2
3	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
	NP026773	Outer bearing (cup) preset		2
	NP899357	Outer bearing (cone) preset		2
4	7910005480	Alum hub 10 x 285PCD preset		2
	7910036738	Alum hub 10 x 335PCD preset		2
	79787531	Steel hub 10 x 285 PCD		2
	79787712	Steel hub 10 x 335 PCD		2
	79787891	Steel hub 8 x 285 PCD (Jap)		2
	NA	Steel hub 10 x 335 PCD (pre '95)		2
6	7950291701	Wheel nut M22 ISO		20
	79790001	Japanese wheel nut set RH		6
	79790002	Japanese wheel nut set LH		6
7	HM218210T1M	Inner bearing (cup) TN		2
	HM218248T1M	Inner bearing (cone) TN		2
	NP503727	Inner bearing (cup) preset		2
	NP965350	Inner bearing (cone) preset		2
8	79502461	Spindle nut		2
9	79501123	Spindle lockwasher		2
10	79502462	Spindle locknut		2
11	79790044	Locktab washer		2
12	79787719	Gasket - 6 hole hub cap		2
13	79501715	Hub cap - grease 6 hole		2
	79786215	Hub cap - grease 3 hole		6
	79501785	Hub cap - oil 6 hole	Optional	2
14	49HB516UNC100	Hub cap stud 5/16" UNC x 1"		12
	49HBM08125025P	Hub cap stud M8 x 25mm		12
15	49AW516P	Washer 5/16" - hub cap stud		12
16	79786875	Brake drum 10 x 285 PCD		2
	79787571	Brake drum 10 x 335 PCD		2
	79790204	Brake drum 8 x 285 PCD Jap		2
	79792328	Brake drum 10 x 285 PCD Cfuse		2
18	79SB78790202HD23	Lined brake shoe - 'Q' brake		4
	79SB50206402HD23	Lined brake shoe - 'P' brake	Optional	4
22	79786289	Return spring - cam end		2
23	79787527	Return spring - anchor end 'Q'		2

2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES





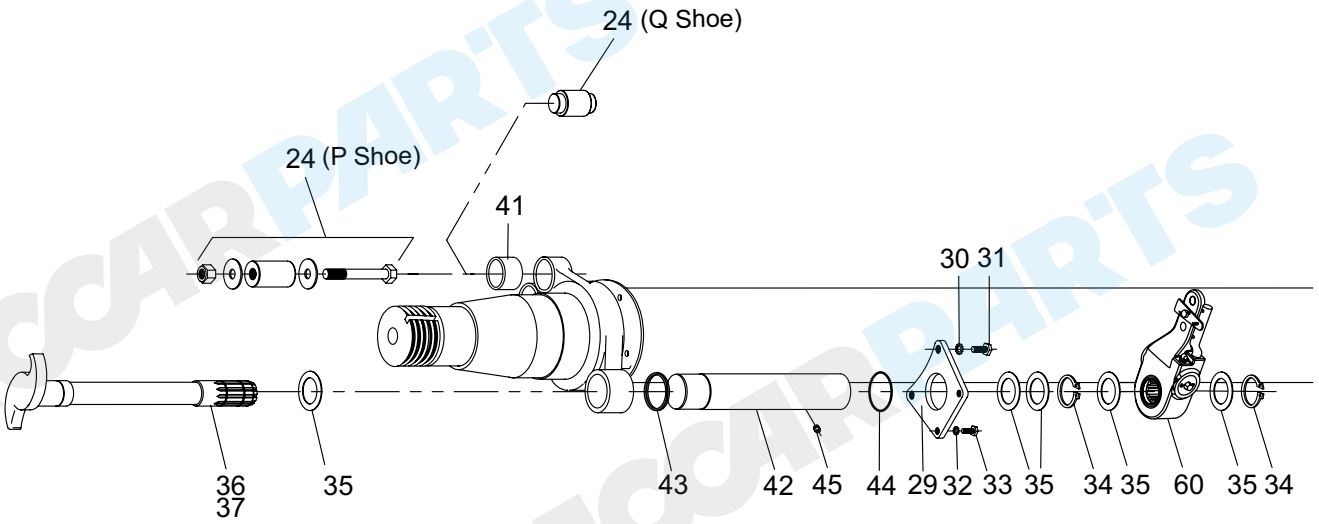


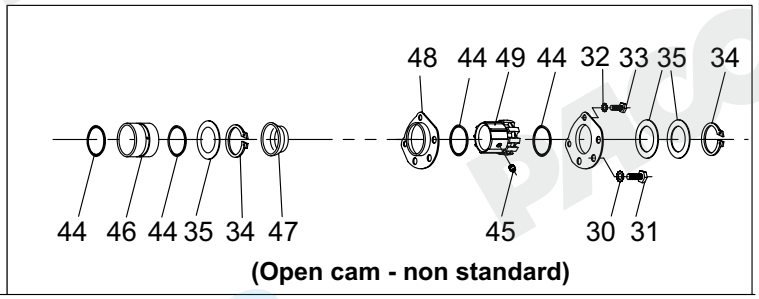


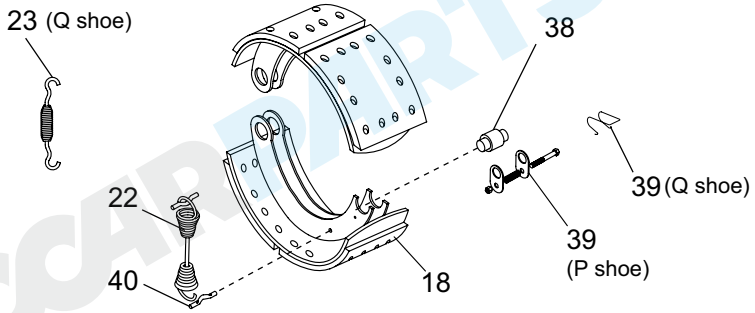
2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES

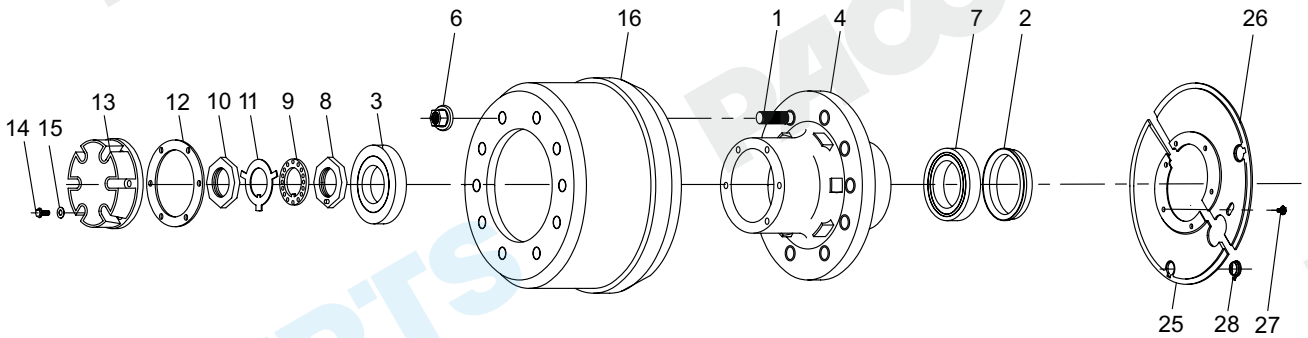
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
24	79787526	Anchor pin 'Q'		4
	79787723	Anchor pin - 'P' bolt on long	Optional	4
	79787997	Anchor pin - 'P' bolt on short		4
25	79786336	Dust cover - upper		2
26	79786335	Dust cover - lower		2
27	49FHM08125016	Screw dust cover M8 x 12		12
28	79500848	Plug dust cover		2
29	79787590	Enclosed cam tube mounting plate		2
30	49AWM12P	Lockwasher M12		8
31	49HBM12175020	Hex bolt M12 x 20		4
32	49AWM10P	Lockwasher M10		8
33	49HBM10150020	Hex bolt M10 x 20		4
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		10
36	7950472317LHT	Camshaft LH (long) 627mm		1
	7950472317RHT	Camshaft RH (long) 627mm		1
37	7950472301LHT	Camshaft LH (short) 525mm	Optional	1
	7950472301RHT	Camshaft RH (short) 525mm		1
38	7950035601	Cam roller 1-¼" knurled		4
39	79500373	Cam roller retainer spring		2
	79787722	Cam roller retainer - bolt on	Optional	2
40	79500372	Return spring retainer		4
41	79501787	Anchor pin bush		4
42	79SB78852801	Enclosed cam tube (short) 525mm		2
	79SB78852817	Enclosed cam tube (long) 627mm		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	O-Ring seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		2
	79792107	Grease nipple - ⅛" BSP straight		2
46	79787923	Outer cam bush		2
47	79500686	Dust seal		2
48	79500363	Spherical bush housing		4
49	79500362	Spherical bush		2
60	7921104	Automatic slack adjuster - 5 / 6 / 7"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	79105459	ABS pole wheel - 100T (alum hub)		2
	79788871	ABS pole wheel - 100T (steel hub)		2
	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake Spider		2
	79786220	Inner cam bracket		2
	79104144	Preset hub bearing spacer		2
	79786330	Slack adjuster return spring		2

2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES





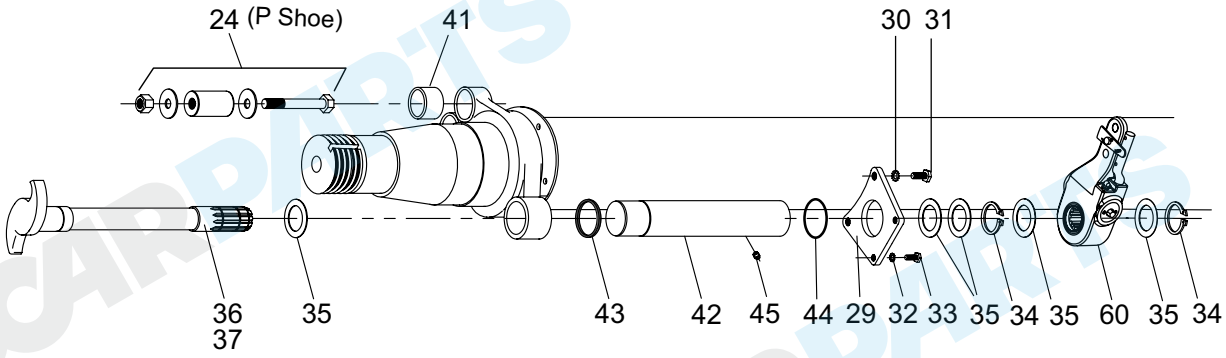


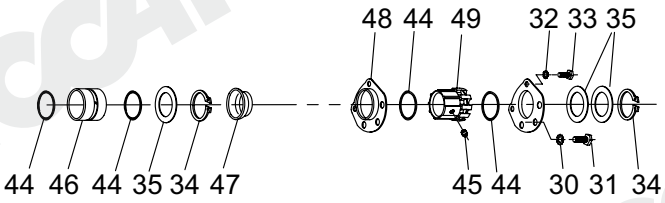


2782 / 2784 / RB / 2785 STUD TYPE DRUM AXLES CONTINUED
420 x 180mm BRAKES

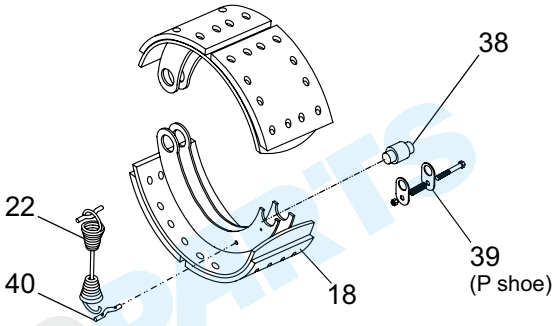
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	79ABS004	Complete ABS kit alloy hub		1
	79ABS003	Complete ABS kit steel hub		1
	7978790117	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	79787904	Non enclosed cam repair kit		1
	7965503	Hub cap window kit		2
	79SB792312	Preset bearing kit		2

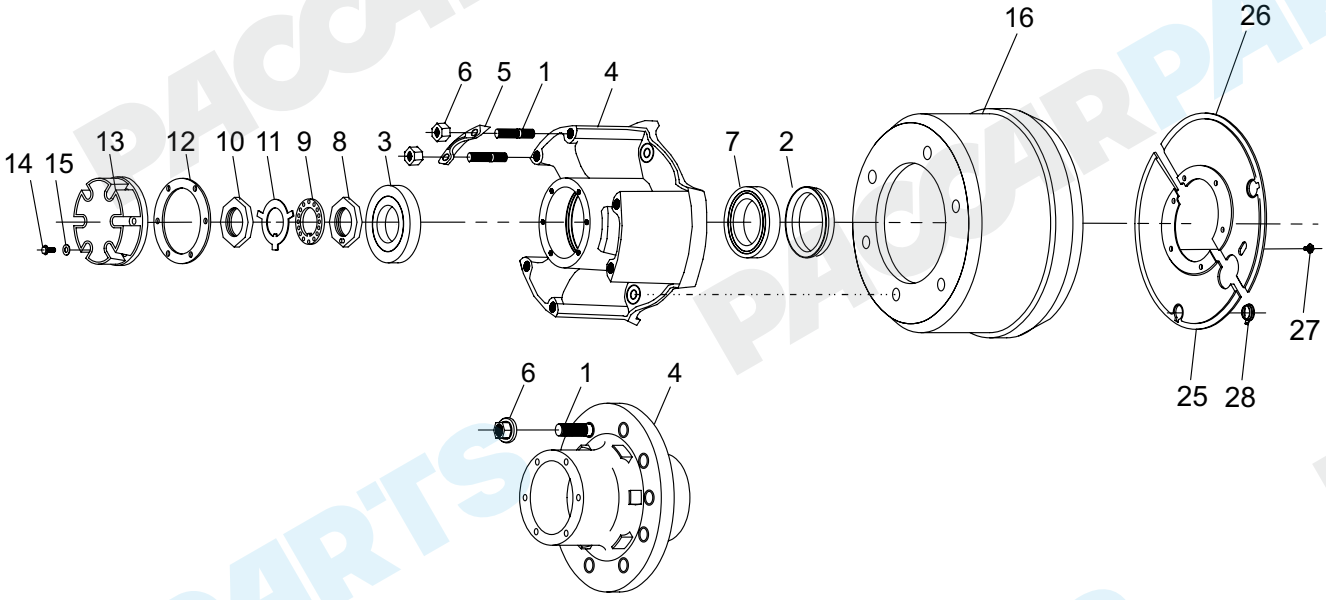
2783 DRUM AXLES
311 x 178mm BRAKES





(Open cam - non standard)



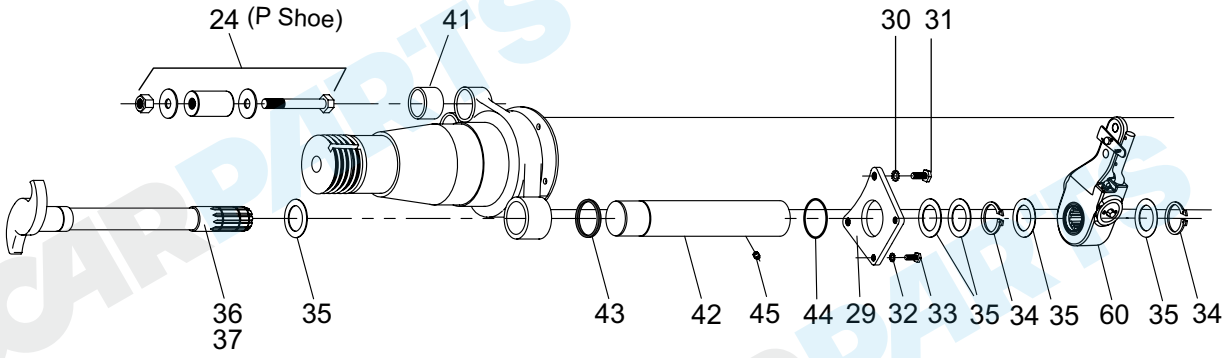


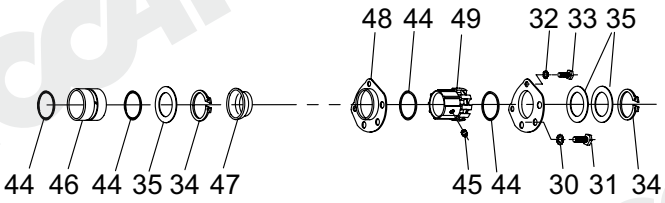
2783 DRUM AXLES
311 x 178mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79786506	Wheel stud Jap RH M20		6
	79786507	Wheel stud Jap LH M20		6
	79787581	Wheel stud ¾" UNC		6
	79792155	Wheel stud SAE M22x100mm		12 / 20
	7979215601	Wheel stud SAE M22x117mm		12 / 20
2	79786114	Hub seal		2
3	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
4	79787595	Steel hub 6 x 222 PCD		2
	79792316	3 spoke spider hub - dual		2
	79SB792161	Steel hub 10 x 225 PCD (Inboard)		2
	79SB792313	Spider hub/drum assy		2
5	793314	Rim Clamp		2
6	7950291701	Wheel nut M22 ISO		20
	79787582	Wheel nut ¾" UNC		12
	79790001	Japanese wheel nut set RH		6
	79790002	Japanese wheel nut set LH		6
7	HM218210T1M	Inner bearing (cup) TN		2
	HM218248T1M	Inner bearing (cone) TN		2
8	79502461	Spindle Nut		2
9	79501123	Spindle lockwasher		2
10	79502462	Spindle locknut		2
11	79790044	Locktab washer		2
12	79787719	Gasket - 6 hole hub cap		2
13	79501715	Hub cap - grease 6 hole		2
	79786215	Hub cap - grease 3 hole		2
	79501785	Hub cap - oil 6 hole	Optional	2
14	49HB516UNC100	Hub cap stud 5/16" UNC x 1"		12
	49HBM08125025P	Hub cap stud M8x25mm		12
15	49AW516P	Washer 5/16" - hub cap stud		12
16	79787598	Brake drum 6 x 222 pcd (Inboard mount drum) 311 x 178		2
	79792164	Brake drum 10 x 225 pcd (Inboard mount drum) 311 x 178		2
	NA	Brake drum 15" spider	Use 795B792313	2
		Brake drum 10 x 225 pcd (Inboard mount drum) 311 x 127	311 x 127 brake shoes & axles are no longer available	2
		Brake drum 10 x 225 pcd (Inboard mount drum) 311 x 127 (narrow) RO8		2
		Brake drum 6 x 222 pcd (Inboard mount drum) 311 x 127		2
18	7950224602	Lined brake shoe 311 x 178		4
	NA	Lined brake shoe 311 x 127	311 x 127 brake shoes & axles are no longer available	4
22	79501551	Return Spring		2
24	79787997	Anchor pin - 'P' bolt on short		2
25	79501576	Dust cover - RH		2
26	79501577	Dust cover - LH		2
27	49FHM08125016	Screw dust cover M8 x 16		12
28	79500848	Plug dust cover		2
29	79787590	Enclosed cam tube mounting plate		2

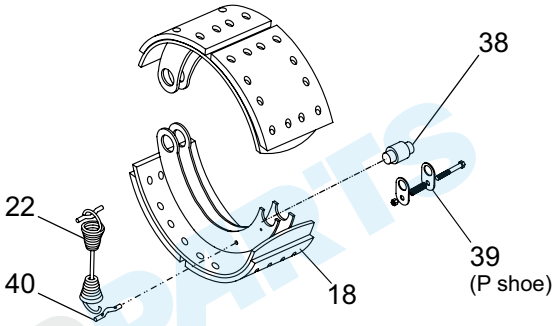
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

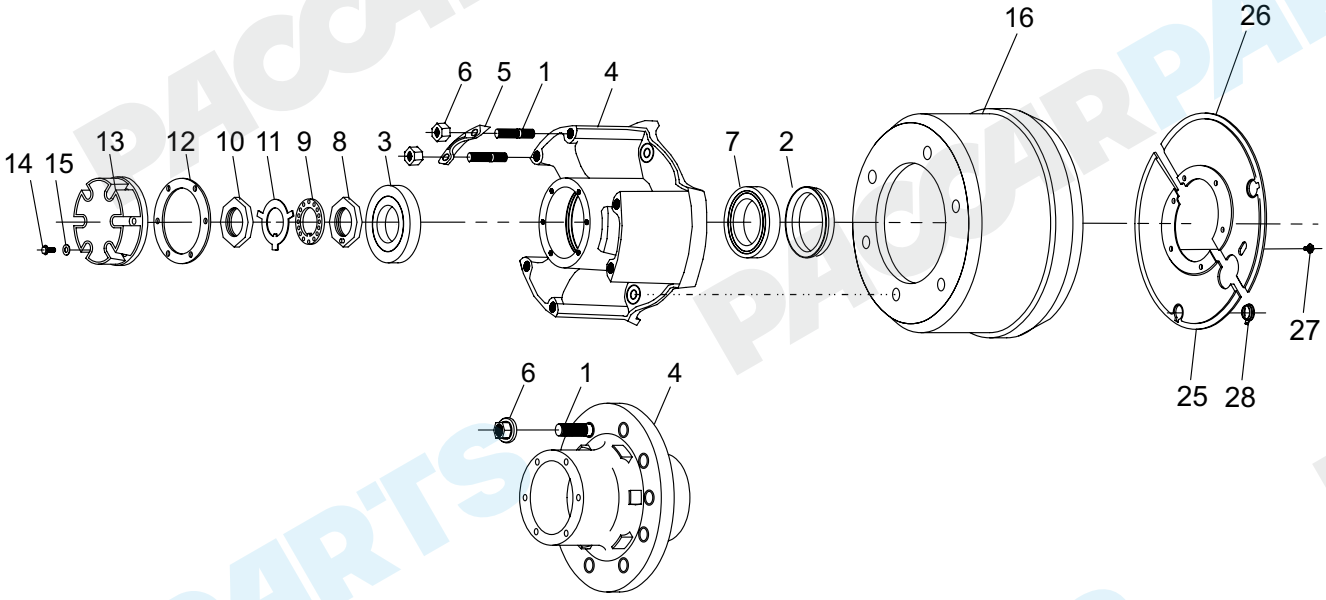
2783 DRUM AXLES CONTINUED
311 x 178mm BRAKES





(Open cam - non standard)





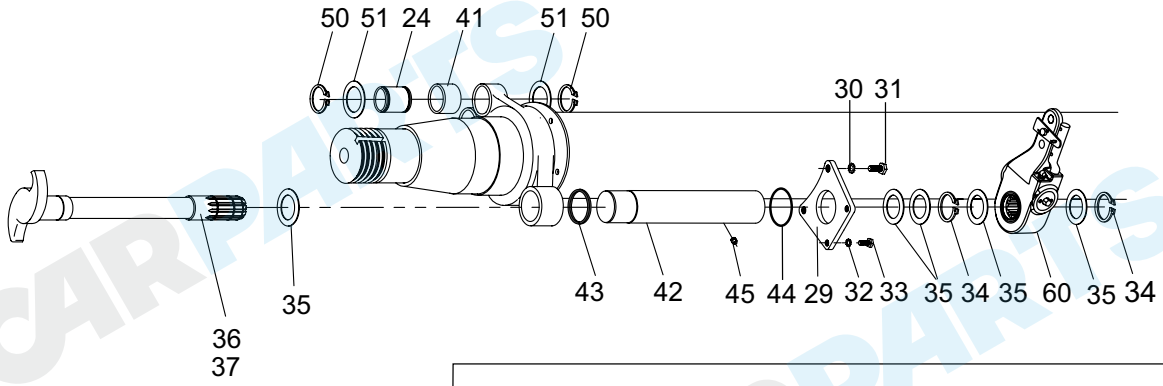
2783 DRUM AXLES CONTINUED
311 x 178mm BRAKES

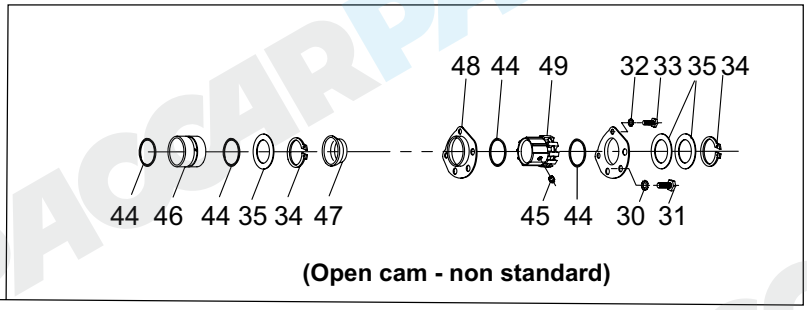
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	49AWM12P	Lockwasher M12		6
31	49HBM12175020	Hex bolt M12 x 20		6
32	49AWM10P	Lockwasher M10		4
33	49HBM10150020	Hex bolt M10 x 20		4
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		4
36	7950474219LHT	Camshaft LH (long) 616mm		1
	7950474219RHT	Camshaft RH (long) 616mm		1
37	7950474201LHT	Camshaft LH (short) 525mm	Optional	1
	7950474201RHT	Camshaft RH (short) 525mm		1
	7950781002LHT	Camshaft LH (RO8) 160mm		1
	7950781002RHT	Camshaft RH (RO8) 160mm		1
	NA	Camshaft RH (RO8) 126mm		1
		Camshaft LH (RO8) 126mm		1
38	7950035601	Cam roller 1-¼" knurled		4
39	79787722	Cam roller retainer - bolt on		4
40	79500372	Return spring retainer		4
41	79501787	Anchor Pin Bush		4
42	79SB78852801	Enclosed cam tube (short) 525mm		2
	79SB78852819	Enclosed cam tube (long) 616mm		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	'O' Ring Seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		4
	79792107	Grease nipple - ⅛" BSP straight		4
46	79787923	Outer cam bush		4
47	79500686	Dust seal		4
48	79501574	Spherical bush housing		4
49	79500362	Spherical bush		4
60	7921153	Automatic slack adjuster - 5 / 6"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	79105459	ABS pole wheel - 100T (alum hub)		2
	79788871	ABS pole wheel - 100T (steel hub)		2
	79560464	ABS sensor pole bush		2
	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake spider		2
	79787752	Inner cam bracket		2
	79786330	Slack adjuster return spring		2
	NA	Spacer band - 15 x 4"		2

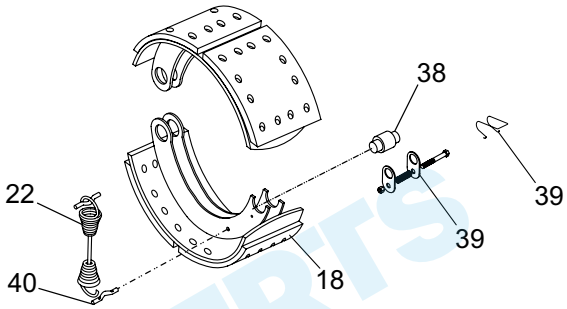
KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	7978790119	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	79787904	Non enclosed cam repair kit		1
	7965503	Hub cap window kit		2

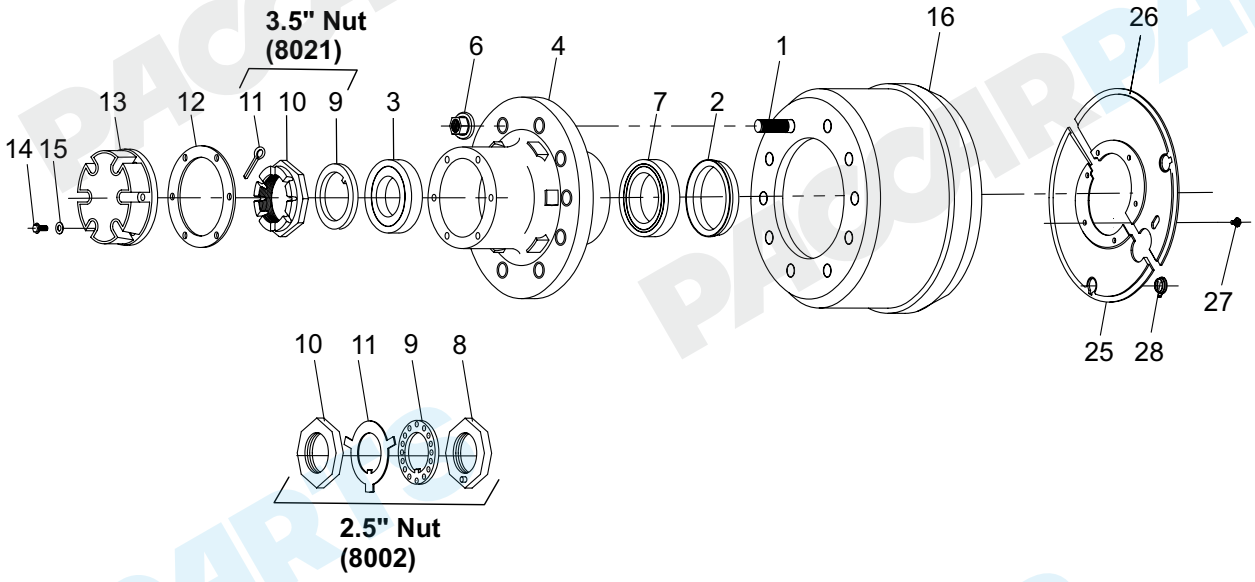
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2800 HEAVY DUTY DRUM AXLES
420 x 220mm BRAKES





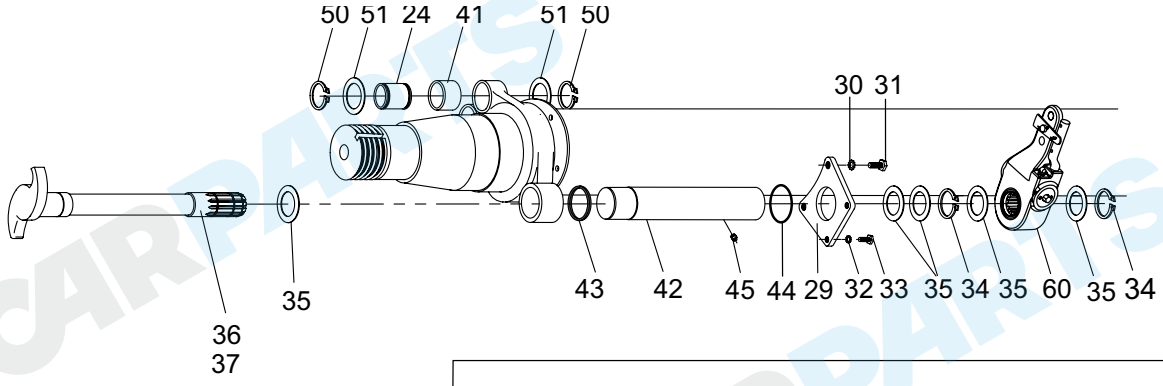


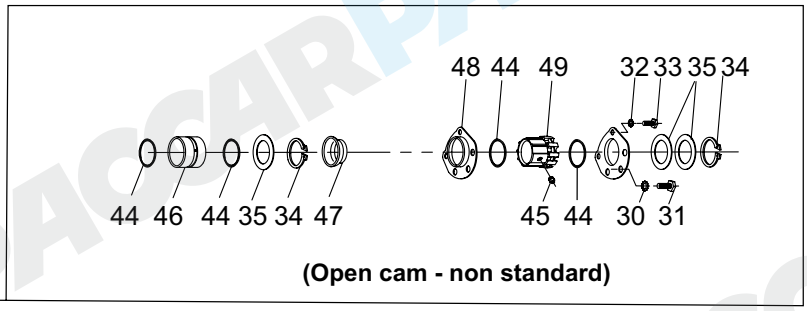


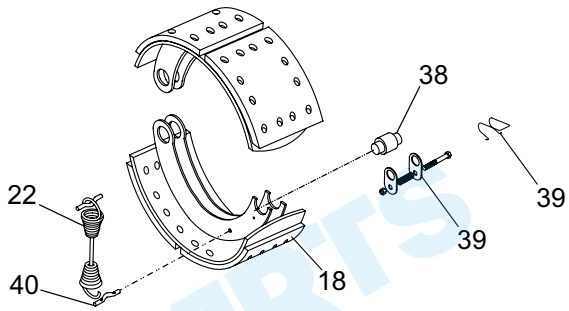
2800 HEAVY DUTY DRUM AXLES
420 x 220mm BRAKES

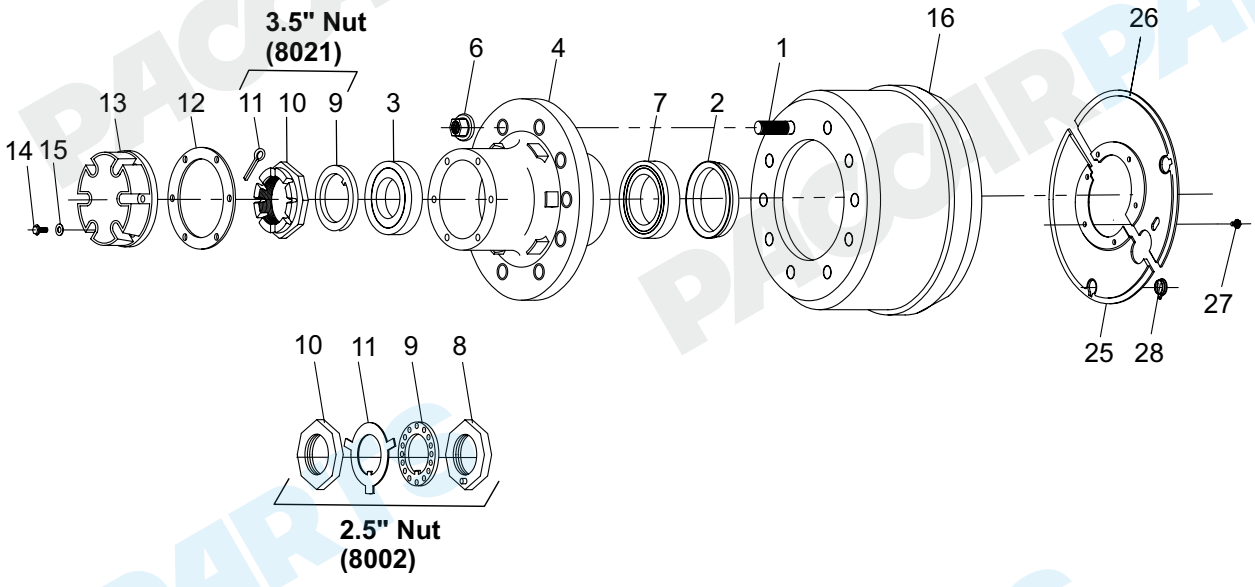
ITEM NO.	PART NO.	DESCRIPTION	QTY/ AXLE
1	79786111	Wheel stud BS M22 x 100mm	20
	79786511	Wheel stud BS M22 x 124mm	20
	79790307	Wheel stud BS M24 x 100mm	20
2	393-0173	Hub seal TQ	2
3	HM218210T1M	Outer bearing (cup) TN	2
	HM218248T1M	Outer bearing (cone) TN	2
4	79788805	Steel hub 10 x 335 PCD (M22)	2
	79790352	Steel hub 10 x 335 PCD (M24)	2
6	7950291701	Wheel nut M22 ISO	20
	79786112	Wheel nut M24 ISO	20
7	HM220110ZT1M	Inner bearing (cup) TQ	2
	HM220149ZT1M	Inner bearing (cone) TQ	2
8	79502461	Spindle nut - 2.5"	2
9	79501123	Spindle lockwasher - 2.5"	2
	79788889	Spindle thrust washer - 3.5"	2
10	79502462	Spindle locknut - 2.5"	2
	79788890	Spindle castellated nut - 3.5"	2
11	79788891	Split pin - 8 x 50	2
	79790044	Locktab washer - 2.5"	2
12	79502472	Gasket - 6 hole hub cap	2
13	79788901Y0RK	Hub cap - grease 6 hole	2
14	49HB08125040	Hub cap stud M8 x 40mm	12
15	49AW516P	Washer 5/16" - hub cap stud	12
16	79788801	Brake drum 10 x 335PCD (M22)	2
	79790354	Brake drum 10 x 335PCD (M24)	2
18	79SB50206502AF237	Lined brake shoe - 'P' brake 420 x 220	4
22	79786289	Return spring - cam end	2
24	79501995	Anchor pin - 'P' brake	4
25	79786336	Dust cover - RH (8002)	2
	79790070	Dust cover - RH (8021 / 8003)	2
26	79786335	Dust cover - LH (8002)	2
	79790069	Dust cover - LH (8021 / 8003)	2
27	49FHM08125016	Screw dust cover M8 x 12	12
28	79500848	Plug dust cover	2
29	79787590	Enclosed cam tube mounting plate	2
30	49AWM12P	Lockwasher M12	8
31	49HBM12175020	Hex bolt M12 x 20	4
32	49AWM10P	Lockwasher M10	8
33	49HBM10150020	Hex bolt M10 x 20	4
34	79500374	Camshaft circlip	4
35	79500358	Camshaft washer	10
36	7950472317LHT	Camshaft LH (long) 627mm	1
	7950472317RHT	Camshaft RH (long) 627mm	1

2800 HEAVY DUTY DRUM AXLES CONTINUED
420 x 220mm BRAKES







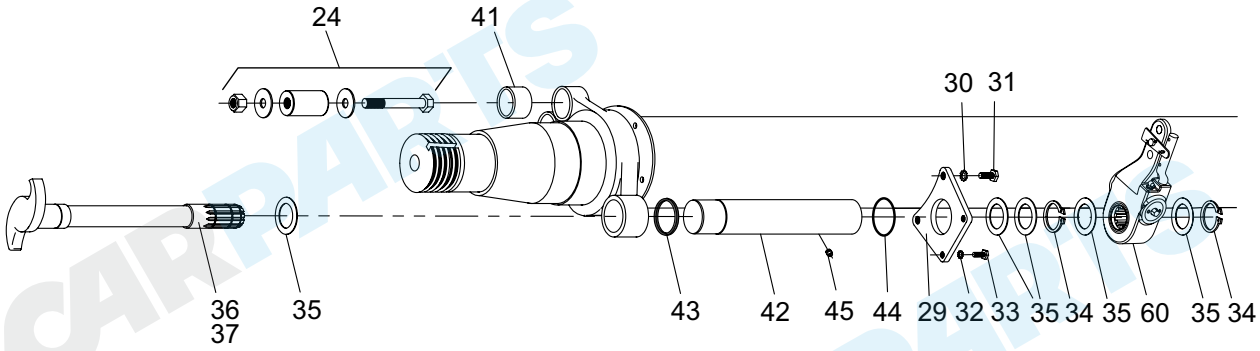


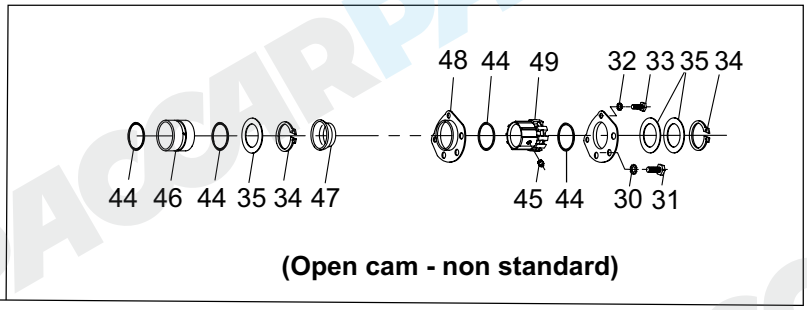
2800 HEAVY DUTY DRUM AXLES CONTINUED
420 x 220mm BRAKES

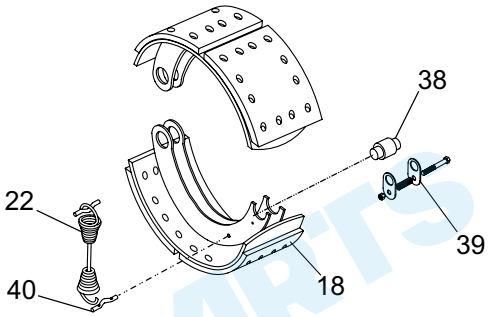
ITEM NO.	PART NO.	DESCRIPTION	QTY/ AXLE
37	7950472301LHT	Camshaft LH (short) 525mm	1
	7950472301RHT	Camshaft RH (short) 525mm	1
38	7950035601	Cam roller 1-¼" knurled	4
39	79500373	Cam roller retainer spring	4
	79787722	Cam roller retainer - bolt on	4
40	79500372	Return spring retainer	4
41	79501787	Anchor pin bush	4
42	79SB78852801	Enclosed cam tube (short) 525mm	2
	79SB78852817	Enclosed cam tube (long) 627mm	2
43	79787721	Seal - hub end enclosed cam	2
44	79500375	O-Ring seal - inner end enclosed cam	2
45	79786885	Grease nipple - 6mm straight	2
	79792107	Grease nipple - ⅛" BSP Straight	2
46	79786123	Outer cam bush - nylon	2
	79787923	Outer cam bush - vesconite	2
47	79500686	Dust seal	2
48	79500363	Spherical bush housing	4
49	79500362	Spherical bush	2
50	79758525	Anchor pin circlip	4
51	79501996	Anchor pin washer	4
60	7921104	Automatic slack adjuster - 5 / 6 / 7"	2
	79787905	Manual slack adjuster - 5 / 6 / 7"	2
NS	79506221	Booster bracket	2
	79786275	Brake spider 420 x 180	2
	79788813	Brake spider 420 x 220	2
	79507327	Grease nipple extension - 52mm	2
	79786220	Inner cam bracket	2
	79786330	Slack adjuster return spring	2

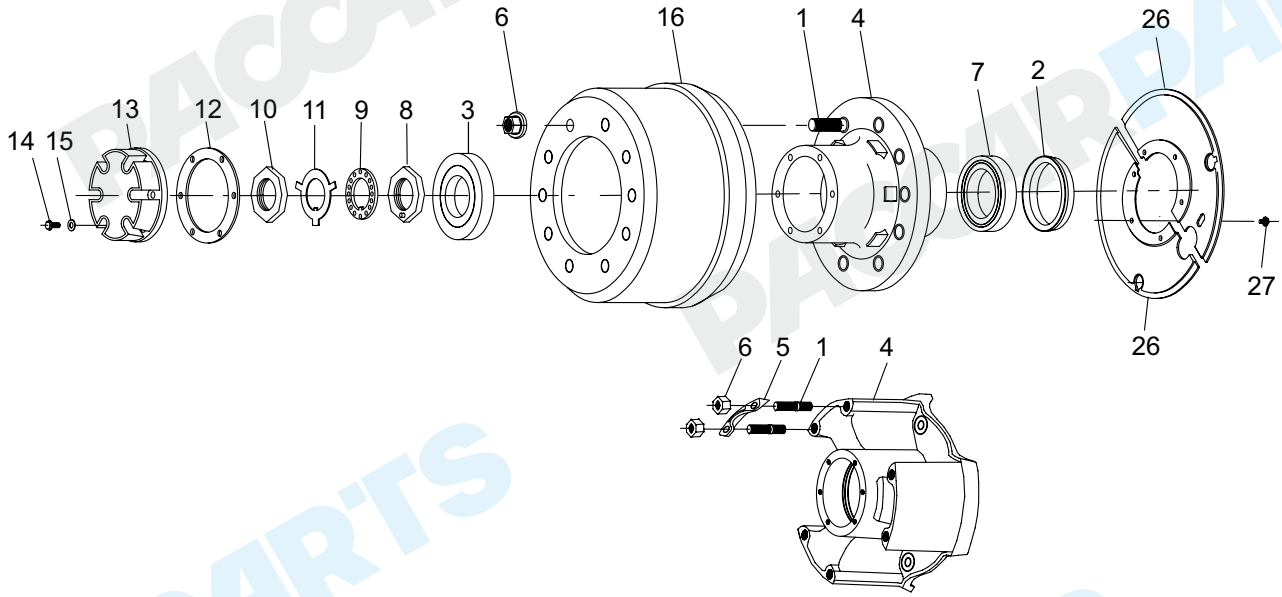
KIT PART NUMBER LISTING			
KIT	7978790117	Enclosed cam kit - long cam	1
	7978790101	Enclosed cam kit - short cam	1
	79787904	Non enclosed cam repair kit	1

2950 DRUM AXLES
335 x 210mm BRAKES







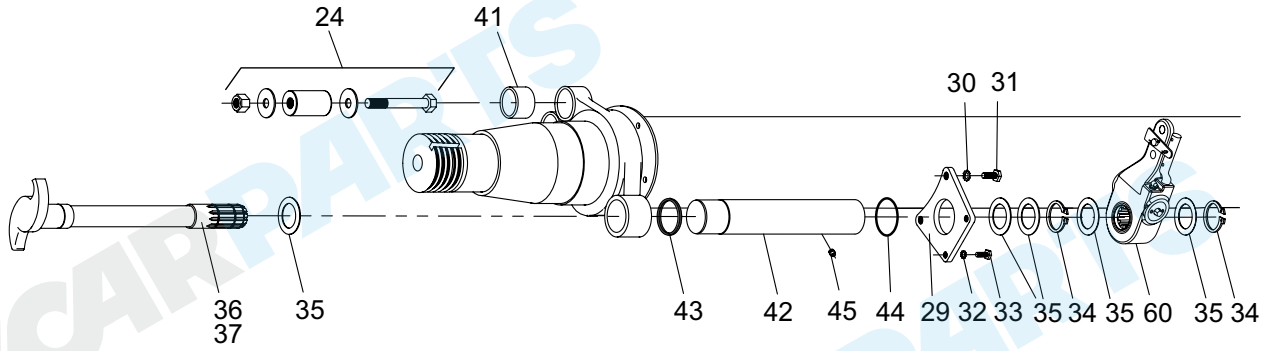


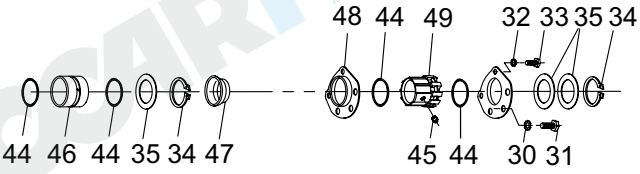
2950 DRUM AXLES
335 x 210mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79102190	Wheel stud M22 long AL hub		20
	79786506	Wheel stud Jap RH M20		6
	79786507	Wheel stud Jap LH M20		6
	79787581	Wheel stud ¾" UNC		12
	79792155	Wheel stud SAE M22 x 100mm		16/20
	7979215601	Wheel stud SAE M22 x 117mm		16/20
	NA	Wheel stud M22 short AL hub		20
2	79786114	Hub seal		2
3	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
	NP026773	Outer bearing (cup) preset		2
	NP899357	Outer bearing (cone) preset		2
4	7910008846	Alum hub 8 x 275 PCD (preset)		2
	79787705	Steel hub 8 x 275 PCD (O/B)		2
	79792161	Steel hub 10 x 225 PCD (I/B)		2
	79792316	3 spoke spider hub - dual		2
	NA	Steel hub 8 x 225 PCD (I/B)		2
		Steel hub 8 x 285 PCD (Jap)		2
5	793314	Rim clamp		6
6	7950291701	Wheel nut M22 ISO		20
	79787582	Wheel nut ¾" UNC		12
	79790001	Japanese wheel nut set RH		6
	79790002	Japanese wheel nut set LH		6
7	HM218210T1M	Inner bearing (cup) TN		2
	HM218248T1M	Inner bearing (cone) TN		2
	NP503727	Inner bearing (cup) preset		2
	NP965350	Inner bearing (cone) preset		2
8	79502461	Spindle nut		2
9	79501123	Spindle lockwasher		2
10	79502462	Spindle locknut		2
11	79790044	Locktab washer		2
12	79787719	Gasket - 6 hole hub cap		2
13	79501715	Hub cap - grease 6 hole		2
	79786215	Hub cap - grease 3 hole		2
	79501785	Hub cap - oil 6 hole	Optional	2
14	49HB516UNC100	Hub cap stud 5/16" UNC x 1"		12
	49HBM08125025P	Hub cap stud M8 x 25mm		12
15	49AW516P	Washer 5/16" - hub cap stud		12
16	79786856	Brake drum spider		2
	79787704	Brake drum 8 x 275 PCD (O/B)		2
	79789234	Brake drum 8 x 285 PCD (Jap)		2
	79792162	Brake drum 8 x 225 PCD (I/B)		2
	79SB792163100	Brake drum ASSY 10 x 225 PCD 335 x 210 100mm Studs		2
	79SB792163117	Brake Drum ASSY 10 x 225 PCD 335 x 210 117mm Studs		2
18	7978765002	Lined brake shoe (bonded)		4
22	79506498	Return Spring		2
24	79787997	Anchor pin - 'P' bolt on short		4

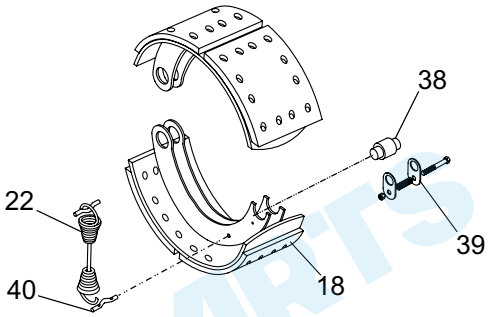
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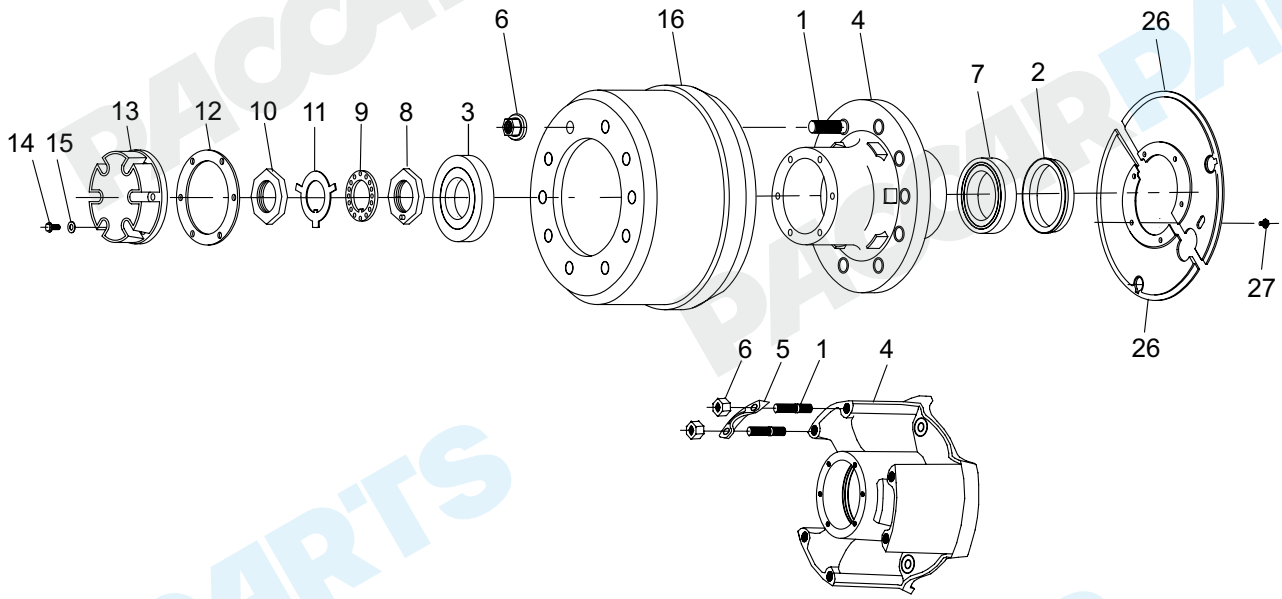
2950 DRUM AXLES CONTINUED
335 x 210mm BRAKES





(Open cam - non standard)





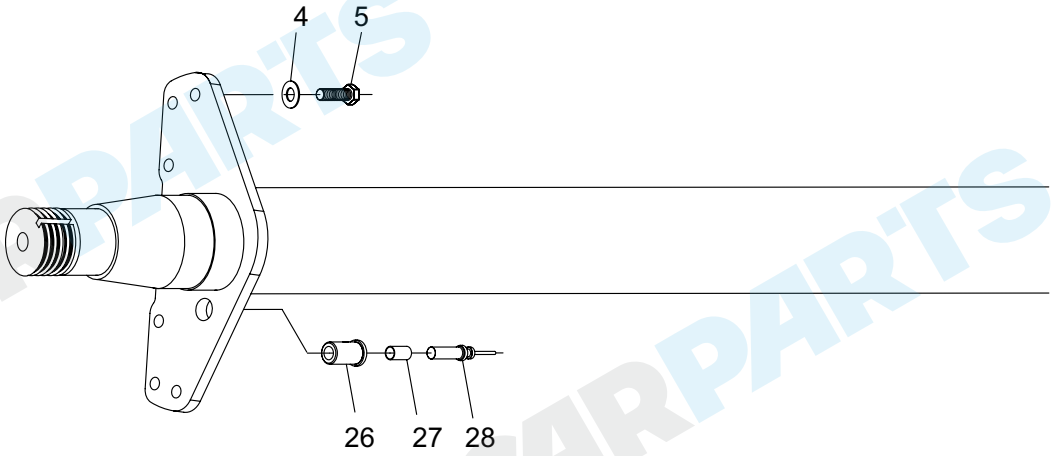
2950 DRUM AXLES CONTINUED
335 x 210mm BRAKES

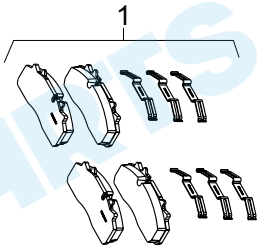
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
26	79506414	Dust cover - LH & RH		4
27	49FHM08125016	Screw dust cover M8 x 16		12
29	79787590	Enclosed cam tube mounting plate		2
30	49AWM12P	Lockwasher M12		8
31	49HBM12175020	Hex bolt M12 x 20		4
32	49AWM10P	Lockwasher M10		8
33	49HBM10150020	Hex bolt M10 x 20		4
34	79500374	Camshaft circlip		4
35	79500358	Camshaft washer		10
36	7979023819LHT	Camshaft LH (long) 616mm		1
	7979023819RHT	Camshaft RH (long) 616mm		1
37	7979023801LHT	Camshaft LH (short) 525mm	Optional	1
	7979023801RHT	Camshaft RH (short) 525mm		1
38	7950035601	Cam roller 1-¼" knurled		4
39	79787722	Cam roller retainer - bolt on		2
40	79500372	Return spring retainer		4
41	79501787	Anchor pin bush		4
42	79SB78852801	Enclosed cam tube (short) to suit 525mm S-Cam		2
	79SB78852819	Enclosed cam tube (long) to suit 616mm S-Cam		2
43	79787721	Seal - hub end enclosed cam		2
44	79500375	O-Ring seal - inner end enclosed cam		2
45	79786885	Grease nipple - 6mm straight		2
	79792107	Grease nipple - ⅛" BSP straight		2
46	79787923	Outer Cam Bush		2
47	79500686	Dust seal		2
48	79501574	Spherical bush housing		4
49	79500362	Spherical bush		2
60	7921153	Automatic slack adjuster - ⅝"		2
	79787905	Manual slack adjuster - 5 / 6 / 7"		2
NS	79105459	ABS pole wheel - 100T (alum hub)		2
	79788871	ABS pole wheel - 100T (steel hub)		2
	79560464	ABS sensor pole bush		2
	7978887303	ABS sensor pole mounting block		2
	79506221	Booster bracket		2
	79786275	Brake Spider		2
	79787752	Inner cam bracket		2
	79104144	Preset hub bearing spacer		2
	79786330	Slack adjuster return spring		2
	NA	Spacer band - 15 x 4"		2

KIT PART NUMBER LISTING				
KIT	79ABS001	ABS sensor pole kit		1
	7978790119	Enclosed cam kit - long cam		1
	7978790101	Enclosed cam kit - short cam		1
	79787904	Non enclosed cam repair kit		1
	7965503	Hub cap window kit		2

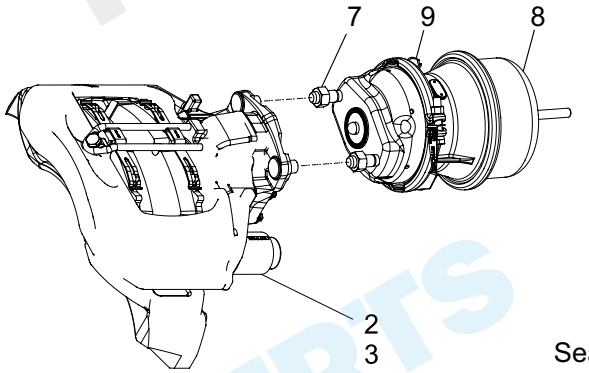
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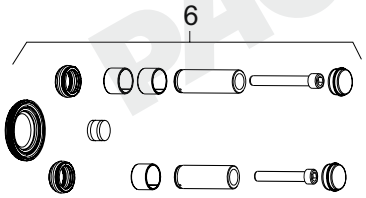
2970 PAN 22 DISC AXLES



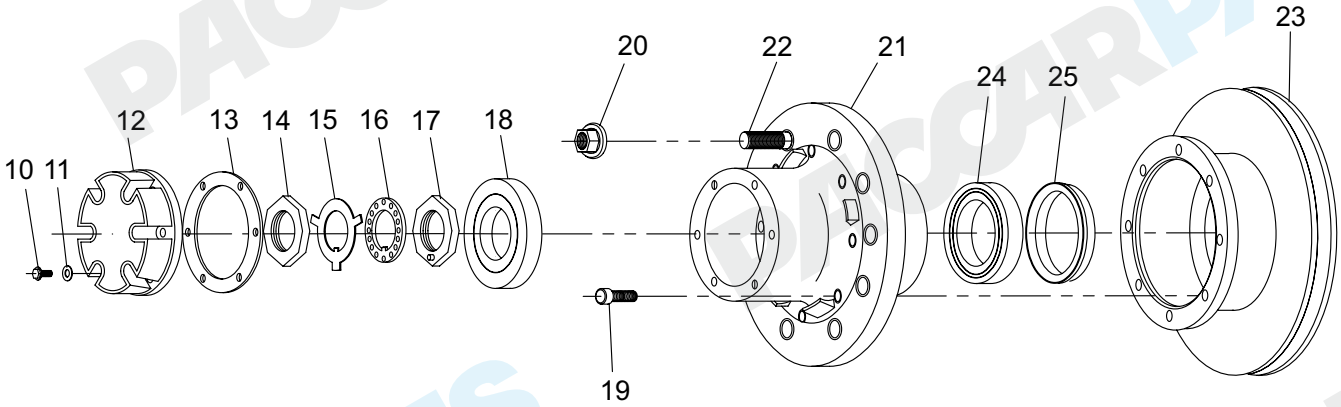


Pad set (1 axle)





Seal and guide pin kit (1 caliper)

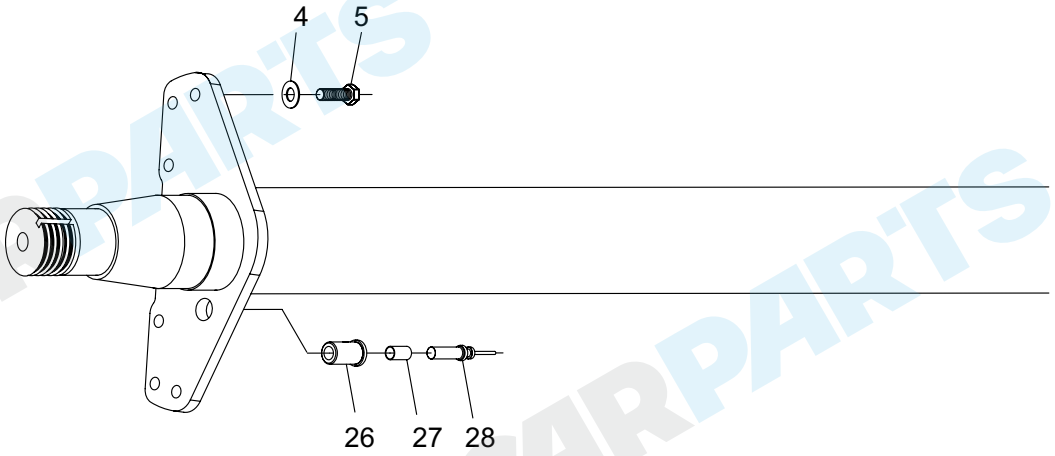


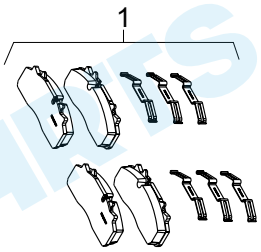
2970 PAN 22 DISC AXLES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79787420	Disc brake pads (axle set)		1
2	79787421	Disc brake caliper L/H		1
3	79787422	Disc brake caliper R/H		1
4	79787360	High tensile washer M16		12
5	49HBM16150045	Caliper mounting bolt M16 x 45		12
6	79787365	Caliper guide pin & seal repair kit		1
7	49LNM1615	Nyloc nut M16 x 1.5		4
8	79787350/1424L	Spring brake chamber 14 / 24 - L/H		1
	79787350/1424R	Spring brake chamber 14 / 24 - R/H		1
	797873502024	Spring brake chamber 20 / 24		2
	7978735416	Brake chamber type 16		2
	7978735420	Brake chamber type 20		2
	7978735422	Brake chamber type 22		2
	79787350/1424L	Brake chamber type 24 - L/H		1
	79787350/1424R	Brake chamber type 24 - R/H		1
	797874301624	Spring brake chamber 16 / 24		2
	797874302024	Spring brake chamber 20 / 24		2
	797874461216	Spring brake chamber 12 / 16		2
	797874461416	Spring brake chamber 14 / 16		2
	NA	Spring brake chamber 18 / 24		2
		Spring brake chamber 24 / 24		2
9	92791607	Fitting	79787430**** chamber	2
	NA		79787350**** chamber	2
10	49HBM08125025P	Hub cap stud M8 x 25mm		12
11	49AW516P	Spring washer 5/16"		12
12	79501715	Hub cap - grease 6 hole		2
13	79787719	Hub Cap Gasket		2
14	79502462	Spindle locknut		2
15	79790044	Locktab washer		2
16	79501123	Spindle lockwasher		2
17	79502461	Spindle Nut		2
18	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
	NP026773	Outer bearing (cup) preset		2
	NP899357	Outer bearing (cone) preset		2
19	49SHM16200035	Rotor mounting bolt M16 x 35 Steel hub		10
	NA	Nut flanged 5/8"-18 UNF Alum hub		10
20	7950291701	Wheel nut M22 ISO		20
21	7910036723	Hub/rotor assy 10 x 285 pcd preset alum hub		2
	79SB787428117M	Hub/rotor assy 10 x 285 pcd		2
	79SB787429117M	Hub/rotor assy 10 x 335 pcd		2
	79789232	Steel hub 10 x 285 pcd		2
	79789230	Steel hub 10 x 335 pcd		2
	NA	Alum hub 10 x 285 pcd		2
22	7979215601	Wheel stud SAE M22 x 117mm		20

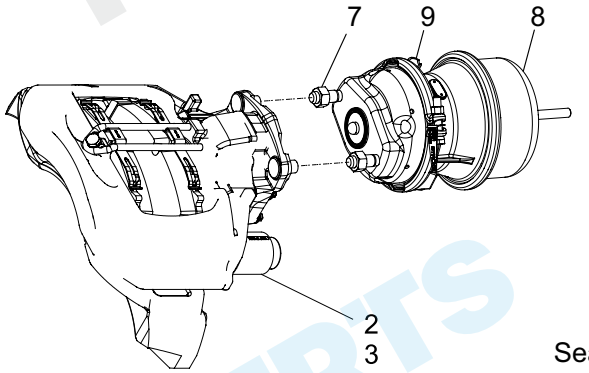
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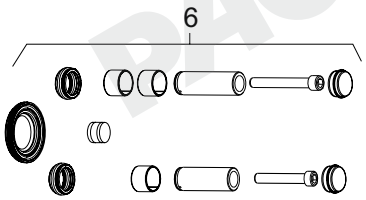
2970 PAN 22 DISC AXLES CONTINUED



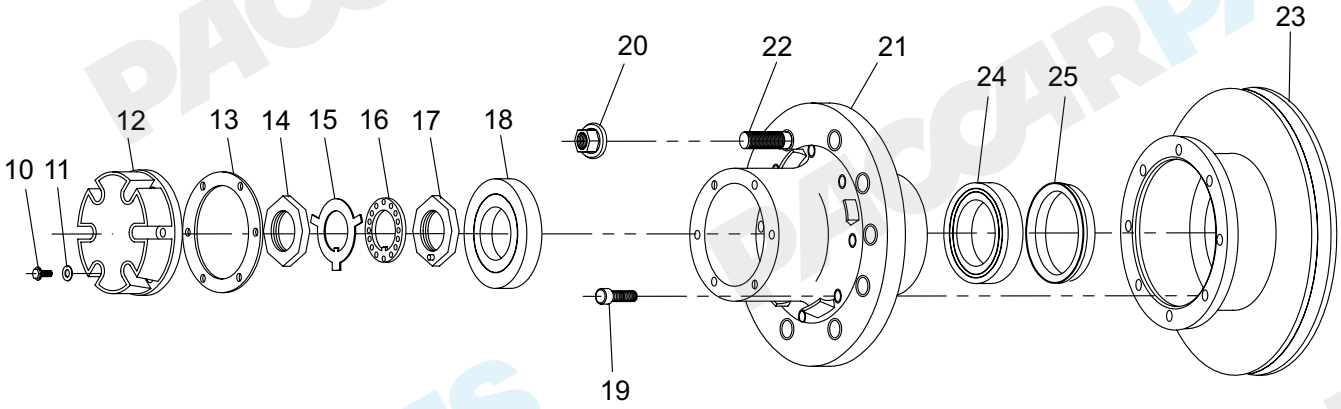


Pad set (1 axle)





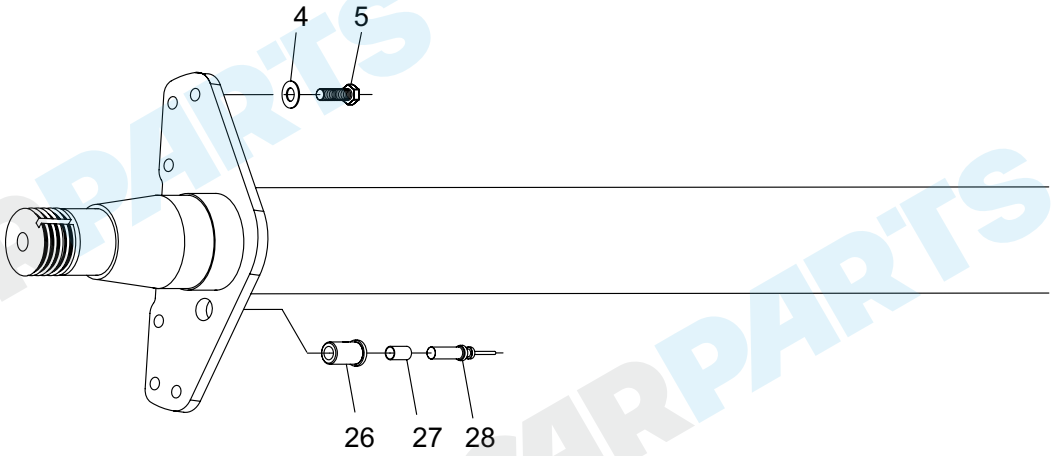
Seal and guide pin kit (1 caliper)

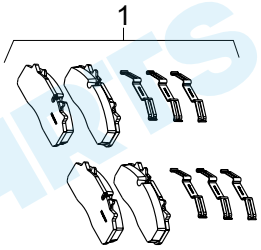


2970 PAN 22 DISC AXLES CONTINUED

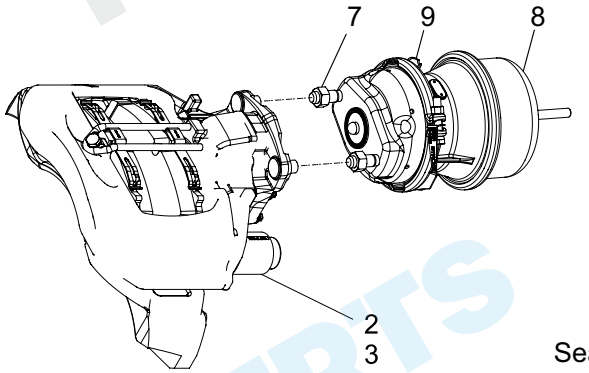
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
23	7910018609	Disc brake rotor - dia 430 ABS Preset alum hub		2
	79789121	Disc brake rotor - dia 430 ABS Steel hub		2
24	HM218210T1M	Inner bearing (cup)		2
	HM218248T1M	Inner bearing (cone)		2
	NP503727	Inner bearing (cup) preset		2
	NP965350	Inner bearing (cone) preset		2
25	79786114	Hub seal		2
	79991067	Hub seal preset		2
26	79787355	ABS sensor mounting bush dia 24 Preset alum hub		2
	79787406	ABS sensor mounting bush dia 30 Steel alum hub		2
27	79560464	ABS sensor pole bush		2
28	79787407	ABS sensor straight cable		2
NS	79991056	ABS sensor ring 100 tooth Preset alum hub		2
	NA	Brake caliper mounting bracket		2
	79104144	Preset hub bearing spacer		2
	49SHC832UNC	Sensor ring mounting screw Preset alum hub		2
KIT PART NUMBER LISTING				
KIT	79ABS006	ABS sensor pole kit (alum hub)		1
	79ABS005	ABS sensor pole kit (steel hub)		1
	79SB792312	Bearing kit preset		2
	7978736601	Offset brake booster mount kit		1

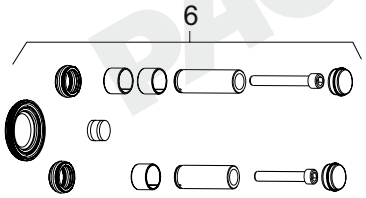
2980 PAN 19 DISC AXLES



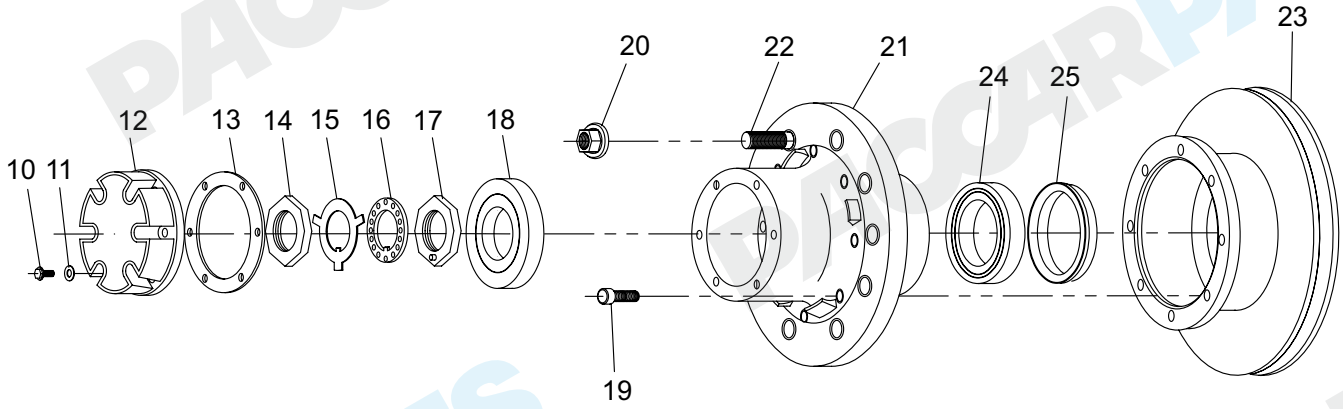


Pad set (1 axle)





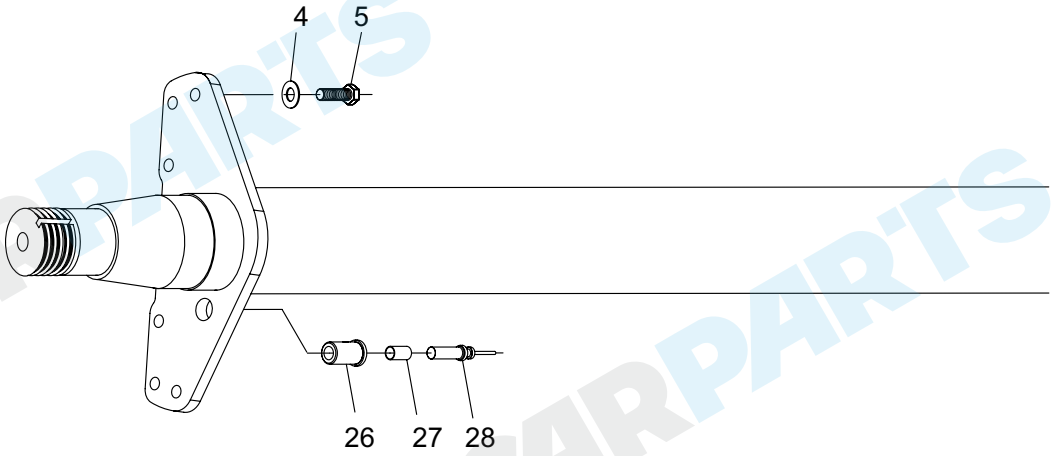
Seal and guide pin kit (1 caliper)

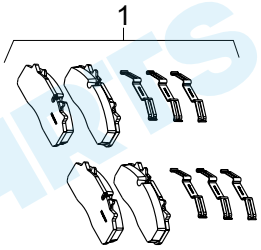


2980 PAN 19 DISC AXLES

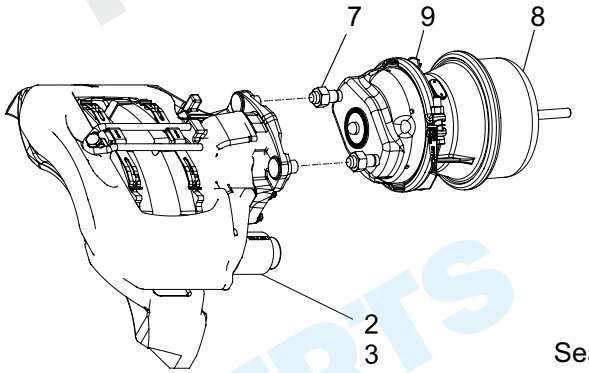
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	79787364	Disc brake pads (axle set)		1
2	79787317	Disc brake caliper L/H		1
3	79787318	Disc brake caliper R/H		1
4	79787360	High tensile washer M16		12
5	79787310	Caliper mounting bolt M16 x 50		12
6	79787365	Caliper guide pin & seal repair kit		1
7	49LNM1615	Nyloc nut M16 x 1.5		4
8	79787350/1424L	Spring brake chamber 14 / 24		1
	79787350/1424R	Spring brake chamber 14 / 24		1
	797873502024	Spring brake chamber 20 / 24		2
	7978735416	Brake chamber type 16		2
	7978735420	Brake chamber type 20		2
	7978735422	Brake chamber type 22		2
	7978735424	Brake chamber type 24		2
	79787430/1624	Spring brake chamber 16 / 24		2
	79787430/2024	Spring brake chamber 20 / 24		2
	797874461216	Spring brake chamber 12 / 16		2
	797874461416	Spring brake chamber 14 / 16		2
	NA	Spring brake chamber 16 / 24		2
		Spring brake chamber 18 / 24		2
		Spring brake chamber 24 / 24		2
		Brake chamber type 14		2
9	92791607	Fitting	79787430**** chamber	4
	NA		79787350**** chamber	4
10	49HB516UNC100	Hub cap stud 5/16" UNC x 1"		12
11	49AW516P	Spring washer 5/16"		12
12	79501715	Hub cap - grease 6 hole		2
13	79787719	Hub cap gasket		2
14	79502462	Spindle locknut		2
15	79790044	Locktab washer		2
16	79501123	Spindle lockwasher		2
17	79502461	Spindle nut		2
18	HM212011T1M	Outer bearing (cup) TN		2
	HM212049T1M	Outer bearing (cone) TN		2
19	49SHM14150050	Rotor mounting bolt M14 x 50	10 x 335 hub	20
	49SHM14150055	Rotor mounting bolt M14 x 55	10 x 285 / 8 x 275 hubs	20
20	7950291701	Wheel nut M22 ISO		20
21	79SB787326100	Steel hub 8 x 275 PCD		2
	79787328	Steel hub 10 x 285 PCD		2
	79SB787348100	Steel hub 10 x 335 PCD		2
22	79792155	Wheel stud SAE M22 x 100mm		16 / 20
	7979215601	Wheel stud SAE M22 x 117mm	Optional	16 / 20

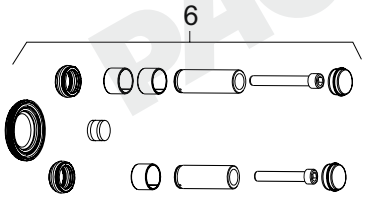
2980 PAN 19 DISC AXLES CONTINUED



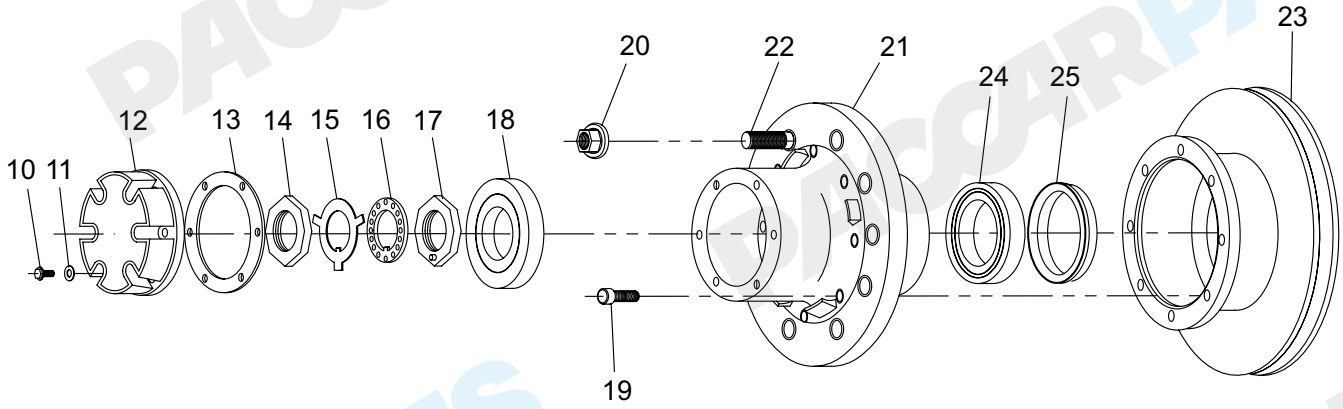


Pad set (1 axle)





Seal and guide pin kit (1 caliper)

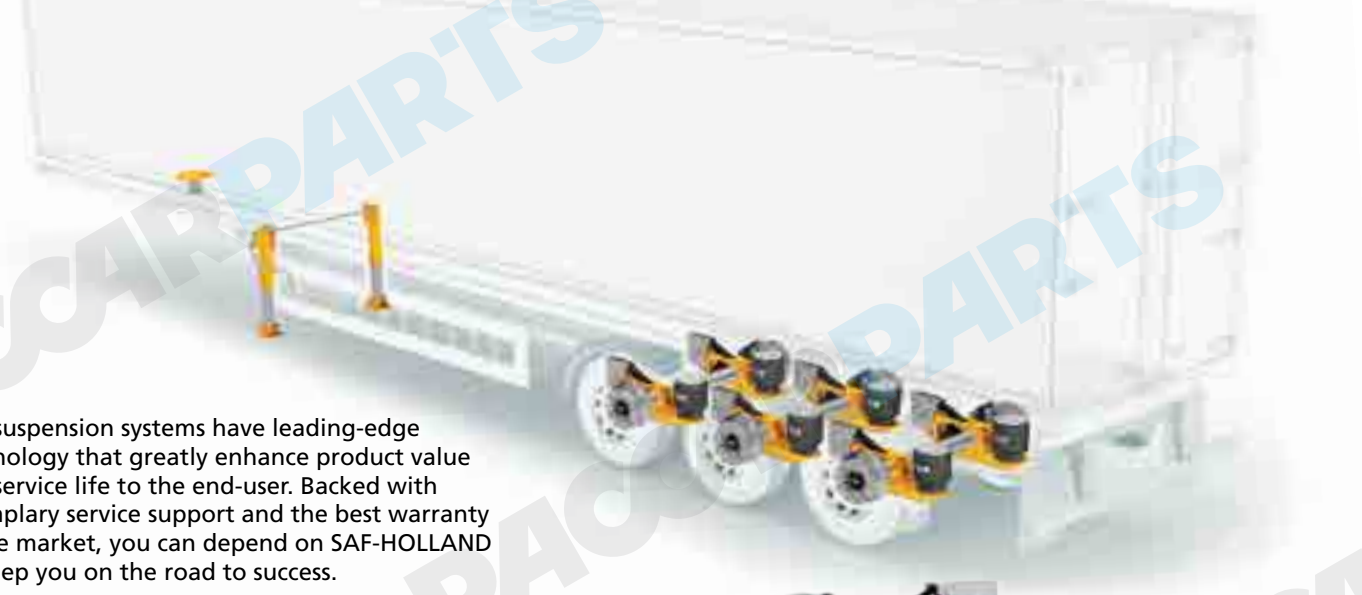


2980 PAN 19 DISC AXLES CONTINUED

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
23	79787412	Disc brake rotor - dia 375 ABS		2
	NA	Disc brake rotor - dia 375 non ABS		2
		Disc brake rotor ABS (old style)		2
24	HM218210T1M	Inner bearing (cup)		2
	HM218248T1M	Inner bearing (cone)		2
25	79786114	Hub seal		2
26	79787406	ABS sensor mounting bush		2
27	79560464	ABS sensor pole bush		2
28	79787407	ABS sensor straight cable		2
NS	79787357	ABS pole sleeve 100 tooth suits old rotor		2
	79787331	Brake caliper mounting bracket		2
KIT PART NUMBER LISTING				
KIT	79ABS002	ABS sensor pole kit		1
	79787366	Offset brake booster mount kit		1

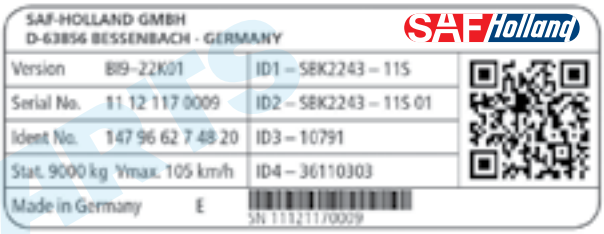
GERMAN ENGINEERING

Tried, Tested and Proven in the Australian Market



Our suspension systems have leading-edge technology that greatly enhance product value and service life to the end-user. Backed with exemplary service support and the best warranty in the market, you can depend on SAF-HOLLAND to keep you on the road to success.

Type plate: Identifying the axle





Identification if the type plate is missing:
The Serial No. of the axle is embossed in the axle end on the right-hand side (as seen in the direction of travel).



INTRA
AIR SUSPENSION SYSTEM



MODUL
AIR SUSPENSION SYSTEM

Visit **www.safholland.com.au** and go to ***Aftermarket*** → ***Parts On Demand*** to view spare parts and part numbers online.

The SAF-HOLLAND Spare Parts Catalogue available online.



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SAF-HOLLAND (Aust) Pty Ltd
Sales: 1300 131 613
Email: sales@safholland.com.au

SAF-HOLLAND is one of the leading global manufacturers and suppliers of high-quality axles and suspension systems, fifth wheels, kingpins, coupling products and landing gear to the commercial vehicles industry.

AXLE & SUSPENSION IDENTIFICATION 178

AXLE IDENTIFICATION 179

Z9-4218 NG AXLE 180
DUAL WHEELS - 420 x 180mm BRAKES

Z9-3720 184
DUAL WHEELS - 367 x 200mm BRAKES

J-SERIES RZT 12242/18C & RZT 10242/18C AXLES 188
SPIDER HUB - 420 x 180mm BRAKES

J-SERIES RZ 12242/18C AXLE 192
STUD HUB (10 x 285) - 420 x 180mm BRAKES

ZI9-19W 196
DUAL WHEELS (INTEGRAL - PAN 19)

ZIL9-19W - OVERSLUNG STEER AXLE 198
DUAL WHEELS (PAN 19)

ZIL9-19W - UNDERSLUNG STEER AXLE 202
DUAL WHEELS (PAN 19)

ZI9-22K01 206
DUAL WHEELS (SK7)

AXLE & SUSPENSION IDENTIFICATION

AIR SUSPENSION SYSTEM, TYPE INTRA

Intra suspension is connected to the axle by brackets.

The axle type designation (Version), identification number & serial number (see type plate) are required for the warranty procedure.



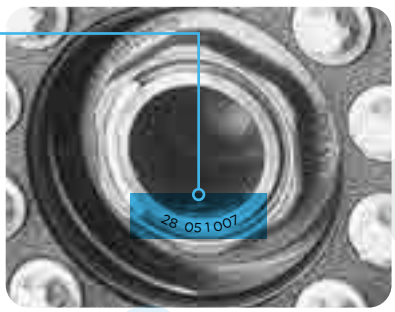
AIR SUSPENSION SYSTEM, TYPE MODUL

Modul suspension is connected to the axle by U-Bolts.





Identification if the type plate is missing: The Serial No. of the axle is embossed in the axle end on the right-hand side (as seen in the direction of travel)



AXLE IDENTIFICATION

When ordering spare parts quote correct axle identification & serial no., refer to the axle type plate.

Please provide the following information from the type plate (as below) to ensure correct parts are ordered.



AXLE SERIAL NUMBER CODE (UP TO JULY 2009)

The serial number looks like this: DDDYYXNNN	
DDD	production day
YY	production year
X	site
NNN	running number per day, year & site

AXLE SERIAL NUMBER CODE (FROM JULY 2009)

The serial number looks like this: XX YY DDD NNNN	
XX	site
YY	production year
DDD	production day
NNN	running number per day

SAF "SKR... AXLE TYPE CODES

XXXXX 0000XX	Axle Type/Generation	SKR = Super Compact Bearings Round Axle
XXX**X**X 0000XX	Axle Type	(-) = Rigid axle L = Self-steer axle
XXXX**X** 0000XX	Tyres/Wheels	S = Single wheels without offset B = Single wheels with offset Z = Twin wheels
XXXXX **00**00XX	Axle Load Capacity	90 = 9 tonnes load capacity 11 - 11 tonnes load capacity
XXXXX 00**00**XX	Brake Size	30 = Drum diameter 300 mm 37 = Drum diameter 367 mm 42 = Drum diameter 420 mm 19 = Disc brake for 19.5" tyres (Rotor dia. 377 mm) 22 = Disc brake for 22.5" tyres (Rotor dia. 430 mm)
XXXXX 0000**XX**	Additional Information	W = Wabco caliper classic disc brake rotor WI = Wabco caliper INTEGRAL disc brake rotor K = Knorr caliper classic disc brake rotor KI = Knorr caliper INTEGRAL disc brake rotor

NEW TYPE CODES FOR THE NEW AXLE GENERATION WITH DISC BRAKES

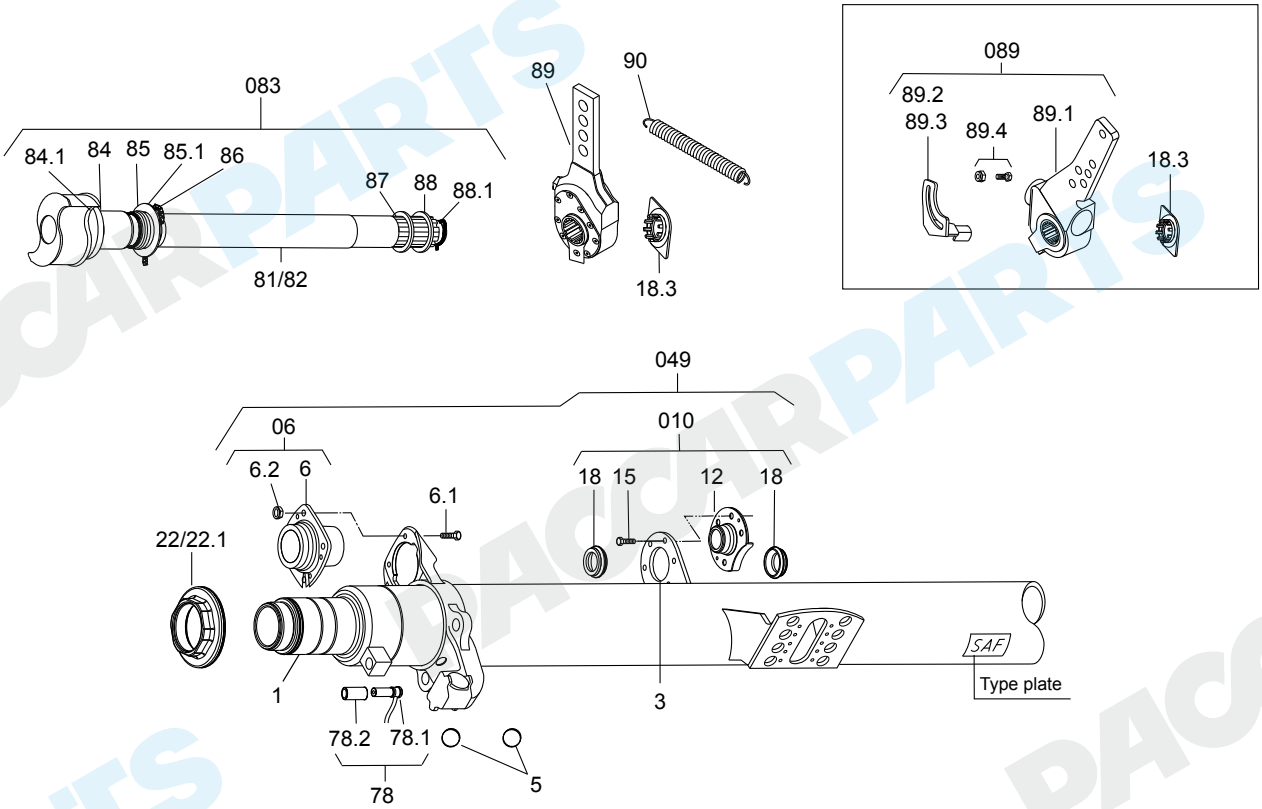
XXX0-0X0	Tyres/Wheels	S = Single wheels without offset B = Single wheels with offset Z = Twin wheels
X**X**X0-0X0	Type of Brake Disc	I = INTEGRAL technology (-) = Conventional brake disc
XX**X**0-0X0	Type of Axle	(-) = Rigid axles NL = Self-steering axles VL = Self-steering axles ZL = Steering axles, twin wheels
XXX**0**-0X0	Axle Load	9 = 9 tonnes axle load 11 = 11 tonnes axle load
XXX0-**0**X0	Brake Size	19 = 19.5" disc brake 22 = 22.5" disc brake
XXX0-0**X**0	Brake Manufacturer	K = KNORR W = WABCO
XXX0-0X**0**	Brake Generation	(-) 01

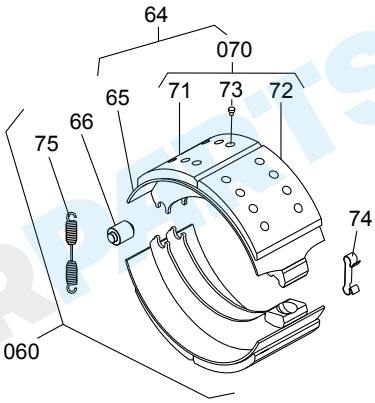
NEW TYPE CODES FOR THE NEW AXLE GENERATION WITH DRUM BRAKES

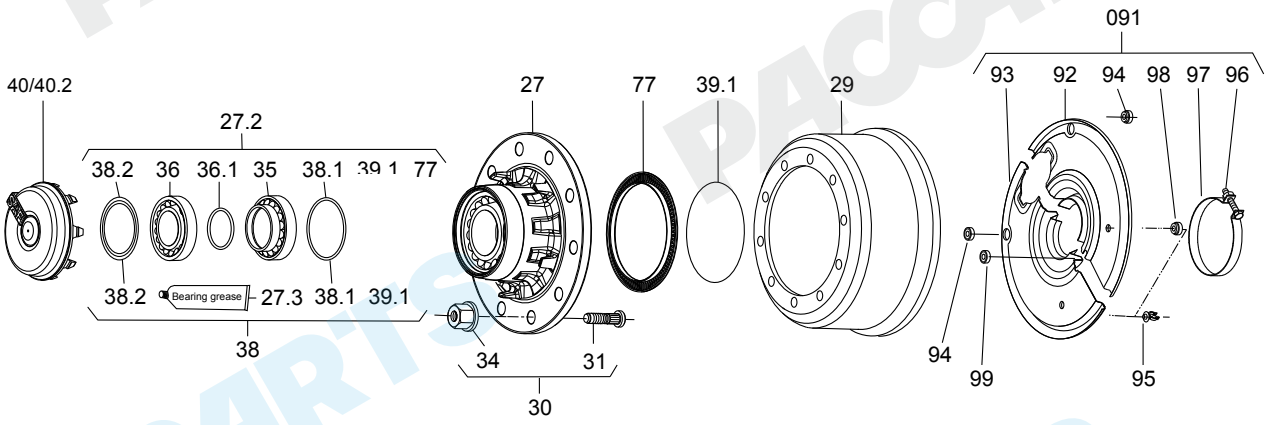
XX0-00	Tyres/ Wheels	S = Single wheels without offset B = Single wheels with offset Z = Twin wheels
X**X**0-00	Type of Axle	(-) = Rigid axles L = Self-steering axles ZL = Steering axles, twin wheels
XX**0**-00	Axle Load	9 = 9 tonnes axle load 11 = 11 tonnes axle load
XX0-**0**0	Drum Diameter	30 = 300 mm 37 = 367 mm 42 = 420 mm
XX0-0**0**	Brake Shoe Width	15 = 150 mm 18 = 180 mm 20 = 200 mm

Z9-4218 NG AXLE

DUAL WHEELS - 420 x 180mm BRAKES



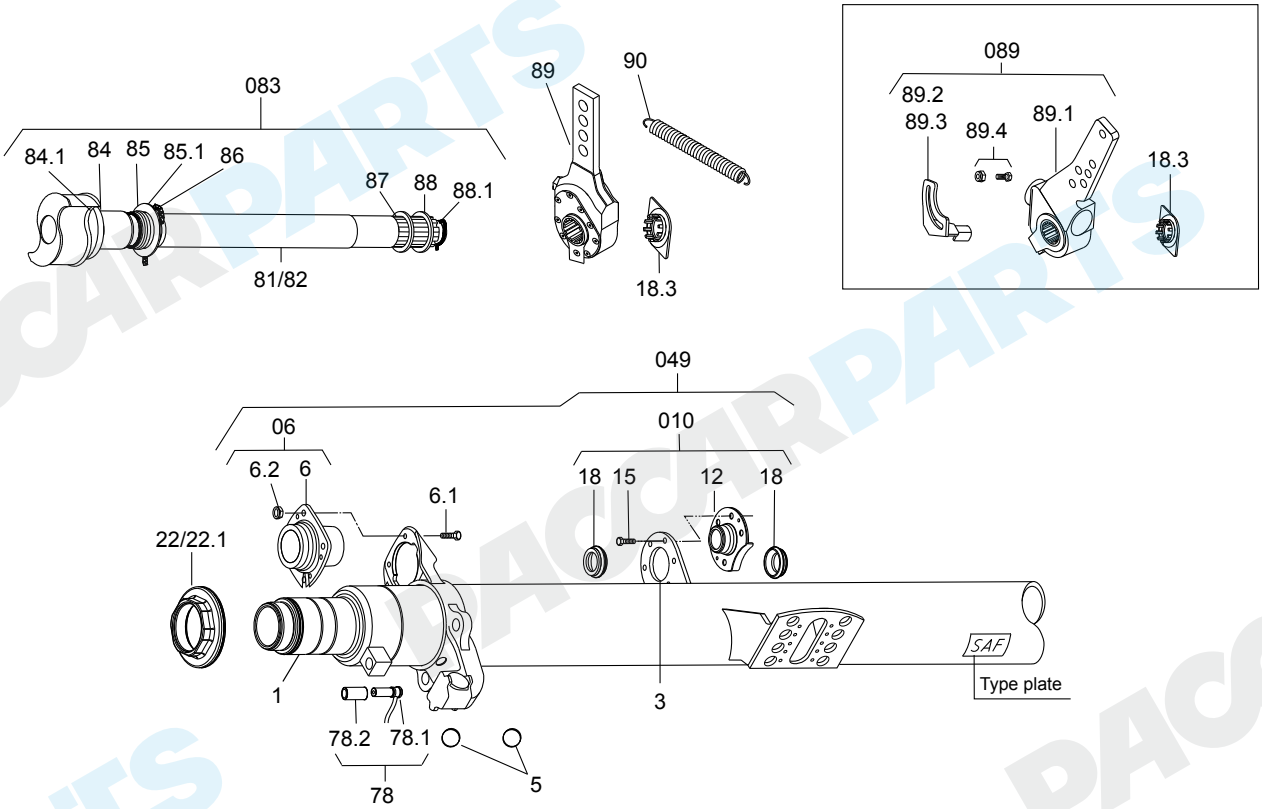


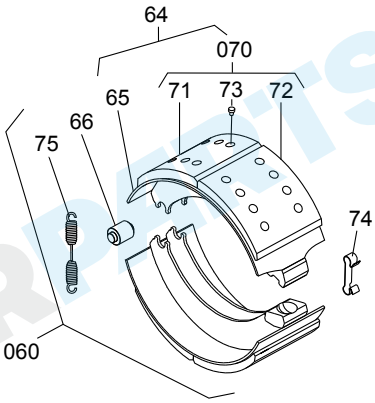


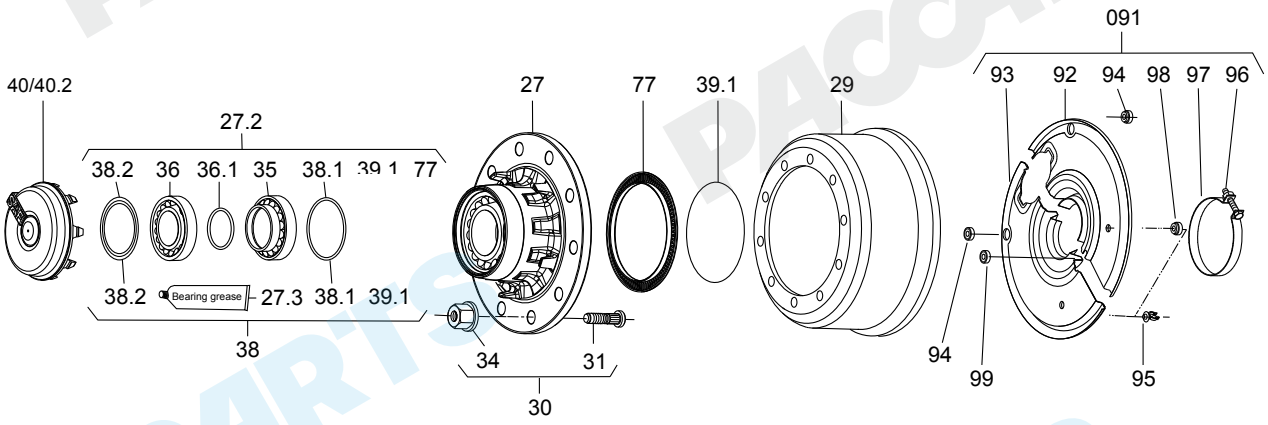
Z9-4218 NG AXLE
DUAL WHEELS - 420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	I0Z094218-3	Intradrum - 10 x 335 PCD Overslung	Beam PN 3516012600	1
	IUZ094218-3	Intradrum - 10 x 335 PCD Underslung	Beam PN 3516014900	1
	I0Z094218-8	Intradrum - 10 x 285 PCD Overslung	Beam PN 3516012600	1
	IUZ094218-8	Intradrum - 10 x 285 PCD Underslung	Beam PN 3516014900	1
3	NA	Spherical Mounting Plate		2
NS	4337202800	Rubber Plug - ABS		2
5	4199100200	Anchor Ball 40 mm		4
6.1	4051700110	Bolt M8 x 25		8
06	3268005000	S-Cam Bush Kit	SNK 420 / 367 (Incl. Pos. 6 & 6.2)	2
010	3268004700	Inner S-Cam Bush Kit	(Incl. Pos. 12-18)	2
18.3	4187001000	Wear Indicator - S-Cam		2
22	1011008600	Hub Nut M75 x 1.5 - RH		1
22.1	1011008500	Hub Nut M75 x 1.5 - LH		1
27	3307305200	Hub Unit - Intradrum - 10 x 335 PCD		2
	3307305700	Hub Unit - Intradrum - 10 x 285.75 PCD		2
27.2	3434301918	Bearing & Seal Kit		1
29	1064026002	Brake Drum - Ø420 x 180 - 10 x 335 PCD		2
	1064029800	Brake Drum - Ø420 x 180 - 10 x 285.75 PCD		2
30	NA	Wheel Bolt & Nut Kit	Use item no 31 / 34	1
31	1303111210	Wheel Bolt M22 x 1.5 x 112		20
34	42473012015	Wheel Nut M22 x 1.5 x 27		20
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27.3, 36.1, 38.1, 38.2, 39.1 & Grease)	1
39.1	4315007500	O-Ring - Ø92 x 4		2
40	3304010201	Hubcap - With O-Ring		2
	4315008200	Hub Cap O-Ring		1
	4373004700	Outer Seal		1
40.2	4304010301	Hubcap For Hubodometer - with O-Ring		2
049	3434365200	Camshaft Repair Kit	Includes 010 & 06	2
060	3434365300	Full Brake Kit - Ø420 x 180	4x Lined Shoes, 2x springs, 2x clamps	1
64	3055012000	Brake Shoe Assembly - With Lining		4
66	1265001900	Cam Roller		4
070	3055012000	Brake Lining Kit	(Incl. Pos. 71-73)	2
74	1151000800	Retaining Clamp		2
75	1447005801	Return Spring		2
77	4029107000	ABS Pole-Wheel - 90		2
78	3029023100	ABS Kit	(Incl. Pos. 78.1, 78.2 & Renolit paste)	2
81	2262111502	S' Cam LH - 698 mm		1
82	2262111402	S' Cam RH - 698 mm		1
083	3317001600	Camshaft Replacement Kit	(Incl. Pos 84-88.1)	2
89	4175031400	Manual Slack Adjuster		2
89.2	4018006301	Bracket Anchor LH		1
89.3	4018006401	Bracket Anchor RH		1
089	3434350202	Auto-Slack Adjuster Kit	(Incl. Pos. 89.1-89.4 & 18.3)	1
90	1447003600	Return Spring		2
091	3005017300	Dust Cover Pair	(Incl. Pos. 92-94 & 96-99)	2

Z9-4218 NG AXLE CONTINUED
DUAL WHEELS - 420 x 180mm BRAKES





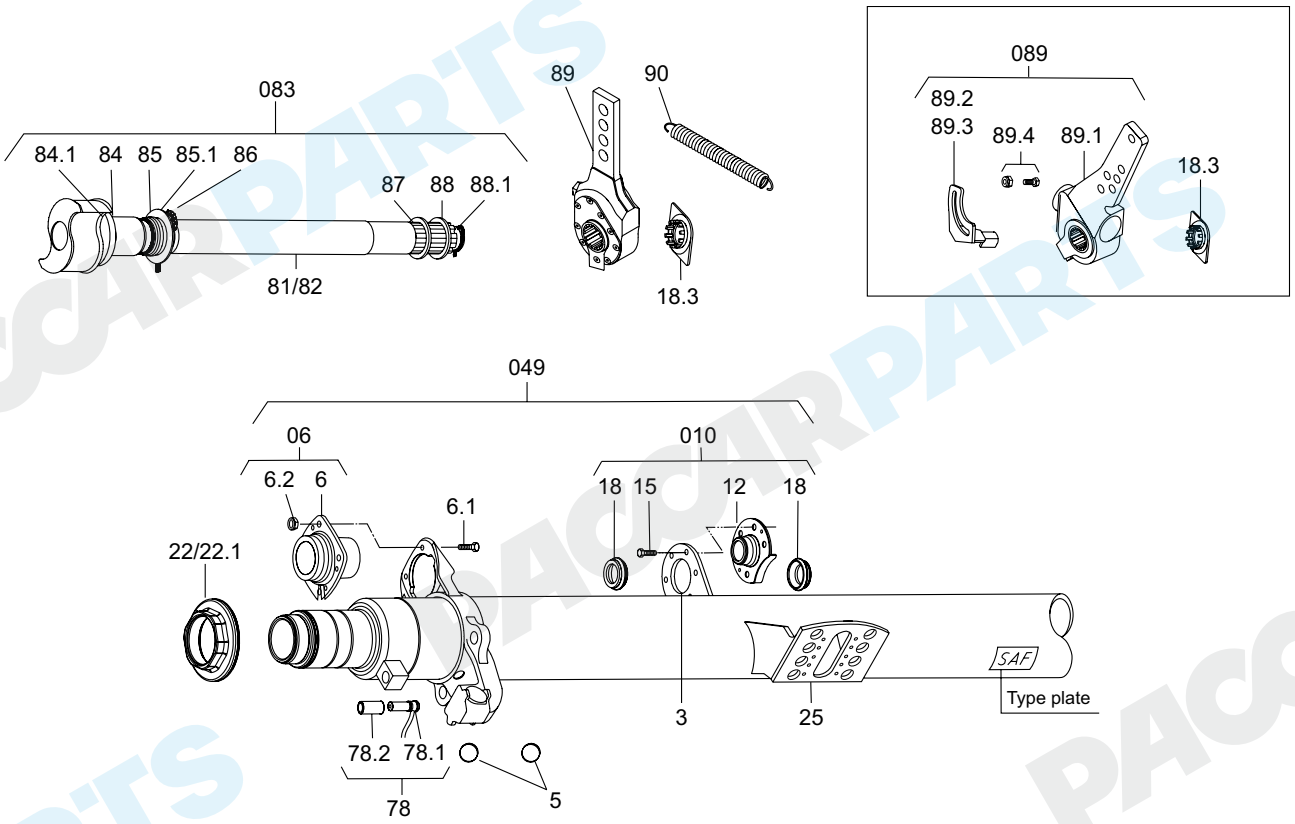


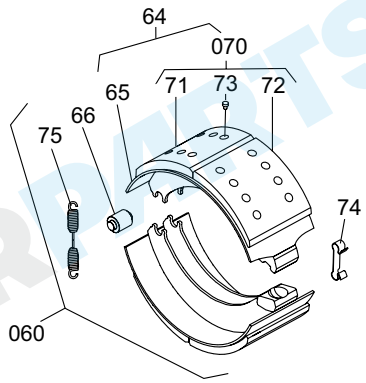
Z9-4218 NG AXLE CONTINUED
DUAL WHEELS - 420 x 180mm BRAKES

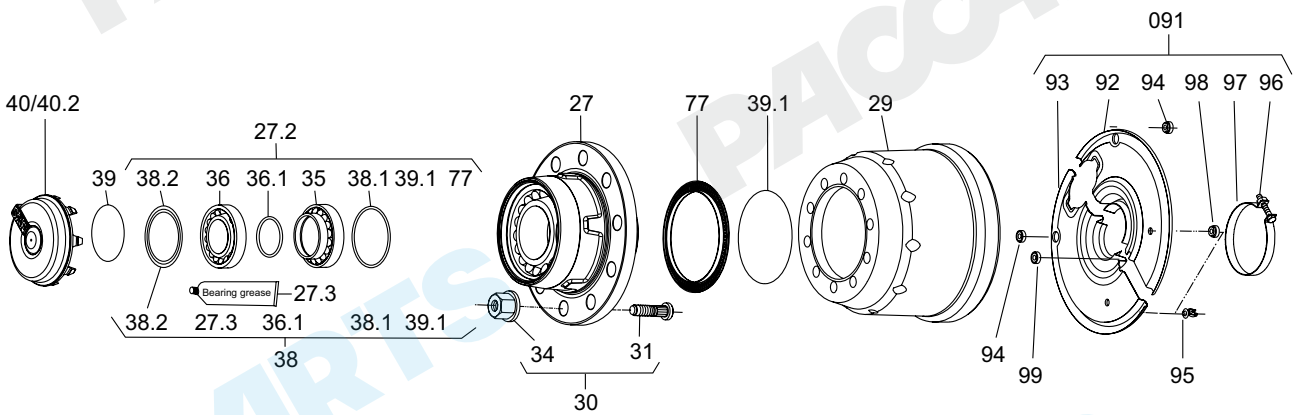
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
95	NSS	Cable Clip		2
TOOL	4434382200	Universal Hub Puller		1
	5387004203	SAF Fitting Paste	(To be applied on spindles)	1
	4434382800L	Hub Nut Socket (SW85mm) For NG Axles (2501880)		1

Z9-3720

DUAL WHEELS - 367 x 200mm BRAKES







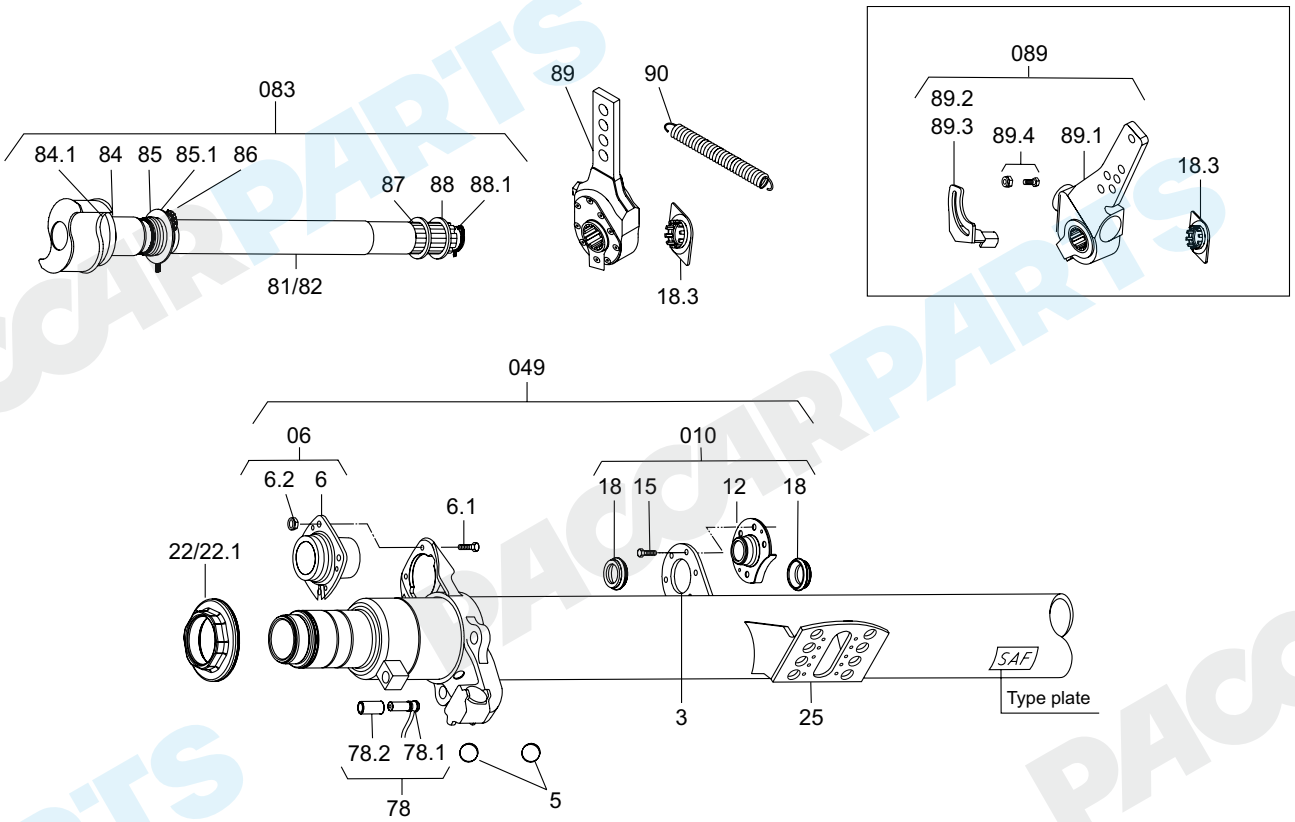
Z9-3720
DUAL WHEELS - 367 x 200mm BRAKES

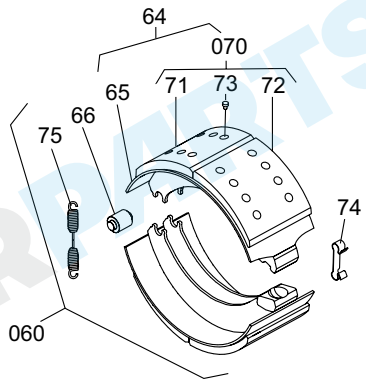
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
3	NSS	Spherical Mounting Plate	SNK 367	2
5	4199100200	Anchor Ball - 40mm	Ø40	4
6	NSS	Camshaft Bearing	SNK420 / 367	2
6.1	4051700110	Bolt	M8 x 25	8
6.2	NSS	Safety Flange	M8-10	8
06	3268005000	Compact Cam Bearing Anchor Bracket	SNK420 / 367	2
010	3268004700	Compact Cam Bearing Anchor Bracket	Incl. 12-18	2
12	NSS	Camshaft Bearing		2
15	NSS	Screw	M8 x 22-KL90	10
18	4131000800	Bellow (Knorr) - Rubber Boot	Ø60 / 36, 6 x 17	4
18.3	4187001000	Wearing Gauge		2
22	1011008500	Axle Nut Left	M75 x 1,5 / SW85	1
22.1	1011008600	Axle Nut Right	M75 x 1,5 / SW85	1
25	NSS	Brake Cylinder Support		2
27	3307305001	Hub Unit - 8 Stud 275PCD	TK275 / 8	2
27.2	3434402100	Repair Kit Hub Unit	Includes 35, 36, 36.1, 38.1, 39.1, 77 & grease	2
27.3	NSS	Grease	LiLube Expert	2
29	1064027700	Brake Drum	260H / 367 / 8-23 TK275	2
30	3302114500	Wheel Bolt & Nut Kit	M22 x 1, 5 x 31h SW32 Incl. Pos. 31 & 34	16
31	1303107512	Wheel Bolt	M22 x 1, 5 x 93	16
34	42473012015	Wheel Bolt Nut	M22 x 1, 5 x 27H/SW32	16
35	NSS	Roller Bearing	B/S/Z-Series	2
36		Roller Bearing	B/S/Z-Series	2
36.1		Holding Ring		2
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27C, 36A, 38A, 38B, 39A & Grease)	2
38.1	NSS	Sealing Ring (Outside)	Ø112 / 138, 5 x 6	2
38.2		Sealing Ring (Inside)	Ø112 / 138, 5 x 11	2
39		O-Ring	Ø139, 07 x 5, 33	2
39.1	4315007500	O-Ring	Ø92 x 4	2
40	3304010201	Hub Cap Incl. O-Ring	S/Z/ZI/BI	2
40.2	3304010301	Wheel Cap Assembly & Hubodometer	S/Z/ZI/BI	2
049	3434365200	Repair Kit Camshaft Bearing	Includes 06 & 010	1
060	NA	Brake Kit	Refer item 64	1
64	3055012800	Brake Shoe Assembly With Linings	SNK 367 x 200	4
66	1265001900	Cam Roller	Ø36, 2 x 53	4
70	NSS	Brake Lining Kit	SNK 367 x 200	1
71		Brake Lining		4
72		Brake Lining		4
73		Rivet Kit	B8X15	1
74	1151000800	Spring Clamp	SNK 367 / 420	2
75	1447005801	Return Spring	Ø32, 8 x 232	2
77	4029107000	Exciter Ring	90 teeth	2
78	3029023100	ABS / Wabco - Modul		2
78.1	NSS	Sensor - Modul		2
78.2	4029101300	Clamping Bush		2
81	2262110902	'S' Cam LH	669 mm	1

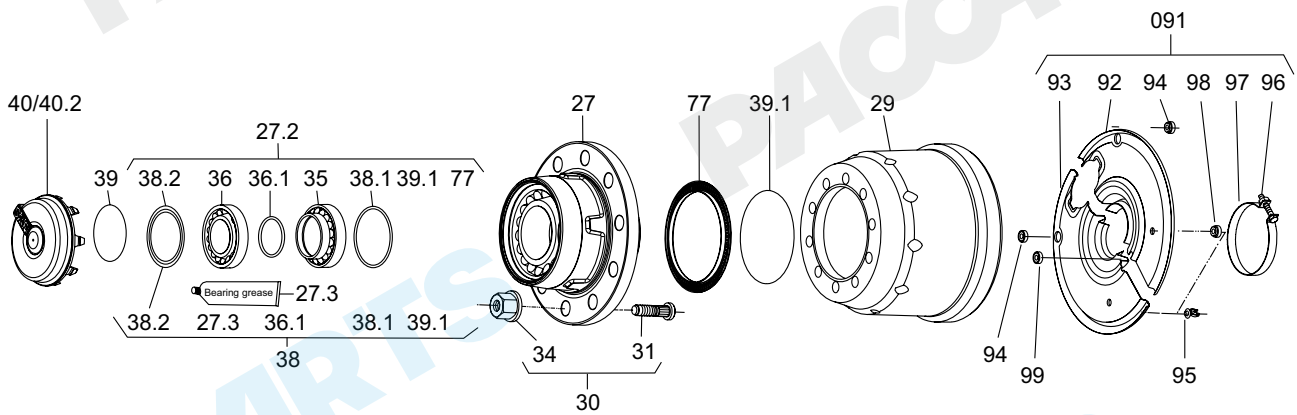
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

Z9-3720 CONTINUED

DUAL WHEELS - 367 x 200mm BRAKES



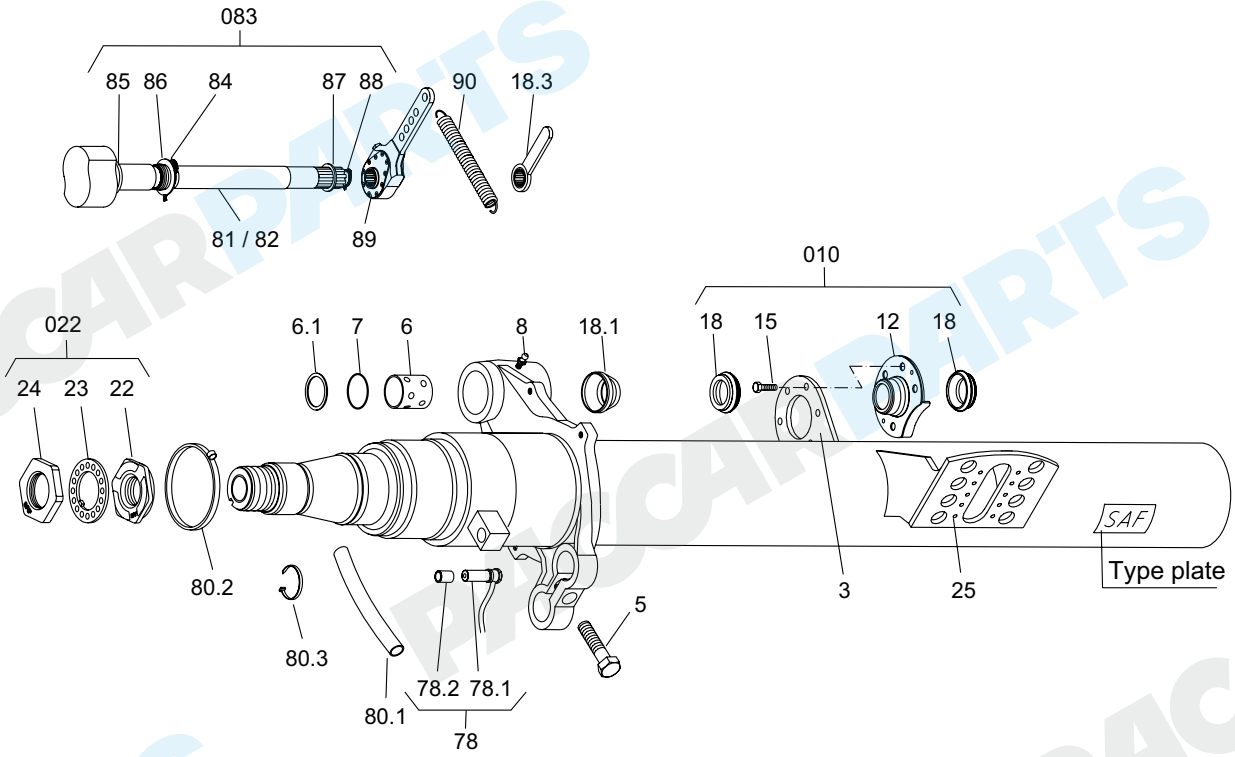


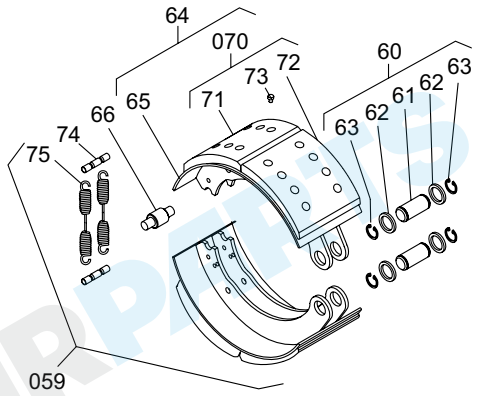


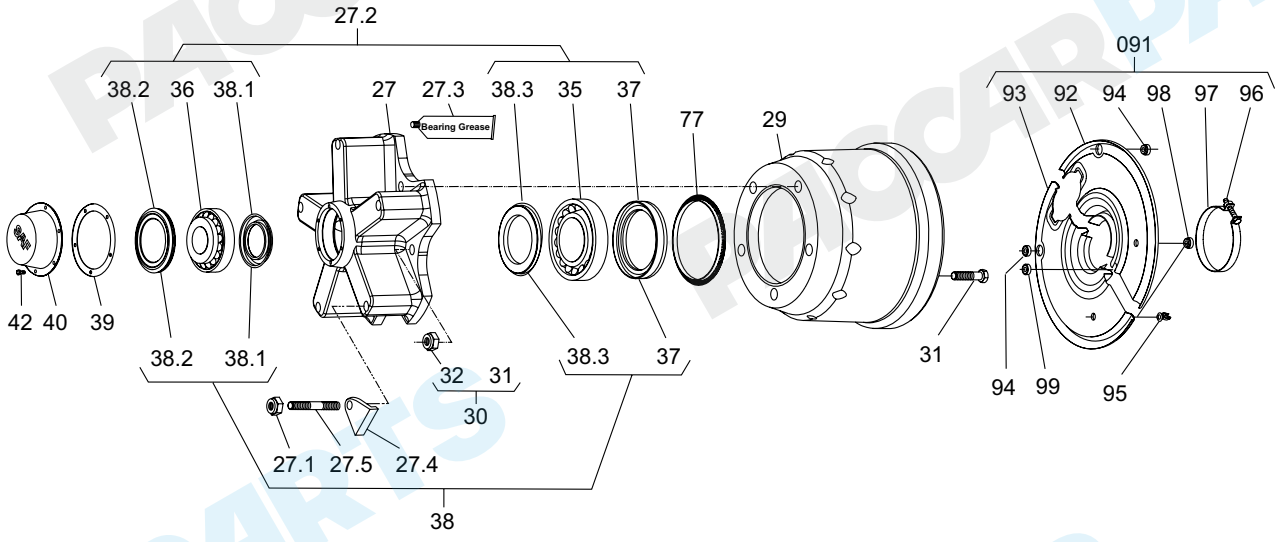
Z9-3720 CONTINUED
DUAL WHEELS - 367 x 200mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
82	2262110802	'S' Cam RH	669 mm	1
083	3317001600	Repair Kit Camshaft	(Incl. Pos 84-88.1)	2
84	NSS	O-Ring	Ø45 x 4	2
84.1		Spacer	52, 5 / 46, 7 x 4	2
85		Disc Spring	Ø63 / 43 x 1, 75	2
85.1		Shaft Seal	Ø45 x 60 x 7	2
86		Spring Clamp	Ø39	2
87		Washer (Knorr)	Ø51 / 38, 8 x 1, 5	2
88		Washer (Knorr)	Ø51 / 28, 1 x 1, 5	6
88.1		Spring Clamp	Ø23	2
89	2175029400	Manual Slack Adjuster		2
89.1	3434350202	Auto Slack Adjuster	S-ASA5 (kit of 2 ASA)	2
89.2	NSS	Anchor Bracket Left		1
89.3	NSS	Anchor Bracket Right		1
89.4	3341102200	Screw Assembly	M8 x 30	4
089	NA	Automatic Slack Adjuster Assembly		2
90	1447003700	Return Spring	Ø25, 8 x 2, 8 x 148	2
091	3005017100	Dust Shield Assembly	Includes item 92-99	2
92	NSS	Dust Shield Left		2
93	NSS	Dust Shield Right		2
94	4337200801	Protecting Cap (Wabco)	Ø31, 75 x 9, 52	4
95	NSS	Cable Holder		2
96	4343107588	Screw	M8 x 40	2
97	4194202500	Band Clamp	Ø130 x 20	2
98	4337202700	Protecting Cap		4
99	4177301800	Rubber Funnel ABS	Ø18 x 8	2

J-SERIES RZT 12242/18C & RZT 10242/18C AXLES
SPIDER HUB - 420 x 180mm BRAKES







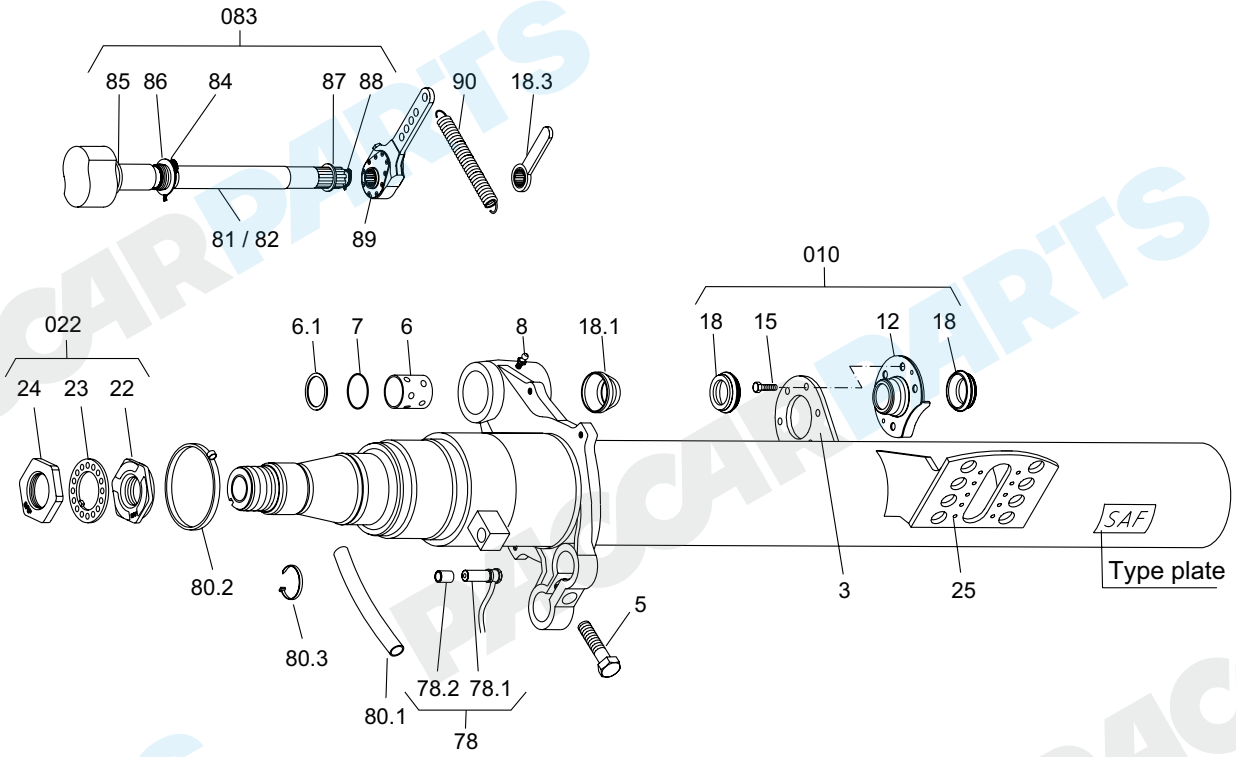
J-SERIES RZT 12242/18C & RZT 10242/18C AXLES
SPIDER HUB - 420 x 180mm BRAKES

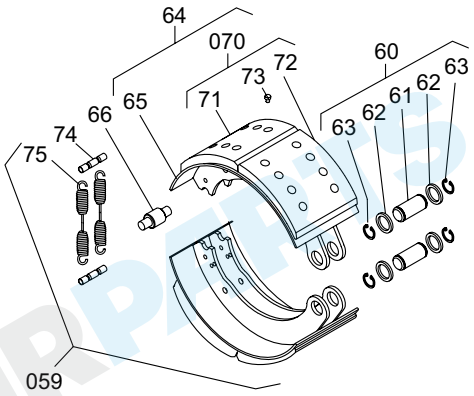
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
5	4343290400	Bolt M16, Self Locking		2
6	1230010604	Camshaft Bronze Bush		2
6.1	1094003400	Spacer Ring		2
7	4315004800	O-Ring		2
8	4201000500	Grease Nipple M10		4
010	3268004700	Camshaft Bush & Bearing Kit	(Incl. 12, 15, 18)	2
12	NSS	Camshaft Bush Unit	Also Contained in Kit 010	2
15	NSS	Screw, Self Locking M8		10
18	4131000800	Rubber Boot		4
18.1	1173300200	Rubber Boot		2
18.3	4187000900	Wear Indicator		2
022	3011004001	Axle Nut Kit	(Incl Pos 22-24)	2
22	1011004002	Inner Axle Nut - M56 x 2, Socket 85		2
23	1345000801	Retaining Washer	Star Lock Tab Washer 2501690	2
24	4011003901	Outer Axle Nut - M56 x 2, Socket 85		2
27	1398005600	Hub - 5 Spoke		2
27.1	4342290300	Nut - Wheel Clamp - ¾"		10
27.2	3434301600	Bearing Kit	(Incl Pos 27.3, 35, 36, 37 & 38.1-38.3)	2
27.3	5387001105	Bearing Grease		2
27.4	4398401000	Clamp		10
27.5	1051104400	Stud - ¾"		10
29	1064030600	Brake Drum, 420 x 180 - 208 LG - 5-Spoke		2
30	3341292419	Wheel Bolt & Nut Kit	(Incl Pos 31-32)	20
31	NSS	Wheel Bolt - Intermediate (For Alloy & Steel Wheels) M22 x 1.5 x 112	Contained in Kit 30	20
32	NSS	Nut ¾"	Contained in Kit 30	10
35	4200100600	Inner Wheel Bearing 218 248 / 210		2
36	4200006000	Outer Wheel Bearing 33213		2
37	4373003501	Hub Seal		2
38	3434301700	Bearing Seal Kit	(Incl Pos 27.3, 37, & 38.1-38.3) For one wheel only	2
38.1	1337004000	Sleeve Ø106 x 66 x 15		2
38.2	1092200100	Seal Ø127 x 86 x 12		2
38.3	1092200200	Seal Ø143 x 95 x 9		2
39	1093000500	Gasket		2
40	1304001600	Hub Cap		2
NS	4337202601	Plug		2
42	4343291888	Screw 5/16" - 18 x 20		12
059	NA	Brake shoe & lining kit SNF Ø420 x 180	(Incl. 60, 64 & 75)	
60	3213002301	Anchor Pin Kit	(Incl Pos 61-63)	4
61	NSS	Anchor Pin	Contained in Kit 60	4
62		Anchor Pin Washer		8
63		Anchor Pin Circlip		8
64	3055013300	Brake Shoe Assembly	with linings (Incl Pos 65-74)	4
65	NSS	Brake Shoe - Metal Part	Avl as Item 64	4
66	1265002100	Camshaft Roller		4

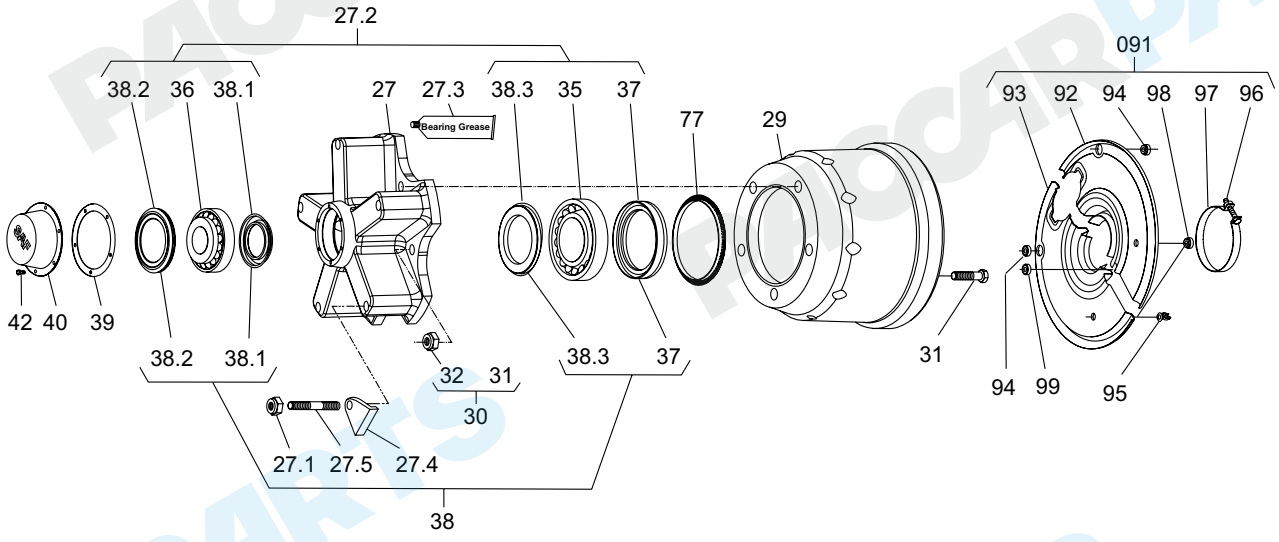
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J-SERIES RZT 12242/18C & RZT 10242/18C AXLES CONTINUED

SPIDER HUB - 420 x 180mm BRAKES



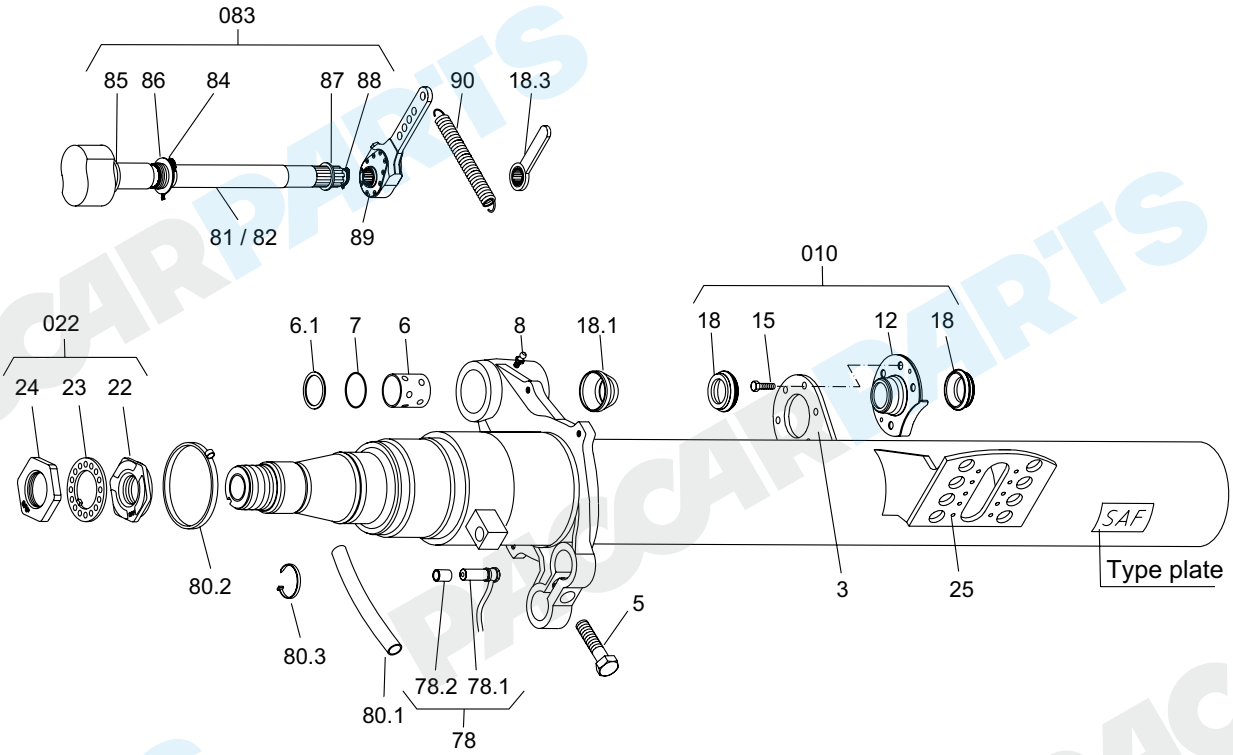


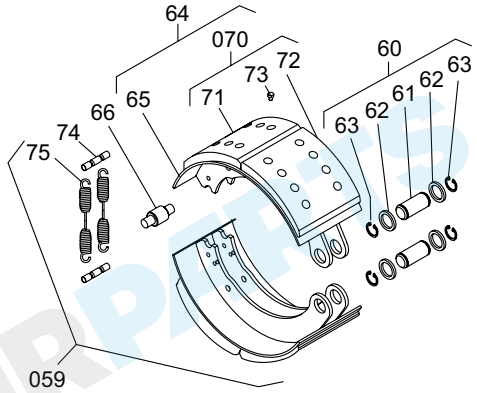


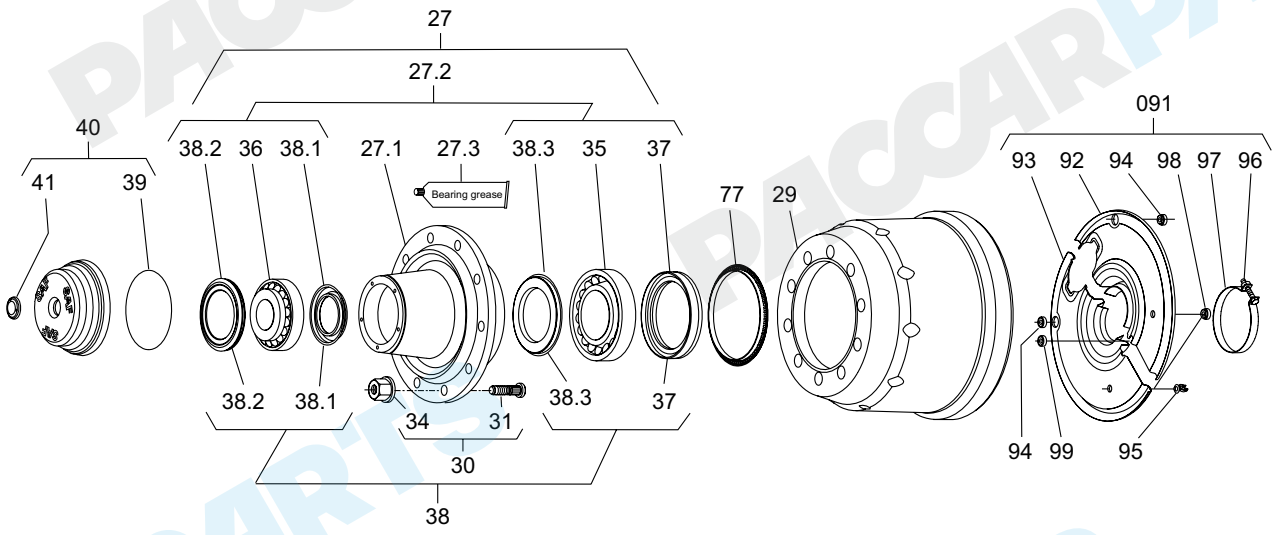
J-SERIES RZT 12242/18C & RZT 10242/18C AXLES CONTINUED
SPIDER HUB - 420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
070	NSS	Brake Lining Kit	Avl as Item 64	1
71 & 72		Linings (OEM Thickness of 17.5mm)		8
73		Rivet Kit (Incl. 80ea of B8X15)		1
74	1395100500	Retaining Pin		4
75	1447003800	Return Spring		4
77	NA	Pole Ring ABS, 100		2
78	3029023100	ABS Sensor Kit (Incl. Sensor, Sleeve & Paste)		2
80.1	NA	Cable Protecting Hose		2
80.2		Band Clamp		2
80.3		Fastener Ring		2
81	2262026902	'S' Cam LH, 668mm		1
82	2262027002	'S' Cam RH, 668mm		1
083	3317000400	Camshaft Replacement Kit	(Incl Pos 84-88)	2
84	NSS	Circlip	Contained in Kit 083	2
85		Washer, Ø60 / 38.2 x 1.75		2
86		Spring Washer		2
87		Washer, Ø51 / 38.8 x 1.5		12
88		Circlip		2
89	2175030600	Manual Slack Adjuster Ø12.7 Sleeve Dia		2
90	1447003600	Return Spring		2
091	3005021900	Dust Shield Pair	(Incl Pos 92-94 & 96-99)	2
92	NSS	Dust Cover, LH	Contained in Kit 091	2
93		Dust Cover, RH		2
94		Plug, Lining Inspection		4
95	NA	Cable Clip		2
96	4343107588	Screw, M8 x 40		2
97	4194202500	Band Clamp		2
98	4337202700	Plug		4
99	4177301800	Grommet		2

J-SERIES RZ 12242/18C AXLE
STUD HUB (10 x 285) - 420 x 180mm BRAKES







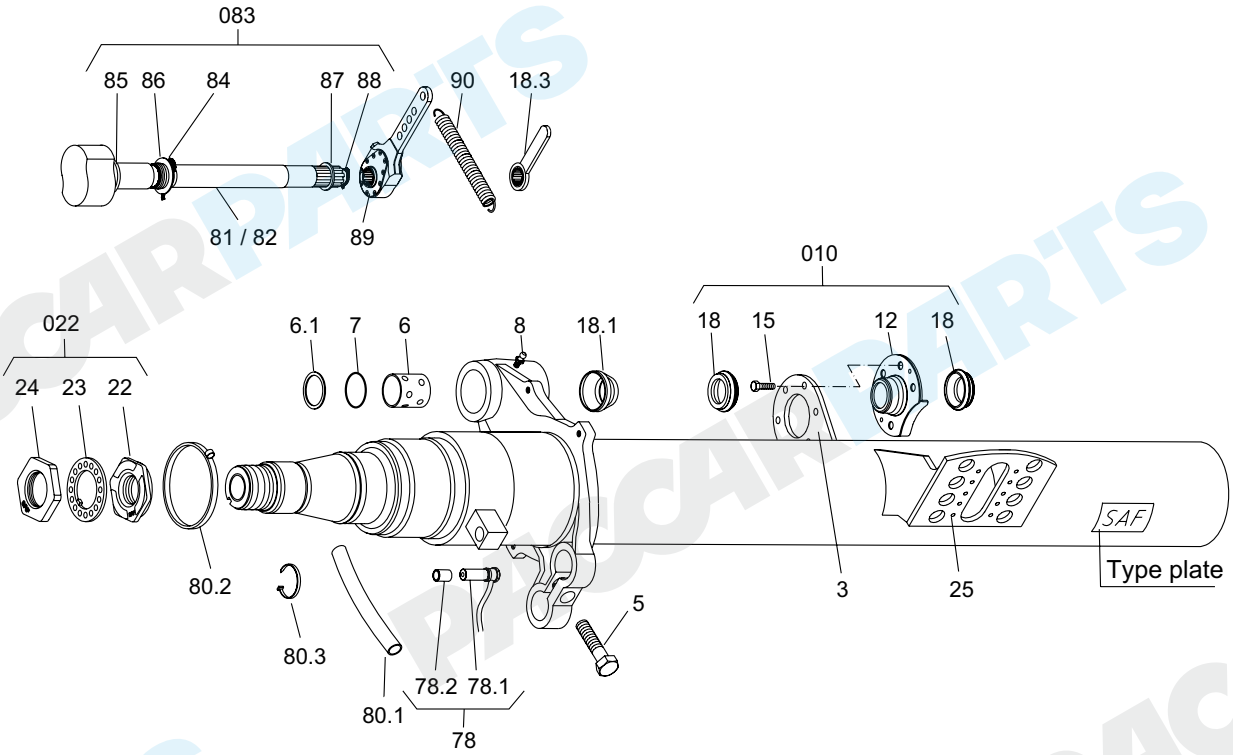
J-SERIES RZ 12242/18C AXLE
STUD HUB (10 x 285) - 420 x 180mm BRAKES

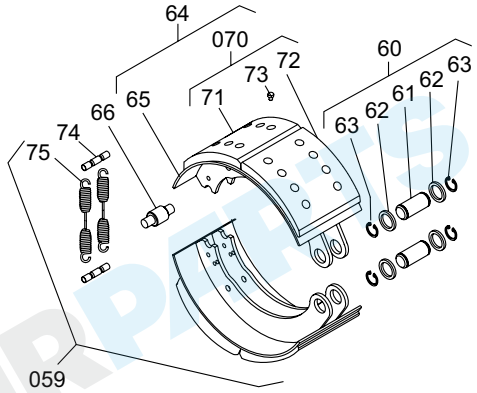
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
5	4343290400	Bolt M16, self-locking		2
6	1230010604	Camshaft bronze bush		2
6.1	1094003400	Spacer ring		2
7	4315004800	O-Ring 38		2
8	4201000500	Grease nipple M10		4
010	3268004700	Camshaft bush & bearing kit	(Incl. 12-18)	2
12	NSS	Camshaft bush unit	Also Contained in Kit 010	2
15	NSS	Screw, self-locking	Also Contained in Kit 010	10
18	4131000800	Rubber boot		4
18.1	1173300200	Rubber boot		2
18.3	4187000900	Wear indicator		2
22	1011004002	Inner axle nut - M56 x 2, Socket 85		2
022	3011004001	Axle nut kit	(Incl. 22-24) Req star washer in addition to kit	2
23	1345000801	Retaining washer		2
24	4011003901	Outer axle nut - M56 x 2, Socket 85		2
27	3307303900	Hub assy - RZ 12242 - K2 - 10 x 285.75PCD		2
27.2	3434301600	Bearing & seal kit	(Incl. Pos. 27.3, 35, 36, 37 & 38.1-38.3)	2
27.3	5387001105	Bearing grease		2
29	1064030500	Brake drum, 420 x 180 - 262 lg - 10 x 285.75 PCD		2
30	3302114500	Wheel bolt & nut kit	(Incl. Pos. 31 & 34)	20
31	1303107512	Wheel bolt - 112 lg. - intermediate (for alloy & steel wheels)		20
34	33272215	Wheel nut - M22 x 1.5 - 27lg - Socket 33		20
	4247301201S	Wheel nut - M22 x 1.5 - 27lg - Socket 32		20
35	4200100600	Inner wheel bearing		2
36	4200006000	Outer wheel bearing		2
37	4373003501	Hub seal		2
38	3434301700	Seal kit	(Incl. Pos. 27.3, 37 & 38.1-38.3)	2
38.1	1337004000	Sleeve - Ø106 x 66 x 15		2
38.2	1092200100	Seal - Ø127 x 86 x 12		2
38.3	1092200200	Seal - Ø143 x 95 x 9		2
39	4315006400	O-Ring - Ø148 x 4		2
40	3304008600	Hub cap assy	(Incl. Pos. 39 & 41)	2
41	4337202601	Plug		2
059	NA	Brake shoe & lining kit SNF Ø420 x 180	(Incl. 60, 64 & 75)	2
60	3213002301	Anchor pin kit	(Incl. Pos. 61-63)	4
61	NSS	Anchor pin	Contained in Kit 60	4
62		Washer		8
63		Circlip		8
64	3055013300	Brake shoe assembly (with linings)	(Incl. Pos. 65-74)	4
65	2056012000	Brake shoe - metal part		4
66	1265002100	Camshaft roller		4
070	3057391200	Brake lining kit	(Incl. Pos. 71-73)	1
73	NSS	Rivet kit	(Incl. 80ea of B8x15)	1
74	1395100500	Retaining pin		4
75	1447003800	Return spring		4

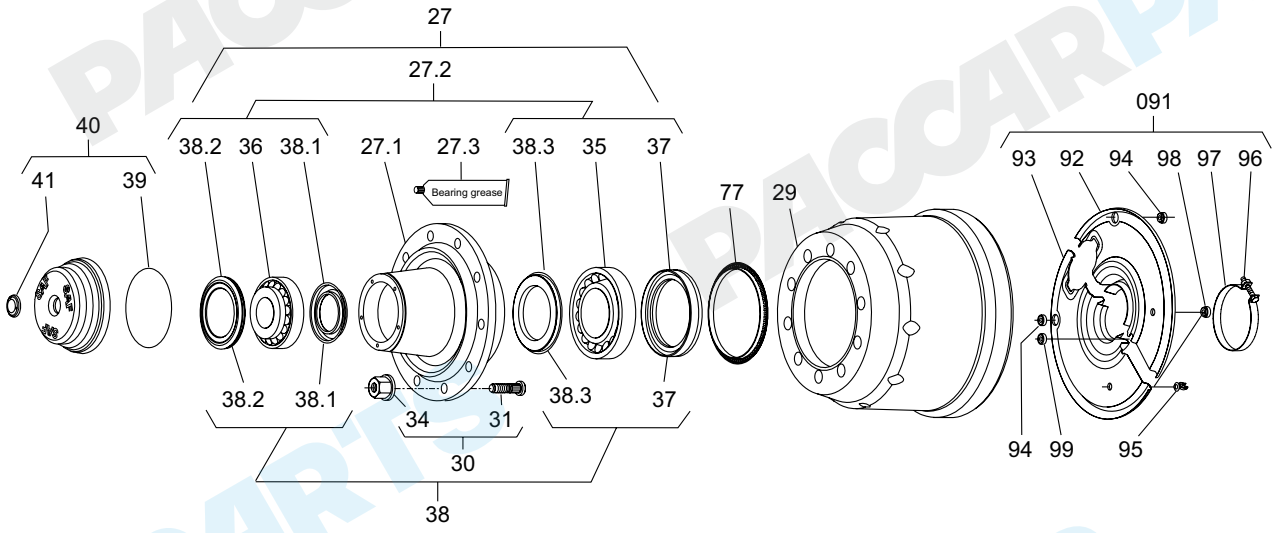
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

J-SERIES RZ 12242/18C AXLE CONTINUED

STUD HUB (10 x 285) - 420 x 180mm BRAKES



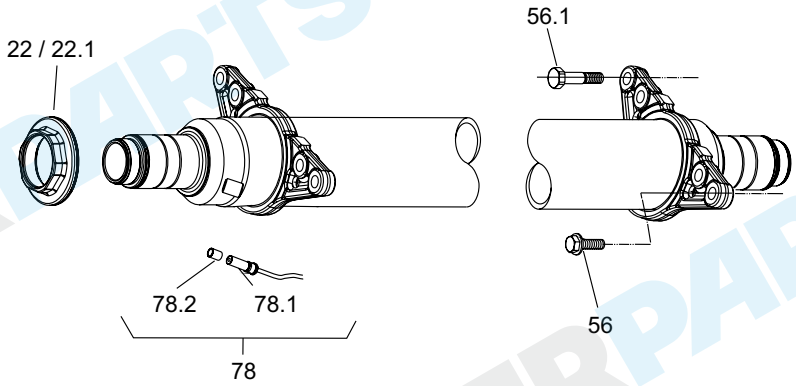


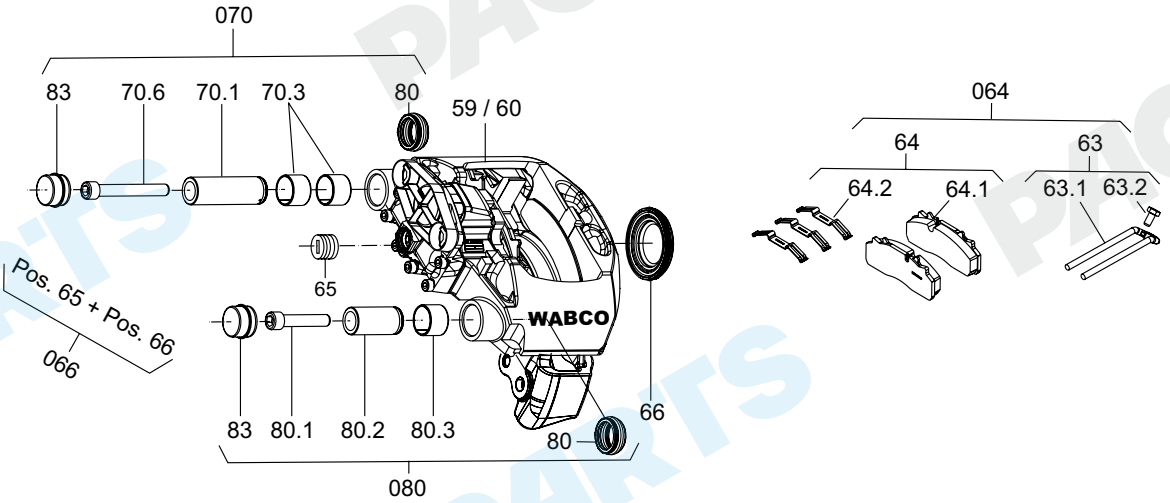


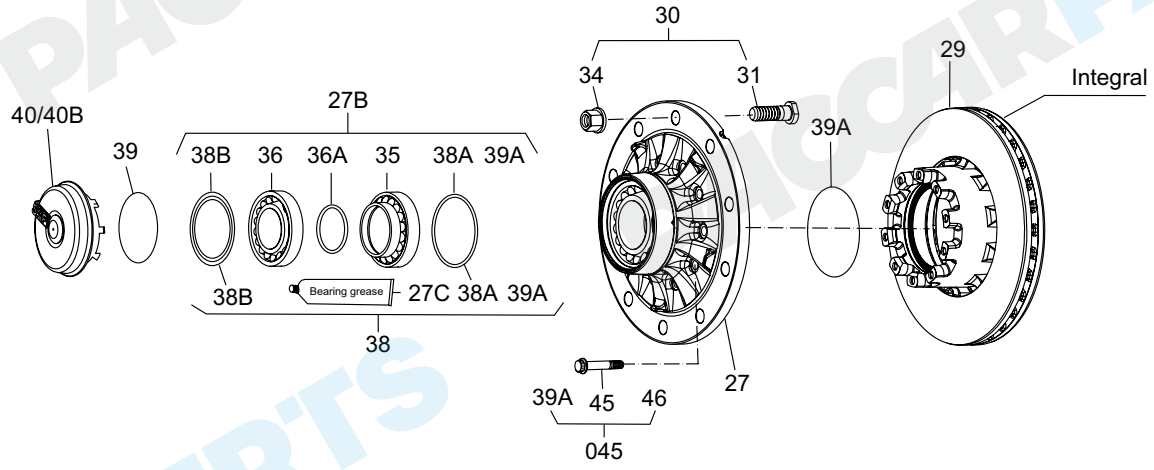
J-SERIES RZ 12242/18C AXLE CONTINUED
STUD HUB (10 x 285) - 420 x 180mm BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
77	NA	Pole ring ABS, 100 teeth		2
78	3029023100	ABS Sensor kit	(Incl. sensor, sleeve & paste)	2
80.1	NSS	Cable protecting hose		2
80.2		Band clamp		2
80.3		Fastener ring		2
81	2262026902	Camshaft LH, 668mm length		1
82	2262027002	Camshaft RH, 668mm length		1
083	3317000400	Camshaft installation replacement kit	(Incl. Pos. 84-88)	2
84	NSS	Circlip	Contained in Kit 083	2
85		Washer - Ø60 / 38.2 x 1.75		2
86		Spring washer		2
87		Washer - Ø51 / 38.8 x 1.5		12
88		Circlip		2
89	2175030600	Manual slack adjuster (Ø12.7mm holes)		2
90	1447003600	Return spring		2
091	3005021900	Dust shield pair	(Incl. Pos. 92-94 & 96-99)	2
92	NSS	Dust cover, LH		2
93	NSS	Dust cover, RH		2
94	4337200801	Plug, lining inspection		4
95	NSS	Cable clip		2
96	4343107588	Screw, M8 x 40		2
97	4194202500	Band clamp		2
98	4337202700	Plug		4
99	4177301800	Grommet		2

ZI9-19W
DUAL WHEELS (INTEGRAL - PAN 19)



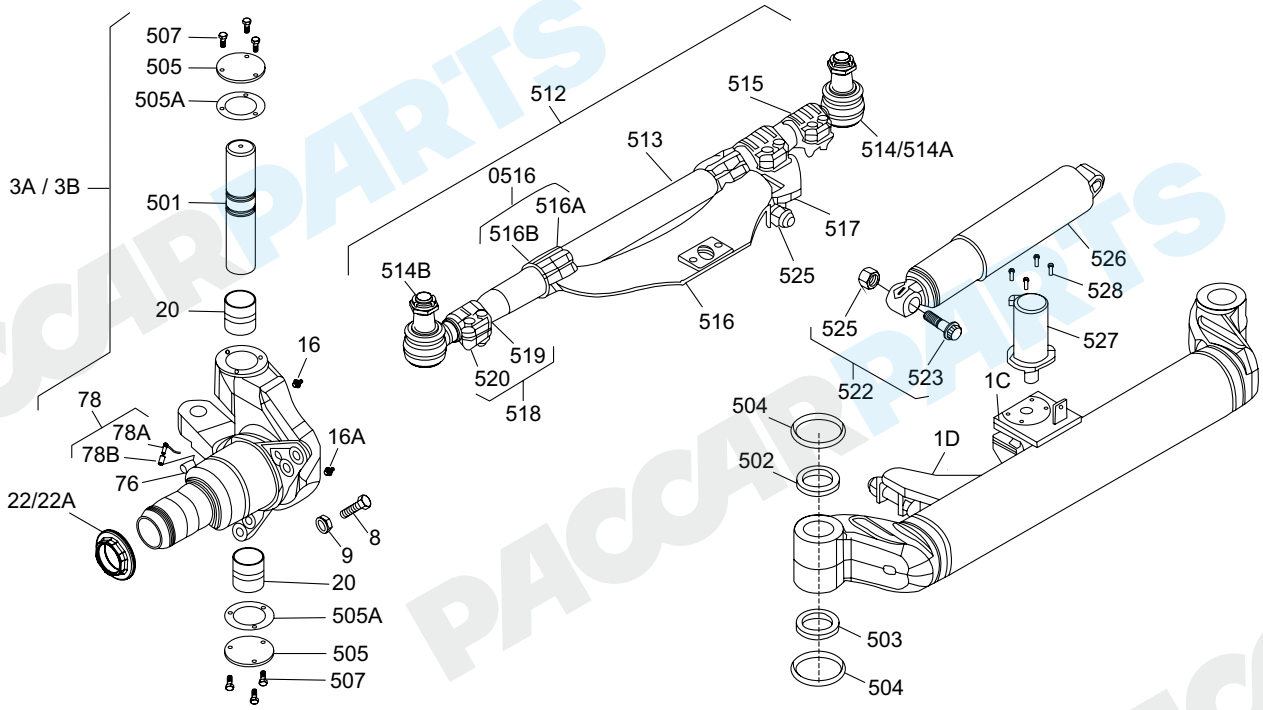


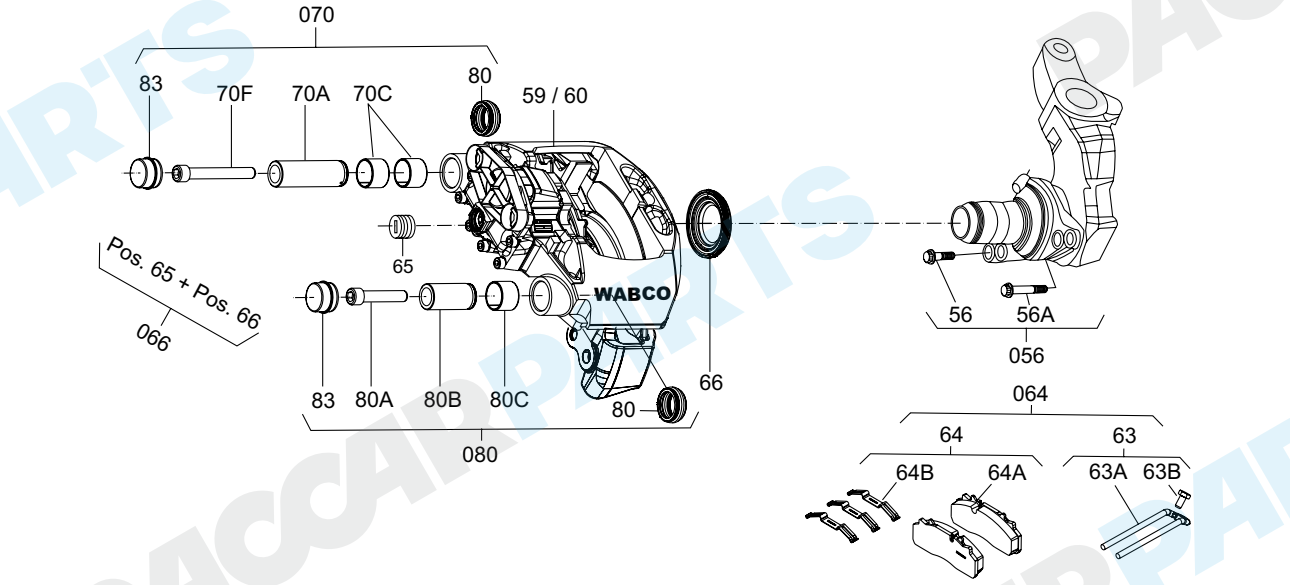


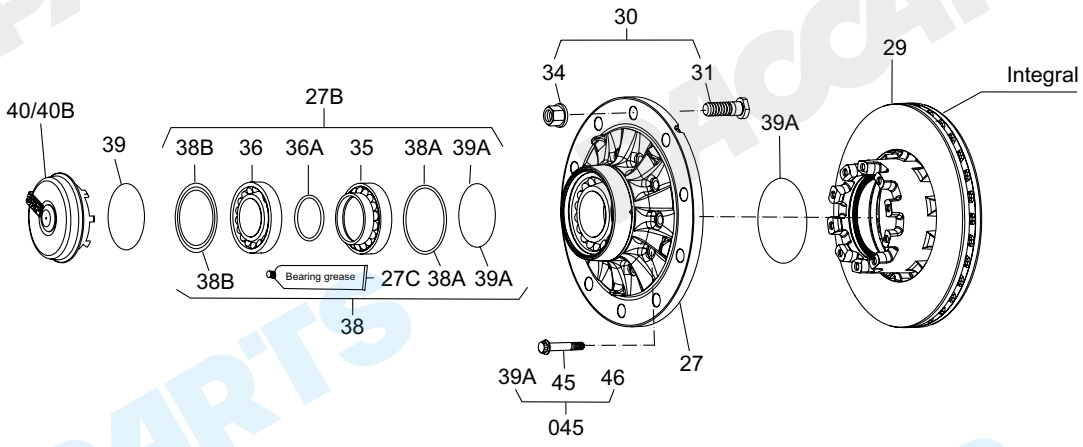
ZI9-19W
DUAL WHEELS (INTEGRAL - PAN 19)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
22	1011008600	Axle Nut RH - M75 x 1.5/SW85 (without Groove)		2
22.1	1011008500	Axle Nut LH - M75 x 1.5/SW85 (with Groove)		2
27	3307304800	Hub Unit - Integral - 8 x 275 PCD		2
	3307304900	Hub Unit - Integral - 10 x 285.75 PCD		2
	3307305500	Hub Unit - Integral - 10 x 335 PCD		2
27B	3434302218	Intradisc Integral Bearing & Seal Kit	Includes 35, 36, 36A, 38A, 38B, 39A	1
29	3079001601	Brake Disc (Integral Rotor) - Dual Steel/Alloy Wheels - 10 x 285.75 PCD, 10 x 335 PCB, 8 x 275 PCD		2
30	NA	Wheel Bolt & Nut Kit	Use item no 31 / 34	2
31	1303112810	Wheel Stud - M22 x 1.5 x 103 - Dual Steel/Alloy Wheels (Stepped Body)		16 / 20
34	33272215	Wheel Nut M22 x 1.5 x 27 - SW33		16 / 20
	42473012015	Wheel Nut M22 x 1.5 x 27 - SW32 (Box 20)		16 / 20
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27C, 36A, 38A, 38B, 39A)	1
39A	4315007500	O-Ring, Hub Seal, 92mm x 4		2
40	3304010201	Hub Cap/Hub Cap O-Ring		2
40B	4304010301	Hub Cap For Hubodometer & Seal		2
45	4375100912	Hub/Rotor Bolts M14X1.5X65	Use 12pt socket	20
045	3434366300	Hub Kit – 10 x M14 Bolts, Hub O-Ring & Grease	(Incl. Pos. 45-46-39A)	2
56	4375100610	Bolt With Collar M18 - Caliper		6
56.1	4375100810	Centering Bolt M18 - Caliper		2
59	3080007200	Brake Caliper Assy, Wabco RH		1
60	3080007100	Brake Caliper Assy, Wabco LH		1
064	3057008002	Brake Pad Kit - 4 Pads	(Incl. Pos. 63,64 & 65)	1
066	3434382900S	Repair-Kit	(Incl. Pos. 65 & 66)	2
070	3434382701	Guide Pin Kit Or Caliper Repair Kit	(Incl. Pos. 65, 66, 70.1 - 70.6 & 080)	2
78	3029024200	ABS Sensor & Clamping Sleeve Kit		2
78.1	4410350010	Sensor ABS Wabco		2
78.2	8997598824	Clamping Sleeve - ABS		2
ASSY	3606304900	Hub & Rotor Assy 10 x 285		1
KIT	3434366000	Caliper Bolt Kit Zi9-19W Axle Suits One Caliper (4 Bolts)		1
TOOL	2501880	Hub Nut Socket (SW85mm) (Option 4 434 382 800L)		1
	3434332700	SAF Ratchet Wrench		1
	4434382200	Universal Hub Puller		1
	3434332800S	SAF Universal Toolbox (Wabco & Knorr Calipers)		1

ZIL9-19W-OVERSLUNG STEER AXLE
DUAL WHEELS (PAN 19)



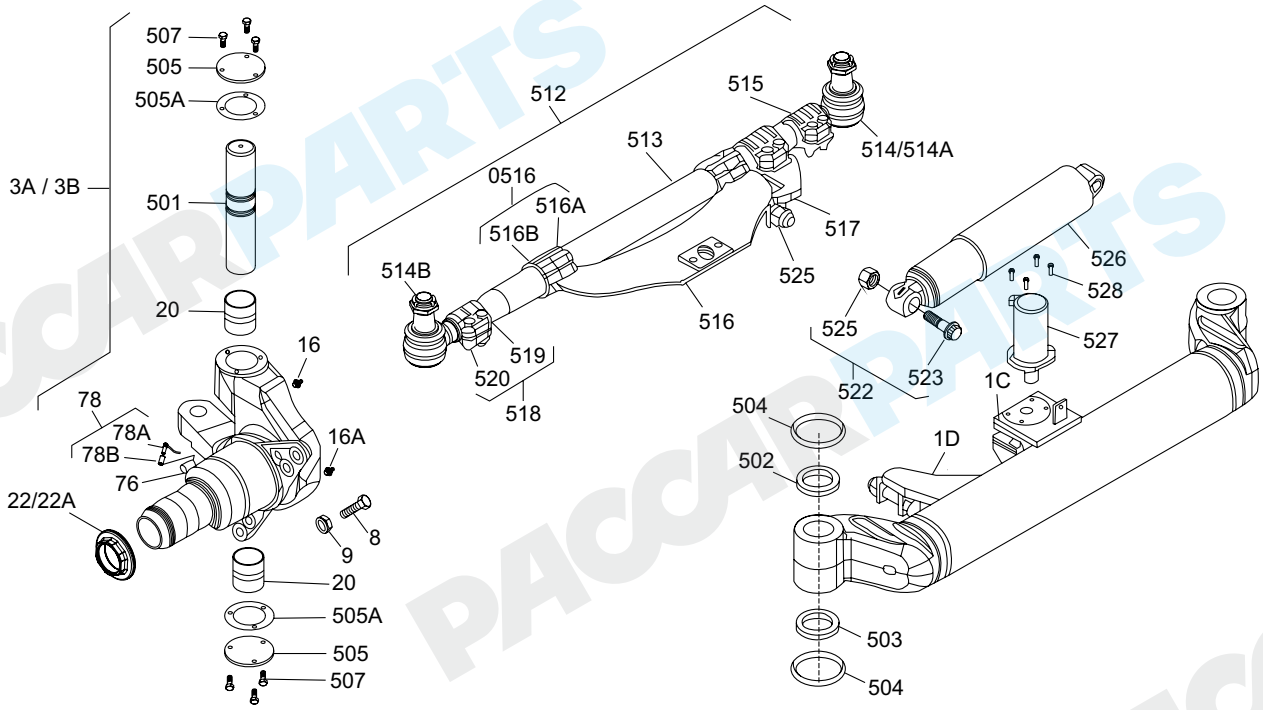


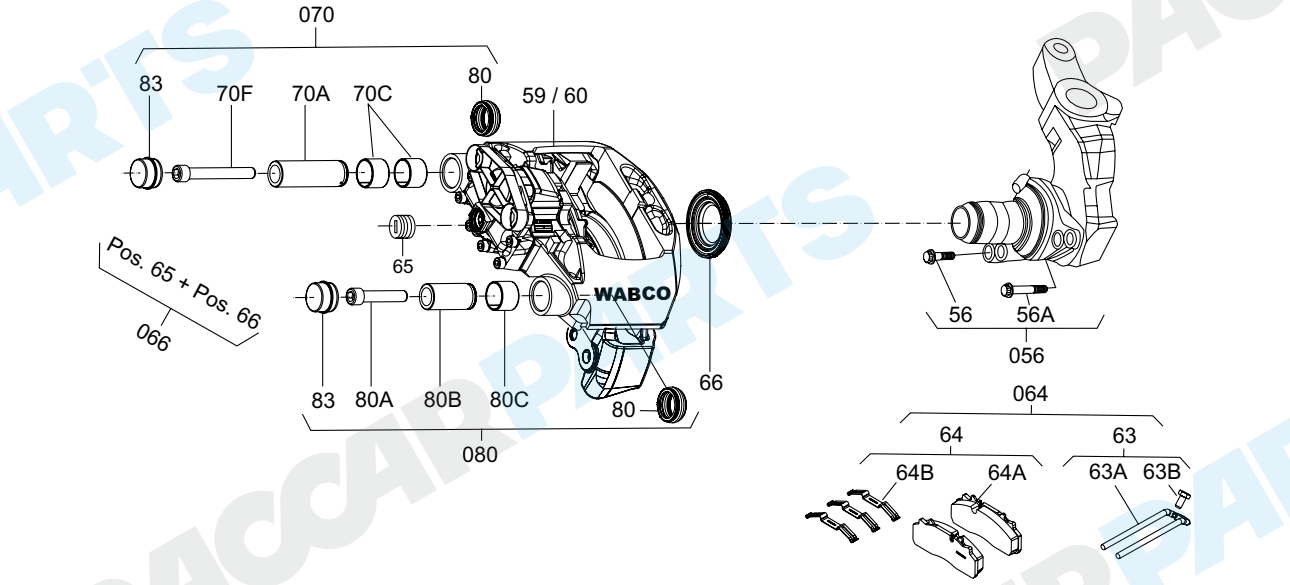


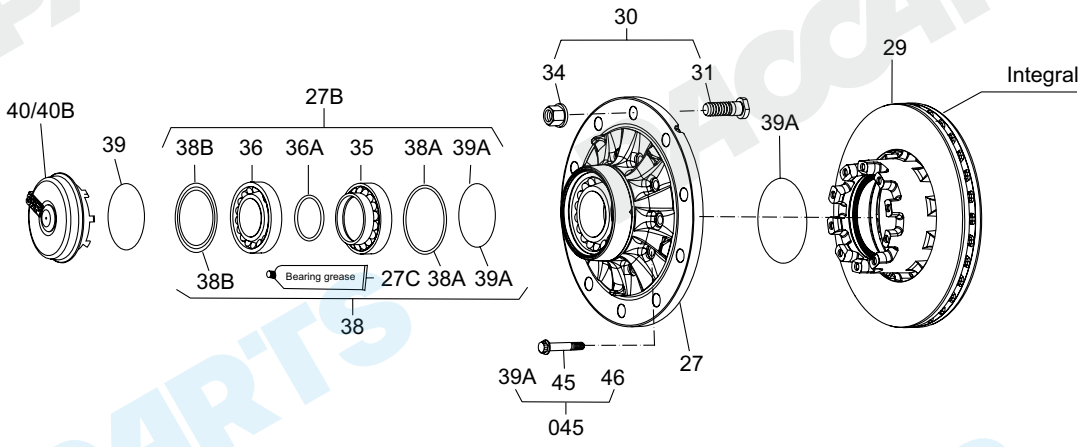
ZIL9-19W-OVERSLUNG STEER AXLE
DUAL WHEELS (PAN 19)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	I0ZI919W-3	Intradisc Integral - 10 x 335 PCD Overslung	Intradisc O/S Axle Beam Only - 03516328000 Overslung with trailing arms Use Part# 03516334800	1
	I0ZI919W-7	Intradisc Integral - 10 x 275 PCD Overslung		1
	I0ZI919W-8	Intradisc Integral - 10 x 285 PCD Overslung		1
1C	NSS	Reverse Gear Lock	Part of axle assembly	1
1D	NSS	Shock Mount Bracket	Part of axle assembly	1
3A	3222186100	Steering Knuckle Assembly Left	(Incl. Pos. 8-9, 16-20, 22, 501-506)	1
3B	3222186200	Steering Knuckle Assembly Right	(Incl. Pos. 8-9, 16-20, 22, 501-506)	1
8	4343208001	Screw	M20 x 110	2
9	4342001780	Nut	M20	2
16	4201000100	Grease Nipple	16L/AM8x1	2
16A	4201000200	Grease Nipple	23,5L/BM8x1	2
20	4230017000	Bearing Bush	Ø65 / 60 x 70	4
22	1011008600	Axle Nut Right	M75 x 1, 5/SW85	1
22A	1011008500	Axle Nut Left	M75 x 1, 5/SW85	1
27	3307304900	Hub Unit Integral 285 PCD	TK285, 75-10L	2
27B	3434302218	Repair Kit Wheel Bearing	Incl Pos 35, 36, 36A, 38A, B & 39A	2
29	3079001601	Brake Disc Integral 19.5"	Ø377mm x 50 x 145	2
30	NA	Wheel Bolt & Nut Kit	Use Item 31 / 34	2
31	1303112810	Wheel Bolt	M22 x 1, 5 x 103 - ALU	20
34	4247301201S	Wheel Bolt Nut	M22 x 1, 5 x 27H/SW32	20
35	NSS	Roller Bearing	B/S/Z-Series - refer kit 27B	2
36		Roller Bearing	B/S/Z-Series - refer kit 27B	2
36A		Holding Ring	Refer kit 27B	2
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27C, 36A, 38A, 38B, 39A & grease)	2
38A	NSS	Sealing Ring (Inside)	D112 / 138, 5 x 11	2
38B		Sealing Ring (Outside)	D112 / 138, 5 x 6	2
39		O-Ring	Ø139, 07 x 5, 33	2
39A	4315007500	O-Ring	Ø92 x 4	2
40	3304010201	Hub Cap Incl. O-Ring	S/Z/ZI/BI	2
40B	4304010301	Wheel Cap Assembly & Hubodometer	S/Z/ZI/BI	2
45	4375100912	Double Hex Rotor Bolt	M14	20
045	3434366300	Accessories Disc Brake	(Incl. Pos. 39A, 45, 46)	2
46	NSS	Grease	RENOLIT PASTE AZ0-1 /5g	2
056	3434366000	Brake Caliper Fixing Bolts Kit	(Incl. Pos. 56, 56A)	2
56	4375100610	Double Hex Bolt	M18 x 1, 5 x 55	6
56A	4375100810	Pivot Retaining Bolt	M18 x 1, 5 x 55	2
59	3080007100	Brake Caliper Assembly Left	PAN19-1	1
60	3080007200	Brake Caliper Assembly Right	PAN19-1	1
63	NSS	Mounting Plate Kit (Knorr)	(Incl. Pos. 63A-63B)	2
63A		Mounting Plate (Wabco)		2
63B		Bow Screw (Wabco)		2
064	3057008002	Disc Pad Set	19.5" - (Incl. Pos. 63, 64A, 64B)	1

ZIL9-19W-OVERSLUNG STEER AXLE CONTINUED
DUAL WHEELS (PAN 19)







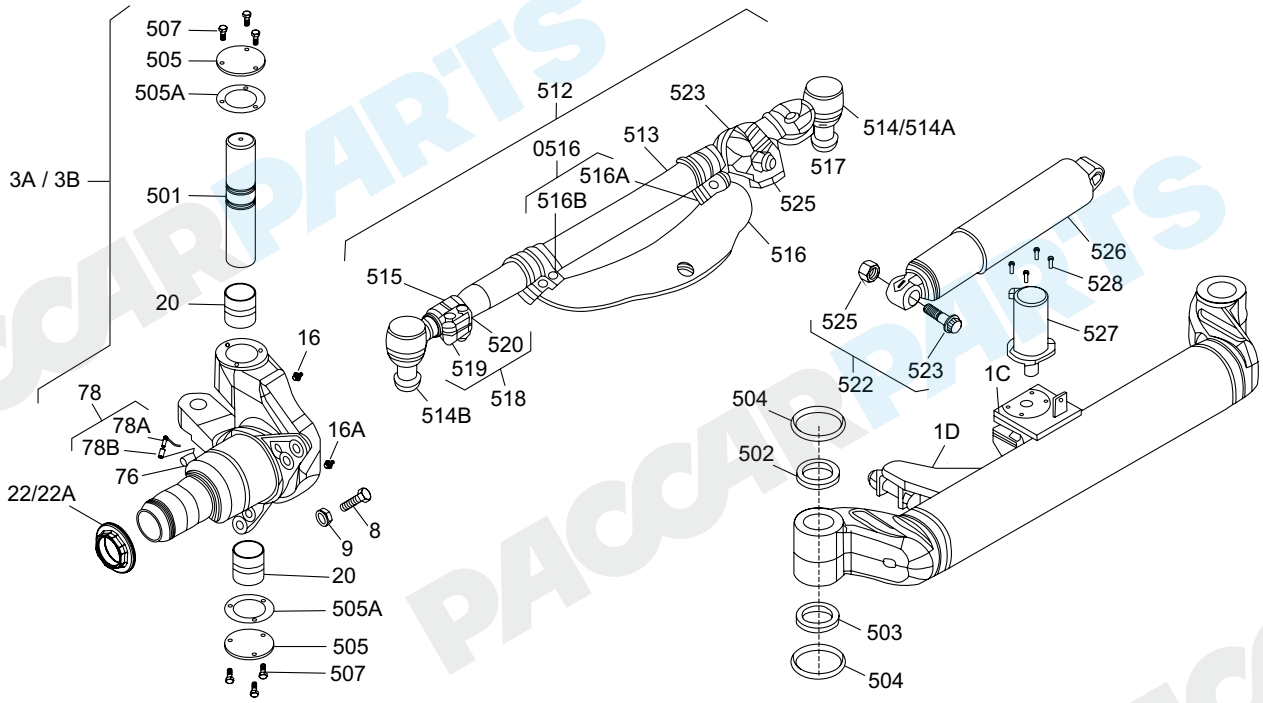
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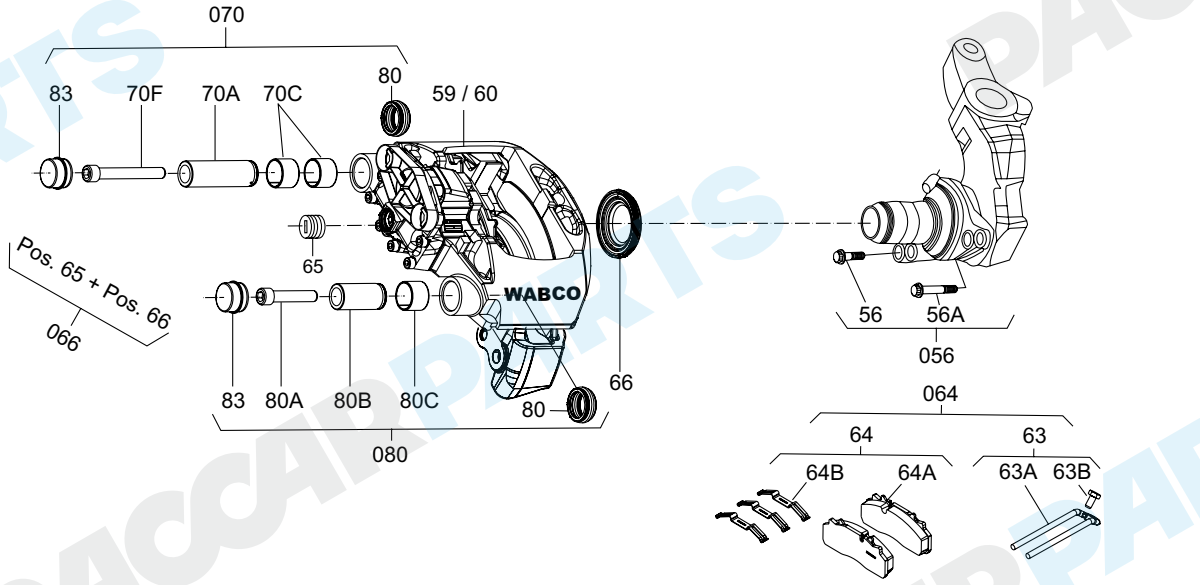
ZIL9-19W-OVERSLUNG STEER AXLE CONTINUED
DUAL WHEELS (PAN 19)

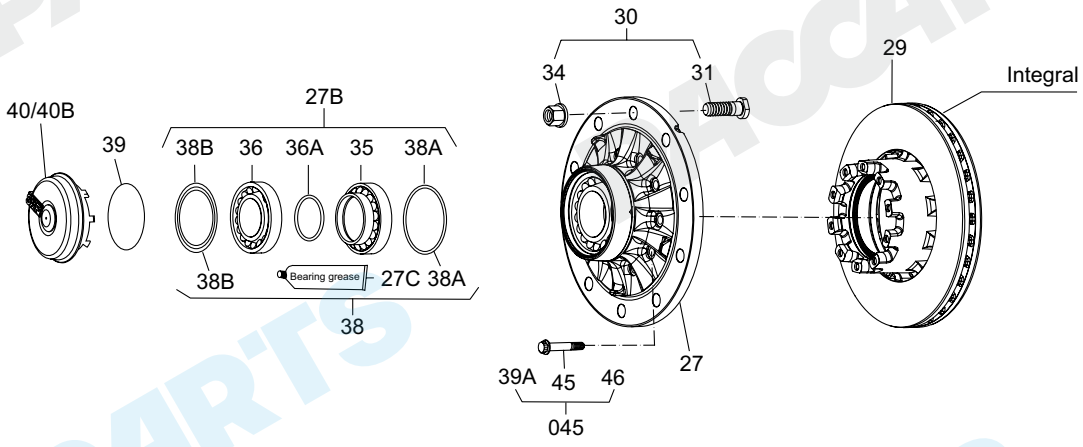
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
64A	NSS	Disc Pad		4
64B		Spring Clamp		4
65		Plug (Wabco)		2
66		Protecting Cap (Wabco)		2
066	3434382900	Guide-/Seal Kit (Wabco)	(Incl. Pos. 65 & 66)	2
070	3434382701	Guide-/Seal Kit	(Incl Pos 65, 66, 70A, 70C, 70F, 80-80C, 83)	2
70A	NSS	Guide Pin (Wabco)		2
70C		Bush (Haldex)		4
70F		Cylinder Screw (Knorr)		2
76		Holder	19 / 13 H11 x 26	2
78	3029024200	ABS Sensor	(Incl. Pos. 78A & 78B)	2
78A	4029107000	Sensor		2
78B	NSS	Locating Sleeve		2
80		Bellow (Knorr)		2
080		Guide-/Seal Kit	(Incl. Pos. 80, 80A-80C, 83)	2
80A		Cylinder Screw (Knorr)		2
80B		Guide Pin (Wabco)		2
80C		Bush (Haldex)		2
83		Cap (Knorr)		4
500	3434365700	Repair Kit Steering Knuckle	(Incl. Pos. 20, 501-507)	2
501	NSS	Steering Bolt	Ø60 x 298	2
502		Thrust Plate	Ø90 / 62 x 9,8	2
503		Thrust Plate		2
504		O-Ring	Ø84 x 11	4
505		Cover Plate	Ø100 x 6/TK80	4
505A		Gasket	Ø100 / 64, 5 x 0,5	4
507		Screw	M8 x 22-KL90	12
512	3357020600	Track Rod Assembly	58 x 1080-1139	1
513	NSS	Track Rod	58 x 980	1
514	2205000300	Ball Joint Left		1
514A	2205000400	Ball Joint Right		1
514B	4202101150	Castle Nut	M30 x 1,5	2
515	NSS	Collar	Ø48	2
0516	3341202319	Screw Assembly	M12 x 1, 5 x 65, Inc 516A,516B	6
516	2193004600	Lock Plate		1
516A	NSS	Screw	M12 x 1, 5 x 65	6
516B		Safety Flange	M12 x 1, 5	6
517		Clamping Piece		1
518		Screw Assembly	M12 x 1, 5 x 62, Inc 519, 520	4
519		Screw	M12 x 1, 5 x 62	4
520		Safety Flange	M12 x 1, 5	4
522	3341002319	Screw Assembly	(Incl. Pos. 523-525)	2
523	4343002388	Screw	M24 x 110	2
525	4247401480	Safety Flange	M24	2
526	2376101300	Shock Absorber		1
527	4454300400	Cylinder	Ø65 x 50	1
528	4375400188	Cylinder Screw (Knorr)	M6 x 20	4

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ZIL9-19W-UNDERSLUNG STEER AXLE
DUAL WHEELS (PAN 19)





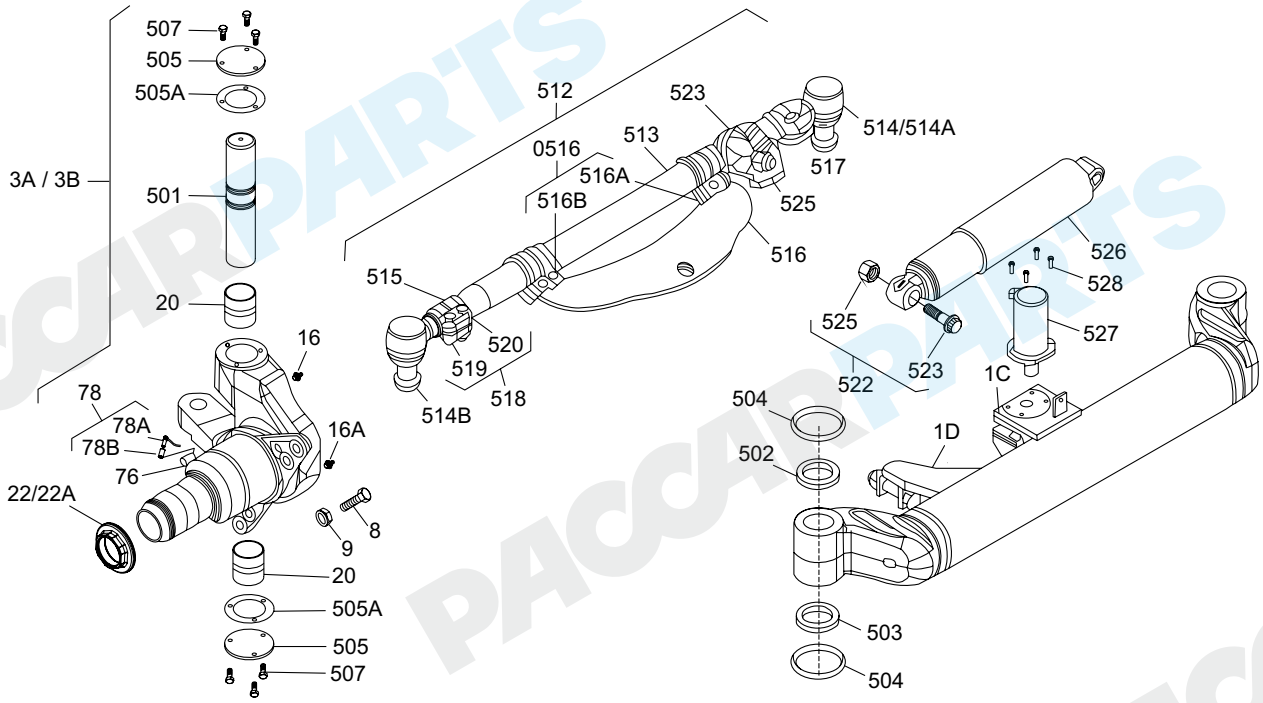


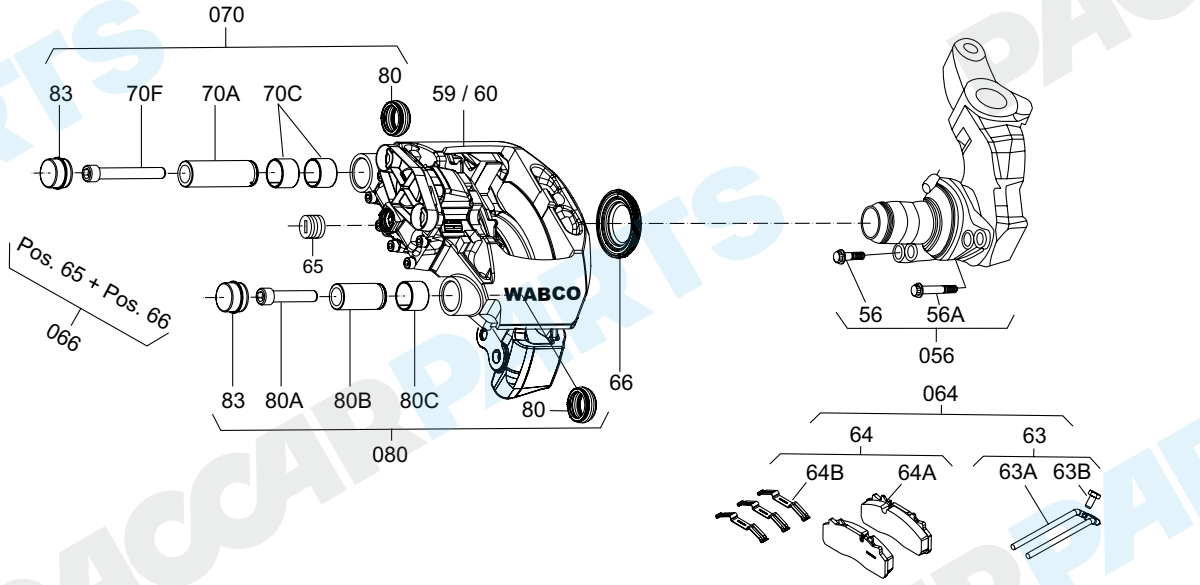
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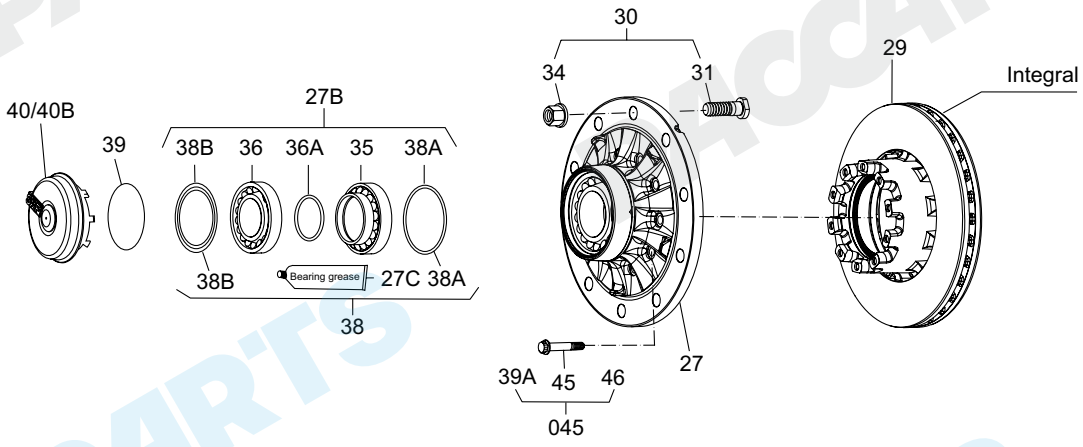
ZIL9-19W-UNDERSLUNG STEER AXLE
DUAL WHEELS (PAN 19)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	IUZI919W-3	Intradisc Integral - 10 x 335 PCD Underslung	Intradisc U/S Axle Beam Only - 03516327700 Underslung with trailing arms Use Part# 03516335000	1
	IUZI919W-7	Intradisc Integral - 10 x 275 PCD Underslung		1
	IUZI919W-8	Intradisc Integral - 10 x 285 PCD Underslung		1
3A	3222185900	Steering Knuckle Assembly Left	(Incl. Pos. 8-9, 16-20, 22 ,501-506)	1
3B	3222186000	Steering Knuckle Assembly Right	(Incl. Pos. 8-9, 16-20, 22 ,501-506)	1
8	4343208001	Screw	M20 x 110	2
9	4342001780	Nut	M20	2
16	4201000100	Grease Nipple	16L/AM8 x 1	2
16A	4201000200	Grease Nipple	23,5L/BM8 x 1	4
20	4230017000	Bearing Bush	Ø65 / 60 x 70	4
22	1011008600	Axle Nut Right	M75 x 1, 5/SW85	1
22A	1011008500	Axle Nut Left	M75 x 1, 5/SW85	1
27	3307304900	Hub Unit Integral	TK285, 75-10L	2
27B	3434302218	Repair Kit Wheel Bearing	Incl Pos 35, 36, 36A, 38A, B & 39A	2
29	3079001601	Brake Disc Integral	Ø377mm x 50 x 145	2
30	NA	Wheel Bolt & Nut Kit	Use item no 31 / 34	2
31	1303112810	Wheel Bolt	M22 x 1, 5 x 103 - ALU	20
34	4247301201S	Wheel Bolt Nut	M22 x 1, 5 x 27H/SW32	20
35	NSS	Roller Bearing	B/S/Z-Series - Refer kit 27B	2
36		Roller Bearing	B/S/Z-Series - Refer kit 27B	2
36A		Holding Ring	Refer kit 27B	2
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27C, 36A, 38A, 38B, 39A & grease)	2
38A	NSS	Sealing Ring (Inside)	Ø112 / 138, 5 x 11	2
38B		Sealing Ring (Outside)	Ø112 / 138,5 x 6	2
39		O-Ring	Ø139, 07 x 5, 33	2
39A	4315007500	O-Ring	Ø92 x 4	2
40	3304010201	Hub Cap Incl. O-Ring	S/Z/ZI/BI	2
40B	NSS	Wheel Cap Assembly & Hubodometer	S/Z/ZI/BI	2
45	4375100912	Double Hex Bolt	M14	20
045	3434366300	Accessories Disc Brake	(Incl. Pos. 39A, 45, 46)	2
46	5387004203	SAF Lilube Easy Fit	5g	2
56	4375100610	Double Hex Bolt	M18 x 1, 5 x 55	6
056	3434366000	Brake Caliper Fixing Bolts Kit	Inc 56 & 56A	2
56A	4375100810	Pivot Retaining Bolt	M18 x 1, 5 x 55	2
59	3080007100	Wabco Brake Caliper Assembly Left	PAN19-1	1
60	3080007200	Wabco Brake Caliper Assembly Right	PAN19-1	1
63	NSS	Mounting Plate Kit (Knorr)		2
63A		Mounting Plate (Wabco)		2
63B		Bow Screw (Wabco)		2
NSS	3424200100	Brake Pad Wear Indicator	Wabco 19.5"	1
064	3057008002	Disc Brake Pad Kit	(Incl. Pos. 63, 64 & 65)	1
64A	NSS	Brake Lining		4
64B		Spring Clamp		4
65		Plug (Wabco)		2

ZIL9-19W-UNDERSLUNG STEER AXLE CONTINUED
DUAL WHEELS (PAN 19)



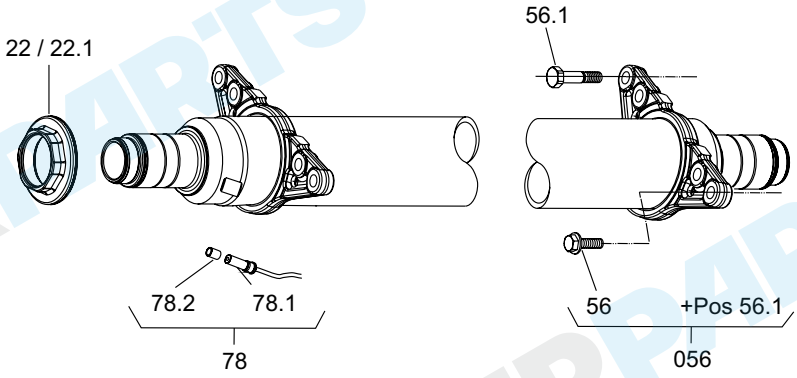


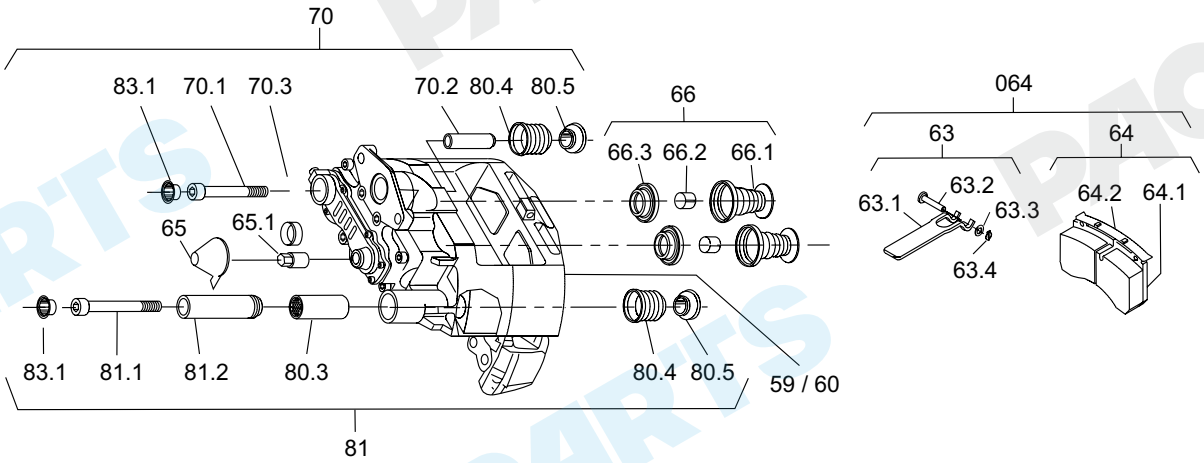


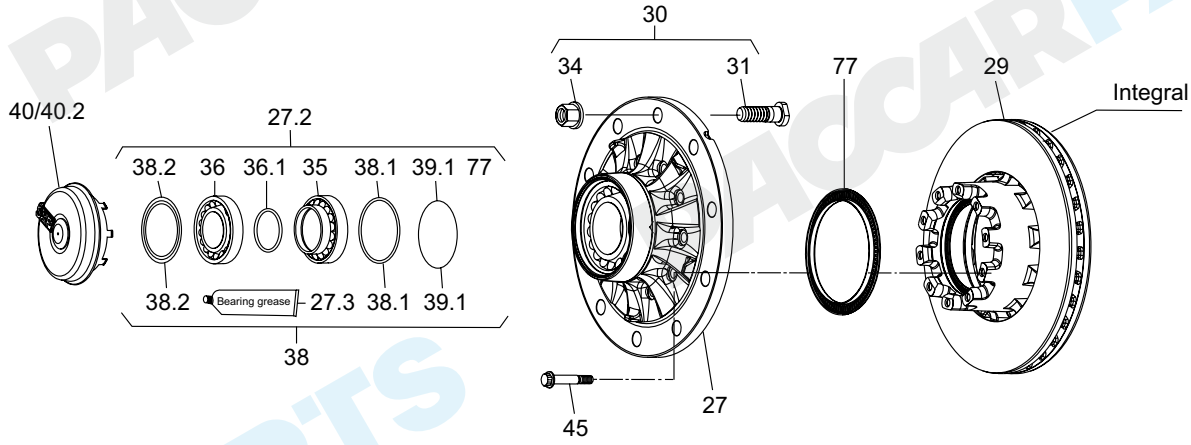
ZIL9-19W-UNDERSLUNG STEER AXLE CONTINUED
DUAL WHEELS (PAN 19)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
66	NSS	Protecting Cap (Wabco)		2
066	3434382900	Guide-/Seal Kit (Wabco)	(Incl. Pos. 65 & 66)	2
070	3434382701	Guide-/Seal Kit	(Incl Pos 65, 66, 70A, 70C, 70F, 80-80C, 83)	2
70A	NSS	Guide Pin (Wabco)		2
70C		Bush (Haldex)		4
70F		Cylinder Screw (Knorr)		2
76		Holder	19 / 13 H11 x 26	2
78	3029024200	ABS Sensor Kit	(Incl. Pos. 78A & 78B)	2
78A	4029107000	Sensor		2
78B	NSS	Locating Sleeve		2
80		Bellow (Knorr)		2
080		Guide-/Seal Kit		2
80A		Cylinder Screw (Knorr)		2
80B		Guide Pin (Wabco)		2
80C		Bush (Haldex)		2
83		Cap (Knorr)		4
500	3434365700	Repair Kit Steering Knuckle	(Incl. Pos. 20, 501-507)	2
501	NSS	Steering Bolt	Ø60 x 298	2
502		Thrust Plate	Ø90 / 62 x 9, 8	2
503		Thrust Plate	down	2
504		O-Ring	Ø84 x 11	4
505		Cover Plate	Ø100 x 6/TK80	4
505A		Gasket	Ø100 / 64, 5 x 0, 5	4
507		Screw	M8 x 22-KL90	12
512	3357020600	Track Rod Assembly	Ø58 x 1080-1139mm	1
513	NSS	Track Rod	58 x 980	1
514	2205000300	Ball Joint Left		1
514A	2205000400	Ball Joint Right		1
514B	4202101150	Castle Nut	M30 x 1, 5	2
515	NSS	Collar	Ø48	2
516	2193004600	Lock Plate		1
0516	3341202319	Screw Assembly	M12 x 1, 5 x 65, Inc 516A, 516B	6
516A	NSS	Screw	M12 x 1, 5 x 70	6
516B		Safety Flange	M12 x 1, 5	6
517		Clamping Piece		1
518		Screw Assembly	M12 x 1, 5 x 62, Inc 519, 520	4
519		Screw	M12 x 1, 5 x 62	4
520		Safety Flange	M12 x 1, 5	4
522	3341002319	Screw Assembly	M24 x 110, Inc 523-525	2
523	4343002388	Screw	M24 x 110	2
525	4247401480	Safety Flange	M24	2
526	2376101300	Shock Absorber		1
527	4454300400	Cylinder	Ø65 x 50	1
528	4375400188	Cylinder Screw (Knorr)	M6 x 20	4

ZI9-22K01
DUAL WHEELS (SK7)



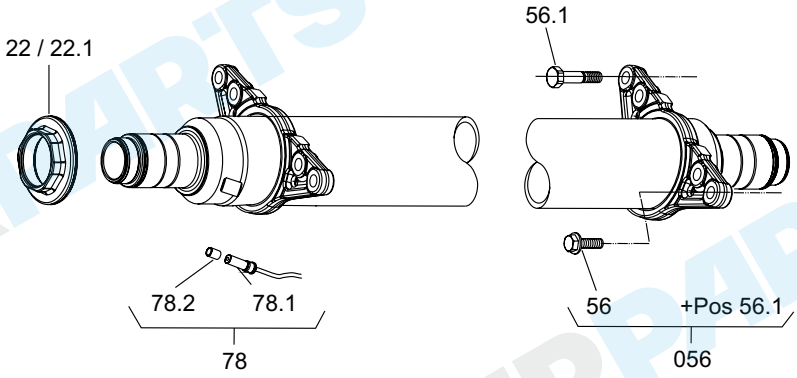


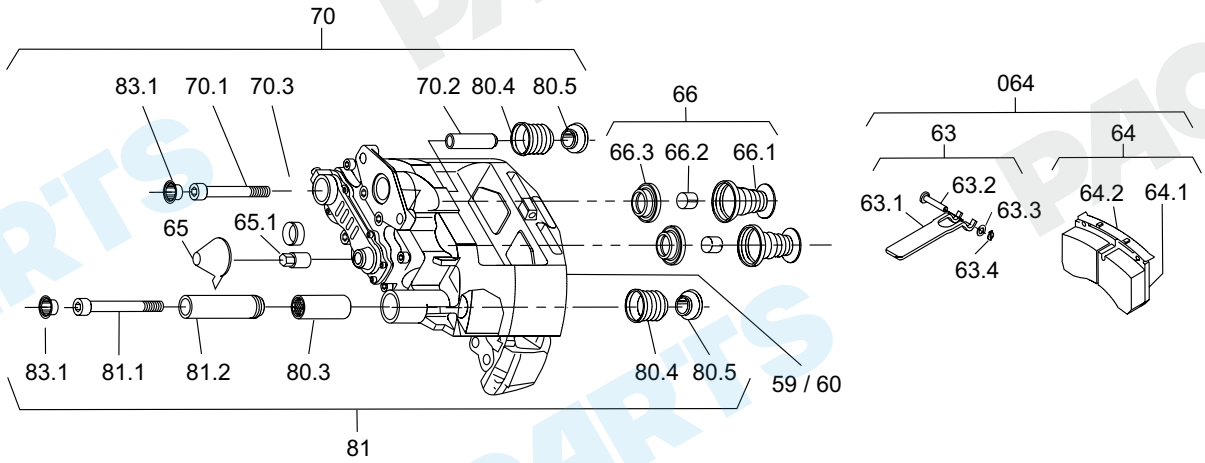


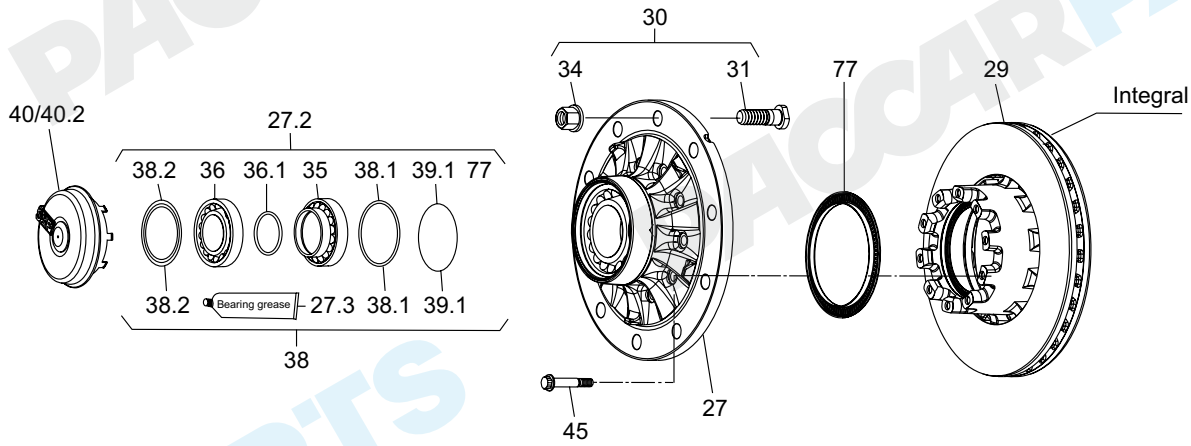
ZI9-22K01
DUAL WHEELS (SK7)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
22	1011008600	Axle Nut Right	M75 x 1, 5/SW85	1
22.1	1011008500	Axle Nut Left	M75 x 1, 5/SW85	1
27	3307304900	Hub Unit Integral 285 PCD 10 Stud	TK285, 75-10L	2
27.2	3434302218	Repair Kit Wheel Bearing	Incl Pos 35, 36, 36.1, 38.1, B & 39.1	2
29	4079001501	Brake Disc Integral 22.5"	Ø430mm x 45 x 135	2
30	NA	Wheel Bolt & Nut Kit	Use Item no 31 / 34	2
31	1303112810	Wheel Bolt	M22 x 1, 5 x 103 - ALU	20
34	4247301201S	Wheel Bolt Nut	M22 x 1, 5 x 27H/SW32	20
35	NSS	Roller Bearing	B/S/Z-Series, Avl as Item 27.2	2
36		Roller Bearing	B/S/Z-Series, Avl as Item 27.2	2
36.1		Holding Ring	Avl as Item 27.2	2
38	3434302500	Seal & Grease Kit	(Incl. Pos. 27.3, 36.1, 38.1, 38.2, 39.1)	2
38.1	NSS	Sealing Ring (Inside)	Ø112 / 138, 5 x 11	2
38.2	NSS	Sealing Ring (Outside)	Ø112 / 138, 5 x 6	2
39.1	4315007500	O-Ring	Ø92 x 4	2
40	3304010201	Hub Cap Incl. O-Ring	S/Z/ZI/BI	2
40.2	3304010301	Wheel Cap Assembly & Hubodometer	S/Z/ZI/BI	2
45	4375100912	Double Hex Bolt	M14	20
NS	3434366300	Accessories Disc Brake	(Incl. Pos. 39.1, 45, grease)	2
NS	5387004203	SAF Lilube Easy Fit	5g	2
56.1	4375100810	Pivot Retaining Bolt	M18 x 1, 5 x 55	2
056	3434366000	Brake Caliper Fixing Bolts Kit	Inc 56, 56.1	2
56	4375100610	Double Hex Bolt	M18 x 1, 5 x 55	6
59	3080005901	Brake Caliper Assembly Left	SBK2243 01	1
60	3080006001	Brake Caliper Assembly Right	SBK2243 01	1
63	NSS	Mounting Plate Kit (Knorr)	22.5" - refer kit 064	2
63.1		Mounting Plate (Wabco)		2
63.2		Guide Pin (Wabco)		2
63.3		Washer (Knorr)		2
63.4		Cotter Pin (Knorr)		2
64.1		Brake Lining		4
64.2		Spring Clamp		4
064	3057008500	Disc Brake Pad Kit	22.5"	1
65	NSS	Adjusting Cap (Knorr)		2
65.1	NSS	Adaptor (Knorr)		2
66	3434381400	Thrust Member	SN/SK, Inc 66.1-66.3	2
66.1	NSS	Thruster With Bellows		4
66.2		Bush (Knorr)		4
66.3		Sealing Ring		4
70.1		Cylinder Screw (Knorr)	M16 x 1,5	2
70.2		Bushing Guide With Guide Bush (Knorr)		2
70.3		Guide Bush (Knorr)		2
70	3434381500	Guide-/Seal Kit	Inc 70, 70.1-70.4, 80.3-80.5, 81-81.3, 83.1	2
77	NSS	Exciter Ring	90 teeth	2

ZI9-22K01 CONTINUED
DUAL WHEELS (SK7)







ZI9-22K01 CONTINUED
DUAL WHEELS (SK7)

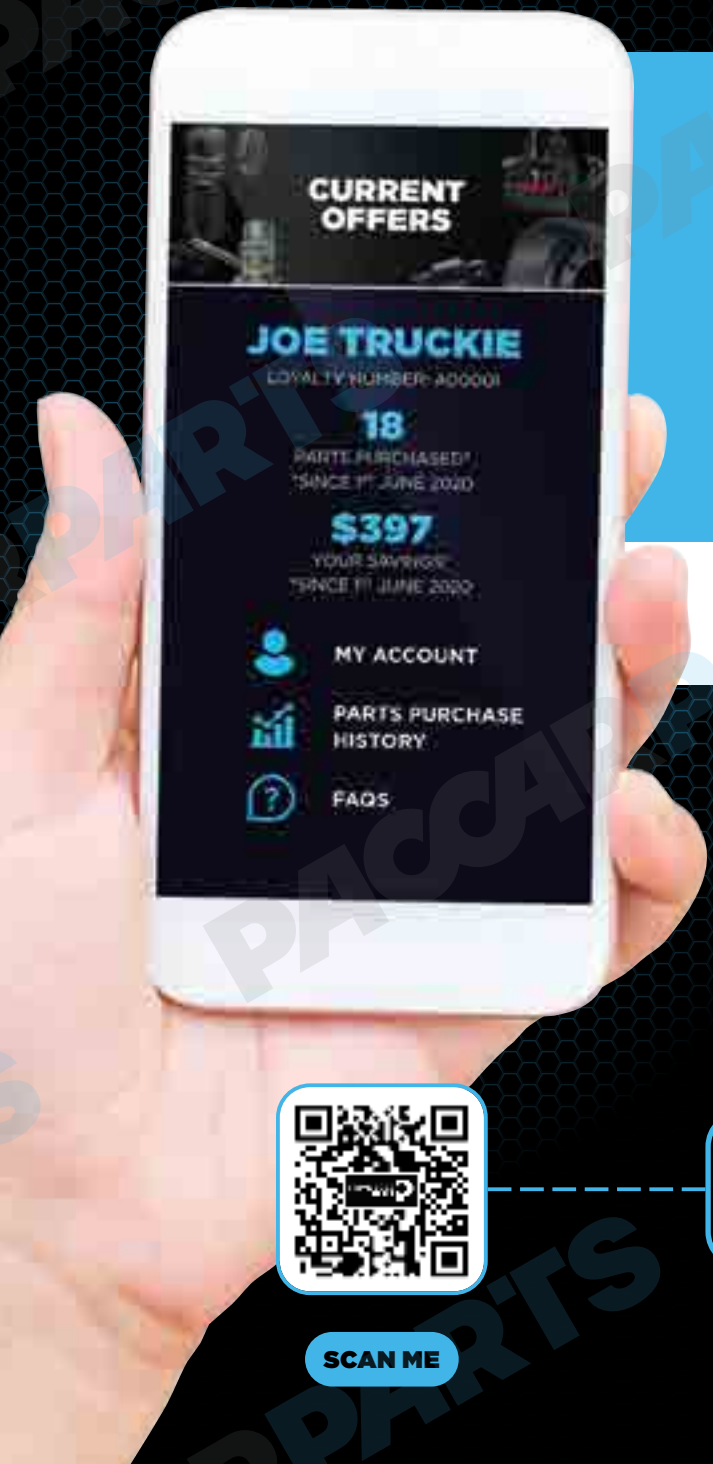
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
78	3029024200	Abs Sensor	Inc 78.1-78.2	2
78.1	4029107000	Sensor		2
78.2	NSS	Locating Sleeve		2
80.3		Brass Bush		2
80.4		Bellow (Knorr)		2
80.5		O-Ring		2
81	NA	Guide-/Seal Kit	Refer Kit no 70	2
81.1	NSS	Cylinder Screw (Knorr)		2
81.2		Bushing Guide (Knorr)		2
83.1		Steel Cap (Knorr)		2

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INTRAAX ID PLATES 212

LOOSE AXLE IDENTIFICATION 214

HUB CAP GUIDE 216

INTRAAX DRUM BRAKE 220
ENCLOSED 'S' CAM

INTRAAX DRUM BRAKE 222
NON ENCLOSED 'S' CAM (EARLY PRE 2000)

DROP AXLE 'S' CAM 224

LOOSE AXLE 226
NON ENCLOSED 'S' CAM - 15" & 16.5" BRAKE

LOOSE AXLE 228
ENCLOSED 'S' CAM - 15" BRAKE

LOOSE AXLE 230
ENCLOSED 'S' CAM - 16.5" BRAKE

Q-BRAKE 232
15" & 16.5" DRUM BRAKE

P-BRAKE 234
16.5" DRUM BRAKE

CONVENTIONAL HP DRUM BRAKE 236
WHEEL END - 22.5"

CONVENTIONAL HN DRUM BRAKE 238
WHEEL END - 22.5"

CONVENTIONAL HN 5 SPOKE SPIDER 240
WHEEL END - 22.5"

PRESET HP DRUM BRAKE 242
WHEEL END - 22.5"

PRESET HN DRUM BRAKE 244
WHEEL END - 19.5" & 22.5"

HXL2 & HXL5 HP DRUM BRAKE 246
WHEEL END – 22.5"

HXL2 & HXL5 HN DRUM BRAKE 248
WHEEL END – 22.5"

HXL7 HP DRUM BRAKE 250
WHEEL END – 22.5"

DISC BRAKE CALIPER & SYSTEM 252
MAXX22T HDT-415mm – 22.5"

DISC BRAKE CALIPER & SYSTEM 254
WABCO HTD-377mm – 19.5"

DISC BRAKE CALIPER & SYSTEM 256
WABCO HTD-430mm – 22.5"

DISC BRAKE CALIPER & SYSTEM 258
KNORR-BREMSE – 22.5"

CONVENTIONAL HN DISC BRAKE 260
WHEEL END – 19.5" & 22.5"

PRESET HN DISC BRAKE 262
WHEEL END – 22.5"

HXL2 & HXL5 HN DISC BRAKE 264
WHEEL END – 19.5" & 22.5"

HXL7 HP DISC BRAKE 266
WHEEL END – 22.5"

HENDRICKSON INTRAAX ID PLATES

AXLE ID PLATE

The axle ID plate is usually located on the inboard side of the left-hand trailing arm.

The axle serial number (e.g. SK1804270628) provides the following details:

MANUFACTURING PLANT IDENTIFIER

The first two digits of the axle serial number identify the manufacturing plant that originally manufactured the HALFTRAAX™ Assembly as follows:

- SK– Somerset Kentucky
- LI – Lebanon Indiana
- CO – Canton Ohio

DATE OF MANUFACTURE

The third to eighth digits of the axle serial number identify the date the HALFTRAAX Assembly was manufactured in date format: Year - Month - Date. For example, the code 180427 shows that it was manufactured on 27 April 2018.

MANUFACTURING SEQUENCE NUMBER

The final four digits (e.g. 0628) of the axle serial number provide the manufacturing sequence number.



MANUFACTURING PLANT	
SK	Somerset Kentucky
LI	Lebanon Indiana
CO	Canton Ohio

MANUFACTURING DATE (SIX DIGITS)	
YYMMDD	Year - Month - Date

MANUFACTURING SEQUENCE (FOUR DIGITS)
####

BEAM PROFILE	
T	Top Mount
L	Low-Ride
LS	Low-Ride Short

AXLE STYLE	
C	Cambered
RC	Raised Center
(blank)	Standard

AXLE TRACK	
71	71.5″
73	73.0″
755	75.5″
77	77.5″
795	79.5″
83	83.5″



DUTY CYCLE	
AA	Standard
AAED	Extreme Duty

PIVOT CONNECTION	
N	Narrow
(blank)	Wide

BRAKE SIZE	
310	430mm ADB
4	430mm ADB
41	415mm MAXX22T ADB
415	415mm MAXX22T ADB
430	430mm ADB
7	16.5″ x 7″
X	16.5″
X5	15″ x 8-⅝″
X7	16.5″ x 7″ HXS
X8	16.5″ x 8-⅝″ HXS

SUSPENSION CAPACITY	
20K	20,000lbs
23K	23,000lbs
25K	25,000lbs
30K	30,000lbs

AXLE DIAMETER	
S	5.00″
L	LDA (5.75″)

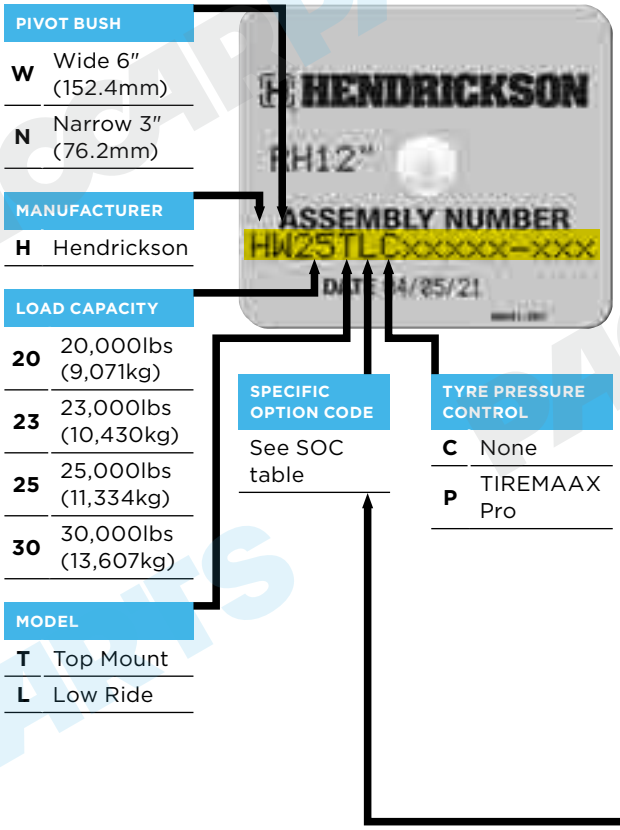
SPINDLE	
N	HN
P	HP

AXLE WALL	
ST	Standard
HD	Heavy Duty

HENDRICKSON INTRAAX ID PLATES

INTRAAX SUSPENSION ASSEMBLY NUMBER

The first six digits of the assembly part number identify the suspension system base model, while the remaining digits identify specific options such as wheel end and brake system configuration.



SOC	TRACK	BRAKES	SPINDLE	AXLE	SUSPENSION
E	73"	16.5" Drum	HP	5"	EDT300, EDL300 (Extreme Duty)
F	73"	15" Drum	HN	5"	AANT230, AANLS200 (NZ only)
K	73"	16.5" Drum	HN	LDA	AAT230, AAT250, AAL230, AANT230, AANL230
L	73"	16.5" Drum	HP	LDA	AAT250, AAL250, AANT230, AANL230
M	73"	377/430 Disc	HN	LDA	AAT230, AAT250, AANT230, AAL230
N	83.5"	16.5" Drum	HN	LDA	AAT230, AAT250
P	77.5"	16.5" Drum	HN	LDA	AAT230, AAT250, AAL250
Q	71.5"	16.5" Drum	HN	LDA	AAT250, AAL230
R	71.5"	430 Disc	HN	LDA	AAT230
S	71.5"	16.5" Drum	HP	LDA	AAT250
T	83.5"	16.5" Drum	HP	LDA	AAT250, AAL250
U	73"	15" Drum	HN	5"	AAL230
V	73"	415 Disc	HP	LDA	AAT250, AAL250, AANT230, AANL230
W	73"	377 Disc	HN	LDA	AANL230 (ZMD only)
X	83.5"	430 Disc	HP	LDA	AANT230
Y	79.5"	16.5" Drum	HP	LDA	AAT250, AAL250

HENDRICKSON LOOSE AXLE IDENTIFICATION

To assist with the identification of a TRLAXLE® or Drop Axle (Pusher) loose axle assembly and determine the associated components, reference should be made to the axle identification and assembly number plates, which are located on the outside edges of the brake chamber brackets.

AXLE ID PLATE

The axle ID plate provides the following information:

- Model
- Axle Serial Number
- Customer Part Number (If Shown)
- Description (If Shown)

NOTE: The axle description as outlined here is only applicable to the base axle assembly as shipped to Australia and does not include wheel-end and brake options that are assembled onto the axle in Australia. More details may be obtained if the axle has an Australian assembly plate.

MODEL

The model is the part number allocated to specific loose axle assemblies.

AXLE SERIAL NUMBER

The serial number is composed of three sets of information.

The first two letters show the manufacturing plant:

- CO – Canton, Ohio
- JN – Jinan, Shandong
- LI – Lebanon, Indiana
- SK – Somerset, Kentucky

The last four digits show the serial production number.

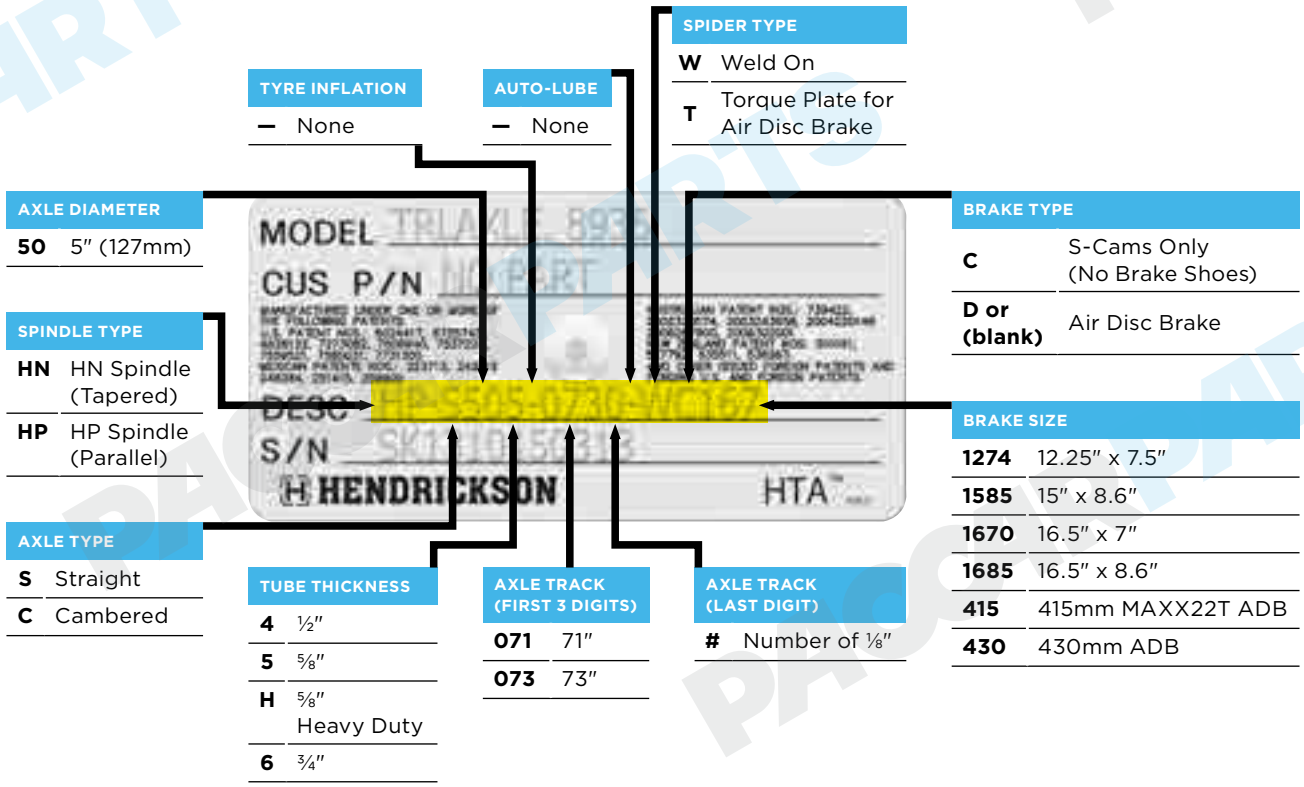
The remaining (centre) five or six digits show the date code, with the first two digits denoting the year.

If it is a five-digit date code, then the remaining three digits denote the Julian day of the year (Ordinal date). For example, 18187 shows that the axle was built on the 187th day of 2018 (or 6 July).

If it is a six-digit date code, then the remaining four digits denote the month and date. For example, 131015 shows that the axle was built on 15 October 2013.

CUSTOMER PART NUMBER

This is section is not normally used and will usually read NO PART or be blank.



HENDRICKSON LOOSE AXLE IDENTIFICATION

SUSPENSION ASSEMBLY NUMBER PLATE

If fitted, the suspension assembly number plate will be located on an axle booster bracket. It indicates that the suspension has been assembled in Australia and provides the following:

- Assembly Part Number
- Date of Assembly

ASSEMBLY PART NUMBER

The axle assembly number (e.g. P22TX603L-65712) can be used to determine the assembly build details for axles as outlined in the following tables. The last five digits of the assembly part number describe various brake and hub options. Note: In some cases, the number pattern may not match that outlined here.

SPINDLE TYPE	
D22	HN Spindle (Tapered)
P22	HP Spindle (Parallel)

AXLE WALL THICKNESS & S-CAMS	
4	½″ (14mm) Wall (suits Spring Suspension)
6	⅝″ Wall - Long Enclosed Cams 16.5″ Brakes
7	¾″ Wall - Non-Enclosed Cams
8	⅝″ Wall - Non-Enclosed 12.25″ Brakes
9	⅝″ Wall - Non-Enclosed Cams
D	⅝″ Wall Disc Knorr-Bremse Caliper 22.5″ Wheel
E	⅝″ Wall Disc WABCO Caliper 22.5″ Wheel
F	⅝″ Wall Disc WABCO Caliper 19.5″ Wheel
G	⅝″ Wall Disc MAXX22T Caliper 22.5″ Wheel

AXLE TRACK & BRAKES		
71.5″	**73″**	**TRACK**
E	**J**	12.25 x 7.5
F	**K**	15 x 8.6
G	**L**	16.5 x 7
H	**M**	No Brakes
W	**X**	16.5 x 8.6
Y	**Z**	16.5 x 7 (P-Type)
	2	MAXX22T

P22	TX	6	0	3	L	–	6	5	7	1	2

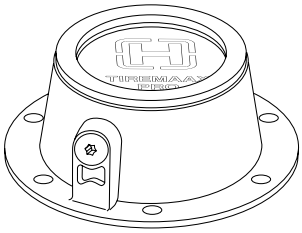
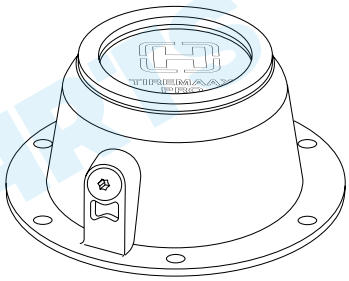
AXLE TYPE	
AX or TX	Straight Tube
AU or TU	Bent Tube

AXLE CONFIGURATION	
0	5″ (127mm) Round Axle Cam Rear
1	5″ (127mm) Round Axle Cam Front
C	Cambered 5″ (127mm)
D	Cambered 5″ (127mm) Round Cam Front
E	Cambered 5″ (127mm) Round Cam Rear

WHEEL END CONFIGURATION	
1	With no spiders, brakes, hubs & drums
2	With spuders & cam, no brakes, hubs & drums
3	With brakes, hubs & drums/rotors
4	With no brakes hubs & drums
5	With brakes, no hubs or drums
6	With brakes, hubs & drums, oil

AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

TIREMAAX HUBCAPS

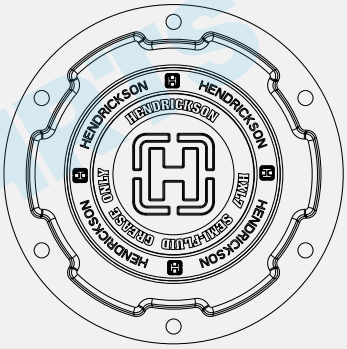
ITEM NO.		PART NO.	SPINDLE	BEARING	DESCRIPTION	NOTES
	1	97453-008		Conventional	TIREMAAX Hubcap Decal	
		97453-009		PreSet		
		97453-015		HXL2		
		97453-011		HXL5		
		97453-010		HXL7		
	2	C-32055-4	HN		TIREMAAX Hubcap	Single Wheel, without Decal
		VS-32055-3			Kit, TIREMAAX Hubcap	Dual Wheel without Decal Includes Gasket & Bolts
		C-32055-3			TIREMAAX Hubcap	Dual Wheel, without Decal
		C-32056-4	HP			Single Wheel, without Decal
		C-32056-3				Dual Wheel, without Decal

HUBCAPS DECALS

ITEM NO.		PART NO.	BEARING	DESCRIPTION	NOTES
	3	97453-004	HXL7	Hubcap Decal	Without TIREMAAX
		97453-012	HXL5		
		97453-014	HXL2		
		97453-006	PreSet		
		97453-007	Conventional		

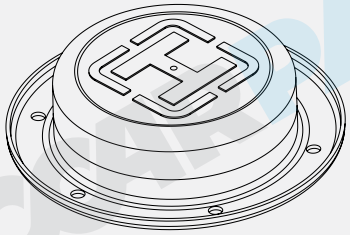
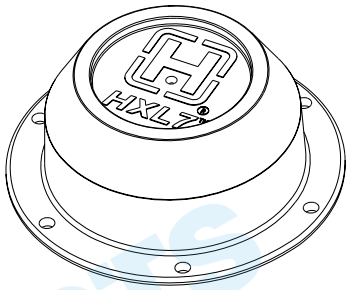
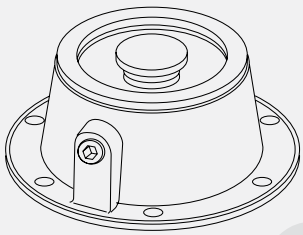
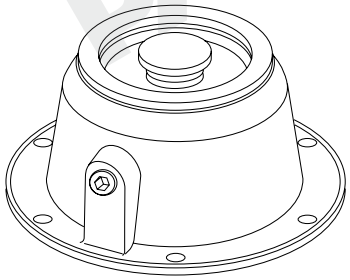
AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

HUBCAPS

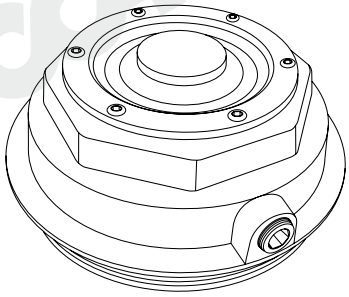
ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION
 	4	98846-036P	HP	HXL7		HXL7 Standard Hubcap
		98846-037P			X	HXL7 Chrome Hubcap
		98846-061P		HXL5		HXL5 HP Standard Hubcap
		98846-062P			X	HXL5 HP Chrome Hubcap
		98846-063P	HN			HXL5 HN Standard Hubcap
		98846-064P			X	HXL5 HN Chrome Hubcap
		98846-059P	HP	HXL2		HXL2 HP Standard Hubcap
		98846-060P			X	HXL2 HP Chrome Hubcap
		98846-057P	HN			HXL2 HN Standard Hubcap
		98846-058P			X	HXL2 HN Chrome Hubcap
		98846-038P	HP	PreSet		PreSet HP Standard Hubcap
		98846-039P			X	PreSet HP Chrome Hubcap
		98846-044P	HN			PreSet HN Standard Hubcap
		98846-040P	HP	Conventional		Conventional HP Standard Hubcap
		98846-041P			X	Conventional HP Chrome Hubcap
		98846-046P	HN			Conventional HN Standard Hubcap
		98846-047P			X	Conventional HN Chrome Hubcap

AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

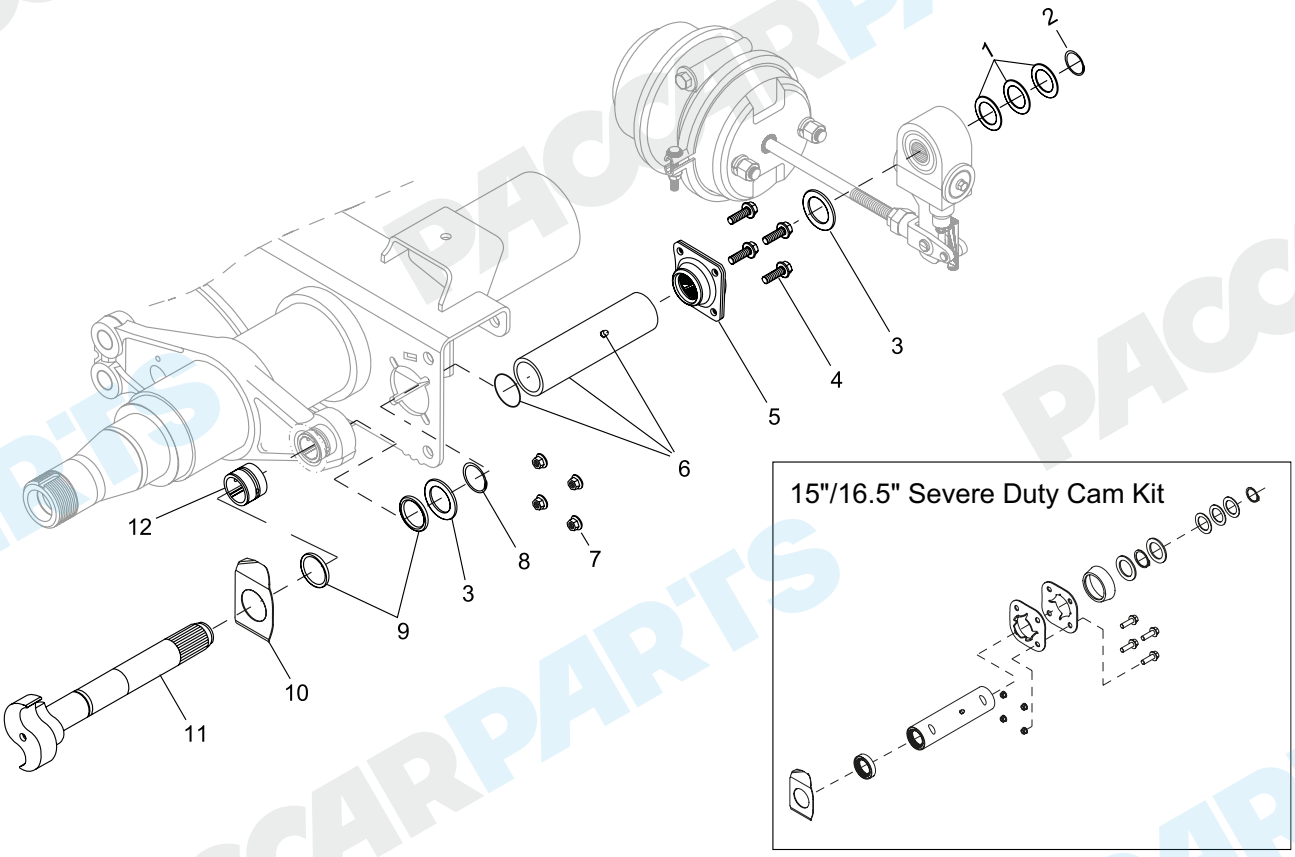
HUBCAPS

ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION	NOTES
	5	S-32629-1	HP	Any		Pressed Steel HP Hubcap	Global Product
	6	C-34434	HP	HXL7		Cast Aluminium HP Hubcap	Global Product
	7	98796-002	HN	Oil		Stemco Oil Fill HN Hubcap	
	8	98920-002	HP	Oil		Stemco Oil Fill HP Hubcap	

AXLE IDENTIFICATION
HENDRICKSON HUB CAP GUIDE

TOOWOOMBA SCREW-ON HUBCAPS				
ITEM NO.		PART NO.	DESCRIPTION	NOTES
	9	98846-005	Screw-on Hubcap to Suit Toowoomba Hub	Includes Window & O-Ring Seal, Item 10
	10	98920-001	Window to Suit Toowoomba Screw-on Hubcap	With O-Ring Seal & Gasket, Part of Item 9

INTRAAX DRUM BRAKE
ENCLOSED 'S' CAM



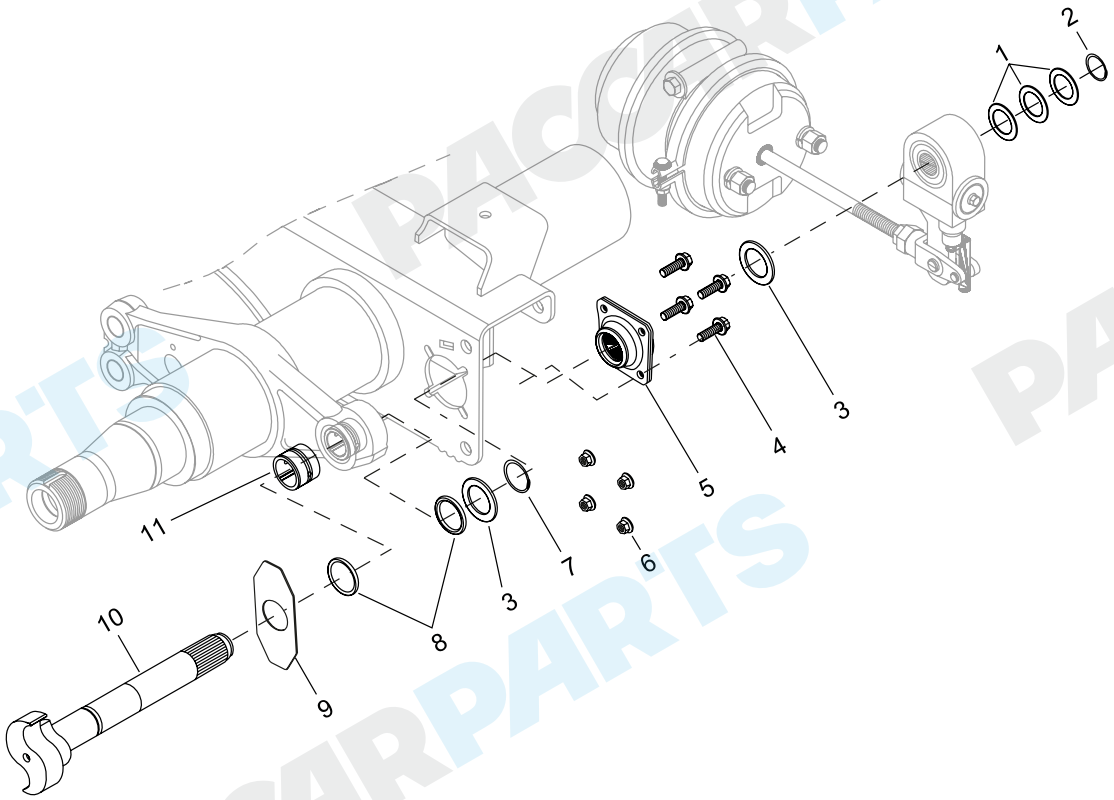
INTRAAX DRUM BRAKE
ENCLOSED 'S' CAM

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	A-20812	Washer, Outer – Slack Adjuster		6
2	A-20811	Ring, Retaining – Slack Adjuster		2
3	A-31650	Washer, Inner - 'S' Cam Shaft		4
4	SA-6900-5	Screw, Flanged – ⅜" x 1.25"		8
5	S-25440	Support Bushing Assembly, 'S' Cam		2
6	98933-011	Kit, 'S' Cam Tube	Includes Grease Nipple & Seals	2
7	SA-7000-3	Nut, Prevailing Torque – ⅜"		8
8	A-20808	Ring, Retaining – 'S' Cam Shaft		2
9	A-20807	Seal, Brake Spider – 'S' Cam Journal	*Suits 1-⅞" Journal	4
10	C-32017	Washer, 'S' Cam – Under Head		2
11	S-24636-1L	'S' Cam, Brake – LH - HXS	16.5" Brake with HXS 'S' Cam profile	1
	S-24636-1R	'S' Cam, Brake – RH - HXS		1
	S-25024-1L	'S' Cam, Brake – LH - HXS	15" Brake with HXS 'S' Cam profile	1
	S-25024-1R	'S' Cam, Brake – RH - HXS		1
12	S-20823	Bush, Brake Spider – 'S' Cam Journal	*Suits 1-⅞" Journal	2

KIT PART NUMBER LISTING				
Severe Duty Kit	S-31706	Kit, Cam Tube	15" Severe Duty	2
	98881-026	'S' Cam & Tube Kit	15" Severe Duty - Cam + Tube Includes 98881-027(LH) & 98881-028(RH)	1
	S-31703	Kit, 'S' Cam Tube	16.5" Severe Duty	2
	98881-025	'S' Cam & Tube Kit	16.5" Severe Duty - Cam + Tube Includes 98881-023(LH) & 98881-024(RH)	1

*Note: Enclosed 'S' Cam system is only suitable for INTRAAX® axles with 1-⅞" journal and is not available for INTRAAX axles with 2" journals

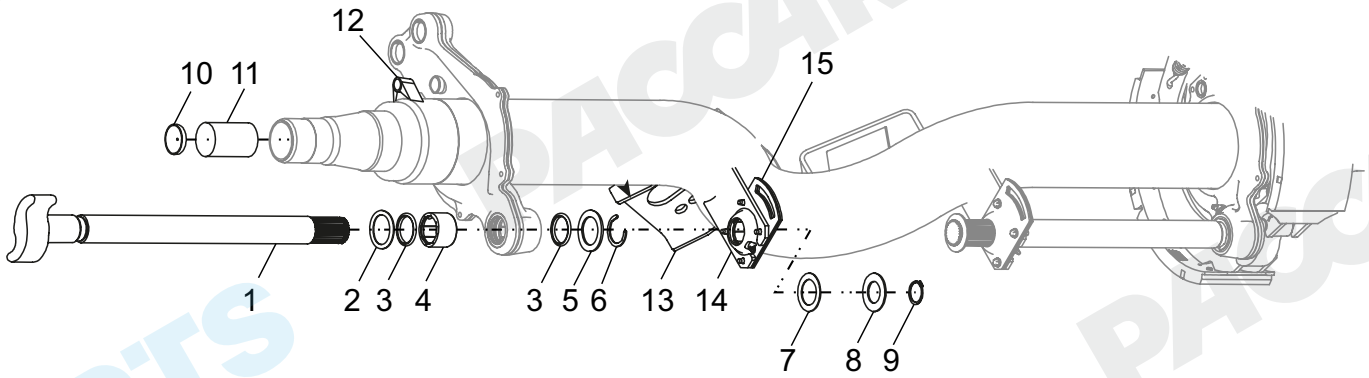
INTRAAX DRUM BRAKE
NON ENCLOSED 'S' CAM (EARLY PRE 2000)

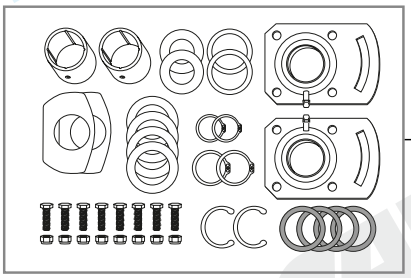


INTRAAX DRUM BRAKE
NON ENCLOSED 'S' CAM (EARLY PRE 2000)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	A-20812	Washer, Outer – Slack Adjuster		6
2	A-20811	Ring, Retaining – Slack Adjuster		2
3	A-31650	Washer, Inner - 'S' Cam Shaft		4
4	SA-6900-5	Screw, Flanged – ⅜" x 1.25"		8
5	S-25440	Support Bushing Assembly, 'S' Cam		2
6	SA-7000-3	Nut, Prevailing Torque – ⅜"		8
7	A-20808	Ring, Retaining – 'S' Cam Shaft		2
8	A-20807	Seal, Brake Spider – 'S' Cam Journal	Suits 1-⅞" Journal	4
	S-22885	Seal, Brake Spider – 'S' Cam Journal	Suits 2" Journal	4
9	C-32017	Washer, 'S' Cam – Under Head		2
10	S-24636-1L	'S' Cam, Brake – LH - HXS	16.5" Brake with HXS 'S' Cam profile	1
	S-24636-1R	'S' Cam, Brake – RH - HXS		1
	S-25024-1L	'S' Cam, Brake – LH - HXS	15" Brake with HXS 'S' Cam profile	1
	S-25024-1R	'S' Cam, Brake – RH - HXS		1
11	S-20823	Bush, Brake Spider – 'S' Cam Journal	Suits 1-⅞" Journal	2
	S-22898		Suits 2" Journal	2

DROP AXLE 'S' CAM





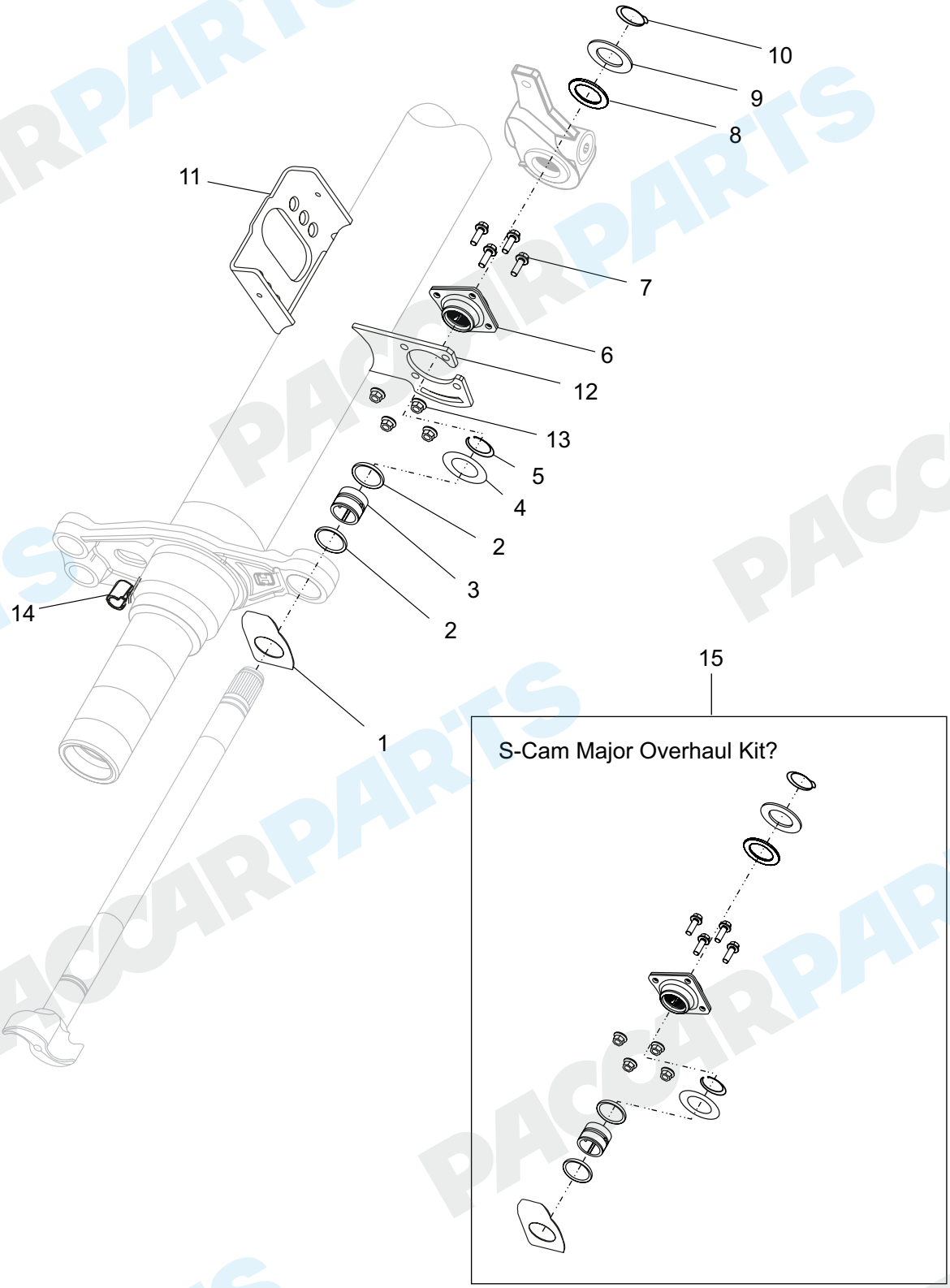
DROP AXLE 'S' CAM

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	S-30594-11L	S' Cam, Drum Brake - LH	28 Spline	1
	S-30594-11R	S' Cam, Drum Brake - RH		1
2	NSS	Washer, 'S' Cam Head	Contained in item 16	2
3		Seal – 'S' Cam		4
4		Bush, Spider – 'S' Cam		2
5		Washer, 'S' Cam		2
6		Ring, Lock – 'S' Cam		2
7		Washer, Slack Adjuster – Inner		2
8		Shim, Slack Adjuster		2
9		Retaining Ring – Slack Adjuster		2
10	NA	Plug, End – Spindle		2
11	S-24217	Filter – Axle		2
12	C-29819	Bracket, ABS Sensor – Pressed Steel		2
	S-27117	Bracket, ABS Sensor – Cast Iron		2
13	NA	Bracket, Mounting - Brake Chamber		2
14	NA	Bracket, Mounting – 'S' Cam, LH		1
		Bracket, Mounting – 'S' Cam, RH		1
15	NSS	Bearing Support Assembly	Contained in Item 16	2

KIT PART NUMBER LISTING				
16	002573	Kit, 'S' Cam Bush	Includes items 2, 3, 4, 5, 6, 7, 8, 9 & 15 Contains Retaining Ring & Washer Variations	1

Note: Enclosed 'S' Cam not available with drop axle

LOOSE AXLE
NON ENCLOSED 'S' CAM - 15" & 16.5" BRAKE

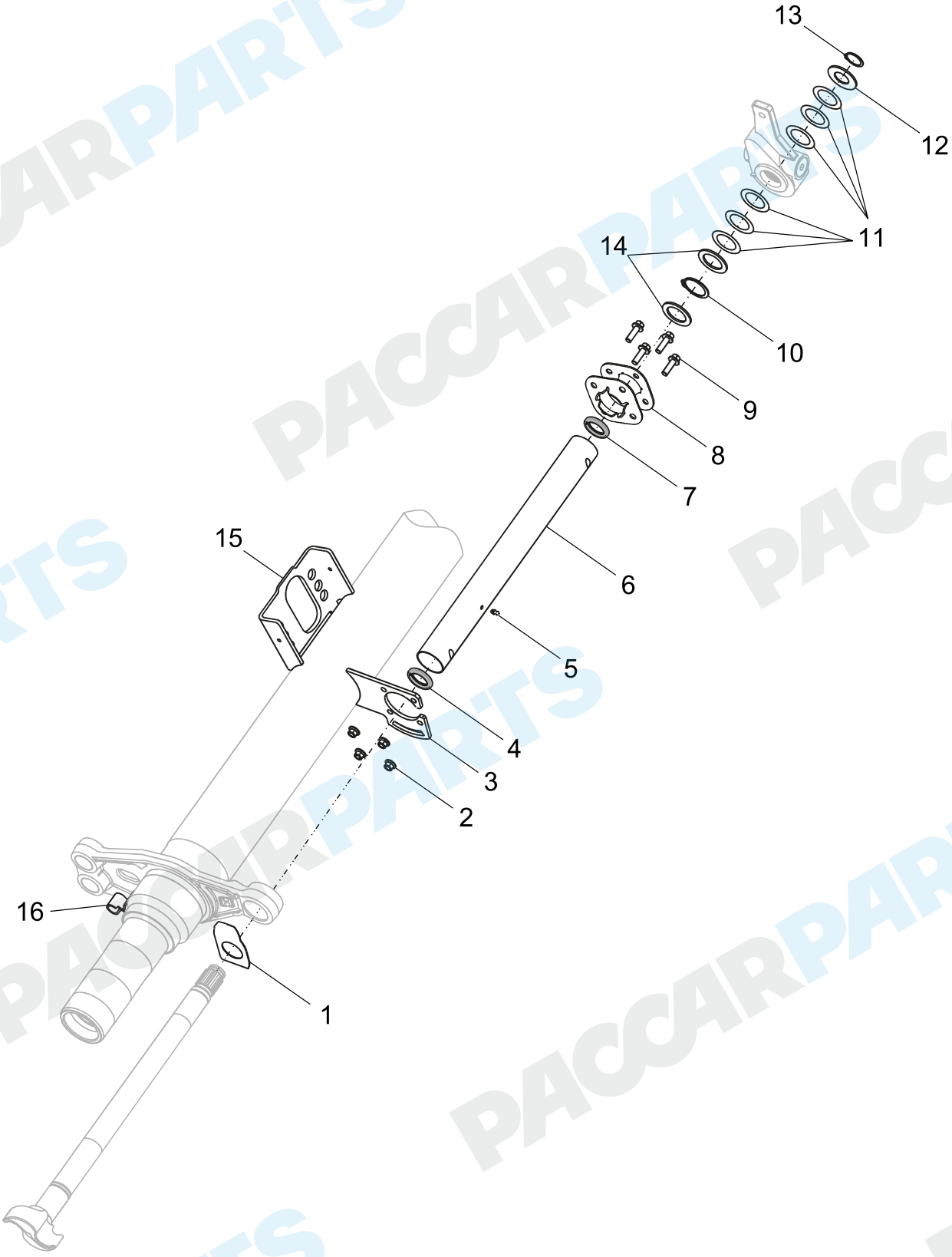


LOOSE AXLE
NON ENCLOSED 'S' CAM - 15" & 16.5" BRAKE

ITEM NO.	PART NO.	DESCRIPTION	APPLICATION	COMMENT	QTY/ AXLE
1	NSS	Washer, 'S' Cam – Outer		Contained in item 15	2
2	B-30593	Seal, 'S' Cam Spider Bush			4
3	NSS	Bush, 'S' Cam Spider			2
4		Washer, Hardened	10 Spline 'S' Cam		2
5		Snap Ring – 'S' Cam, 1.625 "			2
6		Bearing Assy – 'S' Cam, 1.625 "			2
7		Bolt, Flange – 5/16 - 18 x 1 "			8
8		Shim, 'S' Cam – 1.5 x 2.25 x 0.06"			12
9		Washer, Hardened – 1.531 x 2.25 x 0.09"	10 Spline 'S' Cam		2
		Washer, Hardened – 1.28 x 2.25 x 0.09"	28 Spline 'S' Cam		2
10		Retaining Ring, Spline	10 Spline 'S' Cam		2
			28 Spline 'S' Cam		2
11	NA	Bracket, Brake Chamber – Six Hole	Replaces four hole bracket		2
12		Bracket, 'S' Cam	16.5" Brake		2
			15" Brake		2
13	NSS	Nut, Flanged – 5/16 - 18		Contained in item 15	8
14	S-27117	Bracket, ABS Sensor – Cast Iron			2
	C-29819	Bracket, ABS Sensor – Pressed Steel			2
KIT PART NUMBER LISTING					
15	S-31964	'S' Cam Major Overhaul Kit*	Services 1 Axle	Includes items 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 & 13	1

* The 'S' Cam major overhaul kit is applicable for both 10 and 28 spline 'S' Cams.
A conversion kit PN 98111-140 is available to convert 16.5" brakes to enclosed 'S' Cams

LOOSE AXLE
ENCLOSED 'S' CAM - 15" BRAKE

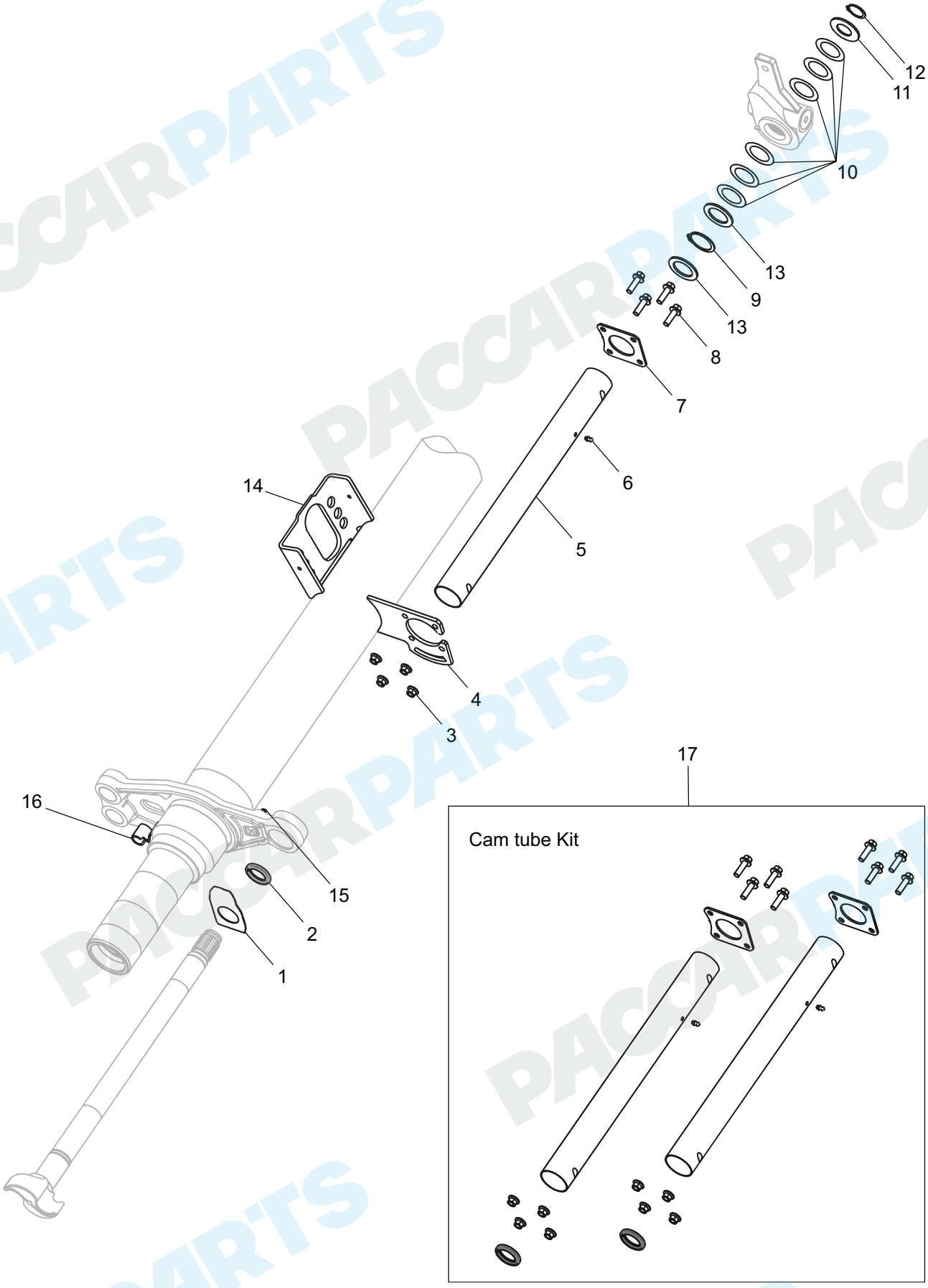


LOOSE AXLE
ENCLOSED 'S' CAM - 15" BRAKE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	C-31197	Washer, 'S' Cam Head		2
2	SA-7000-3	Nut, Flange – ⅜" - 16		8
3	NA	Bracket, 'S' Cam	15" Brake	2
4	B-30593	Seal – Cam Spider	Contained in item 6	2
5	98884-002	Nipple, Grease – Cam Tube	Contained in item 6	2
6	C-31607-14	Tube Assy, 'S' Cam	Includes Bushes, Seals & Grease Nipple Items 4, 5 & 7	2
7	B-29332	Seal – Tube	Contained in item 6	2
8	S-28547	Bracket, Retaining – Cam Tube		2
9	SA-6900-5	Bolt, Flange – ⅜" - 16 x 1"		8
10	A-20808	Retaining Ring – 'S' Cam Tube		2
11	A-31636	Shim, 'S' Cam Spline – 1.5 x 2.25 x 0.06"		12
12	A-31635	Washer, 'S' Cam Spline – 1.28 x 2.25 x 0.09"		2
13	A-20811	Retaining Ring – 'S' Cam Spline		2
14	A-31650	Washer, 'S' Cam Journal – 1.5 x 2.25 x 0.12"		4
15	NA	Bracket, Brake Chamber – Six Hole	Replaces four hole bracket	2
16	S-27117	Bracket, ABS Sensor – Cast Iron		2
	C-29819	Bracket, ABS Sensor – Pressed Steel		2

Note: Enclosed 'S' Cam is only available with 23-¾"(Long type) 28 spline 'S' Cam TRLAXLE

LOOSE AXLE
ENCLOSED 'S' CAM - 16.5" BRAKE

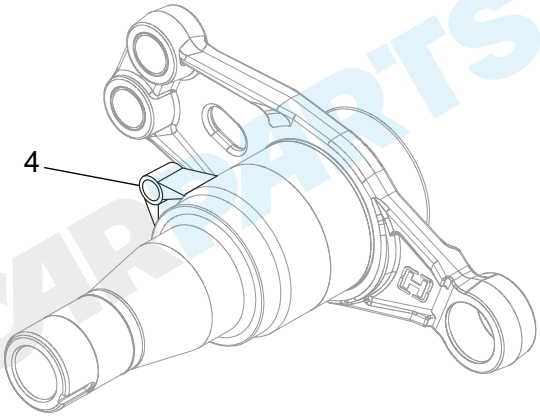


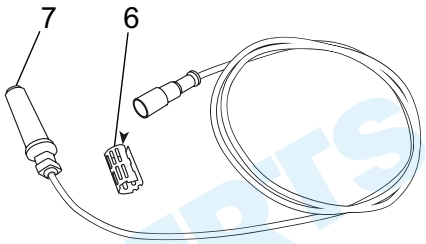
LOOSE AXLE
ENCLOSED 'S' CAM - 16.5" BRAKE

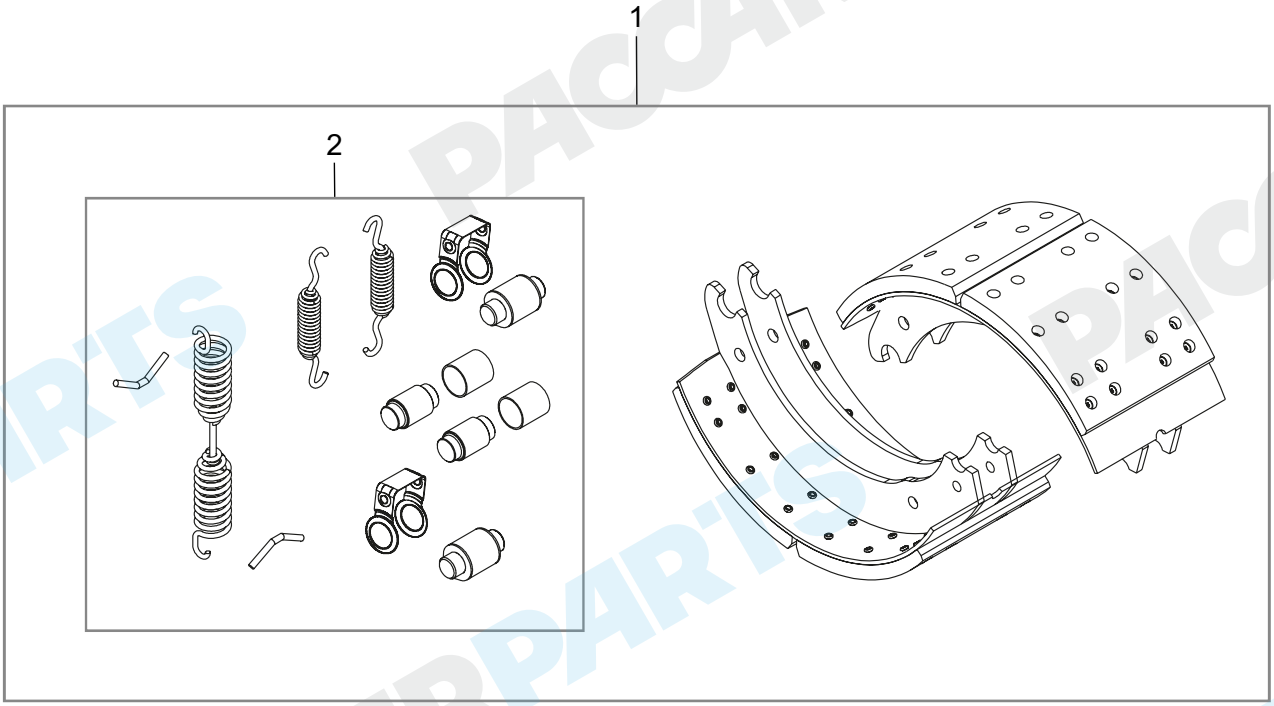
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	C-31197	Washer, 'S' Cam Head		2
2	NSS	Seal – 'S' Cam	Contained in item 17	2
3	NSS	Nut, Flange – 5/16" - 18	Contained in item 17	8
4	NA	Bracket, 'S' Cam	16.5 " Brake	2
5	NSS	Tube Assy, 'S' Cam	Contained in item 17	2
6	98884-002	Nipple, Grease – Cam Tube		2
7	NSS	Bracket, Retaining – Cam Tube		2
8	NSS	Bolt, Flange – 5/16" - 18 x 1"		8
9	A-20808	Retaining Ring – 'S' Cam Tube		2
10	A-31636	Shim, 'S' Cam Spline – 1.5 x 2.25 x 0.06"		6
11	A-31635	Washer, 'S' Cam Spline – 1.28 x 2.25 x 0.09"		2
12	A-20811	Retaining Ring – 'S' Cam Spline		2
13	A-31650	Washer, 'S' Cam Journal – 1.5 x 2.25 x 0.12"		4
14	NA	Bracket, Brake Chamber – Six Hole	Replaces four hole bracket	2
15	NA	Nipple, Grease – 45° Brake Spider		2
16	C-29819	Bracket, ABS Sensor – Pressed Steel		2
	S-27117	Bracket, ABS Sensor – Cast Iron		2
KIT PART NUMBER LISTING				
17	98111-140	Cam Tube Kit*	Includes items 2, 3, 5, 6, 7 & 8 Services 1 Axle	1

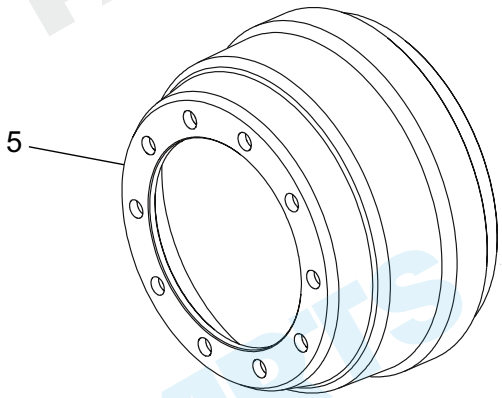
* This kit can be used when converting non-enclosed cam axles to fully enclosed. It may also be used if two new cam tubes are required.

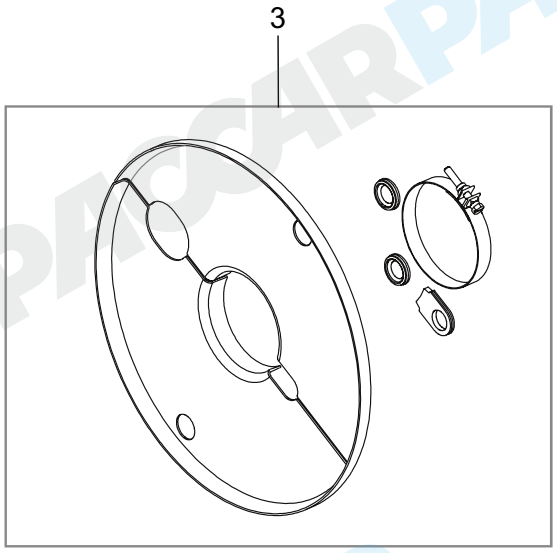
Q-BRAKE
15" & 16.5" DRUM BRAKE







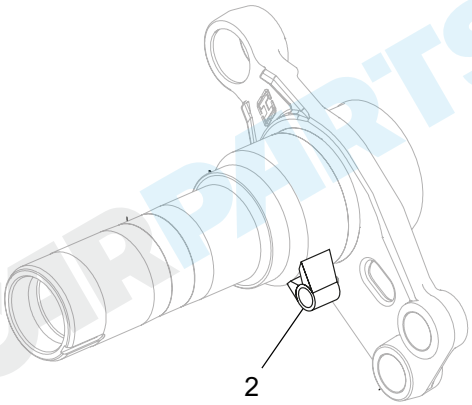


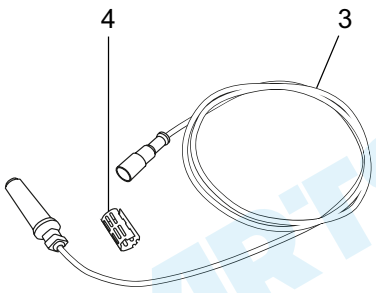


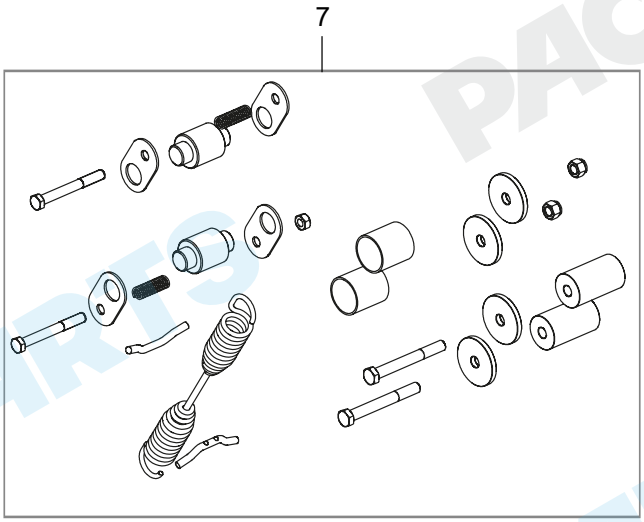
Q-BRAKE
15" & 16.5" DRUM BRAKE

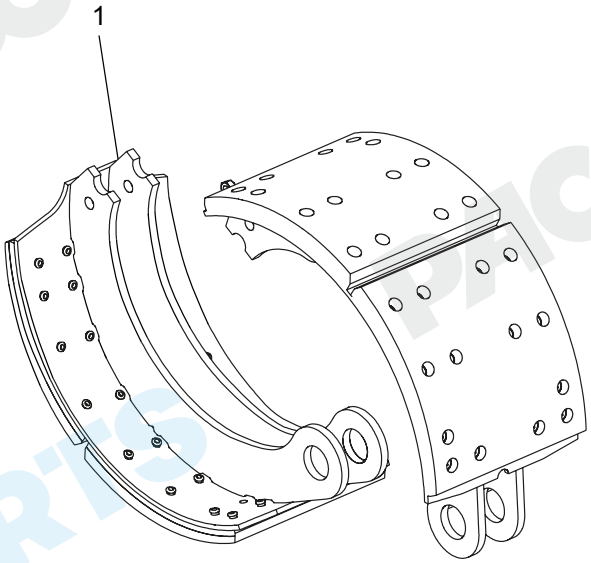
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	98881-042	Brake Overhaul Kit, 16.5" x 8-⅝" – HXS	Includes Brake Hardware – item 2	2
	S-21184-1	Brake Overhaul Kit, 16.5" x 7" – Standard		2
	S-23753-1	Brake Overhaul Kit, 16.5" x 7" – HXS		2
	S-27783-1	Brake Overhaul Kit, 15" x 8-⅝" – HXS		2
2	98881-043	Kit, Brake Hardware – 16.5" x 8-⅝"	Includes Springs, Rollers, Bushes, Pins & Clips. Included in item 1	2
	S-23752	Kit, Brake Hardware – 15" & 16.5"		2
3	S-28500-1550	15" Brake Dust Shield Kit 5" Axle	Includes Dust Shield, Clamp, Grommet & Inspection Plugs	2
	S-28500-1650	16.5" Brake Dust Shield Kit 5" Axle		2
	S-28500-1657	16.5" Brake Dust Shield Kit 5.75" Axle		2
4	S-27117	Bracket, ABS Sensor Mounting – 5" Axle	Suits 127 mm (5") Axle	2
	S-28757	Bracket, ABS Sensor Mounting – 5.75" Axle	Suits 146 mm (5.75") Axle	2
5	600026	Brake Drum, 16.5" x 8-⅝" – 10 Stud 285 PCD	CentriFuse, Hendrickson Light weight PN E39848	2
	MW89996B	Brake Drum, 16.5" x 7" – 10 Stud 285 PCD	CentriFuse, Hendrickson Light weight PN E38176	2
	S-27826	Brake Drum, 15" x 8-⅝" – 8 Stud 275 PCD	CentriFuse	2
	C-30652	Brake Drum, 16.5" x 8-⅝" – 10 Stud 335 PCD	Cast	2
	98815-025	Brake Drum, 16.5" x 8-⅝" – 10 Stud 285 PCD		2
	C-31699	Brake Drum, 16.5" x 7" – 10 Stud 335 PCD		2
	D-30114	Brake Drum, 16.5" x 7" – 10 Stud 285 PCD		2
	NSS	Brake Drum, 16.5" x 7" – 5 Spoke	Drum only. Included in 98792-013	2
	98792-013	Hub & Drum Assembly, 16.5" x 7" – 5 Spoke	HN Hub & Drum Assembly	2
6	99008-001	Clip, ABS Sensor Retainer		2
7	98831-001	Sensor, Straight ABS with 1.7m Lead		2

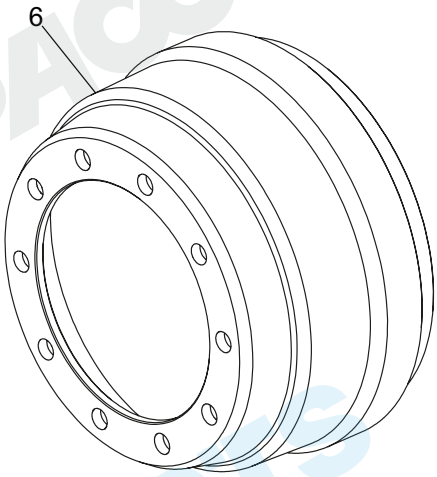
P-BRAKE
16.5" DRUM BRAKE

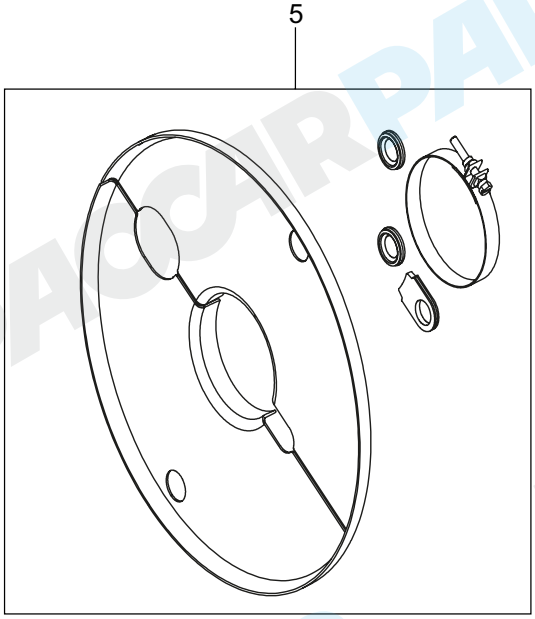








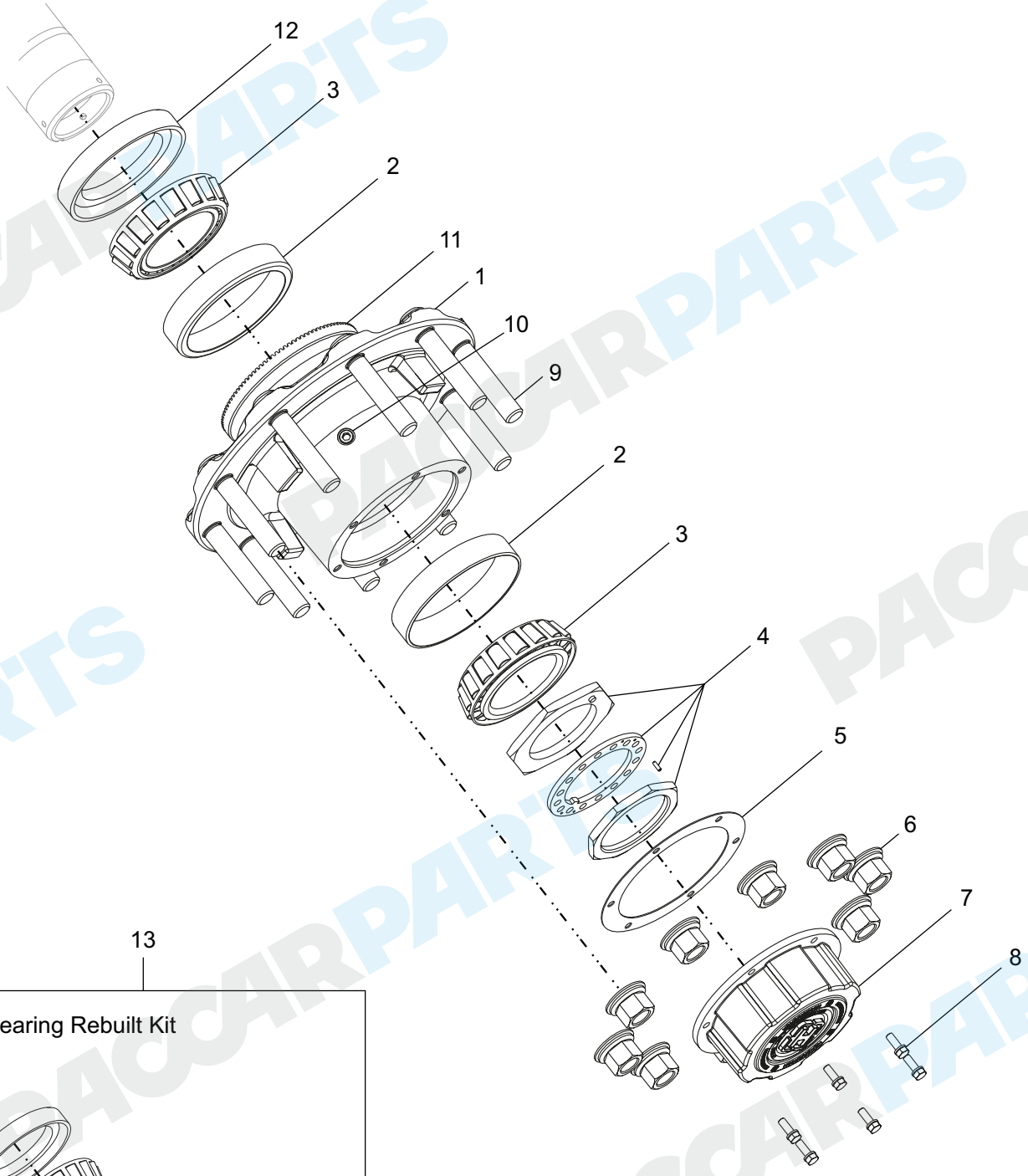


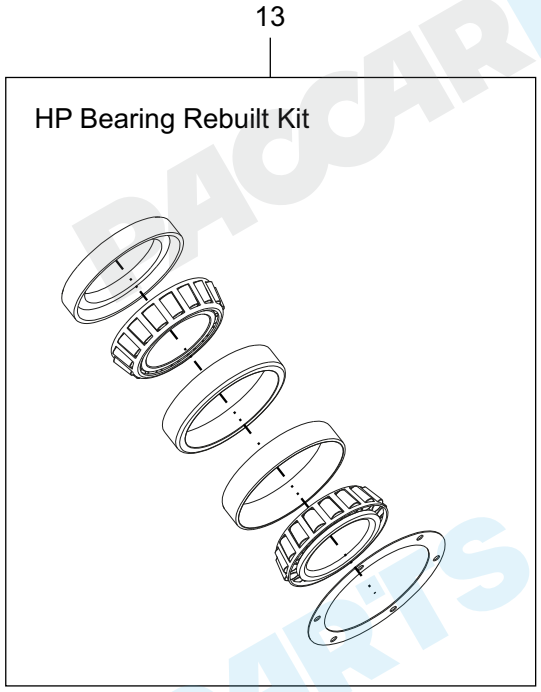


P-BRAKE
16.5" DRUM BRAKE

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	98881-007	Brake Shoe, P-Type – 16.5" x 7" HXS – MB21 Lining	Shoe Assembly only, Brake Hardware sold separately – item 7	4
	98881-029	Brake Shoe, P-Type – 16.5" x 7" HXS – H20 Lining		4
2	S-27117	Bracket, ABS Sensor Mounting – 5" Axle	Suits 127 mm (5") Axle	2
	S-28757	Bracket, ABS Sensor Mounting – 5.75" Axle	Suits 146 mm (5.75") Axle	2
3	98831-001	Sensor, Straight ABS with 1.7m lead		2
4	99008-001	Clip, Retaining – ABS Sensor		2
5	S-28500-1650	Kit, Dust Shield – 16.5" x 5" Axle	Includes Dust Shield, Clamp, Grommet & Inspection Plugs	2
	S-28500-1657	Kit, Dust Shield – 16.5" x 5.75" Axle		2
6	MW89996B	Brake Drum, 16.5" x 7" – 10 Stud 285 PCD	CentriFuse	2
	D-30114		Cast	2
	C-31699	Brake Drum, 16.5" x 7" – 10 Stud 335 PCD		2
KIT PART NUMBER LISTING				
7	98881-039	Kit, Brake Hardware	Includes Springs, Pins, Rollers, Bushes, Bolts, Nuts, Washers, Plates & Spacers	2

CONVENTIONAL HP DRUM BRAKE
WHEEL END - 22.5"

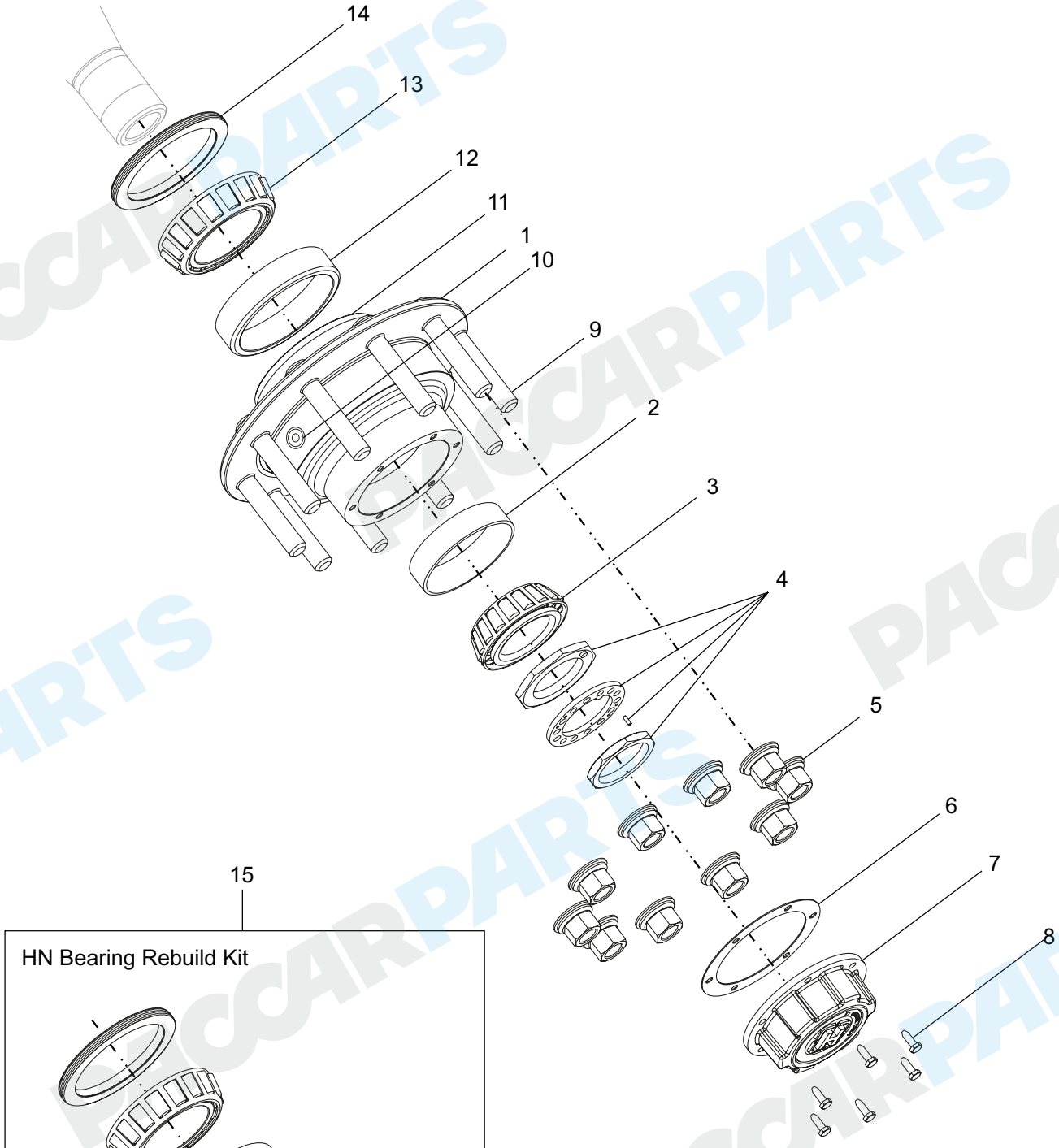




CONVENTIONAL HP DRUM BRAKE
WHEEL END - 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	C-31905-6	Hub Assembly – ADI, 10 Stud 285 PCD	Includes items 2, 9, 10 & 11	2
	C-34758-4	Hub Assembly – Iron, 10 Stud 335 PCD		2
2	NSS	Bearing Cup	Included in item 1 & 13	2
3	NSS	Bearing Cone	Included in item 13	2
4	S-20475	Spindle Nut Kit – HP	Services a complete axle. Includes 2 each of Nuts, Washer & Set Screw	2
5	A-32097	Gasket, Hubcap	Included in item 13	2
6	A-24695	Nut Wheel – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
7	RPS	Hub Cap	Refer to Hendrickson Hub Cap Guide	2
8	98879-004	Bolt & Washer, Hubcap – 5⁄16″ UNC x 7⁄8″	Suits 285 PCD Hub includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt Together	12
	SA-1600-7	Washer, Lock – 5⁄16″		12
9	98900-024	Stud, Wheel – M22 x 1.5 x 105 mm	Suits 285 PCD ADI Hub included in item 1	20
	98900-019	Stud, Wheel – M22 x 1.5 x 122 mm	Suits 335 PCD Iron Hub included in item 1	20
10	98934-065	Filler Plug – 9⁄16″ - 18 UNF, 285 PCD	Included in item 1	2
	NA	Filler Plug – 3⁄8″ - 18 NPT, 335 PCD		2
11	98814-020	Pulse Ring, ABS – 285 PCD	Suits 285 PCD ADI Hub included in item 1	2
	98814-009	Pulse Ring, ABS – 335 PCD	Suits 335 PCD iron Hub included in item 1	2
12	98794-002	Seal, Spindle Mounted – Standard Fitment	Special tool required included in item 13	2
	A-27268	Seal, Hub Mounted – Alternative Option	Special tool required	2
KIT PART NUMBER LISTING				
13	98800-011	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 2, 3, 5 & 12	2

CONVENTIONAL HN DRUM BRAKE
WHEEL END - 22.5"

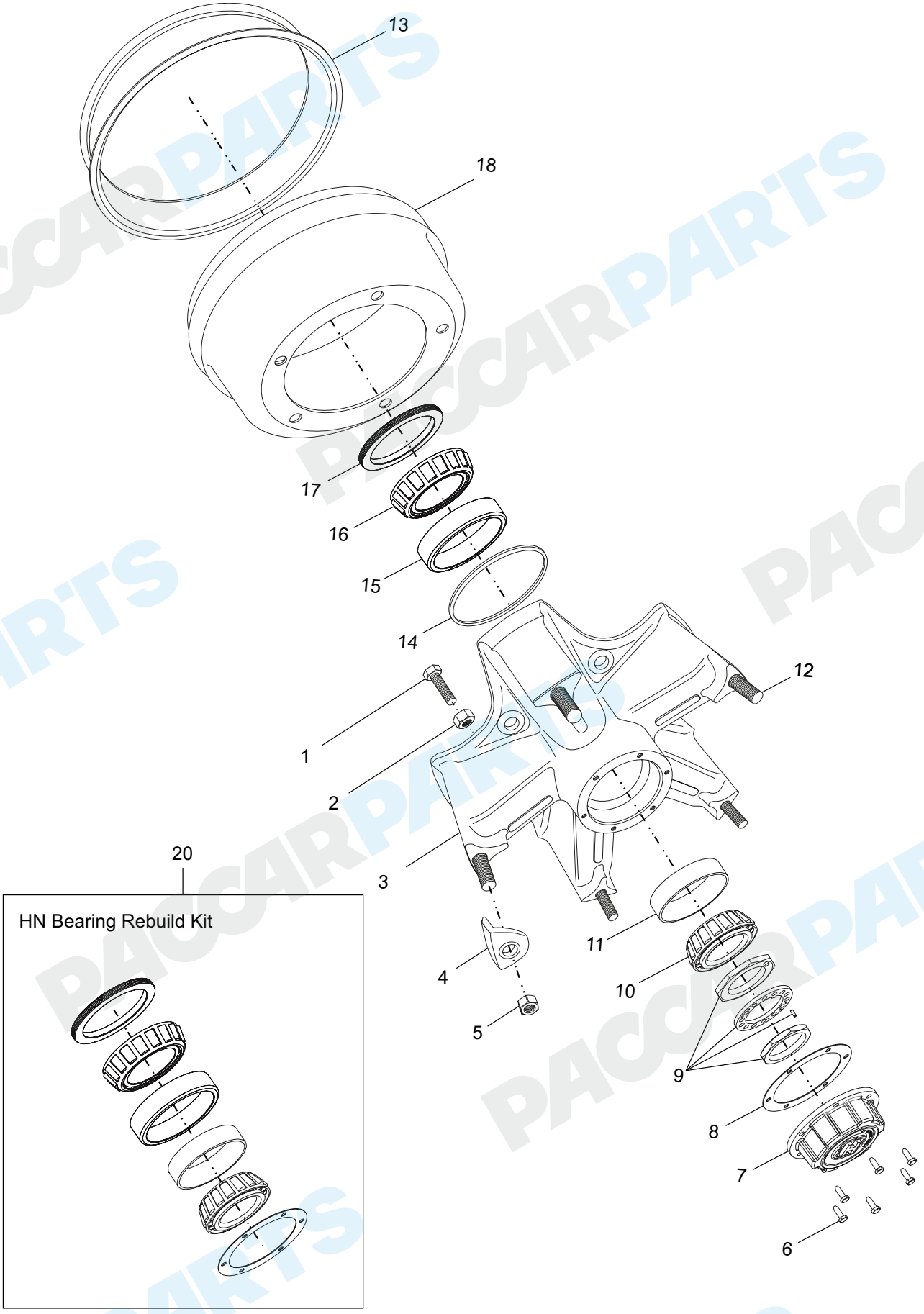


CONVENTIONAL HN DRUM BRAKE
WHEEL END - 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	C-31906-6	Hub Assembly – ADI, 10 Stud 285 PCD	Includes items 2, 9, 10, 11 & 12	2
	D-33466-4	Hub Assembly – Ductile Iron, 10 Stud 335 PCD		2
2	NSS	Bearing Cup, Outer	Included in item 1 & 15	2
3	NSS	Bearing Cone, Outer	Included in item 15	2
4	A-20492	Spindle Nut Kit – HN	Services a complete axle Includes 2 each of Nuts, Washer & Set Screw	2
5	A-24695	Nut Wheel, Standard – M22 x 1.5	Without spacer. Part of item 1	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With spacer. Part of item 1	20
6	A-32098	Gasket, Hubcap	Included in item 15	2
7	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
8	98879-004	Bolt & Washer, Hubcap – 5/16″ UNC x 7/8″	Suits 285 PCD Hub. Includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, lock – 5/16″		12
9	98900-019	Stud, Wheel – M22 x 1.5 x 122 mm	Suits 335 PCD Iron Hub. Included in item 1	20
	98900-024	Stud, Wheel – M22 x 1.5 x 105 mm	Suits 285 PCD ADI Hub. Included in item 1	20
10	98934-065	Filler Plug – 9/16″ - 18 UNF, 285 PCD	Included in item 1	2
	NA	Filler Plug – 3/8″ - 18 NPT, 335 PCD		2
11	98814-020	Pulse Ring, ABS – 285 PCD	Suits 285 PCD ADI Hub. Included in item 1	2
	98814-009	Pulse Ring, ABS – 335 PCD	Suits 335 PCD Iron Hub. Included in item 1	2
12	NSS	Bearing Cup, Inner	Included in item 15	2
13	NSS	Bearing Cone, Inner		2
14	98794-012	Seal, Spindle Mounted – Standard Fitment		2
	S-27267	Seal, Hub Mounted – Alternative Option	Special tool required	2
	98794-006		Hand installed	2
KIT PART NUMBER LISTING				
15	98800-010	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 2, 3, 6, 12, 13 & 14	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

CONVENTIONAL HN 5 SPOKE SPIDER
WHEEL END - 22.5"

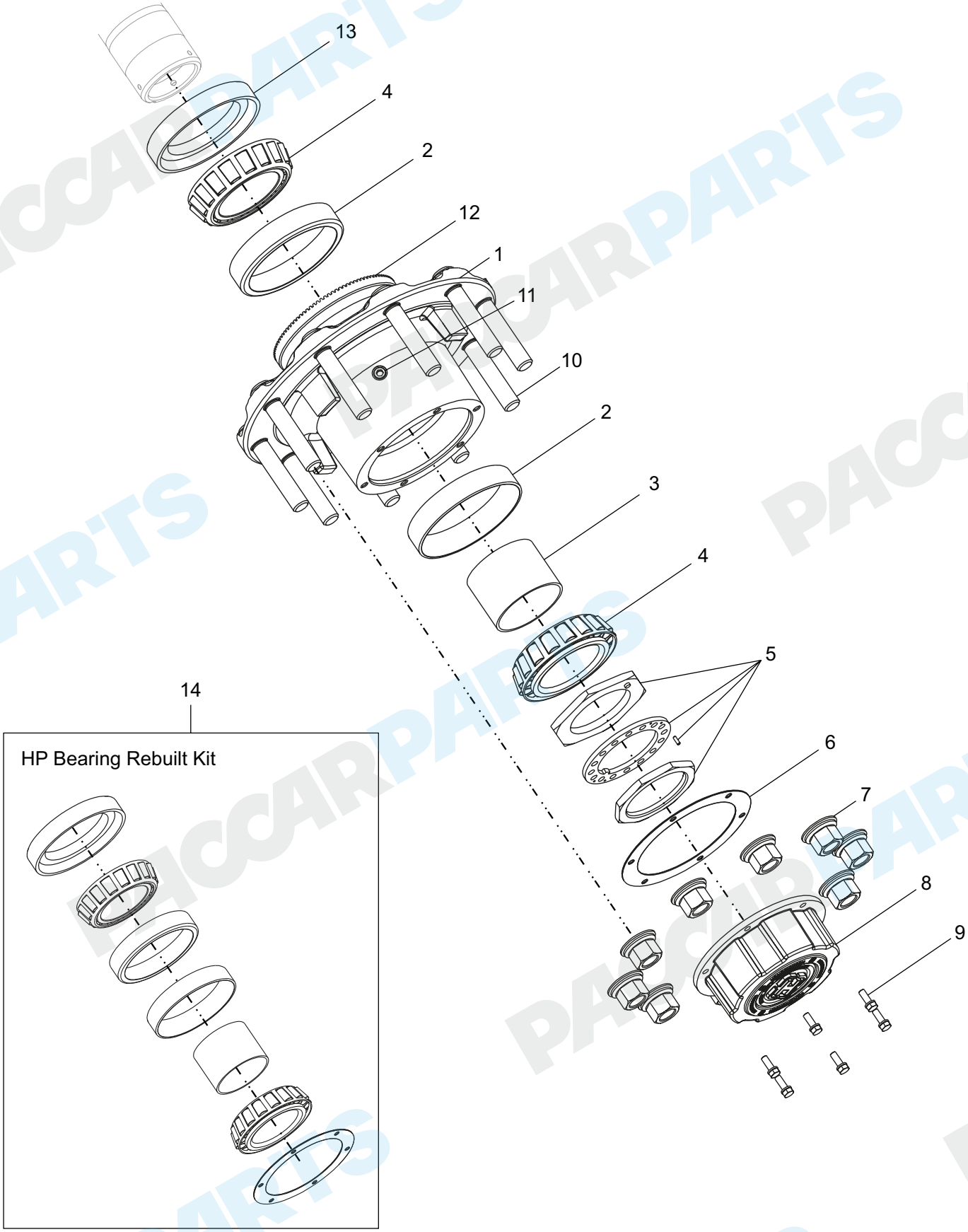


CONVENTIONAL HN 5 SPOKE SPIDER
WHEEL END - 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Bolt, Drum to Hub – ¾″ - 16 UNF	Included in item 19	10
2		Nut, Drum to Hub – ¾″ - 16 UNF		10
3		Hub, 5 Spoke – Iron, 16.5″ x 7″		2
4		Clamp, Wheel Rim		10
5		Nut, Wheel Rim – ¾″ - 10 UNC		10
6	98879-004	Bolt, Hubcap – 5⁄16″ UNC x ⅞″	Includes Washer	12
7	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
8	A-32098	Gasket, Hubcap	Included in item 20	2
9	A-20492	Spindle Nut Kit – HN	Includes 2 each Nuts, Washers & Set Screws to suit 2 Wheel Ends	2
10	NSS	Bearing Cone, Outer	Included in item 20	2
11		Bearing Cup, Outer	Included in item 20. Also included in item 19	2
12		Stud, Wheel Rim – ¾″ - 10 UNC x 3″	Included in item 19	10
13		Spacer, Wheel Rim – 20″ x 4″		2
14	98814-009	ABS Tone Ring, 100 Tooth		2
15	NSS	Bearing Cup, Inner	Included in item 20. Also included in item 19	2
16	NSS	Bearing Cone, Inner	Included in item 20	2
17	98794-012	Seal, Spindle Mounted – Standard Fitment	Special tool required. Included in item 20	2
	S-27267	Seal, Hub Mounted – Alternative Option	Special tool required	2
	98794-006		Hand installed	2
18	NA	Brake Drum	Use Item 19	2
19	98792-013	Hub & Drum Assembly, 5 Spoke – Iron, 16.5″ x 7″	Includes Drum, Hub & Hardware – items 1, 2, 3, 4, 5, 11, 12, 13, 14, 15 & 18	2
KIT PART NUMBER LISTING				
20	98800-010	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 8, 10, 11, 15, 16 & 17	1

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

PRESET HP DRUM BRAKE
WHEEL END - 22.5"



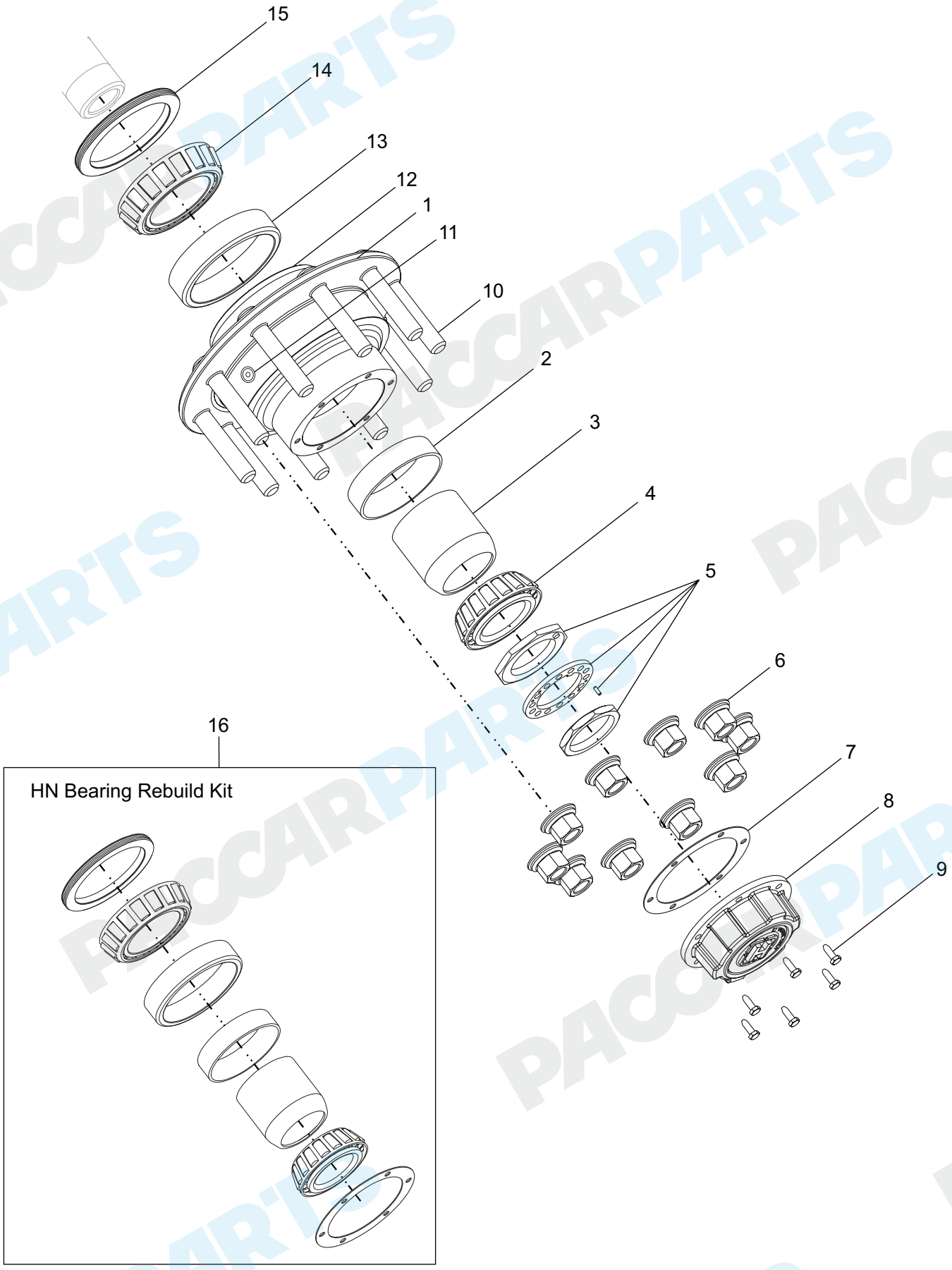
PRESET HP DRUM BRAKE
WHEEL END - 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in complete Hub Kit – item 16	2
2		Bearing Cup	Included in item 14 & 16	2
3		PreSet Spacer*	Included in item 14, 15 & 16	2
4		Bearing Cone	Included in item 14 & 16	2
5	S-20475	Spindle Nut Kit – HP	Services a complete axle. Includes 2 each of Nuts, Washer & Set Screw	2
6	A-32097	Gasket, Hubcap	Included in items 14 & 16	2
7	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
8	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
9	98879-004	Bolt, Hubcap – 5⁄16″ UNC x 7⁄8″	Includes Washer	12
10	98900-021	Stud, Wheel – M22 x 1.5 x 135 mm	Included in item 16	20
11	98934-065	Filler Plug – 9⁄16″ - 18 UNF		2
12	98814-003	Pulse Ring, ABS		2
13	A-27268	Seal, Hub Mounted*	Included in items 15 & 16	2

KIT PART NUMBER LISTING				
14	97098-003	Bearing Rebuild Kit with Bearings, Spacer & Seal	Includes Bearings, Spacer, Gasket & Seal – items 2, 3, 4, 6 & 13	2
15(NS)	97097-031	Spacer & Seal Kit, HP PreSet	Includes Spacer & Seal – items 3 & 13	2
16(NS)	98818-057	Hub Kit – Aluminium, 10 Stud 285 PCD	Includes Hub, Bearings, Spacer & Seal – items 1, 2, 3, 4, 10, 11, 12 & 13	2

* Please change the PreSet bearing spacer when replacing the hub seal

PRESET HN DRUM BRAKE
WHEEL END - 19.5" & 22.5"



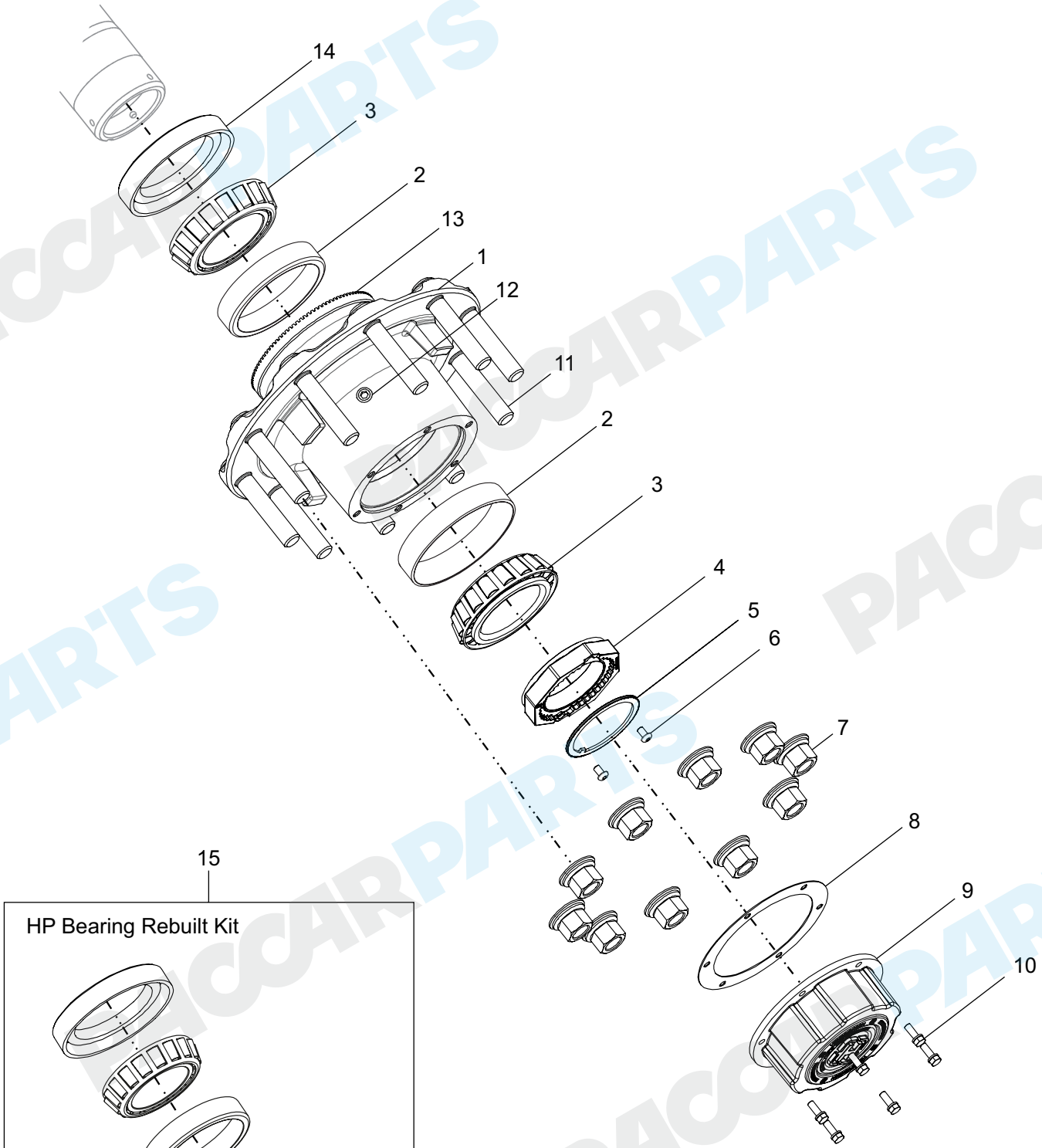
PRESET HN DRUM BRAKE
WHEEL END - 19.5" & 22.5"

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in Hub replacement kit – item 18	2
2		Bearing Cup, Outer	Included in item 16 & 18	2
3		PreSet HN Spacer*	Included in item 16, 17, 18	2
4		Bearing Cone, Outer	Included in item 16 & 18	2
5	A-20492	Spindle Nut Kit – HN	Services a complete axle Includes 2 each of Nuts, Washer & Wet Screw	2
6	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
7	A-32098	Gasket, Hubcap		2
8	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
9	98879-004	Bolt & Washer, Hubcap – 5/16" UNC x 7/8"	Suits 275 & 285 PCD Hub Includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, Lock – 5/16"		12
10	98900-002	Stud, Wheel – M22 x 1.5 x 125 mm	Included in item 18	20
11	98934-065	Filler Plug – 9/16" - 18 UNF	Included in item 18	2
12	98814-003	Pulse Ring, ABS	Suits 275 & 285 PCD Hub included in item 18	2
	98814-002		Suits 335 PCD Hub included in item 18	2
13	NSS	Bearing Cup, Inner	Included in item 16. Also included in item 18	2
14	NSS	Bearing Cone, Inner	Included in item 16. Also included in item 18	2
15	S-27267	Seal, Hub Mounted – Standard fitment*	Included in items 17 & 18	2
	98794-006	Seal, Hub Mounted	For hand installation	2

KIT PART NUMBER LISTING				
16	97098-002	Bearing Rebuild Kit	Includes Bearings, Spacer, Gasket & Seal – items 2, 3, 4, 7, 13, 14 & 15	2
17(NS)	97097-030	Seal & Spacer Kit	Includes Seal & Spacer – items 3 & 15	2
18(NS)	98818-055	Hub Replacement Kit – Aluminium, 8 Stud 275 PCD	Hub kit includes Hub, Bearings, Spacer & Seal – items 1, 2, 3, 4, 10, 11, 12, 13, 14 & 15	2
	98818-056	Hub Replacement Kit – Aluminium, 10 Stud 285 PCD		2
	98818-058	Hub Replacement Kit – Aluminium, 10 Stud 335 PCD		2

* Please change the PreSet bearing spacer when replacing the hub seal

HXL2 & HXL5 HP DRUM BRAKE
WHEEL END – 22.5"

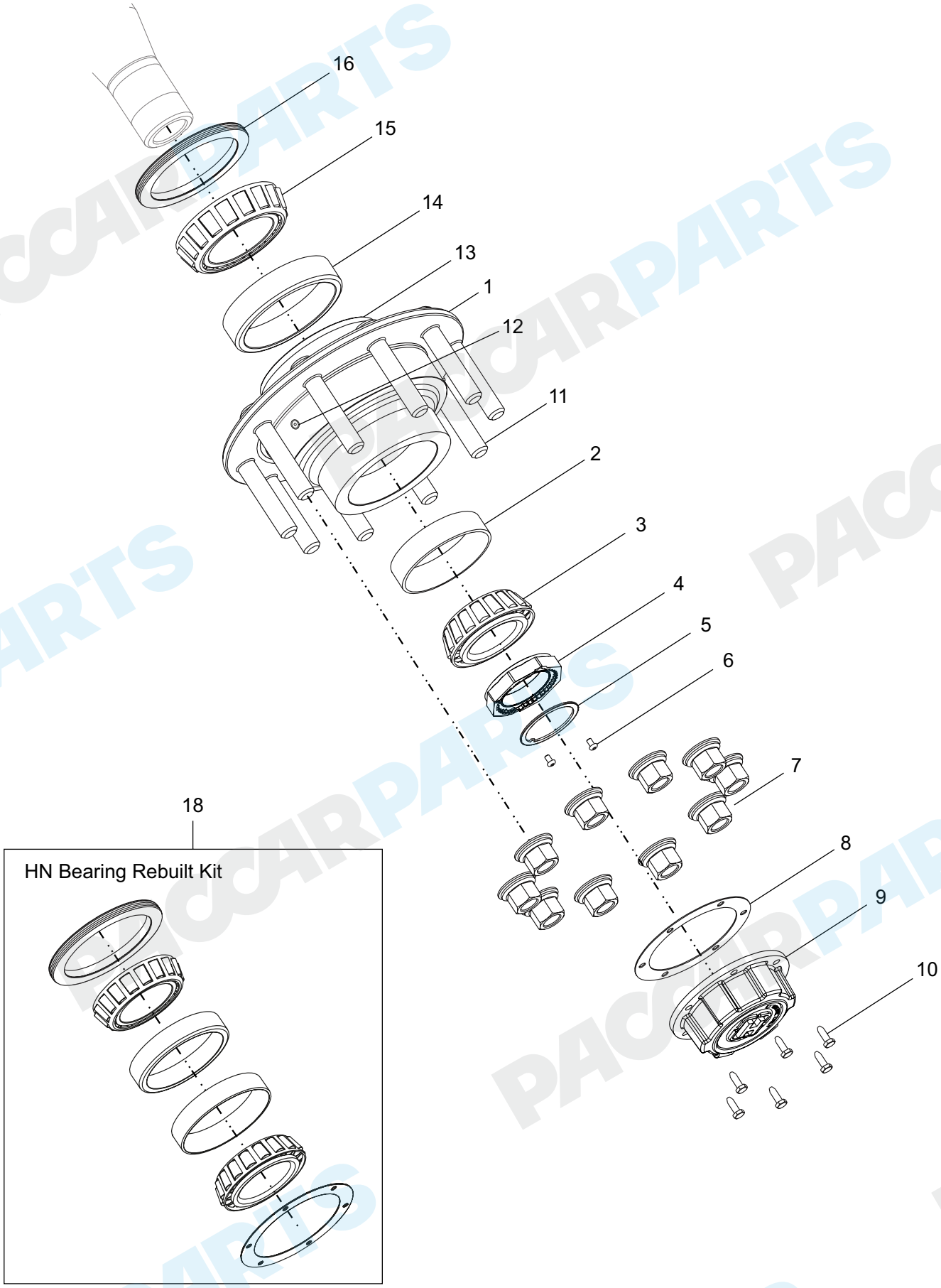


HXL2 & HXL5 HP DRUM BRAKE
WHEEL END – 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in complete hub kit – item 17	2
2		Bearing Cup	Included in item 15 & 17	4
3		Bearing Cone	Included in item 15 & 17	4
4		Spindle Nut – PRECISION320	Included in item 16 & 17	2
5		Washer, Interlock – PRECISION320		2
6	SA-14400-1	Cap Screw, Button Head		4
7	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
8	A-32097	Gasket, Hubcap	Included in items 15 & 17	2
9	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
10	98879-004	Bolt & Washer, Hubcap – 5⁄16″ UNC x 7⁄8″	Suits 285 PCD Hub Includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, lock – 5⁄16″		12
11	98900-024	Stud – ADI Hub M22 x 1.5 x 105 mm	Included in item 17	20
	98900-019	Stud – Ductile Iron Hub M22 x 1.5 x 122 mm		20
12	98934-065	Filler Plug – 9⁄16″ - 18 UNF, ADI Hub		2
	NA	Filler Plug – 3⁄8″ - 18 NPT, Ductile Iron Hub		2
13	98814-020	Pulse Ring, ABS – ADI 285 PCD Hub		2
	98814-009	Pulse Ring, ABS – Ductile Iron 335 PCD Hub		2
14	A-27268	Seal, Hub Mounted	Included in items 15 & 17. Special tool required	2

KIT PART NUMBER LISTING				
15	98801-067	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 2, 3, 8 & 14	2
16(NS)	S-32844/2	Spindle Nut Kit	Includes Nut, Washer & Cap Screws – items 4, 5 & 6	2
17(NS)	98818-059	Hub Replacement Kit – ADI, 10 Stud 285 PCD	Kit includes Hub, Bearings, Hub Nut, Gasket & Seal – items 1, 2, 3, 4, 5, 6, 8, 11, 12, 13 & 14	2
	98818-060	Hub Replacement Kit – Ductile Iron, 10 Stud 335 PCD		2

HXL2 & HXL5 HN DRUM BRAKE
WHEEL END – 22.5"

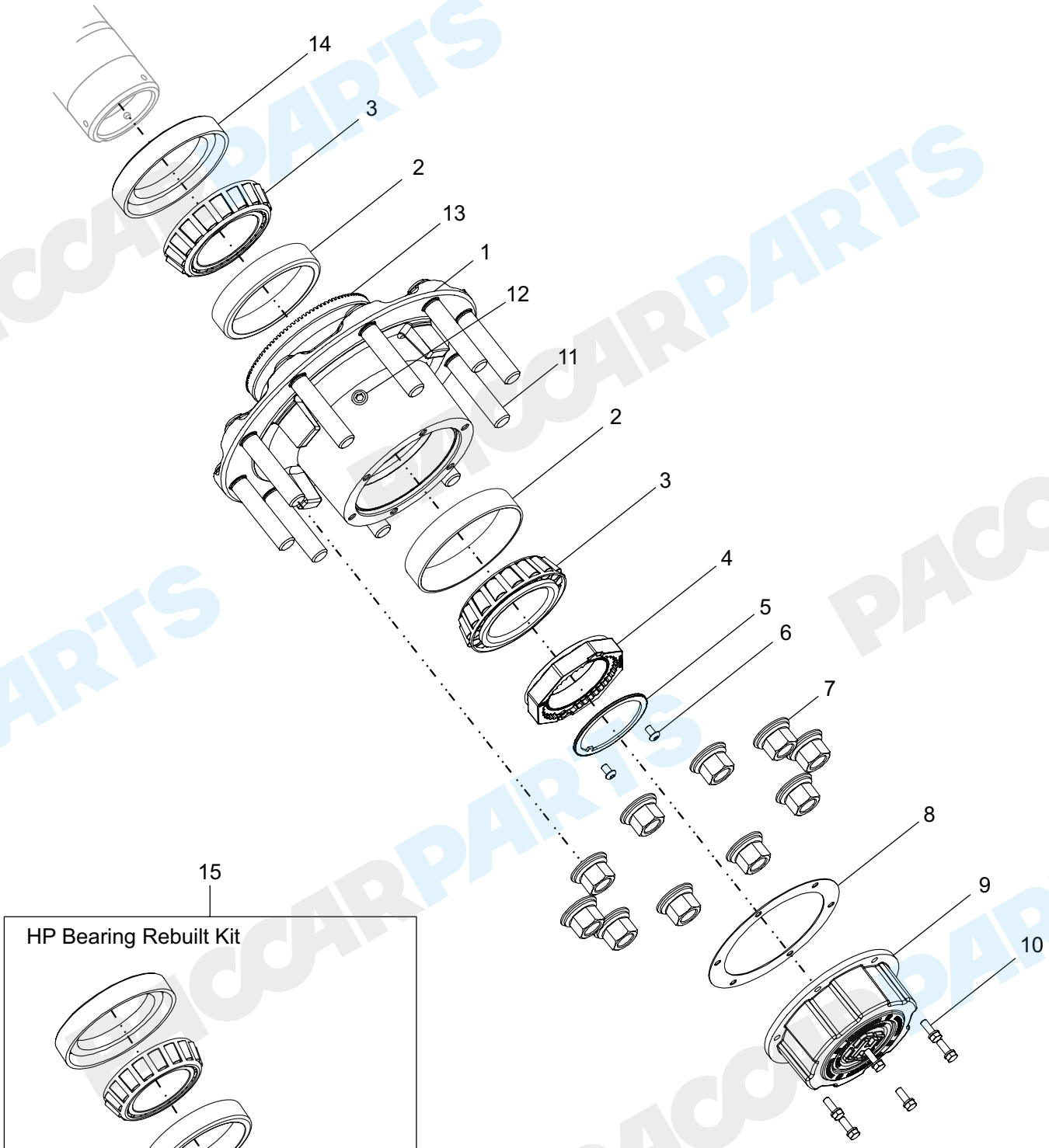


HXL2 & HXL5 HN DRUM BRAKE
WHEEL END – 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in complete Hub Kit – item 19	2
2		Bearing Cup, Outer	Included in item 18 & 19	2
3		Bearing Cone, Outer	Included in item 18 & 19	2
4		Spindle Nut – PRECISION240®	Included in item 17 & 19	2
5		Washer, Interlock – PRECISION240		2
6	SA-14400-2	Cap Screw – Button Head, ¼″ - 20 x ½″		4
7	A-24695	Nut Wheel, Standard – M22 x 15	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 15	With Spacer	20
8	A-32098	Gasket, Hubcap	Included in items 18 & 19	2
9	RPS	Hubcap	Refer to Hendrickson Hub Cap Guide	2
10	98879-004	Bolt & Washer, Hubcap – 5⁄16″ UNC x 7⁄8″	Suits 285 PCD Hub includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 125 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, Lock – 5⁄16″		12
11	98900-024	Stud – ADI Hub M22 x 15 x 105 mm	Included in item 19	20
	98900-019	Stud – Aluminium M22 x 15 x 122 mm		20
12	98934-065	Filler Plug – 9⁄16″ - 18 UNF, ADI & Aluminium Hub		2
13	98814-020	Pulse Ring, ABS – 285 PCD ADI Hub		2
	98814-009	Pulse Ring, ABS – 335 PCD Aluminium Hub		2
14	NSS	Bearing Cup, Inner	Included in item 18 & 19	2
15	NSS	Bearing Cone, Inner		2
16	S-27267	Seal, Hub Mounted		2

KIT PART NUMBER LISTING				
17(NS)	S-33332/2	Spindle Nut Kit	Includes Nut, Washer & Cap Screws – items 4, 5 & 6	2
18	98801-074	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 2, 3, 8, 14, 15 & 16	2
19(NS)	98818-064	Hub Replacement Kit – ADI, 10 Stud 285 PCD	Includes Hub, Bearings, Hub Nut, Gasket & Seal – items 1, 2, 3, 4, 5, 6, 8, 11, 12, 13, 14, 15 & 16	2
	98818-065	Hub Replacement Kit – Aluminium, 10 Stud 335 PCD		2

HXL7 HP DRUM BRAKE
WHEEL END – 22.5"



HXL7 HP DRUM BRAKE
WHEEL END – 22.5″

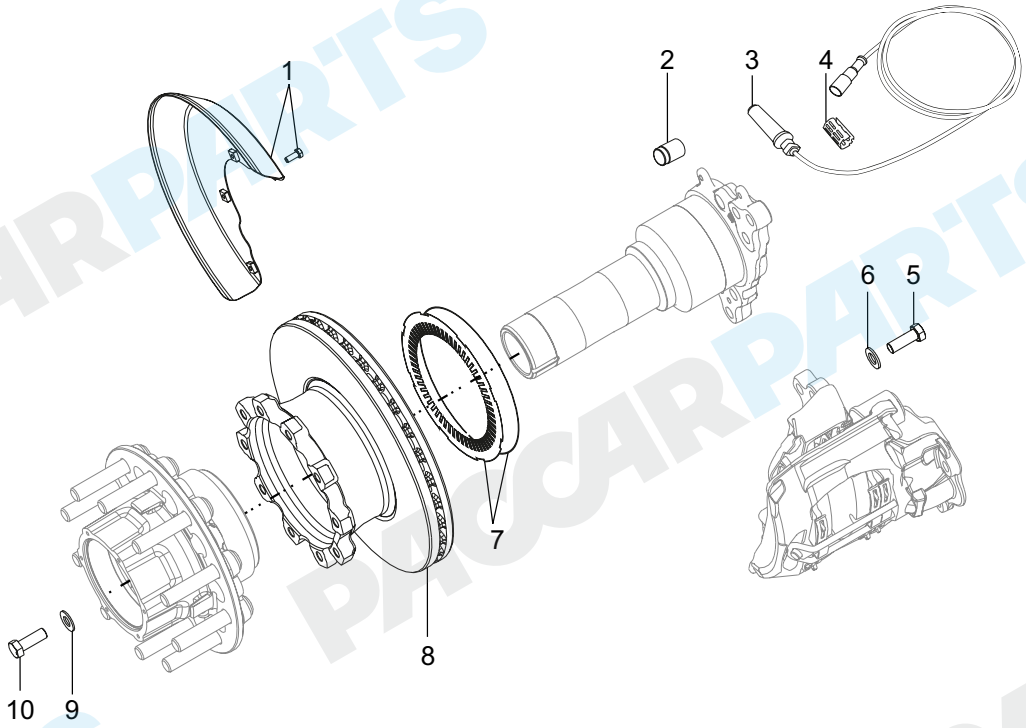
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in hub replacement kit – item 17	2
2		Bearing Cup	Included in item 15 or 17	4
3		Bearing Cone	Included in item 15 or 17	4
4		Spindle Nut – PRECISION320	Included in item 16 & 17	2
5		Washer, Interlock – PRECISION320		2
6	SA-14400-1	Cap Screw, Button Head		4
7	A-24695	Nut Wheel, Standard – M22 x 1.5	Without spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With spacer	20
8	A-32097	Gasket, Hubcap	Included in items 15 & 17	2
9	RPS	Hub cap	Refer to Hendrickson Hub Cap Guide	2
10	98879-004	Bolt & Washer, Hubcap – 5⁄16″ UNC x 7⁄8″	Suits 285 PCD hub Includes washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD hub Use washer & bolt together	12
	SA-1600-7	Washer, lock – 5⁄16″		12
11	98900-024	Stud – ADI Hub M22 x 1.5 x 105 mm	Included in item 17	20
	98900-019	Stud – Ductile Iron Hub M22 x 1.5 x 122 mm		20
12	98934-065	Filler Plug – 9⁄16″ - 18 UNF, ADI Hub		2
	NA	Filler Plug – 3⁄8″ - 18 NPT, Ductile Iron Hub		2
13	98814-020	Pulse Ring, ABS – ADI 285 PCD Hub		2
	98814-009	Pulse Ring, ABS – Ductile Iron 335 PCD Hub		2
14	A-27268	Seal, Hub Mounted	Included in items 15 & 17 Special tool required	2

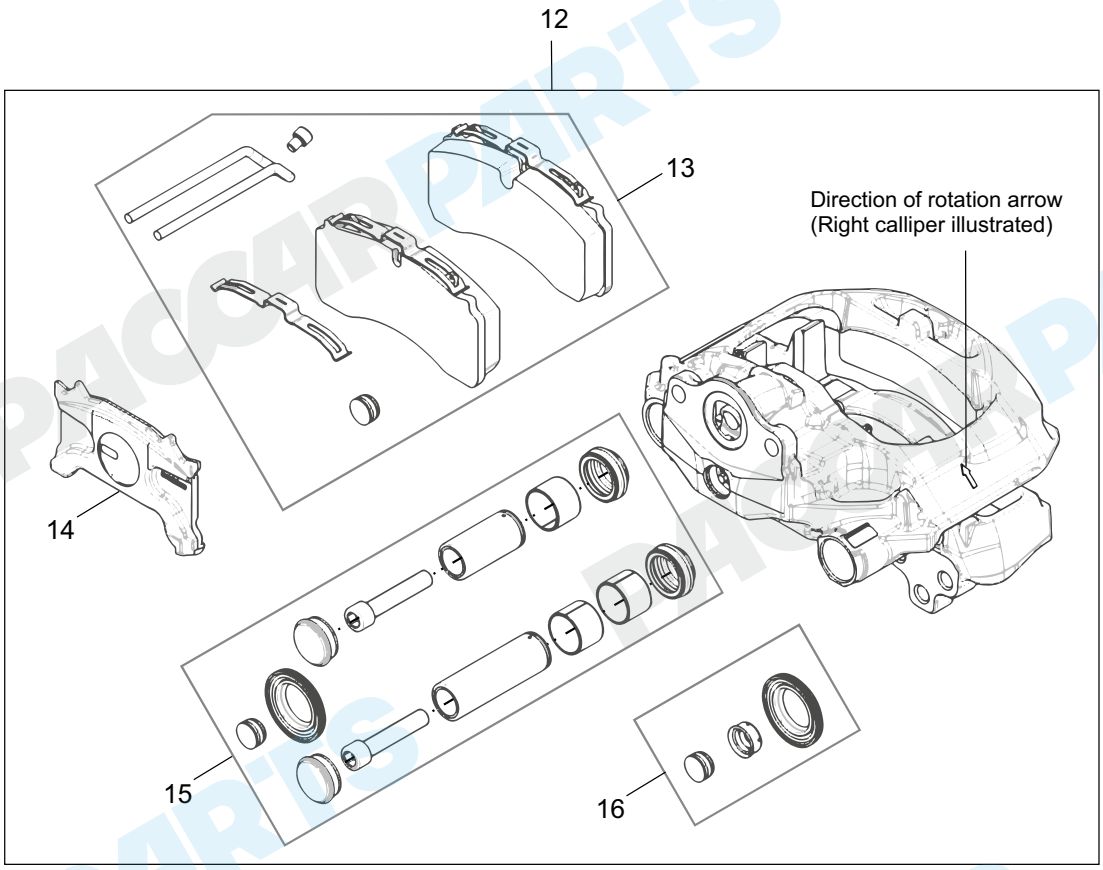
KIT PART NUMBER LISTING				
15	98801-075	Bearing Rebuild Kit	Includes bearings, gasket & seal – items 2, 3, 8 & 14	2
16(NS)	S-32844/2	Spindle Nut Kit	Includes nut, washer & cap screws – items 4, 5 & 6	2
17(NS)	98818-049	Hub Replacement Kit – ADI, 10 Stud 285 PCD	Kit includes hub, bearings, hub nut, gasket & seal – items 1, 2, 3, 4, 5, 6, 8, 11, 12, 13 & 14	2
	98818-061	Hub Replacement Kit – Ductile Iron, 10 Stud 335 PCD		2

1: paccarparts.com.au/trailer

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

DISC BRAKE CALIPER & SYSTEM
MAXX22T HDT-415mm – 22.5"

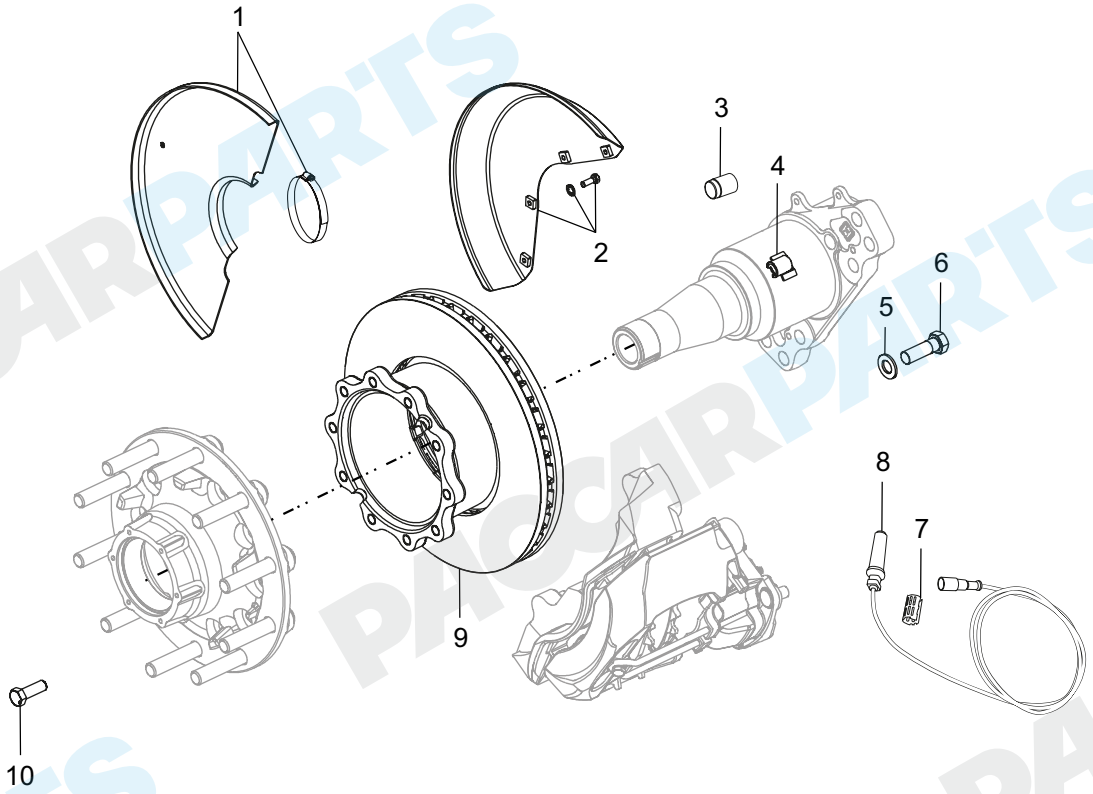


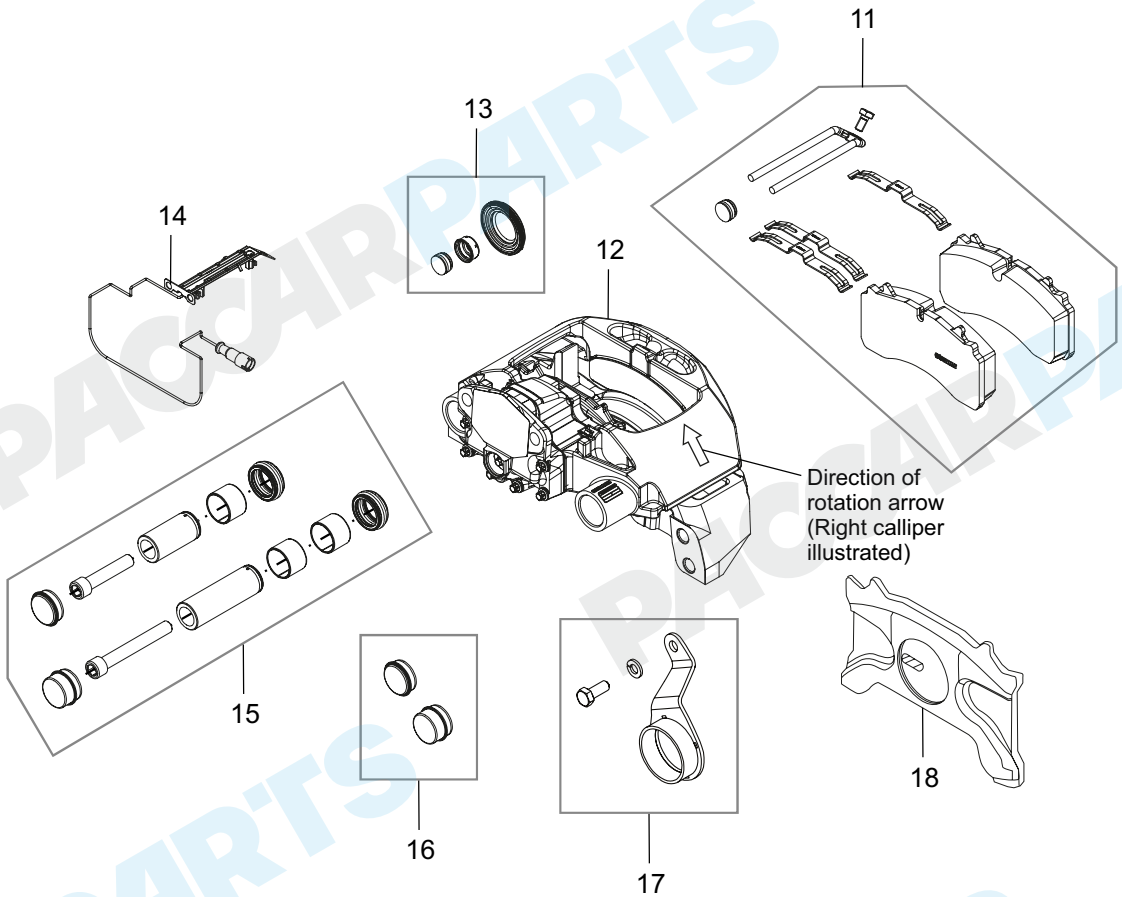


DISC BRAKE CALIPER & SYSTEM
MAXX22T HDT-415mm – 22.5"

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	S-35720-4415	Kit, Dust Shield – Disc Brake	Includes Bolts & Washers	2
2	B-36165	Bush, ABS Sensor Mounting		2
3	98831-001	Sensor, Straight ABS with 1.7m lead		2
4	99008-001	Clip, Retaining – ABS Sensor		2
5	SA-19600-2	Bolt, Caliper to Axle – M18 x 2.5 Class 10		12
6	SA-19900-1	Washer, Hardened – M18		12
7	98814-023	Pulse Ring, ABS & Clip Kit	Included in items 8 & 11	2
8	98815-027	Rotor Kit, 415 mm	Kit includes Rotor & Fasteners, items 7, 9, 10 Included in Item 11	2
9	SA-19700-2	Washer, Rotor to Hub – Zinc ⅝"	Included in items 8 & 11	20
10	SA-19600-3	Bolt, Rotor to Hub – Zinc M16 x 2, Class 10.9	Included in items 8 & 11	20
11	98818-062	Rotor & Hub Replacement Kit, 285 PCD	Kit includes Hub with Rotor, Hub Nut, Gasket, Bearings & Fasteners	2
	98818-063	Rotor & Hub Replacement Kit, 335 PCD		2
12	98881-103	Caliper Assembly, LH	Includes Pads, Retainer, Clips & Fasteners	1
	98881-104	Caliper Assembly, RH		1
14	S-35303-9	Pressure Plate, Brake Pad	Includes both LH & RH Plates	1
KIT PART NUMBER LISTING				
13	S-35303-1	Brake Pad Kit	Includes Pads, Springs, Holder Brackets, Screws & Plugs	1
15	S-35303-4	Repair Kit - Caliper Guide Pin & Bush	Includes Plug, Inner Seals, Outer Seals, Sliding Bolts, Metal Caps, Screws & Guide Pin Bushes	2
16	D-32676-3	Repair Kit - Caliper Piston Seal	Includes Plug, Inner Seal & Outer Seal	2

DISC BRAKE CALIPER & SYSTEM
WABCO HTD-377mm – 19.5"

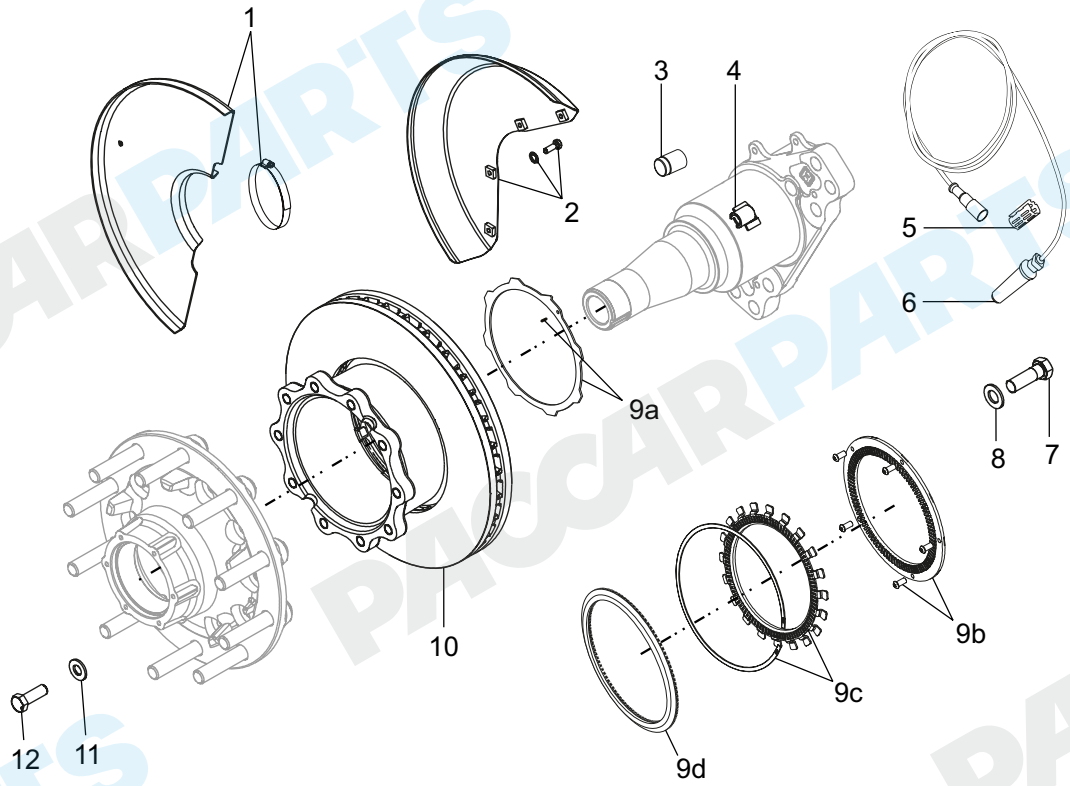


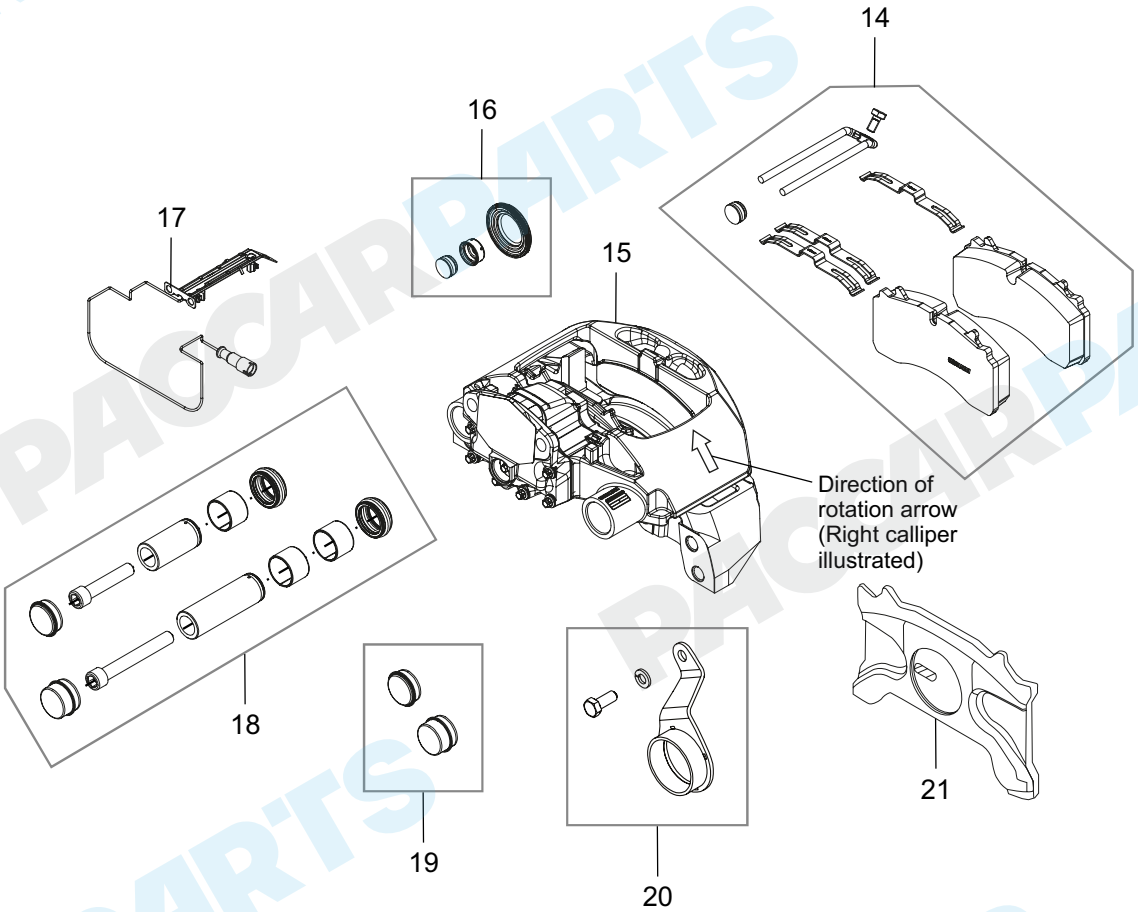


DISC BRAKE CALIPER & SYSTEM
WABCO HTD-377mm – 19.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NA	Kit, Clamp On Type Dust Shield – Disc Brake	Suits 127 mm (5″) Axle, includes Clamp	2
			Suits 146 mm (5.75″) Axle	2
2	S-36224-4375	Kit, Dust Shield – Disc Brake	Bolt on type, includes Bolts & Washers	2
3	B-36165	Bush, ABS Sensor Mounting	Suits 146 mm (5.75″) Axle	2
4	98814-004	Bracket, ABS Sensor Mounting - Pressed	Suits 127 mm (5″) Axle	2
	98814-005	Bracket, ABS Sensor Mounting – Cast		2
	S-28757		Suits 146 mm (5.75″) LDA Axle	2
5	97022-002	Washer, Hardened – M20		12
6	97023-001	Bolt, Caliper to Axle – M20 x 2.5 x 60		12
7	99008-001	Clip, Retaining – ABS Sensor		2
8	98831-001	Sensor, Straight ABS with 1.7m Lead		2
9	D-33390	Rotor Assembly, 377 mm	Rotor only, use with items 5 & 6	2
10	97733-004	Socket Head Bolt – M16 x 2 x 35		16
11	98881-021	Brake Pad Kit - Wabco Pan 19	Includes Pad Retaining Hardware	1
12	97097-007	Caliper Assembly, LH - Wabco Pan 19	Kit includes Brake pads, retaining hardware & pressure plate Includes items 11, 13, 15 & 18	1
	97097-008	Caliper Assembly, RH - Wabco Pan 19		1
18	97097-026	Pressure Plate, Brake Pad	Includes LH & RH side	1
KIT PART NUMBER LISTING				
13	D-32676-3	Repair Kit, Caliper Piston Seal	Single Caliper Kit	2
14	98881-020	Repair Kit, Pad Wear Indicator		1
15	D-32676-15	Repair Kit, Caliper Guide Pin & Bush	Single Caliper Kit, includes Caps	2
16	98881-040	Kit, Caliper Cap – Heavy Duty	Includes LH & RH side	1
17	97805-001	Kit, Caliper Guide Pin Cover	Includes LH & RH side	1

DISC BRAKE CALIPER & SYSTEM
WABCO HTD-430mm – 22.5″

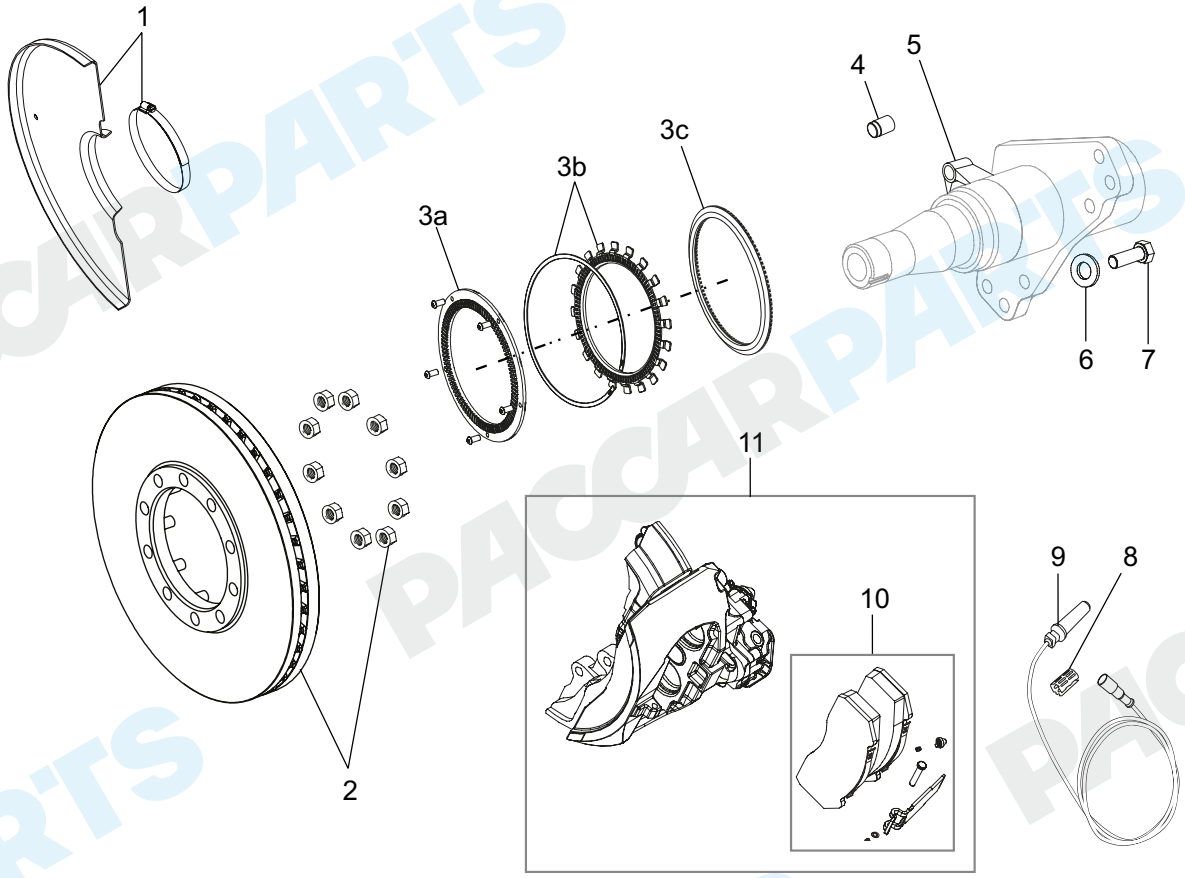


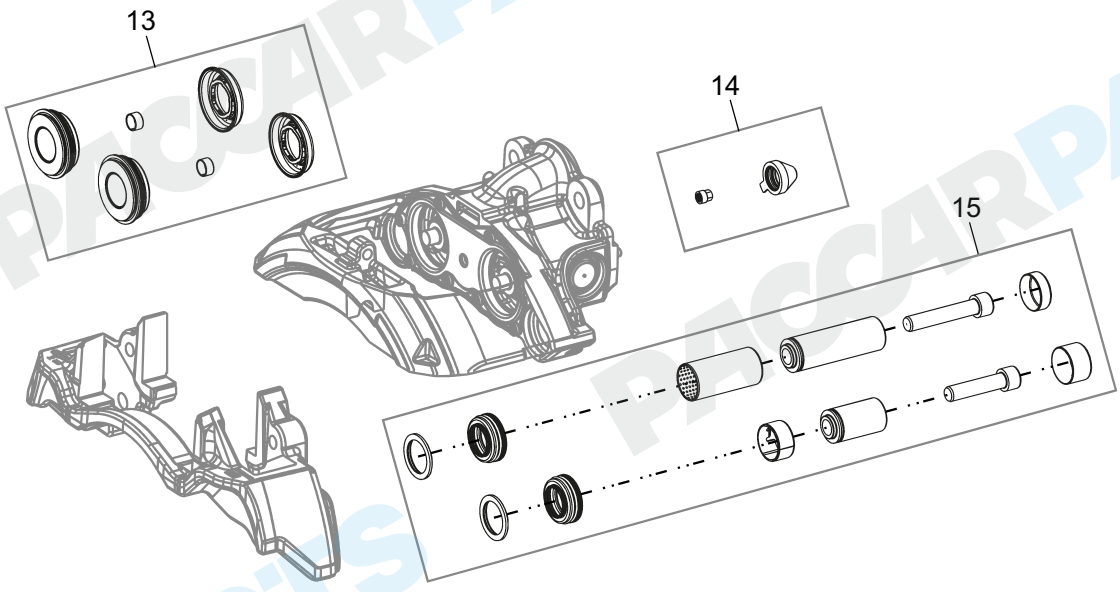


DISC BRAKE CALIPER & SYSTEM
WABCO HTD-430mm – 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	S-28570-4350	Kit, Dust Shield Clamp On Type	Suits 127 mm (5″) Axle includes clamp	2
	S-28570-4357		Suits 146 mm (575″) Axle includes clamp	2
2	S-36224-4430	Kit, Dust Shield – Bolt-On Disc Brake	Bolt on type, includes Bolts & Washers	2
3	B-36165	Bush, ABS Sensor Mounting	Suits 146 mm (575″) Axle	2
4	98814-004	Bracket, ABS Sensor Mounting - Pressed	Suits 127 mm (5″) Axle with Toowoomba Iron Hub	2
	98814-005	Bracket, ABS Sensor Mounting – Cast	Suits 127 mm (5″) Axle (Exc Toowoomba), Cast	2
	S-28757		Suits 146 mm (575″) LDA Axle, Cast	2
5	99008-001	Clip, Retaining – ABS Sensor		2
6	98831-001	Sensor, Straight ABS with 1.7m lead		2
7	97023-001	Bolt, Caliper to Axle – M20 x 2.5 x 60		12
8	97022-002	Washer, Hardened – M20		12
9a	98814-017	Kit, Tabbed ABS ring To suit 430 mm Rotor	KIC rotors from 2013 to 2020	2
	98814-029	Kit, Threaded ABS ring To suit 430 mm Rotor	KIC rotors from 2020 onwards	2
9b	98814-025	ConMet ABS Tone Ring Kit – Early Up To 2018	ConMet Rotors 10-Bolt Style	2
	98814-024	ConMet ABS Tone Ring Kit – 2018 to 2019	ConMet Rotors 5-Bolt Style	2
9c	98814-026	ConMet ABS Tone Ring Kit – From 2019	ConMet Rotors Locking Circlip Style includes Circlip	2
9d	98814-013	ABS Tone Ring – Toowoomba Hub	Suits Toowoomba Hub	2
10	98815-026	KIC Rotor Kit, 430 mm	Includes items 4, 9a, 11 & 12	2
	98815-031	ConMet Offset Rotor Assembly, 430 mm Includes ABS Ring & Hardware	From 2019	2
11	SA-19700-2	Washer, Flat – Zinc ⅝″	Suits KIC Rotor Included in item 10	20
12	NSS	Nut, ConMet Hub to Rotor. ⅝″ - 18 UNF	Suits ConMet Rotor Included in item 10	20
	SA-19600-3	Bolt, Hub to Rotor – ZInc M16 x 2 x 45	Suits KIC Rotor Included in item 10	20
13	98801-076	Hub & Rotor Assembly – ConMet HN PreSet	Inc bearings, Spacer & Seal Circlip Style ABS Ring	2
	98818-069	Hub & Rotor Assembly – 430 Rotor & HXL7 Hub	Includes Hub, Rotor & Hardware only	2
15	D-31346-1L	Caliper Assembly, LH - Wabco Pan 22	Caliper & Pad Assembly	1
	D-31346-1R	Caliper Assembly, RH - Wabco Pan 22		1
21	97097-027	Pressure Plate, Brake Pad	Includes LH & RH side	1
KIT PART NUMBER LISTING				
14	D-32676-1	Brake Pad Kit - Wabco Pan 22	Includes Pad Retaining Hardware	1
16	D-32676-3	Repair Kit, Caliper Piston Seal	Single Caliper Kit	2
17	D-32676-2	Repair Kit, Pad Wear Indicator		1
18	D-32676-15	Repair Kit, Caliper Guide Pin & Bush	Single Caliper Kit	2
19	98881-040	Kit, Caliper Cap – Heavy Duty	Includes LH & RH side	1
20	97802-001	Kit, Caliper Guide Pin Cover	Includes LH & RH side	1

DISC BRAKE CALIPER & SYSTEM
KNORR-BREMSE – 22.5"

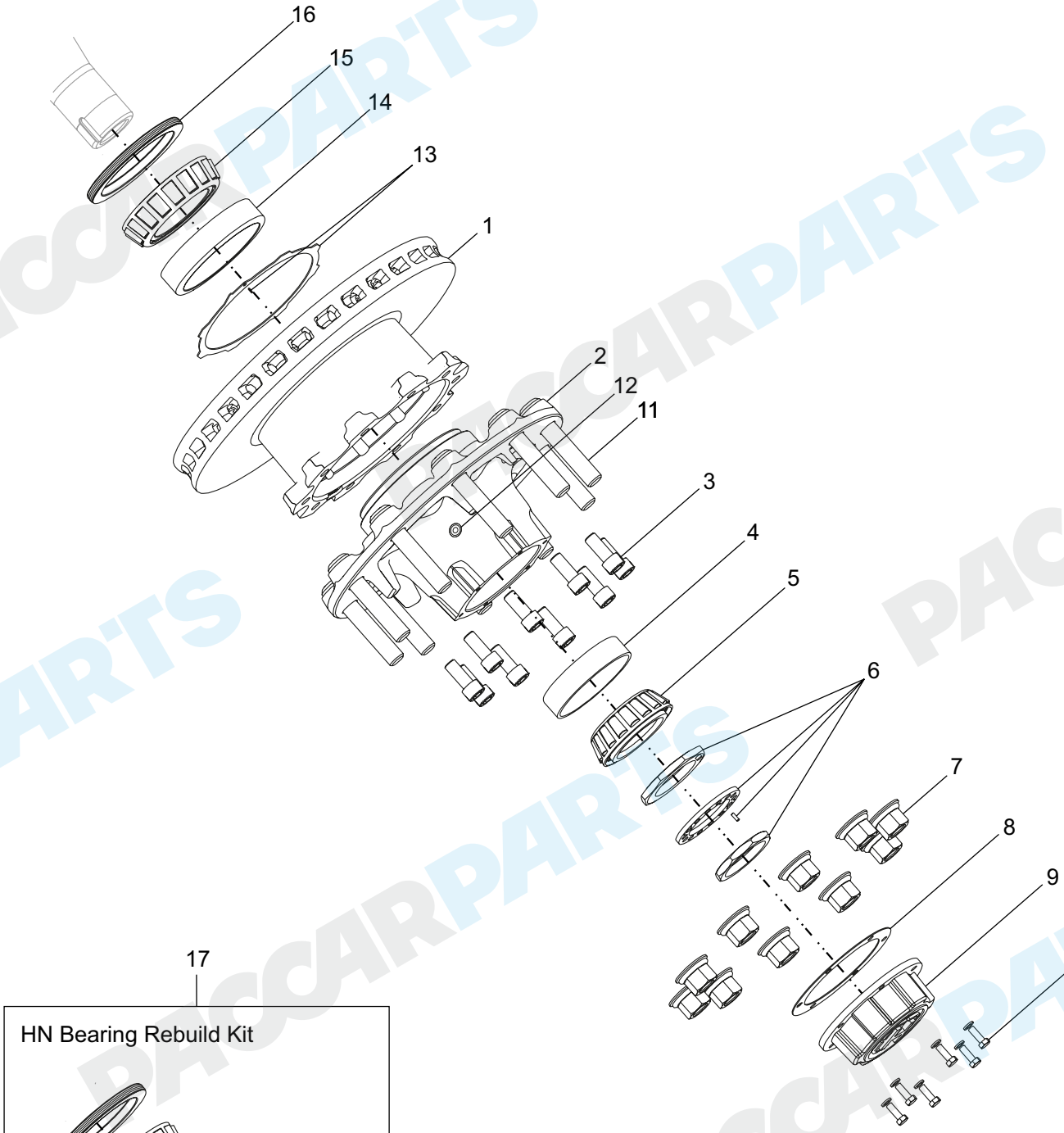




DISC BRAKE CALIPER & SYSTEM
KNORR-BREMSE – 22.5"

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	S-28570-4350	Kit, Dust Shield – Disc Brake	Suits 127 mm (5") Axle, includes Clamp	2
	S-28570-4357		Suits 146 mm (5.75") Axle, includes Clamp	2
2	98815-031	ConMet Offset Rotor Assembly, 430 mm Includes Hardware	From 2019, includes Locking Circlip Style ABS Ring	2
3a	98814-025	ConMet ABS Tone Ring Kit – Up to 2018	ConMet Rotors, 10-Bolt Style, includes Bolts	2
	98814-024	ConMet ABS Tone Ring Kit – 2018 To 2019	ConMet Rotors, 5-Bolt Style, includes Bolts	2
3b	98814-026	ConMet ABS Tone Ring Kit – From 2019	ConMet rotors, includes Locking Circlip	2
3c	98814-013	ABS Tone Ring – Toowoomba Hub	Suits Toowoomba Hub	2
4	B-36165	Bush, ABS Sensor Mounting	Suits 146 mm (5.75") Axle	2
5	98814-004	Bracket, ABS Sensor Mounting - Pressed	Suits 127 mm (5") Axle & Toowoomba Iron Hub	2
	98814-005	Bracket, ABS Sensor Mounting – Cast	Suits 127 mm (5") Axle (Exc. Toowoomba)	2
	S-28757		Suits 146 mm (5.75") LDA Axle	2
6	97022-002	Washer, Hardened – M20		12
7	97023-001	Bolt, Caliper to Axle – M20 x 2.5 x 60		12
8	99008-001	Clip, Retaining – ABS Sensor		2
9	98831-001	Sensor, Straight ABS with 1.7m lead		1
10	98881-005	Brake Pad Kit - KB SN7	Includes Adjuster Plug, Nut & Retainer Hardware	1
11	97097-017	Caliper Assembly, LH –KB SN7		1
	97097-018	Caliper Assembly, RH – KB SN7		1
	NA	Caliper Assembly, SB7	Use updated SN7 replacement Caliper	1
12	98801-076	Hub & Rotor Assembly – ConMet HN PreSet	Includes Bearings, Spacer & Seal Circlip Style ABS	2
KIT PART NUMBER LISTING				
13	97097-003	Caliper Tappet Kit	SB7	2
	97097-009		SN7	2
14	97097-006	Caliper Adjuster Kit	Includes Cap & Nut	1
15	97097-011	Caliper Slide Rebuild Kit	SB7	2
	97097-013	Caliper Slide Rebuild Kit – Heavy Duty	SN7	2

CONVENTIONAL HN DISC BRAKE
WHEEL END – 19.5″ & 22.5″

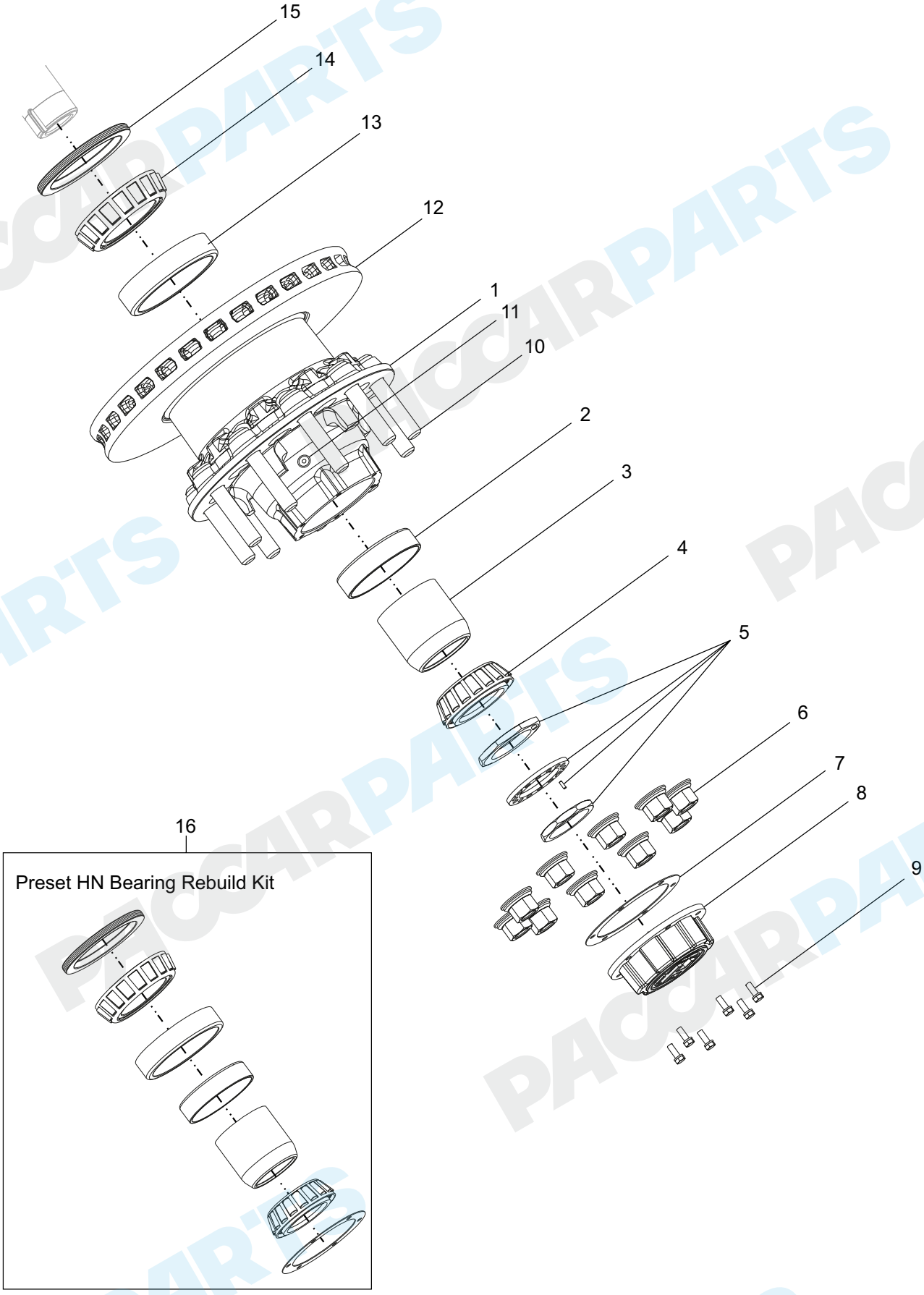


CONVENTIONAL HN DISC BRAKE
WHEEL END – 19.5" & 22.5"

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	D-33390	Rotor, Disc Brake – 377 mm	To suit Ductile Iron Hub, use with item 3 Included in Item 18	2
	98815-026	Rotor, Disc Brake – 430 mm	Hardware Included, Rotor without H/W PN D-34172	2
2	C-33381-6	Hub Assembly – Ductile Iron, 10 Stud 335 PCD	Includes items 4, 11, 12 & 14 Included in Item 18	2
	C-33414-4	Hub Assembly – Ductile Iron, 8 Stud 275 PCD		2
3	97733-004	Bolt, Hub to Rotor – M16 x 2 x 35 mm	Suits 377 mm Rotor	16
	SA-19600-3	Bolt, Hub to Rotor – Zinc M16 x 2 x 45 mm	Use Washer & Bolt together, suits 430mm Rotor Included in item 1 & 18	20
	SA-19700-2	Washer, Zinc Flat – ⅝"		20
4	NSS	Bearing Cup, Outer	Included in item 2 & 17	2
5	NSS	Bearing Cone, Outer	Included in item 17	2
6	A-20492	Spindle Nut Kit – HN	Services a complete Axle Includes 2 each of Nuts, Washer & Set Screw	1
7	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
8	A-32098	Gasket, Hubcap	Included in item 17	2
9	RPS	Hubcap	Refer to Hendrickson Hub cap guide	2
10	98879-004	Bolt & Washer, Hubcap – 5/16" UNC x 7/8"	Suits 275 PCD Hub, includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Use Washer & Bolt together suits 335 PCD Hub	12
	SA-1600-7	Washer, Lock – 5/16"		12
11	98900-019	Stud, Wheel – M22 x 1.5 x 122 mm	Included in item 2 & 18	20
12	NSS	Filler Plug – ⅜" - 18 NPT	Included in item 2 & 18	2
13	98814-017	Kit, Tabbed ABS ring. To suit 430 mm Rotor	KIC rotors from 2013 to 2020	2
	98814-029	Kit, Threaded ABS ring. To suit 430 mm Rotor	KIC rotors from 2020 onwards	2
	NSS	ABS Tone Ring to suit 377 mm Rotor	Included in item 1	2
14	NSS	Bearing Cup, Inner	Included in item 2, 17 & 18	2
15	NSS	Bearing Cone, Inner	Included in item 17	2
16	98794-006	Seal, Hub Mounted – Alternative Option	Hand installed	2
	98794-012	Seal, Spindle Mounted – Standard Fitment	Special tool required Included in item 17	2
	S-27267	Seal, Hub Mounted – Alternative Option	Special tool required	2
KIT PART NUMBER LISTING				
17	98800-010	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – items 4, 5, 8, 14, 15 & 16	2
18	C-33874-4	Hub & Rotor Kit	8 Stud 275 PCD - 377 mm Includes Rotor, Hub & Hardware – items 1, 2, & 3	2
	C-34578-4		10 Stud 335 PCD - 430 mm Includes Rotor, Hub & Hardware – items 1, 2, & 3	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

PRESET HN DISC BRAKE
WHEEL END – 22.5"

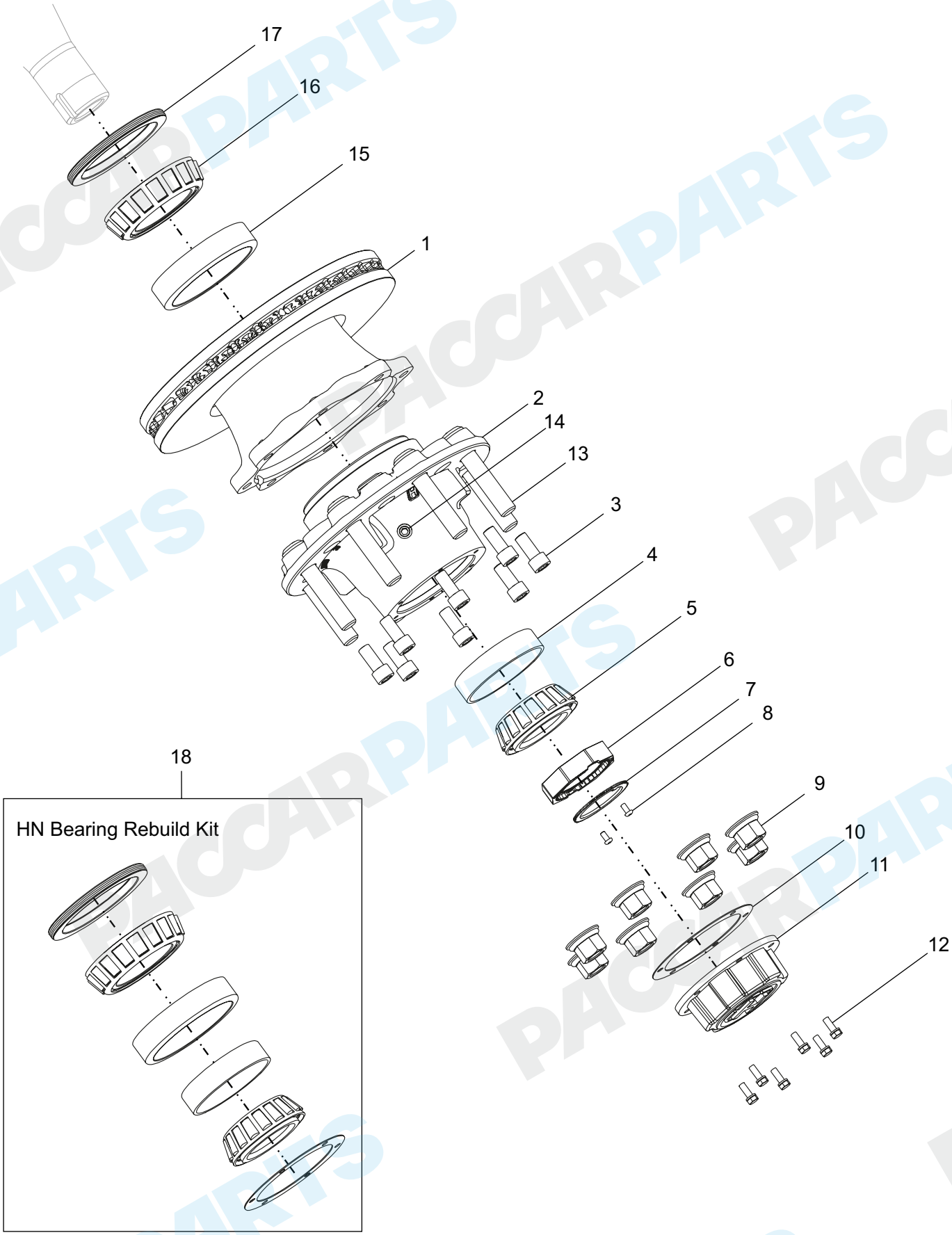


PRESET HN DISC BRAKE
WHEEL END – 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	Hub	Included in item 18	2
2		Bearing Cup, Outer	Included in item 16 & 18	2
3		PreSet HN Spacer*	Included in item 16, 17 & 18	2
4		Bearing Cone, Outer	Included in item 16 & 18	2
5	A-20492	Spindle Nut Kit – HN	Services a complete Axle. Includes 2 each of Nuts, Washer & Set Screw	1
6	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
7	A-32098	Gasket, Hubcap	Included in Item 16	2
8	RPS	Hubcap	Refer to Hendrickson Hub cap guide	2
9	98879-004	Bolt, Hubcap – 5⁄16″ UNF x 7⁄8″	Includes washer	12
10	98900-022	Stud, Wheel – M22 x 1.5 x 126 mm	Included in item 18	20
11	98934-065	Filler Plug – 9⁄16″ - 18 UNF	Included in item 18	2
12	98814-025	ConMet ABS Tone Ring Kit – Early Up to 2018	ConMet Rotors 10-Bolt style	4
	98814-024	ConMet ABS Tone Ring Kit – 2018 to 2019	ConMet Rotors 5-Bolt style	4
	98814-026	ConMet ABS Tone Ring Kit – From 2019	ConMet Rotors Locking Circlip style, includes Circlip	4
13	NSS	Bearing Cup, Inner	Included in item 16 & 18	2
14	NSS	Bearing Cone, Inner	Included in item 16 & 18	2
15	S-27267	Seal, Hub Mounted – Standard fitment*	Included in items 16, 17 & 18, Special tool required	2
	98794-006	Seal, Hub Mounted – Hand Installed Option	For hand installation	2
KIT PART NUMBER LISTING				
16	97098-002	Bearing Rebuild Kit	Includes Bearings, Seal, Gasket & Spacer – items 2, 3, 4, 7, 13, 14, & 15	2
17	97097-030	Seal & Spacer Kit	Includes Seal & Spacer – items 3 & 15	2
18	98801-076	Hub & 430 mm Rotor Assembly Replacement Kit - ConMet Aluminium Hub with Locking Circlip Style ABS Ring – 10 Stud 285	Pre-assembled Hub & Rotor, with Bearings, Spacer & Seal Items 1, 2, 3, 4, 10, 11, 12, 13, 14 & 15	2

* Please use a new PreSet Bearing spacer when replacing the hub seal

HXL2 & HXL5 HN DISC BRAKE
WHEEL END – 19.5″ & 22.5″

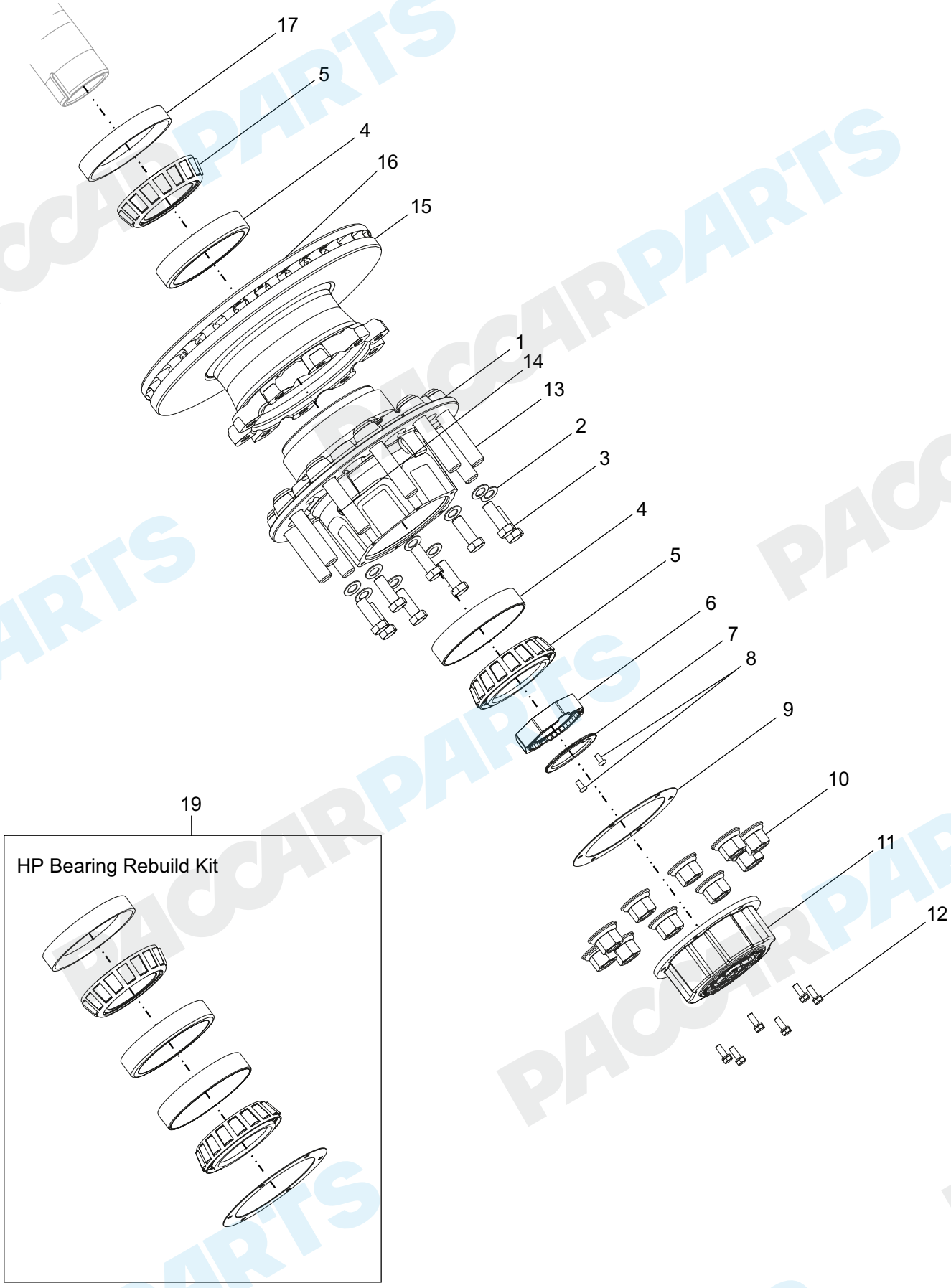


HXL2 & HXL5 HN DISC BRAKE
WHEEL END – 19.5" & 22.5"

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	D-33390	Rotor Assembly, Ductile Iron Hub – 377 mm	Included in item 20	2
	98815-026	Rotor Assembly, Ductile Iron Hub – 430 mm	Includes ABS Ring & Hardware, Rotor without H/W PN D-34172	2
	98815-031	Rotor Kit, ConMet Aluminium Hub – 430 mm with ABS Ring & Hardware	Included in item 20	2
2	NSS	Hub	Included in Hub replacement kit, item 20	2
3	97733-004	Bolt, Hub to Rotor – M16 x 2 x 35 mm – 377 mm rotor	Included in item 20	16
	NSS	Nut, Hub to Rotor – Aluminium Hub with 430 mm rotor	Included in item 1 or 20	20
	SA-19700-2	Washer, Zinc Flat – ⅝"	Suits ductile Iron Hub with 430 mm Rotor Included in item 1&20	20
	SA-19600-3	Bolt, Hub to Rotor – Zinc M16 x 2 x 45 mm		20
4	NSS	Bearing Cup, Outer	Included in item 18 & 20	2
5		Bearing Cone, Outer	Included in item 18 & 20	2
6		Spindle Nut – PRECISION240	Included in items 19 & 20	2
7		Washer, Interlock – PRECISION240		2
8	SA-14400-2	Cap Screw – Button Head, ¼" - 20 x ½"		4
9	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
10	A-32098	Gasket, Hubcap	Included in items 18 & 20	2
11	RPS	Hubcap	Refer to Hendrickson Hub cap guide	2
12	98879-004	Bolt & Washer, Hubcap – 5/16" UNC x ⅞"	Suits 275 & 285 PCD Hub	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, Lock – 5/16"		12
13	98900-019	Stud, Wheel – Ductile Iron Hub M22 x 1.5 x 122mm	Included in item 20	20
	98900-022	Stud, Wheel – Aluminium Hub M22 x 1.5 x 126mm		20
14	98934-065	Filler Plug – 9/16" - 18 UNF, Aluminium Hub		2
	NA	Filler Plug – ⅜" - 18 NPT, Ductile Iron Hub		2
15	NSS	Bearing Cup, Inner	Included in item 18 & 20	2
16	NSS	Bearing Cone, Inner		2
17	S-27267	Seal, Hub Mounted		2
KIT PART NUMBER LISTING				
18	98801-074	Bearing Rebuild Kit	Includes Bearings, Gasket & Seal – Items 4, 5, 10, 15, 16 & 17	2
19	S-33332/2	Spindle Nut Kit	Includes Nut, Washer & Cap Screws – items 6, 7 & 8	2
20	98818-066	Rotor/Hub Replacement Kit ConMet Aluminium Hub with Bolt- On ABS Ring - 10 Stud 285 PCD, 430 mm Rotor	Kit includes Hub with Rotor, Hub Nut, Gasket, Bearings & Fasteners – Items 1, 2, 3, 4, 5, 6, 7, 8, 10, 13, 14, 15, 16 & 17	2
	98818-067	Rotor/Hub Replacement Kit Ductile Iron Hub - 10 Stud 335 PCD, 430 mm rotor		2
	98818-068	Rotor/Hub Replacement Kit Ductile Iron Hub - 8 Stud 275 PCD, 377 mm Rotor		2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

HXL7 HP DISC BRAKE
WHEEL END – 22.5"



HXL7 HP DISC BRAKE
WHEEL END – 22.5″

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	C-33387-8	Hub Assembly – Ductile Iron, 10 Stud 285 PCD	Includes Hub, Bearing Cups, Studs & Fill Plug – items 4, 13, 14 Included in Item 20	2
	C-33883-6	Hub Assembly – Ductile Iron, 10 Stud 335 PCD		2
2	SA-19700-2	Washer, Zinc Hardened - Hub to Rotor	Included in items 15 & 20	20
3	SA-19600-3	Bolt, Hub to Rotor – M16 x 2 x 45 mm	Included in items 15 & 20	20
4	NSS	Bearing Cup	Included in items 1 ,19 & 20	4
5		Bearing Cone	Included in items 19 & 20	4
6		Spindle Nut – PRECISION320	Included in items 18 & 20	2
7		Washer, Interlock – PRECISION320		2
8	SA-14400-1	Cap Screw, Button Head		4
9	A-32097	Gasket, Hubcap	Included in items 19 & 20	2
10	A-24695	Nut Wheel, Standard – M22 x 1.5	Without Spacer	20
	98817-005	Nut Wheel, Long – M22 x 1.5	With Spacer	20
11	RPS	Hubcap	Refer to Hendrickson Hub cap guide	2
12	98879-004	Bolt & Washer, Hubcap – 5⁄16″ UNC x 7⁄8″	Suits 285 PCD Hub includes Washer	12
	98879-002	Bolt, Hubcap – M8 x 1.25 x 20	Suits 335 PCD Hub Use Washer & Bolt together	12
	SA-1600-7	Washer, Lock – 5⁄16″		12
13	98900-019	Stud, Wheel – M22 x 1.5 x 122 mm	Included in items 1 & 20	20
14	NA	Filler Plug – 3⁄8″ - 18 NPT	Included in items 1 & 20	2
15	98815-027	Rotor Kit, Disc Brake - 415 mm MAXX22T	Includes Mounting Hardware & ABS Ring – items 2, 3 & 16 & Included in Item 20	2
	98815-026	Rotor Kit, Disc Brake - 430 mm KIC		2
16	98814-023	Pulse Ring, MAXX22T™ HDT-415™ ABS Ring & Clip Kit	415 mm MAXX22T HTD-415 Rotors includes Locking Clip Included in items 15 & 20	2
	98814-017	Kit, Tabbed ABS ring. To suit 430 mm Rotor	KIC rotors from 2013 to 2020	2
	98814-029	Kit, Threaded ABS ring. To suit 430 mm Rotor	KIC rotors from 2020 onwards	2
17	A-27268	Seal, Hub Mounted	Included in items 19 & 20	2
KIT PART NUMBER LISTING				
18	S-32844/2	Spindle Nut Kit	Includes items 6, 7 & 8	2
19	98801-075	Bearing Rebuild Kit	Includes items 4, 5, 9 & 17	2
20	98818-062	Rotor & Hub Replacement Kit, 285 PCD MAXX22T™ HDT-415™ 415 mm	MAXX22T 415 mm, Includes items 1, 2, 3, 5, 6, 7, 8, 9, 15, 16 & 17	2
	98818-063	Rotor & Hub Replacement Kit, 335 PCD		2
	98818-069	Rotor & Hub Assembly HXL7 430 mm	Includes items 1, 2, 3, 15 & 16, Use with bearing rebuild kit, item 19	2



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AXLE IDENTIFICATION 270

ROCKWELL - ARN/ATN (10 SPLINE) 4000/6000 (28 SPLINE) 274
16-½" x 7" BRAKES

ROCKWELL - RN/TN AXLE 278
16-½" x 7" BRAKES

ROCKWELL TN AXLE 282
12-¼" x 7-½" Q BRAKES

ROCKWELL TN/TQ AXLE 286
FABRICATED BRAKE SPIDER 16-½" x 7" BRAKES

R.O.R TN METRIC AXLE 290
CAST BRAKE SPIDER/STEPPED CAMSHAFTS (TO JUNE 1991) 16-½" x 7" BRAKES

R.O.R TN METRIC AXLE 294
FABRICATED BRAKE SPIDER/STEPPED CAMSHAFTS (FROM JUNE 1991) 16-½" x 7" BRAKES

MERITOR AXLE IDENTIFICATION

BEAM CAPACITY lbs (kg)	
K	22,500 (10,206)[3]
N	22,500 (10,206)
P	22,500/25,000 (10,206/11,340)
Q	25,000/30,00 (11,340/13,608)
R	22,500/25,000 (10,206/11,340)

DESIGN VARIATION	
C	Crank
D	Drop
P	Positive Bearing Adjustment*
BLANK	Straight with Manual Bearing Adjusment

BRAKE DIAMETER	
2	12-¼" (31cm)
5	15" (38cm)[1]
6	16-½" (42cm)
8	18" (46cm)

MISC.	
0	FMVSS121 Brake Certification
1	Equipped for ABS†

TRACK	
1	71-½"
7	77-½"

LINING MIX	
0	No Brake
1	R202 (MME-145A)
2	R301 (ABB931-162)
3	R201 (ABB197)
4	R203 (FA867)

T P P – 4 6 7 0 – QR – 1 1 2 0

BEAM TYPE	
T	Tubular
R	Rectangular[3]

MODIFICATION	
1	Single Wheel
4	Standard Wall Thickness
8	Heavy Wall Thickness (⅝")
9	Heavy Wall Thickness (¾")

BRAKE WIDTH	
1	10" (25cm)
6	6" (15cm)
7	7" or 7-½" (18-19cm)
8	8-⅝" (22cm)

BRAKE TYPE	
L	Q Plus Cam Brake
N	Less Brake
Q	Cam-Quick Change
P	Cam
QH	Q with Hub Installed
QW	Q with Wheel Installed
RDA	Stopmaster Wedge
D	Air Disc
DH	Air Disc with Hub Installed
DW	Air Disc with Wheel Installed
QR	Aftermarket Cam-Quick Change Brake Less Locator Hole
LR	Aftermarket Q Plus Cam Brake Service Beam Less Locator Hole
NR	Aftermarket Service Beam Less Brake & Less Locator Hole

CAM LENGTH/ SPLINE	
0	No Cams
1	Short 28T
2	Int. 28T
3	Long 28T
4	Short 10T
5	Int. 10T
6	Long 10T

SLACK ADJUSTER	
0	None
1	5' Manual
2	6" Manual
6	5" Auto w/30-30 Chamber
7	5-½" Auto w/30-30 Chamber
8	6" Auto w/30-30 Chamber

R.O.R. AXLE IDENTIFICATION

ANTI-LOCK EXCITER		
A	60/45 Teeth Pressed Steel	Suits Grau MGX2 & MGX2E Bendix MDR & MDRA
W	100/80 Teeth Solid Ring 11690	Suits Wabco, Bosch, Grau DGX & MGX100 Bendix AL-4T

SELF STEER

WHEEL	
S	Single Wheel
T	Twin Wheel

BEAM CAPACITY lbs (kg)	
ADI	ISO Type with M22 x 1.5mm Wheel Bolts 285.75mm PCD
B	(JAP) M20 x 1.5mm 285 PCD
MX	ISO Type with M22 x 1.5mm Wheel Bolts 335mm PCD
MXA	ISO Type with M22 x 1.5mm Wheel Bolts for Alloy Wheels 335mm PCD
S	Spider Hub

A	T	N	S	/	S	200	#	/	B	MX

BEARING COMBINTION		
N	Inner Bearing	HM218248/HM218210
	Outer Bearing	HM212011/HM212049
M	Inner Bearing	HM218248/HM218210
	Outer Bearing	33213
E	Inner Bearing	99041067
	Outer Bearing	99041068

AXLE SERIES		
90	9,000kg	460mm
93	9,300kg	460mm
200	9,500kg	460mm
225	10,170kg	490mm
250	11,690kg	490mm

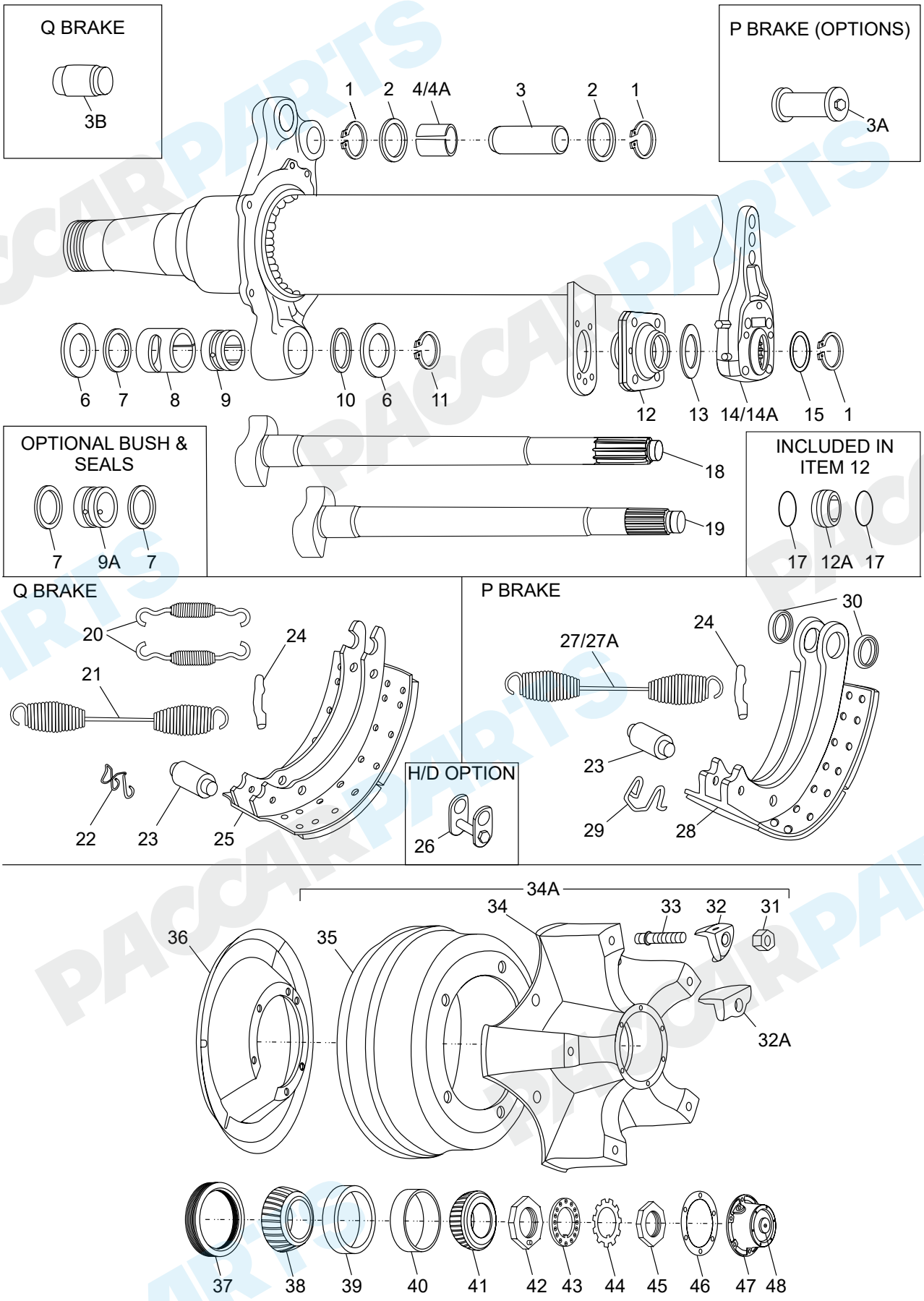
NO. OF WHEEL BOLTS

BRAKE SIZE	
AC	310 x 190mm
B	350 x 200mm
Q	420 x 180mm

NOTES

NOTES

ROCKWELL - ARN/ATN (10 SPLINE) 4000/6000 (28 SPLINE)
16-½" x 7" BRAKES



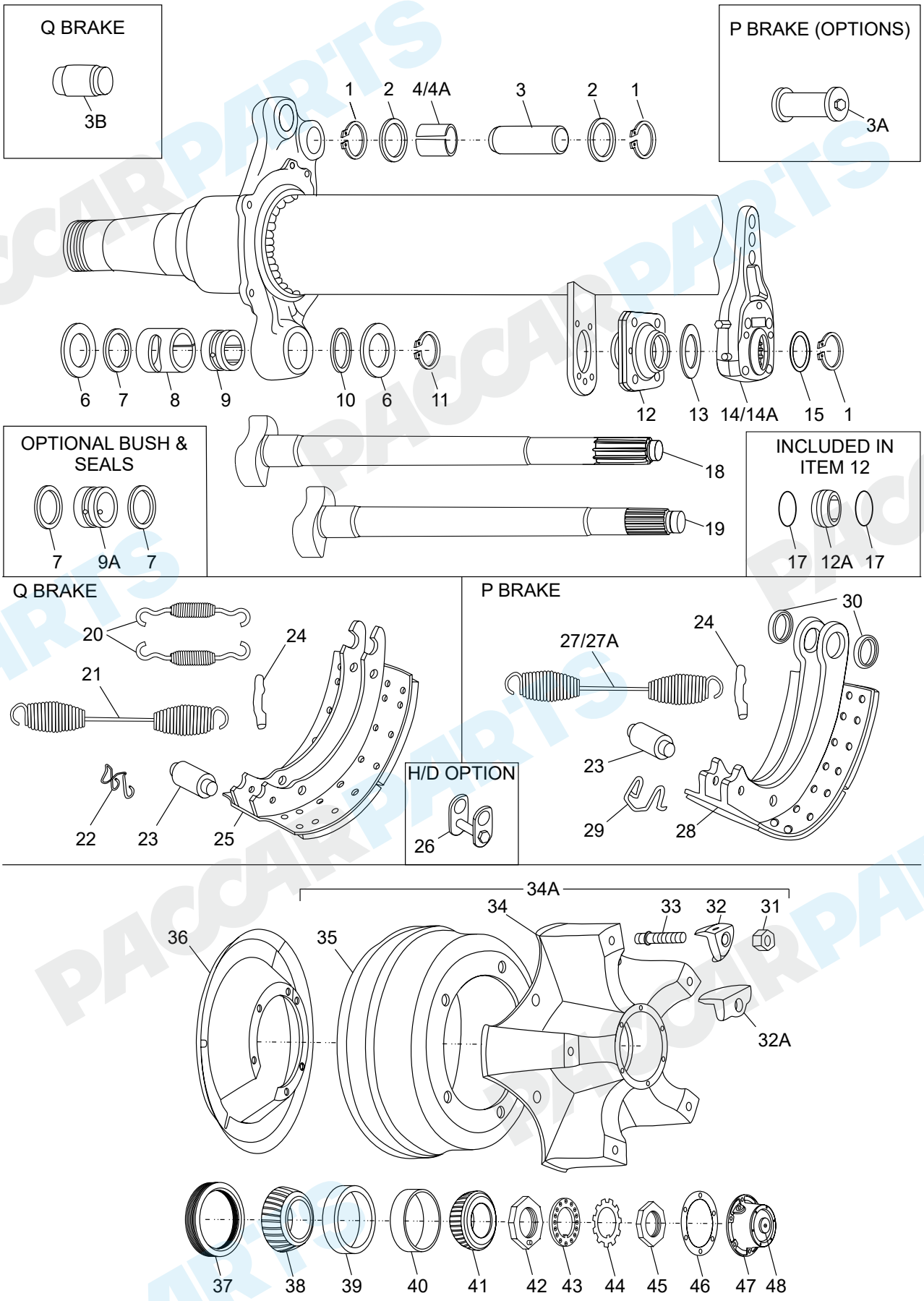
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ROCKWELL - ARN/ATN (10 SPLINE) 4000/6000 (28 SPLINE)
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	6
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	4
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
4A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
6	T02-3117	Washer	2" OD x 1-⅝" ID x 1/16"	4
7	T02-3118	Seal		4
8	T02-3119	Outer Cam Bush		2
9	T02-3120	Inner Cam Bush		2
9A	T02-3151	Spider Cam Bush	Can Replace Item 8 & 9	2
10	T02-3121	O-Ring		2
11	T02-3100	Circlip	To Suit 1-⅝" Shaft	2
12	T02-3005	Bracket & Bush Assembly		2
12A	T02-3006	Bush	Suits 10 Spline 'S' Cam	2
13	T02-3112	Washer	2" OD x 1-½" ID x 3/64"	2
14	R824000	Slack Adjuster	3 Hole, 10 Spline	2
14A	R824003	Slack Adjuster	3 Hole, 28 Spline	2
15	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	2
17	T02-3007	O-Ring		4
18	T02-2011	LH 'S' Cam 10 Spline		1
	T02-2012	RH 'S' Cam 10 Spline		1
19	T02-2043	LH 'S' Cam 28 Spline		1
	T02-2044	RH 'S' Cam 28 Spline		1
20	T02-3449	Return Spring	2 per Wheel Q-Brake	4
21	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
22	3105B210	Roller Retainer		4
23	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No. e.g: T02-3403KAU	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
24	T02-3452	Spring Retainer		4
25	TRP214515Q	Brake Shoe Lined Meritor 'Q'		2
26	T02-3415AU	H/D Roller Retainer		4
27	T02-3451	H/D Return Spring	P-Brake	2
27A	MB7016	Extra H/D Return Spring	P-Brake	2
28	TRP214515P	Brake Shoe Lined Meritor 'P'		2
29	T02-3401	Roller Retainer		4
30	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
31	T04-6002	Wheel Nut		10
32	T04-6051	Wheel Clamp		10
32A	610-1	Wheel Clamp	Malco Type	10

ROCKWELL - ARN/ATN (10 SPLINE) 4000/6000 (28 SPLINE)

CONTINUED 16-½" x 7" BRAKES



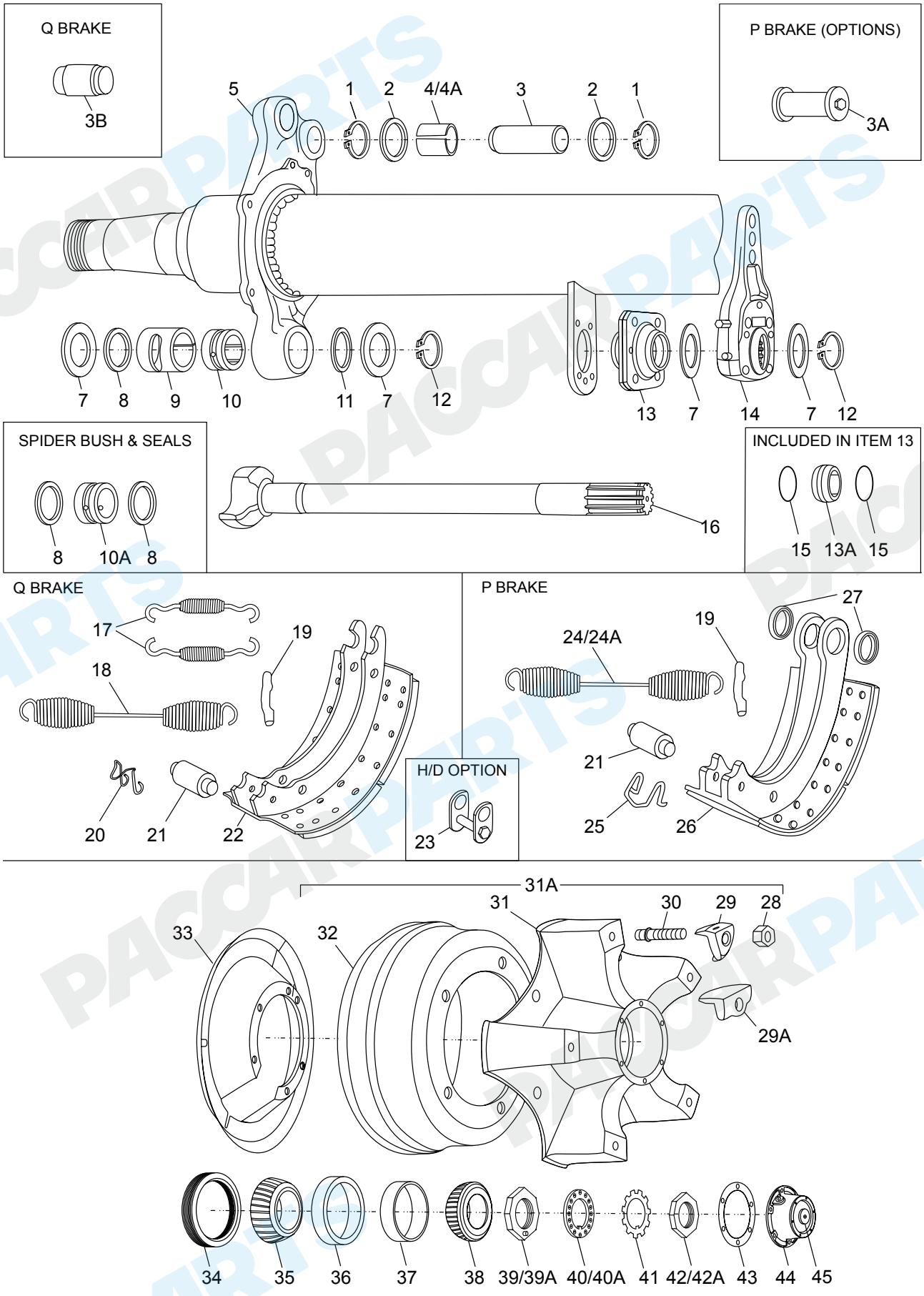
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ROCKWELL - ARN/ATN (10 SPLINE) 4000/6000 (28 SPLINE)
CONTINUED 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
33	T04-6001	Wheel Stud		10
34	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Rockwell Type Use Drum PN DB005TRP	2
34A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
35	DB005TRP	Brake Drum	Use with Hub PN T04-3323	2
	DB014TRP		Use with G.P. & Malco Type Hub	2
36	T02-5100	Dust Cover		2
37	T04-STM-0743G	Axle Seal (Grease)		2
38	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN	2
39	HM218210T1M	Inner Cup		2
40	HM212011T1M	Outer Cup		2
41	HM212049T1M	Outer Cone		2
42	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
43	T04-4007	Lock Washer		2
44	T04-8680	Lock Tab Washer		2
45	T04-4006	Outer Lock Nut		2
46	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
47	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
48	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2

KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kits	T02-2303-AU	'S' Cam Bush Kit (2 piece Spider Bush, can use T02-2322)	Services 1 Axle	1
	T02-2322	'S' Cam Bush Kit (Single Spider Bush)		1
	T02-3111-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2

ROCKWELL - RN / TN AXLE
16-½" x 7" BRAKES



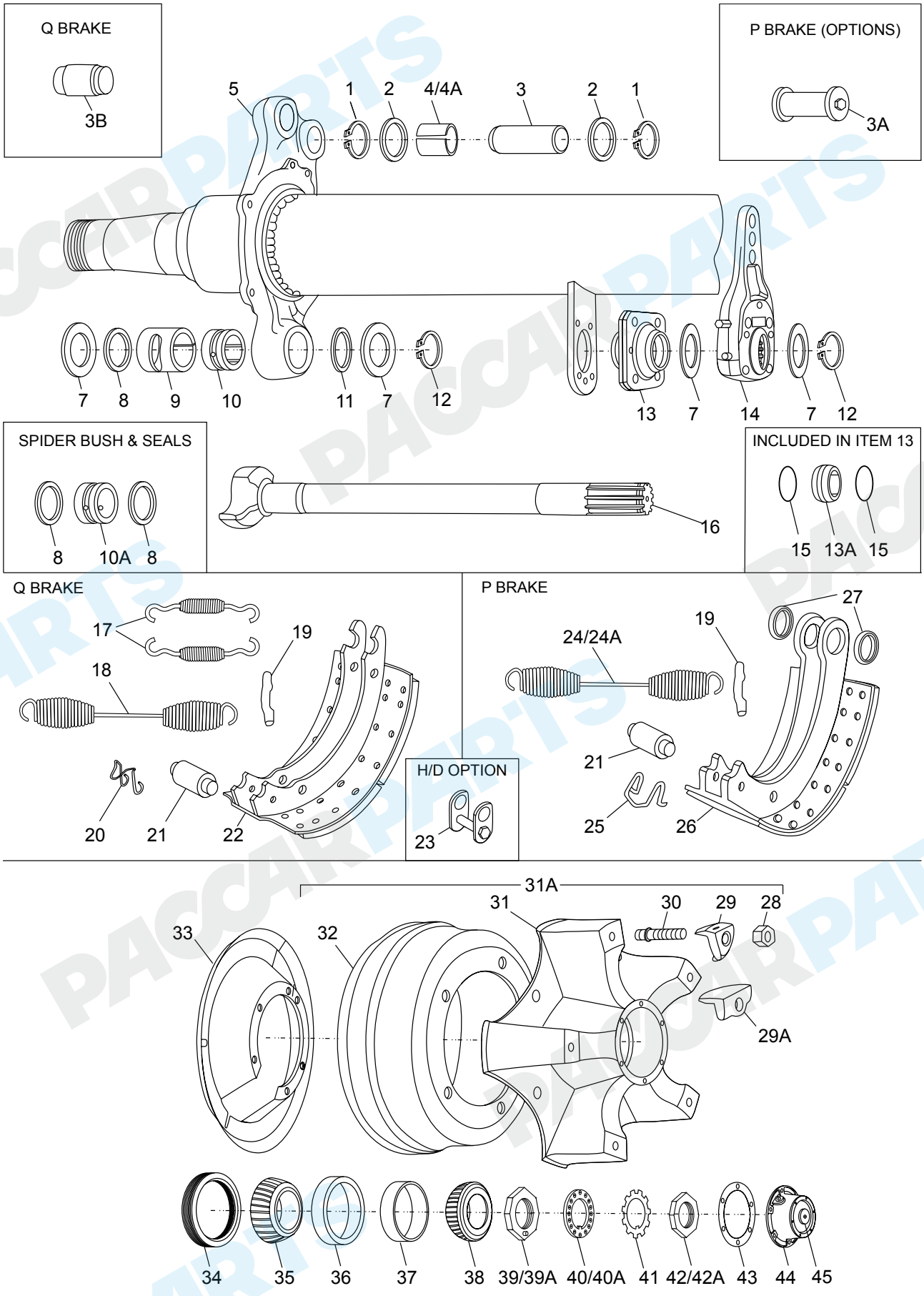
MERITOR
RUN WITH THE BULL

ROCKWELL - RN / TN AXLE
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	4
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1⁄16"	4
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
4A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
5	T02-1999	Brake Spider Flange	To Suit T02-2000 - 5 ⅛" I.D.	2
	T02-2000		Bolt On - 5 ⅝" I.D.	2
7	T02-3112	Washer	2" OD x 1-½" ID x 1⁄16"	8
8	T02-3122	Seal		4
9	T02-3114	Outer Cam Bush	RN Axle	2
10	T02-3115	Inner Cam Bush	RN Axle	2
10A	T02-3150	Outer Cam Bush TN Axle	Can Replace Item 9 &10 RN Axle	2
11	T02-3007	O-Ring		2
12	1229Z1118	Circlip	To Suit 1-½" Shaft	4
13	T02-3005	Bracket & Bush Assembly		2
13A	T02-3006	Bush	Suits 10 Spline 'S' Cam	2
14	R824000	Slack Adjuster	3 Hole, 10 Spline	2
15	T02-3007	O-Ring		4
16	T02-2003	LH 'S' Cam	10 Spline	1
	T02-2004	RH 'S' Cam		1
17	T02-3449	Return Spring	2 per Wheel Q-Brake	4
18	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
19	T02-3452	Spring Retainer		4
20	3105B210	Roller Retainer	Q-Brake	4
21	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
22	TRP214515Q	Brake Shoe Lined Meritor 'Q'		2
23	T02-3415AU	H/D Roller Retainer		4
24	T02-3451	H/D Return Spring	P-Brake	2
24A	MB7016	Extra H/D Return Spring	P-Brake	2
25	T02-3401	Roller Retainer		4
26	TRP214515P	Brake Shoe Lined Meritor 'P'		2
27	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
28	T04-6002	Wheel Nut		10
29	T04-6051	Wheel Clamp		10
29A	610-1	Wheel Clamp	Malco Type	10
30	T04-6001	Wheel Stud		10
31	KH3601/GF	5 Spoke Hub	G.P. Type	2
31A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
32	DB005TRP	Brake Drum	Use with Hub PN T04-3323	2
	DB014TRP		Use with G.P. & Malco Type Hub	
33	T02-5100	Dust Cover		2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ROCKWELL - RN / TN AXLE CONTINUED
16-½" x 7" BRAKES

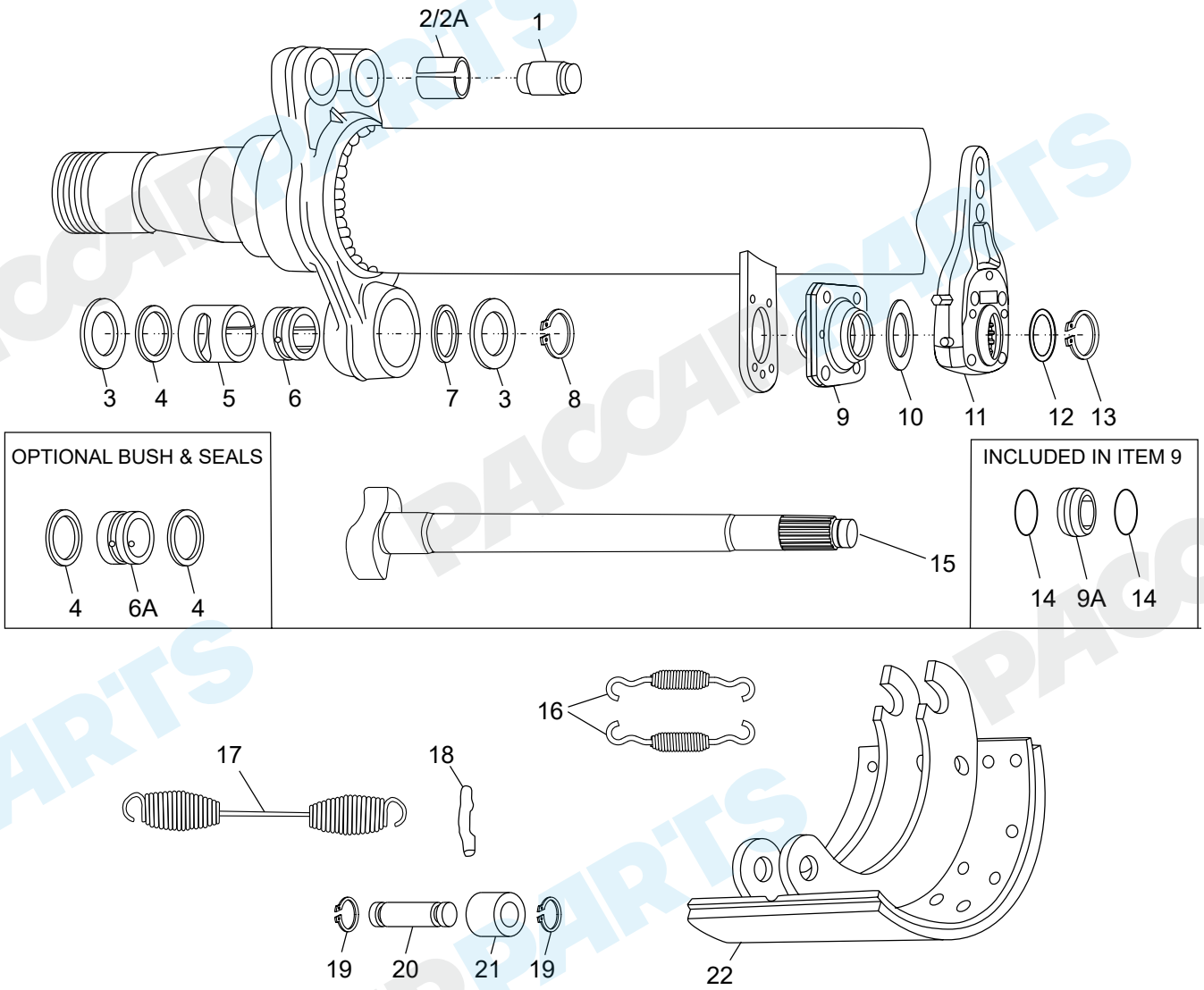


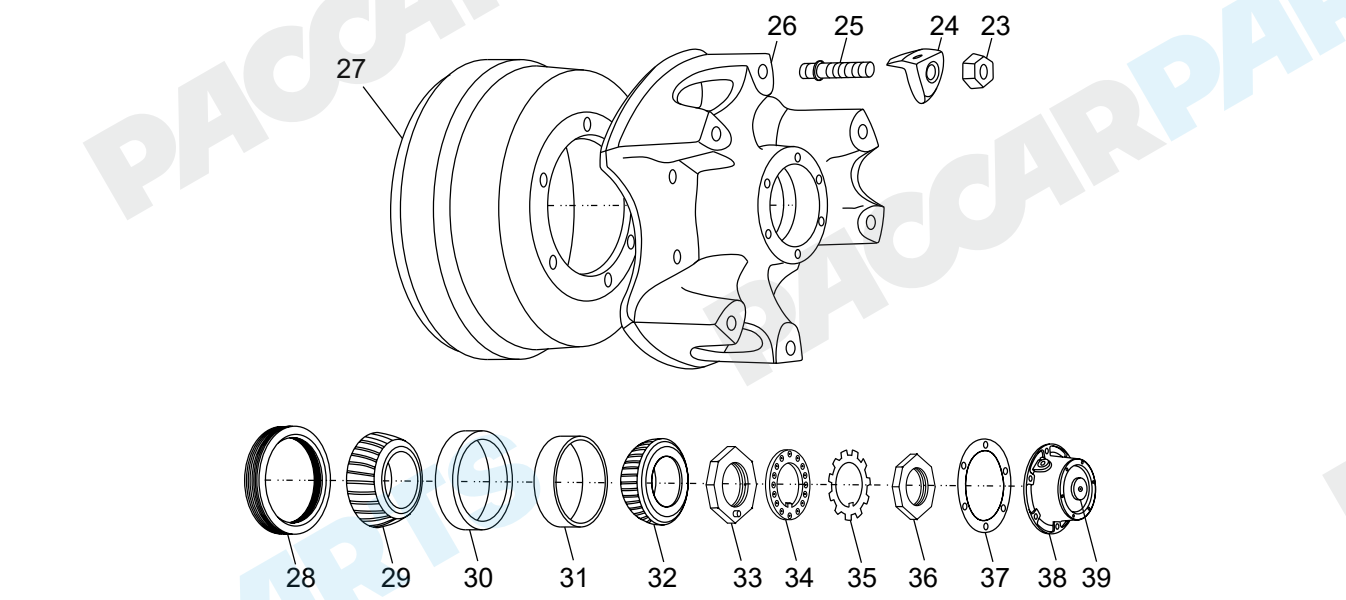
ROCKWELL - RN / TN AXLE CONTINUED
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
34	T04-STM-0743G	Axle Seal (Grease)		2
35	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN	2
36	HM218210T1M	Inner Cup		2
37	HM212011T1M	Outer Cup		2
38	HM212049T1M	Outer Cone		2
39	T04-4008	Inner Nut	Also Availlable as Kit PN T04-4011AU	2
40	T04-4007	Lock Washer		2
41	T04-8680	Lock Tab Washer		2
42	T04-4006	Outer Lock Nut		2
39A	R002128	Inner Nut	RN Axle Only	2
40A	T04-4013	Lock Washer		2
42A	T04-4012	Outer Lock Nut		2
43	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
44	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
45	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2

KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kits	T02-2300-AU	'S' Cam Bush Kit TN/TQ & Trailquip Axle	Services 1 Axle	1
	T02-2304	'S' Cam Bush Kit RN Axle (can use T02-2300-AU)		1
	T02-3110-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2

ROCKWELL TN AXLE
12-¼" x 7-½" Q BRAKES





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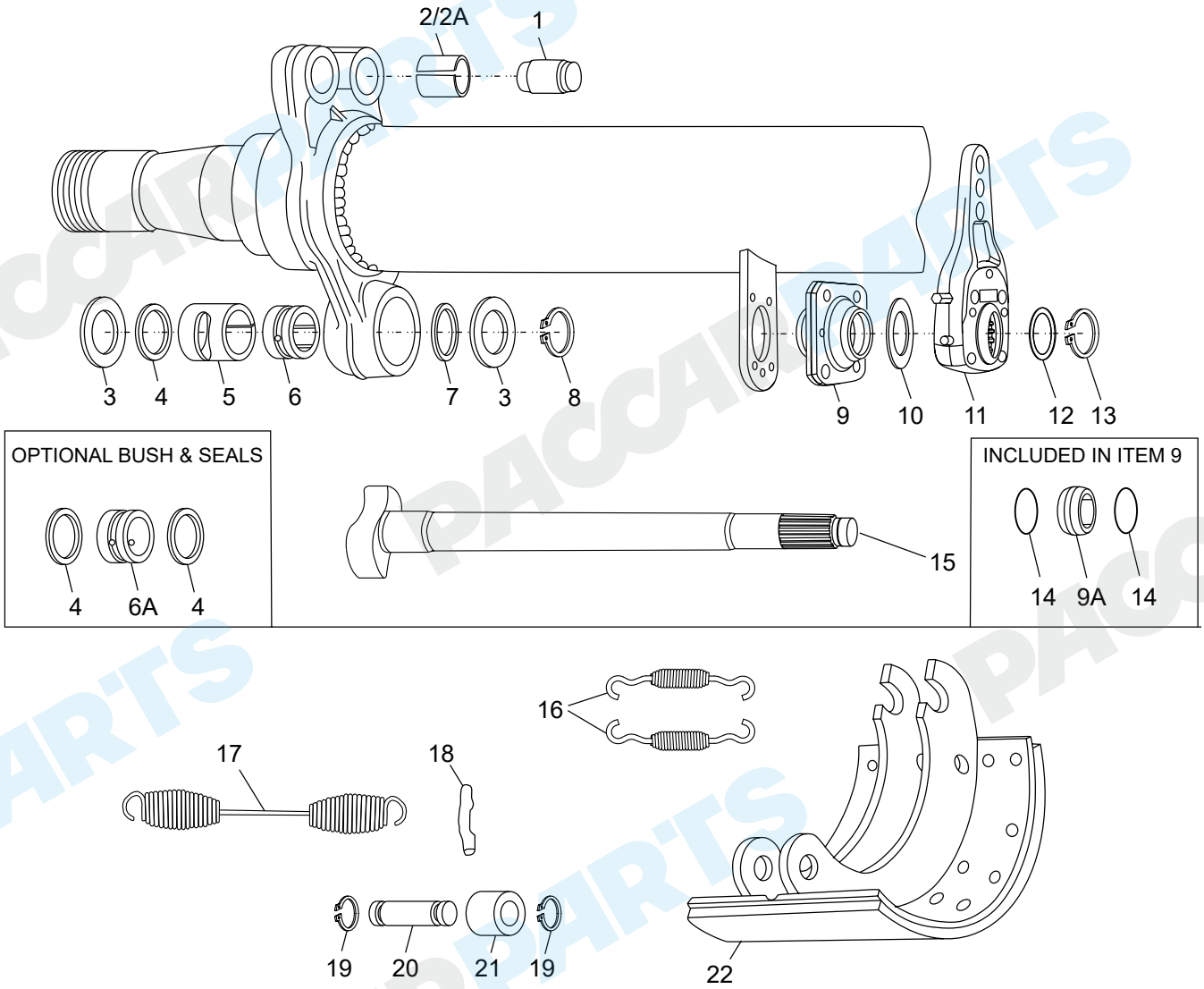
ROCKWELL TN AXLE
12-¼" x 7-½" Q BRAKES

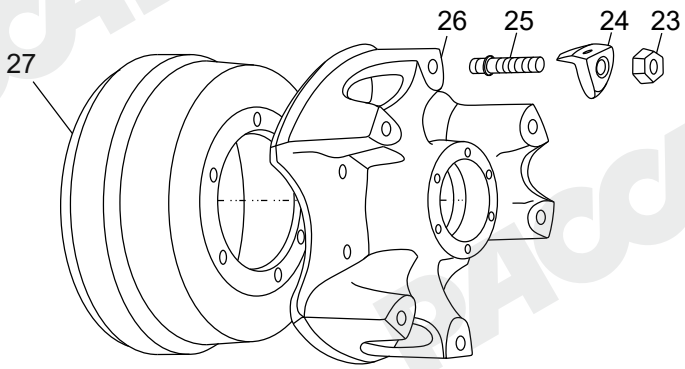
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	T02-3237AU	Q-Brake Anchor Pin		4
2	T02-3207	Anchor Pin Bush	Stainless Steel	4
2A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
3	T02-3117	Washer	2" OD x 1-⅝" ID x 1/16"	4
4	T02-3118	Seal		4
5	T02-3119	Outer Cam Bush		2
6	T02-3120	Inner Cam Bush		2
6A	T02-3151	Cam Bush	Can Replace Item 5 & 6	2
7	T02-3121	O-Ring		2
8	T02-3100	Circlip	To Suit 1-⅝" Shaft	2
9	T02-3005	Bracket & Bush Assembly		2
9A	T02-3006	Inner Cam Bush		2
10	T02-3112	Washer	2" OD x 1-½" ID x 3/64"	2
11	R824003	Slack Adjuster	3 Hole, 28 Spline	2
12	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	2
13	1229X1116	Circlip	To Suit 1-¼" Shaft	2
14	T02-3007	O-Ring		4
15	2210-C-6165	RH 'S' Cam 28 Spline		1
	2210-D-6166	LH 'S' Cam 28 Spline		1
16	T02-3449	Return Spring	2 per Wheel Q-Brake	4
17	T02-3477	H/D Return Spring	1 per Wheel Q-Brake	2
18	T02-3452	Spring Retainer		4
19	T02-3422	Circlip	To Suit ¾" Shaft	8
20	T02-3478	Pin Roller		4
21	T02-3479K	Roller		4
22	KSF5554670Q	Lined Brake Shoe		2
23	T04-6002	Wheel Nut		12
24	T04-6051	Wheel Clamp		12
25	T04-6001	Wheel Stud		12
26	KH001-7000-TN	3 Spoke Hub	(Uses Drum KH52743-11)	2
	NA	6 Spoke Hub		2
27	KH52743-11	Brake Drum	8-½" Spigot / 10" PCD Can Use KH52743-11	2
	NA		7-¼" Spigot / 8-¾" PCD	2
			7" Spigot / 8-¼" PCD	2
28	T04-STM-0743G	Axle Seal (Grease)		2
29	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN[1]	2
30	HM218210T1M	Inner Cup		2
31	HM212011T1M	Outer Cup		2
32	HM212049T1M	Outer Cone		2
33	T04-4008	Inner Nut	Also Availlable As Kit PN T04-4011AU	2
34	T04-4007	Lock Washer		2
35	T04-8680	Lock Tab Washer		2
36	T04-4006	Outer Lock Nut		2

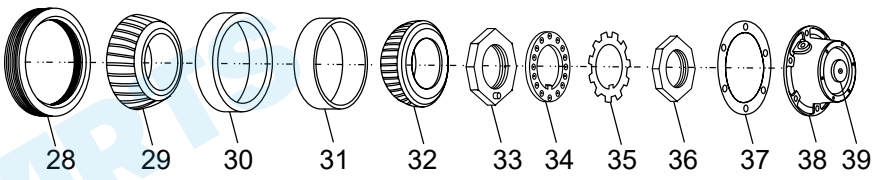
1: paccarparts.com.au/trailer

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ROCKWELL TN AXLE CONTINUED
12-¼" x 7-½" Q BRAKES





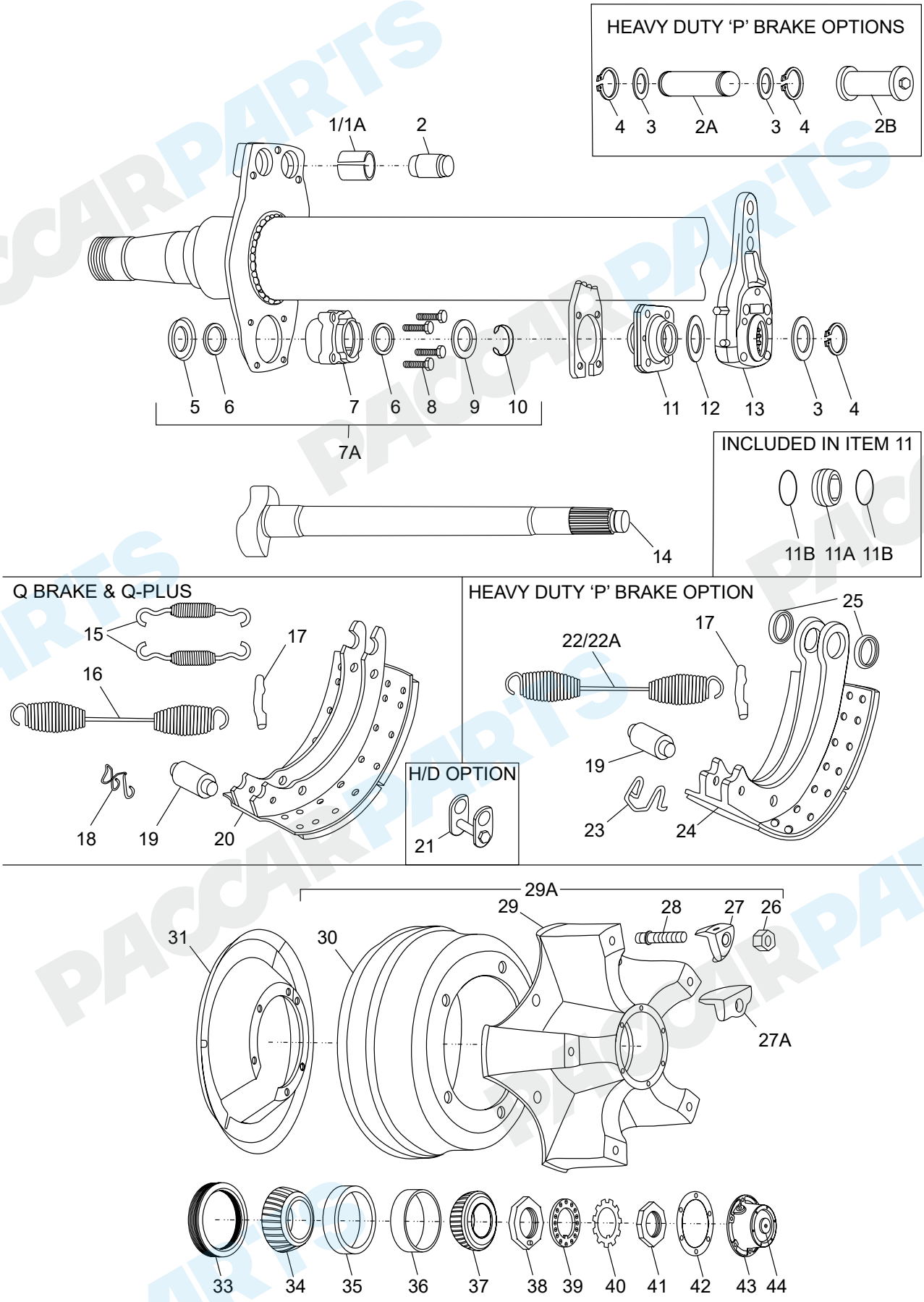


ROCKWELL TN AXLE CONTINUED
12-¼" x 7-½" Q BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
37	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
38	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	T04-4029CR 5 Hole Hub Cap	2
39	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2
KIT PART NUMBER LISTING				
Brake Hardware Kits	T02-2407	H/D Brake Kit	Services 1 Wheel	2
S-Cam Repair Kits	T02-2303-AU	'S' Cam Bush Kit (2 Piece Spider Bush, Can Use T02-2322)	Services 1 Axle	1
	T02-2322	'S' Cam Bush Kit (Single Spider Bush)		1
	T02-3111-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	1
Hub & Drum Assembly	KH001-70003	3 Spoke Hub & Drum Assembly		2

ROCKWELL TN/TQ AXLE

FABRICATED BRAKE SPIDER 16-½" x 7" BRAKES



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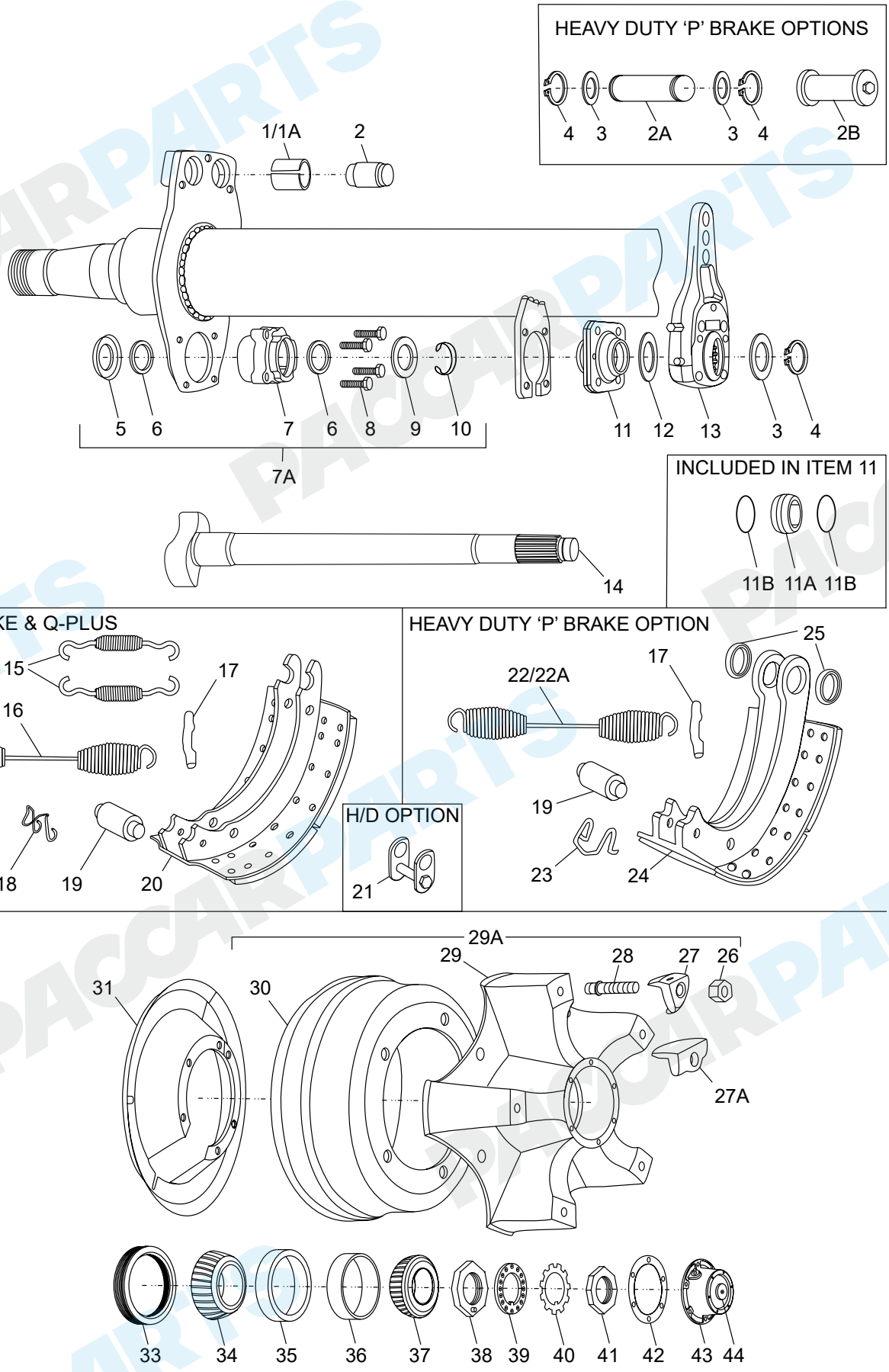
ROCKWELL TN/TQ AXLE
FABRICATED BRAKE SPIDER 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	T02-3207	Anchor Pin Bush	Stainless Steel	4
1A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
2	T02-3237AU	Q-Brake Anchor Pin		4
2A	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
2B	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	8
4	1229X1116	Circlip	To Suit 1-¼" Shaft	8
5	T02-3094	Cam Head Washer	Cup Type	2
6	T02-3118	Seal		4
7	A3105L1078	Cam Bush		2
7A	T02-2230	Bush Kit	Includes Items 5-10	2
8	NA	Bolt	Use Bush Kit T02-2230	8
9	T02-3095	Washer	2-⅜" OD x 1-⅝" ID x 3/32"	2
10	T02-3093	Snap Ring		2
11	T02-3005	Bracket & Bush Assembly		2
11A	T02-3006	Bush		2
11B	T02-3007	O-Ring		4
12	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	2
13	R824003	Slack Adjuster	3 Hole, 28 Spline	2
14	T02-2069	LH 'S' Cam	28 Spline x 24-1/16"	1
	T02-2070	RH 'S' Cam		1
	T02-2071	LH 'S' Cam	28 Spline x 20-13/32"	1
	T02-2072	RH 'S' Cam		1
15	T02-3449	Return Spring	2 per Wheel Q-Brake	4
16	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
17	T02-3452	Spring Retainer		4
18	3105B210	Roller Retainer	Q-Brake	4
19	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
20	TRP214515Q	Lined Brake Shoe	Meritor Drive 'Q'	2
	TRP214707QP		Meritor Drive 'Q Plus'	2
21	T02-3415AU	H/D Roller Retainer		4
22	T02-3451	H/D Return Spring	P-Brake	2
22A	MB7016	Extra H/D Return Spring	P-Brake	2
23	T02-3401	Roller Retainer		4
24	TRP214515P	Lined Brake Shoe	Meritor Drive 'P'	2
25	T02-3302AU	Support Washer	Used With Extended Anchor Pins	8
26	T04-6002	Wheel Nut		10
27	T04-6051	Wheel Clamp		10
27A	610-1	Wheel Clamp	Malco Type	10
28	T04-6001	Wheel Stud		10
29	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Malco Type	2
29A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
	NA		Malco Type	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ROCKWELL TN/TQ AXLE CONTINUED

FABRICATED BRAKE SPIDER 16-½" x 7" BRAKES



MERITOR
RUN WITH THE BULL

ROCKWELL TN/TQ AXLE CONTINUED
FABRICATED BRAKE SPIDER 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	DB014TRP	Brake Drum	Use With G.P. & Malco Type Hub	2
31	E-9095A	Dust Cover	Use Bolt Kit T02-5103	2
33	T04-STM-0743G	Axle Seal (Grease)		2
34	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN[1]	2
35	HM218210T1M	Inner Cup		2
36	HM212011T1M	Outer Cup		2
37	HM212049T1M	Outer Cone		2
38	T04-4008	Inner Nut	Also Availlable As Kit PN T04-4011AU	2
39	T04-4007	Lock Washer		2
40	T04-8680	Lock Tab Washer		2
41	T04-4006	Outer Lock Nut		2
42	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
43	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
44	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2

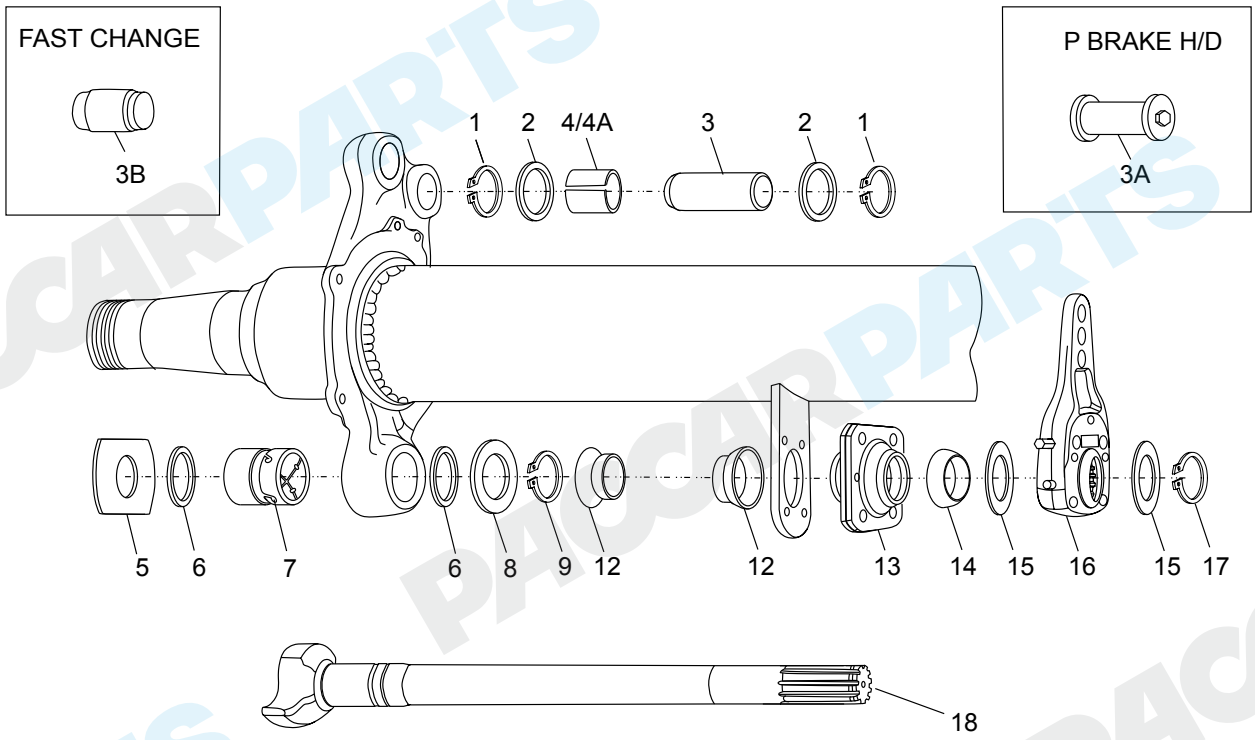
KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kit	T02-2307	'S' Cam Bush Kit	(Contains 2 x Items 3, 4, 7, 11 & 12) Service 1 Axle	1

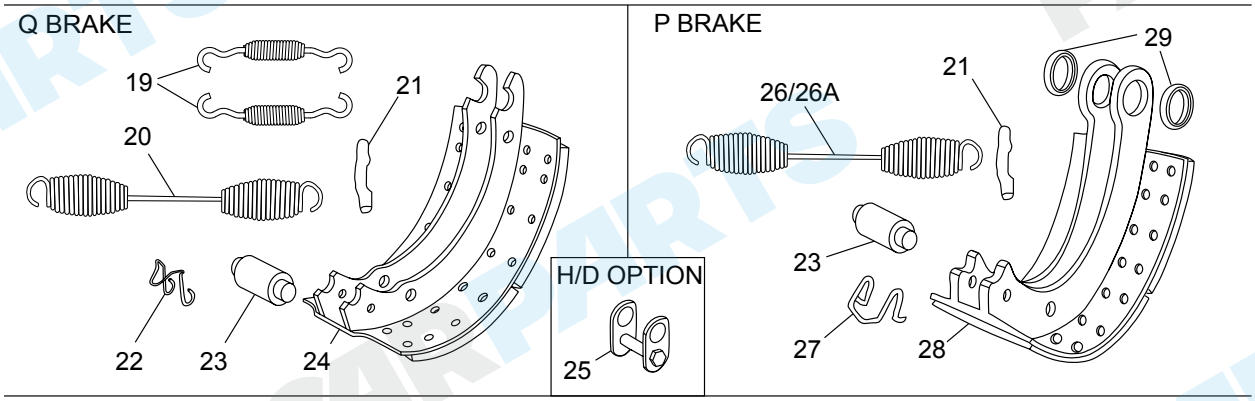
1: paccarparts.com.au/trailer

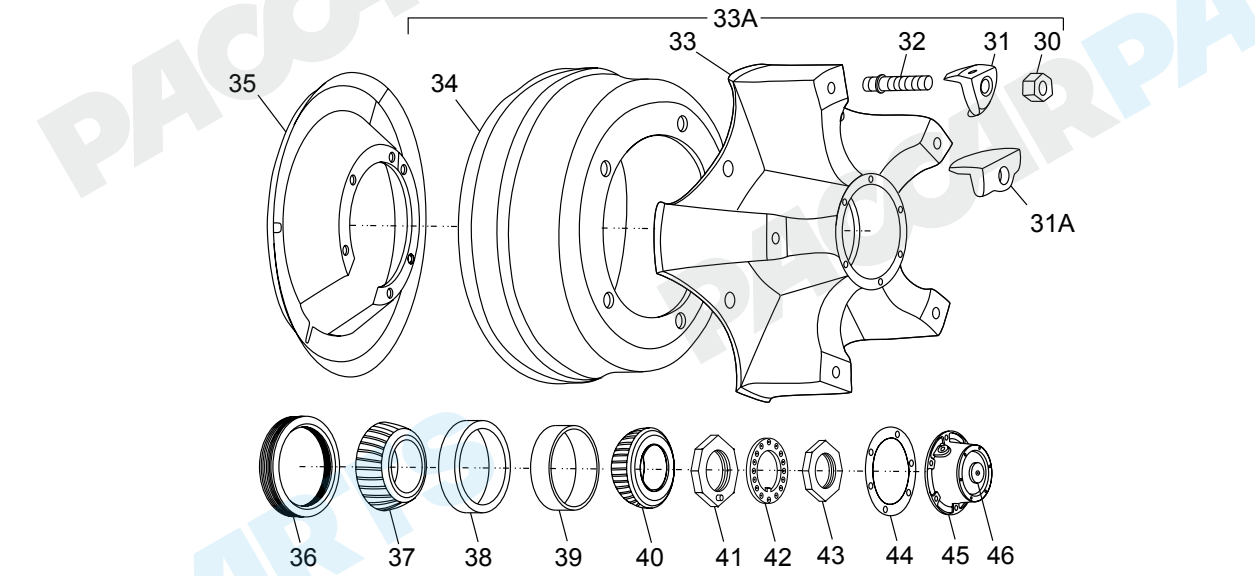
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R.O.R TN METRIC AXLE

CAST BRAKE SPIDER/STEPPED CAMSHAFTS (TO JUNE 1991) 16-½" x 7" BRAKES



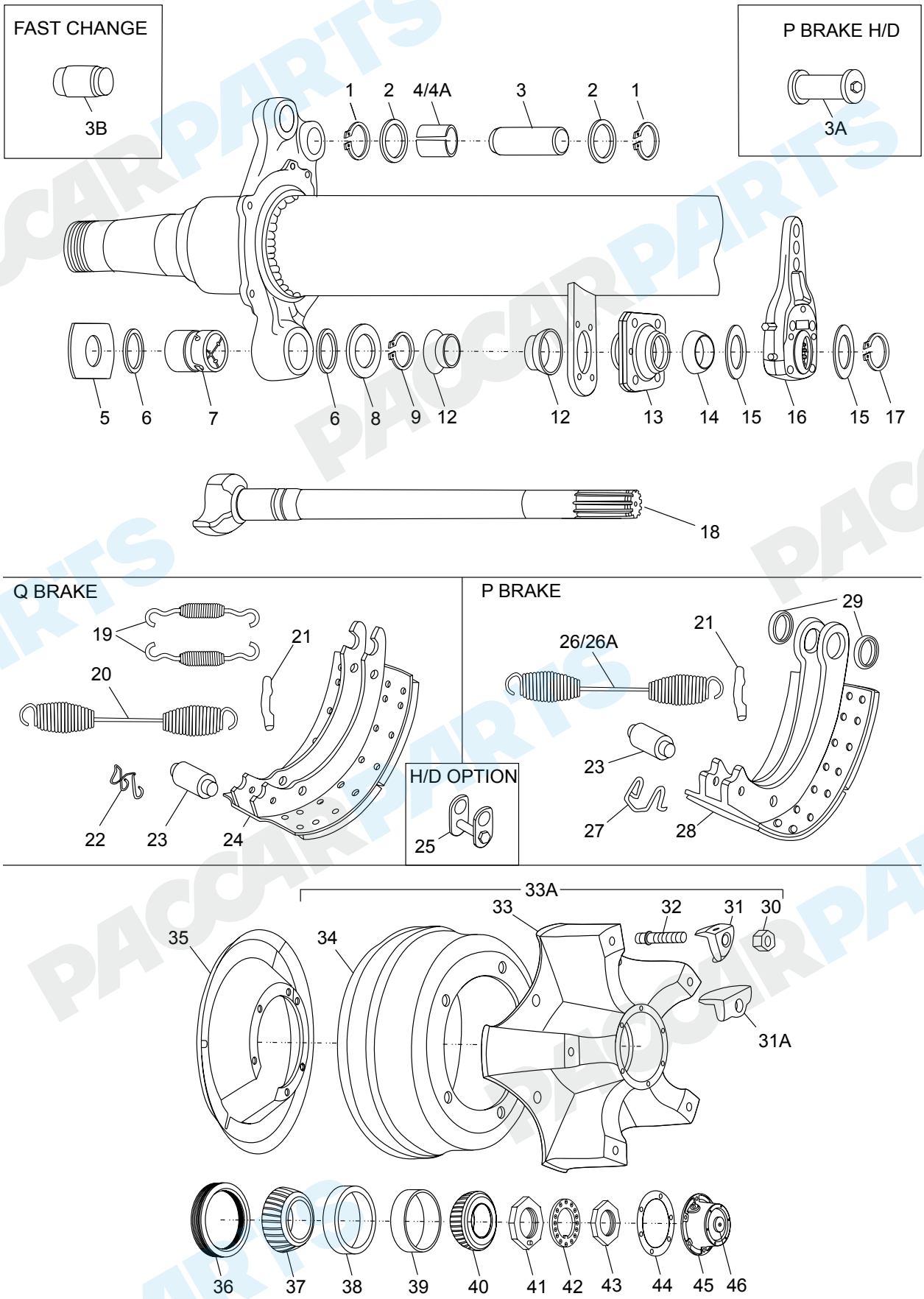




R.O.R TN METRIC AXLE
CAST BRAKE SPIDER/STEPPED CAMSHAFTS (TO JUNE 1991) 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1⁄16"	8
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
4A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
5	T02-3096	'D' Washer		2
6	T02-3175	O-Ring		4
7	NSS	Outer Cam Bush	Included in S-Cam Bush Kit T02-2312	2
8	T02-3117	Washer	2" OD x 1-⅝" ID x 1⁄16"	2
9	T02-3100	Circlip	To Suit 1-⅝" Shaft	2
12	NSS	Dust Boot	Included in S-Cam Bush Kit	4
13	15213430	Bracket & Bush Assembly	Same as T02-3005 with ½" MTG Holes	2
14	NSS	Dust Boot (Short)	Included in S-Cam Bush Kit	2
15	T02-3102	Washer	2 ¼" OD x 1-½" ID x 1⁄16"	4
16	R824000	Slack Adjuster	3 Hole, 10 Spline	2
17	1229Z1118	Circlip	To suit 1-½" shaft	2
18	21219257S	LH 'S' Cam	20.5" 10 Spline	1
	21219258S	RH 'S' Cam	20.5" 10 Spline	1
19	T02-3449	Return Spring	2 per Wheel Q-Brake	4
20	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
21	T02-3452	Spring Retainer		4
22	E-3227	Roller Retainer	Q-Brake	4
23	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
24	TRP214515Q	Brake Shoe Lined Meritor 'Q'		2
25	T02-3415AU	H/D Roller Retainer		4
26	MB7016	Extra H/D Return Spring	P-Brake	2
26A	T02-3451	H/D Return Spring	P-Brake	2
27	T02-3401	Roller Retainer		4
28	TRP214515P	Brake Shoe Lined Meritor 'P'		2
29	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
30	T04-6002	Wheel Nut		10
31	T04-6051	Wheel Clamp		10
31A	610-1	Wheel Clamp	Malco Type	10
32	T04-6001	Wheel Stud		10
33	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Rockwell Type with 11-¼" Spigot	2
33A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
34	DB005TRP	Brake Drum	With 11-¼" Spigot	2
	DB014TRP		With 9-7⁄16" Spigot	2

R.O.R TN METRIC AXLE CONTINUED
CAST BRAKE SPIDER/STEPPED CAMSHAFTS (TO JUNE 1991) 16-½" x 7" BRAKES



R.O.R TN METRIC AXLE CONTINUED
CAST BRAKE SPIDER/STEPPED CAMSHAFTS (TO JUNE 1991) 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
35	21224522	Dust Cover	PN 15224518 To Fit Backing Plate	2
36	T04-STM-0743G	Axle Seal (Grease)		2
37	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN[1]	2
38	HM218210T1M	Inner Cup		2
39	HM212011T1M	Outer Cup		2
40	HM212049T1M	Outer Cone		2
41	T04-4092	Inner Nut	Also Availlable as Kit PN AXL105	2
42	T04-4091	Lock Washer		2
43	T04-4093	Outer Lock Nut		2
44	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
45	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	T04-4029CR 5 Hole Hub Cap	2
46	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2

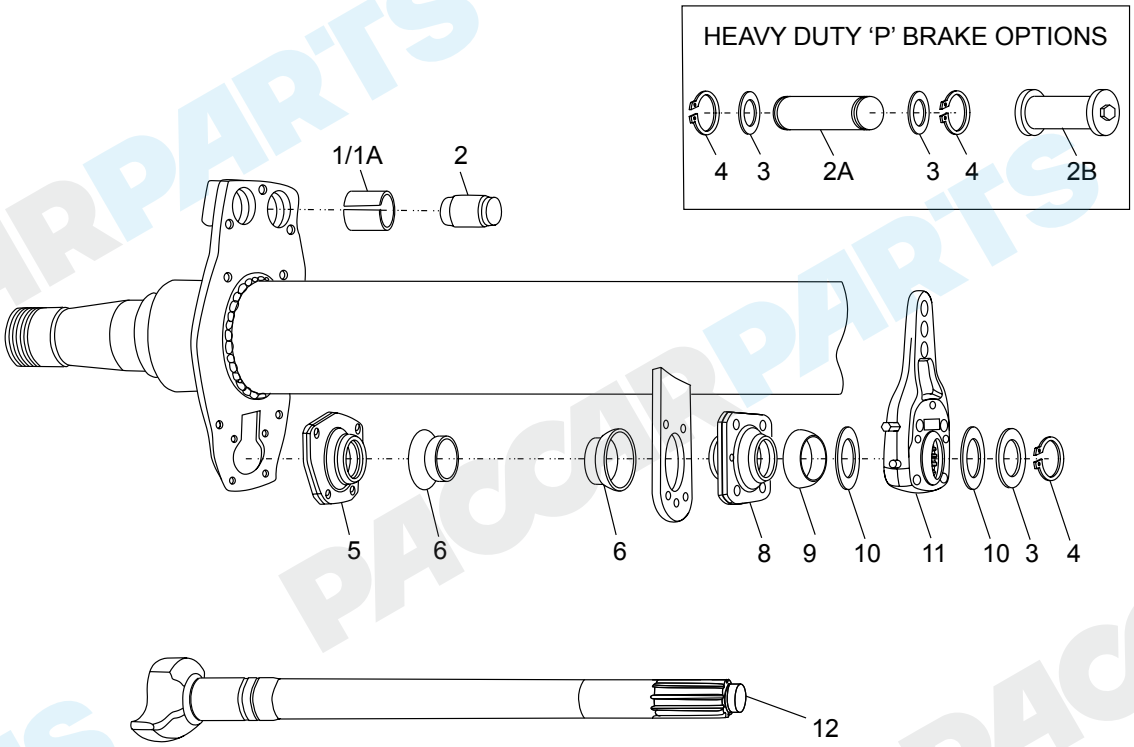
KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kit	T02-2312	'S' Cam Bush Kit	Services 1 'S'Cam	2
Axle Nut Kit	AXL105	Axle Nut Kit - contains Item 41-43	Services 1 Wheel	2

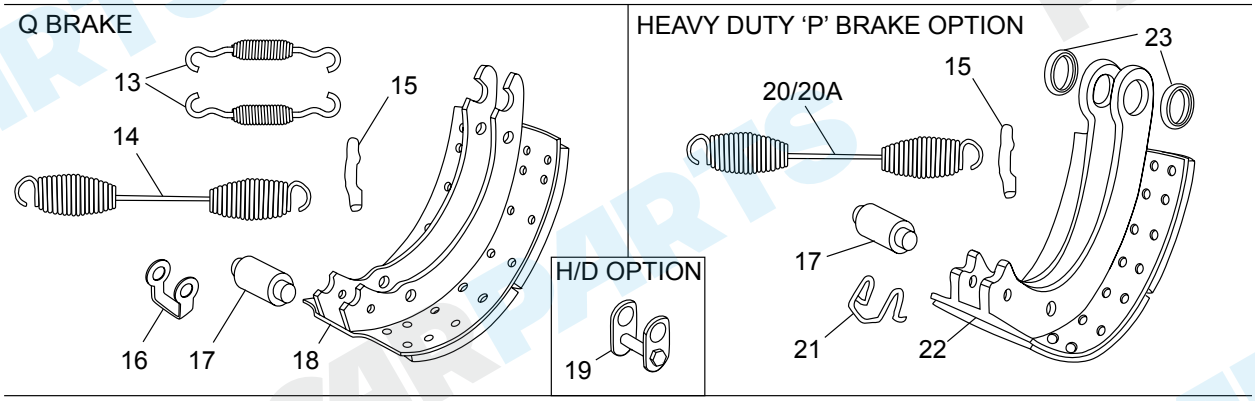
1: paccarparts.com.au/trailer

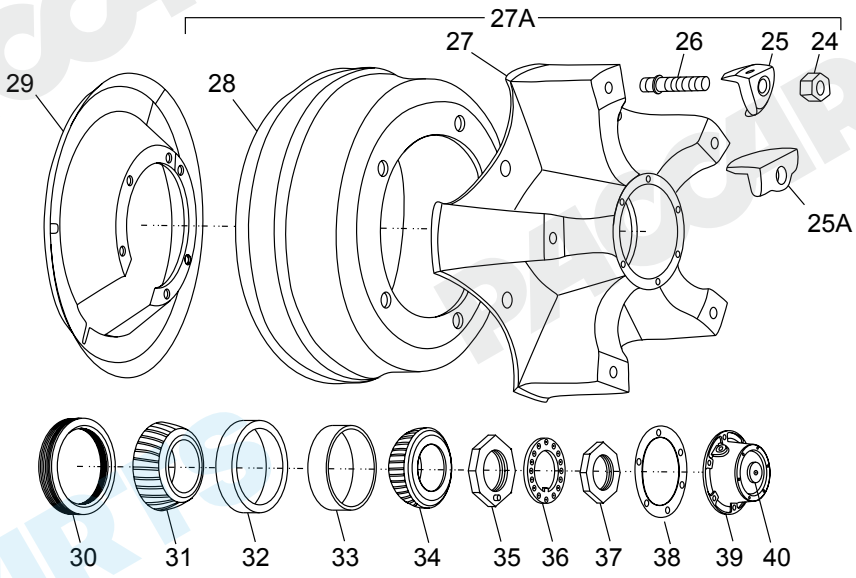
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

R.O.R TN METRIC AXLE

FABRICATED BRAKE SPIDER/STEPPED CAMSHAFTS (FROM JUNE 1991) 16-½" x 7" BRAKES





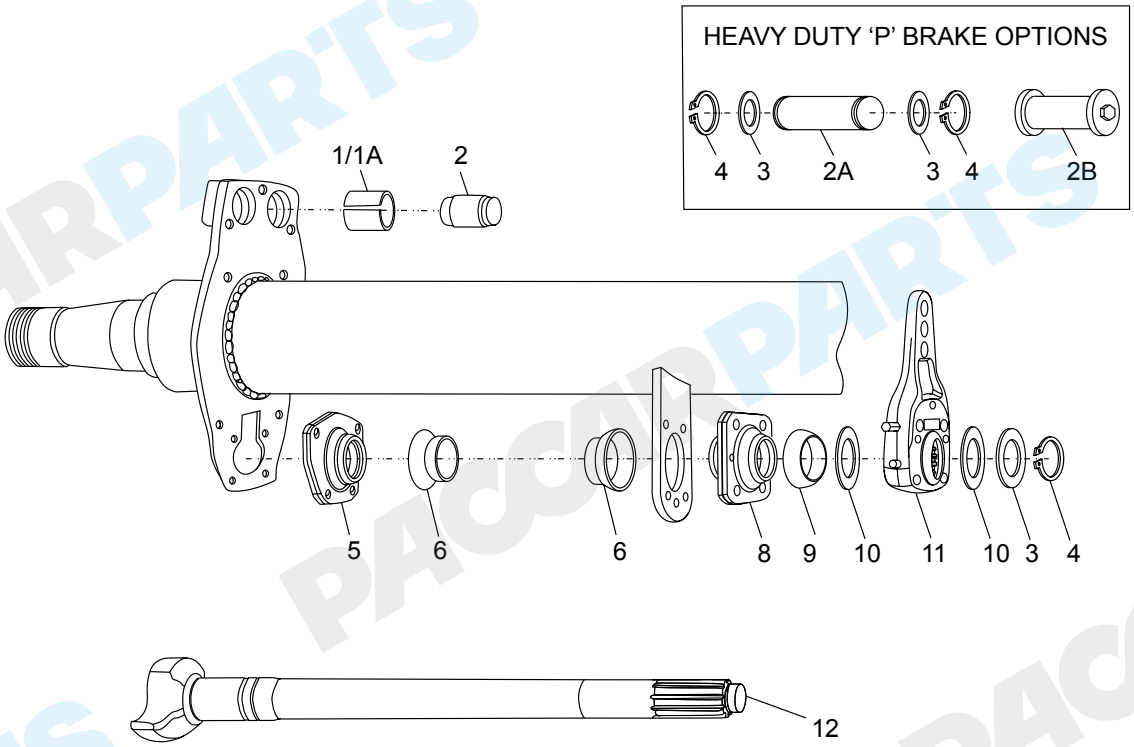


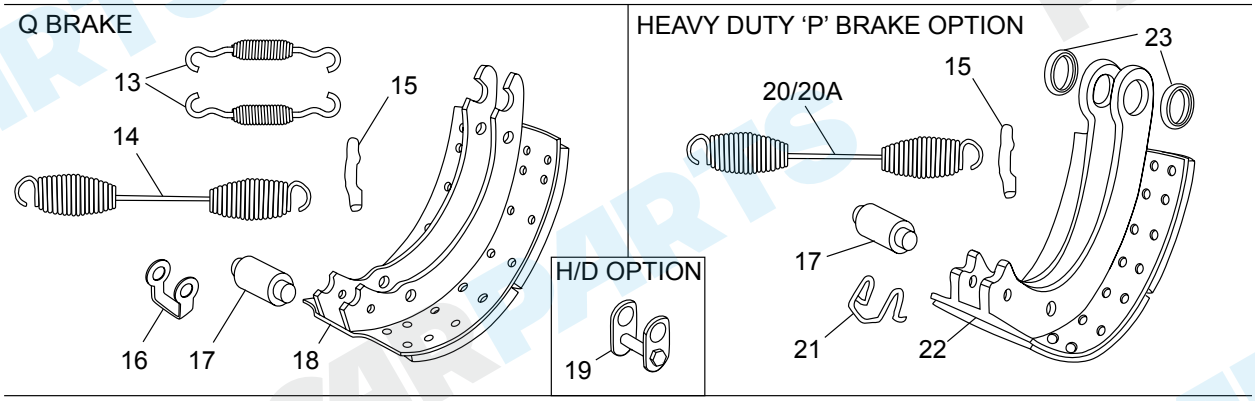
R.O.R TN METRIC AXLE
FABRICATED BRAKE SPIDER/STEPPED CAMSHAFTS (FROM JUNE 1991) 16-½" x 7" BRAKES

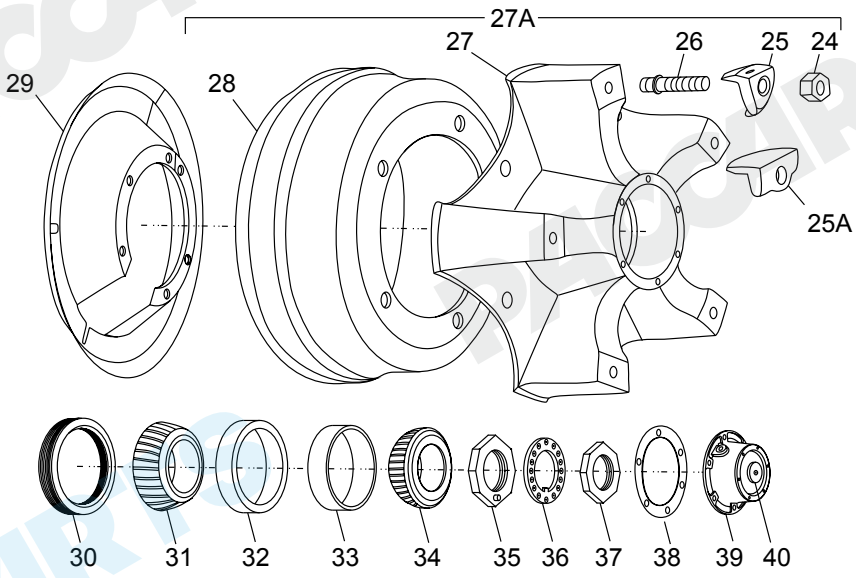
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	T02-3207	Anchor Pin Bush	Stainless Steel	4
1A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
2	T02-3237AU	Q-Brake Anchor Pin		4
2A	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN: T02-3198	4
2B	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN: T02-3304AU	4
3	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	8
4	1229X1116	Circlip	To Suit 1-¼" Shaft	8
5	T02-2230	Outer Cam Bush Assy	US Meritor Style	2
	NA		Has an Internal Circlip	2
6	NSS	Dust Boot	Included in S-Cam Bush Kit	4
8	15213430	Bracket & Bush assy	Same as T02-3005 With ½" Mounting Holes	2
9	NSS	Dust Boot (Short)	Included in S-Cam Bush Kit	2
10	T02-3102	Washer	2 ¼" OD x 1-½" ID x 1/16"	4
11	R824000	Slack Adjuster	3 Hole, 10 Spline	2
12	21221070S	RH 'S' Cam	22.5" 10 Spline	1
	21221071S	LH 'S' Cam		1
13	T02-3449	Return Spring	2 per Wheel Q-Brake	4
14	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
15	T02-3452	Spring Retainer		4
16	E-3227	Roller Retainer	Q-Brake	4
17	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
18	TRP214515Q	Brake Shoe Lined Meritor 'Q'		2
19	T02-3415AU	H/D Roller Retainer		4
20	MB7016	Extra H/D Return Spring	P-Brake	2
20A	T02-3451	H/D Return Spring	P-Brake	2
21	T02-3401	Roller Retainer		4
22	TRP214515P	Brake Shoe Lined Meritor 'P'		2
23	T02-3302AU	Support Washer	Used With Extended Anchor Pins	8
24	T04-6002	Wheel Nut		10
25	T04-6051	Wheel Clamp		10
25A	610-1	Wheel Clamp	Malco Type	10
26	T04-6001	Wheel Stud		10
27	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Rockwell Type with 11-¼" Spigot	2
27A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
28	DB005TRP	Brake Drum	With 11-¼" Spigot	2
	DB014TRP		With 9-7/16" Spigot	2
29	NA	Dust Cover		2
30	T04-STM-0743G	Axle Seal (Grease)		2
31	HM218248T1M	Inner Cone	Refer Bearing Table for Set PN	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

FABRICATED BRAKE SPIDER/STEPPED CAMSHAFTS (FROM JUNE 1991) 16-½" x 7" BRAKES







MERITOR
RUN WITH THE BULL

R.O.R TN METRIC AXLE CONTINUED
FABRICATED BRAKE SPIDER/STEPPED CAMSHAFTS (FROM JUNE 1991) 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
32	HM218210T1M	Inner Cup	Refer Bearing Table for Set PN[1]	2
33	HM212011T1M	Outer Cup		2
34	HM212049T1M	Outer Cone		2
35	T04-4092	Inner Nut	Also Availlable As Kit PN AXL105	2
36	T04-4091	Lock Washer		2
37	T04-4093	Outer Lock Nut		2
38	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
39	98846-046P	6 Hole Hub Cap	Grease Hub	2
	HA4009	6 Hole Stemco Hub Cap	T04-4029ST 5 Hole Hub Cap - Stemco PN 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	T04-4029CR 5 Hole Hub Cap	2
40	450434	Plug	CR Cap	2
	HP4009		Stemco Cap PN 359-5990	2

KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kit	T02-2313	'S' Cam Bush Kit	Services 1 'S' Cam	2
Axle Nut Kit	AXL105	Axle Nut Kit - contains Item 41-43	Services 1 Wheel	2

1: paccarparts.com.au/trailer

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T360





T610 SERIES

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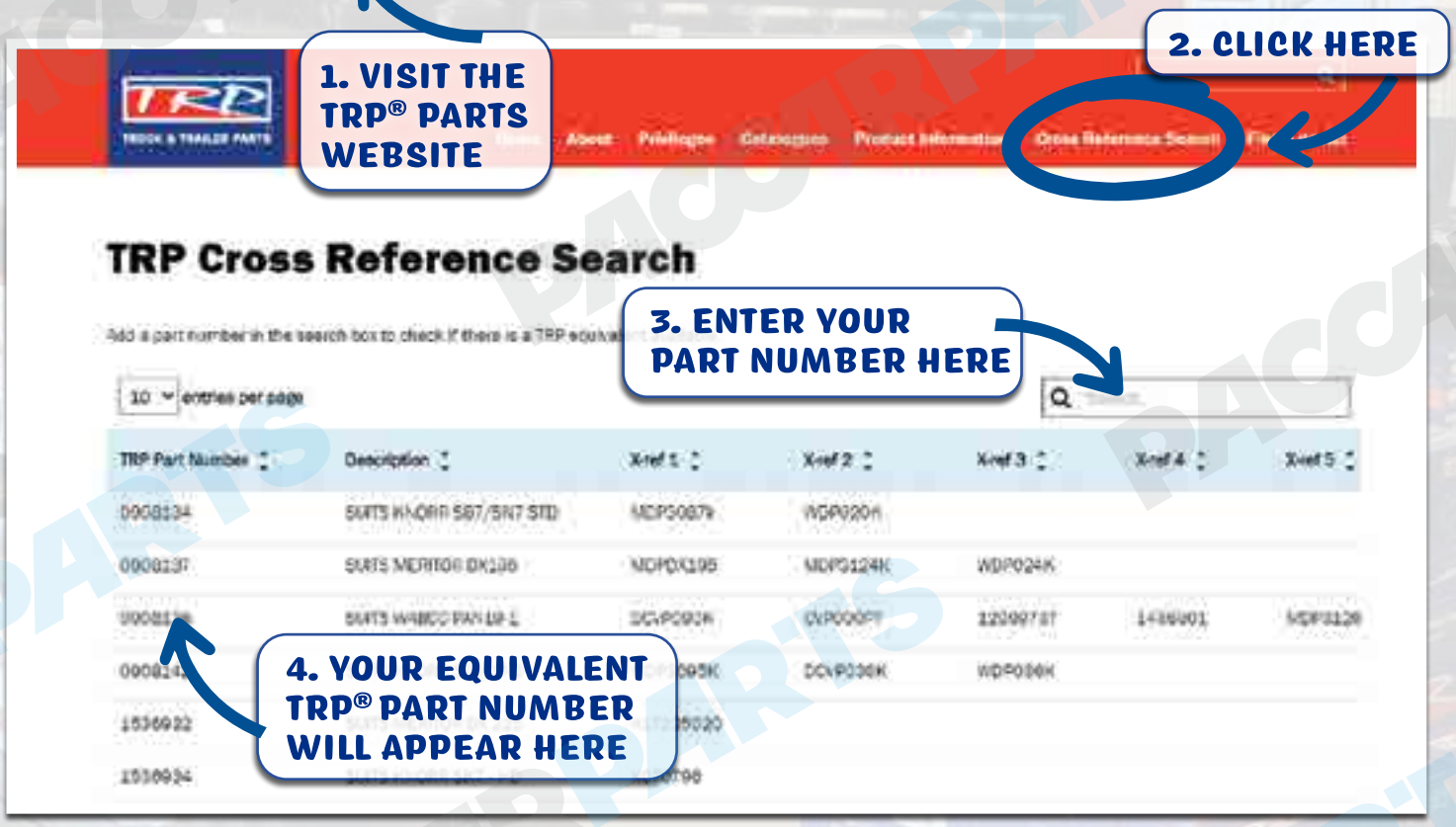
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SCAN ME

EARLY TRAILER AXLES

GENERAL PURPOSE AXLES (EARLY) 306
HAULMARK/MCGRATH/ROCKWELL
TL/RUBERY OWEN AXLE - 16-½" x 7" BRAKES

DANA SPICER AXLE IDENTIFICATION 310

DANA SPICER - D21, D22, K21 & K22 312
16-½" x 7" BRAKES

DANA SPICER - EARLY/STANDARD FORGE 316
12-¼" x 7-½" BRAKES (CAST SHOES)

DANA SPICER - LATE/STANDARD FORGE 320
12-¼" x 7-½" BRAKES (FABRICATED SHOES)

FREIGHTER INGERSOLL(IMT) - A22H/F22H AXLE 324
16-½" x 7" BRAKES

FREIGHTER MK-V 328
16-½" x 7" BRAKES

KIC SUDISA 10000 SERIES AXLE 330
HDTE / KRUEGER / RFS AXLES
16-½" x 7" BRAKES

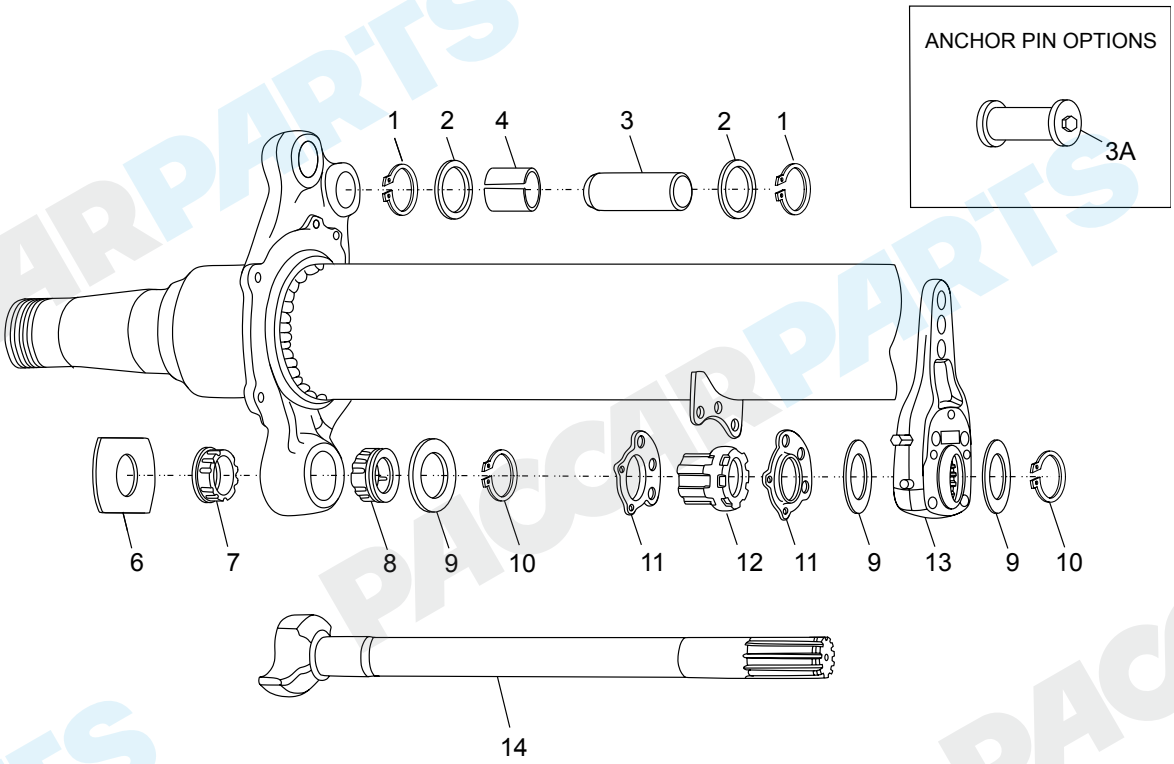
KIC SUDISA 11000 SERIES AXLE 334
HDTE / KRUEGER / RFS AXLES
16-½" x 7" BRAKES

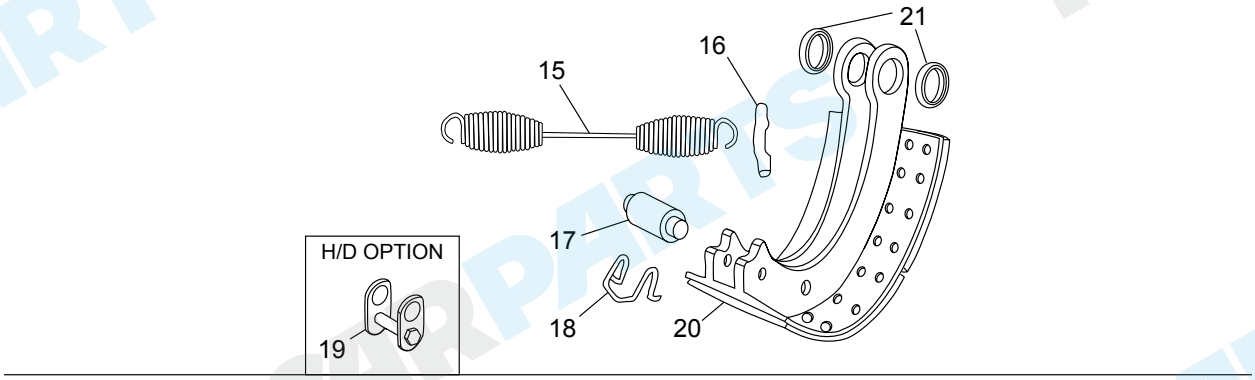
FRUEHAUF PROPAR AXLE 338
16-½" x 7" BRAKES

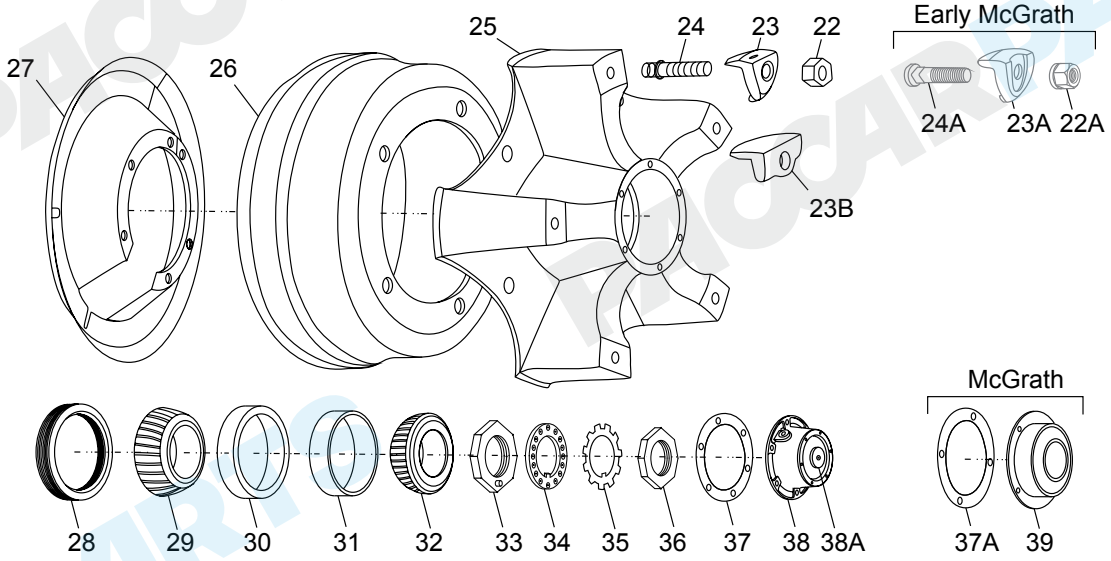
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GENERAL PURPOSE AXLES (EARLY)
HAULMARK/MCGRATH/ROCKWELL TL/RUBERY OWEN AXLE
16-½" x 7" BRAKES





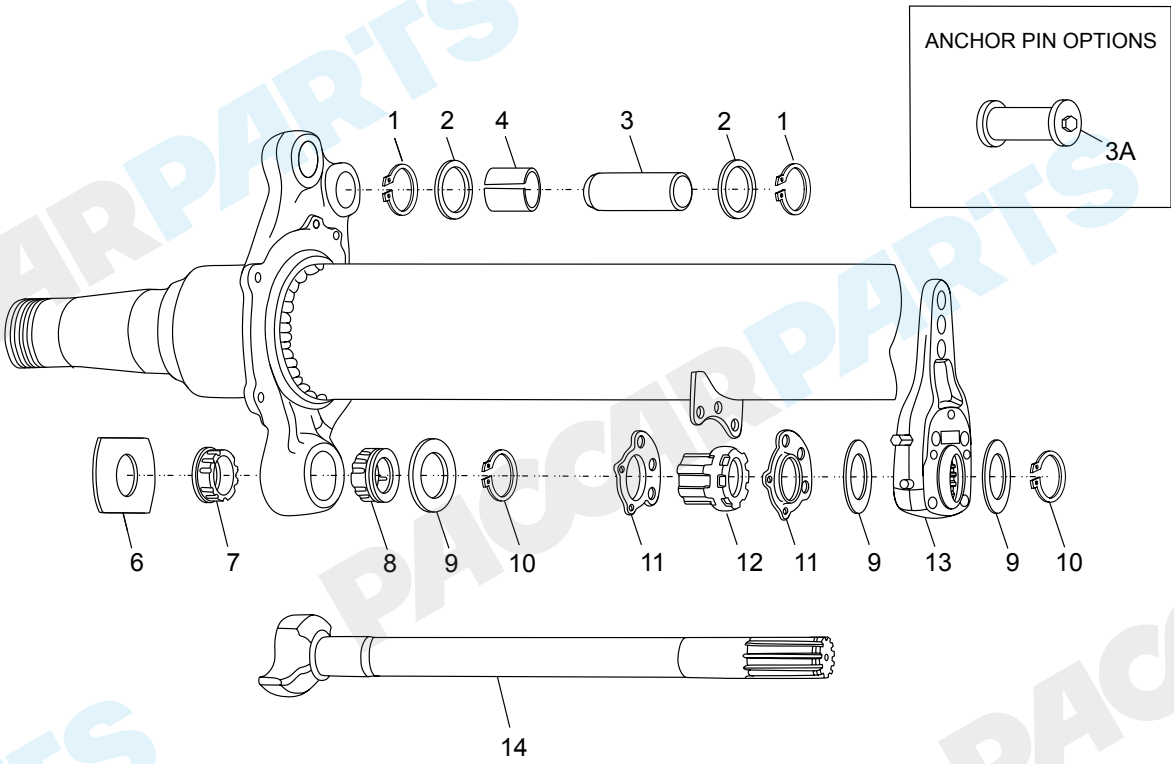


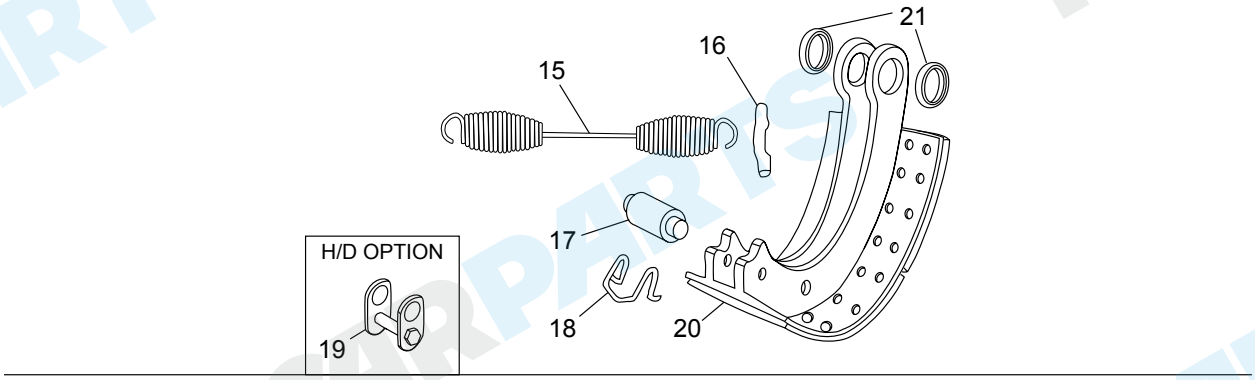
GENERAL PURPOSE AXLES (EARLY)
HAULMARK/MCGRATH/ROCKWELL TL/RUBERY OWEN AXLE 16-½" x 7" BRAKES

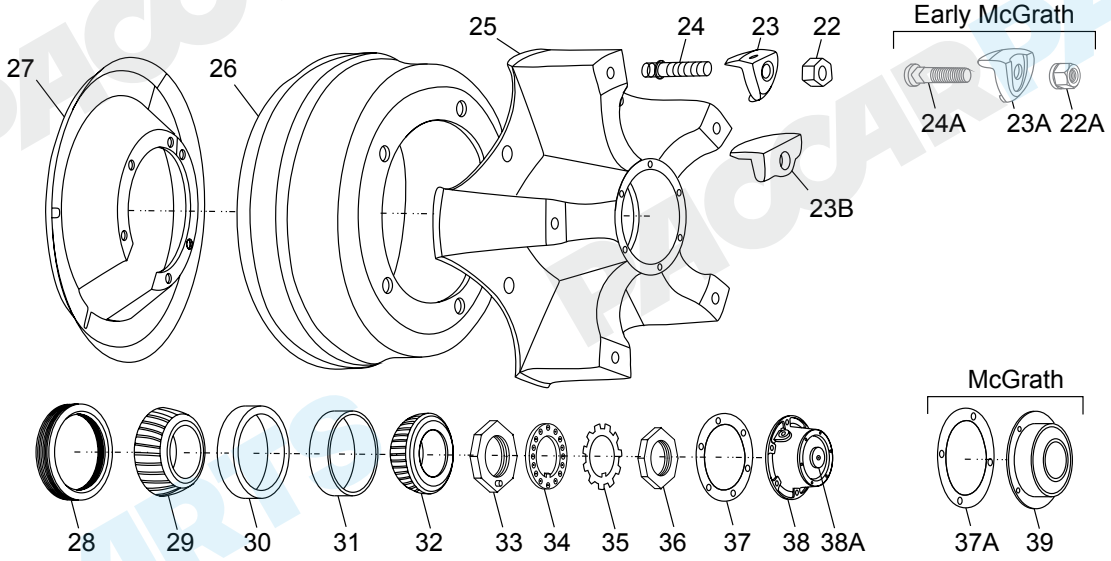
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1⁄16"	8
3	T02-3199	P-Brake Anchor Pin	Circlip (Extn typeT02-3198)	4
3A	T02-3200AU	P-Brake Anchor Pin	Bolt on (Extn typeT02-3304)	4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
	T02-3207B		Bronze Lined	4
6	T02-3101	'D' Washer		2
7	T02-2201/02	Bush S-Cam Spider	Outer White Nylon	2
8	T02-2201/02	Bush S-Cam Spider	Inner Yellow Nylon	2
9	T02-3102	Washer	2-¼" OD x 1-½" ID x 1⁄16"	6
10	1229Z1118	Circlip	To Suit 1-½" Shaft	4
11	T02-3002	Retainer Plate		4
12	T02-2101	Inner Cam Bush		2
13	R824000	Slack Adjuster	3 Hole, 10 Spline	2
14	T02-2003	LH 'S' Cam		1
	T02-2004	RH 'S' Cam		1
15	MB7016	Extra H/D Return Spring		2
	T02-3451	H/D Return Spring		2
16	T02-3452	Spring Retainer		4
17	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
18	T02-3401	Roller Retainer		4
19	T02-3415AU	H/D Roller Retainer		4
20	TRP214515P	Brake Shoe Kit		2
21	T02-3302AU	Support Washer	Used with extension anchor pins	8
22	T04-6002	Wheel Nut	G.P. & Late McGrath	10
22A	T04-6007AU	Wheel Nut	Early McGrath	10
23	T04-6051	Wheel Clamp	G.P.	10
23A	T04-6054		Early McGrath	10
23B	610		Late McGrath	10
24	T04-6001	Wheel Stud	G.P. & Late McGrath	10
24A	T04-6003	Wheel Stud	Early McGrath	10
25	TX745K	5 Spoke Hub	G.P. Uses 653T1M Inner Cup	2
	NA	6 Spoke Hub	McGrath Uses 653T1M Inner Cup	2
26	DB014TRP	Brake Drum	Suits G.P. Hub 9-7⁄16" Spigot	2
	M906105		Suits McGrath 9" Spigot	2
27	T02-5100	Dust Cover		2
28	T04-STM-0713G	Axle Seal (Grease)	Used with 663 Inner Cone	2
	T04-STM-0744G		Used with 665A Inner Cone	2
29	SET405T1M	Inner Cone I/D 3-¼"	Contains 663T1M and 653T1M	2
	665AT1M	Inner Cone I/D 3-⅜"	Uses 653T1M cup	2
30	SET405T1M	Inner Cup	Contains 663T1M and 653T1M	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

HAULMARK/MCGRATH/ROCKWELL TL/RUBERY OWEN AXLE 16-½" x 7" BRAKES







GENERAL PURPOSE AXLES (EARLY) CONTINUED
HAULMARK/MCGRATH/ROCKWELL TL/RUBERY OWEN AXLE 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
31	HM212011T1M	Outer Cup		2
32	HM212049T1M	Outer Cone		2
33	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
34	T04-4007	Lock Washer		2
35	T04-8680	Lock Tab Washer		2
36	T04-4006	Outer Lock Nut		2
37	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
37A	NA	Gasket	4 Hole To Suit Mcgrath Cap	2
38	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029ST 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
38A	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2
39	T04-4032	4 Hole Hub Cap	Suits Mcgrath Axle	2

KIT PART NUMBER LISTING				
Brake Hardware Kits	T02-2401	H/D Brake Kit P-Brake With Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2412-AU	H/D Brake Kit P-Brake With Std Bolt-On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake With Extn Bolt-On Anchor Pins		2
S-Cam Repair Kits	T02-2302	'S' Cam Bush Kit	Services 1 Axle	1
	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

DANA SPICER AXLE IDENTIFICATION

AXLE TYPE	
STANDARD AXLE BEAM	
B	D22 GP Bearing Combination HM218248/HM212049
C	P22 Propar Bearing Combination HM518445 Inner & Outer
E	D22 Drop Centre GP Bearing Combination HM218248/HM212049
FITTED WITH NEWAY SUSPENSION BRACKETS	
G	D22 Bearing Combination as Above
H	P22 Bearing Combination as Above
J	D22 Drop Centre GP Bearing Combination as Above

AXLE TRACK	
71	71.5" Track
73	73" Track
79	79" Track (Super Single)

LINING MATERIAL & SPIDER TYPE		
J	CM18 Linings Weld On Spider	to Suit Dual Spoke & Disc Wheels
T		Cast Super Single Only

CAMSHAFTS	
S	Standard
L	Long (Airbag Susp)
E	Enclosed (Std)
R	Enclosed (Long)

HUBS & DRUMS	
02	5 Spoke Webb
03	5 Spoke Malco
04	10 Stud 285 Steel Webb
05	10 Stud 285 Alloy Conmet
08	3 Spoke Webb
10	6 Spoke Malco (Super Single)

Many other options exist, refer back to PACCAR PARTS for further info

B 6 N 71 · B J N · S P · F 02

AXLE WALL THICKNESS	
5	0.460"
6	0.625"
7	0.750"
8	0.580"

'S' CAM POSITION & CAMBER ANGLE	
N	Straight (No Cmaber)

Many variations exist if n is replaced with a number refer back to PACCAR PARTS for futrther info

BRAKE SIZE	
A	12-¼" x 7-½" 'P' Brake
B	16-½" x 7" 'P' Brake
P	15" x 8-⅝" 'P' Brake
G	16-½" x 7" Fast Change 'Q' Brake
O	No Brakes

ABS	
N	No
Y	Yes
L	Yes (Less Sensor/ Bush)

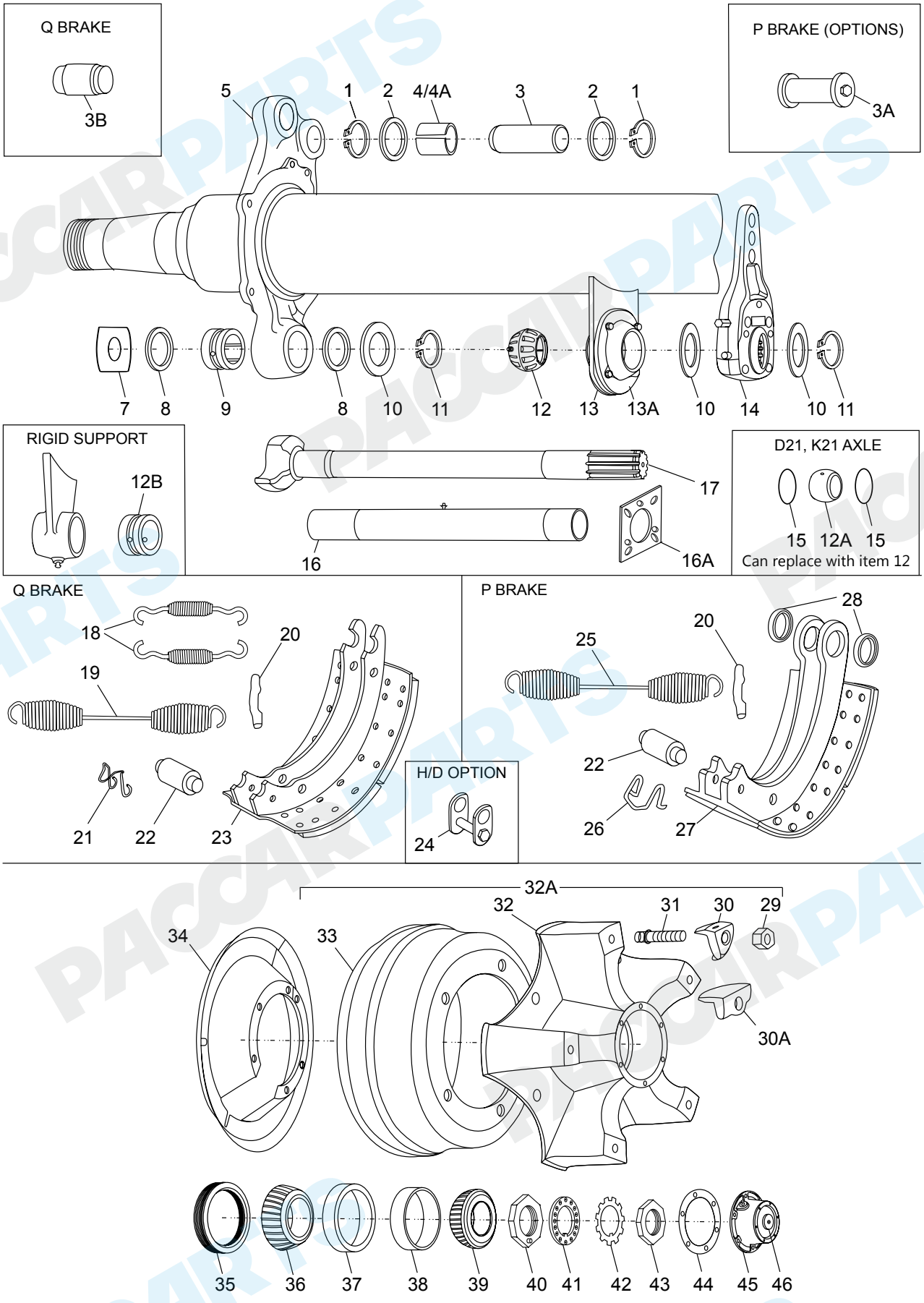
SLACK ADJUSTER	
M	Manual
O	Not Fitted
P	Auto (Brunner)
Q	Auto (Gunite)
R	Auto (Haldex)

HUB CAP TYPE	
GREASE TYPE	
C	F.T.E.
D	Krueger
F	Spicer
G	Plain
K	Spicer (with Hubo)
H	F.T.E. (with Hubo)
OIL TYPE	
L	Plain
N	Plain (with Hubo)
O	No Cap



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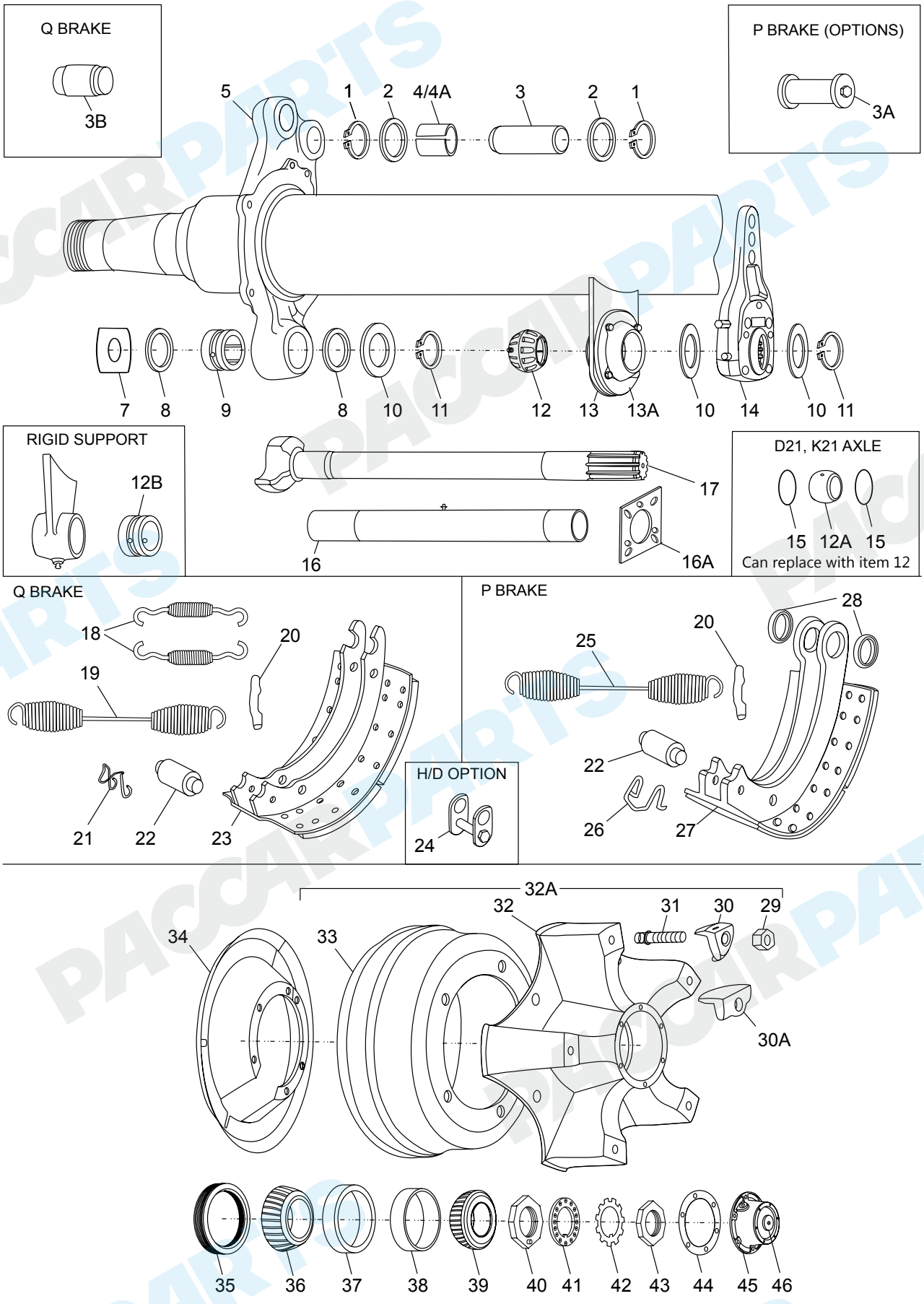
DANA SPICER - D21, D22, K21 & K22
16-½" x 7" BRAKES



DANA SPICER - D21, D22, K21 & K22
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	8
3	T02-3199	P-Brake Anchor Pin	Circlip (Extension type T02-3198)	4
3A	T02-3200AU	P-Brake Anchor Pin	Bolt On (Extension type T02-3304)	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
4A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
5	T02-1999	Brake Spider Flange	To suit T02-2000 - 5-⅛" I.D.	2
	T02-2000	Brake Spider	Bolt on - 5-⅝" I.D.	2
7	T02-3101	'D' Washer		2
8	T02-3122	Seal		4
9	T02-2104	Outer Cam Bush	Nylon	2
	E-807		Bronze	2
	T02-2104S		Steel	2
10	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	6
11	1229Z1118	Circlip	To Suit 1-½" Shaft	4
12	T02-2107	Inner Cam Bush	Can Use In Place Of 12A & 15	2
12A	T02-2218		D21, K21 Axle	2
12B	T02-2108		Old Style With Rigid Bracket	2
13	T02-3009	Bracket & Bush assy	Includes Item 12 & 15	2
13A	T02-3398	Bush Retainer Plate		2
14	R824000	Slack Adjuster	3 Hole, 10 Spline	2
15	T02-3007	O-Ring		4
16	T02-2081	Cam Enclosure Tube - 442mm Long	Cam Tube Ends are Machined	2
	T02-2084	Cam Enclosure Tube - 525mm Long		2
16A	E-4739	Cam Enclosure Plate		2
17	T02-2003	LH 'S' Cam	10 spline, Q-Plus Head	1
	T02-2004	RH 'S' Cam		1
	T02-2061	LH 'S' Cam Long	Use with Airbag Suspension	1
	T02-2062	RH 'S' Cam Long		1
18	T02-3449	Return Spring	2 per wheel Q-Brake	4
19	T02-3480	H/D Return Spring	1 per wheel Q-Brake	2
20	T02-3452	Spring Retainer		4
21	3105B210	Roller Retainer	Q-Brake	4
22	T02-3403AU	Smooth Standard Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
23	TRP214515Q	Brake Shoe kit		2
24	T02-3415AU	H/D Roller Retainer		4
25	MB7016	Extra H/D Return Spring	P-Brake	2
	T02-3451	H/D Return Spring		2
26	T02-3401	Roller Retainer		4
27	TRP214515P	Brake Shoe kit	P-Brake Lining No. 4515H	2
28	T02-3302AU	Support Washer	Used with Extension Anchor Pins	8

DANA SPICER - D21, D22, K21 & K22 CONTINUED
16-½" x 7" BRAKES

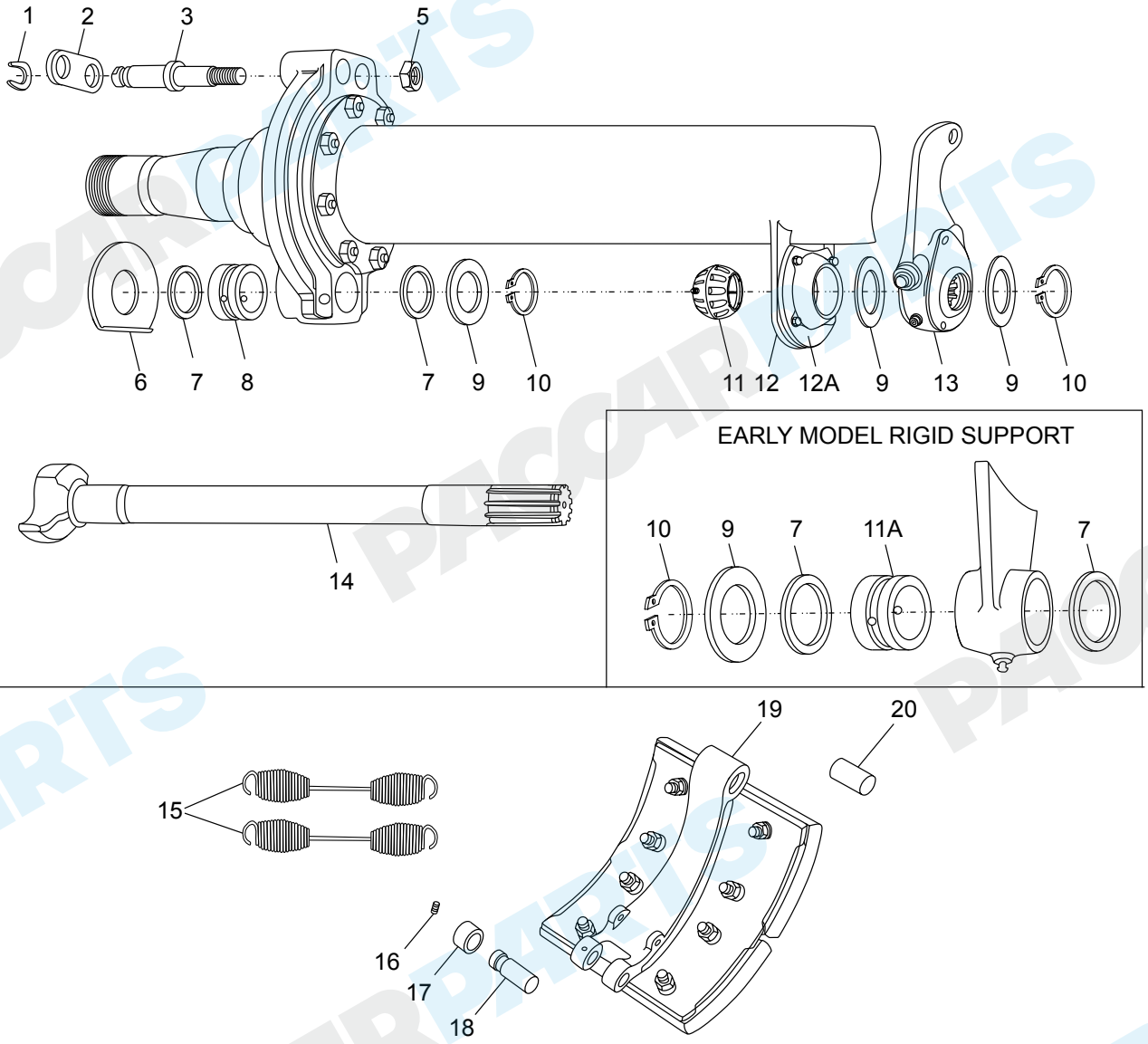


DANA SPICER - D21, D22, K21 & K22 CONTINUED
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
29	T04-6002	Wheel Nut		10
30	T04-6051	Wheel Clamp	G.P. Type	10
30A	KH800146	Wheel Clamp	Malco Type	10
31	T04-6001	Wheel Stud		10
32	KH3601/GF	5 Spoke Hub	(G.P. Type) D22, K22 Axle	2
	NA		(Malco Type) D22, K22 Axle	2
			(G.P. Type) D21, K21 Axle	2
32A	KH3600/GF	5 Spoke Hub & Drum	(G.P. Type) D22, K22 Axle	2
	NA		(Malco Type) D22, K22 Axle	2
33	DB014TRP	Brake Drum		2
34	T02-5100	Dust Cover		2
35	T04-STM-0713G	Axle Seal (Grease)	D21, K21 Axle	2
	T04-STM-0743G		D22, K22 Axle	2
36	SET405T1M	Inner Cone	D21, K21 Axle	2
	HM218248T1M		D22, K22 Axle	2
37	SET405T1M	Inner Cup	D21, K21 Axle	2
	HM218210T1M		D22, K22 Axle	2
38	HM212011T1M	Outer Cup	D21, D22 & K21, K22 Axle	2
39	HM212049T1M	Outer Cone	D21, D22 & K21, K22 Axle	2
40	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
41	T04-4007	Lock Washer		2
42	T04-8680	Lock Tab Washer		2
43	T04-4006	Outer Lock Nut		2
44	T04-4042	Gasket	Multi drilled, 5 & 6 hole	2
45	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029ST 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
46	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2

KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake With Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake With Std Bolt-On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake With Extn Bolt-On Anchor Pins		2
S-Cam Repair Kits	T02-2316	'S' Cam Bush Kit, D22 & K22 Axle	Services 1 Axle	1
	T02-2319	'S' Cam Bush Kit, D21 & K21 Axle (Early Style Bush)		1
	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

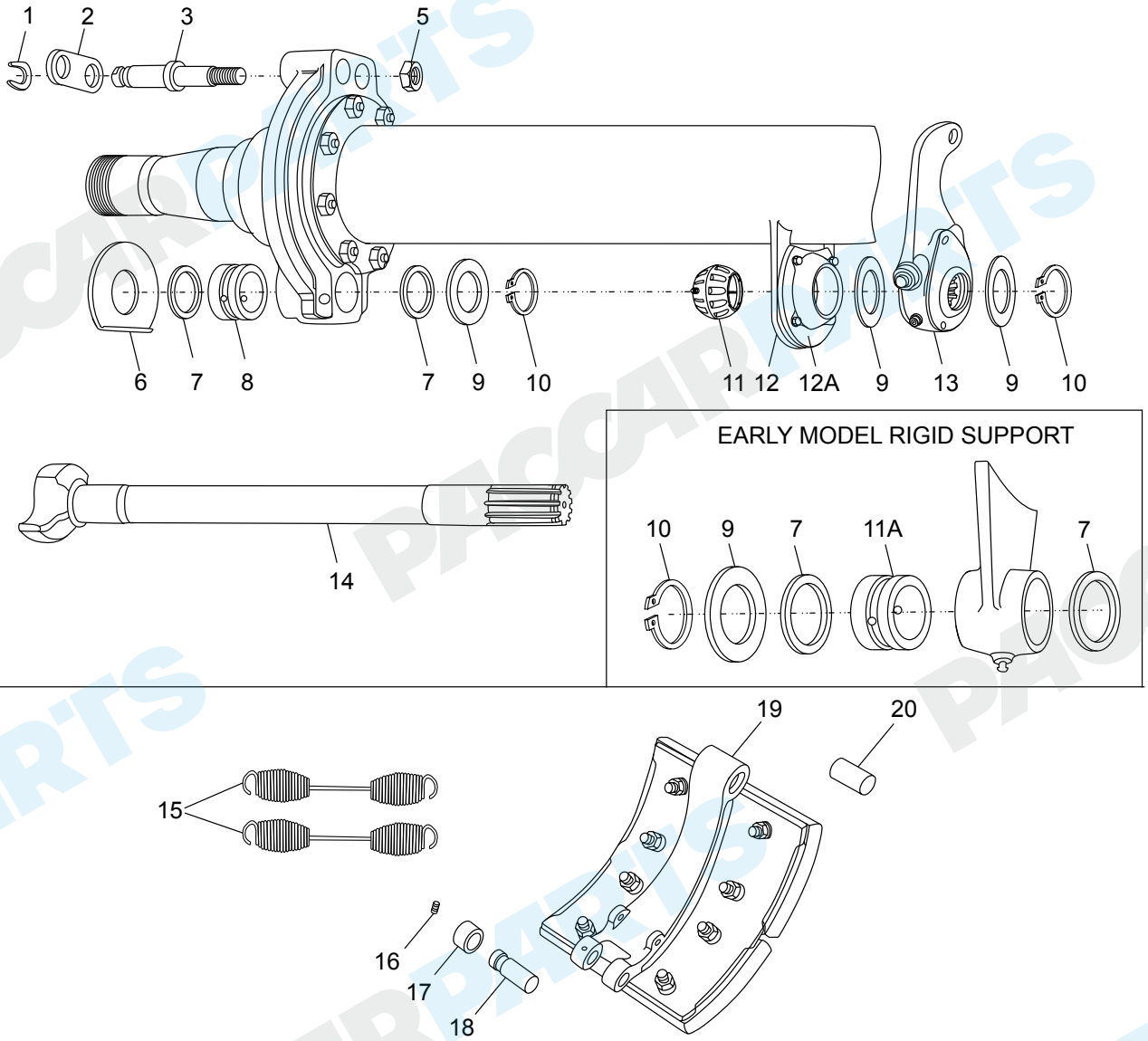
DANA SPICER - EARLY/STANDARD FORGE
12-¼" x 7-½" BRAKES (CAST SHOES)



DANA SPICER - EARLY/STANDARD FORGE
12-¼" x 7-½" BRAKES (CAST SHOES)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	NSS	'C' Clip	Contained in Kit T02-2403	2
2		Plate		
3		Anchor Pin		
5		Lock Nut - ¾" x 16 THD		
6	T02-3097	Washer		2
7	T02-3122	Seal		4
8	T02-2104	Outer Cam Bush	Nylon	2
	T02-2104S		Steel	2
	E-807		Bronze	2
9	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	6
10	1229Z1118	Circlip	To Suit 1-½" Shaft	4
11	T02-2107	Inner Cam Bush		2
11A	T02-3149	Inner Cam Bush	To Suit Rigid Support	2
12	T02-3008	Bracket & Bush Assy	Include item 11 & T02-3007	2
12A	T02-3398	Bush Retainer Plate		2
13	T02-5025	Slack Adjuster	1 Hole Curved, 10 Spline	2
	R824000		3 Hole, 10 Spline	2
14	T02-2022	LH 'S' Cam		1
	T02-2023	RH 'S' Cam		1
15	T02-3455	Return Spring		4
16	T02-3170	Grub Screw		4
17	T02-3408K	Knurled Roller	Contained in Kit T02-2403	4
	T02-3416	Smooth Roller (⅛" O/S)	For Knurled Add 'K' to Part No.	4
	T02-3417	Smooth Roller (¼" O/S)		4
18	NSS	Pin Roller	Contained in Kit T02-2403	4
19	NA	Brake Shoe Kit	Service 1 Wheel	2
20	NSS	Bush	Contained in Kit T02-2403	4
21	T04-6002	Wheel Nut		10
22	T04-6051	Wheel Clamp		10
23	T04-6001	Wheel Stud		10
24	KH001-7000-TN	3 Spoke Hub	Use Drum PN KH52743-11	2
	NA	6 Spoke Hub		2
24A		6 Spoke Hub & Drum		2
25		Brake Drum	7-¼" Spigot / 8-¾" PCD	2
			7" Spigot / 8-¼" PCD	2
	KH52743-11		8-½" Spigot / 10" PCD	2
26	T04-STM-0713G	Axle Seal (Grease)		2
27	SET405T1M	Inner Cone	Induvidual Cup & Cone not available	2
28	SET405T1M	Inner Cup	Induvidual Cup & Cone not available	
29	HM212011T1M	Outer Cup		2
30	HM212049T1M	Outer Cone		2

DANA SPICER - EARLY/STANDARD FORGE CONTINUED
12-¼" x 7-½" BRAKES (CAST SHOES)

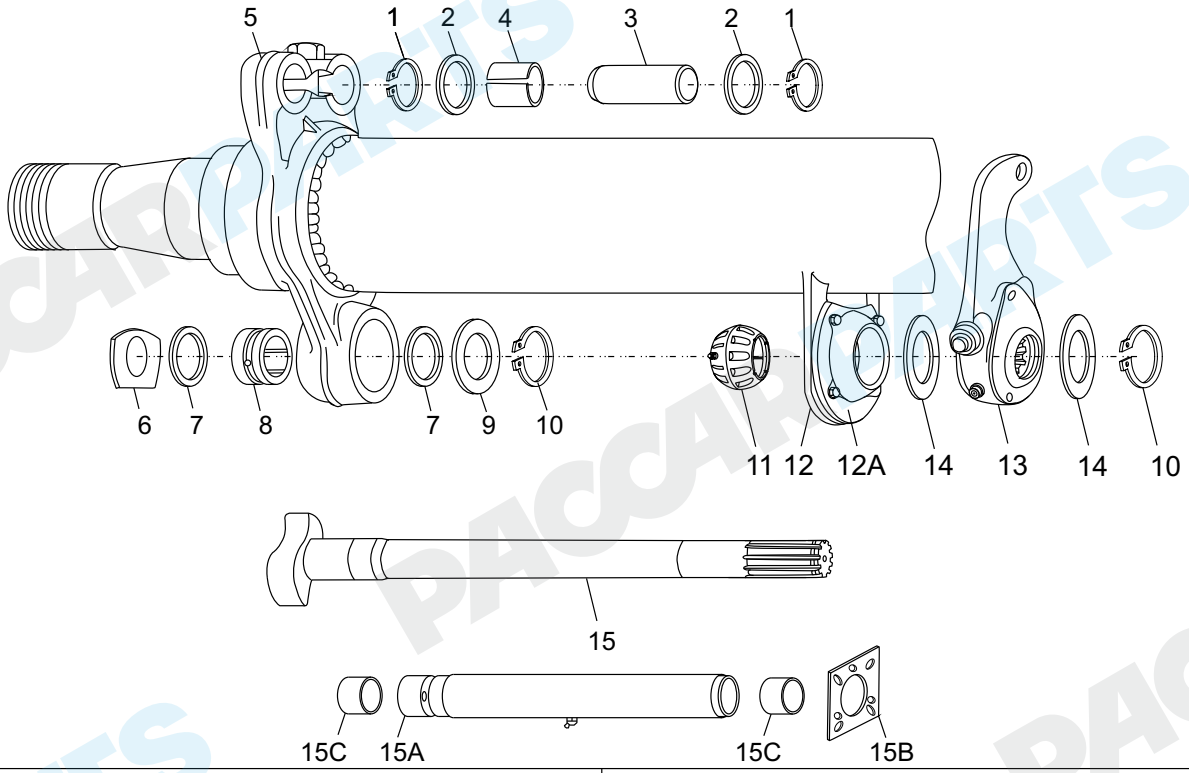


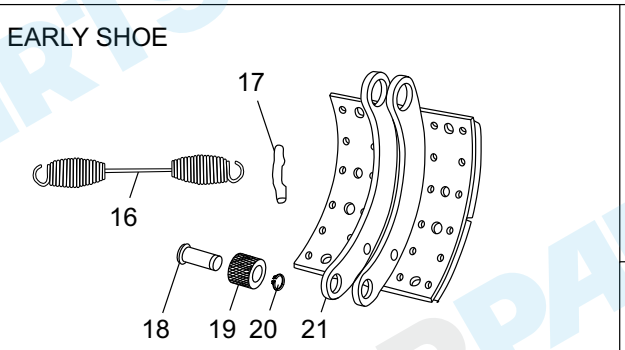
DANA SPICER - EARLY/STANDARD FORGE CONTINUED
12-¼" x 7-½" BRAKES (CAST SHOES)

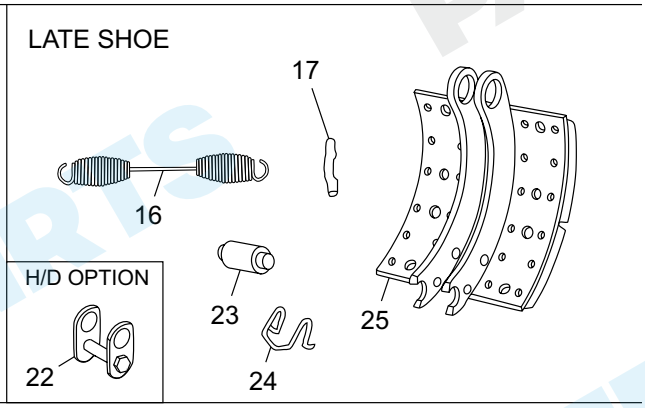
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
31	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
32	T04-4007	Lock Washer		2
33	T04-8680	Lock Tab Washer		2
34	T04-4006	Outer Lock Nut		2
35	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
36	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029ST 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
37	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2

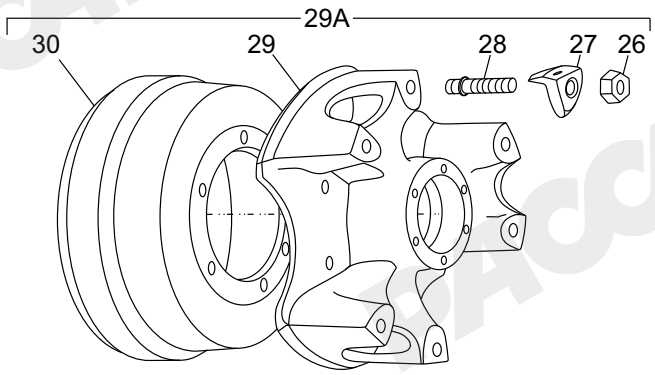
KIT PART NUMBER LISTING				
Brake Hard-ware Kit	T02-2403	H/D Brake Kit	Includes H/D Return Springs Services 1 Wheel	2
S-Cam Repair Kits	T02-2319	Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

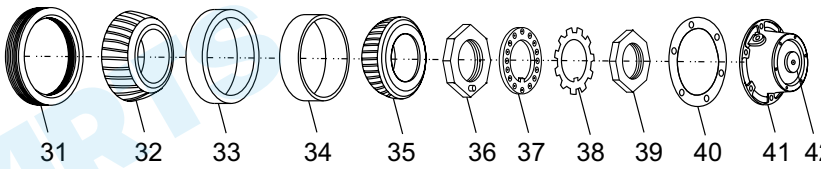
DANA SPICER - LATE/STANDARD FORGE
12-¼" x 7-½" BRAKES (FABRICATED SHOES)











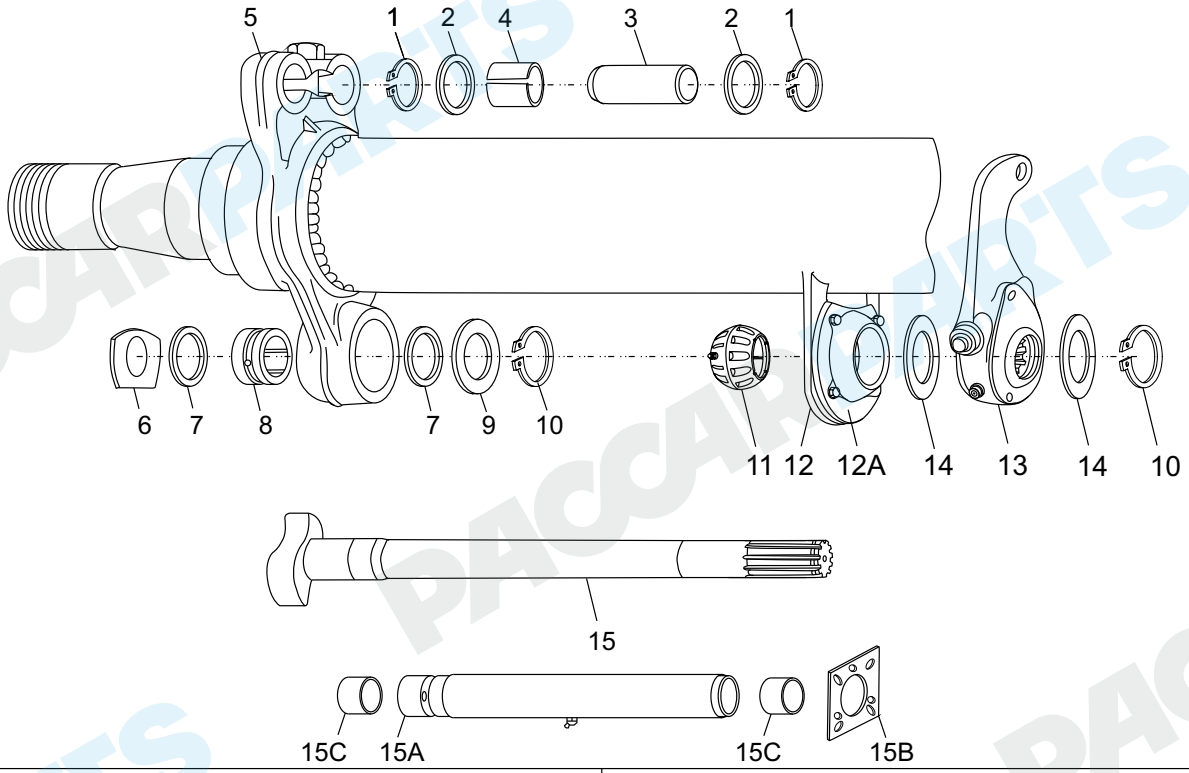
DANA SPICER - LATE/STANDARD FORGE
12-¼" x 7-½" BRAKES (FABRICATED SHOES)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	T02-3187	Circlip	To suit 1" shaft	2
2	T02-3186	Washer	1-½" OD x 1" ID x 1/16"	2
3	T02-3185	P-Brake Anchor Pin	Circlip	4
4	T02-3184	Anchor Pin Bush		4
5	T02-1998	Brake Spider		2
6	T02-3099	'D' Washer		2
7	T02-3122	Seal		4
8	E-807	Outer Cam Bush	Bronze	2
	T02-2104		Nylon	2
	T02-2104S		Steel	2
9	T02-3123	Washer	2-¼" OD x 1-½" ID x ⅛"	2
10	1229Z1118	Circlip	To suit 1-½" shaft	4
11	T02-2107	Inner Cam Bush		2
12	T02-3008	Bracket & Bush assy	Include item 11 & T02-3007	2
12A	T02-3398	Bush Retainer Plate		2
13	T02-5025	Slack Adjuster	1 Hole curved, 10 Spline	2
	R824000		3 Hole, 10 Spline	2
14	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	4
15	T02-2022	LH 'S' Cam		1
	T02-2023	RH 'S' Cam		1
15A	T02-2081	Cam Enclosure		2
15B	E-4739	Cam Enclosure Plate		2
15C	BP2055B	Cam Enclosure Bush	Used with OE Tubes	4
	T02-2034		Used with T02-2081	4
16	T02-3462	Return Spring		4
17	T02-3452	Spring Retainer		4
18	T02-3425	Pin Roller		4
19	T02-3424K	Roller		4
	T02-3424K-0S	Roller (⅛" o/s)		4
20	T02-3422	Circlip	To suit ¾" shaft	4
21	NA	Brake Shoe kit		2
22	T02-3415AU	H/D Roller Retainer		4
23	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No. e.g: T02-3403KAU	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
24	T02-3401	Roller Retainer		4
25	KSMA2124692FC2	Brake Shoe kit		2
26	T04-6002	Wheel Nut		10
27	T04-6051	Wheel Clamp		10
28	T04-6001	Wheel Stud		10
29	KH001-7000-TN	3 Spoke Hub	F22H (Late)	2
	NA	6 Spoke Hub		2
			A19H (Early)	2
29A	KH001-70003	3 Spoke Hub & Drum LATE GP	F22H (Late)	2
	NA	6 Spoke Hub & Drum LATE GP		2
		6 Spoke Hub & Drum	A19H (Early)	2

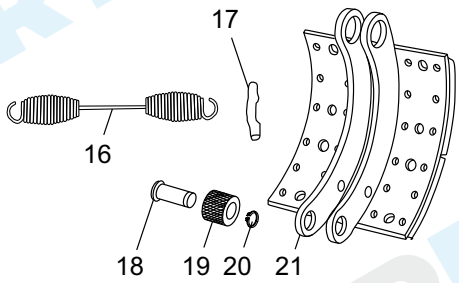
NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

DANA SPICER - LATE/STANDARD FORGE CONTINUED

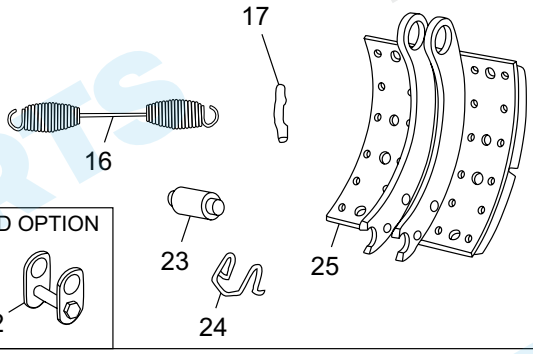
12-¼" x 7-½" BRAKES (FABRICATED SHOES)

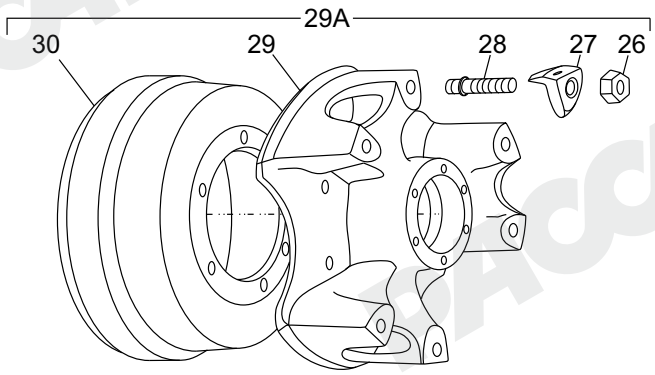


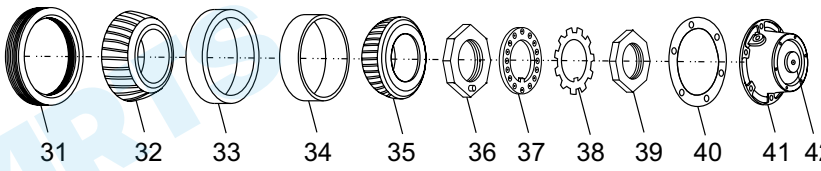
EARLY SHOE



LATE SHOE





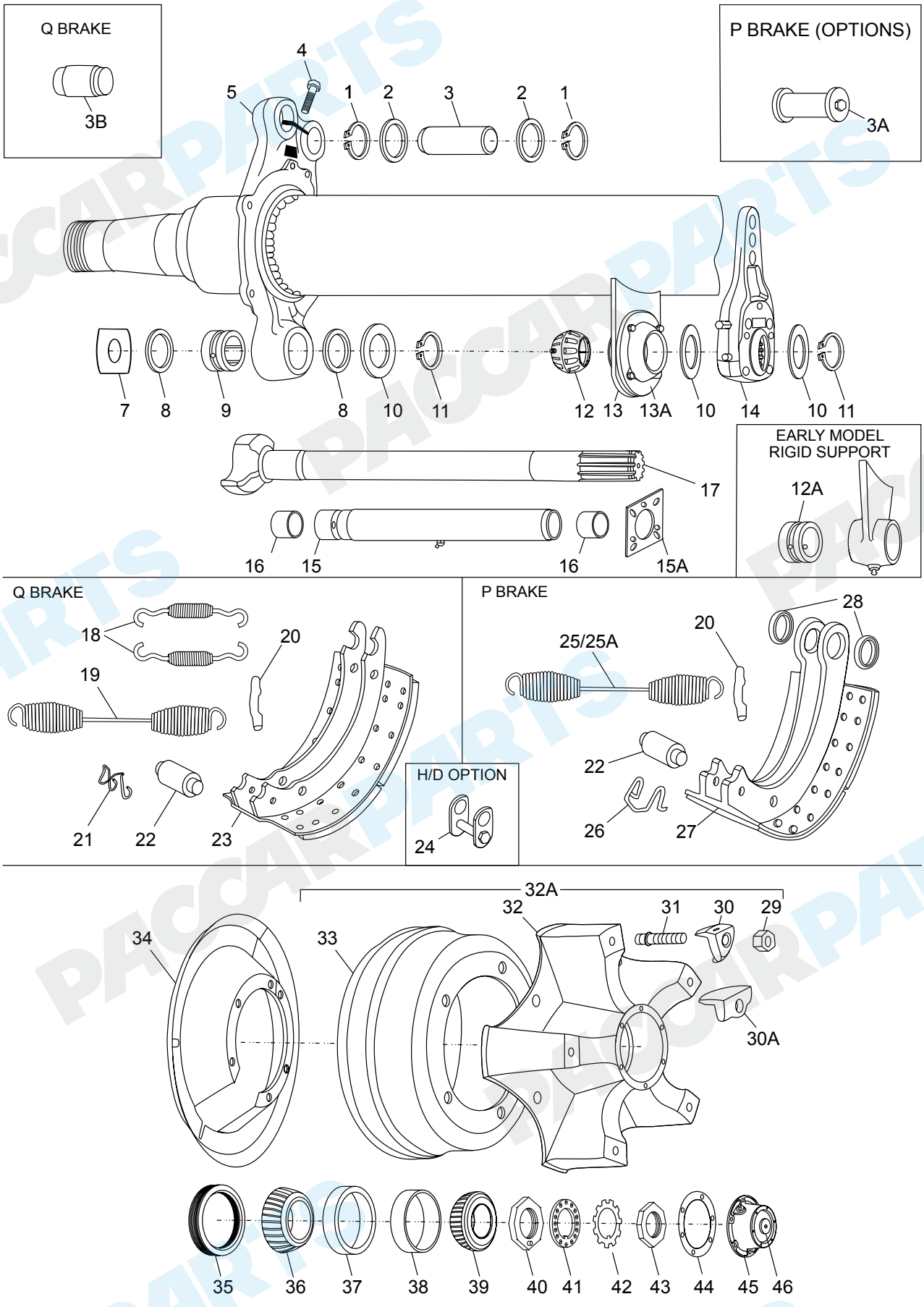


DANA SPICER - LATE/STANDARD FORGE CONTINUED
12-¼" x 7-½" BRAKES (FABRICATED SHOES)

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
30	NA	Brake Drum	7-¼" Spigot / 8-¾" PCD	2
			7" Spigot / 8-¼" PCD	2
	KH52743-11		8-½" Spigot / 10" PCD	2
31	T04-STM-0713G	Axle Seal (Grease)	A19H Axle	2
	T04-STM-0743G		F22H, Dana, S/Forge Axle	2
32	SET405T1M	Inner Cone	A19H Axle	2
	HM218248T1M		F22H, Dana, S/Forge Axle	2
33	SET405T1M	Inner Cup	A19H Axle	2
	HM218210T1M		F22H, Dana, S/Forge Axle	2
34	HM212011T1M	Outer Cup	A19H, F22H, Dana, S/Forge Axle	2
35	HM212049T1M	Outer Cone	A19H, F22H, Dana, S/Forge Axle	2
36	T04-4008	Inner Nut	Also Available As Kit PN T04-4011AU	2
37	T04-4007	Lock Washer		2
38	T04-8680	Lock Tab Washer		2
39	T04-4006	Outer Lock Nut		2
40	T04-4042	Gasket	Multi drilled, 5 & 6 hole	2
41	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029SR 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
42	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2

KIT PART NUMBER LISTING				
KIT	T02-2317	'S' Cam Bush Kit	Services 1 Axle	1
	T02-2406	H/D Brake Kit, Early Type Brake Shoe	Includes H/D Return Springs Services 1 Wheel	2
	T02-2415	H/D Brake Kit, Late Type Brake Shoe		2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

FREIGHTER INGERSOLL(IMT) - A22H/F22H AXLE
16-½" x 7" BRAKES



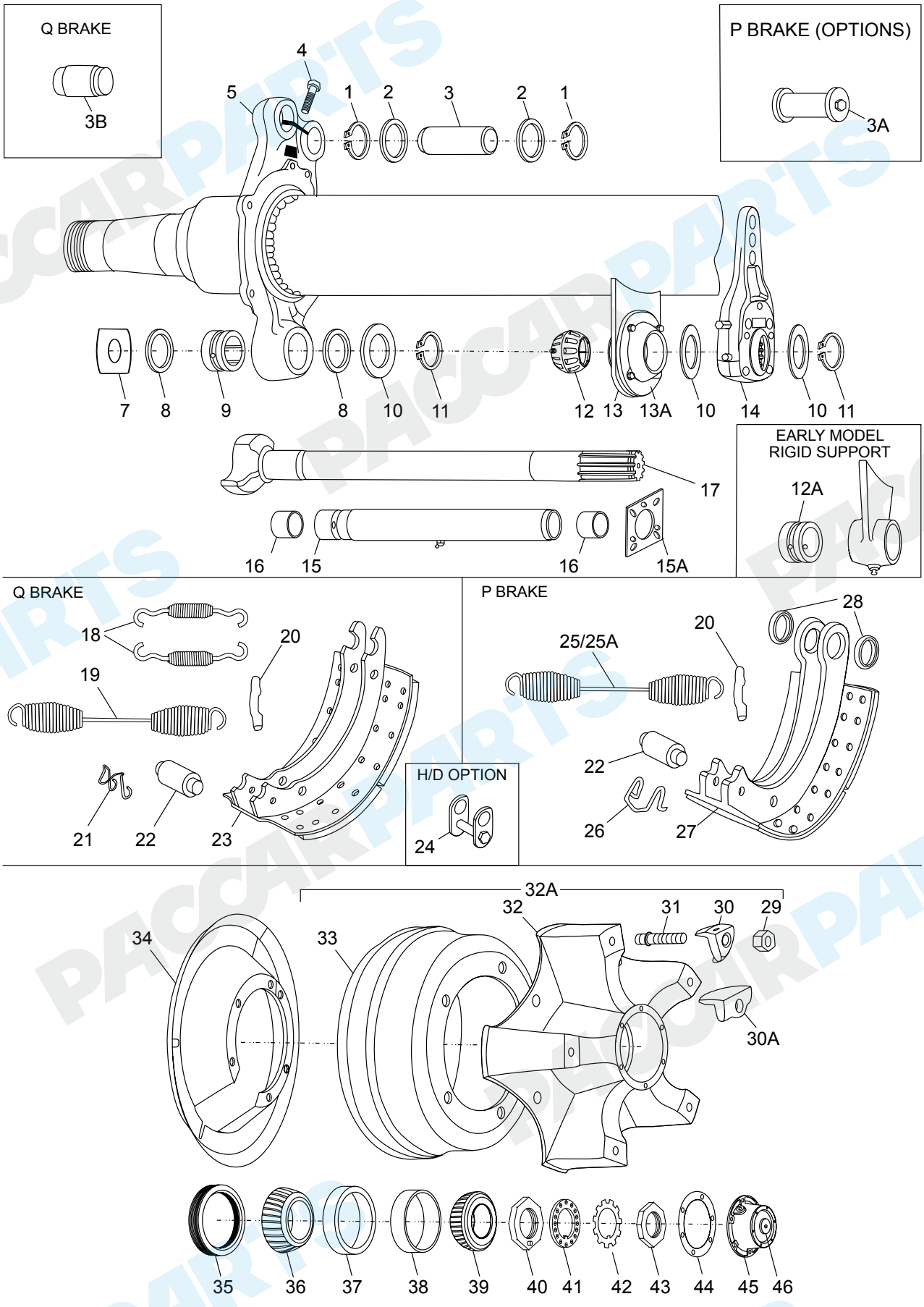
FREIGHTER INGERSOLL(IMT) - A22H/F22H AXLE
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD X 1-¼" ID X 1⁄16"	8
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	NA	Bolt	2-½"x ½" UNF Bolt	2
5	T02-1999	Brake Spider Flange	To Suit T02-2000 - 5-⅛" I.D.	2
	T02-2000	Brake Spider	Bolt On - 5-⅝" I.D.	2
7	T02-3101	'D' Washer		2
8	T02-3122	Seal		4
9	T02-2104	Outer Cam Bush	Nylon	2
	E-807		Bronze	2
	T02-2104S		Steel	2
10	T02-3102	Washer	2-¼" OD x 1-½" ID x 1⁄16"	6
11	1229Z1118	Circlip	To Suit 1-½" Shaft	4
12	T02-2107	Inner Cam Bush	Can Use In Place of 12A & 15	2
12A	T02-2108	Inner Cam Bush	Old Style with Rigid Bracket	2
13	T02-3009	Bracket & Bush Assembly		2
13A	T02-3398	Bush Retainer Plate		2
14	R824000	Slack Adjuster	3 Hole, 10 Spline	2
15	T02-2081	Cam Enclosure	Bush Installed In Both Ends	2
15A	E-4739	Cam Enclosure Plate		2
16	BP2055B	Cam Enclosure Bush	Used with OE Tubes	4
17	T02-2003	LH 'S' Cam	1-½" x 10 Spline	1
	T02-2004	RH 'S' Cam		1
18	T02-3449	Return Spring	2 per Wheel Q-Brake	4
19	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
20	T02-3452	Spring Retainer		4
21	3105B210	Roller Retainer	P-Brake	4
22	T02-3403AU	Smooth Standard Roller	For Knurled Add 'K' to Part No. e.g: T02-3403KAU	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
23	TRP214515Q	Brake Shoe Lined ''Q''	Services 1 Wheel	2
24	T02-3415AU	H/D Roller Retainer		4
25	T02-3451	H/D Return Spring	P-Brake	2
25A	MB7016	Extra H/D Return Spring	P-Brake	2
26	T02-3401	Roller Retainer		4
27	TRP214515P	Brake Shoe Lined 'P'	Services 1 Wheel	2
28	T02-3302AU	Support Washer	Used With Extended Anchor Pins	8
29	T04-6002	Wheel Nut		10
30	T04-6051	Wheel Clamp	G.P. Type	10
30A	KH800146	Wheel Clamp	Malco Type	10
31	T04-6001	Wheel Stud		10
32	KH3601/GF	5 Spoke Hub	G.P. Type	2
32A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
33	DB014TRP	Brake Drum		2
34	T02-5100	Dust Cover		2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

FREIGHTER INGERSOLL(IMT) - A22H/F22H AXLE CONTINUED

16-½" x 7" BRAKES

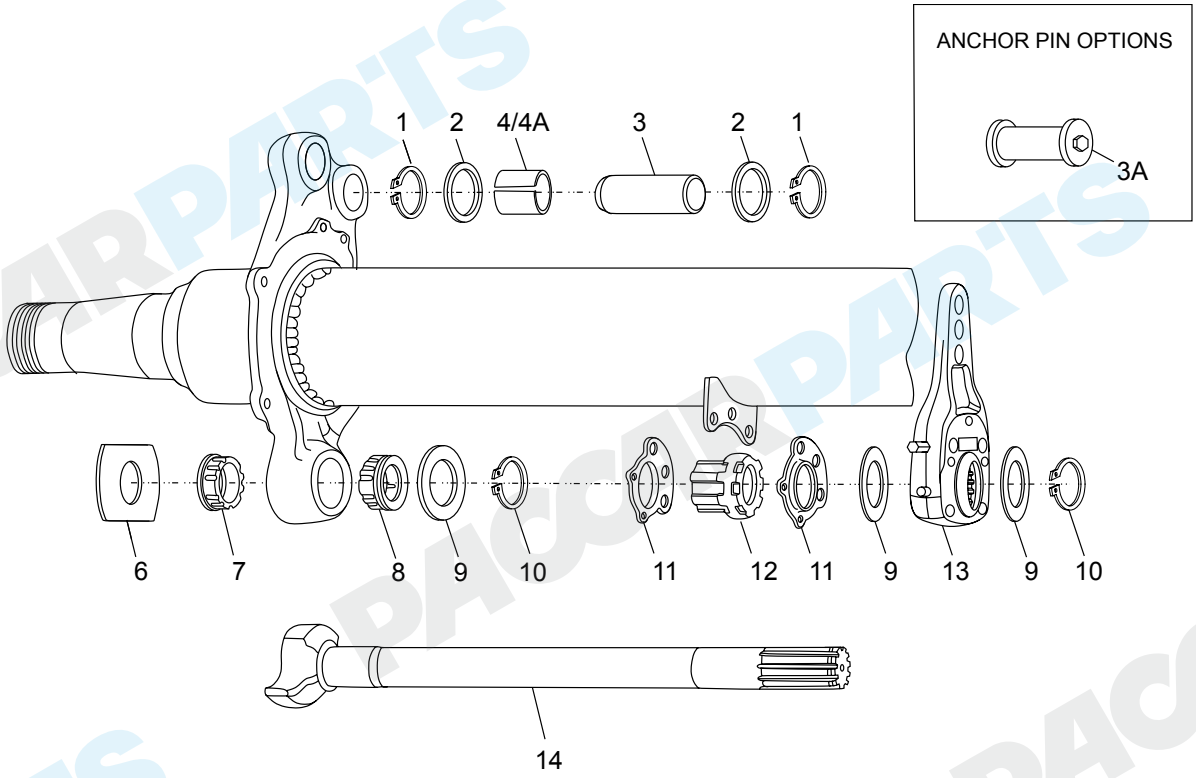


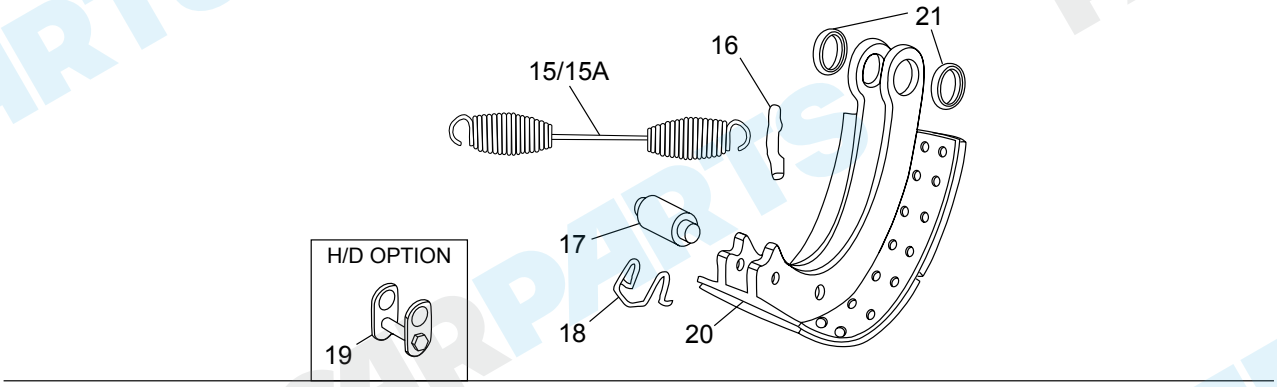
FREIGHTER INGERSOLL(IMT) - A22H/F22H AXLE CONTINUED
16-½" x 7" BRAKES

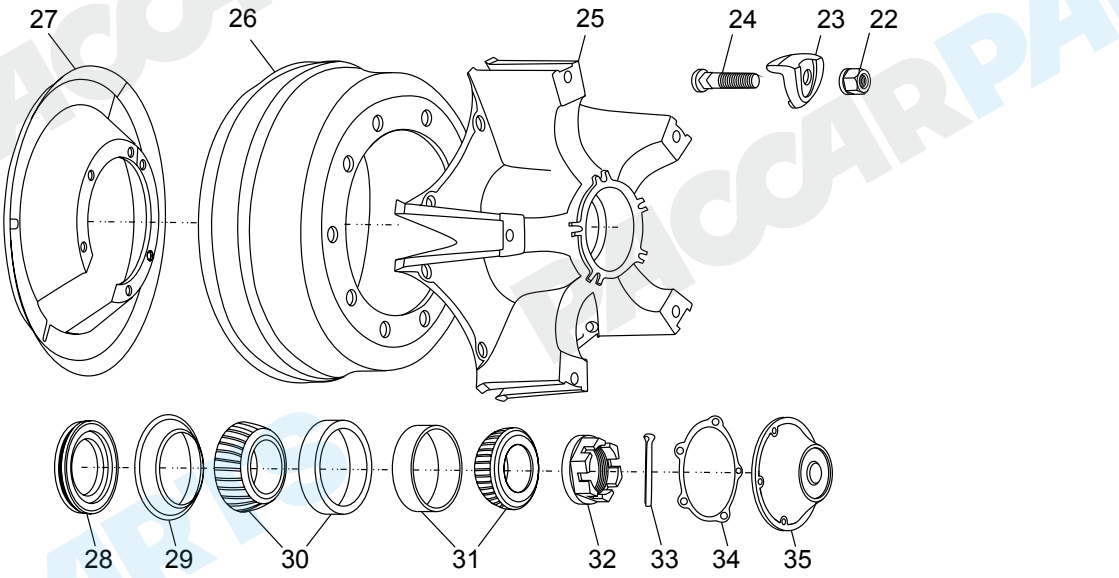
ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
35	T04-STM-0743G	Axle Seal (Grease)		2
36	HM218248T1M	Inner Cone	Refer Bearing Table for Set Part No.	2
37	HM218210T1M	Inner Cup		2
38	HM212011T1M	Outer Cup		2
39	HM212049T1M	Outer Cone		2
40	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
41	T04-4007	Lock Washer		2
42	T04-8680	Lock Tab Washer		2
43	T04-4006	Outer Lock Nut		2
44	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
45	HA4009	6 Hole Stemco Hub Cap	Oil Hub (T04-4029ST 5 Hole) - Stemco PN : 343-4009	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
46	450434	Plug	CR Cap	2
	HP4009		Stemco Cap: 359-5990	2

KIT PART NUMBER LISTING				
Brake Hardware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kits	T02-2316	'S' Cam Bush Kit	Services 1 Axle	1
	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

FREIGHTER MK-V
16-½" x 7" BRAKES







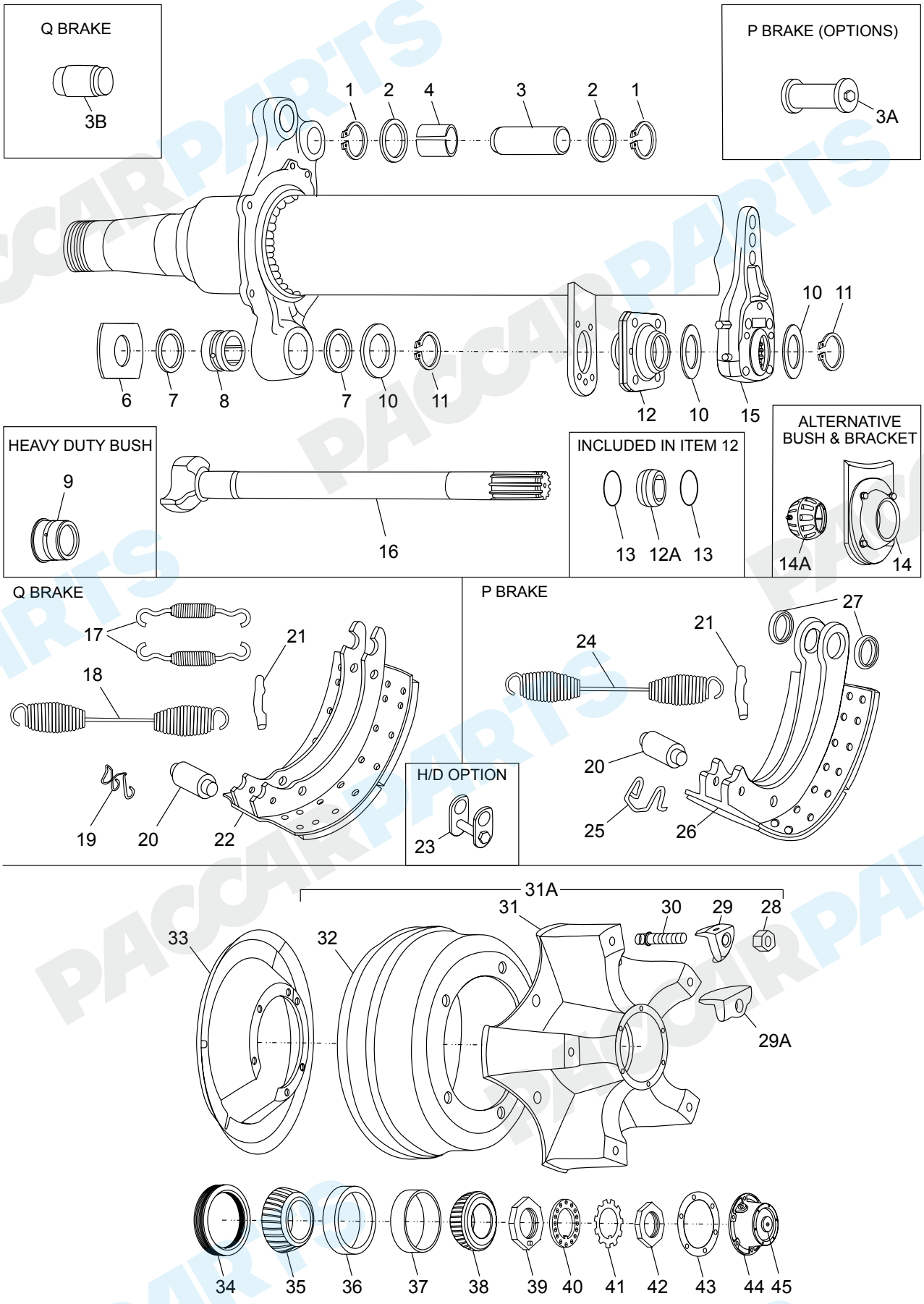
FREIGHTER MK-V
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	8
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
4A	T02-3207B	Anchor Pin Bush	Bronze Lined	4
6	T02-3101	'D' Washer		2
7	NSS	Bush 'S' Cam Spider - Outer	Contained In Kit T02-2201 / 02	2
8	NSS	Bush 'S' Cam Spider - Inner	Contained In Kit T02-2201 / 02	2
9	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	6
10	1229Z1118	Circlip	To Suit 1-½" Shaft	4
11	T02-3002	Retainer Plate		4
12	T02-2101	Inner Cam Bush		2
13	R824000	Slack Adjuster	3 Hole, 10 Spline	2
14	T02-2003	LH 'S' Cam	1-½" x 10 Spline	1
	T02-2004	RH 'S' Cam		1
15	T02-3451	H/D Return Spring		2
15A	MB7016	Extra H/D Return Spring		2
16	T02-3452	Spring Retainer		4
17	T02-3403AU	Smooth Standard Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
18	T02-3401	Roller Retainer		4
19	T02-3415AU	H/D Roller Retainer		4
20	TRP214515P	Brake Shoe Lined Kit''P''		2
21	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
22	T04-6005	Wheel Nut		10
23	NA	Wheel Clamp		10
24	T04-6004	Wheel Stud		10
25	NA	5 Spoke Hub		2
26	M906054	Brake Drum	10 Hole Drum	2
27	T02-5100	Dust Cover		2
28	NA	Axle Seal		2
29	T04-4511	Wear Ring		2
30	32217T1M	Inner Bearing Assembly		2
31	32215T1M	Outer Bearing Assembly		2
32	NA	Axle Nut		2
33	0262020401	Split Pin	3-½" x 5/16"	2
34	NA	Gasket		2
35	NA	Hub Cap		2
KIT PART NUMBER LISTING				
Brake Hardware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kits	T02-2302	'S' Cam Bush Kit	Services 1 Axle	1
	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
	T02-2201/02	Outer Bush S-Cam Spider Kit	Contains Item 7 & 8 - Includes 1x T02-2201 & 1x T02-2202	2

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

KIC SUDISA 10000 SERIES AXLE

HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

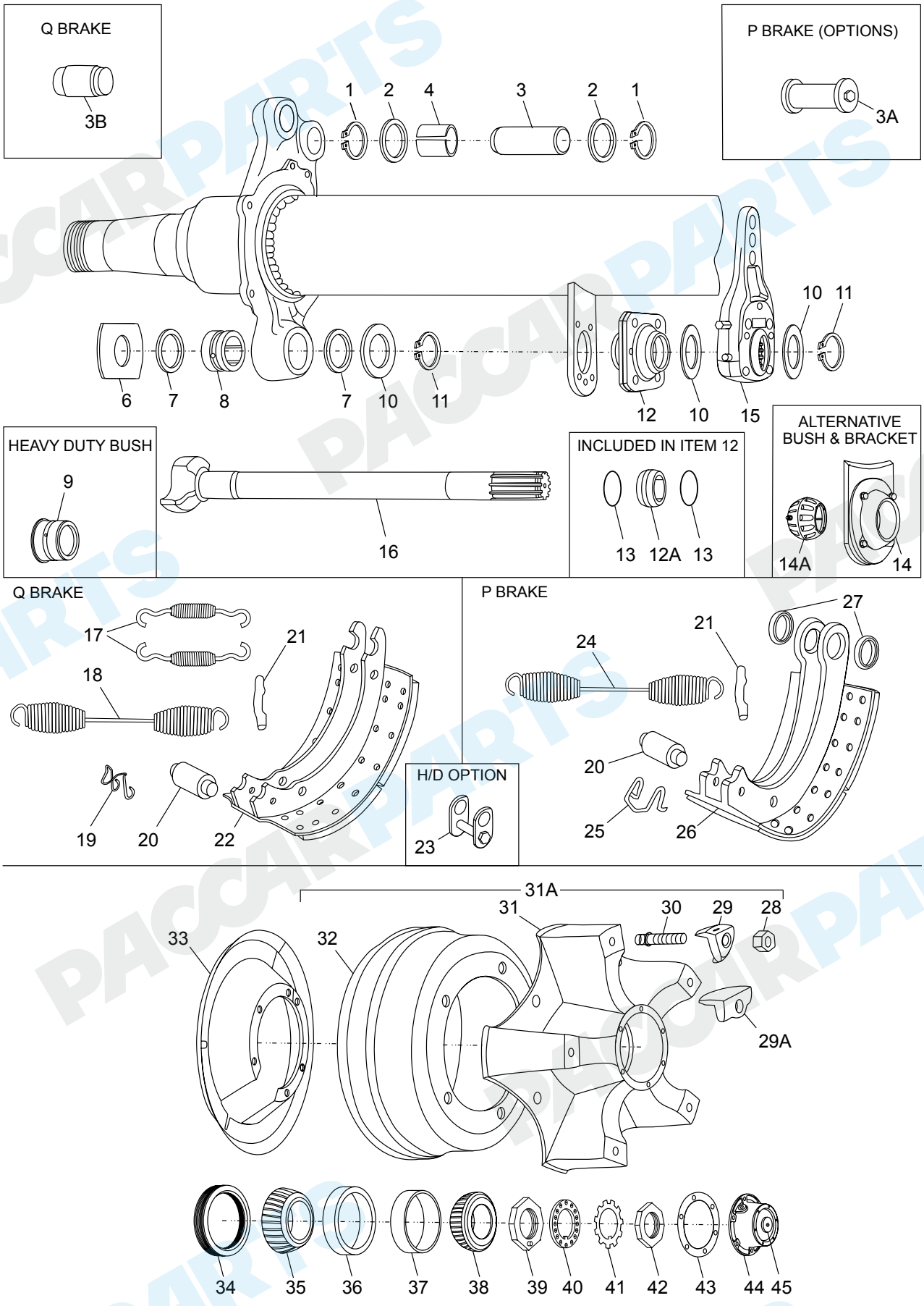


KIC SUDISA 10000 SERIES AXLE
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1 ⅞" OD x 1 ¼" ID x 1/16"	8
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
	T02-3207B		Bronze Lined	4
6	T02-3101	'D' Washer		2
7	NA	O-Ring	Replace with Item 9	2
8	NA	Cam Bush	Replace with Item 9	2
9	T02-2238-5	Cam Bush	2" OD x 1-½" ID c/w O Rings	2
10	T02-3102	Washer	2-¼" OD x 1-½" ID x 1/16"	6
11	1229Z1118	Circlip	To Suit 1-½" Shaft	4
12	T02-3005	Bracket & Bush Assy	Includes item 12A & 13	2
12A	T02-3006	Bush		2
13	T02-3007	O-Ring		4
14	T02-3009	Bracket & Bush Assy		2
14A	T02-2107	Inner Cam Bush		2
15	R824000	Slack Adjuster	3 Hole, 10 Spline	2
16	T02-2003	LH 'S' Cam 10 Spline		1
	T02-2004	RH 'S' Cam 10 Spline		1
17	T02-3449	Return Spring	2 per Wheel Q-Brake	4
18	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
19	3105B210	Roller Retainer		4
20	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
21	T02-3452	Spring Retainer		4
22	TRP214515Q	Lined Brake Shoe Kit	Services 1 Wheel	2
23	T02-3415AU	H/D Roller Retainer		4
24	MB7016	Extra H/D Return Spring	P-Brake	2
	T02-3451	H/D Return Spring		2
25	T02-3401	Roller Retainer		4
26	TRP214515P	Lined Brake Shoe Kit		2
27	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
28	T04-6002	Wheel Nut		10
29	T04-6051	Wheel Clamp		10
29A	610-1	Wheel Clamp	Malco Type	10
30	T04-6001	Wheel Stud		10

Note: Axle Brake spider uses a 2" OD x 1 ½" ID Bush

KIC SUDISA 10000 SERIES AXLE CONTINUED
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES



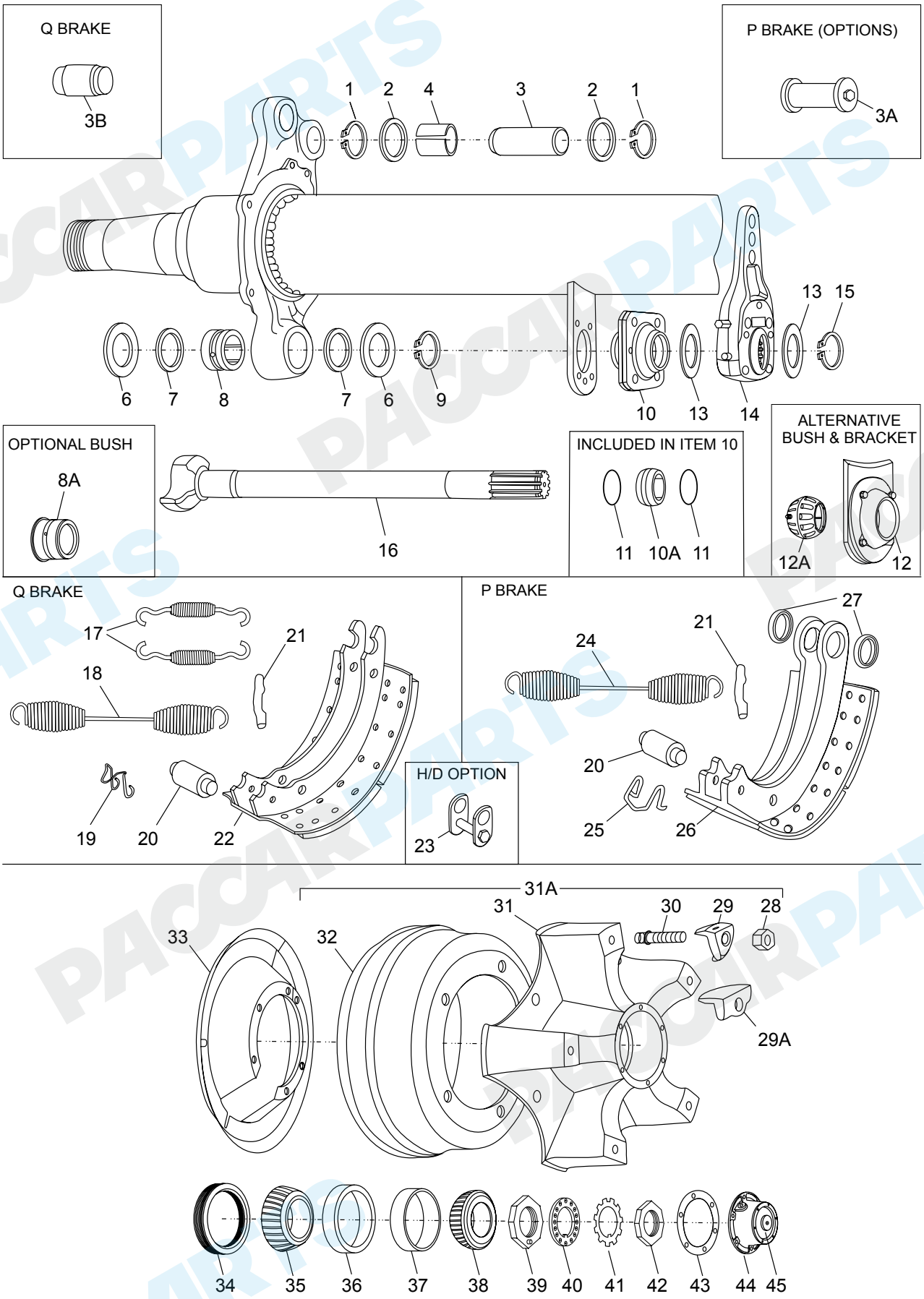
KIC SUDISA 10000 SERIES AXLE CONTINUED
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
31	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Malco Type	2
31A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
	NA		Malco Type	2
32	DB014TRP	Brake Drum	Use With G.P. & Malco Type Hub	2
33	T02-5100	Dust Cover		2
34	T04-STM-0743G	Axle Seal (Grease)		2
35	HM218248T1M	Inner Cone	Refer Bearing Section For Set PN	2
36	HM218210T1M	Inner Cup		2
37	HM212011T1M	Outer Cup		2
38	HM212049T1M	Outer Cone		2
39	T04-4008	Inner Nut	Also Available As Kit PN T04-4011AU	2
40	T04-4007	Lock Washer		2
41	T04-8680	Lock Tab Washer		2
42	T04-4006	Outer Lock Nut		2
43	T04-4042	Gasket	Multi Drilled, 5 & 6 Hole	2
44	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029SR 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
45	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2
Brake Hardware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q & Q Plus-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt-On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt-On Anchor Pins		2
S-Cam Repair Kits	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

Note: Axle Brake spider uses a 2" OD x 1 ½" ID Bush

KIC SUDISA 11000 SERIES AXLE

HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

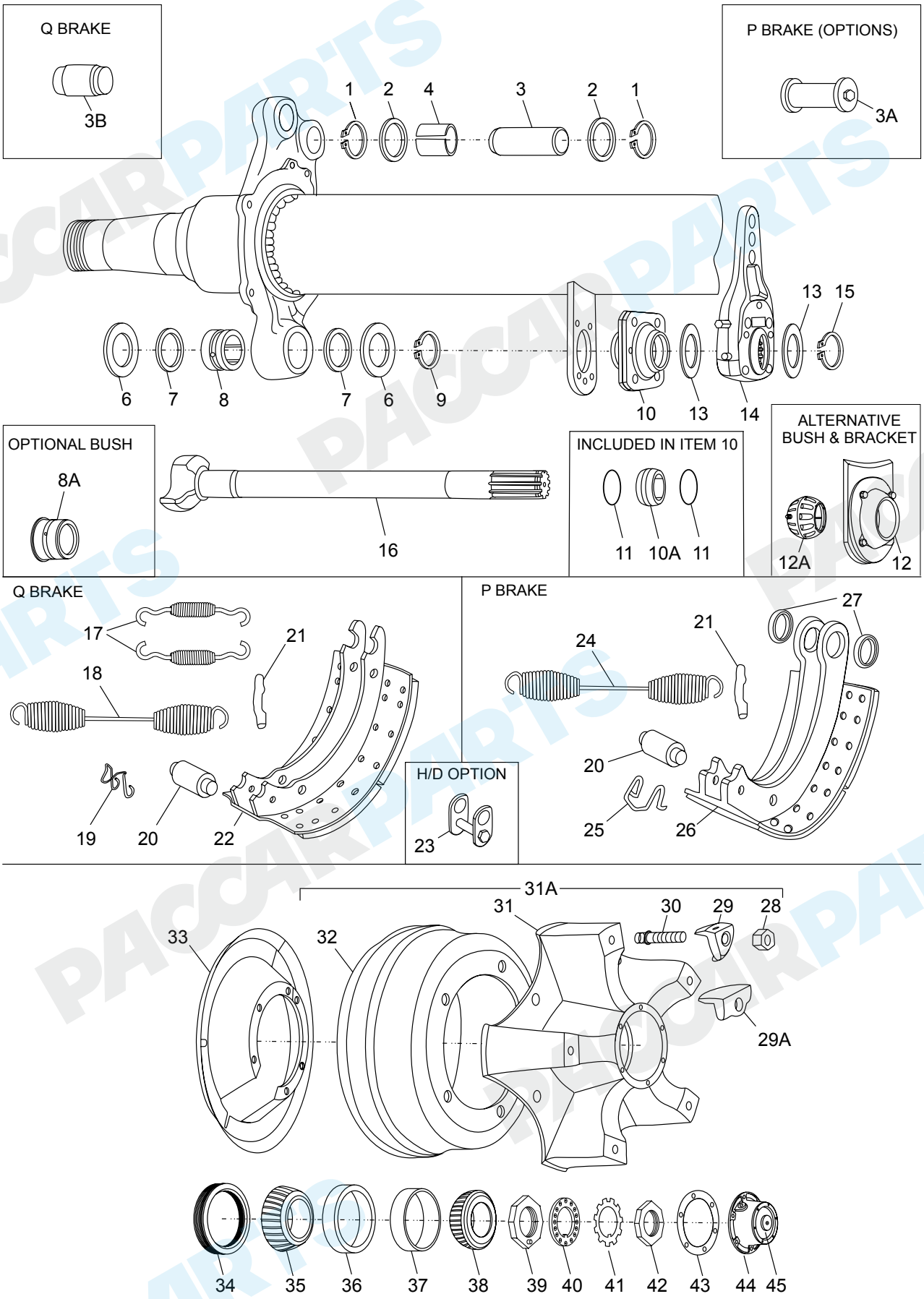


KIC SUDISA 11000 SERIES AXLE
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To suit 1-¼" shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1/16"	8
3	T02-3199	P-Brake Anchor Pin	Circlip (Extension type T02-3198)	4
3A	T02-3200AU	P-Brake Anchor Pin	Bolt on (Extension type T02-3304)	4
3B	T02-3237AU	Q-Brake Anchor Pin		4
4	T02-3207	Anchor Pin Bush	Stainless Steel	4
	T02-3207B		Bronze Lined	4
6	T02-3117	Washer	2" OD x 1-⅝" ID x 1/16"	4
7	T02-3118	Seal		4
8	T02-3151	Cam Bush	2" OD x 1-⅝" ID	2
8A	T02-2238-5	Cam Bush	2" OD x 1-½" ID c/w O Rings	2
9	T02-3100	Circlip	To suit 1-⅝" shaft	2
10	T02-3005	Bracket & Bush Assy	Includes Item 10A & 11	2
10A	T02-3006	Bush		2
11	T02-3007	O-Ring		4
12	T02-3009	Bracket & Bush Assy	Includes Item 12A & 11	2
12A	T02-2107	Inner Cam Bush		2
13	T02-3112	Washer	2" OD x 1-½" ID x 3/64"	4
14	R824000	Slack Adjuster	3 Hole, 10 Spline	2
15	1229Z1118	Circlip	To Suit 1-½" Shaft	4
16	T02-2055QP	LH 'S' Cam 10 Spline	Stepped - Use Bush T02-3151	1
	T02-2056QP	RH 'S' Cam 10 Spline		1
	T02-2067	LH 'S' Cam 10 Spline	Straight - Use Bush T02-2238-5	1
	T02-2068	RH 'S' Cam 10 Spline		1
17	T02-3449	Return Spring	2 per Wheel Q-Brake	4
18	T02-3480	H/D Return Spring	1 per Wheel Q-Brake	2
19	3105B210	Roller Retainer		4
20	T02-3403AU	Smooth Std Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
21	T02-3452	Spring Retainer		4
22	TRP214515Q	Lined Brake Shoe Kit	Services 1 Wheel	2
23	T02-3415AU	H/D Roller Retainer		4
24	MB7016	Extra H/D Return Spring	P-Brake	2
	T02-3451	H/D Return Spring		2
25	T02-3401	Roller Retainer		4
26	TRP214515P	Lined Brake Shoe Kit	Services 1 Wheel	2
27	T02-3302AU	Support Washer	Used With Extension Anchor Pins	8
28	T04-6002	Wheel Nut		10
29	T04-6051	Wheel Clamp		10
29A	NA	Wheel Clamp	Malco Type	2
30	T04-6001	Wheel Stud		10

Note: These axles may use Stepped or Straight 'S'cams, both types use a 2" OD Bush

KIC SUDISA 11000 SERIES AXLE CONTINUED
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

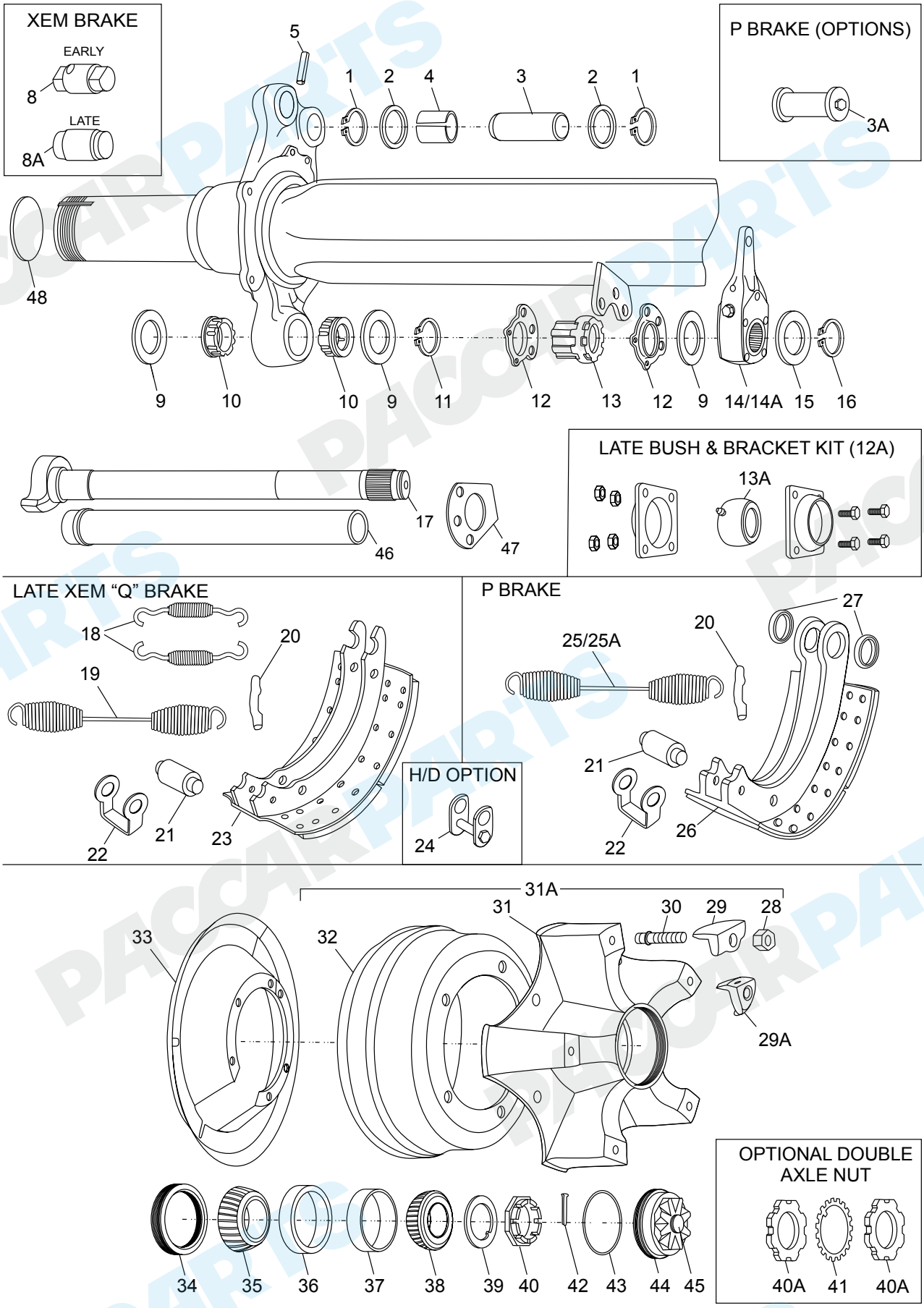


KIC SUDISA 11000 SERIES AXLE CONTINUED
HDTE / KRUEGER / RFS AXLES 16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
31	KH3601/GF	5 Spoke Hub	G.P. Type	2
	NA		Malco Type	2
31A	KH3600/GF	5 Spoke Hub & Drum	G.P. Type	2
	NA		Malco Type	2
32	DB014TRP	Brake Drum	Use with G.P. & Malco Type Hub	2
33	T02-5100	Dust Cover		2
34	T04-STM-0743G	Axle Seal (Grease)		2
35	HM218248T1M	Inner Cone	Refer to Bearing section for Set PN	2
36	HM218210T1M	Inner Cup		2
37	HM212011T1M	Outer Cup		2
38	HM212049T1M	Outer Cone		2
39	T04-4008	Inner Nut	Also Available as Kit PN T04-4011AU	2
40	T04-4007	Lock Washer		2
41	T04-8680	Lock Tab Washer		2
42	T04-4006	Outer Lock Nut		2
43	T04-4042	Gasket	Multi drilled, 5 & 6 hole	2
44	HA4009	6 Hole Hub Cap	Oil Hub (T04-4029ST 5 Hole) Stemco PN : 343-4009	2
	T04-4031CR	6 Hole CR Hub Cap	Oil Hub (T04-4029CR 5 Hole)	2
	98846-046P	6 Hole Hub Cap	Grease Hub	2
45	450434	Plug	CR Cap	2
	359-5990		Stemco Cap	2
Brake Hardware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2411	H/D Brake Kit Q & QPlus-Brake		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt-On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt-On Anchor Pins		2
S-Cam Repair Kits	T02-3108-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2
Axle Nut Kit	T04-4011AU	Axle Nut Kit (contains Item 40-43)	Services 1 Wheel	2

Note: These axles may use Stepped or Straight 'S'cams, both types use a 2" OD Bush

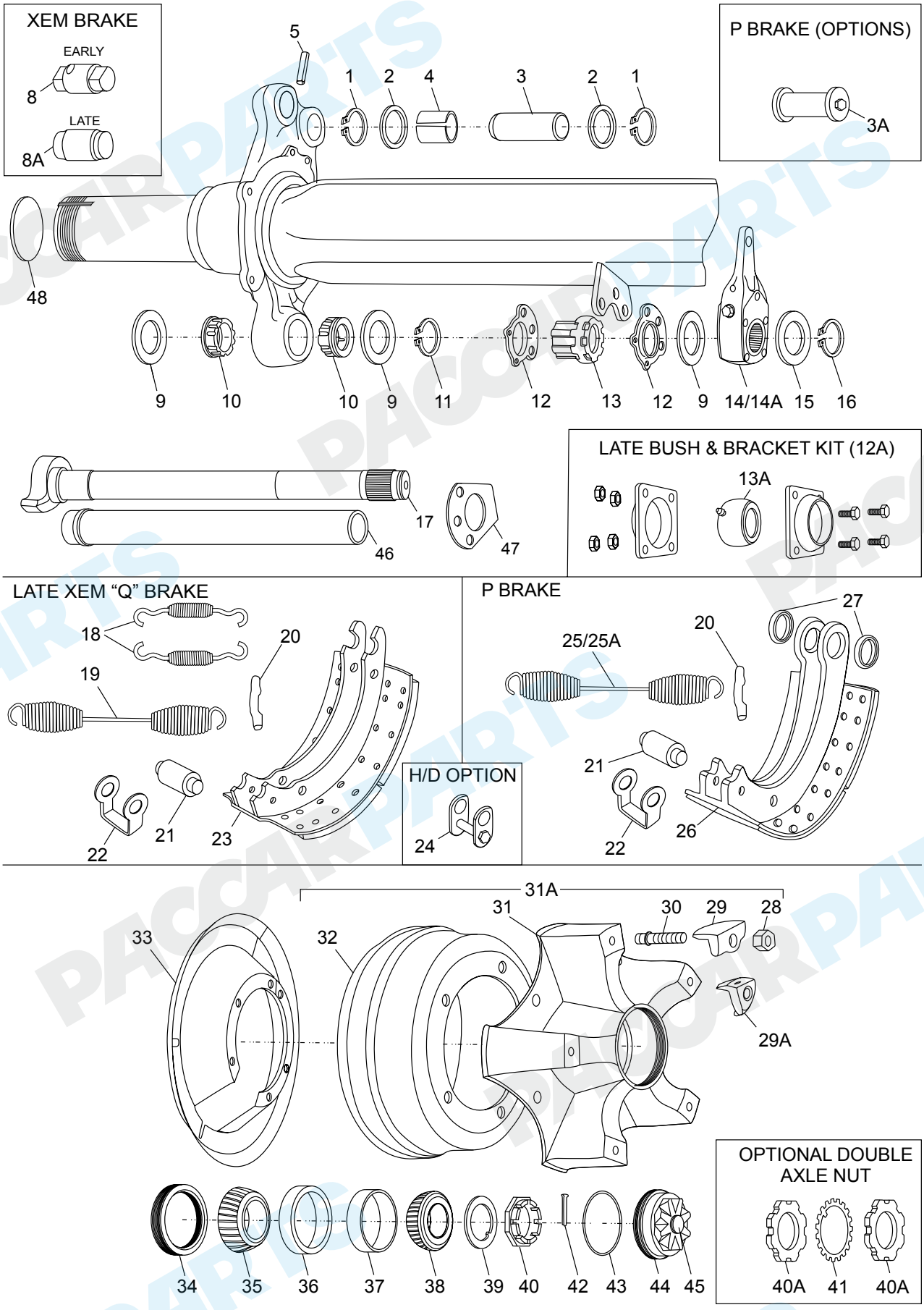
FREUHAUF PROPAR AXLE
16-½" x 7" BRAKES



FREUHAUF PROPAR AXLE
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
1	1229X1116	Circlip	To Suit 1-¼" Shaft	8
2	T02-3203	Washer	1-⅞" OD x 1-¼" ID x 1⁄16"	8
3	T02-3199	P-Brake Anchor Pin	Extended Pin Circlip Type PN T02-3198	4
3A	T02-3200AU	P-Brake Anchor Pin	Extended Pin Bolt On PN T02-3304AU	4
4	T02-3206	Anchor Pin Bush	Stainless Steel Offset Slot - For Circlip Type Anchor Pin	4
	T02-3207		Stainless Steel	4
	T02-3207B		Bronze Lined	4
5	T02-3204	Roll Pin		2
8	T02-3195	Anchor Pin XEM Brake	Early To 1983	4
8A	T02-3238	Anchor Pin XEM Brake	Late From 1983	4
9	T02-3106	Washer	2-⅜" OD x 1-⅝" ID x 1⁄16"	6
10	T02-2203	Bush 'S' Cam Spider		4
11	T02-3100	Circlip	To Suit 1-⅝" Shaft	2
12	NA	Retainer Plate	Early Type	4
12A	E-4594	Bush & Bracket Kit	Late Type	2
13	T02-2102	'S' Cam Bush	Early Type	2
13A	T02-2103	'S' Cam Bush	Late Type	2
14	R824007	Slack Adjuster	1 Hole, 37 Spline	2
14A	61137370EF	Slack Adjuster	3 Hole, 37 Spline	2
15	T02-3102	Washer	2-¼" OD x 1-½" ID x 1⁄16"	2
16	1229Z1118	Circlip	To Suit 1-½" Shaft	2
17	T02-2001	LH 'S' Cam	37 Spline x 537mm For Alternative 'S' Cams, Refer 'S' Cam Product Section 4	1
	T02-2002	RH 'S' Cam		1
18	T02-3449	Return Spring	2 Per Wheel XEM Brake	4
19	T02-3480	H/D Return Spring	1 Per Wheel XEM Brake	2
20	T02-3452	Spring Retainer		4
21	T02-3403AU	Smooth Standard Roller	For Knurled Add 'K' to Part No.	4
	T02-3404AU	Smooth ⅛" O/S Roller		4
	T02-3405AU	Smooth ¼" O/S Roller		4
22	E-3227	Roller Retainer		4
23	KSMA2124515F3	Lined Brake Shoe Kit	XEM Type, Services 1 Wheel	2
24	T02-3415AU	H/D Roller Retainer		4
25	T02-3451	H/D Return Spring	P-Brake	2
25A	MB7016	Extra H/D Return Spring	P-Brake	2
26	KSMA2124515F	Lined Brake Shoe Kit	P Type	2
27	T02-3302AU	Support Washer	Used with Extended Anchor Pins	8
28	T04-6002	Wheel Nut		10
29	KH800146	Wheel Clamp	Malco Type	10
29A	T04-6051	Wheel Clamp	G.P. Type	10
30	T04-6001	Wheel Stud		10
31	KH3601/FF	5 Spoke Hub	Malco Type	2
31A	KH3600/FF	5 Spoke Hub & Drum	Malco Type	2
32	KH3602/FF	Brake Drum		2
33	T02-5100	Dust Cover		2
34	T04-STM-0723TGS	Axle Seal (Grease)		2

FREUHAUF PROPAR AXLE CONTINUED
16-½" x 7" BRAKES



FREUHAUF PROPAR AXLE CONTINUED
16-½" x 7" BRAKES

ITEM NO.	PART NO.	DESCRIPTION	COMMENT	QTY/ AXLE
35	HM518445T1M	Inner Cone	Refer Bearing Table for Set Part No.	2
36	HM518410T1M	Inner Cup		2
37	HM518410T1M	Outer Cup		2
38	HM518445T1M	Outer Cone		2
39	T04-4009	Washer		2
40	A12-0101	Axle Nut		2
40A	T04-4004	Axle Nut	Double Axle Nut Use with 41	2
41	T04-4005	Tab Washer	Use with 2 of 40A	2
42	T04-7501	Split Pin	1" x ¼"	2
	T04-7504		6" x 5/16" Optional Split Pin	2
43	T04-4021	O-Ring Gasket		2
44	KH800205	Hub Cap	Alloy Hub Cap	2
	T04-4024		Lexan Hub Cap	2
	T04-4024H		Use with Hubometer	2
45	T04-4022	Plug	Use with T04-4024	2
46	T02-2086	Cam Enclosure		2
47	T02-2090	Cam Enclosure Plate		2
48	NA	Axle End Plug		2

KIT PART NUMBER LISTING				
Brake Hard-ware Kits	T02-2401	H/D Brake Kit P-Brake with Circlip Anchor Pins	Includes H/D Return Springs Services 1 Wheel	2
	T02-2408	H/D Brake Kit XEM Brake, Late From 1983		2
	T02-2409	H/D Brake Kit XEM Brake, Early To 1983		2
	T02-2412-AU	H/D Brake Kit P-Brake with Std Bolt On Anchor Pins		2
	T02-2413-AU	H/D Brake Kit P-Brake with Extn Bolt On Anchor Pins		2
S-Cam Repair Kits	T02-2301-AU	'S' Cam Bush Kit	Services 1 Axle	1
	T02-2323	'S' Cam Bush Kit, To Suit Late Type Inner Cam Bush		1
	T02-3109-AU	'S' Cam Washer & Clip Kit	Services 1 'S' Cam	2

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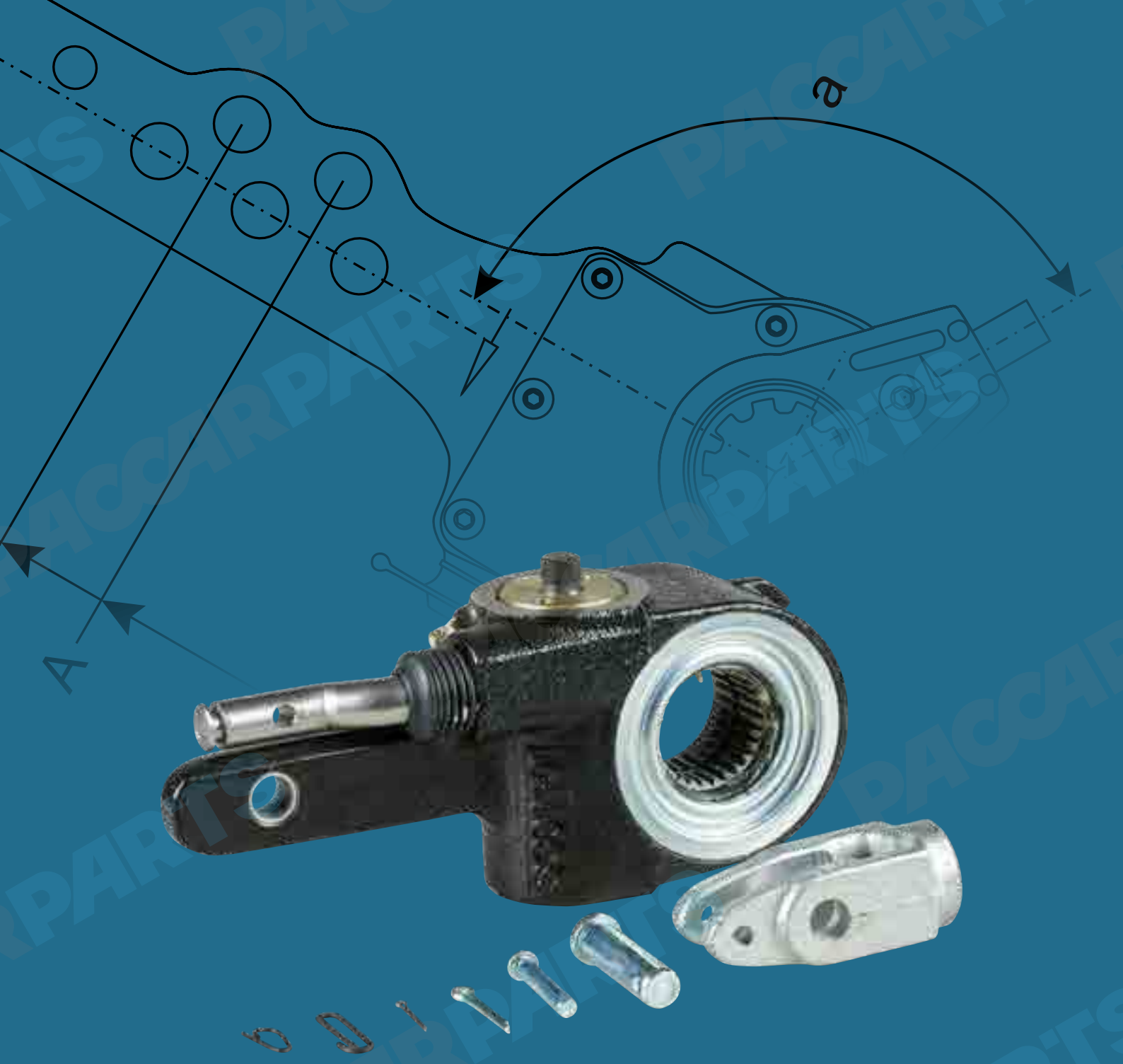


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A worn slack adjuster can cause major problems for your trailer braking system. Selecting the right product just got easier via the product selection charts and tables featured in this section. An exhaustive range of both original equipment and aftermarket brands have been compiled.

SLACK ADJUSTER

SLACK ADJUSTERS

MANUAL	348
AUTOMATIC	350

SLACK ADJUSTER SERVICE PARTS

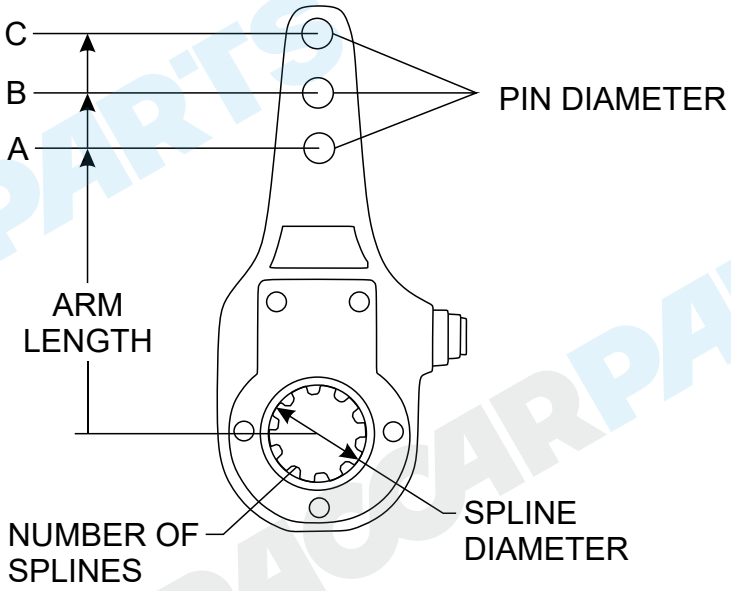
YOKE & PIN ASSEMBLY	352
CLEVIS PIN BUSHES	354
CLEVIS PINS & KITS	356
RETURN SPRINGS	358

TO VIEW THE DIGITAL VERSION OF THE PACCAR PARTS TRAILER CATALOGUE SCAN HERE!

NOTES

NOTES

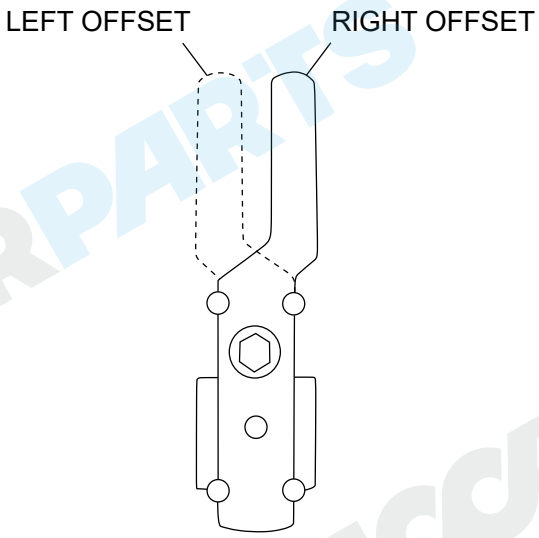
SLACK ADJUSTERS
MANUAL



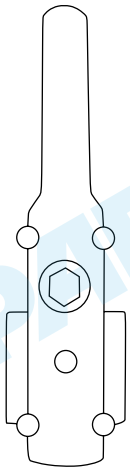
PART NO.	SPLINE DIA.	PIN DIA.	ARM LENGTH			ARM TYPE	BRAND	APPLICATION	REPLACES
			A	B	C				
10 SPLINE									
R824009	1-¼"	½"	4-½"	5-½"		Straight	Meritor	Steer Axle	
R824001 or CWMM1202S	1-½"	½"	5-½"	6-½"	-	Straight	Meritor Crewson	Drive Axle Trailer Axle	WT5023HD FB5019 N21153C FL10-354
R824000 or KH278323EF or CWMM1200S	1-½"	½"	5"	6"	7"	Straight	Meritor Fuwa K Hitch Crewson	Drive Axle GP Trailer Axle with 19mm Adjuster Nut	WT5020HD FB5020 N21153A/51012 FL10-351
T02-5025	1-½"	½"	6"	-	-	Curved Arm	TRP	Suit Low Loader with 12¼" Brakes Rockwell	R002091
617103001EF	1-½"	½"	5"	6"	7"	Curved Arm	Fuwa K Hitch	KK44 Low Loader Axle	
0517452610	1-½"	½"	120 mm	150 mm	180 -250 mm	Straight	BPW	BPW Axles	WT5022 FB5024 100001721/51080 FL10-6351A
0517465130	1-½"	½"	120 -135 mm	150 -165 mm	180 -250 mm	Straight	BPW	BPW Axles	
2175030600	1-½"	½"	5"	5-½"	6"	Offset = 0mm Inclination 20°	SAF	SAF J-Series Axles	
24 SPLINE									
R825020	1-¼"	½"	5-½"			Straight	Meritor	Steer Axle	

DIA - DIAMETER

SLACK ADJUSTERS
MANUAL



OFFSET ARM

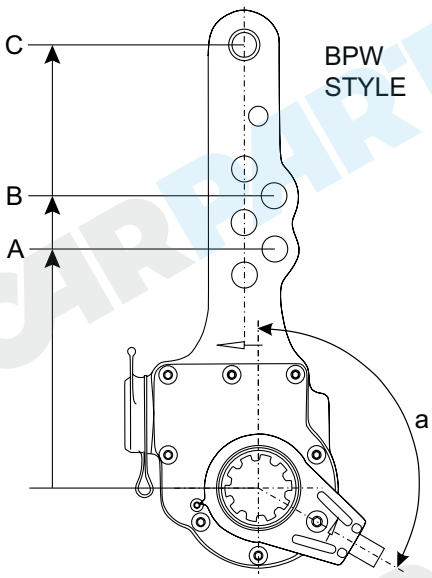


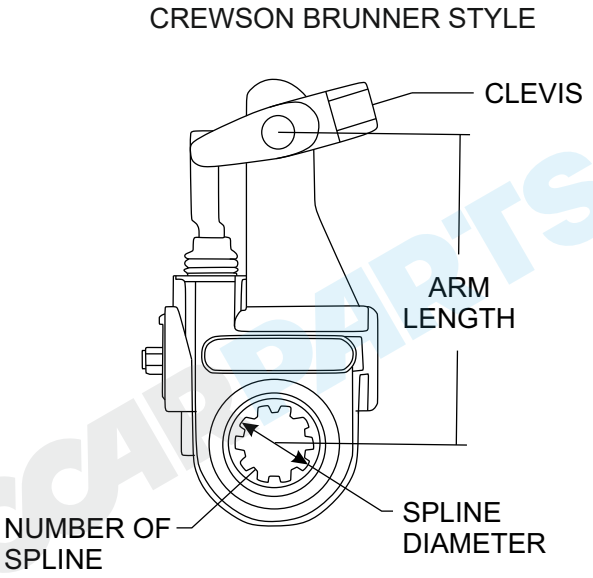
STRAIGHT ARM

PART NO.	SPLINE DIA.	PIN DIA.	ARM LENGTH A	ARM LENGTH B	ARM LENGTH C	ARM TYPE	BRAND	APPLICATION	REPLACES
28 SPLINE									
101289	1-½″	⅝″	5-½″	6-½″	-	Straight	Knorr Bremse	Rockwell Drive Axle	A64-3276X596 Isuzu 1482700790 A5 3275P1446
R824004 or 98834-008	1-½″	½″	5-½″	6-½″	-	Straight	Meritor Hendrickson	Rockwell Drive Axle with 19mm Adjuster Nut	WT5024HD FB5026 N21154C FL10-368 CWMM2202S R822004
R824003 or 98834-004	1-½″	½″	5″	6″	7″	Straight	Meritor Hendrickson	Trailer Axle with 19mm Adjuster Nut Hendrickson	WT5025HD FB5027 N21154A CWMM2200S FL10-355
37 SPLINE									
R824007	1-⅝″	½″	6″			Straight	Meritor	Fruehauf Propar Axle with 19mm Adjuster Nut	WT5021-3HD FB5021 N21155A FL10-367
61137370EF	1-⅝″	½″	5″	6″	7″	Straight	Fuwa K Hitch	Fuwa K Hitch Axle	CWMM3200S

DIA - DIAMETER

SLACK ADJUSTERS
AUTOMATIC

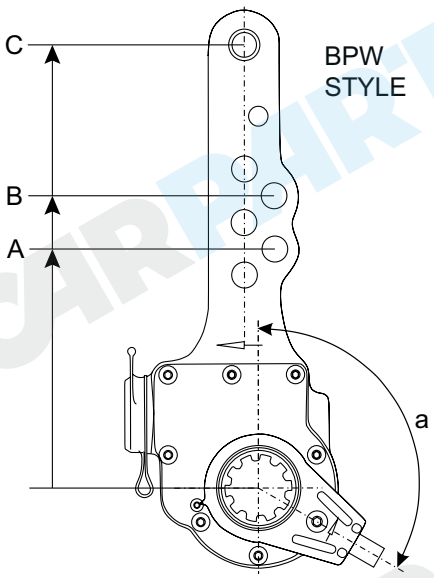


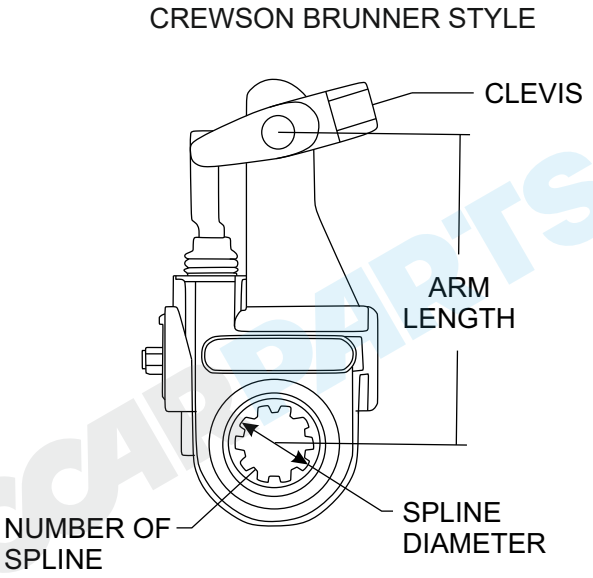


PART NO.	SPLINE DIA.	PIN DIA.	ARM LENGTH A	ARM LENGTH B	ARM LENGTH C	ARM TYPE	BRAND	APPLICATION	REPLACES
10 SPLINE									
ASC21112	1-½″	½″	5″	6″	7″	Straight	Gunite	Trailer Axle	WT5011AS MK21104S
CWMK21103S or T02-5011	1-½″	½″	5″	6″		Straight	Crewson TRP	Trailer Axle	WT5012AS BP21103 FB5015
CWMK21102S or T02-5016	1-½″	½″	5-½″	6-½″		Straight	Crewson TRP	Trailer Axle	WT5016AS BP21102 MK21102S FB5016 ASC21102
CWMK21153S	1-½″	½″	5″	6″		Curved ⅝″	Crewson	Low Loader Trailer Axle/York	79AS004 7921153
ASH10302	1-½″	½″	5″	6″		Curved	Fuwa K Hitch	KK44 Low Loader Axle	
CWMK21704S	1-½″	½″	5″	6″	7″	Straight	Crewson	Extended Clevis ⅝″	WT5011AS FB4970 79AS001 7921104 MK21104S
AS1133	1-½″	½″	6″			Straight	Gunite	Trailer Axle	AS1050 AS1133 51085 KN52200
AS1132	1-½″	½″	5-½″			Straight	Gunite	Drive Axle	AS1049 AS1032
3434350202	1-½″	½″	5″	5-½″	6″	Offset = 0mm Inclination 20°	SAF	SAF Trailer Axle	
0557482433	1-½″	½″	120-135 mm	150-165 mm	180-250 mm	Straight	BPW	BPW - Pairs (Eco-master) 6 Hole - 120°	0557482432 WT5022AS
0517482212	1-½″	½″	120-135 mm	150-165 mm	180-250 mm	Straight	BPW	BPW Eco-master a = 120°	
0517482242	1-½″	½″	120-135 mm	150-165 mm	180-250 mm	Straight	BPW	BPW Eco-master a = 180°	

DIA - DIAMETER

SLACK ADJUSTERS
AUTOMATIC





PART NO.	SPLINE DIA.	PIN DIA.	ARM LENGTH A	ARM LENGTH B	ARM LENGTH C	ARM TYPE	BRAND	APPLICATION	REPLACES
28 SPLINE									
CWMK22102S or T02-5018	1-½″	½″	5-½″	6-½″		Straight	Crewson TRP	Truck & Trailer	WT5014AS 98834-009 BP22102 FB4997
CWMK22103S or T02-5017	1-½″	½″	5″	6″		Straight	Crewson TRP	Truck & Trailer	WT5013AS 98834-013 BP22103
AS1140	1-½″	½″	5-½″			Straight	Gunite	Drive Axle	AS1054 98834-004
AS1141	1-½″	½″	6″			Straight	Gunite	Trailer Axle	AS1055 98834-005
98834-028	1-½″	½″	5″	6″	7″	Straight	Hendrickson	Hendrickson - Kit includes S-24597, S-24596, 98515-004	
98834-029	1-½″	½″	5-½″	6-½″		Straight	Hendrickson	Hendrickson - Kit includes S-24597, S-24596, 98515-004	
R801074	1-½″	⅝″	6″			Straight	Meritor	Truck & Trailer Axle	
37 SPLINE									
ASC23112	1-⅝″	½″	5″	6″	7″	Straight	Gunite	Fuwa K Hitch Axle	
CWMK23103S	1-⅝″	½″	5″	6″		Straight	Crewson	Trailer Axle	WT5015-3AS BP23106 FB5004 KN52260
AS1056	1-⅝″	½″	6″			Straight	Gunite	Fruehauf Propar Axle	

DIA - DIAMETER

SLACK ADJUSTERS SERVICE PARTS
YOKE & PIN ASSEMBLY

MANUAL SLACK ADJUSTERS			
PART NO.	**DESCRIPTION**	**APPLICATION**	**REPLACES**
1203023 	Yoke & Pin Assembly ⅝" x ⅝" Pin ⅝"	Drive Axle	11M018-625 3253625R1
8292001 	Yoke & Pin Assembly ⅝" Threaded Yoke with ½" Clevis Pin	Trailer & Drive Axle	1103023 11M018 3255429R1 A-21420
90040-1 	Yoke & Clevis Pin ⅝" Threaded Long Yoke with ⅝" Clevis Pin	Suits BPW Slack Adjuster	
A-21420 	Clevis Pin - 50mm Includes Clevis Pin & Split Pin	Suits Hendrickson Drum Axle	8292001 1103023 11M018 3255429R1
98870-001 	Extended Clevis Pin - 100mm	Suits Hendrickson Drum Axle	

SLACK ADJUSTERS SERVICE PARTS
YOKE & PIN ASSEMBLY

AUTOMATIC SLACK ADJUSTERS			
PART NO.	**DESCRIPTION**	**APPLICATION**	**REPLACES**
T02-5001 	Booster Yoke Kit ⅝" Threaded Yoke with ½" Clevis Pin Pin Kit to suit is T02-5000	Used with Crewson Brunner Auto Slack Spacing between clevis pin holes is 29mm	MC8120KTS
AS3000 	Booster Yoke Kit ⅝" Threaded Yoke with ½" Clevis Pin	Suits Gunite Auto Slack Adjuster Spacing between clevis pin holes is 26mm	E15061
AS3016 	Collar Lock Yoke Lock Collar ⅝" Threaded Yoke with ½" Clevis Pin	Suits Gunite Auto Slack Adjuster Spacing between clevis pin holes is 26mm	
A31-0301 	Slack Adjuster Adaptor Kit Adaptor Clevis to fit Manual Slack Adjuster	Suits Fuwa K Hitch Low Loader Axle (KK44) with Curved Arm	
CWMC8425KTAS 	Clevis ⅝-18" Offset with Pin Kit (Auto-Check)	Used with Crewson Brunner Auto Slack Adjuster	

SLACK ADJUSTERS SERVICE PARTS
CLEVIS PIN BUSHES

MANUAL SLACK ADJUSTERS			
PART NO.	**DESCRIPTION**	**APPLICATION**	**REPLACES**
201225 	Bush to Suit ½" Pin	Suits Manual Slack Adjuster	E-2307 IT2307
211573 	Bush to Suit ⅝" Pin	Suits Manual Slack Adjuster	

NOTES

SLACK ADJUSTERS SERVICE PARTS
CLEVIS PINS & KITS

MANUAL SLACK ADJUSTERS

PART NO.	DESCRIPTION	APPLICATION	REPLACES
T02-1175 	Clevis Pin ½" Pin x 1-⅜" Long	GP	19X45 1003025
T02-1176 	Clevis Pin ⅝" Pin x 1-⅜" Long		19X42 1013025

AUTOMATIC SLACK ADJUSTERS

PART NO.	DESCRIPTION	APPLICATION	REPLACES
T02-5000 	Clevis Pin Contains: 2x Split Pins 1x ½" Pin & 1x ¼" Pin	Used with Crewson Brunner Auto Slack Adjuster	
AS4004 	Clevis Pin Kit Contains: 6x ½" Clevis Pins 6x ¼" Clevis Pins 12x Cotter Pins	Suits Gunite Auto Slack Adjuster	CQ19113

NOTES

SLACK ADJUSTERS SERVICE PARTS
RETURN SPRINGS

PART NO.	DESCRIPTION	APPLICATION	REPLACES
1447003600 	Return Spring OD: ⅞", 22mm OAL: 185mm	Suits SAF J-Series, Z9-4218, Z9-3720 Axles	
T02-7379 	Return Spring OD: 1", 25mm OAL: 5-⅞", 148mm	Suits BPW Slack Adjuster Suits most G.P. Application	539726030
T02-7378 	Return Spring OD: ⅞", 22mm OAL: 9-1⁄16", 230mm	Suits BPW Slack Adjuster Suits most G.P. Application	0539726020
79786330 	Return Spring OAL: 135mm	Suits York Drum Axles	
T02-8408-0 	Return Spring Kit ½" Clevis Pin OD: 25mm OAL: 148mm	G.P. Type Axles	
A20-0101 	Return Spring OAL: 145mm	Suits Fuwa K Hitch Drum Axle	

OAL - Overall Length

NOTES



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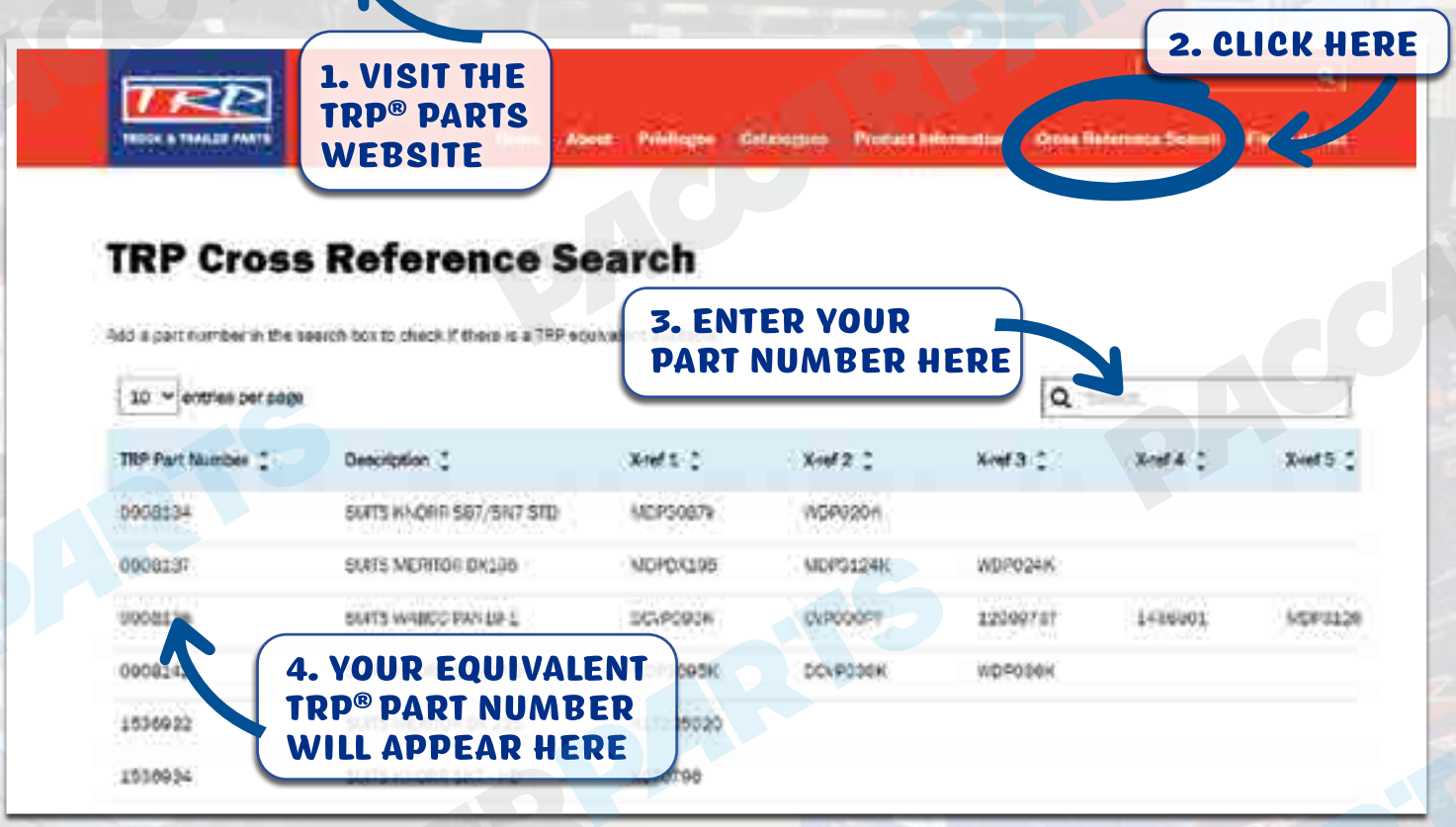
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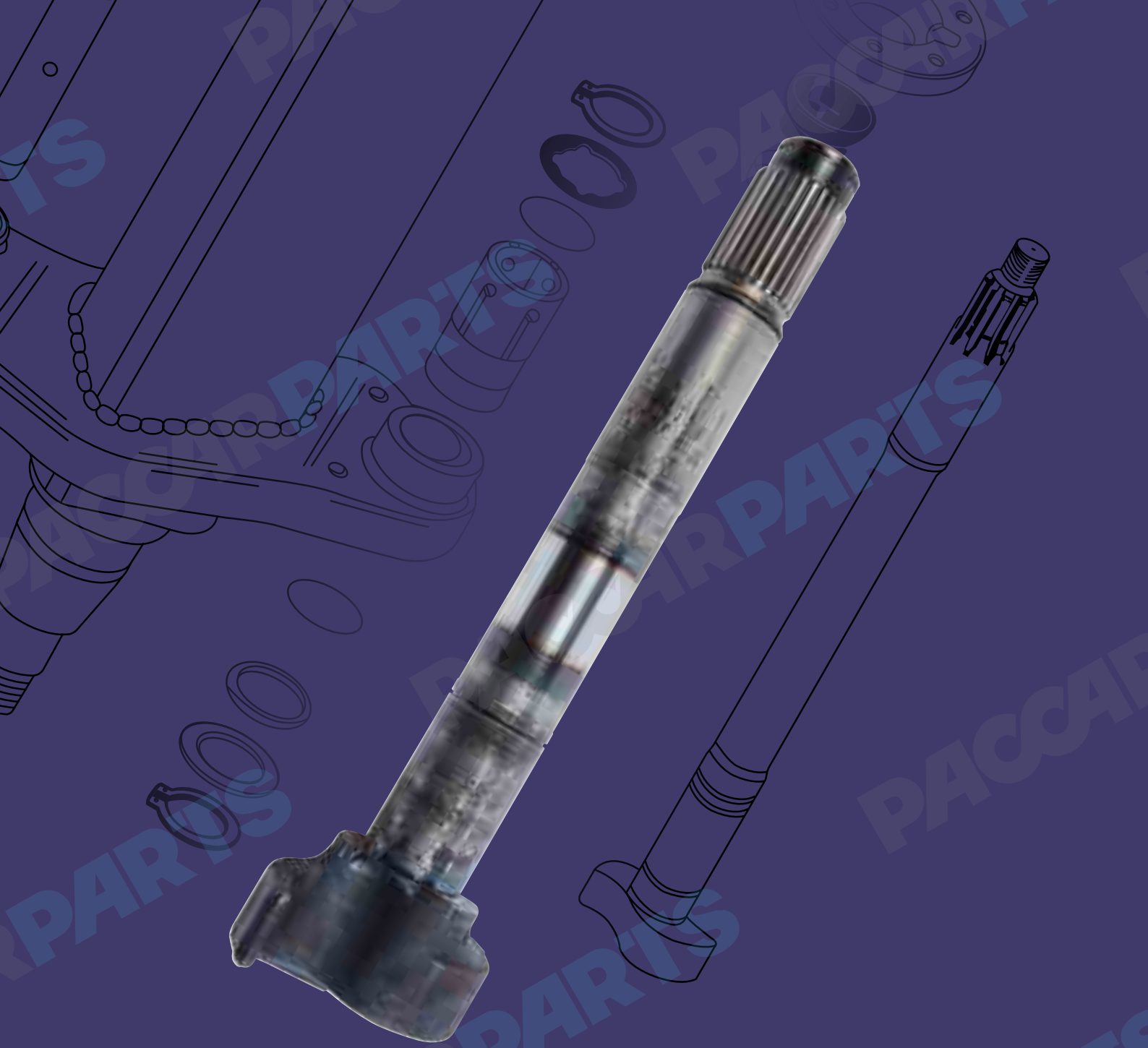
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S—CAM

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S—CAM HARDWARE KITS

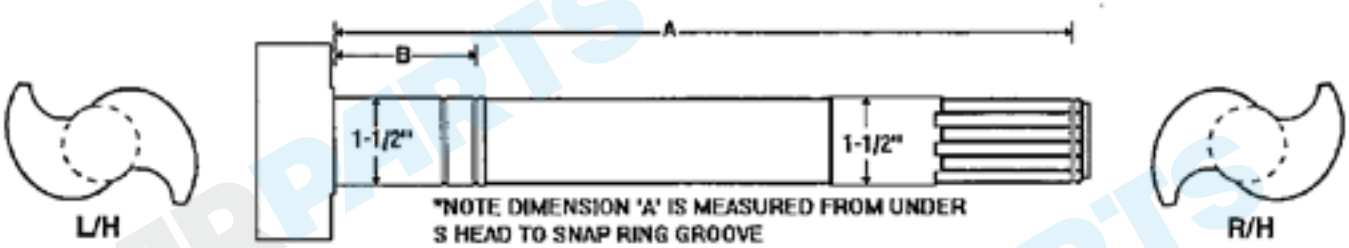
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S—CAM HARDWARE

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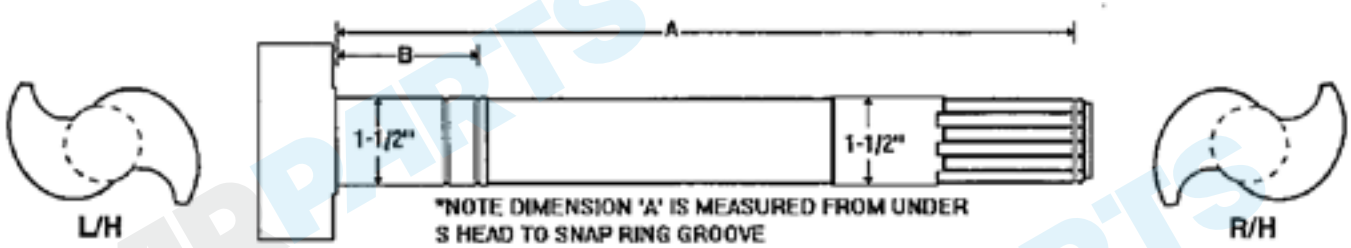
S—CAM
10 SPLINE



1-½" — 1-½" (38mm — 38mm) DIAMETER x 10 SPLINE					
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
T02-2028	LH	286mm 11-¼"	48mm 1-⅞"	▪ General Purpose ▪ Meritor Drive Axle	▪ 41014 ▪ 2210X5354S ▪ FL18-809 ▪ WT2013
T02-2029	RH				▪ 41015 ▪ 2210W5353S ▪ FL18-808 ▪ WT2013
T02-2015	LH	292mm 11-½"	48mm 1-⅞"	▪ Mack Drive Axle ▪ Meritor Drive Axle	▪ 41016 ▪ 2210D5360SW ▪ FL18-811 ▪ WT2031
T02-2016	RH				▪ 41017 ▪ 2210C5359SW ▪ FL18-810 ▪ WT2032
T02-2003	LH	518mm 20-⅜"	56mm 2-7/32"	▪ York 2682, 2782, 2784, 2800 Trailer Axles ▪ Rockwell RN/TN Axle ▪ KIC-Sudisa 10000 Series Axle ▪ G.P. Trailer Axle ▪ Dana D21, D22, K21 & K22 ▪ Freighter MK-V, Ingersoll (IMT) - A22H/F22H Suits Most Trailer Axles without Airbag Suspension	▪ 41506 ▪ WT2003 ▪ FL17-581 ▪ 7950472301LHT ▪ 2210F5414
T02-2004	RH				▪ 41506 ▪ WT2003 ▪ FL17-581 ▪ 7950472301RHT ▪ 2210F5414
C11-0201C-589LH	LH	584mm 23"	57mm 2-¼"	▪ Fuwa K Hitch: KF22 & KF29 Drum Brake Axle ▪ OAL = 589mm	
C11-0201C-589RH	RH				

OAL - OVERALL LENGTH

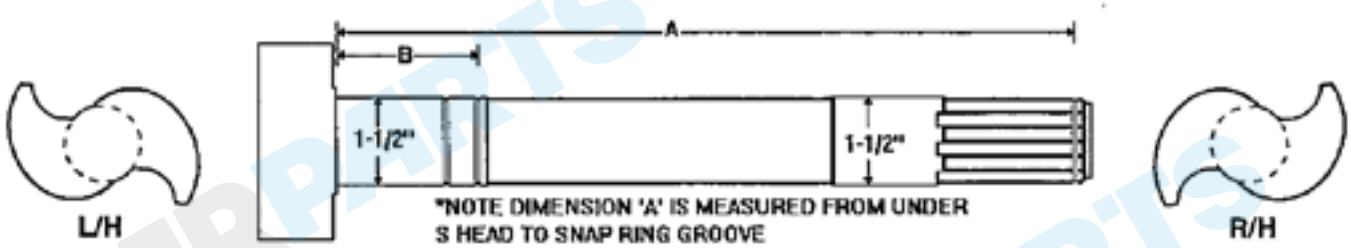
S—CAM
10 SPLINE



1-½" — 1-½" (38mm — 38mm) DIAMETER x 10 SPLINE					
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
T02-2061	LH	595mm 23-7/16"	56mm 2-7/32"	Fuwa K Hitch 1820 Track Axle G.P. Trailer Axle with Airbag Suspension	41522 FL17-575 2210X3118 WT2003F B1116
T02-2062	RH				41523 FL17-574 2210W3117 WT2004F B1116R
C11-0201C-604LH	LH	599mm 23-19/32"	57mm 2-¼"	Fuwa K Hitch: KF12 Drum, KF22 & KF29 Drum OAL = 604mm	
C11-0201C-604RH	RH				
T02-2067	LH	610mm 24"	56mm 2-7/32"	KIC-Sudisa 11T G.P. Trailer Axle with Airbag Suspension	41524 FL17-587 B1118L
T02-2068	RH				41525 FL17-586 B1118R
2262026902	LH	616mm 24-¼"	54mm 2-⅛"	SAF-Holland J-SERIES	WT2360
2262027002	RH				WT2361
T02-2059	LH	619mm 24-⅜"	56mm 2-7/32"	York 2682, 2782, 2784, 2800 Trailer Axles with Airbag Suspension Note: PACCAR Part has one circlip groove on spline end. York & K Hitch versions have a circlip groove either side of the spline	41546 41754 FL17-589 WT2043 7950472317LHT KH3304-0517L 79.504723/17L 2210B6398
T02-2060	RH				41547 41755 FL17-588 WT2044 7950472317RHT KH3304-0517R 79.504723/17R 2210A6397
C11-0201C-627LH	LH	622mm 24-½"	57mm 2-¼"	Fuwa K Hitch: KF22 & KF29 Drum OAL = 627mm	
C11-0201C-627RH	RH				

OAL - OVERALL LENGTH

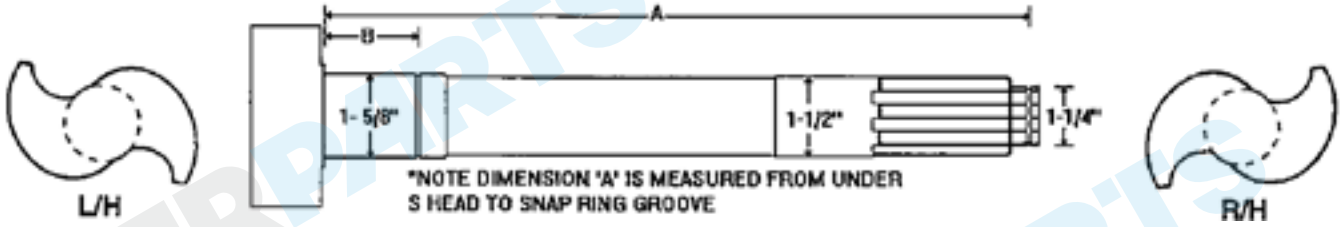
S—CAM CONTINUED
10 SPLINE



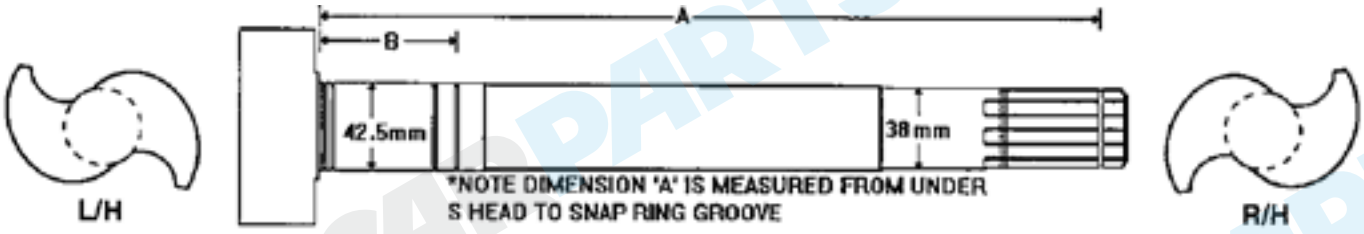
1-½" — 1-½" (38mm — 38mm) DIAMETER x 10 SPLINE — SUITS LOW LOADER & 19.5" AXLES

PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
7950781002LHT	LH	152mm 6"	-	York/Drake Low Loader (311 x 178mm Brakes)	
7950781002RHT	RH				
7950474201LHT	LH	463mm 18-7/32"	55mm 2-5/32"	York: 2783 Drum (311 x 178mm Brakes)	
7950474201RHT	RH				
7979023801LHT	LH	518mm 20-13/32"	55mm 2-5/32"	York: 2950 Drum 19.5" Axle (335 x 210mm Brakes)	
7979023801RHT	RH				
T02-2022	LH	537mm 21-1/8"	67mm 2-21/32"	12-¼" Brakes Dana Early & Late / Standard Forge	41762 WT2025 FL17-685
T02-2023	RH				41763 WT2026 FL17-684
7950474219LHT	LH	554mm 21-25/32"	55mm 2-5/32"	York: 2783 Drum (311 x 178mm Brakes)	
7950474219RHT	RH				
T02-2097	LH	597mm 23-½"	56mm 2-7/32"	12-¼" Brakes Dana/Freghter 19.5" Axle 15" x 8-⅝" Brakes	FL17-581 FB2069
T02-2098	RH				FL17-580 FB2070
7979023819LHT	LH	609mm 23-31/32"	55mm 2-5/32"	York: 2950 Drum 19.5" Axle (335 x 210mm Brakes)	
7979023819RHT	RH				

S—CAM CONTINUED
10 SPLINE



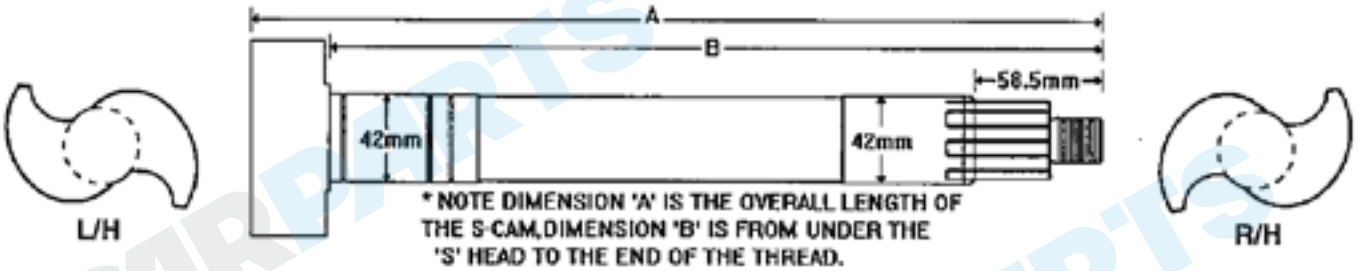
1-⅝" — 1-½" (41mm — 38mm) DIAMETER x 10 SPLINE (Stepped)						
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES	
21227114N	LH	232mm 9-5/32"	-	Fuwa K Hitch: KSS1 Self Steer Drum		
21227113N	RH					
T02-2011	LH	530mm 20-7/8"	43mm 1-11/16"	Rockwell ARN/ATN Trailer Axle Note: Cam 1-¼" Diameter at Lock Ring End	41532 FL17-633	2210W4183 WT2011
T02-2012	RH				41533 FL17-632	2210V4182 WT2012
T02-2055QP	LH	613mm 24-1/8"	46mm 1-13/16"	KIC-Sudisa 11T Axle Rockwell ARN/ATN Trailer Axle with Air Bag Suspension	T02-2055 41752	FL17-643 2210U4181
T02-2056QP	RH				T02-2056 41753	FL17-642 2210R4180
SUITS 19.5" AXLE						
C11-0602C-618LH	LH	613mm 24-1/8"	58mm 2-9/32"	Fuwa K Hitch: KF37 Drum 19.5" Axle (381 x 220mm Brakes) OAL = 618mm		
C11-0602C-618RH	RH					



42.5mm — 38mm (1-11/16" — 1-½") DIAMETER x 10 SPLINE (Stepped)						
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES	
21221071S	LH	518mm 20-13/32"	50mm 1-31/32"	R.O.R TN Metric Axle - Fabricted Brake Spider	T02-2093	21221071
21221070S	RH				T02-2094	21221070
21219257S	LH	521mm 20-½"	57mm 2-¼"	R.O.R TN Metric Axle - Cast Brake Spider	T02-2045 21202755	WT2017
21219258S	RH				T02-2046 21202754	WT2036
SUITS LOW LOADER						
KH3304-2011	LH	600mm 23-5/8"	58mm 2-9/32"	Fuwa K Hitch: KK44 Drum Low loader (311 x 190mm Brakes) OAL = 605mm		
KH3304-2012	RH					

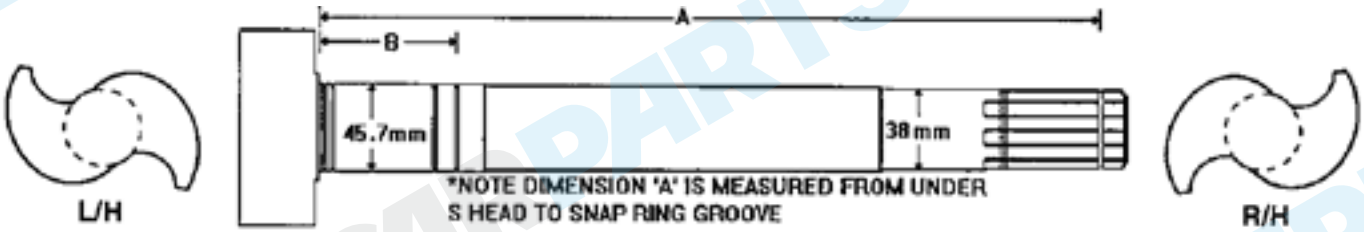
OAL - OVERALL LENGTH

S—CAM CONTINUED
10 SPLINE



42mm — 42mm (1-²¹⁄₃₂″ — 1-²¹⁄₃₂″) DIAMETER x 10 SPLINE (BPW Axle)

PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
0509705174	LH	585mm 23-⅓₂″	551mm 21-¹¹⁄₁₆″	BPW Old Generation Axle	T02-2031, WT2015, 0509705171, 0509705170, FL17-6651A
0509705184	RH				T02-2032, WT2016, 0509705181, 0509705180, FL17-6652A
0509705234	LH	638mm 25-⅛″	604mm 23-²⁵⁄₃₂″	BPW New Generation Axle & Light Weight 9000 Series Axle (to 1994) Excluding Airbag Suspension	T02-2051, WT2023, 0509705231, FL17-6653A
0509705244	RH				T02-2052, WT2024, 0509705241, FL17-6654A
0509705254	LH	663mm 26-³⁄₃₂″	629mm 24-¾″	BPW New Generation Axle, Light Weight 9000 Series Axle & KH/KR Axle (from 1994) Including Airbag Suspension	T02-2063, WT2039, 0509705251, BP7038
0509705264	RH				T02-2064, WT2040, 0509705261, BP7039

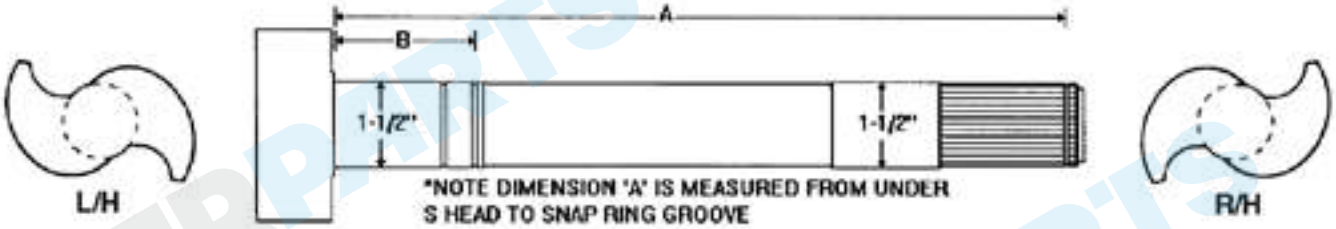


45.7mm — 38mm (1-¹³⁄₁₆″ — 1-½″) DIAMETER x 10 SPLINE (SAF Axle)

PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
2262110902	LH	607mm 23-²⁹⁄₃₂″	50mm 1-³¹⁄₃₂″	SAF-Holland Z9-3720-Dual Wheels Overall Length 669mm	WT2349
2262110802	RH				WT2348
2262111502	LH	637mm 25-³⁄₃₂″	50mm 1-³¹⁄₃₂″	SAF-Holland Z9-4218 NG Axle Overall Length 698 mm	WT2362
2262111402	RH				WT2363

NOTES

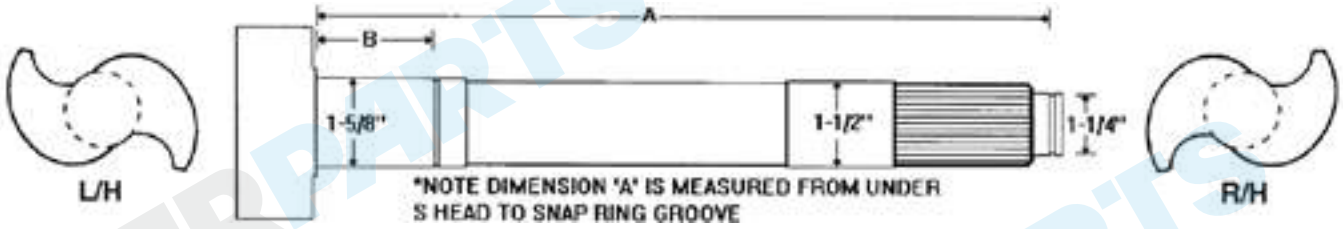
S—CAM
28 SPLINE



1-½" — 1-½" (38mm — 38mm) DIAMETER x 28 SPLINE

PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
2210P7452	LH	237mm 9-5/16"	45mm 1-25/32"	Meritor Steer Axles	2210Q5373S
2210Q7453	RH				2210P5944S
S-24636-1L	LH	280mm 11-1/32"	59mm 2-5/16"	Hendrickson Intraax - 16.5" Brakes with HXS 'S' Cam Profile Also available in Severe Duty Cam & Tube Kit 98881-025. Refer to Cam Tube product section for details	
S-24636-1R	RH				
S-25024-1L	LH	280mm 11-1/32"	64mm 2-½"	Hendrickson Intraax - 15" Brakes with HXS 'S' Cam Profile Also available in Severe Duty Cam & Tube Kit 98881-026. Refer to Cam Tube product section for details.	
S-25024-1R	RH				
2210W7537FW	LH	294mm 11-9/16"	45mm 1-25/32"	Meritor Drive Axles Meritor Genuine	2210A5331 2210A5331SW
2210V7536FW	RH				2210B5332 2210B5332SW
T02-2047	LH	292mm 11-½"	46mm 1-13/16"	Meritor Drive Axles Aftermarket Alternative	41760 WT2021 FL18-739 2210W7537FW
T02-2048	RH				41761 WT2022 FL18-738 2210V7536FW
T02-2095	LH	360mm 14-3/16"	46mm 1-13/16"	Meritor Drive Axles	41264 2210J7628 FL17-577 WT2041 2210S2489
T02-2096	RH				41265 FL17-576 2210H7626 2210R2488 WT2042
2210Q7661	LH	380mm 14-15/16"	45mm 1-25/32"	Meritor Drive Axles	
2210P7660	RH				
2210A7671	LH	386mm 15-3/16"	45mm 1-25/32"	Meritor Drive Axles	2210K5783
2210Z7670	RH				2210L5784
2210W7719	LH	421mm 16-9/16"	45mm 1-25/32"	Meritor Drive Axles	2210M5447
2210V7718	RH				2210N5448

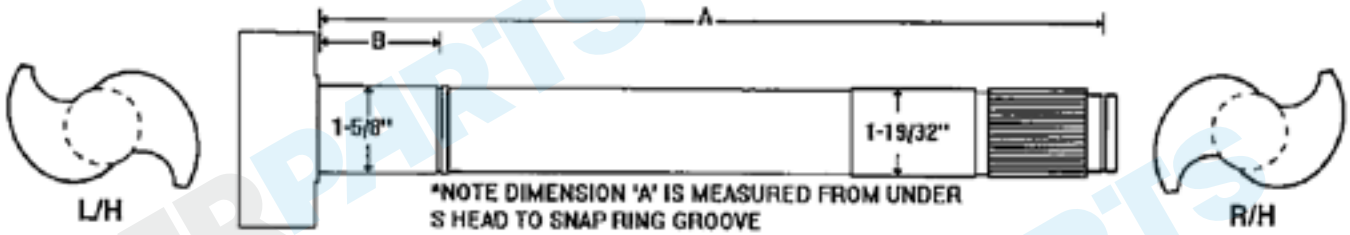
S—CAM
28 SPLINE



1-⅝" — 1-½" (41mm — 38mm) DIAMETER x 28 SPLINE (Stepped)					
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
T02-2043	LH	519mm 20-7/16"	44mm 1-23/32"	Rockwell 4000/6000 Trailer Axle Can use this in place of a 1-½" non stepped camshaft if used in conjunction with bush T02-3147S (It has a 2" O.D.)	41526 2210R4334 FL17-629 WT2027
T02-2044	RH				41527 2210Q4333 FL17-628 WT2028
T02-2071	LH	519mm 20-7/16"	53mm 2-5/64"	Rockwell/Meritor TN & TQ Trailer Axle	2210G6871 FB2079
T02-2072	RH				2210E6870 FB2078
S-30594-11L	LH	545mm 21-7/16"	59mm 2-11/32"	Hendrickson Drop Axle	001886-L215
S-30594-11R	RH				001886-R215
T02-2069	LH	611mm 24-1/16"	53mm 2-5/64"	Rockwell/Meritor TN & TQ Trailer Axle	2210E6869 FB2079
T02-2070	RH				2210E6868 FB2080

1-⅝" — 1-½" (41mm — 38mm) DIAMETER x 28 SPLINE (Stepped, Small Head)					
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES
2210-D-6166	LH	518mm 20-3/8"	44mm 1-¾"	Rockwell TN Axle 'Q' Brake 12-¼" x 7-½" Brakes 15" Trailer Axle	T02-2065 FL17-701 41510 2210D6166
2210-C-6165	RH				T02-2066 FL17-700 41511 2210C6165

S—CAM
37 SPLINE



1-⅝" — 1-⅝" (41mm — 41mm) DIAMETER x 37 SPLINE						
PART NO.	LH RH	DIMENSION A	DIMENSION B	APPLICATION / COMMENTS	REPLACES	
T02-2007	LH	410mm 16-⅛"	55mm 2-⅝2"	Fruehauf Propar - Short	41528 FL17-621	AXA0420-1 WT2007
T02-2008	RH				41529 FL17-620	AXA0420-2 WT2008
T02-2001	LH	537mm 21-⅝2"	55mm 2-⅝2"	Fuwa K Hitch: KF61, KF75 & KF85 Drum Fruehauf Propar - Standard OAL = 543mm	41512 FL17-623 WT2001	C11-0101C-543LH AXA0420-3
T02-2002	RH				41513 FL17-622 WT2002	C11-0101C-543RH AXA0420-4
T02-2024	LH	606mm 23-⅞"	55mm 2-⅝2"	Fuwa K Hitch: KF21 HD, KF61, KF75 & KF85 Drum Fruehauf Propar with Airbag Suspension OAL = 613mm	51095 WT2085 KH800125	C11-0101C-613LH AXA04205 FL17-617
T02-2025	RH				51096 WT2086 KH800126	C11-0101C-613RH AXA04206 FL17-616

OAL - OVERALL LENGTH

NOTES

S—CAM TUBES & HARDWARE
TUBES

BPW AXLE CAM TUBES



Part No.	Application	Overall Length	O.D. Centre	O.D. Ends	I.D. Ends
0509251261	S Cam Tube to Suit 0509705254 & 0509705264 Comes with O-Ring	532mm 20-15/16"	49mm 1-29/32"	46mm / 49mm 1-13/16" / 1-29/32"	42mm 1-21/32"

FUWA K HITCH AXLE CAM TUBES



Part No.	Application	Overall Length	O.D. Ends	I.D. Ends
C30-0201-589	KF22 & KF29 Drum Note: Also Available as Part of Kit C30-0201-589K	476mm 18-23/32"		38mm 1-½"
C30-0201-604	KF12 Drum - KF22 & KF29 Drum Note: Also Available as Part of Kit C30-0201-604K	491mm 19-5/16"		
C30-0201-627	KF22 & KF9 Drum Note: Also Available as Part of Kit C30-0201-627K	514mm 20-7/32"		
C30-0102-543	KF61 Drum - KF75 Drum - KF85 Drum (New Style)	430mm 16-29/32"		41mm 1-5/8"
C30-0101-613	KF21 HD Drum Note: Also Available as Part of Kit C30-0101-613K	500mm 19-21/32"	Tube Dia 50.75mm (2") 55mm (2-5/32") Dia @ Spider	
C30-0102-613	KF21 HD Drum - KF61 Drum - KF75 Drum - KF85 Drum (Old Style) Note: Also Available as Part of Kit C30-0102-613K	500mm 19-21/32"		

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE
TUBES

YORK AXLE CAM TUBES

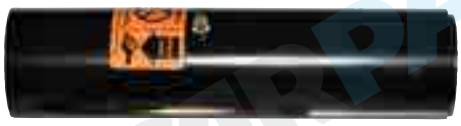


Part No.	Application	Overall Length	O.D. Centre	O.D. Ends	I.D. Ends
T02-2081-Y	Suits York 616mm Long Camshafts Bushes installed both ends Replaces: 79SB78852801	452mm 17-25/32"	49mm 1-15/16"	47.6mm / 49mm 1-7/8" / 1-15/16"	38mm 1-1/2"
T02-2091	Suits York 525mm Long Camshafts – 19.5 Axles Bushes installed both ends Replaces: 79SB78852819	543mm 21-11/32"	49mm 1-15/16"	47.6mm / 49mm 1-7/8" / 1-15/16"	
T02-2085	Suits York 627mm Camshafts Bushes installed both ends Use 79787590 Retainer Plate Replaces: 79SB78852817	553mm 21-3/4"	48.5mm 1-29/32"	48mm 1-7/8"	

HENDRICKSON AXLE CAM TUBES



C-31607-14



98933-011

Part No.	Application	Overall Length	O.D. Centre	O.D. Ends	I.D. Ends
C-31607-14	Loose Axle - Enclosed S-Cam - 15" Includes Seal, Bushes & Grease Fitting	529mm 20-13/16"	54mm 2-1/8"	54mm 2-1/8"	41mm & 38mm 1-5/8" & 1-1/2"
98933-011	Intraax Drum Brake - Enclosed S-Cam (Early) Includes Grease Nipple & O-Ring Note: Also Available as Part of Kits S-31706, 9881-026, S-31703, 98881-025	137mm 5-13/32"	55mm 2-5/32"	55mm 2-5/32"	38mm 1-1/2"

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE CONTINUED
TUBES

GENERAL PURPOSE & EARLY AXLE CAM TUBES



Part No.	Application	Overall Length	O.D. Centre	O.D. Ends	I.D. Ends
T02-2081	Suits All G.P. Axles with Short S–Cams (20-⅜" Long – T02-2003 & T02-2004) Bush Installed Both Ends: T02-2033 Bush Brake Spider End T02-2034 Bush Slack Adjuster End	442mm 17-⅜"	49mm 1-29/32"	48mm 1-⅞"	38mm 1-½"
T02-2084	Suits All G.P. Axles with Long S–Cams (23-7/16" Long – T02-2061 & T02-2062) Possible Option for S–Cams (24" Long – T02-2067 & T02-2068)	525mm 20-11/16"		48mm 1-⅞"	38mm 1-½"
T02-2086	Fruehauf Pro-Par T02-2086 Used with S–Cam PN T02-2001 & T02-2002, Standard S-Cams (Tube can be Cut to suit Shorter Fruehauf S–Cam PN T02-2007 & T02-2008)	456mm 17-15/16"		51mm 2"	42mm 1-21/32"
T02-2086L	Fruehauf Pro-Par T02-2086l Used with S–Cam PN T02-2024 & T02-2025, Long S-Cams	520mm 20-15/32"		51mm 2"	42mm 1-21/32"

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

NOTES

S—CAM TUBES & HARDWARE
TUBE KITS

S-CAM TUBE KITS TO SUIT FUWA K HITCH AXLES				
Kit Part No.	**Application**	**Overall Length**	**I.D. Ends**	**O.D. Ends**
C30-0102-543K 	▌Fuwa K Hitch: - KF61 DRUM - KF75 DRUM - KF85 DRUM ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	430mm 16-29/32"	41mm 1-5/8"	
C30-0201-589K 	▌Fuwa K Hitch: - KF22 & KF29 Drum ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	476mm 18-23/32"	38mm 1-½"	
C30-0201-604K 	▌Fuwa K Hitch: - KF12 Drum - KF22 & KF29 Drum ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	491mm 19-5/16"	38mm 1-½"	

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE
TUBE KITS

S-CAM TUBE KITS TO SUIT FUWA K HITCH AXLES				
Kit Part No.	**Application**	**Overall Length**	**I.D. Ends**	**O.D. Ends**
C30-0101-613K 	▌Fuwa K Hitch: - KF21 HD Drum - Old Style ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	500mm 19-$^{21}/_{32}$"	41mm 1-$^{5}/_{8}$"	Tube Dia 50.75mm (2") 55mm (2-$^{5}/_{32}$") Dia @ Spider
C30-0102-613K 	▌Fuwa K Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum - KF85 Drum ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	500mm 19-$^{21}/_{32}$"	41mm 1-$^{5}/_{8}$"	
C30-0201-627K 	▌Fuwa K Hitch: - KF22 & KF29 Drum ▌Includes: 1 x Cam Tube 1 x Bush 1 x Mounting Plate 1 x Seal 4 x Spacers 1 x O-Ring 2 x Circlips ▌Services 1 S-Cam	514mm 20-$^{7}/_{32}$"	38mm 1-½"	

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE CONTINUED
TUBE KITS

S-CAM TUBE KITS TO SUIT YORK AXLES

Kit Part No.	Application	Overall Length	I.D. Ends	O.D. Ends	O.D. Centre
7978790101 	York: - 2682/RB/2685 Outback Stud Type Drum - 2682/RB Outback Spider Drum - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2800 Heavy Duty Drum - 2950 Drum Includes: 2 x Cam Tube 2 x Seals 2 x Mounting Plate 2 x O-Rings 4 x Circlips 8 x Camshaft Washers 8 x Bolts 8 x Washers Services 1 Axle	452mm 17-25/32"	38mm 1-1/2"	47.6mm /49mm 1-7/8" /1-15/16"	49mm 1-15/16"
7978790117 	York: - 2682/RB/2685 Outback Stud Type Drum - 2682/RB Outback Spider Drum - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2800 Heavy Duty Drum Includes: 2 x Cam Tube 2 x Seals 2 x Mounting Plate 4 x Grease Nipple 2 x O-Rings 4 x Circlips 8 x Camshaft Washers 8 x Bolts 8 x Washers Services 1 Axle	553mm 21-3/4"		48mm 1-7/8"	48.5mm 1-29/32"
7978790119 	York: - 2783 Drum - 2950 Drum Includes: 2 x Cam Tube 2 x Seals 2 x Mounting Plate 4 x Grease Nipple 2 x O-Rings 4 x Circlips 8 x Camshaft Washers 8 x Bolts 8 x Washers Services 1 Axle	542.5mm 21-1/32"		47.6mm /49mm 1-7/8" /1-15/16"	49mm 1-15/16"

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE CONTINUED
TUBE KITS

S-CAM TUBE KITS TO SUIT HENDRICKSON AXLES

Kit Part No.	Application	Overall Length	I.D. Ends	O.D. Ends	O.D. Centre
S-31703 	Hendrickson: - Intraax Drum Brake Enclosed S-Cam (Early) 16.5" Severe Duty Includes: 1 x Cam Tube 2 x Mounting Plate 2 x Circlips 5 x Camshaft Washers 1 x Cam Head Washer 1 x Dust Boot 4 x Bolts 4 x Nuts Services 1 S-Cam	137mm 5-13/32"	38mm 1-½"	55mm 2-5/32"	55mm 2-5/32"
S-31706 	Hendrickson: - Intraax Drum Brake Enclosed S-Cam (Early) 15" Severe Duty Includes: 1 x Cam Tube 2 x Mounting Plate 2 x Circlips 5 x Camshaft Washers 1 x Cam Head Washer 1 x Dust Boot 4 x Bolts 4 x Nuts Services 1 S-Cam	137mm 5-13/32"	38mm 1-½"	55mm 2-5/32"	55mm 2-5/32"

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

S—CAM TUBES & HARDWARE CONTINUED
TUBE KITS

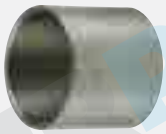
S-CAM TUBE KITS TO SUIT HENDRICKSON AXLES

Kit Part No.	Application	Overall Length	I.D. Ends	O.D. Ends	O.D. Centre
98881-025 	Hendrickson: - Intraax Drum Brake Enclosed S-Cam (Early) 16.5" Severe Duty Cam + Tube Includes: 2 x S-Cam (S-24636-1R & S-24636-1L) 2 x Cam Tube 4 x Mounting Plate 4 x Circlips 10 x Camshaft Washers 2 x Cam Head Washer 2 x Dust Boot 8 x Bolts 8 x Nuts Includes 98881-023(LH) & 98881-024(RH) Services 1 Axle	137mm 5-13/32"	38mm 1-½"	55mm 2-5/32"	55mm 2-5/32"
98881-026 	Hendrickson: - Intraax Drum Brake Enclosed S-Cam (Early) 15" Severe Duty Cam + Tube Includes: 2 x S-Cam (S-25024-1R & S-25024-1L) 2 x Cam Tube 4 x Mounting Plate 4 x Circlips 10 x Camshaft Washers 2 x Cam Head Washer 2 x Dust Boot 8 x Bolts 8 x Nuts Includes both 98881-027(LH) & 98881-028(RH) Services 1 Axle	137mm 5-13/32"		55mm 2-5/32"	55mm 2-5/32"
98111-140 	Hendrickson: - Loose Axle Enclosed S-Cam - 16.5" This kit can be used when converting non-enclosed cam axles to fully enclosed. It may also be used if two new cam tubes are required Includes: 2 x Cam Tube 2 x Seals 2 x Mounting Plate 2 x Grease Nipple 8 x Bolts 8 x Washers Services 1 Axle	525mm 20-21/32"		51mm 2"	51mm 2"

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

NOTES

S—CAM TUBES & HARDWARE
TUBE BUSHES

Part No.	Application	O.D.	I.D.	Length	Material
T02-2034 	To suit most GP S–Cam Tubes using 1-½" Straight S-Cams	41mm 1-⅝"	38mm 1-½"	38mm 1-½"	Steel
BP2055B 	To suit Genuine Freighter Ingersoll (IMT) S-Cam Tube Replaces: T02-2035	43mm 1-$^{11}/_{16}$"	38mm 1-½"	38mm 1-½"	Steel
N0503000100A 	Fuwa K Hitch: - KSS1 Self Steer Drum	48mm 1-⅞"	38mm 1-½"	50mm 2"	Bronze

O.D. - OUTSIDE DIAMETER I.D. - INSIDE DIAMETER

NOTES

S—CAM TUBES & HARDWARE
RETAINER PLATES

Part No.		Application	I.D.	Size	Thickness
E-4739		▪ Universal mounting plates for most G.P. tube applications ▪ Dana Spicer: - Late/Standard Forge - D21/22, K21/22 ▪ Freighter Ingersoll (IMT) ▪ Replaces: T02-2088, T02-2088HD	48mm 1-7/8"	102mm 4" Square	5mm 3/16"
79787590		▪ York Axles: Used with S-Cam Tube T02-2085 ▪ Replaces: T02-2089	51mm 2"	125 x 95mm 4-15/16" x 3-3/4"	4mm 5/32"
T02-2090		▪ Fruehauf: - Pro-par Axle 16-½" x 7" Brakes to be used with S' Cam Tube T02-2086	51mm 2"	135 x 121mm 5-¼" x 4-13/16"	6mm 7/32"
0509PLATE		▪ BPW Axle ▪ S Cam Tube Plate to suit T02-2063 & T02-2064	50mm 1-31/32"	110mm 4-11/32" Diameter	5mm 3/16"
C33-0101		▪ Fuwa K-Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum - KF85 Drum	52mm 2-1/32"	92 x 92mm 3-5/8" x 3-5/8"	6mm ¼"
C33-0201		▪ Fuwa K-Hitch: - KF12 Drum - KF22 & KF29 Drum	49mm 1-29/32"	86 x 86mm 3-3/8" x 3-3/8"	6mm ¼"

I.D. - INSIDE DIAMETER

NOTES

S—CAM HARDWARE KITS
BUSH KITS

BUSH KIT TO SUIT BPW AXLES

Kit Part No.

0509700K1T

- BPW:
  - 9000 Lightweight Axle
  - KH/KR Axle
  - New Generation
  - Old Generation
- Kit Services 1 Axle
- Replaces: T02-2310

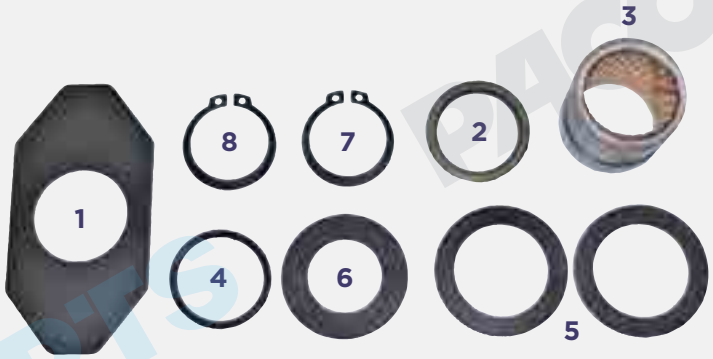
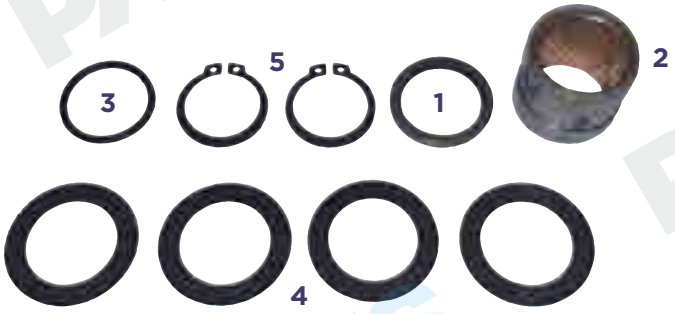


Item	Part No.	Description	Qty
1	0311244340	Bush - Outer Bronze	2
2	NSS	Cap - Grease Nipple	4
3	NSS	Grease Nipple	4
4	0311314040	Bush - Inner Steel	2
5	0322902180	Support Bracket	2
6	0322902190	Support Bracket	2
7	0256760100	Circlip - suits 42mm Shaft	4
8	0331012240	Flanged Washer	2
9	0331081020	Plastic Ring	2
10	0256792300	O' Ring - Green	2
11	0312042020	Seal - Black Nylon	2
12	0256160590	Snap Ring	2
13	0332011161	Disc Washer	2
14	0526014120	Lock Nut - M22 x 1.5	2
15	0312043190	Dust Boot - 41mm ID	2
16	0335030020	Clamp - Dust Boot	2
17	0312042080	Dust Boot - 45mm ID	2
18	0312042090	Dust Boot - 42mm ID	2
19	0311303060	Steel Bush	2

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS
BUSH KITS

BUSH KIT TO SUIT FUWA K HITCH AXLES

Kit Part No.	Item	Part No.	Description	Qty
C13-0101K ▌Fuwa K Hitch: - KF21 Drum (Old Style) ▌Kit Services 1 S-Cam 	1	C12-0101	Washer, Camshaft Spacer	1
	2	KH800161	Seal, Camshaft Outer	1
	3	C13-0101	Camshaft Bush (Spider)	1
	4	C24-0101	O-Ring, Cam Tube Inner	1
	5	C15-0101	Washer, Camshaft Spacer	2
	6	C15-0102	Washer, Slack Adjuster	1
	7	C16-0401	Circlip, Camshaft Inner	1
	8	C16-0101	Circlip, Slack Adjuster	1
C13-0201K ▌Fuwa K Hitch: - KF22 & KF29 Drum ▌Kit Services 1 S-Cam 	1	C14-0201	Seal, Spider Bush	1
	2	C13-0201	Camshaft Bush (Spider)	1
	3	C24-0401	O-Ring, Cam Tube Inner	1
	4	C15-0102	Washer, Camshaft Spacer	4
	5	C16-0501	Circlip, Camshaft Inner	2

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

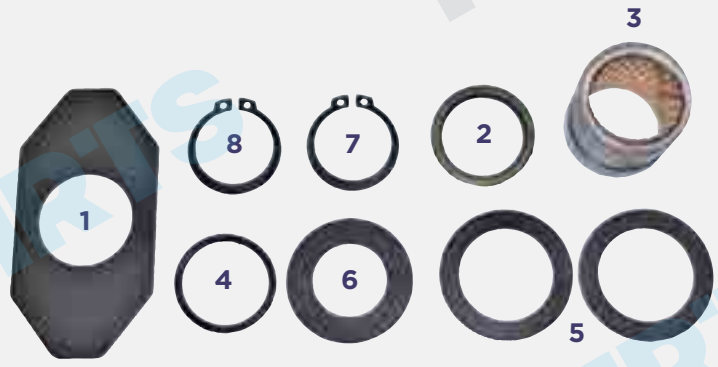
BUSH KIT TO SUIT FUWA K HITCH AXLES

Kit Part No.

C13-0301K

- Fuwa K Hitch:
  - KF21 Drum
  - KF61 Drum
  - KF75 Drum
  - KF85 Drum

- Kit Services 1 S-Cam



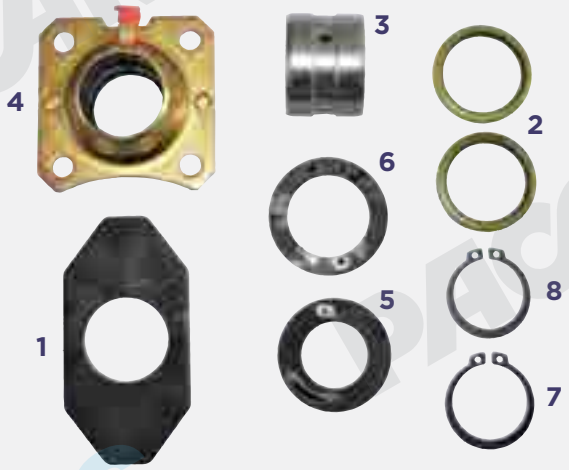
Item	Part No.	Description	Qty
1	C12-0101	Washer, Camshaft Spacer	1
2	C14-0301	Seal, Camshaft Outer	1
3	C13-0301	Camshaft Bush (Spider)	1
4	C24-0101	O-Ring, Cam Tube Inner	1
5	C15-0101	Washer, Camshaft Spacer	2
6	C15-0102	Washer, Slack Adjuster	1
7	C16-0401	Circlip, Camshaft Inner	1
8	C16-0101	Circlip, Slack Adjuster	1

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT FUWA K HITCH AXLES

KF37CBK1T

- Fuwa K Hitch:
  - KF37 Drum
- Kit Services 1 S-Cam



Item	Part No.	Description	Qty
1	C12-0102	Washer, Camshaft Spacer	1
2	C14-0301	Seal, Camshaft	2
3	C13-0301	Camshaft Bush (Spider)	1
4	C20-0201	Bearing Assembly – Camshaft	1
5	C15-0102	Washer, Camshaft Spacer	1
6	C15-0101	Washer, Camshaft Spacer	1
7	C16-0201	Circlip, Camshaft Inner	1
8	C16-0501	Circlip, Camshaft	1

KK44CBK1T

- Fuwa K Hitch:
  - KK44 Drum
- Kit Services 1 S-Cam



Item	Part No.	Description	Qty
1	C12-0301	Washer, Camshaft Spacer	1
2	C24-0501	Seal, Camshaft Outer	2
3	C13-0401	Camshaft Bush (Spider)	1
4	C20-0201	Bearing Assembly - Camshaft	1
5	C15-0102	Washer, Slack Adjuster (Thin)	1
6	C15-0108	Washer, Slack Adjuster (Thick)	1
7	C15-0103	Washer, Camshaft Spacer	1
8	C16-0401	Circlip, Camshaft Inner	1
9	C16-0601	Circlip, Slack Adjuster	1

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT HENDRICKSON AXLES

Kit Part No.	Item	Part No.	Description	Qty
002573 ▌Hendrickson: - Drop Axle S-Cam ▌Suits Support Bearing with Anchor Stud Slot ▌Kit Services 1 Axle 	1	NSS	Support Bearing	2
	2		Bush - Outer	2
	3		Bolt - Support Bearing	8
	4		Nut - Support Bearing	8
	5	B-30593	Seals - S-Cam	4
	6	NSS	Circlips - Assorted	6
	7		Washers - Underhead	2
	8		Washers - Shims	10
S-31964 ▌Hendrickson: - Loose Axle Non-Enclosed S-Cam ▌Suits Support Bearing without Anchor Stud Slot ▌Kit Services 1 Axle 	1	NSS	Support Bearing	2
	2		Bush - Outer	2
	3		Bolt - Support Bearing	8
	4		Nut - Support Bearing	8
	5	B-30593	Seals - S-Cam	4
	6	NSS	Circlips - Assorted	6
	7	C-32017	Washers - Underhead	2
	8	NSS	Washers - Shims	18

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT MERITOR AXLES

T02-2300-AU

- Meritor/Rockwell:
  - RN/TN Axle
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	1229Z1118	Circlip - suits 1-½" Shaft	4
2	T02-2104	Bush - Outer	2
3	T02-3006	Bush - Inner	2
4	79500375	O' Ring	4
5	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	8
6	T02-3122	Seal - Outer Bush	4

T02-2303-AU

- Meritor/Rockwell:
  - ARN/ATN Axle
  - TN Axle
- Note:
  For single type spider bush use kit T02-2322
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	T02-3006	Bush - Inner	2
2	79500375	O' Ring	4
3	T02-3100	Circlip - suits 1-5/8" Shaft	2
4	T02-3117	Washer - suits 1-5/8" Shaft x 1/32" Thick	4
5	T02-3118	Seal - Outer Bush	2
6	T02-3119	Bush - Outer	2
7	T02-3120	Bush - Outer	2
8	T02-3121	Seal - Outer Bush	2
9	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	2
10	1229X1116	Circlip - suits 1-¼" Shaft	2
11	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT MERITOR AXLES

Kit Part No.	Item	Part No.	Description	Qty
T02-2304-AU ▌Meritor/Rockwell: - RN/TN Axle ▌Kit Services 1 Axle  	1	1229Z1118	Circlip - suits 1-½" Shaft x 1/16" Thick	4
	2	T02-3006	Bush - Inner	2
	3	C24-0401	O' Ring	6
	4	T02-3112	Washer - suits 1-½" Shaft x 1/16" Thick	6
	5	T02-3114	Bush - Outer	2
	6	T02-3115	Bush - Outer	2
	7	T02-3122	Seal - Outer Bush	2
T02-2307 ▌Meritor/Rockwell: - TN/TQ Axle ▌Kit Services 1 Axle  	1	T02-3118	Seal - Outer Bush	4
	2	T02-2230	Bush Kit - Inner	2
	3	T02-3005	Bracket & Bush Assembly	2
	4	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
	5	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	2
	6	T02-3095	Washer - 2-⅜" OD x 1-⅝" ID x 3/32" Thick	2
	7	NSS	Bolts	8
	8	T02-3094	Washer - Cam Head (Cup Type)	2
	9	T02-3093	Snap Ring	2
	10	T02-3104	Circlip - suits 1-¼" Shaft x 3/32" Thick	2
	11	1229X1116	Circlip - suits 1-¼" Shaft	2

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT MERITOR AXLES

T02-2312

- Meritor/Rockwell:
  - TN Metric Axle (to June 1991)
- Kit Services 1 S-Cam



Kit Part No.	Item	Part No.	Description	Qty
T02-2312	1	15213430	Bracket & Bush Assembly	1
	2	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	1
	3	T02-3096	D' Washer	1
	4	T02-3175	O' Ring	2
	5	T02-3117	Washer - suits 1-⅝" Shaft x 1/32" Thick	1
	6	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	1
	7	NSS	Bush - Outer Bronze	1
	8	T02-3103	Washer - suits 1-½" Shaft x 1/32" Thick	1
	9	1229Z1118	Circlip - suits 1-½" Shaft	1
	10	T02-3100	Circlip - suits 1-⅝" Shaft	1
	11	1229X1116	Circlip - suits 1-¼" Shaft	1

T02-2313

- Meritor/Rockwell:
  - TN Metric Axle (from June 1991)
- Kit Services 1 S-Cam



Kit Part No.	Item	Part No.	Description	Qty
T02-2313	1	15224821	Bracket & Bush Assembly	1
	2	15213430	Bracket & Bush Assembly	1
	3	NSS	Dust Boot - Large	2
	4		Dust Boot - Short	2
	5		Cable Tie	2
	6	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	1
	7	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	1
	8	NSS	Bevel Washer	1
	9	1229X1116	Circlip - suits 1-¼" Shaft	1
	10	1229Z1118	Circlip - suits 1-½" Shaft	1
	11	T02-7379	Return Spring - Slack Adjuster	1

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT MERITOR AXLES

T02-2322

- Meritor/Rockwell:
  - ARN/ATN Axle
  - TN Axle
- Contains Circlips for Camshafts with narrow or wide grooves
- For two-piece spider bush, use kit T02-2303-AU
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	T02-3151	Bush - Outer	2
2	T02-3117	Washer - suits 1-⅝" Shaft x 1/32" Thick	4
3	T02-3118	Seal - Outer Bush	4
4	T02-3100	Circlip - suits 1-⅝" Shaft	2
5	T02-3112	Washer - suits 1-½" Shaft x 1/16" Thick	2
6	T02-3005	Bracket & Bush Assembly	2
7	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	2
8	1229X1116	Circlip - suits 1-¼" Shaft	2
9	T02-3104	Circlip - suits 1-¼" Shaft x 3/32" Thick	2

K1T9078

- Meritor Drive Axles
- Kit Services 1 Axle
- Replaces: T02-2306



Item	Part No.	Description	Qty
1	T02-3149	Bush	4
2	T02-3141	Seal	4
3	T02-3101	D' Washer	2
4	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
5	T02-3103	Washer - suits 1-½" Shaft x 1/32" Thick	2
6	1229Z1118	Circlip - suits 1-½" Shaft	2

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT MERITOR AXLES

Kit Part No.

T02-2306HD-AU

- Meritor Drive Axles
- Contains Circlips for Camshafts with narrow or wide grooves
- Kit Services 1 Axle
- OE PN: K1T8042 / K1T8042SB (Bronze Bush)



Item	Part No.	Description	Qty
1	T02-2209-5	Bush (Steel)	2
2	T02-2119-5	Bush (Steel)	2
3	T02-3101	D' Washer	2
4	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
5	T02-3103	Washer - suits 1-½" Shaft x 1/32" Thick	2
6	1229Z1118	Circlip - suits 1-½" shaft	2
7	1205G761	Gasket	2
8	T02-3222	Circlip - suits 1-½" Shaft x 3/32" Thick	2

BUSH KIT TO SUIT DANA SPICER AXLES

Kit Part No.

T02-2316

- Dana Spicer:
  - D21/22, K21/22
- Freighter Ingersoll (IMT)
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	T02-3122	Seal - Outer Bush	4
2	T02-3123	Washer - suits 1-½" Shaft x 1/8" Thick	2
3	T02-2104	Bush - Outer	2
4	T02-2107	Bush - Inner	2
5	1229Z1118	Circlip - suits 1-½" Shaft	4
6	1090424	Washer - suits 1-½" Shaft x 3/32" Thick	2
7	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
8	T02-3104	Circlip - suits 1-¼" Shaft x 3/32" Thick	2
9	1229X1116	Circlip - suits 1-¼" Shaft	2
10	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	4

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT DANA SPICER AXLES

Kit Part No. T02-2317

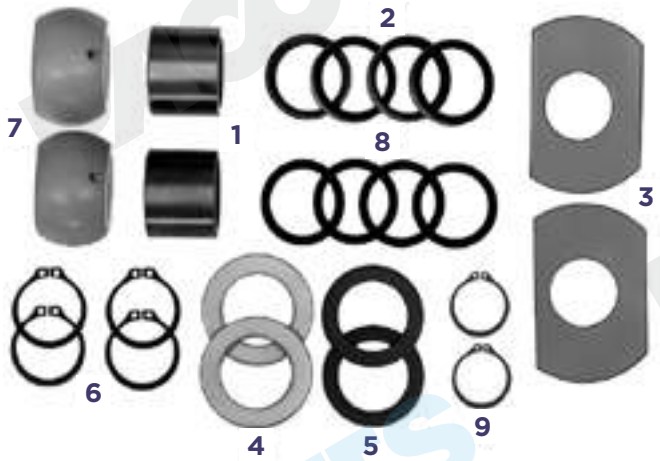
- Dana Spicer:
  - Late/Standard Forge
- Contains Circlips & Washers for both 1-½" & 1-¼" Camshafts
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
2	T02-3103	Washer - suits 1-½" Shaft x 1/32" Thick	2
3	T02-3122	Seal - Outer Bush	4
4	T02-3099	D' Washer	2
5	1229Z1118	Circlip - suits 1-½" Shaft	4
6	T02-2104	Bush - Outer	2
7	T02-2107	Bush - Inner	2
8	1090424	Washer - suits 1-½" Shaft x 3/32" Thick	2
9	NSS	Washer - suits 1-¼" Shaft x 1/16" Thick	2
10	1229X1116	Circlip - suits 1-¼" Shaft	2

Kit Part No. T02-2319

- Dana Spicer:
  - D21/22, K21/22
  - Early/Standard Forge
- Kit Services 1 Axle



Item	Part No.	Description	Qty
1	E-807	Bush - Outer Bronze	2
2	T02-3122	Seal - Outer Bush	4
3	T02-3101	D' Washer	2
4	T02-3123	Washer - suits 1-½" Shaft x 1/8" Thick	2
5	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
6	1229Z1118	Circlip - suits 1-½" Shaft	4
7	T02-2218	Bush - Inner	2
8	NSS	O' Ring	4
9	T02-3104	Circlip - suits 1-¼" Shaft x 3/32" Thick	2

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT FREIGHTER AXLES

T02-2302

- Freighter MK-V
- GP/Haulmark/McGrath/Rockwell

- Note:
  Contains Circlips for Camshafts with Narrow or Wide Grooves
- Kit Services 1 Axle



T02-2301-AU

- Fruehauf Pro-par

- Kit Services 1 Axle



Kit Part No.	Item	Part No.	Description	Qty
T02-2302	1	T02-2201	Bush - Outer (White)	2
	2	T02-2202	Bush - Outer (Yellow)	2
	3	79500362	Bush - Inner	2
	4	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	4
	5	T02-3103	Washer - suits 1-½" Shaft x 1/32" Thick	2
	6	T02-3101	'D' Washer	2
	7	1229Z1118	Circlip - suits 1-½" Shaft x 1/16" Thick	4
	8	T02-3222	Circlip - suits 1-½" Shaft x 3/32" Thick	2
T02-2301-AU	1	1229Z1118	Circlip - suits 1-½" Shaft	2
	2	T02-2102	Bush - Inner	2
	3	T02-2203	Bush - Outer (2 piece)	4
	4	T02-3100	Circlip - suits 1-5/8" Shaft	2
	5	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
	6	T02-3106	Washer - suits 1-5/8" Shaft x 1/16" Thick	6

S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT FRUEHAUF AXLES

Kit Part No.	Item	Part No.	Description	Qty
T02-2323 ▌Fruehauf Pro-par ▌Suits late type Inner Cam Bush ▌Kit Services 1 Axle  	1	1229Z1118	Circlip - suits 1-½" Shaft	2
	2	T02-2103	Bush - Inner	2
	3	T02-2203	Bush - Outer (2 piece)	4
	4	T02-3100	Circlip - suits 1-⅝" Shaft	2
	5	T02-3102	Washer - suits 1-½" Shaft x 1/16" Thick	2
	6	T02-3106	Washer - suits 1-⅝" Shaft x 1/16" Thick	6
	7	1229X1116	Circlip - suits 1-¼" Shaft	2

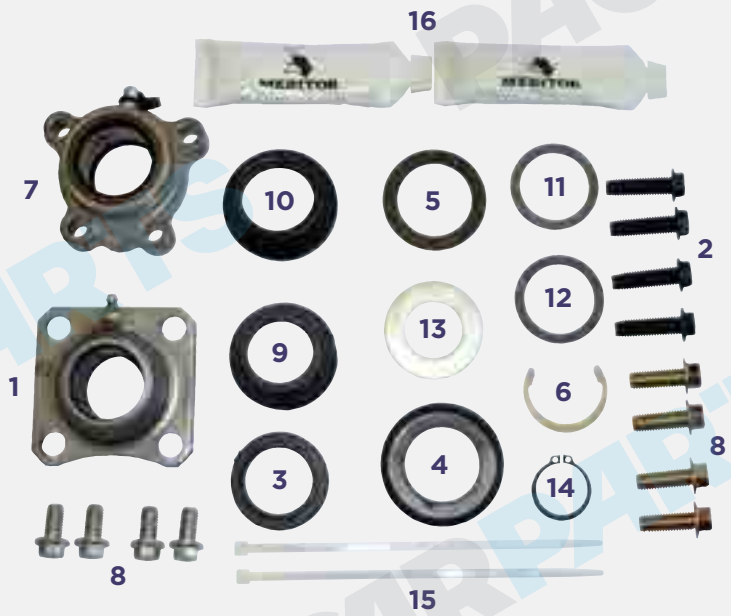
S—CAM HARDWARE KITS CONTINUED
BUSH KITS

BUSH KIT TO SUIT FRUEHAUF AXLES

Kit Part No.

AXL140

- Meritor/Rockwell:
  - TM Metric Axle
- Kit Services 1 S-Cam



Item	Part No.	Description	Qty
1	15213430	Spline End Bearing Assembly	1
2	NSS	Screw, Cam Head Bearing	4
3		Washer Seal, Cam End	1
4		Boot, Cam End	1
5		Washer, Cam End	1
6		Snap Ring, Cam End	1
7		Cam Head Bearing Assembly	1
8		Screw, Spline End Bearing, Long/Short	8
9		Inner Boot, Spline End	1
10		Outer Boot, Spline End	1
11		Washer, Spacing, Thick	1
12		Washer, Spacing, Thin	1
13		Retaining Washer	1
14		Circlip	1
15		Cable Tie	2
16		High Performance Grease, Sachet	2

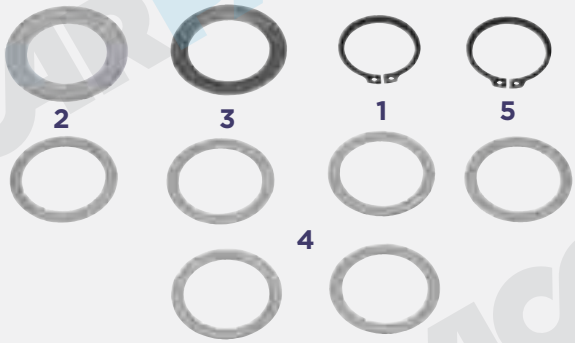
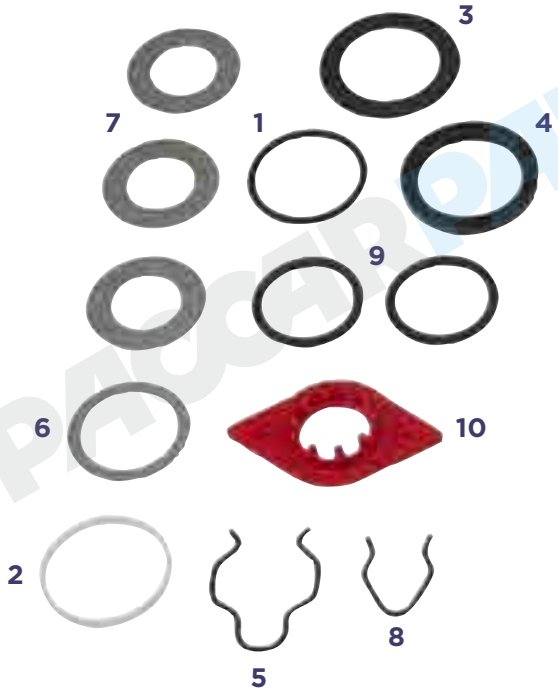
NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS
WASHER & CLIP KITS

Kit Part No.	Item	Part No.	Description	Qty
0980108850 ▌BPW: - 9000 Lightweight Axle - KH/KR Axle - New Generation - Old Generation ▌Kit Services 1x S-Cam 	1	0256760100	Circlip - Suits 42mm Shaft x 2.5mm Thick	2
	2	0331012240	Flanged Washer	1
	3	0256792300	O' Ring - Green	1
	4	0312042020	Seal - 'Black Nylon'	1
	5	0256160590	Snap Ring	1
	6	0332011161	Disc Washer	1
	7	0526014120	Lock Nut - M22 x 1.5	1
	8	0312043190	Dust Boot - 41mm I.D.	1
	9	0335030020	Clamp - Dust Boot	1
	10	0256773742	O' Ring - Black	1
	11	NSS	Grease Fitting	2
	12	NSS	Grease Cap	2

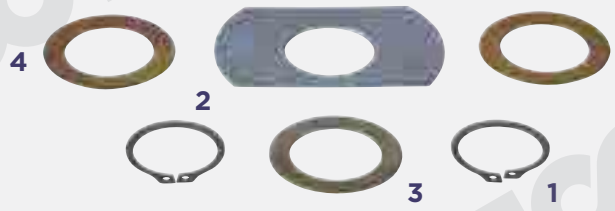
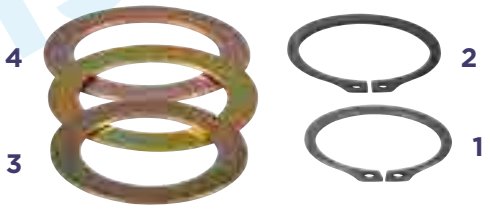
NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS
WASHER & CLIP KITS

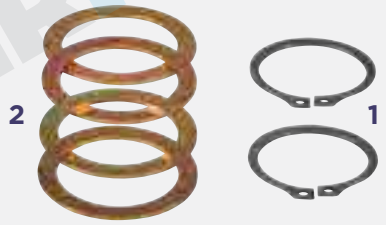
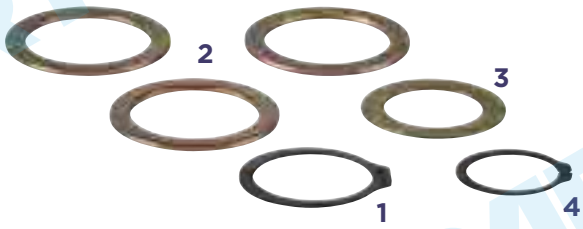
Kit Part No.	Item	Part No.	Description	Qty
3317000400 ▌SAF-Holland J-Series: - RZT 12242/18C & RZT - RZ 12242/18C ▌Kit Services 1x S-Cam 	1	NSS	Circlip	1
	2		Washer - Ø60/38.2 x 1.75	1
	3		Spring Washer	1
	4		Washer - Ø51/38.8 x 1.5	6
	5		Circlip	1
3317001600 ▌SAF-Holland: - Z9-4218 NG Axle - Z9-3720 Dual Wheels ▌Kit Services 1x S-Cam 	1	NSS	O-Ring - Ø45 x 4	1
	2		Spacer - 52,5/46,7 x 4	1
	3		Disc Spring - Ø63/43 x 1,75	1
	4		Shaft Seal - Ø45 x 60 x 7	1
	5		Spring Clamp - Ø39	1
	6		Washer (Knorr) - Ø51/38, 8 x 1,5	1
	7		Washer (Knorr) - Ø51/28, 1 x 1,5	3
	8		Spring Clamp - Ø23	1
	9		O-Ring	2
	10		Wear Indicator	1

NSS - NOT SOLD SEPARATELY

S—CAM HARDWARE KITS CONTINUED
WASHER & CLIP KITS

Kit Part No.	Item	Part No.	Description	Qty
T02-3108-AU ▌Dana Spicer: - D21/22, K21/22 ▌Freighter Ingersoll (IMT) ▌Freighter MK-V ▌GP/Haulmark/McGrath/Rockwell ▌Note: Will Suit Most General Purpose Type Axles ▌Kit Services 1 S-Cam  	1	1229Z1118	Circlip - Suits 1-½" Shaft	2
	2	T02-3101	'D' Washer	1
	3	T02-3102	Washer - Suits 1-½" Shaft x 1/16" Thick	1
	4	T02-3103	Washer - Suits 1-½" Shaft x 1/32" Thick	2
T02-3109-AU ▌Fruehauf Pro-par ▌Kit Services 1 S-Cam  	1	1229Z1118	Circlip - Suits 1-½" Shaft	1
	2	T02-3100	Circlip - Suits 1-⅝" Shaft	1
	3	T02-3102	Washer - Suits 1-½" Shaft x 1/16" Thick	1
	4	T02-3106	Washer - Suits 1-⅝" Shaft x 1/16" Thick	2

S—CAM HARDWARE KITS CONTINUED
WASHER & CLIP KITS

Kit Part No.	Item	Part No.	Description	Qty
T02-3110-AU ▌Meritor/Rockwell - RN/TN Axle ▌Kit Services 1 S-Cam 	1	1229Z1118	Circlip - suits 1-½" Shaft	2
	2	T02-3112	Washer - suits 1-½" Shaft x 1/16" Thick	4
T02-3111-AU ▌Meritor/Rockwell: - ARN/ATN Axle - TN Axle ▌Kit Services 1x S-Cam 	1	T02-3100	Circlip - suits 1-⅝" Shaft	1
	2	T02-3117	Washer - suits 1-⅝" Shaft x 5/64" Thick	3
	3	T02-3203	Washer - suits 1-¼" Shaft x 1/32" Thick	1
	4	1229X1116	Circlip - suits 1-¼" Shaft	1

S—CAM HARDWARE
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-2230 Cam Head S Cam Bush Kit 	Meritor/Rockwell: - TN/TQ Axle - TN Metric Axle Kit Contains: 1x Bolt-in Bush Assembly 2x T02-3118 Seal 1x T02-3094 Cam Head Washer 1x T02-3093 Snap Ring 4x Bolts		38mm 1-½"		Cast Metal
3268004700 Inner S Cam Bush Kit 	SAF-Holland: - Z9-3720-Dual Wheels - Z9-4218 NG Axle Kit Contains: 1x Bolt-in Bush Assembly 2x Rubber Bellow 5x Bolts		38mm 1-½"		Cast Metal
A3105L1078 S Cam Spider Bush 	Meritor/Rockwell: - TN/TQ Axle Can use Bush Kit T02-2230		38mm 1-½"		Cast Metal
0311303060 Spline End S Cam Bush 	BPW: - 9000 Lightweight Axle - KH/KR Axle - New Generation - Old Generation	45mm 1-¾"	37mm 1-15/32"	21mm 27/32"	Steel
1230010604 S Cam Spider Bush 	SAF-Holland: - J-Series RZ 12242/18C - J-Series RZT 12242/18C & RZT	42mm 1-⅝"	38mm 1-½"	45mm 1-¾"	Bronze
T02-3115 S Cam Spider Bush (Inner) 	Meritor/Rockwell: - RN/TN Axle Can use T02-3150 as an option for both T02-3114 & T02-3115	44mm 1-¾"	38mm 1-½"	29mm 1-⅛"	Nylon

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-2104 S Cam Spider Bush 	Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge Freighter Ingersoll (IMT)	47mm 1-⅞″	38mm 1-½″	38mm 1-½″	Nylon
T02-2104S S Cam Spider Bush 	Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge Freighter Ingersoll (IMT) Alternative to T02-2104	47mm 1-⅞″	38mm 1-½″	38mm 1-½″	Steel (Zinc Plated)
E-807 S Cam Spider Bush 	Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge Freighter Ingersoll (IMT) Alternative to T02-2104 Replaces: T02-2104B	47mm 1-⅞″	38mm 1-½″	38mm 1-½″	Bronze
T02-2109 S Cam Spider Bush 	Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge Freighter Ingersoll (IMT) Flanged Bush includes 2x O-Rings, can replace T02-2104 & 2x T02-3122 Seals	47mm 1-⅞″	38mm 1-½″	49mm 1-$^{15}/_{16}$″	Steel (Zinc Plated)
T02-2201/02 S Cam Spider Bush 	Freighter MK-V GP/Haulmark/McGrath/Rockwell Two Piece T02-2201 is White T02-2202 is Yellow Can use T02-2208 as a One-Piece Option Replaces: T02-2201, T02-2202	48mm 1-⅞″	38mm 1-½″	22mm ⅞″ (each bush)	Nylon
T02-3149 Inner S Cam Bush 	Dana Spicer: - Early/Standard Forge Optional Flanged Bushes T02-2209-2, T02-2209-5 & T02-2119-5 are Available	48mm 1-⅞″	38mm 1-½″	30mm 1-$^{3}/_{16}$″	Nylon

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-3150 S Cam Spider Bush 	Meritor/Rockwell: - RN/TN Axle Can be used to replace T02-3114 & T02-3115 for Rockwell RN applications	48mm 1-⅞"	38mm 1-½"	32mm 1-¼"	Nylon
S-20823 S Cam Spider Bush 	Hendrickson: - Intraax Drum Brake Enclosed & Non Enclosed S-Cam (Early) Suits 1-⅞" Journal	48mm 1-⅞"	38mm 1-½"	38mm 1-½"	Sintered Iron Bronze
T02-2209-2 Spline End & Cam Head S Cam Bush 	Mack Drive Axles Eaton Drive Axles Meritor Drive Axles Flanged Version of T02-3149 Includes 1x O-Ring	48mm 1-⅞"	38mm 1-½"	38mm 1-½"	Nylon
T02-2209-5 Spline End & Cam Head S Cam Bush 	Mack Steer & Drive Axles Eaton Steer & Drive Axles Meritor Steer & Drive Axles Flanged Steel Version of T02-3149 Includes 1x O-Ring	48mm 1-⅞"	38mm 1-½"	38mm 1-½"	Steel (Zinc Plated)
C13-0201 S Cam Spider Bush 	Fuwa K Hitch: - KF12 Drum - KF22 & KF29 Drum	48mm 1-⅞"	38mm 1-½"	38mm 1-½"	Steel
T02-3150S S Cam Spider Bush 	Meritor/Rockwell: - RN / TN Axle Option to T02-3150 Flanged Bush Includes 2x O-Rings	48mm 1-⅞"	38mm 1-½"	40mm 1-⁹⁄₁₆"	Steel (Zinc Plated)

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
79786123 S Cam Spider Bush 	▌York: - 2800 Drum	48mm 1-⅞″	38mm 1-½″	45mm 1-¾″	Nylon
79787923 S Cam Spider Bush 	▌York: - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2783 Drum - 2800 Drum - 2950 Drum Replaces: T02-2219	48mm 1-⅞″	38mm 1-½″	45mm 1-¾″	Vesconite
T02-2119-5 Spline End S Cam Bush 	▌Mack Drive Axles ▌Eaton Drive Axles ▌Meritor Drive Axles Flanged Bush includes 1x O-Ring Option to T02-3149	48mm 1-⅞″	38mm 1-½″	45mm 1-¾″	Steel (Zinc Plated)
T02-2108 Inner S Cam Bush 	▌Dana Spicer: - D21/22, K21/22 ▌Freighter Ingersoll (IMT) Early type bush to suit rigid bracket	48mm 1-⅞″	38mm 1-½″	51mm 2″	Nylon
T02-2108B Inner S Cam Bush 	▌Dana Spicer: - D21/22, K21/22 ▌Freighter Ingersoll (IMT) Early type bush to suit rigid bracket Option to T02-2108	48mm 1-⅞″	38mm 1-½″	51mm 2″	Bronze
T02-2200-5 S Cam Spider Bush 	▌Freighter MK-V ▌GP/Haulmark/McGrath/Rockwell Can be used to replace T02-2201 & T02-2202 when brake spider is worn Flanged Bush Includes Lock Ring & 2x O-Rings	48mm 1-⅞″	38mm 1-½″	51mm 2″	Steel (Zinc Plated)

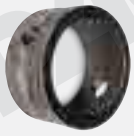
O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
S-22898 S Cam Spider Bush 	Hendrickson: - Intraax Drum Brake - Non Enclosed S-Cam (Early) Suits 2" Journal	51mm 2"	38mm 1-½"	38mm 1-½"	Sintered Iron Bronze
T02-2238-5 S Cam Spider Bush 	KIC-Sudisa - 10T - 11T Will allow 1-½" S Cams to be used on ROR ARN/ATN Axle & 4000 - 6000 Axle	51mm 2"	38mm 1-½"	40mm 1-9⁄16"	Steel (Zinc Plated)
T02-3006 Inner S Cam Bush 	Meritor/Rockwell: - RN/TN Axle - TN/TQ Axle - ARN/ATN Axle - TN Axle KIC-Sudisa - 10T - 11T Can use T02-3005 Bush & Bracket Assembly	54mm 2-⅛"	38mm 1-½"	25mm 1"	Nylon
T02-2218 Inner S Cam Bush 	Dana Spicer: - D21/22,K21/22 Can use T02-2107	62mm 2-7⁄16"	38mm 1-½"	38mm 1-½"	Nylon
T02-2107 Inner S Cam Bush 	Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge Freighter Ingersoll (IMT) KIC-Sudisa - 10T - 11T Can be used to replace T02-2218	63mm 2-½"	38mm 1-½"	44mm 1-¾"	Nylon
79500362 Inner S Cam Bush 	York: - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2783 Drum - 2800 Drum - 2950 Drum Freighter MK-V GP/Haulmark/McGrath/Rockwell Replaces: T02-2101	70mm 2-¾"	38mm 1-½"	64mm 2-½"	Nylon

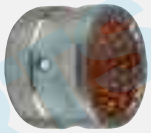
O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-3120 S Cam Spider Bush (Inner) 	▌Meritor/Rockwell: - ARN/ATN Axle - TN Axle Can use T02-3151 as an option for both T02-3019 & T02-3020	48mm 1-7/8"	41mm 1-5/8"	29mm 1-1/8"	Nylon
T02-3119 S Cam Spider Bush (Outer) 	▌Meritor/Rockwell: - ARN/ATN Axle - TN Axle Can use T02-3151 as an option for both T02-3119 & T02-3120	51mm 2"	48mm 1-7/8"	33mm 1-5/16"	Steel
T02-2203 S Cam Spider Bush 	▌Fruehauf Pro-par Two bushes required per brake spider	50mm 1-15/16"	41mm 1-5/8"	22mm 7/8"	Nylon
21225705 S Cam Spider Bush 	▌Fuwa K Hitch: - KSS1 Self Steer Drum Axles manufactured before June 2013	51mm 2"	41mm 1-5/8"	25mm 1"	Steel
1225-N-1158 S Cam Spider Bush 	▌Fuwa K Hitch: - KSS1 Self Steer Drum Axles manufactured after June 2013	51mm 2"	41mm 1-5/8"	25mm 1"	Steel
T02-3151 S Cam Spider Bush 	▌Meritor/Rockwell: - TN Axle - ARN/ATN Axle ▌KIC-Sudisa 11T Can be used to replace T02-3119 & T02-3120 for Rockwell applications Optional Bushes T02-3147B & T02-3147S	51mm 2"	41mm 1-5/8"	30mm 1-3/16"	Nylon

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-3147B S Cam Spider Bush 	▌Meritor/Rockwell: - TN Axle - ARN/ATN Axle ▌KIC-Sudisa 11T Option to T02-3151 Bush includes 2x O-Rings	51mm 2″	41mm 1-⅝″	38mm 1-½″	Bronze
T02-3147S S Cam Spider Bush 	▌Meritor/Rockwell: - TN Axle - ARN/ATN Axle ▌KIC-Sudisa 11T Option to T02-3151 Bush includes 2x O-Rings	51mm 2″	41mm 1-⅝″	40mm 1-⁹⁄₁₆″	Steel (Zinc Plated)
C13-0101 S Cam Spider Bush 	▌Fuwa K Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum Use with Cam Tube C30-0101-543, C30-0101-613	51mm 2″	41mm 1-⅝″	34mm 1-⁵⁄₁₆″	Steel, Bronze Lined
C13-0301 S Cam Spider Bush 	▌Fuwa K Hitch: - KF21 HD Drum - KF22 & KF29 Drum - KF37 Drum - KF61 Drum - KF75 Drum - KF85 Drum Use with Cam Tube C30-0102-543, C30-0102-613	51mm 2″	41mm 1-⅝″	38mm 1-½″	Steel, Bronze Lined
T02-2203S S Cam Spider Bush 	▌Fruehauf Pro-par Flanged Bush Includes Lock Ring & 2x O-Rings	51mm 2″	41mm 1-⅝″	51mm 2″	Steel (Zinc Plated)
T02-2103 Inner S Cam Bush 	▌Fruehauf Pro-par Late Type Bush	64mm 2-½″	41mm 1-⅝″	38mm 1-½″	Nylon

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
BUSHES

Part No.	Application	O.D.	Shaft Size	Overall Length	Material
T02-2102 Inner S Cam Bush 	Fruehauf Pro-par Early Type Bush	73mm 2-⅞"	41mm 1-⅝"	64mm 2-½"	Nylon
0311244340 S Cam Spider Bush 	BPW: - 9000 Lightweight Axle - Old Generation - KH/KR Axle - New Generation Replaces: T02-2217	46mm 1-¹³⁄₁₆"	42mm 1-⅝"	72mm 2-¹³⁄₁₆"	Bronze
0311314040 Inner S Cam Bush 	BPW: - KH/KR Axle - 9000 Lightweight Axle - Old Generation - New Generation Use with 0322902180 & 0322902190 Retainer Plates Replaces: T02-3155, T02-3155S, T02-3155N, 0311314010	62mm 2-⅞"	42mm 1-⅝"	38mm 1-½"	Steel
C13-0401 S Cam Spider Bush 	Fuwa K Hitch: - KK44 Drum	48mm 1-⅞"	43mm 1-¹¹⁄₁₆"	50mm 1-¹⁵⁄₁₆"	Steel (Zinc Plated)
T02-3114 S Cam Spider Bush (Outer) 	Meritor/Rockwell: - RN/TN Axle Can use T02-3150 as an option for both T02-3114 & T02-3115	48mm 1-⅞"	44mm 1-¾"	33mm 1-⅝"	Steel
3268005000 Cam Head S Cam Bush Kit 	SAF-Holland: - Z9-3720 Dual Wheels - Z9-4218 NG Axle Kit Contains: 1x Bolt-in Bush Assembly 2x Rubber Bellow 5x Bolts		46mm 1-¹³⁄₁₆"		Cast Metal

O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE
SUPPORT BRACKETS

SUPPORT BRACKETS

0328555490

- BPW:
  - Old Generation
  - 9000 Lightweight Axle
  - New Generation
- Square Axles Welds to Axle Beam
- Replaces: T02-3018



0322902180

- BPW:
  - New Generation
  - KH/KR Axle
  - 9000 Lightweight Axle
- Used with 0311314040 Steel Bush
- Replaces: T02-3016



0322902190

- BPW:
  - New Generation
  - KH/KR Axle
  - 9000 Lightweight Axle
- Used with 0311314040 Steel Bush
- T02-3017



S-28547

- Hendrickson:
  - Loose Axle Enclosed S-Cam - 15"
- Four Required per Axle



S-25440

- Hendrickson:
  - Intraax Drum Brake
- Pre-2000 Intraax



C20-0201

- Fuwa K-Hitch:
  - KF22 & KF29 Drum
  - KK44 Drum
  - KF37 Drum



S—CAM HARDWARE
SUPPORT BRACKETS

SUPPORT BRACKETS

79786220

- York:
  - 2682/RB/2685 Outback Stud Type Drum
  - 2682/RB Outback Spider Drum
  - 2782/2784/RB/2785 Stud Type Drum
  - 2782/2784 RB Spider Drum
  - 2800 Drum
- Welds to Axle Beam



79500363

- York:
  - 2782/2784/RB/2785 Stud Type Drum
  - 2782/2784 RB Spider Drum
  - 2800 Drum
- Freighter MK-V
- GP/Haulmark/ McGrath/Rockwell
- Used with T02-2101 Bush
- Replaces: T02-3002



79501574

- York:
  - 2783 Drum
  - 2950 Drum
- Replaces: T02R-3019



79787752

- York:
  - 2950 Drum



T02-3005

- Meritor/Rockwell:
  - RN/TN Axle
  - ARN + ATN Axle
  - 4000-6000 Axle
  - TN Axle
  - TN/TQ Axle
- KIC-Sudisa
  - 10T
  - 11T
- Includes Bush T02-3006 & O-ring T02-3007



15213430

- Meritor/Rockwell:
  - TN Metric Axle
- Includes Bush T02-3006 & O-ring T02-3007
- Replaces: T02-2232, T02-3180



S—CAM HARDWARE CONTINUED
SUPPORT BRACKETS

SUPPORT BRACKETS

T02-3008

- Dana Spicer:
  - Early/Standard Forge
  - Late/Standard Forge
- 15" Axles
- Includes Bush T02-2107 & O-ring T02-3007



T02-3009

- Dana Spicer:
  - D21/22, K21/22
- Freighter Ingersoll (IMT)
- KIC-Sudisa
  - 10T
  - 11T
- 20" Axles
- Includes Bush T02-2107 & O-ring T02-3007



T02-3398

- Dana Spicer:
  - D21/22, K21/22
  - Early/Standard Forge
  - Late/Standard Forge
- Freighter Ingersoll (IMT)
- Used with T02-2107 Bush



E-4594

- Fruehauf Pro-par
- Includes T02-2103 Bush
- Replaces: T02-3012



NOTES

S—CAM HARDWARE
CIRCLIPS & RETAINERS

CIRCLIPS

Part No.		Shaft Dia	I.D.	Thickness	Application	Replaces
1229X1116		32mm 1-¼"	29mm 1-5⁄32"	1.6mm 1⁄16"	▌Meritor/Rockwell: - ARN/ATN Axle - TN Axle - TN Metric Axle - TN/TQ Axle ▌Fuwa K Hitch: - KK44 Drum - KSS1 Self Steer Drum ▌Hendrickson: - Intraax Drum Brake - Enclosed & Non Enclosed S-Cam (Early) - Loose Axle Enclosed S-Cam - 15" - Loose Axle Enclosed S-Cam - 16.5"	T02-3205 C16-0601 A-20811 99507030
T02-3104				2.4mm 3⁄32"	▌Meritor Drive Axles Use with Wide Groove S-Cams	
1229Z1118		38mm 1-½"	35mm 1-3⁄8"	1.6mm 1⁄16"	▌Suits all General Purpose Application Axles with 1-½" S-Cams with Standard Width Groove, including: - York - Fuwa K Hitch - Hendrickson - Meritor/Rockwell - Dana Spicer - Freighter - Fruehauf - KIC-Sudisa	A-20808 79500374 C16-0101 T02-3107
C16-0501				1.8mm 1⁄16"	▌Fuwa K Hitch: - KF12 Drum - KF22 & KF29 Drum - KF37 Drum - KSS1 Self Steer Drum	
T02-3222				3mm ⅛"	▌Suits all General Purpose Application Axles with 1-½" S-Cams with Wide Groove	

DIA - DIAMETER I.D. - INSIDE DIAMETER

S—CAM HARDWARE
CIRCLIPS & RETAINERS

CIRCLIPS

Part No.		Shaft Dia	I.D.	Thickness	Application	Replaces
T02-3100		41mm 1-⅝"	38mm 1-½"	1.6mm 1/16"	Suits all General Purpose Application Axles with 1-⅝" S-Cams, including: - Fuwa K Hitch - Meritor/Rockwell - Fruehauf - KIC-Sudisa	C16-0401
C16-0201				2mm 3/32"	Fuwa K Hitch: - KF22 & KF29 Drum - KF37 Drum	
0256760100		42mm 1-21/32"		2.4mm 3/32"	BPW: - Old Generation - New Generation - 9000 Lightweight Axle - KH/KR Axle	T02-3153

SNAP RINGS

Part No.		I.D.	Thickness	Application	Replaces
0256160590		34mm 1-11/32"	2.4mm 3/32"	BPW: - New Generation - KH/KR Axle - 9000 Lightweight Axle	T02-3160
T02-3093		41mm 1-⅝"	2.4mm 3/32"	Meritor/Rockwell: - TN/TQ Axle	

LOCK NUT

Final Part No.		I.D.	Thickness	Application	Replaces
0526014120		M22 x 1.5 32mm A/F (1-¼" A/F)	16mm 5/8"	BPW : - Old Generation - New Generation - 9000 Lightweight Axle - KH/KR Axle	T02-3166 0326014080

DIA - DIAMETER I.D. - INSIDE DIAMETER

S—CAM HARDWARE
SEALS & O' RINGS



O' RINGS

Part No.	I.D.	O.D.	Thickness	Application
79500375	37mm 1-15/32"	48mm 1-7/8"	5.5mm 7/32"	▌York: - 2682/RB/2685 Outback Stud Type Drum - 2682/RB Outback Spider Drum - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2783 Drum - 2800 Drum - 2950 Drum ▌Meritor/Rockwell: - RN/TN Axle - ARN/ATN Axle - TN Axle ▌Dana Spicer: - D21/22, K21/22 ▌KIC-Sudisa - 10T - 11T ▌Replaces: T02-3007
0256773742	38mm 1-1/2"	43mm 1-11/16"	2.8mm 7/64"	▌BPW: - 9000 Lightweight Axle - Old Generation - KH/KR Axle - New Generation ▌Colour: Black ▌Replaces: T02-3162, T02-3175
C24-0401		45mm 1-3/4"	3.6mm 9/64"	▌Fuwa K Hitch: - KF12 Drum - KF22 & KF29 Drum
4315004800		48mm 1-7/8"	5mm 3/16"	▌SAF-Holland: - J-Series RZ 12242/18C - J-Series RZT 12242/18C & RZT

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE
SEALS & O' RINGS



O' RINGS				
Part No.	**I.D.**	**O.D.**	**Thickness**	**Application**
C24-0501	39mm 1-17/32"	44mm 1-21/32"	2.7mm 7/64"	▪ Fuwa K Hitch: - KK44 Drum
0256792300	40mm 1-37/64"	45mm 1-25/32"	2.4mm 3/32"	▪ BPW: - 9000 Lightweight Axle - Old Generation - KH/KR Axle - New Generation ▪ Colour: Green ▪ Replaces: T02-3164
C24-0101	40mm 1-9/16"	47mm 1-27/32"	3.6mm 9/64"	▪ Fuwa K Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum - KF85 Drum
T02-3121	41mm 1-5/8"	48mm 1-7/8"	3mm 1/8"	▪ Meritor/Rockwell: - ARN/ATN Axle - TN Axle

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SEALS & O' RINGS

SEALS				
Part No.	**I.D.**	**O.D.**	**Thickness**	**Application**
T02-3127 	36mm 1-13/32"	48mm 1-7/8"	5mm 7/32"	▌York: - 2682/RB/2685 Outback Stud Type Drum - 2682/RB Outback Spider Drum - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2783 Drum - 2800 Drum - 2950 Drum ▌Replaces: 79787721
S-22885 	37mm 1-15/32"	51mm 2"	4.8mm 3/16"	▌Hendrickson: - Intraax Drum Brake Non Enclosed S-Cam (Early) ▌Suits 2" Journal
B-29332 	37mm 1-15/32"	51mm 2"	6.4mm 1/4"	▌Hendrickson: - Loose Axle - Enclosed S-Cam - 15"

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SEALS & O' RINGS

SEALS					
Part No.		I.D.	O.D.	Thickness	Application
C14-0201		37mm 1-7/16"	48mm 1-7/8"	4.8mm 3/16"	▌Fuwa K Hitch: - KF12 Drum - KF22 & KF29 Drum
T02-3122			48 mm 1-7/8"	6 mm 1/4"	▌Meritor/Rockwell: - RN/TN Axle ▌Dana Spicer: - D21/22, K21/22 - Early/Standard Forge - Late/Standard Forge ▌Freighter Ingersoll (IMT) ▌Suits Most General Purpose Application Axles with 1-1/2" S-Cams
T02-3141			53mm 2-1/16"	6mm 1/4"	▌Meritor Drive Axles ▌Eaton Drive Axles
A-20807		38mm 1-1/2"	48mm 1-7/8"	4.8mm 3/16"	▌Hendrickson: - Intraax Drum Brake Enclosed & Non Enclosed S-Cam (Early) ▌Suits 1-7/8" Journal

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SEALS & O' RINGS

SEALS

Part No.		I.D.	O.D.	Thickness	Application
C14-0301		40mm 1-9/16"	51mm 2"	4.8mm 3/16"	Fuwa K Hitch: - KF21 HD Drum - KF22 & KF29 Drum - KF37 Drum - KF61 Drum - KF75 Drum - KF85 Drum
T02-3118			51mm 2"	7mm 9/32"	Meritor/Rockwell: - ARN/ATN Axle - TN Axle - TN/TQ Axle KIC-Sudisa 11T Suits 1-5/8" S-Cams
KH800161			56mm 2-3/16"	8mm 5/16"	Fuwa K Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum
B-30593		41mm 1-5/8"	51mm 2"	4.8mm 3/16"	Hendrickson: - Loose Axle - Enclosed S-Cam - 15" - Loose Axle - Non-Enclosed S-Cam
0312042020		43mm 1-11/16"	58mm 2-9/32"	5mm 3/16"	BPW: - 9000 Lightweight Axle - New Generation - Old Generation - KH/KR Axle Note: Black Nylon Replaces: T02-3167

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SEALS & O' RINGS

DUST BOOTS

Part No.		I.D.	O.D.	Thickness	Application
0312043100		34mm 1-5/16"	64mm 2-1/2"	25mm 1"	BPW: - 9000 Lightweight Axle - New Generation - KH/KR Axle Replaces: T02-3158
79500686		35mm 1-3/8"	64mm 2-1/2"	22mm 7/8"	York: - 2782/2784/RB/2785 Stud Type Drum - 2782/2784 RB Spider Drum - 2783 Drum - 2800 Drum - 2950 Drum Replaces: T02-2220
0312043190		35mm 1-3/8"	64mm 2-1/2"	25mm 1"	BPW: - New Generation - KH/KR Axle - Old Generation - 9000 Lightweight Axle Replaces: T02-3154, 0312063010
4131000800		37mm 1-7/16"	60mm 2-3/8"	17mm 21/32"	SAF-Holland: - Z9-3720 Dual Wheels - J-Series RZ 12242/18C - J-Series RZT 12242/18C & RZT
1173300200		38mm 1-1/2"	46mm 1-13/16"	24mm 15/16"	SAF-Holland: - J-Series RZ 12242/18C - J-Series RZT 12242/18C & RZT
0312042090		42mm 1-21/32"	53mm 2-3/32"	15mm 19/32"	BPW: - New Generation - KH/KR Axle - Old Generation - 9000 Lightweight Axle
0312042080		45mm 1-25/32"	54mm 2-1/8"	14mm 9/16"	BPW: - New Generation - KH/KR Axle - Old Generation - 9000 Lightweight Axle

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SEALS & O' RINGS

DUST BOOT CLAMPS			
Part No.	**Diameter (Nominal)**	**Width (Nominal)**	**Application**
0335030020 	40mm 1-9/16"	9mm 3/8"	▌BPW: - New Generation - KH/KR Axle - Old Generation - 9000 Lightweight Axle ▌Replaces: T02-3601

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER

NOTES

S—CAM HARDWARE
SPACERS & WASHERS

D WASHERS TO SUIT 1-½" (38mm) SHAFT DIAMETER

Part No.		Shaft Dia	O.D.	Thickness	Application	Notes
T02-3097		38mm 1-½"	89mm x 74mm A/F 3-½" x 2-29/32" A/F	1.6mm 1/16"	Dana Spicer: - Early/Standard Forge	
T02-3101			98mm x 58mm A/F 3-⅞" x 2-9/32" A/F	1.2mm 3/64"	Dana Spicer: - D21/22, K21/22 Freighter - Ingersoll (IMT) - MK-V GP/Haulmark/ McGrath/Rockwell KIC-Sudisa 10T	Suits most General Purpose Application Axles
T02-3099			98mm x 60mm A/F 3-⅞" x 2-⅜" A/F	1.6mm 1/16"	Dana Spicer: - Late/Standard Forge	
C12-0102			124mm x 64mm A/F 4-⅞" x 2-17/32" A/F	2mm 5/64"	Fuwa K Hitch: - KF22 & KF29 Drum - KF37 Drum	
C-32017			108mm x 64mm 4-¼" x 2-½"	1.5mm 1/16"	Hendrickson: - Intraax Drum Brake Enclosed & Non Enclosed S-Cam (Early)	Winged Underhead S-Cam Washer

DIA - DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE
SPACERS & WASHERS

D WASHERS TO SUIT 1-⅝" (41mm) SHAFT DIAMETER

Part No.	Shaft Dia	O.D.	Thickness	Application	Notes
T02-3096 	**41mm 1-⅝"**	98mm x 70mm A/F 3-⅞" x 2-¾" A/F	1.6mm 1/16"	▮ Meritor/Rockwell: - TN Metric Axle	
C12-0101 		130mm x 64mm A/F 5-⅛" x 2-17/32" A/F	2mm 5/64"	▮ Fuwa K Hitch: - KF21 HD Drum - KF61 Drum - KF75 Drum - KF85 Drum	
C-31197 		64mm x 42mm A/F 2-½" x 1-21/32" A/F	1.5mm 1/16"	▮ Hendrickson: - Loose Axle Enclosed S-Cam - 15" - Loose Axle Enclosed S-Cam - 16.5"	Winged Underhead S-Cam Washer

D WASHERS TO SUIT 1-11/16" (42.5mm) SHAFT DIAMETER

Part No.	Shaft Dia	O.D.	Thickness	Application	Notes
C12-0301 	42.5mm 1-11/16"	99mm x 75mm A/F 3-29/32" x 2-15/16" A/F	2mm 5/64"	▮ Fuwa K Hitch: - KK44 Drum	

DIA - DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SPACERS & WASHERS

Washers / Spacers

Part No.		Shaft Dia	O.D.	Thickness	Application	Notes
0332011161		22mm 7/8"	42mm 1-21/32"	10mm 13/32"	BPW: - Old Generation - KH/KR Axle - New Generation - 9000 Lightweight Axle	Replaces: T02-3188
C15-0108		30mm 1-3/16"	50mm 1-31/32"	1mm 3/64"	Fuwa K Hitch: - KK44 Drum	
21219862		30mm 1-3/16"	50mm 1-31/32"	2.5mm 3/32"	Fuwa K Hitch: - KSS1 Self Steer Drum Note: Dished Washer	
T02-3203			48mm 1-7/8"	0.8mm 1/32"	Meritor/Rockwell: - ARN/ATN Axle - TN Axle - TN Metric Axle - TN/TQ Axle	
A-20812		32mm 1-1/4"	47mm 1-27/32"	1.5mm 1/16"	Hendrickson: - Intraax Drum Brake Enclosed & Non Enclosed S-Cam (Early)	
A-31635			57mm 2-1/4"	2.3mm 3/32"	Hendrickson: - Loose Axle Enclosed S-Cam - 15" - Loose Axle Enclosed S-Cam - 16.5"	

DIA - DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SPACERS & WASHERS

Washers / Spacers

Part No.		Shaft Dia	O.D.	Thickness	Application	Notes
1094003400		38mm 1-½″	47mm 1-$^{27}/_{32}$″	1.5mm $^{1}/_{16}$″	▌SAF-Holland: - J-Series RZT 12242/18C & RZT - J-Series RZ 12242/18C	
T02-3112			51mm 2″	1.6mm $^{1}/_{16}$″	▌Meritor/Rockwell: - RN/TN Axle - ARN/ATN Axle - TN Axle ▌KIC-Sudisa - 10T - 11T	
T02-3103			57mm 2-¼″	0.8mm $^{1}/_{32}$″	▌Suits all General Purpose Application Axles with 1-½″ S Cams, including: - York - Fuwa K Hitch - Hendrickson - Meritor/Rockwell - Dana Spicer - Freighter - Fruehauf - KIC-Sudisa ▌Check Thickness Required	
C15-0102				1mm $^{3}/_{64}$″		
T02-3102				1.6mm $^{1}/_{16}$″		Replaces: A-31636 79500358
1090424				2.4mm $^{3}/_{32}$″		Replaces: T02-3105
T02-3123				3mm $^{1}/_{8}$″		Replaces: A-31650 A-20822

DIA - DIAMETER O.D. - OUTSIDE DIAMETER

S—CAM HARDWARE CONTINUED
SPACERS & WASHERS

Washers / Spacers

Part No.		Shaft Dia	O.D.	Thickness	Application	Notes
T02-3117		41mm 1-5/8"	56mm 2-3/8"	2mm 5/64"	▪ Meritor/Rockwell: - ARN/ATN Axle - TN Axle - TN Metric Axle ▪ KIC-Sudisa 11T ▪ General Purpose Application Axles with 1-5/8" S Cams ▪ Check Thickness Required	
C15-0101			60mm 2-3/8"	1mm 3/64"	▪ Fuwa K Hitch: - KF21 HD Drum - KF22 & KF29 Drum - KF37 Drum - KF61 Drum - KF75 Drum - KF85 Drum	
T02-3106			60mm 2-3/8"	1.6mm 1/16"	▪ Fruehauf Pro-par	
T02-3095			60mm 2-3/8"	2.4mm 3/32"	▪ Meritor/Rockwell: - TN/TQ Axle	
T02-3094			70mm 2-11/16"	1.6mm 1/16"	▪ Meritor/Rockwell: - TN/TQ Axle	Cup Type
0331012240		42mm 1-5/8"	55mm 2-3/16"	7mm 9/32"	▪ BPW: - 9000 Lightweight Axle - Old Generation - New Generation - KH/KR Axle	Replaces: T02-3156 & 0331081020 from 1993 T02-3161
C15-0103		42.5mm 1-11/16"	58mm 2-9/32"	2mm 5/64"	▪ Fuwa K Hitch: - KK44 Drum	

DIA - DIAMETER O.D. - OUTSIDE DIAMETER

NOTES



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*Terms and Conditions Apply. BP's National Diesel Offer consists of approximately 290 truck friendly locations. Normal Credit assessment criteria applies.

PacLease
Truck Rental and Leasing

PACCAR FINANCIAL



PACCAR Parts and their network of industry leading manufacturers have contributed to bring you all the information you need to find the right brake shoe components to suit your application.

Our range features a comprehensive list of both Original Equipment and leading aftermarket brands with clear illustrations, so you can shop with confidence.

BRAKING

BRAKE SHOE

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BRAKE SHOE HARDWARE

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TO VIEW THE DIGITAL VERSION OF THE PACCAR PARTS TRAILER CATALOGUE
SCAN HERE!

BRAKE SHOE
IDENTIFICATION & INFORMATION

'P' Brake vs 'Q' Brake

The identification of brake shoes can usually be carried out visually by identifying certain features of the shoe. These features are as follows:

A Brake shoe diameter

B Brake shoe width

C Anchor pin design

The common range of brake shoes available are as shown in the further pages, along with application, part numbers, brake shoe options as well as the linings & rivets required.

The two groups of brake shoes that create the greatest confusion in identification are as follows:

16 ½" x 7" Brake Shoes – 'P' Brake

A Fruehauf Propar 'P' Brake (Old & new design)

Compared to

B G.P. 'P' Brake

16 ½" x 7" Brake Shoes – 'Q' Brake

A Fruehauf Propar 'XEM' Brake (Early & late design)

Compared to

B G.P. 'Q' Brake

While visual inspection is the quickest means of identification, it is by no means fool proof due to the large number of manufacturers producing some or all of the above shoes, often with slight variations.

The following guidelines outline two methods of identification.

A The visual method identification.

B Using a simple tool available from PACCAR PARTS
Refer to Brake Shoe ID Tool Information

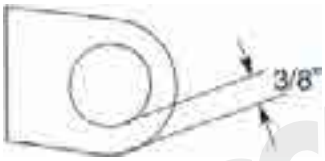
VISUAL IDENTIFICATION

- Fruehauf Propar 'P' Brake Shoe
- G.P. 'P' Brake Shoe

Old style Fruehauf has a large boss, with an offset hole. May have 'F' stamped on web



New style Fruehauf has a parallel type web with a central hole. May have 'F' stamped on web



G.P. style has a large boss, with a central hole. May have 'T' stamped on web



- Fruehauf Propar 'XEM' Brake Shoe
- Rockwell G.P. 'Q' Brake Shoe

Early style Fruehauf XEM



Late style Fruehauf XEM



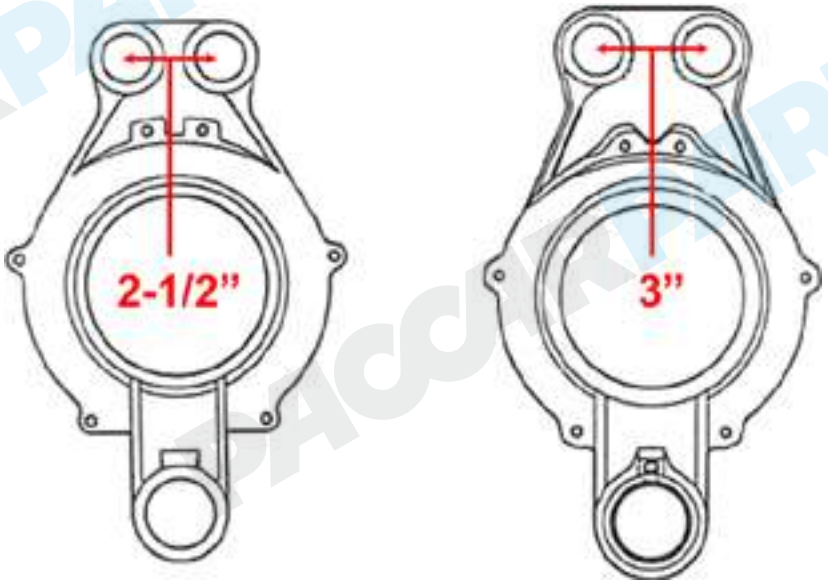
G.P. 'Q' Brake



BRAKE SHOE
IDENTIFICATION & INFORMATION

How to Identify G.P. or Propar 'P' Brake & 'Q' / XEM Brakes

BRAKE SPIDER



G.P. Brake Spider Fruehauf/Propar Brake Spider

NOTES

BRAKE SHOE
ID TOOL INFORMATION

BRAKE SHOE IDENTIFICATION – TOOL P/N E-3863A

The tool shown was developed to simplify identification of the difference between the General Purpose 16-½" x 7" P and Q Brakes.

PROCEDURE – 16-½" X 7" BRAKE SHOES – 'P' BRAKE

1. Insert the large diameter of the double step button **(marked A)** into the anchor pin hole as shown in **Fig. 1**

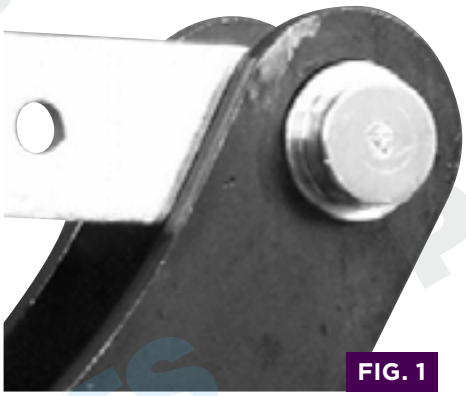


FIG. 1

2. Swing the tool on the button until the arm comes in contact with the back of the shoe. See **Fig. 2**



FIG. 2

---

3. The small button **(marked R)** on the opposite end of the tool seats neatly into the roller slot, see **Fig. 3**, then the brake shoe is a G.P. type. If the small button will not seat in the roller slot, see **Fig. 4** (approx. 4-5mm clearance), then the brake is a Fruehauf Propar 'P' Brake



FIG. 3 General Purpose

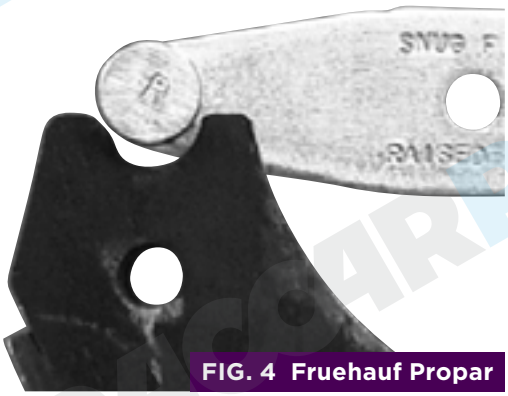


FIG. 4 Fruehauf Propar

BRAKE SHOE
ID TOOL INFORMATION

BRAKE SHOE IDENTIFICATION – TOOL P/N E-3863A

The tool shown was developed to simplify identification of the difference between the General Purpose 16-½" x 7" P and Q Brakes.

PROCEDURE – 16-½" X 7" BRAKE SHOES – 'Q' / XEM BRAKE

1. Insert the large diameter of the double step button **(marked A)** into the anchor pin hole as shown in **Fig. 5**

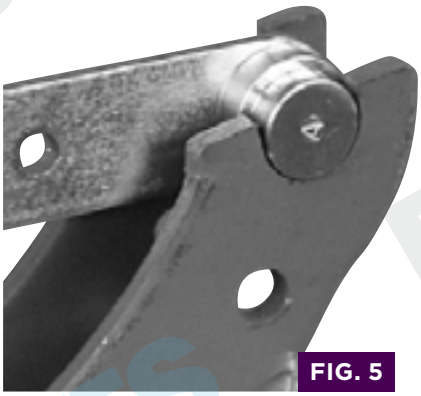


FIG. 5

2. Swing the tool on the button until the arm comes in contact with the back of the shoe. See **Fig. 6**

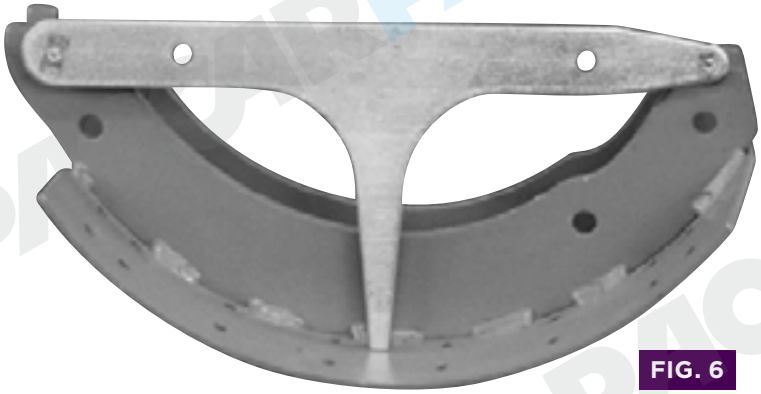


FIG. 6

---

3. The small button **(marked R)** on the opposite end of the tool seats neatly into the roller slot, see **Fig. 7**, then the brake shoe is a Rockwell 'Q' type. If the small button will not seat in the roller slot, see **Fig. 8** (approx. 4-5mm clearance), then the brake is a Fruehauf Propar 'XEM' Brake



FIG. 7 'Q' Brake

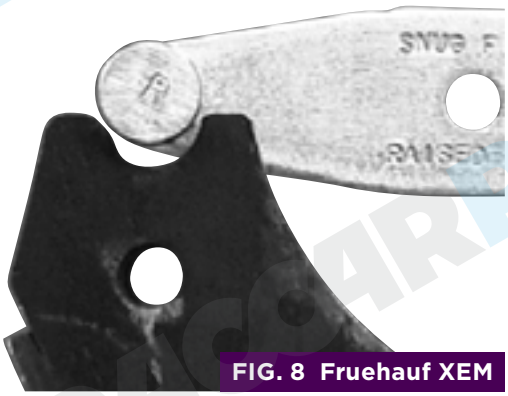


FIG. 8 Fruehauf XEM

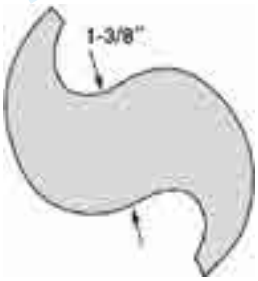
NOTES

NOTES

GP "Q" BRAKE VS "QPLUS/HXS" BRAKE

Identification

'QPlus' brake linings are 0.12" thicker than the 'Q' brake linings and are easily identifiable. To accommodate the thicker linings of the 'QPlus' brakes, the 'S' Cam used in this application has a modified profile as shown below.



(Left hand shown)

'Q' 'S' Cam Head



(Left hand shown)

'QPlus' 'S' Cam Head

'S' Cams

For 'S' Cam part numbers, refer back to the individual vehicle manufacture.

To assist in any queries on 'Q' and 'QPlus' brakes, the following questions and answers address the major concerns in this area.

WILL I HAVE A BALANCE PROBLEM WITH MIXING 'Q' & 'QPLUS' BRAKES ON MY TRUCK?

No; 'QPlus' brakes specifically designed for complete compatibility with 'Q' brakes. The brake performance & balance is essentially maintained through offering the same variety of non-proprietary linings for both brake designs.

WHAT PARTS ARE COMMON ON 'Q' & 'QPLUS?

All standard components are common between the 16.5" 'Q' & 'QPlus' brakes camshaft can be used with the 'Q' or 'QPlus' brake shoes. The 'Q' camshaft cannot be used with the 'QPlus' brake shoes. The same applies to the return spring.

CAN I USE 'Q' SHOES ON 'QPLUS' CAMSHAFTS?

Yes; both 16.5" 'Q' & 'QPlus' shoes can be used with 'QPlus' camshafts. In fact, if you are changing your camshaft, this is a perfect time to upgrade your 'Q' brake to 'QPlus'.

CAN I USE 'QPLUS' SHOES ON STANDARD 'Q' CAMSHAFTS?

No; the 16.5" 'Q' Cam may not allow the 'QPlus' shoes (with the 0.12" thicker lining) to collapse far enough to assemble the new brake drum.

DO I NEED A SPECIAL DRUM TO ACCOMMODATE THE INCREASED THICKNESS OF THE 'QPLUS' SHOE?

No; Drum changes are not required for the 16.5" 'QPlus' brake. A 15" x 4" 'QPlus' steer axle brake may require slightly different drums due to different brake offset. Check with your OEM or Meritor authorised outlet.

ARE 'QPLUS' PARTS CLEARLY IDENTIFIED & AVAILABLE IN THE AFTERMARKET?

Yes, the 'QPlus' shoe is identified with "QPlus" stamped on the webs & a "+" stamped on the shoe table of production. Also, the cam has "16.5+" or "15.0+" stamped in the roller pocket. All 'QPlus' parts are available for service in the aftermarket.

TRP® BRAKE SHOES

TRP® offers a comprehensive range of brake shoe kits that suit most truck and trailer applications, including American and European drivelines. Designed, tested and engineered to meet the demanding conditions on Australian roads, TRP® brake shoes have been manufactured for reliability and built for purpose.

TRP® brake shoes are also manufactured using OE specifications and tested to FMVSS 121 and ECE R90 certified (where applicable) to ensure the brake shoes meet recognised, industry-wide standards.

TRP® linings are available in 21K gross axle weight rating (GAWR) and 23K GAWR and come with an industry leading 2 year, 'hassle free' warranty.

FEATURES & BENEFITS

- Most truck and trailer applications are covered in the TRP® range, offering a wide selection and a one stop shop
- Designed, tested and engineered to meet the demanding conditions on Australian roads, ensuring TRP® brake shoes are reliable and built for purpose
- Certified to FMVSS-121 and ECE R90 (where applicable) to ensure TRP® Brake Shoes meet recognised, industry wide standards
- Automated riveting process eliminates any potential human error
- 300 hours salt spray paint finish ensures a high resistance to corrosion and rust
- 7 long weld points for strength and matched to OE specs increases durability and extends the service life
- OEM Quality hardware kit helps extend the life of the shoe
- 12 Month hassle free warranty for peace of mind

TRP® BRAKE SHOES & THE FRICTION MATERIAL CAN EASILY BE IDENTIFIED BY THE SIDE MARKINGS & PART NUMBERS

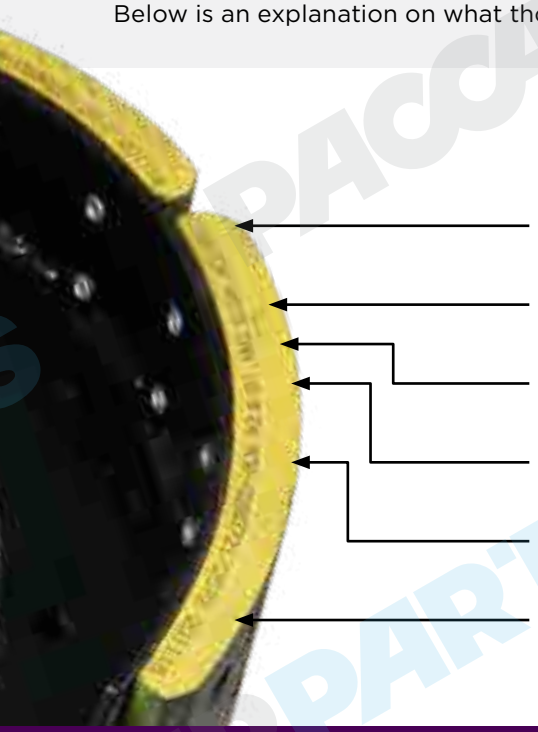


The 21,000lb linings have a green edge colouring and part numbers all start with TRP21



The 23,000lb linings have a gold edge colouring and part numbers all start with TRP23

Every brake shoe has an edge marking which can tell you a lot about that particular shoe and friction material. Below is an explanation on what those markings mean.



EDGE MARKINGS EXPLAINED

MATERIAL LINING CODE
Identifies the linings GAWR & TRP brand

FMSI LINING TYPE
Standardised part number system used to identify the brake application

CAM OR ANCHOR
Identifies orientation of the shoe

LINING THICKNESS
Measurement in millimetres

ECE R90 APPORIVAL (WHERE APPLICABLE)
Unique number that all ECE R90 certified linings are assigned

BATCH CODE
Manufacturing tracking number for friction material

TRP® BRAKE SHOE TESTING

All TRP® brake lining types are tested to and exceed FMVS 121 testing requirements. Independent testing was performed by Link Engineering, an industry recognized testing facility, based in the US.



FMVSS 121 TESTING STANDARD TESTING PARAMETERS

WHAT IS FMVSS 121 STANDARD?

FMVSS 121 stands for Federal Motor Vehicle Safety Standard 121 and tests whether a given rotor has sufficient heat dissipation characteristics to pass the set test requirements.

WHY TEST TO FMVSS 121 STANDARD?

Testing TRP® shoes to the FMVSS 121 standard ensures that the linings are put through standardised testing. It verifies that the lining passes a set criteria at a given weight load. Australian and New Zealand vehicle standards are for the fully dressed axle, so it is important that we use a recognised standard like FMVSS 121 to test the performance of the friction material.

TEST PARAMETERS

The test was performed by Link Manufacturing, an independent testing facility based in the US. The FMVSS 121 test was performed on the following Linings:

STANDARD LININGS
21K GROSS AXLE WEIGHT RATING (GAWR)

TRP21K Lining Material

PREMIUM LININGS
23K 21K GROSS AXLE WEIGHT RATING (GAWR)

TRP23K Lining Material

TESTING PARAMETERS

- Air Brake Chamber 30/30
- Slack adjuster 5.5″
- Factor 165* (30″ x 5.5″)

* It's important to note that TRP® tested to factor 165 for both standard and premium linings. The factor is calculated by multiplying the slack adjuster arm length by the air chamber diaphragm size. (30 x 5.5 = 165). TRP® test to this factor as most class 8 trucks use a 5.5″ slack adjuster and a 30/30 air chamber.

LINED BRAKE SHOE KITS



TRP214707QP

21K Gross Axle Weight Rating (GAWR)						
TRP Part No.	**Product Description**	**App.**	**FMSI + Shoe Type**	**Size**	**ECE R90**	**Cross Reference**
TRP211308Q	Meritor Steer 'Q'	Truck	1308,Q	15" x 4" Q		KSMA2121308Q
TRP214311E	Eaton Drive	Trailer	4311, E	16.5" x 7"		KSMA2124311E B4311PTQK
TRP214514Q	Meritor Steer 'Q'	Truck	4514, Q	16.5" x 6" Q		KSMA2124514Q
TRP214515FQ	Fruehauf/SAF/TMC	Trailer	4515, F(Q)	16.5" x 7" Q	Y	KSMA2124515F3 B4515PTFRUEHAUFQCK D20-020101/K
TRP214515P	Meritor Drive 'P'	Truck & Trailer	4515, P	16.5" x 7" P	Y	PKSMA2124515P D20-020104/K
TRP214515PSS-01	Meritor Drive 'P' Severe Service	Truck & Trailer	4515, PSS	16.5" x 7" P	Y	PKSMA2124515PSS B4515PTGPWWK
TRP214515Q	Meritor Drive 'Q'	Truck & Trailer	4515, Q	16.5" x 7" Q	Y	KSMA2124515Q B4515PTQCK
TRP214524Q	Meritor Steer 'Q'	Truck	4524, Q	16.5" x 5" Q		KSMA2124524Q B4524PTQK
TRP214702QP	Meritor Steer 'Q Plus'	Truck	4702, QP	15" x 4" Q Plus		KSMA2124702QP
TRP214707QP	Meritor Drive 'Q Plus'	Truck & Trailer	4707, QP	16.5" x 7" Q Plus	Y	KSMA2124707QP B4707PTQPK

LINED BRAKE SHOE KITS CONTINUED



TRP214707QP

21K Gross Axle Weight Rating (GAWR)						
TRP Part No.	**Product Description**	**App.**	**FMSI + Shoe Type**	**Size**	**ECE R90**	**Cross Reference**
TRP214709E2	Eaton ESII Drive	Truck & Trailer	4709, ESII	16.5" x 7"		KSMA2124709E2 B4709PTES2K
TRP214710QP	Meritor Steer/Trailer 'Q Plus'	Truck & Trailer	4710, QP	15" x 8-⅝" Q Plus		KSMA2124710QP D20-070101K
TRP214711QP	Hendrickson Intraax	Truck & Trailer	4711, QP	16.5" x 8-⅝" Q Plus		KSMA2124711QP B4711PTQK
TRP214715QP	Meritor Steer 'Q Plus'	Truck	4715, QP	16.5" x 6" Q Plus		KSMA2124715QP
TRP214720QP	Meritor Steer 'Q Plus'	Truck	4720, QP	16.5" x 5" Q Plus		KSMA2124720QP
TRP214725E	Dana Spicer Steer Brake	Truck	4725, E	16.5" x 6"		KSMA2124725R
TRP19032/21/95	BPW Brake 95 BC/36/1	Trailer	BC/36/1, B95	420mm x 180mm	Y	0509146320BH95 MKSMG2ABC36/95 BBC/36PTSAFK
TRP19032/21/NG	BPW New Gen BC36/1	Trailer	BC/36/1, NG	420mm x 180mm	Y	MKSMG2ABC36/NG BBC/36PT/BPWNG
TRP19094/21/95	BPW Brake 95 BC/37/1	Trailer	BC/37/1, B95	420mm x 200mm	Y	0509119220BH95 MKSMG2ABC37 BBC/36FTBPW95

LINED BRAKE SHOE KITS CONTINUED



TRP234707QP

23K Gross Axle Weight Rating (GAWR)

TRP Part No.	Product Description	App.	FMSI + Shoe Type	Size	ECE R90	Cross Reference
TRP231308Q	Meritor Steer 'Q'	Truck	1308,Q	15" x 4" Q		KSMA3121308Q
TRP234515FQ	Fruehauf/SAF/TMC	Truck & Trailer	4515, F(Q)	16.5" x 7" Q	Y	KSMA3124515F3
						D20-010101/K
TRP234515P	Meritor Drive 'P'	Truck & Trailer	4515, P	16.5" x 7" P	Y	PKSMA3124515P
TRP234515PSS-01	Meritor Drive 'P' Severe Service	Truck & Trailer	4515, PSS	16.5" x 7" P	Y	PKSMA3124515PSS
TRP234515Q	Meritor Drive 'Q'	Truck & Trailer	4515, Q	16.5" x 7" Q	Y	KSMA3124515Q
TRP234524Q	Meritor Steer 'Q'	Truck	4524, Q	16.5" x 5" Q		KSMA3124524Q
TRP234707QP	Meritor Drive 'Q Plus'	Truck & Trailer	4707, QP	16.5" x 7" Q Plus	Y	KSMA3124707QP
TRP234709E2	Eaton ESII Drive	Truck & Trailer	4709, ESII	16.5" x 7"		KSMA3124709E2
TRP234715QP	Meritor Steer 'Q Plus'	Truck	4715, QP	16.5" x 6" Q Plus		KSMA3124715QP
						B4715PTQK
TRP234720QP	Meritor Steer 'Q Plus'	Truck	4720, QP	16.5" x 5" Q Plus		KSMA3124720QP
TRP234725E	Dana Spicer Steer Brake	Truck	4725, E	16.5" x 6"		KSMA3124725R

LINED BRAKE SHOE KITS CONTINUED

MERITOR
RUN WITH THE BULL

MERITOR BRAKE SHOE KITS 21K

Meritor Part No.	Product Description	App.	FMSI + Shoe Type	Size	GAWR
KSMA2121308Q	Meritor Steer 'Q'	Truck	1308,Q	15" x 4" Q	
KSMA2121308T	Meritor Steer 'Q'	Truck	1308, T	15" x 4"	
KSMA2124311E	Eaton Drive	Trailer	4311, E	16.5" x 7"	
KSMA2124514Q	Meritor Steer 'Q'	Truck	4514, Q	16.5" x 6" Q	
KSMA2124515F	Fruehauf/SAF/TMC	Trailer	4515, F(P)	16.5" x 7" P	
KSMA2124515F3	Fruehauf/SAF/TMC	Trailer	4515, F(Q)	16.5" x 7" Q	
PKSMA2124515P	Meritor Drive 'P'	Truck & Trailer	4515, P	16.5" x 7" P	
PKSMA2124515PSS	Meritor Drive 'P' Severe Service	Truck & Trailer	4515, PSS	16.5" x 7" P	
KSMA2124515Q	Meritor Drive 'Q'	Truck & Trailer	4515, Q	16.5" x 7" Q	
KSMA2124524Q	Meritor Steer 'Q'	Truck	4524, Q	16.5" x 5" Q	
KSMA2124692FC2	Dana Trailer	Trailer	4692 Q	12-¼" x 7.5"	21K
KSMA2124702QP	Meritor Steer 'Q Plus'	Truck	4702, QP	15" x 4" Q Plus	
KSMA2124707QP	Meritor Drive 'Q Plus'	Truck & Trailer	4707, QP	16.5" x 7" Q Plus	
KSMA2124709E1	Eaton ES1 Drive	Truck & Trailer	4709, ES1	16.5" x 7"	
KSMA2124709E2	Eaton ESII Drive	Truck & Trailer	4709, ESII	16.5" x 7"	
KSMA2124710QP	Meritor Steer/Trailer 'Q Plus'	Truck & Trailer	4710, QP	15" x 8-⅝" Q Plus	
KSMA2124711QP	Hendrickson Intraax	Truck & Trailer	4711, QP	16.5" x 8-⅝" Q Plus	
KSMA2124715QP	Meritor Steer 'Q Plus'	Truck	4715, QP	16.5" x 6" Q Plus	
KSMA2124719E	Eaton ES	Truck & Trailer	4719 E	16.5" x 5'	
KSMA2124720QP	Meritor Steer 'Q Plus'	Truck	4720, QP	16.5" x 5" Q Plus	
KSMA2124725R	Dana Spicer Steer Brake	Truck	4725, E	16.5" x 6"	

MERITOR BRAKE SHOE KITS 23K

Meritor Part No.	Product Description	App.	FMSI + Shoe Type	Size	GAWR
MKSMG2ABC36/95	BPW Brake 95 BC/36/1	Trailer	BC/36/1, B95	420mm x 180mm	
MKSMG2ABC36/NG	BPW New Gen BC36/1	Trailer	BC/36/1, NG	420mm x 180mm	
MKSMG2ABC37	BPW Brake 95 BC/37/1	Trailer	BC/37/1, B95	420mm x 200mm	
KSMA3121308Q	Meritor Steer 'Q'	Truck	1308,Q	15" x 4" Q	
KSMA3124311E	Eaton Drive	Trailer	4311, E	16.5" x 7"	
KSMA3124515F3	Fruehauf/SAF/TMC	Truck & Trailer	4515, F(Q)	16.5" x 7" Q	
PKSMA3124515P	Meritor Drive "P"	Truck & Trailer	4515, P	16.5" x 7" P	
PKSMA3124515PSS	Meritor Drive "P" Severe Service	Truck & Trailer	4515, PSS	16.5" x 7" P	
KSMA3124515Q	Meritor Drive "Q"	Truck & Trailer	4515, Q	16.5" x 7" Q	23K
KSMA3124524Q	Meritor Steer "Q"	Truck	4524, Q	16.5" x 5" Q	
KSMA3124702QP	Meritor Steer 'Q Plus'	Truck	4702, QP	15" x 4" Q Plus	
KSMA3124707QP	Meritor Drive "Q Plus"	Truck & Trailer	4707, QP	16.5" x 7" Q Plus	
KSMA3124709E2	Eaton ESII Drive	Truck & Trailer	4709, ESII	16.5" x 7"	
KSMA3124711QP	Hendrickson Intraax	Truck & Trailer	4711, QP	16.5" x 8-⅝" Q Plus	
KSMA3124715QP	Meritor Steer "Q Plus"	Truck	4715, QP	16.5" x 6" Q Plus	
KSMA3124720QP	Meritor Steer "Q Plus"	Truck	4720, QP	16.5" x 5" Q Plus	
KSMA3124725R	Dana Spicer Steer Brake	Truck	4725, E	16.5" x 6"	

LINED BRAKE SHOE KITS CONTINUED

TRANSPEC

BPW BRAKE SHOE KITS				
BPW Part No.	**Part Description**	**Brake Type**	**Size**	**Wheel Size**
0509119220BH95	Lined Brake Shoe Kit	Brake 95	360 x 200 mm	19.5"
0509146320BH95			420 x 180 mm	20 - 22.5"
0509114771	Lined Brake Shoe & Roller Only		300 x 200 mm	15 - 17.5"
0509119220			360 x 200 mm	19.5"
0509146321			420 x 180 mm	20 - 22.5"
0509147041			420 X 200 mm	20 - 22.5"

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HENDRICKSON BRAKE SHOE KITS						
Hendrickson Part No.	**Part Description**	**Lining Series**	**FMSI**	**Size**	**Brake Type**	**Comment**
S-27783-1	Lined Brake Shoe Kit	H20	4710	15'' x 8-⅝''	HXS	Inc Hardware Kit
S-21184-1			4515	16.5'' x 7''	Q Brake	
S-23753-1			4707	16.5'' x 7''	HXS	
98881-042			4711	16.5" x 8-⅝"	HXS	
98881-029*	Lined Brake Shoe - Single	H20	4707	16.5'' x 7'' P	HXS	Hardware Kit PN 98881-039 Services 1 Wheel
98881-007*		MB21				

*** LINED SHOES ONLY - HARDWARE SOLD SEPARATELY**

FUWA K HITCH BRAKE SHOE KITS					
Fuwa K Hitch Part No.	**Part Description**	**FMSI**	**Size + Type**	**Comment**	**GAWR**
D20-050101	Lined Brake Shoes - No hardware	RW9/13/2	12.25" x 7.5"	Hardware Kit PN: D20-05010H	21K
D20-070101		4710	15" x 8-⅝" Q	Hardware Kit PN: D20-020101H	
D20-020101K	Lined Brake Shoe Kit	4515	16.5'' x 7'' Q		
D20-010101K		4515	16.5'' x 7'' XEM		
D20-020104K		4515	16.5'' x 7'' P	Suits Extended Anchor Pin	
D20-010201K		4551	16.5" x 8-⅝" XEM		

LINED BRAKE SHOE KITS CONTINUED

BENDIX-PROTRANS LINED BRAKE SHOE KITS

Part No.	Product Description	App.	FMSI + Shoe Type	Size	GAWR
B4311PTQK	Eaton Drive	Trailer	4311, E	16.5" x 7"	21K
B4515PTFRUEHAUFQCK	Fruehauf/SAF/TMC	Trailer	4515, F(Q)	16.5" x 7" Q	
B4515PTGPWWK	Meritor Drive 'P' Severe Service	Truck & Trailer	4515, PSS	16.5" x 7" P	
B4515PTQCK	Meritor Drive 'Q'	Truck & Trailer	4515, Q	16.5" x 7" Q	
B4524PTQK	Meritor Steer 'Q'	Truck	4524, Q	16.5" x 5" Q	
B4707PTQPK	Meritor Drive 'Q Plus'	Truck & Trailer	4707, QP	16.5" x 7" Q Plus	
B4709PTES2K	Eaton ESII Drive		4709, ESII	16.5" x 7"	
B4711PTQK	Hendrickson Intraax		4711, QP	16.5" x 8-⅝" Q Plus	
B4715PTQK	Meritor Steer 'Q Plus'	Truck	4715, QP	16.5" x 6" Q Plus	
B4720PTQK	Meritor Steer 'Q Plus'	Truck	4720, QP	16.5" x 5" Q Plus	
BBC/36PTSAFK	BPW Brake 95 BC/36/1	Trailer	BC/36/1, B95	420mm x 180mm	
BBC/36PT/BPWNG	BPW New Gen BC36/1		BC/36/1, NG	420mm x 180mm	
BBC/36FTBPW95	BPW Brake 95 BC/37/1		BC/37/1, B95	420mm x 200mm	

SAF-HOLLAND LINED SHOES

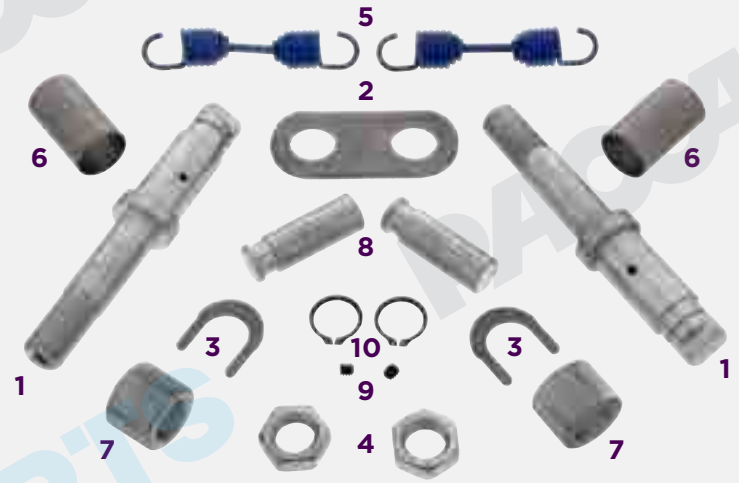
Part No.	Part Description	Axle Type	Size	Comments
3434365300	Lined Brake Shoe Kit	Z9-4218 NG Axle (used on Intradrum) - Dual Wheels	420 x 180 mm	Does not include Roller
3055012000	Lined Brake Shoe - Single			Does not include Hardware
3055012800		Z9-3720 Axle - Dual Wheels	367 x 200 mm	
3055013300		J-SERIES - Spider & Standard Hub	420 x 180 mm	

YORK LINED SHOES

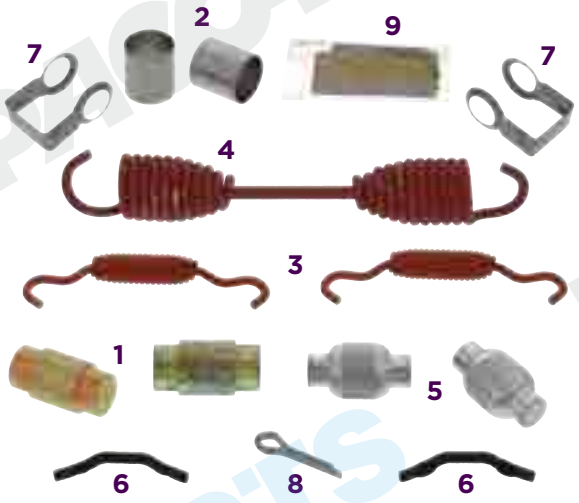
Part No.	Part Description	Shoe Type	Size	Qty Required per axle
7950224602	Lined Brake Shoe - Single	P	311 x 178mm	4
7978765002			335 x 210mm	
79SB50206402HD23			420 x 180mm	
79SB78790202HD23		Q	420 x 180mm	
79SB50206502AF237		P	420 x 220mm	

NOTES

BRAKE SHOE HARDWARE KITS
12-¼" x 7-½"

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
T02-2403 12-¼" x 7-½" 'P' 15" Axles ▪ Cast Shoe ▪ Dana/Spicer Axles (Early) ▪ Standard Forge Axles (Earl  	1	T02-3311	Anchor Pin	2
	2	T02-3216	Link	1
	3	T02-3213	C Clip	2
	4	T02-5509	Lock Nut - ¾" x 16 TPI	2
	5	T02-3455	Return Spring	2
	6	T023215	Anchor Pin Bush	2
	7	T02-3408K	Knurled Roller	2
	8	T02-3409	Roller Pin	2
	9	T02-3170	Set Screw - ¼" x 20 TPI	2
	10	NSS	Circlip	2
T02-2406-AU 12-¼" x 7-½" 'P' 15" Axles ▪ Fabricated Shoe ▪ Dana/Spicer Axles (Early) ▪ Freighter IMT A19H Axles ▪ Standard Forge Axles (Early)  	1	T02-3185	Anchor Pin	2
	2	T02-3186	Washer - Suits 1" Shaft x 1/32" Thick	4
	3	T02-3187	Circlip - Suits 1" Shaft	4
	4	T02-3424K	Knurled Roller	2
	5	T02-3425	Roller Pin	2
	6	T02-3422	Circlip - Suits ¾" Shaft	2
	7	T02-3462	Return Spring	1
	8	T02-3452	Spring Retainer	2
	9	T02-3184	Anchor Pin Bush	2

BRAKE SHOE HARDWARE KITS
16-½" x 7"

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
T02-2402-AU 16-½" x 7" (Single Anchor Pin) ▌Eaton JE501-L Axles ▌Eaton Drive Axles 	1	T02-3460	Retainer Spring	2
	2	T02-3459	HD Return Spring	1
	3	T02-3406K	Knurled Roller	2
	4	T02-3407	Roller Pin	2
	5	NSS	Antiseize Lubricant	1
T02-2408-AU 16-½" x 7" 'XEM' (Late XEM Brakes from 1983) 20" Axles ▌Fruehauf Propar Axles ▌Holland Propar Axles 	1	T02-3238	Anchor Pin	2
	2	T02-3207	Anchor Pin Bush	2
	3	T02-3449	Retainer Spring	2
	4	T02-3480	HD Return Spring	1
	5	T02-3403KAU	Knurled Roller	2
	6	T02-3452	Spring Retainer	2
	7	E-3227	Roller Retainer	2
	8	E-1559	Split Pin - ¼" Dia x 1" Long	1
	9	--	Antiseize Lubricant	1

BRAKE SHOE HARDWARE KITS CONTINUED
16-½" x 7"

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
T02-2411-AU 16-½" x 7" 'Q' 20" Axles ▌Aust Tanner ATN Axles ▌Colrain TQ & Trailquip Axles ▌Dana/Spicer (D21/22 & K21/22) Axles ▌Freighter IMT A22H & F22H Axles ▌Haulmark Axles ▌Rockwell 4000/6000 Axles ▌Rockwell ARN/TN Axles ▌Rockwell Drive Axles ▌ROR (Metric) TN Axles ▌Standard Forge A22 Axles ▌York 2000 Series Axles ▌York 2782 & 2784 Series I & II Axles  	1	T02-3237AU	Anchor Pin	2
	2	T02-3207	Anchor Pin Bush	2
	3	T02-3449	Retainer Spring	2
	4	T02-3480	HD Return Spring	1
	5	T02-3403KAU	Knurled Roller	2
	6	T02-3452	Spring Retainer	2
	7	3105B210	Roller Retainer	2
T02-2412-AU 16-½" x 7" 'P' ▌Aust Tanner ATN Axles ▌Colrain TQ & Trailquip Axles ▌Dana/Spicer (D21/22 & K21/22) Axles ▌Eaton JE07-L Axles ▌Freighter MK-V Axles ▌Freighter IMT A22H & F22H Axles ▌Fruehauf (early) Round & "I" Beam Axles ▌Fruehauf Propar Axles ▌GP (Early Type) Axles ▌Rockwell ARN/TN Axles ▌Rockwell 4000/6000 Axles ▌Rockwell Drive Axles ▌ROR (Metric) TN Axles ▌Standard Forge A22 Axles ▌York 2000 Series Axles ▌York 2782 & 2784 Series I & II Axles  	1	T02-3200AU	Anchor Pin (Bolt-on Type)	2
	2	T02-3207	Anchor Pin Bush	2
	3	T02-3403KAU	Knurled Roller	2
	4	T02-3415AU	Retainer Bolt	1
	5	T02-3451	HD Return Spring	1
	6	T02-3452	Spring Retainer	2

BRAKE SHOE HARDWARE KITS CONTINUED
16-½" x 7"

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
T02-2412S-AU 16-½" x 7" 'P' 20" Axles ▌Aust Tanner ATN Axles ▌Colrain TQ & Trailquip Axles ▌Dana/Spicer (D21/22 & K21/22) Axles ▌Eaton JE07-L Axles ▌Freighter MK-V Axles ▌Freighter IMT A22H & F22H Axles ▌Fruehauf (Early) Round & "I" Beam Axles ▌Fruehauf Propar Axles ▌GP (Early Type) Axles ▌Rockwell ARN/TN Axles ▌Rockwell 4000/6000 Axles ▌Rockwell Drive Axles ▌ROR (Metric) TN Axles ▌Standard Forge A22 Axles ▌York 2000 Series Axles ▌York 2782 & 2784 Series I & II Axles 	1	T02-3200AU	Anchor Pin (Bolt-on Type)	2
	2	T02-3207	Anchor Pin Bush	2
	3	T02-3403AU	Smooth Roller	2
	4	T02-3415AU	Retainer Bolt	1
	5	T02-3451	HD Return Spring	1
	6	T02-3452	Spring Retainer	2
T02-2413-AU 16-½" x 7" 'P' 20" Axles ▌Aust Tanner ATN Axles ▌Colrain TQ & Trailquip Axles ▌Dana/Spicer (D21/22 & K21/22) Axles ▌Eaton JE07-L Axles ▌Freighter MK-V Axles ▌Freighter IMT A22H & F22H Axles ▌Fruehauf (early) Round & "I" Beam Axles ▌Fruehauf Propar Axles ▌GP (Early Type) Axles ▌Rockwell ARN/TN Axles ▌Rockwell 4000/6000 Axles ▌Rockwell Drive Axles ▌ROR (Metric) TN Axles ▌Standard Forge A22 Axles ▌York 2000 Series Axles ▌York 2782 & 2784 Series I & II Axles 	1	T02-3207	Anchor Pin Bush	2
	2	T02-3304AU	Anchor Pin (Bolt-on Type)	2
	3	T02-3403KAU	Knurled Roller	2
	4	T02-3415AU	Retainer Bolt	1
	5	T02-3451	HD Return Spring	1
	6	T02-3452	Spring Retainer	2

BRAKE SHOE HARDWARE KITS CONTINUED
16-½" x 7"

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
T02-2413S-AU 16-½" x 7" 'P' 20" Axles ▌Aust Tanner ATN Axles ▌Colrain TQ & Trailquip Axles ▌Dana/Spicer (D21/22 & K21/22) Axles ▌Eaton JE07-L Axles ▌Freighter MK-V Axles ▌Freighter IMT A22H & F22H Axles ▌Fruehauf (early) Round & "I" Beam Axles ▌Fruehauf Propar Axles ▌GP (Early Type) Axles ▌Rockwell ARN/TN Axles ▌Rockwell 4000/6000 Axles ▌Rockwell Drive Axles ▌ROR (Metric) TN Axles ▌Standard Forge A22 Axles ▌York 2000 Series Axles ▌York 2782 & 2784 Series I & II Axles  	1	T02-3207	Anchor Pin Bush	2
	2	T02-3304AU	Anchor Pin (Bolt-on Type)	2
	3	T02-3403AU	Smooth Roller	2
	4	T02-3415AU	Retainer Bolt	1
	5	T02-3451	HD Return Spring	1
	6	T02-3452	Spring Retainer	2

BRAKE SHOE HARDWARE KITS



D20-020104H

KIT PART NO.	DESCRIPTION	BRAKE SIZE	QTY
D20-010101H	K Hitch Axle XEM Brake	420 x 180mm Brakes 420 x 220mm Brakes	2 Per Axle
D20-020101H	K Hitch Axle Q Brake	380 x 220mm Brakes 420 x 180mm Brakes	2 Per Axle
D20-020104H	K Hitch Axle P Brake	420 x 180mm Brakes	2 Per Axle
D20-050101H	K Hitch Axle Q Brake	311 x 190mm Brakes	2 Per Axle

ALL KITS SERVICE 1 WHEEL & ARE NOT SOLD AS INDUVIDUAL COMPONENTS

TRANSPEC

BRAKE SHOE HARDWARE KITS
360 x 200mm

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
098063620BH95 Brake 95 - Services 1 Wheel 360 x 200 mm Brakes 	1	0318802020	Ring Anchor End C-Clip	4
	2	0533144020	C/Shaft Roller C/with Bush	2
	3	0308475240	Shaft Roller 95 Brake	2
	4	0331070150	Ring Roller Ret Brake 95	4
	5	0539746130	Spring Return 3620 BPW95 HD	2
	6	0339733120	Spring Position 95 Hooked	1
	7	0339733130	Spring Position 95 Straight	1

TRANSPEC

BRAKE SHOE HARDWARE KITS
BPW BRAKE 95 ROLLER KIT

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
0980102910 Brake Shoe Roller Repair Kit Brake 95 	1	0533144020	Roller & Bush	2
	2	0308475240	Roller Shaft	2
	3	0331070150	Ring	4

TRANSPEC

BRAKE SHOE HARDWARE KITS
420 x 180mm

KIT PART NO.	ITEM	PART NO.	DESC.	QTY
098064218BH95 Brake 95 - Services 1 Wheel 420 x 180 mm Brakes 	1	0318802020	Ring Anchor End C-Clip	4
	2	0533144020	C/Shaft Roller C/with Bush	2
	3	0308475240	Shaft Roller 95 Brake	2
	4	0331070150	Ring Roller Ret Brake 95	4
	5	0539758040	Spring Return 4218 BPW95 HD	1
	6	0339733120	Spring Position 95 Hooked	1
	7	0339733130	Spring Position 95 Straight	1
098064218BHNG Conventional Brake - Services 1 Wheel 420 x 180 mm Brakes 	1	0311233080	Bush 36 x 40 x 60 Anchor Pin	2
	2	0316723020	Wedge Lock	2
	3	0333134050	Roller 26 x 42 x 78	2
	4	0335000130	Retainer Roller	4
	5	0262016603	Split Pin 6.3 x 90	2
	6	0300108050	Pin 12 x 100	2
	7	0539746070	Spring Return 4218	2
	8	0339744060	R/Spring 4218	4
	9	0308446220	Pin Anchor	2

BRAKE SHOE HARDWARE KITS

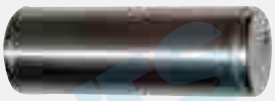
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KIT PART NO.	QTY
98881-043 Q-Brake/HXS 16.5″ x 8-⅝″ 	2 Per Axle
S-23752 Q-Brake/HXS 15″ x 8-⅝″ & 16.5″ x 7″ 	2 Per Axle
98881-039 P Brake 16.5″ x 7″ 	2 Per Axle

ALL KITS SERVICE 1 WHEEL & ARE NOT SOLD AS INDUVIDUAL COMPONENTS

NOTES

BRAKE SHOE HARDWARE
ANCHOR PINS

PART NO.	OUTSIDE DIAMETER	LENGTH	APPLICATION	COMMENTS	REPLACES
T02-3185 	1″ 25mm	2-13/16″ 71mm	▪ Freighter A19H Axle ▪ Dana Spicer Axle (Late) ▪ Standard Forge Axle (Late)		
T02-3195 	1-1/4″ 32mm	2-3/8″ 60mm	▪ Fruehauf Propar Early XEM Axle		▪ E-2773
T02-3198 	1-1/4″ 32mm	3-19/32″ 91mm	▪ Rockwell H/D Drive Axle	▪ Extended Pin - Circlip Type ▪ Circlip PN - 1229X1116	
T02-3199 	1-1/4″ 32mm	2-3/4″ 70mm	▪ All "P" Brake Axles	▪ Standard Pin - Circlip Type ▪ Circlip PN - 1229X1116	▪ E-1112A
T02-3200AU 	1-1/4″ 32mm	2-3/16″ 56mm	▪ All "P" Brake Axles	▪ Standard Pin - Bolt-on Type	▪ 79787997 ▪ FB3200 ▪ FL15.6527A
T02-3232 	1-1/4″ 32mm	4-13/16″ 74mm	▪ Rockwell GP Drive Axles	▪ Standard Pin - Circlip Type ▪ Circlip PN - 1229X1116	▪ FL15.526

BRAKE SHOE HARDWARE
ANCHOR PINS

PART NO.	OUTSIDE DIAMETER	LENGTH	APPLICATION	COMMENTS	REPLACES
T02-3233 	1-¼" 32mm	3-¾" 95mm	▪ Rockwell GP Drive Axle	▪ Ext Pin - Circlip Type ▪ Circlip PN - 1229X1116 ▪ Used with T02-3302-AU Support Washer	▪ 1259R252 ▪ E-502
T02-3237AU 	1-¼" 32mm	2-¼" 57mm	▪ GP "Q" Brake Anchor Pin ▪ Dana Spicer Fast Change Anchor Pin		▪ 1259N274BULK ▪ 79787526
T02-3238 	1-¼" 32mm	2-⅜" 61mm	▪ Fruehauf Propar Late XEM Axles ▪ Holland Propar XEM Axles		▪ E-3711 ▪ FB3237 ▪ FL15.542
T02-3304AU 	1-¼" 32mm	2-13⁄16" 71mm	▪ All "P" Brake Axles	▪ Ext ended Pin - Bolt-on Type ▪ Used with T02-3302-AU Support Washer	▪ A1259D4A ▪ 79787723 ▪ FB3304
0308446220 	1-7⁄16" 36mm	5-5⁄16" 135mm	▪ BPW New Gen ▪ BPW Lightweight Axles		▪ T02-3317

BRAKE SHOE HARDWARE
ANCHOR PIN BUSHES

PART NO.	O.D.	I.D.	LGTH	MAT	APPLICATION	COMMENTS	REPLACES
T02-3215 	1-1/16" 27mm	1" 25mm	1-11/16" 43mm	Bronze	• Dana Spicer Axles (Early) • Standard Forge Axles (Early)		• E-1808 • 23.1027
T02-3184 	1-1/8" 29mm	1" 25mm	1-7/16" 37mm	Stainless Steel	• Freighter A19H Axle • Dana Spicer Axle (Late) • Standard Forge Axle (Late)		• E-2389
T02-3206 	1-3/8" 35mm	1-1/4" 32mm	1-7/16" 37mm	Stainless Steel	• Fruehauf Axle (Early) • Fruehauf Propar Axle	• Offset Slot • Can use T02-3207 if using Bolt-on Type Anchor Pins	• E-920 • WT3206
T02-3207 	1-3/8" 35mm	1-1/4" 32mm	1-7/16" 37mm	Stainless Steel	• All GP Type Axles	• 1-1/4" Anchor Pins	• 1225B496BULK • WT3207 • E-1893B
T02-3207B 	1-3/8" 35mm	1-1/4" 32mm	1-13/32" 36mm	Stainless Steel/ Bronze	• All GP Type Axles	• 1-1/4" Anchor Pins • Same as T02-3207 but Bronze Lined	• 79501787 • WT3207B
T02-3231 	1-3/8" 35mm	1-1/4" 32mm	1-7/16" 37mm	Stainless Steel	• Rockwell Drive Axles	• Centre Slot • Can use T02-3207 if not using Bolt-on Type Anchor Pins	• 1225G449 • WT3213
0311233080 	1-19/32" 40mm	1-7/16" 37mm	2-3/8" 60mm	Steel	• BPW Old & New Gen Axles		

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER LGTH - LENGTH MAT - MATERIAL

NOTES

BRAKE SHOE HARDWARE
ANCHOR PIN ASSOCIATED HARDWARE

Product Type

Roll Pin
T02-3204

- 5⁄16" 8.2mm Outside Diameter
- 1-3⁄4" 44mm Overall Length
- Suits Fruehauf Propar Axle
- Replaces E-626, 1199E1695



Plate
T02-3216

- 3-5⁄8" 92mm Outside Diameter
- 1-1⁄2" 39mm Overall Length
- Suits Dana Spicer Axles (Early)
- Suits Standard Forge Axles (Early)
- Repalces E-1289, WT3342



Plate
0316723020

- 2-1⁄16" 52mm Overall Width
- 2-1⁄4" 58mm Overall Length
- Suits BPW New Generation Axle
- Suits BPW 9000 Lightweight Axle
- 2 per Wheel



Grease Nipple
T02-3223

- Suits BPW Old Generation Axle
- 3⁄4" A/F / 19 mm A/F
- Replaces WT3315



Screw
T02-3224

- 1-9⁄16" 40mm Overall Length
- Suits BPW Old Generation Axle
- Anchor Pin Locating Screw
- M10 x 5⁄8" A/F
- M10 x 16mm A/F
- Replaces WT3311



Nut
E-1107

- 3⁄4" 19mm Overall Length



Grub Screw
T02-3170

- 1⁄4" 6mm Overall Length
- Suits Dana Spicer Axles (Early)
- Suits Standard Forge Axles (Early)
- Replaces E-773



Split Pin
0262016603

- 3⁄8" 10mm Outside Diameter
- 3-1⁄2" 90mm Overall Length
- Suits BPW New Gen Axles
- Suits BPW 9000 Lightweight Axles



Split Pin
E-1559

- 1⁄4" 6mm Outside Diameter
- 1" 25mm Overall Length



NOTES

BRAKE SHOE HARDWARE
WASHERS

PART NO.	SHAFT SIZE	I.D.	THICKNESS	APPLICATION	NOTES	REPLACES
T02-3102 	1-½″ 38mm	2-¼″ 57mm	1/16″ 1.6mm	▌Eaton E34 Axle		▌1005480
T02-3186 	1″ 25mm	1-½″ 38mm	1/32″ 0.08mm	▌Freighter A19H Axle ▌Dana Spicer Axle (Late) ▌Standard Forge Axle (Late)		▌E-2391
T02-3203 	1-¼″ 32mm	1-⅞″ 48mm	1/32″ 0.08mm	▌All 1-¼″ Anchor Pin 'P' Brake Axles		▌WT3203 ▌1005487
T02-3302AU 	1-¼″ 32mm	1-¾″ 45mm	5/16″ 8mm	▌Support Washer for 'P' Brake Shoes	▌Used with extended Anchor Pins	▌FL35.8101A
T02-3304WAU 	⅜″ 10mm	1-⅝″ 41mm	¼″ 6mm	▌'P' Brake Anchor Pin Washers	▌Suits T02-3200AU & T02-3304AU Bolt-on Anchor Pins	▌WT3304W

I.D. - INSIDE DIAMETER

BRAKE SHOE HARDWARE
CIRCLIPS

PART NO.	SHAFT SIZE	I.D.	THICKNESS	APPLICATION	NOTES	REPLACES
T02-3104 	1-¼″ 32mm	1-5/32″ 29mm	3/32″ 2.4mm	▌Suits 1-¼″ Anchor Pins	▌Wide Groove Type	▌E-5093
1229Z1118 	1-½″ 38mm	1-⅜″ 35mm	1/16″ 1.6mm	▌Eaton E34 Axle		
T02-3187 	1″ 25mm	29/32″ 23mm	3/64″ 1.1mm	▌Freighter A19H Axle ▌Dana Spicer Axle (Late) ▌Standard Forge Axle (Late)		▌E-2392 ▌34.1527
1229X1116 	1-¼″ 32mm	1-5/32″ 29mm	1/16″ 1.6mm	▌1-¼″ Anchor Pin 'P' Brake Axles		
T02-3213 	¾″ 19mm	25/32″ 20mm	1/16″ 1.6mm	▌Dana Spicer Axle (Early) ▌Standard Forge Axle (Early)		▌E-1106
0318802020 	1-¼″ 32mm	1-¼″ 32mm	⅜″ 10mm	▌BPW Brake 95	▌Spring Clip for Retaining Shoes to Anchor Pins	
T02-3422 	¾″ 19mm	11/16″ 17mm	3/64″ 1.1mm	▌Freighter A19H Axles ▌Dana Spicer Axles (Late) ▌Standard Forge Axles (Late) ▌Rockwell TN Axles		▌E-527 ▌WT3425

I.D. - INSIDE DIAMETER

BRAKE SHOE HARDWARE
ROLLERS, RETAINERS & PINS

ROLLERS

PART NO.	TYPE	LARGE DIA	SMALL DIA	LGTH	APPLICATION	NOTES	REPLACES
T02-3403AU 	Smooth Rollers	1-¼" 32mm	¾" 19mm	2-¼" 57mm	• Most GP Axles		• 2297T7222 • FB3403
T02-3404AU 		1-⅜" 35mm				• ⅛" Oversize	• FB3404
T02-3405AU 		1-½" 38mm				• ¼" Oversize	• FB3405 • FL32.1427
T02-3403KAU 	Knurled Rollers	1-¼" 32mm					• FB3403K
T02-3404KAU 		1-⅜" 35mm				• ⅛" Oversize	• FB3404K
T02-3405KAU 		1-½" 38mm				• ¼" Oversize	• FB3405K

DIA - DIAMETER LGTH - LENGTH

BRAKE SHOE HARDWARE
ROLLERS, RETAINERS & PINS

ROLLERS

PART NO.	TYPE	LARGE DIA	SMALL DIA	LGTH	APPLICATION	NOTES	REPLACES
0333134050 	Smooth Rollers	1-$^{21}/_{32}$" 42mm	1" 26mm	3" 78mm	▪ Conventional Brake <1995 ▪ BPW New Generation Axle ▪ BPW 9000 Lightweight Axle		

DIA - DIAMETER LGTH - LENGTH

BRAKE SHOE HARDWARE CONTINUED
ROLLERS, RETAINERS & PINS

ROLLERS — 2 PIECE

PART NO.	TYPE	O.D.	I.D.	LGTH	APPLICATION	NOTES	REPLACES
T02-3406 	Smooth Rollers	1-⅝" 41mm	¹⁵⁄₁₆" 24mm	¹³⁄₁₆" 20mm	• Eaton JE501-L Axles	• Used in conjunction with Roller Pin T02-3407	• E-595
T02-3406K 	Knurled Rollers						• E-2217A
T02-3416 	Smooth Rollers	1-⅜" 35mm	¾" 19mm	1" 25mm	• Dana Spicer Axles (Early) • Standard Forge Axles (Early)	• ⅛" Oversize • Used in conjunction with Roller Pin T02-3409 & Grub Screw T02-3170	• E-505
T02-3417 	Smooth Rollers	1-½" 38mm		1" 25mm	• Dana Spicer Axles (Early) • Standard Forge Axles (Early)	• ¼" Oversize • Used in conjunction with Roller Pin T02-3409 & Grub Screw T02-3170	• E-504 • FB3417
T02-3424K 	Knurled Rollers	1-½" 38mm		1-⅜" 35mm	• Freighter A19H Axles • Dana Spicer Axles (Late) • Standard Forge Axles (Late)	• Used in conjunction with Roller Pin T02-3425 & Circlip T02-3422	• E-2395
0533144020 	Smooth Rollers	1-¾" 45mm	1" 26mm	1-⅝" 33mm	• BPW Brake 95	• Includes 0311200620 Bush • Used in conjunction with Roller Pin 0308475240 & Retainer Ring 0331070150	
T02-3479K 	Knurled Rollers	1-½" 38mm	¾" 19mm	1-⅞" 37mm	• Rockwell TN Axles with 12-¼" x 7-½" Brakes	• Used in conjunction with Roller Pin T02-3478 & Circlip T02-3422	• E-3483

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER LGTH - LENGTH

BRAKE SHOE HARDWARE CONTINUED
ROLLERS, RETAINERS & PINS

ROLLERS PINS					
PART NO.	**O.D.**	**LGTH**	**APPLICATION**	**NOTES**	**REPLACES**
T02-3407 	15⁄16″ 24mm	1-11⁄16″ 43mm	Eaton JE501-L Axles	Used in conjunction with Roller T02-3406	E-596A
T02-3409 	¾″ 19mm	2-¼″ 57mm	Dana Spicer Axles (Early) Standard Forge Axles (Early)	Used in conjunction with Roller T02-3417 & Grub Screw T02-3170	E-501 WT3434
T02-3425 	¾″ 19mm	2-½″ 64mm	Freighter A19H Axles Dana Spicer Axles (Late) Standard Forge Axles (Late)	Used in conjunction with Rollers T02-3424K, T02-3424K-05 & Circlip T02-3422	E-2396
T02-3478 	¾″ 19mm	2-7⁄16″ 62mm	Rockwell TN Axles	Used in conjunction with Roller T02-3479K & Circlip T02-3422	E-3482
0308475240 	1″ 25mm	2-9⁄32″ 58mm	BPW Brake 95	Used in conjunction with Roller 0533144020, Roller Bush 0311200620 & Retainer Ring 0331070150	

O.D. - OUTSIDE DIAMETER LGTH - LENGTH

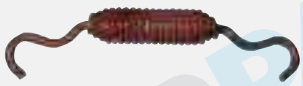
BRAKE SHOE HARDWARE CONTINUED
ROLLERS, RETAINERS & PINS

ROLLERS RETAINERS

PART NO.	APPLICATION	NOTES	REPLACES
E-3227 	▪ Fruehauf Propar Axles 16-½" x 7" Brakes	▪ Can use T02-3415AU for HD Applications	
3105B210 	▪ 'Q' Brake/Fast Change Type Brakes	▪ Can use T02-3415AU for HD Applications	▪ E-3007A ▪ WT3418
T02-3399 	▪ Fruehauf Propar Axles 12-¼" x 8" Brakes		▪ E-1581
T02-3401 	▪ 'P' Brake Type Axles	▪ Can use T02-3415AU for HD Applications	▪ E-539 ▪ 34.1529
T02-3415AU 	▪ Most GP Axles	▪ HD Option	▪ WT3417 ▪ TP3417
0335000130 	▪ BPW New Gen Axles ▪ BPW 9000 Lightweight Axles		
0331070150 	▪ BPW Brake 95	▪ 15⁄16" 24mm Outside Diameter ▪ 3⁄64" 3.6mm Thickness ▪ Used in conunction with Roller 0533144020, Roller Pin 0311200620 & Retainer Ring 0308475240	

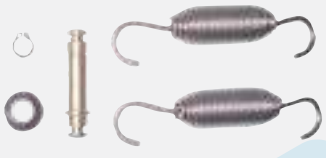
NOTES

BRAKE SHOE HARDWARE
RETURN SPRINGS

SPRINGS — BRAKE RETURN/RETAINER					
PART NO.	**O.D.**	**LGTH**	**APPLICATION**	**NOTES**	**REPLACES**
T02-3449 	¾″ 19mm	5-½″ 140mm	'Q' Brake/Fast Change Axles	2 required per wheel	E-2767
T02-3451 	1-¼″ 32mm	7-15⁄16″ 202mm	'P' Brake Axles - HD	1 required per wheel Off-Road extra HD use MB7016	E-1880B WT3451
T02-3451S 	1-⅛″ 29mm	7-15⁄16″ 202mm	'P' Brake Axles - Standard	1 required per wheel	E-545A
T02-3455 	¾″ 19mm	4-3⁄16″ 106mm	Dana Spicer Axles (Early) Standard Forge Axles (Early)	2 required per wheel	E-2101
T02-3456 	1″ 25mm	6″ 153mm	Eaton E34 Axle	2 required per wheel	E-1402-TU R567004
T02-3459 	1-⅛″ 29mm	10-13⁄16″ 275mm	Eaton JE501-L Axles	1 required per wheel	E-1428S
T02-3460 	1″ 25mm	7-1⁄16″ 180mm	Eaton JE501-L Axles	2 required per wheel	E-1418
0339734110 	27⁄32″ 21mm	7-1⁄16″ 180mm	BPW Old Gen Axles	2 required per wheel	
T02-3462 	1″ 25mm	6-½″ 166mm	Freighter A19H Axles Dana Spicer Axles (Late) Standard Forge Axles (Late)	1 required per wheel	E-2398 2258V256
T02-3468 	1″ 25mm	10-¼″ 260mm	BPW Old Gen Axles BPW New Gen Axles BPW 9000 Lightweight Axles	2 required per wheel	WT3459

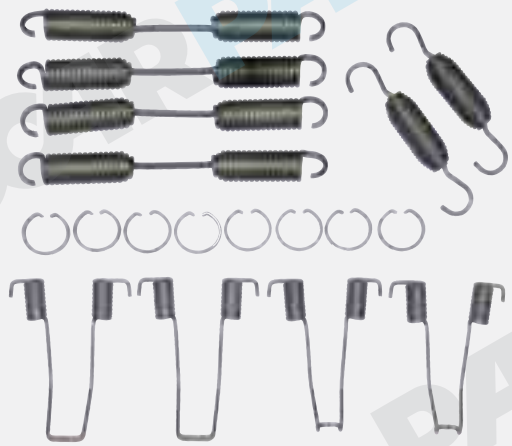
O.D. - OUTSIDE DIAMETER LGTH - LENGTH

BRAKE SHOE HARDWARE
RETURN SPRINGS

SPRINGS — BRAKE RETURN/RETAINER					
PART NO.	**O.D.**	**LGTH**	**APPLICATION**	**NOTES**	**REPLACES**
T02-3475 	27/32″ 21mm	4-1/8″ 105mm	BPW New Gen Axles BPW 9000 Lightweight Axles	2 required per wheel	WT3470
T02-3476 	1-3/32″ 28mm	6-3/4″ 172mm	Fruehauf Propar Axles	1 required per wheel	E-1583
T02-3477 	1-1/8″ 29mm	6-15/16″ 176mm	Rockwell TN Axles	1 required per wheel	E-3481A
T02-3480 	1-1/4″ 32mm	8-3/8″ 213mm	'Q' Brake/Fast Change Axles - HD	1 required per wheel	E-3490S
0539758040 	1-1/3″ 34mm	10-13/16″ 274mm	BPW Brake 95 Axles 4218	1 required per wheel	T02-3481
0539746130 	24.5mm	236mm	BPW Brake 95 Axles 3620	2 required per wheel	
0339733120 	3/4″ 19mm	4-1/2″ 115mm	BPW Brake 95 Axles	1 required per wheel Brake Shoe Positioning	
0339733130 	3/4″ 19mm	4-1/2″ 115mm	BPW Brake 95 Axles	1 required per wheel Brake Shoe Positioning	
T02-8408-0 	1″ 25mm	5-7/8″ 148mm	Slack Adjuster Return Spring Kit for ½″ Clevis Pin	1 required per wheel	03.8408.0

O.D. - OUTSIDE DIAMETER LGTH - LENGTH

BRAKE SHOE HARDWARE CONTINUED
RETURN SPRINGS

SPRING KIT — BRAKE RETURN/RETAINER		
PART NO.	**APPLICATION**	**NOTES**
3620SPK1T 	▌BPW Brake 95 Axles 360 x 200mm Brakes	▌Services 1 Axle ▌Contains: 4x Return Spring 4x Positioning Spring 8x Retainer Clips 2x Slack Adjuster Return Spring
4218SPK1T 	▌BPW Brake 95 Axles 420 x 180mm Brakes	▌Services 1 Axle ▌Contains: 2x Return Spring 4x Positioning Spring 8x Retainer Clips 2x Slack Adjuster Return Spring

BRAKE SHOE HARDWARE CONTINUED
RETURN SPRINGS

PINS — BRAKE RETURN/RETAINER

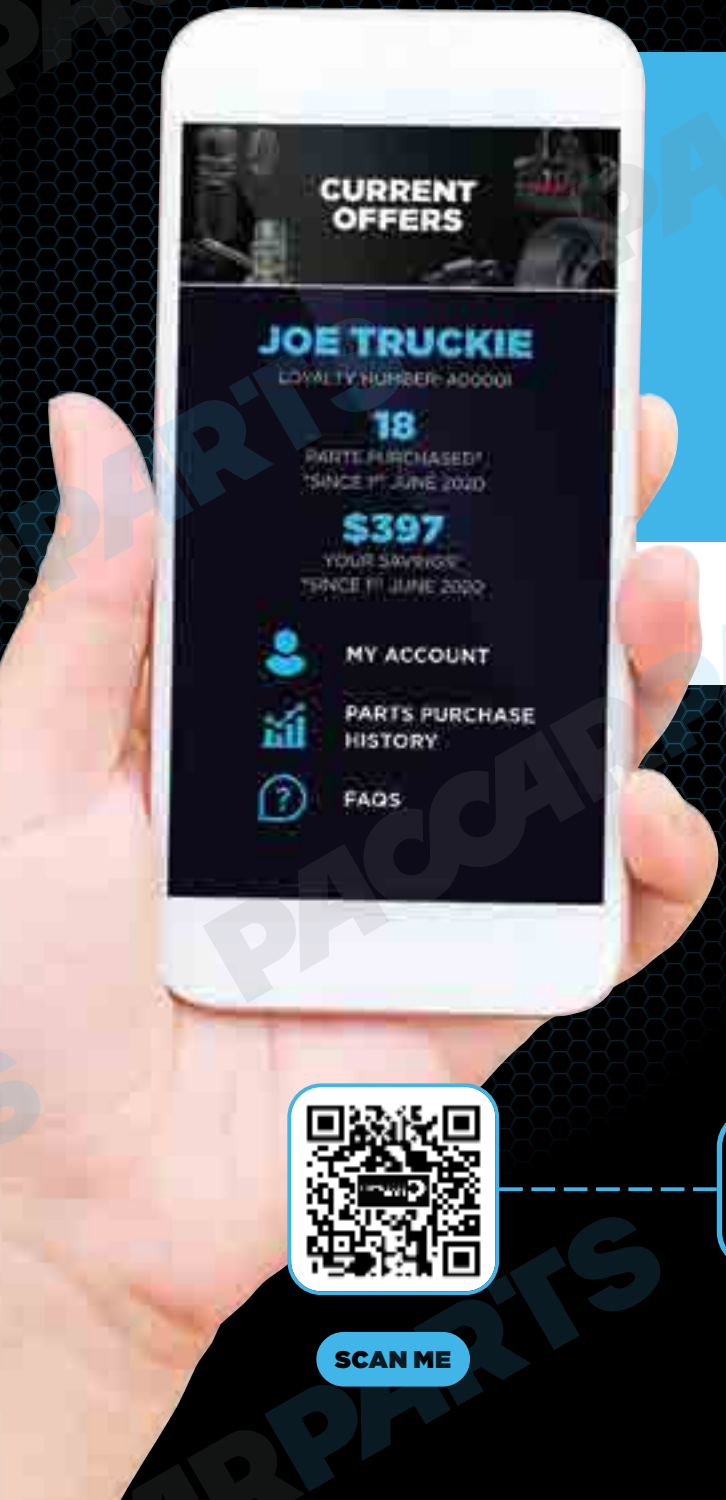
PART NO.	OUTSIDE DIAMETER	OVERALL LENGTH	APPLICATION	REPLACES
T02-3452 	¼″ 6mm	2-¾″ 71mm	Can be used on All GP Applications	E-747 WT3452 1218G85BULK
T02-3452HD 	31/64″ 12mm	2-9/16″ 66mm	Can Be Used on All GP Applications HD version T02-3452	3.3702.1
T02-3466 	31/64″ 12mm	4-¾″ 120mm	BPW Old Gen Axles	0308442020 WT3458
0300108050 	15/32″ 12mm	3-15/16″ 99mm	BPW Old Gen Axles BPW New Gen Axles BPW 9000 Lightweight Axles	

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"No one who achieves success does so without the help of others. The wise and confident acknowledge this help with gratitude."

— Alfred North Whitehead, Mathematician & Philosopher

PACCAR Parts wishes to thank everyone for his or her tireless support in our joint effort to help our customers with accurate parts & service information!

Andrew Moutsios	Annette Beet	Anthony Kwan	Brad Sleath
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		Swapnil Kharade	Tim Ellis
			Veda Chhuen

EDITION 1 AUGUST 2021

PACCAR PARTS TRAILER CATALOGUE HISTORY

PACCAR is well known for its long history of manufacturing heavy duty trucks in Australia, Europe and the United States. PACCAR Parts Australia continues to be a leading well established distributor of truck and trailer components, stocking original equipment parts as well as aftermarket lines from a global network of trusted suppliers.

This knowledge, expertise and commitment to the heavy transport industry saw PACCAR Parts Australia produce one of the industry's first ever trailer catalogues back in 1995. This catalogue grew over the years with additions and updates encompassing the changes in technology and parts required to maintain today's huge range of trailer types.

As the catalogue itself evolved, so has its production with improvements to the methods used to prepare, collate, print and distribute it. Today the PACCAR Parts Trailer catalogue is available in hard copy and online through the PACCAR Parts website.

With improved detail drawings and the introduction of new trailer equipment manufacturers, the PACCAR Parts Trailer Parts Catalogue is the most comprehensive in the industry.

Underpinning the trailer catalogue itself is a wide network of PACCAR Dealers across Australia and New Zealand, all with the expertise to go the extra mile to ensure you find the right part, at the right time and keep your trailer well maintained, thus maximising uptime.



www.paccarparts.com.au

PACCAR PARTS
TRAILER CATALOGUE

Volume 2 — Braking/Wheel End



INTRODUCTION

PACCAR's focus is on you, our customer, and in this Volume of the PACCAR Parts Trailer Catalogue we bring to you a comprehensive range of braking and wheel end parts. Parts vital to the ongoing maintenance and operation of all your trailers.

PACCAR have partnered with leading manufacturers to bring you the most up to date information, all at your fingertips. As with Volume 1, this catalogue features colour coded chapters and detailed information including part numbers, descriptions, and dimensions on parts.

The PACCAR network is expanding to ensure that parts featured here are available at dealerships near your area of operations. With locations across Australia, New Zealand and Papua New Guinea, including the ever-expanding TRP stores, there is sure to be a dealership close by.

On behalf of PACCAR Parts Australia, we trust you find Volume 2 a valuable and useful tool for your business.

Best regards,

Damian Smethurst
General Manager
PACCAR Parts Australia



TRUCK & TRAILER CONFIGURATION GUIDE

		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
1. COMMON RIGID TRUCKS - GENERAL ACCESS						
(A)	 6.0t 9.0t	**2 Axle Rigid Truck**	≤ 12.5	15.0	CML does not apply	-
(B)	 6.0t 16.5t	**3 Axle Rigid Truck**	≤ 12.5	22.5	23.0	-
(C)	 6.0t 20.0t	**4 Axle Rigid Truck**	≤ 12.5	26.0	27.0	-
(D)	 10.0t* 16.5t	**4 Axle Twinsteer Rigid Truck**	≤ 12.5	26.5	27.0	-
(E)	 10.0t* 20.0t	**5 Axle Twinsteer Rigid Truck**	≤ 12.5	30.0	31.0	-
2. COMMON SEMITRAILER COMBINATIONS - GENERAL ACCESS						
(A)	 6.0t 9.0t 9.0t	**3 Axle Semitrailer**	≤ 19.0	24.0	-	-
(B)	 6.0t 9.0t 16.5t	**4 Axle Semitrailer**	≤ 19.0	31.5	32.0	32.0
(C)	 6.0t 9.0t 20t	**5 Axle Semitrailer**	≤ 19.0	35.0	36.0	37.5
(D)	 6.0t 16.5t 16.5t	**5 Axle Semitrailer**	≤ 19.0	39.0	40.0	40.0
(E)	 6.0t 16.5t 20.0t	**6 Axle Semitrailer**	≤ 19.0	42.5	43.5	45.5

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.''The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

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		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
3. COMMON RIGID TRUCK AND TRAILER COMBINATIONS (General access when complying with prescribed mass & dimension requirements)						
(A)	 6.0t 9.0t 9.0t** 9.0t**	**2 Axle Truck & 2 Axle Dog Trailer**	≤ 19.0	30.0	-	-
(B)	 6.0t 9.0t 15.0t	**2 Axle Truck & 2 Axle Pig Trailer**	≤ 19.0	30.0	CML does not apply	-
(C)	 6.0t 16.5t 9.0t 9.0t	**3 Axle Truck & 2 Axle Dog Trailer**	≤ 19.0	40.5	41.0	-
(D)	 6.0t 16.5t 15.0t	**3 Axle Truck & 2 Axle Pig Trailer**	≤ 19.0	37.5	CML does not apply	-
(E)	 6.0t 16.5t 9.0t** 16.5t**	**3 Axle Truck & 3 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(F)	 6.0t 16.5t 18.0t	**3 Axle Truck & 3 Axle Pig Trailer**	≤ 19.0	40.5	CML does not apply	-
(G)	 6.0t 16.5t 16.5t** 16.5t**	**3 Axle Truck & 4 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(H)	 10.0t* 16.5t 9.0t 16.5t	**4 Axle Truck & 3 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
(I)	 10.0t* 16.5t 16.5t** 16.5t**	**4 Axle Truck & 4 Axle Dog Trailer**	≤ 19.0	42.5	43.5	-
4. COMMON B-DOUBLE COMBINATIONS - CLASS 2						
(A)	 6.0t 16.5t 16.5t 16.5t	**7 Axle B-double**	≤ 19.0	55.5	57.0	57.0
(B)	 6.0t 16.5t 20.0t 16.5t	**8 Axle B-double**	≤ 26.0	59.0	61.0	62.5
(C)	 6.0t 16.5t 16.5t 20.0t	**8 Axle B-double**	≤ 26.0	59.0	61.0	62.5
(D)	 6.0t 16.5t 20.0t 20.0t	**9 Axle B-double**	≤ 26.0	62.5	64.5	68.0

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.**The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

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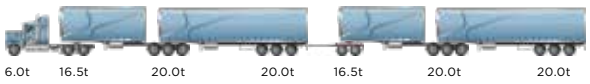
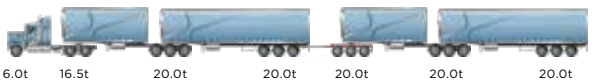
TRUCK & TRAILER CONFIGURATION GUIDE

		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
5. COMMON TYPE 1 ROAD TRAINS - CLASS 2						
(A)		**9 Axle A-Double**	≤ 36.5	72.0	74.0	74.0
(B)		**11 Axle A-Double**	≤ 36.5	79.0	81.0	85.0
(C)		**12 Axle A-Double**	≤ 36.5	82.5	84.5	90.5
(D)		**12 Axle Modular B-Triple**	≤ 35.0	82.5	84.5	90.5
(E)		**12 Axle B-Triple**	≤ 36.5	82.5	84.5	90.5
(F)		**14 Axle AB-Triple**	≤ 36.5	99.0	101.0	107.5
(G)		**15 Axle AB-Triple**	≤ 36.5	102.5	104.5	113.0
(H)		**11 Axle Rigid Truck & 2 Dog Trailers**	≤ 36.5	88.5	90.5	91.0

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.**The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

Please note, additional limits are allowed for steer axles under Schedule 1, Part 2 of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.
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		Description	Max Length (m)	MRM under GML (t)	MRM under CML (t)	MRM under HML (t)
6. COMMON TYPE 2 ROAD TRAINS - CLASS 2						
(A)		**16 Axle A-Triple**	≤ 53.5	115.5	117.5	124.5
(B)		**18 Axle A-Triple**	≤ 53.5	122.5	124.5	135.5
(C)		**15 Axle AB-Triple**	≤ 47.5 – Classified by the NHVR as Type 1 when L ≤ 36.5m	102.5	104.5	113.0
(D)		**13 Axle Rigid Truck & 2 Dog Trailers**	≤ 47.5 – Classified by the NHVR as Type 1 when L ≤ 36.5m	95.5	97.5	102.0
(E)		**17 Axle BAB-Quad**	≤ 53.5	119.0	121.0	130.0
(F)		**18 Axle BAB-Quad**	≤ 53.5	122.5	124.5	135.5
(G)		**17 Axle ABB-Quad**	≤ 53.5	119.0	121.0	130.0
(H)		**18 Axle ABB-Quad**	≤ 53.5	122.5	124.5	135.5

MRM = Maximum Regulatory Mass m = metres t = tonnes

* Add one tonne if twinsteer axle group is load sharing.**The mass of a dog trailer shall not exceed the mass of the towing vehicle under Schedule 1, Part 1, section 2(4) of the Heavy Vehicle (Mass, Dimension and Loading) National Regulation.

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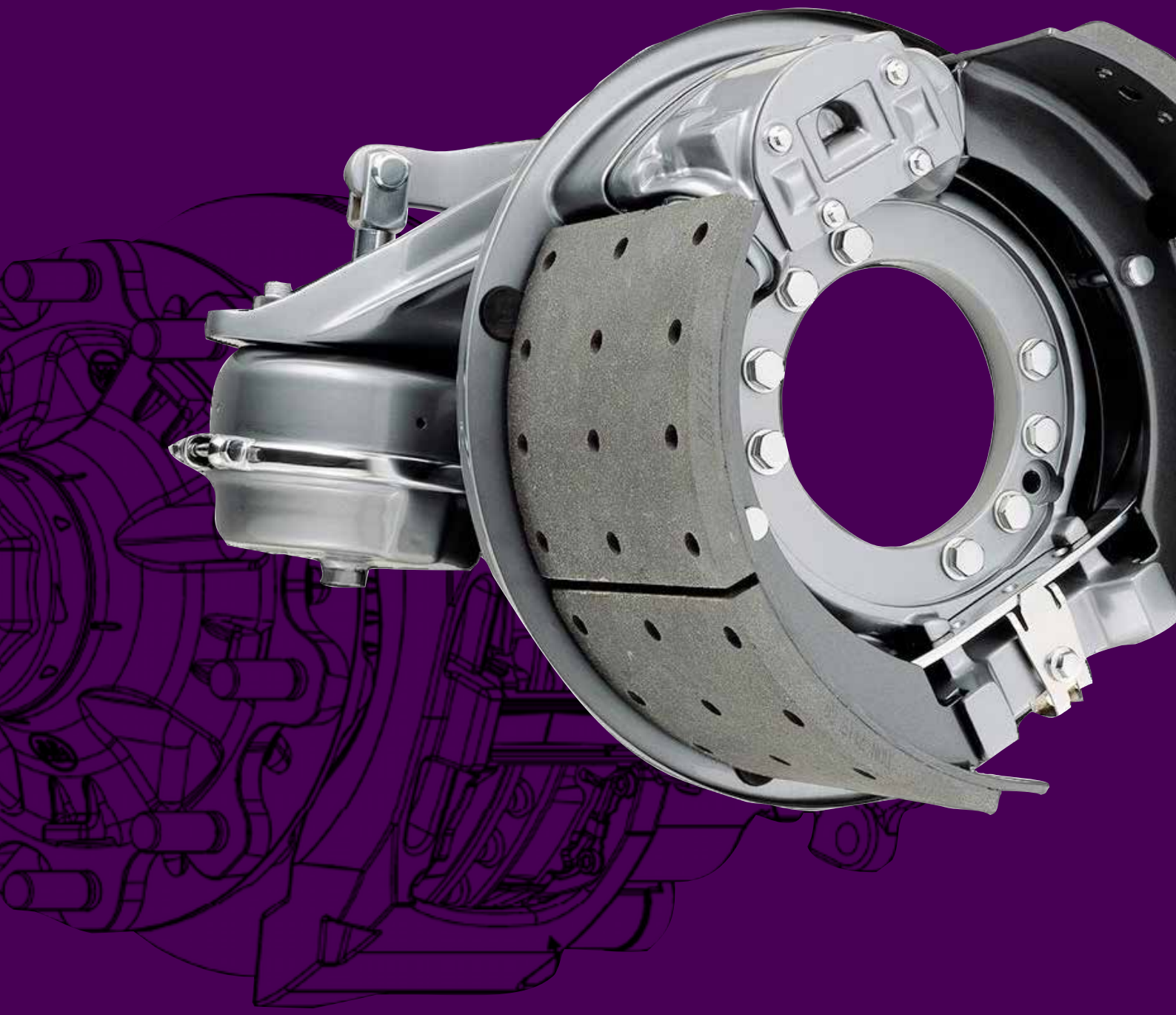
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METRIC CONVERSION

Inch (Fraction)	Inch (Decimal)	mm
1/64	0.0156	0.397
1/32	0.0313	0.794
3/64	0.0469	1.191
1/16	0.0625	1.587
5/64	0.0781	1.984
3/32	0.0938	2.381
7/64	0.1094	2.778
1/8	**0.125**	**3.175**
9/64	0.1406	3.572
5/32	0.1563	3.969
11/64	0.1719	4.366
3/16	0.1875	4.762
13/64	0.2031	5.159
7/32	0.2188	5.556
15/64	0.2344	5.953
1/4	**0.25**	**6.35**
17/64	0.2656	6.747
9/32	0.2813	7.144
19/64	0.2969	7.541
5/16	0.3125	7.937
21/64	0.3281	8.334
11/32	0.3438	8.731
23/64	0.3594	9.128
3/8	**0.375**	**9.525**
25/64	0.3906	9.922
13/32	0.4063	10.319
27/64	0.4219	10.716
7/16	0.4375	11.113
29/64	0.4531	11.509
15/32	0.4688	11.906
31/64	0.4844	12.303
1/2	**0.5**	**12.7**

Inch (Fraction)	Inch (Decimal)	mm
33/64	0.5156	13.097
17/32	0.5313	13.494
35/64	0.5469	13.890
9/16	0.5625	14.287
37/64	0.5781	14.684
19/32	0.5938	15.081
39/64	0.6094	15.478
5/8	**0.625**	**15.875**
41/64	0.6406	16.272
21/32	0.6563	16.669
43/64	0.6719	17.065
11/16	0.6875	17.462
45/64	0.7031	17.859
23/32	0.7188	18.265
47/64	0.7344	18.653
3/4	**0.75**	**19.05**
49/64	0.7656	19.447
25/32	0.7813	19.884
51/64	0.7969	20.240
13/16	0.8125	20.637
53/64	0.8281	21.034
27/32	0.8438	21.431
55/64	0.8594	21.828
7/8	**0.875**	**22.225**
57/64	0.8906	22.622
29/32	0.9063	23.019
59/64	0.9219	23.415
15/16	0.9375	23.812
61/64	0.9531	24.209
31/32	0.9688	24.606
63/64	0.9844	25.003
1	**1**	**25.4**



Regular maintenance schedules and using the right components are vital to ensure the safe operation of your trailer's braking system. This section will assist to identify brake calipers and pads, couplings, air tanks, air valves along with a comprehensive range of brake drums. PACCAR Parts – we've got your brake needs sorted.

BRAKING

CALIPERS, ROTORS & PADS, DRUMS

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BRAKE CALIPER IDENTIFICATION

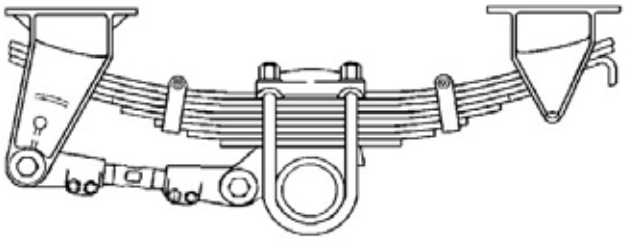
The following brake caliper identification pages contain useful information for visually identifying various Truck & Trailer calipers.

- Identify the “hand” of the caliper, not the position
- Calipers can be used in opposite positions depending on Overslung or Underslung suspension
- Pad retainer type & internal/external booster configuration can help

Note for BPW Calipers

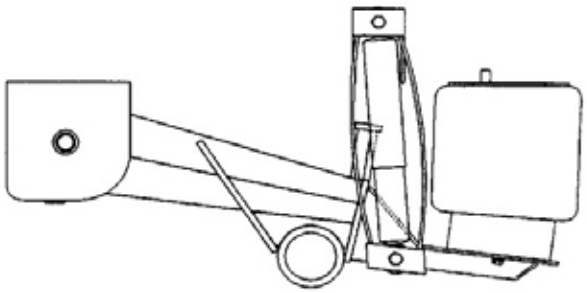
For underslung suspensions the right hand caliper is used on the left hand side of the axle and the left hand caliper is used on the right hand side of the axle. When identifying right or left handed calipers you must know whether the suspension is underslung or overslung.

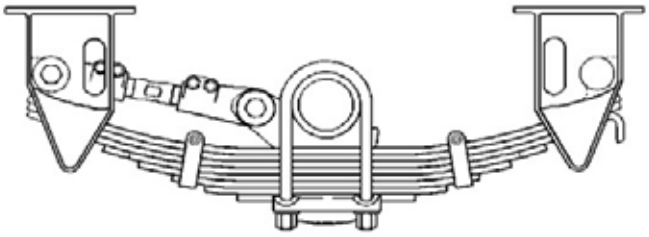
- Overslung = suspension springs over axle
- Underslung = suspension springs under axle



OVERSLUNG

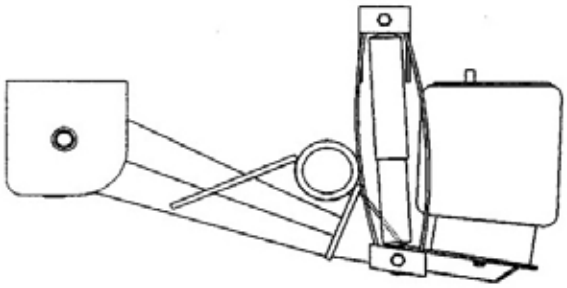
Suspension beam or spring **OVER** the axle





UNDERSLUNG

Suspension beam or spring **UNDER** the axle



BRAKE CALIPER IDENTIFICATION
WABCO CALIPER

WABCO

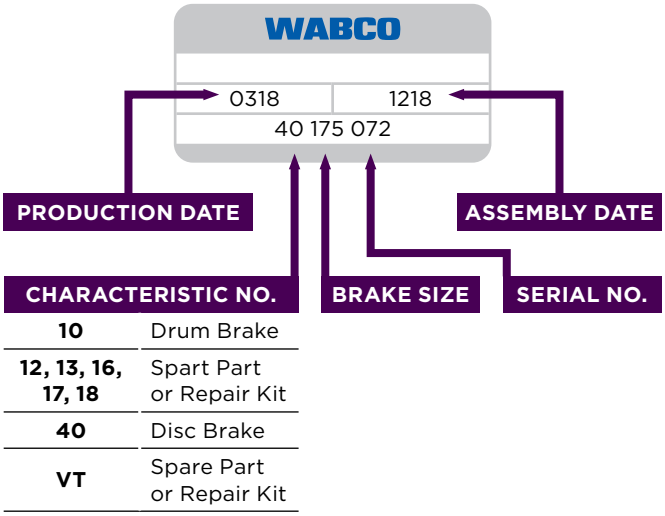


PAN 19 for 375mm Rotor
PAN 22 for 430mm Rotor

Structure of the WABCO Number

WABCO part numbers consist of 8 or 10 digits

8 Digit Product Number (Wheel Brakes)



CHARACTERISTIC NO.	
10	Drum Brake
12, 13, 16, 17, 18	Spart Part or Repair Kit
40	Disc Brake
VT	Spare Part or Repair Kit

NOTES

BRAKE CALIPER IDENTIFICATION
WABCO CALIPER

WABCO

WABCO PAN 19/22

LEFT HAND



LONG CASTING

LH Back View



LONG CASTING

LH Top View

RIGHT HAND



RH Back View

LONG CASTING



RH Top View

LONG CASTING

WABCO / HENDRICKSON MAXX22T

LEFT HAND



LONG CASTING

LH Back View



LONG CASTING

LH Top View

RIGHT HAND



RH Back View

LONG CASTING



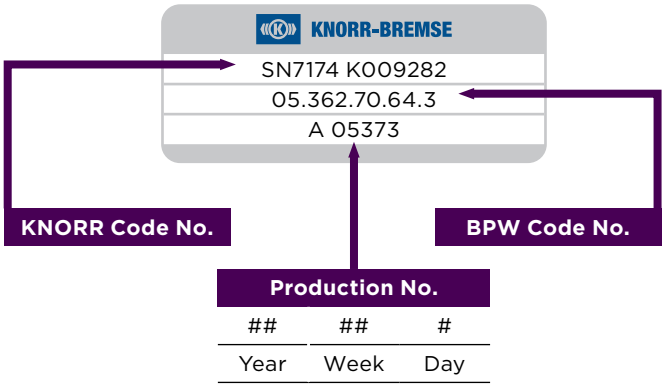
RH Top View

LONG CASTING

BRAKE CALIPER IDENTIFICATION
KNORR BREMSE CALIPER

KNORR-BREMSE





SB6 or SN6 370mm Diameter Rotor
SB7 or SN7 430mm Diameter Rotor
SK – 377mm

KNORR BREMSE SB/SK/SN TYPE

LEFT HAND

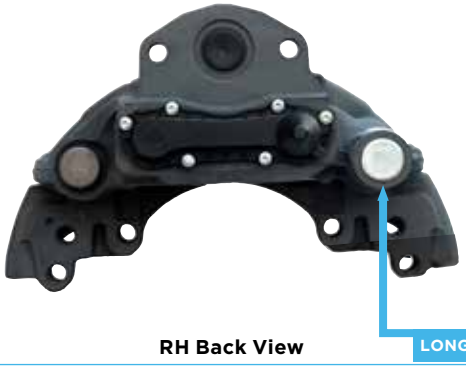


LH Back View



LH Top View

RIGHT HAND



RH Back View

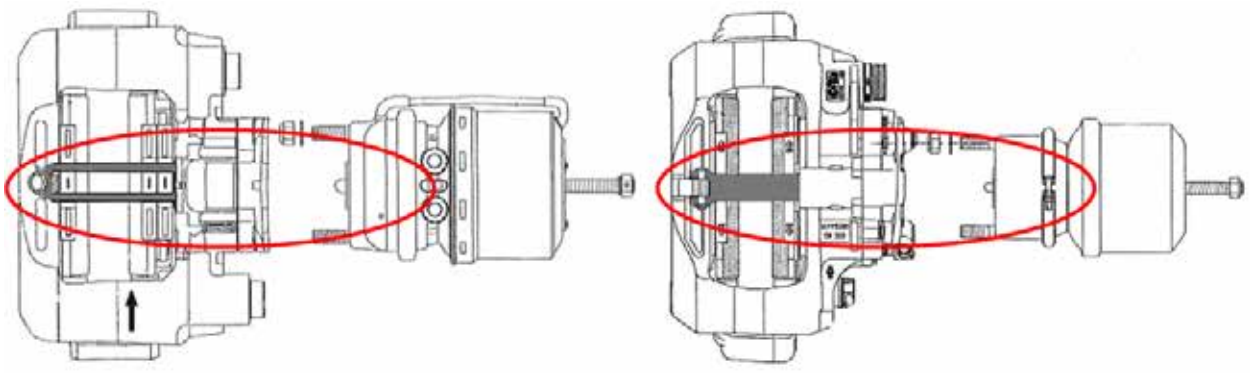


RH Top View

WABCO

KNORR-BREMSE

BRAKE CALIPER IDENTIFICATION
WABCO VS KNORR BREMSE



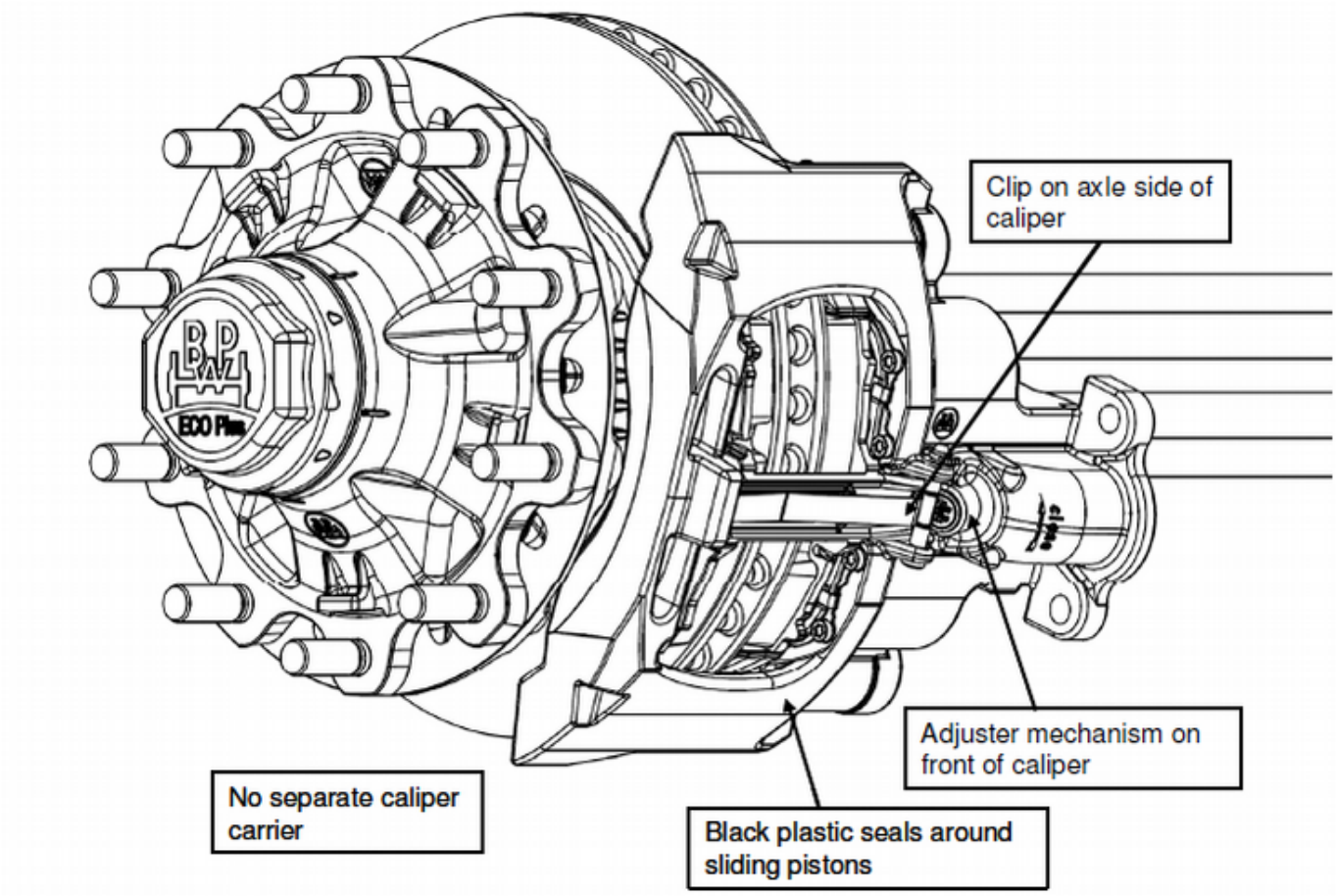
WABCO
Two Rod Type Pad Retainer
Internal Pushrod Booster

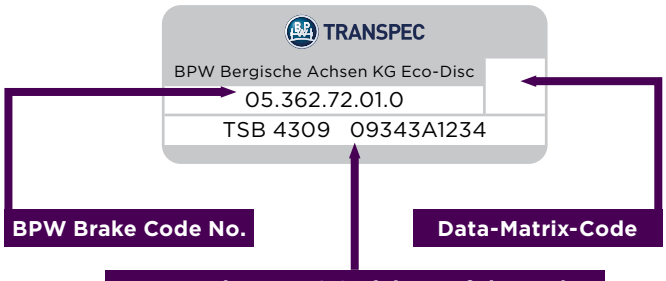
KNORR BREMSE
Flat Style Type Pad Retainer
Internal Pushrod Booster

NOTES

BRAKE CALIPER IDENTIFICATION
BPW — TSB CALIPER

TRANSPEC





BPW Brake Type & Serial No. of the Brake	
TSB 4309	430mm Rotor
TSB 3709	374mm Rotor

- When the TSB caliper is mounted to the front of the axle (i.e. in the direction of travel) the long or fixed guide pins will be towards the bottom whether the suspension is underslung or overslung
- If the caliper is mounted behind the axle then the right handed caliper is used the left hand side of the axle and the left handed caliper is used on the right side of the axle

TRANSPEC

KNORR-BREMSE

BRAKE CALIPER IDENTIFICATION
BPW — KNORR BREMSE A/B/C TYPE

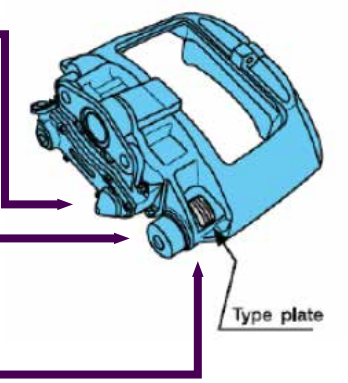
IDENTIFYING FEATURES OF CALIPER TYPES A & B

Type A — 8mm hex adjustment screw with flat plastic cover

Type B — 10mm hex sacrificial adjuster screw with domed rubber cover

Steel cap with o ring from mid 2000, bellow with hose clip up to mid 2000

Two part housing

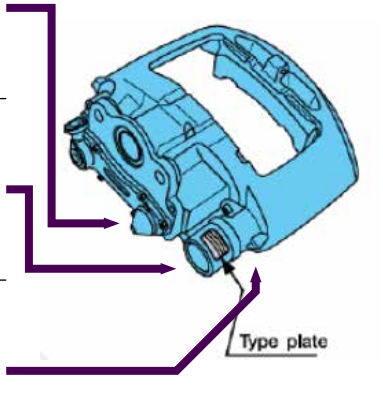


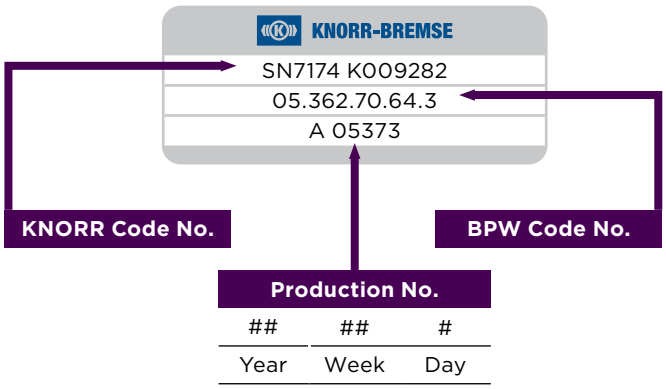
IDENTIFYING FEATURES OF CALIPER TYPE C

10mm hex sacrificial adjuster screw with domed rubber cover

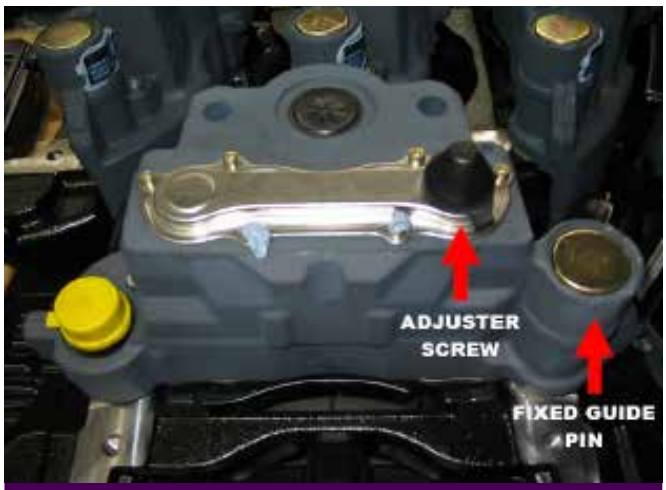
Flat steel cover

One part housing





- For underslung suspensions the right hand caliper is used on the left hand side of the axle and the left hand caliper is used on the right hand side of the axle
- When identifying right or left handed caliper you must know whether the suspension is underslung or overslung



LEFT HAND CALIPER

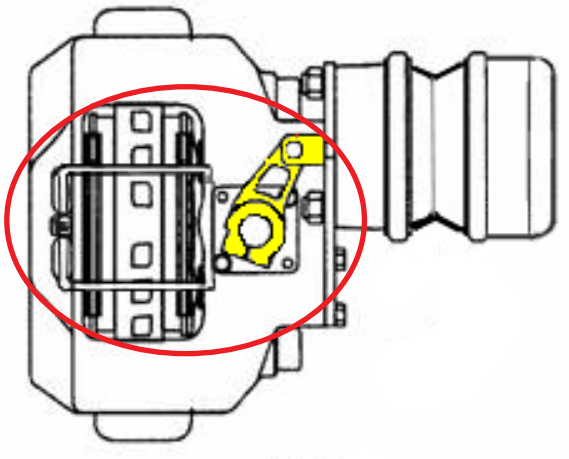
Adjuster screw is adjacent to the fixed guide pin

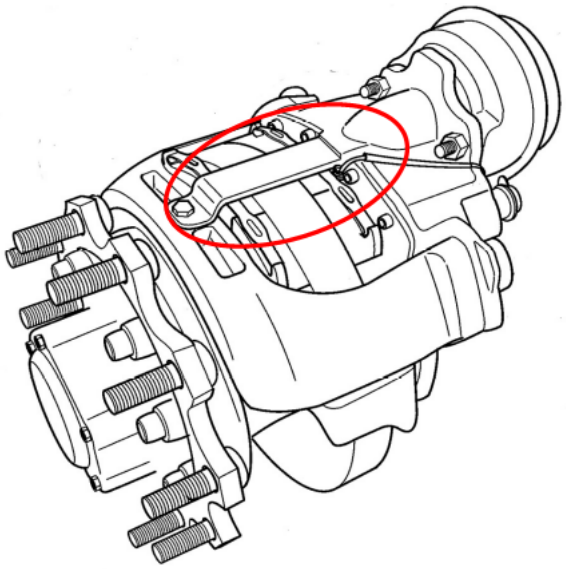


RIGHT HAND CALIPER

Adjuster screw is on the opposite side of the caliper from the fixed guide pin

BRAKE CALIPER IDENTIFICATION
MERITOR CALIPER





MERITOR DX195
Two Rod Type Pad Retainer
External Pushrod Booster

MERITOR ELSA195
Flat Bar Pad Retainer
Internal Pushrod Booster

NOTES

BRAKE CALIPER IDENTIFICATION
MERITOR CALIPER

MERITOR DX195

LEFT HAND	RIGHT HAND
	
LH Back View	RH Back View
	
LH Top View	RH Top View

MERITOR ELSA195

LEFT HAND	RIGHT HAND
	
LH Back View	RH Back View
	
LH Top View	RH Top View

BRAKE CALIPERS
ASSEMBLY & SERVICE PARTS

WABCO

PAN 19 — 377mm						
APP.	**ASSEMBLY**	**PART NO.**	**REPLACES**	**SERVICE**	**PART NO.**	**REPLACES**
Hendrickson Fuwa K Hitch SAF-Holland York TMC	Left Hand	6401951310	79787317 3080007100 3080003300 S40195027 40195027	Brake Pad Kit	12999737	79787364 3057008002 6401959332
	Right Hand	6401951320	79787318 3080007200 3080003200 S40195028 40195028	Seal & Guide Bolt	6402259212	79787365 3434382701

PAN 22 — 430mm						
APP.	**ASSEMBLY**	**PART NO.**	**REPLACES**	**SERVICE**	**PART NO.**	**REPLACES**
Hendrickson Fuwa K Hitch York TMC	Left Hand	6402251200	79787421 6402250360 D-31346-1L	Brake Pad Kit	12999796	79787420 6402259222 3057008400
	Right Hand	6402251210	79787422 D-31346-1R 6402250370	Seal & Guide Bolt	6402259212	79787365 S-32676-4

APP - APPLICATION

BRAKE CALIPERS
ASSEMBLY & SERVICE PARTS

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MAXX22T HDT — 415mm

APP.	ASSEMBLY	PART NO.	REPLACES	SERVICE	PART NO.	REPLACES
Hendrickson	Left Hand	98881-103	6402220050	Brake Pad Kit	S-35303-1	Includes Pads, Springs, Holder Brackets, Screws & Plugs
	Right Hand	98881-104	6402220060	Seal & Guide Bolt Kit	S-35303-4	Includes Plug, Inner Seals, Outer Seals, Sliding Bolts, Metal Caps, Screws & Guide Pin Bushes
				Piston Seal Kit	D-32676-3	Includes Plug, Inner Seal & Outer Seal

WABCO HTD — 377mm

APP.	ASSEMBLY	PART NO.	REPLACES	SERVICE	PART NO.	REPLACES
Hendrickson	Left Hand	97097-007	6401950810	Brake Pad Kit	98881-021	Includes Pad Retaining Hardware
	Right Hand	97097-008	6401950820	Seal & Guide Bolt Kit	D-32676-15	Single Caliper Kit includes Caps
				Piston Seal Kit	D-32676-3	Single Caliper Kit
				Caliper Cap Kit	98881-040	Includes LH & RH side
				Guide Pin Cover Kit	97805-001	Includes LH & RH side

WABCO HTD — 430mm

APP.	ASSEMBLY	PART NO.	REPLACES	SERVICE	PART NO.	REPLACES
Hendrickson	Left Hand	D-31346-1L	6402250360	Brake Pad Kit	D-32676-1	Includes Pad Retaining Hardware
	Right Hand	D-31346-1R	6402250370	Seal & Guide Bolt Kit	D-32676-15	Single Caliper Kit includes Caps
				Piston Seal Kit	D-32676-3	Single Caliper Kit
				Caliper Cap Kit	98881-040	Includes LH & RH side
				Guide Pin Cover Kit	97802-001	Includes LH & RH side

KNORR BREMSE — SN7 — 430mm

APP.	ASSEMBLY	PART NO.	SERVICE	PART NO.	REPLACES
Hendrickson	Left Hand	97097-017	Brake Pad Kit	98881-005	Includes Adjuster Plug, Nut & Retainer Hardware
	Right Hand	97097-018	Slide Rebuild Kit	97097-013	SN7
			Tappet Kit	97097-009	SN7

APP - APPLICATION

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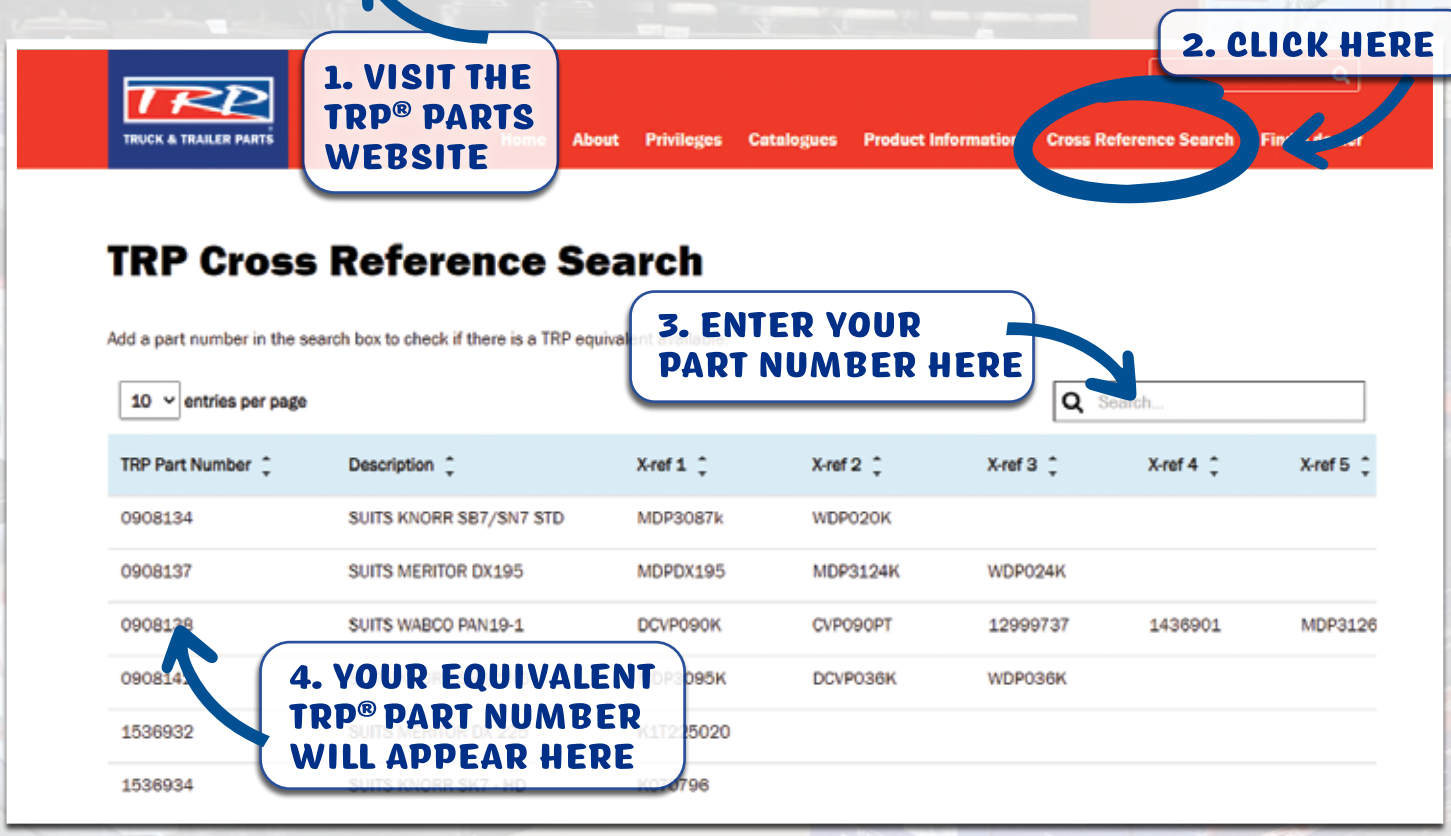
- Ben Richards, Parts Manager.

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SCAN ME

BRAKE CALIPERS
ASSEMBLY & SERVICE PARTS

TRANSPEC

TSB 3709 — 377mm				
APP.	ASSEMBLY	PART NO.	SERVICE	PART NO.
BPW	Left Hand	0936272131TS	Brake Pad Kit	0980107940
	Right Hand	0936272141TS	Guide Pin Repair Kit	0980107611
			Seal & Guide Pin Kit	0980107620
			Tappet Repair Kit	0980107631

TSB 4309 — 430mm				
APP.	ASSEMBLY	PART NO.	SERVICE	PART NO.
BPW	Left Hand	0936272110TS	Brake Pad Kit	0980107960
	Right Hand	0936272120TS	Guide Pin Repair Kit	0980107611
			Seal & Guide Pin Kit	0980107620
			Tappet Repair Kit	0980107631

SB 3745 — 377mm							
APP.	ASSEMBLY	PART NO.	RATION-ALISED CALIPER	PART NO.	SERVICE	PART NO.	COMMENT
BPW (Knorr)	Left Hand	0536270375	Left Hand	0536270610RAT	Brake Pad Kit	0980108151	
	Right Hand	0536270365	Right Hand	0536270600RAT	Guide Pin & Seal Repair Kit	0980106240/310	Type A & B
						0980106330	Type C
					Thrust Pad & Boot Kit	0980102630	Type A & B
						0980106320	Type C

*Axial mounting - Carrier PN 0203131300

SB 3745T/SB4309T — 377mm/430mm							
APP.	ASSEMBLY	PART NO.	RATION-ALISED CALIPER	PART NO.	SERVICE	PART NO.	COMMENT
BPW (Knorr)	Left Hand - SB3745T	0536270615	Left Hand - SB3745T	0536270610RAT	Brake Pad Kit	0980108151	
	Right Hand - SB3745T	0536270605	Right Hand - SB3745T	0536270600RAT		0980108161	
	Left Hand - SB4309T	0536270635	Left Hand - SB4309T	0536270630RAT	Guide Pin & Seal Repair Kit	0980106330	
	Right Hand - SB4309T	0536270625	Right Hand - SB4309T	0536270620RAT		0980106330KB	Suits Ration-alised Caliper
					Thrust Pad & Boot Kit	0980106320	

*Tangential Mounting - Carrier PN 0330388550 or 0330388560

APP - APPLICATION

BRAKE CALIPERS
ASSEMBLY & SERVICE PARTS

MERITOR
RUN WITH THE BULL

DX195 — 378mm				
APP.	ASSEMBLY	PART NO.	SERVICE	PART NO.
Meritor	Left Hand	15224836SR	Brake Pad Kit	MDP5076
	Right Hand	15224837SR	Guide Pin Kit	MCK1171

ELSA195 — 378mm				
APP.	ASSEMBLY	PART NO.	SERVICE	PART NO.
Meritor	Left Hand	LRG702	Brake Pad Kit	MDP5093
	Right Hand	LRG703	Guide Pin Kit	MCK1298

KNORR-BREMSE

SB 3745 — 377mm					
PART NO.	DESCRIPTION	APP.	CARRIER NO.	KNORR TYPE NO.	SUITS ROTOR SIZE
K003783	Rationalised Caliper - LH	BPW, Hendrickson		(Original cal. = SB7) Rat = SN7	430mm
K003784	Rationalised Caliper - RH				
K013173	Rationalised Caliper	BPW	K001105	SN6539	370mm
K013174				SN6529	
K013173			K004679	SN6517	
K013174				SN6507	
K012634			K012619	SN7011	430mm
K012633				SN7001	

SB 3745 — 377mm						
PART NO.	MOUNTING TYPE	WHEEL SIZE	GUIDE & SEAL KIT	TAPPET & BOOT KIT	BRAKE PAD SET	ADJUSTER CAP KIT
K003783	Axially Mounted Caliper	22.5	K067417K50	K010603	K046771K50	K000029
K003784						
K013173		19.5			K078206K50	
K013174						
K013173	Tangentially Mounted Caliper					
K013174		22.5	K108002K50		K046771K50	
K012634						
K012633						

APP - APPLICATION

BRAKE CALIPERS
TOOL SET

TOOL SETS FOR MAXX, MAXXUS & PAN CALIPERS

Full Tool Set
4006083750



Basic Tool Set
3001000102



Adjuster Change
3001000112



Ratchet for Return Unit
3001000122



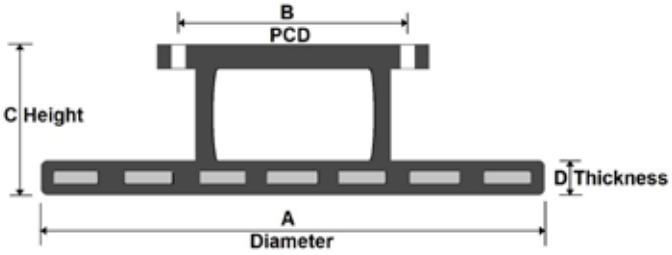
Extension Tool Set
3001000132



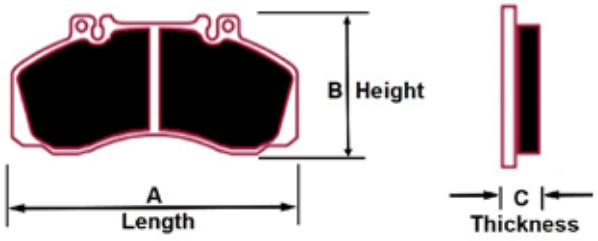
NOTES

BRAKE ROTORS & PADS

TRANSPEC



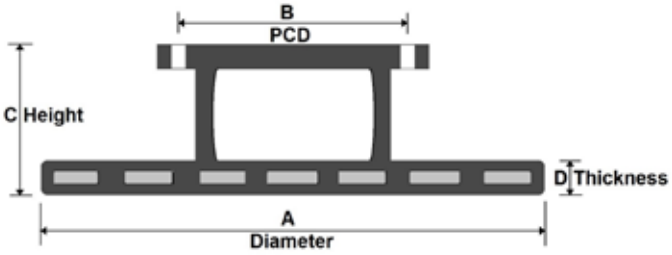
ROTOR & AXLE MODEL						
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES
0308834070	Eco Hub Disc Brake SH/SKH 9 Tonne	377mm	285mm	165mm	45mm	10
0308834060		377mm	335mm	159.5mm		10
0308834150		374mm	275mm			8
0308835120	Eco Plus 3 Hub Disc Brake 10-12 Tonne	430mm	335mm			10
0308835140		430mm	285mm			10
0308834150		374mm	275mm			8
0308834160		374mm	275mm			8
0308835120	Eco Plus Hub Disc Brake 10-12 Tonne	430mm	335mm			10
0308835140		430mm	285mm			10
0308834150		374mm	275mm			8
0308834160		374mm	275mm			8



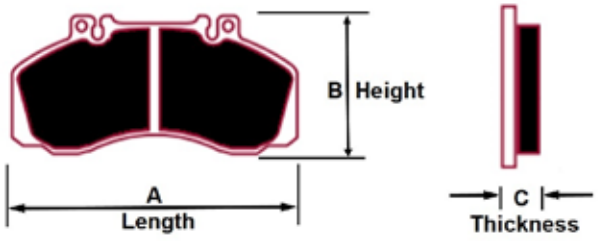
BRAKE PAD & CALIPER TYPE				
PART NO.	CALIPER	A LENGH	B HEIGHT	C THICKNESS
0980108151	SB3745	210.7mm	92.5mm	30mm
0980107960	SB4309T	211mm	108mm	30mm
0980108730				
0980107940	SB3709			
0980108720				
0980108161	SB4309T			

PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



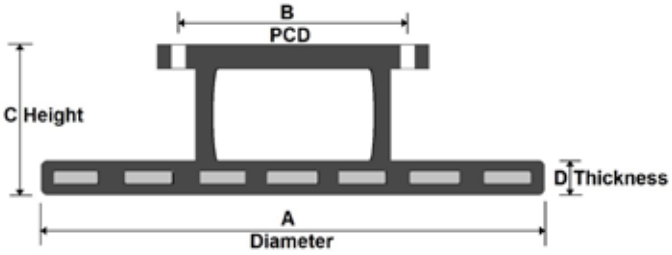
ROTOR & AXLE MODEL						
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES
H32-D002	Rotor FB24 TN Hub 10 x 285 - PAN 22	430mm	250mm	150mm	45mm	10
CM10082074	Rotor Kit KF23 ConMet PreSet & PreSet Plus Hub - PAN 22	430mm	250mm	150mm		10
H32-D002	Rotor KF23 TP Hub 10 x 285 - PAN 22	430mm	250mm	150mm		10
H32-D101	Rotor KF36 10 x 285 & 335 Unitised Hub - PAN 19	377mm	250mm	150mm		10
H32-D102	Rotor KF36 TP Hub 10 x 285- PAN 19	375mm	260mm	157.5mm		10
BC8435	Rotor KF36 5 Spoke Unitised Hub - PAN 19	377mm	280mm	163mm		5
BC8435TP	Rotor KF36 5 Spoke TP Hub- PAN 19	377mm	279.4mm	163mm		5
BC8433	Rotor KF26 & KF36 10 x 285 & 335 - 8 x 275 - TN Hub - PAN 19	375 mm	196 mm	139 mm		8
BC8439	Rotor KF26 8 x 275 Unitised Hub - PAN 19	377 mm	250 mm	150 mm		8



BRAKE PAD & CALIPER TYPE						
PART NO.	CALIPER	OEM PART NO.	A LENGH	B HEIGHT	C THICKNESS	COMMENTS
12999796	PAN 22	12999796	210mm	109mm	31mm	Conmet Rotor Kit in Hardware
12999737	PAN 19	12999737	211mm	92mm	30mm	

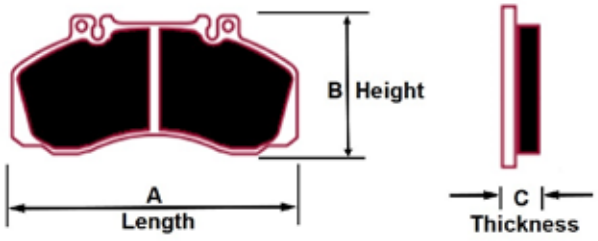
PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



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ROTOR & AXLE MODEL						
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES
98815-032	Rotor Kit Conventional HN Iron Hub 8 x 275 Hub HXL2 & HXL5 Axle	377mm	196mm	140mm	45mm	8
98815-033	Rotor Kit Conventional HN Iron Hub 10 x 285 & 10 x 335 HXL2 & HXL5 Axle	430mm	250mm	150mm		10
98815-018	Rotor Kit HN ConMet Preset Hub 10 x 285 to July 2007	430mm	200mm	52mm		10
98815-019	Rotor Kit HN ConMet Preset Hub 10 x 285 Hub HXL2 & HXL5 Axle July 2007 to 2019	430mm	200mm	52mm		10
98815-031	Rotor Kit HN ConMet Preset Hub 10 x 285 Hub HXL2 & HXL5 Axle from 2019	430mm	200mm	52mm		10
98815-026	Rotor Kit HXL7 HP 10 x 285 & 10 x 335 KIC Rotor	430mm	250mm	150mm		10
98815-027	Rotor Kit HXL7 HP 10 x 285 & 10 x 335 MAXX22T HDT-415mm	415mm	250mm	150mm	43mm	10



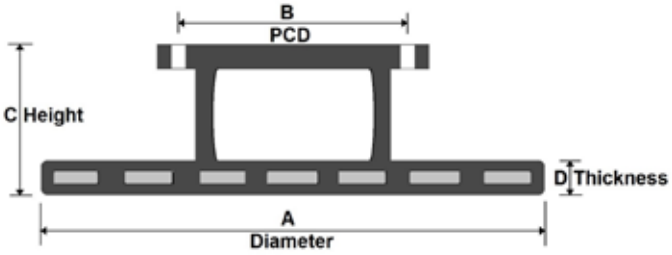
BRAKE PAD & CALIPER TYPE					
PART NO.	CALIPER	A LENGH	B HEIGHT	C THICKNESS	COMMENTS
98881-021	PAN 19	211mm	92mm	30mm	Includes Mounting Hardware
D-32676-1	PAN 22	210mm	109mm	31mm	
D-32676-1	PAN 22	210mm	109mm	31mm	Up to July 2007 will only available as Hub & Rotor (Old rotor stamped 10009970)
98881-005	Knorr SN7	247mm		30mm	
D-32676-1	PAN 22	210mm	109mm	31mm	Up to July 2007 will only available as Hub & Rotor (Old rotor stamped 10009970)
98881-005	Knorr SN7	247mm		30mm	
D-32676-1	PAN 22	210mm	109mm	31mm	From 2019 uses locking cirlcip for ABS ring Rotor stamped 10084701
98881-005	Knorr SN7	247mm		30mm	
D-32676-1	PAN 22	210mm	109mm	31mm	Includes Mounting Hardware
S-35303-1	MAXX22T				

* HXL2 & HXL5 are exactly the same except for the grease (lithium vs. semi-fluid) & most importantly the identifying label on the hubcap

Note: HXL2™ requires NLGI #2 wheel bearing grease
HXL5® requires Mobil Mobilith SHC®007 Synthetic Grease. Do not mix different types of lubricant

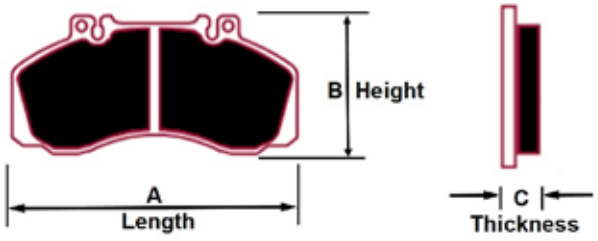
PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



MERITOR
RUN WITH THE BULL

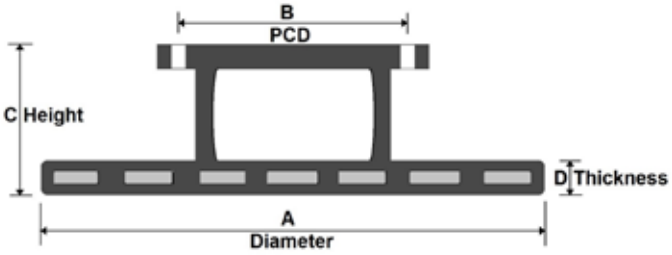
ROTOR & AXLE MODEL							
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES	OEM ROTOR PART NO.
MBR5803	BPW	430mm	285mm	159.5mm	45mm	10	0308835140
MBR5125	SAF	430mm	190mm	48mm		10	4079001301
MBR5805	K Hitch	377mm	196mm	139mm		8	BC8433
MBR5072	SAF	377mm	285mm	159mm		10	4079000400
MBR5804	K Hitch	377mm	285mm	158mm		10	4079001201
MBR5802	Hendrickson	430mm	200mm	45mm		10	98815-018
MBR5074	SAF	430mm	335mm	160mm		10	4079000300
MBR5047	BPW	430mm	335mm	160mm		10	0308835120
MBR5079	Meritor / ROR	378mm	275mm	150mm		8	21224263
MBR5073	Meritor / ROR	378mm	250mm	150mm		10	21227349
MBR5079	Meritor / ROR	378mm	275mm	150mm		8	21224263



BRAKE PAD & CALIPER TYPE					
PART NO.	CALIPER	A LENGTH	B HEIGHT	C THICKNESS	PAD CROSS REFERENCE
MDP3228K	TSB4309	210.3mm	117.8mm	30mm	CVP503
MDP3171K	SK7000/SB4309	210.7mm	108.5mm	30mm	DCVP094 WDP094K
MDP3162K	Wabco PAN 22-1	210.2mm	109.3mm	31mm	12999796 DCVP096K WDP096K
MDP3126K	Wabco PAN 19-1	210.4mm	92.4mm	29.7mm	DCVP090K CVP090PT 12999737 WDP090K 3057008002 1436901
MDP3087K	Knorr SB7000	247.5mm	106mm	30mm	WDP020K DCVP020K
MDP3169K	Meritor Elsa 195	210.5mm	99.7mm	30mm	
MDP3124K	Meritor DX195	205.4mm	102mm	27mm	DCVP024 CVP024PT

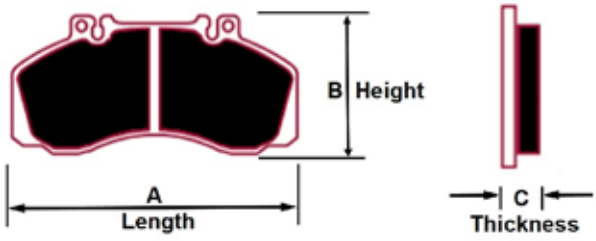
PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



SAF Holland

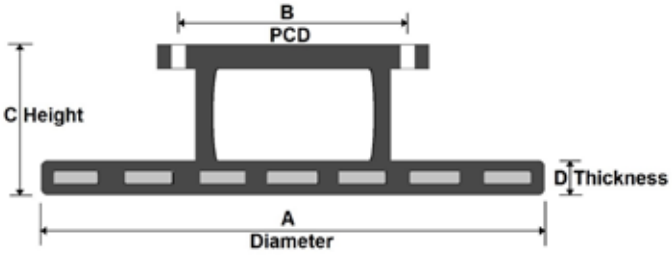
ROTOR & AXLE MODEL						
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES
4079001501	Rotor ZI9-22K01 Axle - Integral Rotor Knorr Bremse SK7	430mm	193mm	135mm	45mm	10
3079001601	Rotor ZI9-19W Axle - Integral Rotor Wabco PAN 19.1	377mm	193mm	145mm	50mm	10
	Rotor ZIL9-19W - Steer Axle Overslung & Underslung Wabco PAN 19.1					



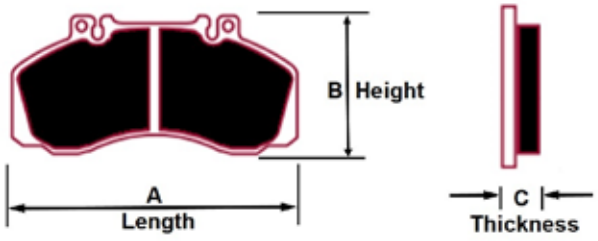
BRAKE PAD & CALIPER TYPE				
PART NO.	CALIPER	A LENGTH	B HEIGHT	C THICKNESS
3057008500	SK 7	247mm	109mm	30mm
3057008000	PAN 19	211mm	93mm	30mm

PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



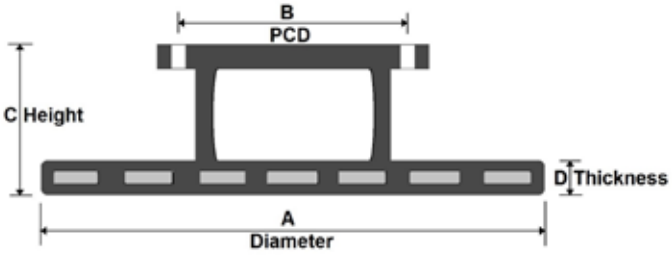
ROTOR & AXLE MODEL							
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES	OEM ROTOR PART NO.
TRPDR004	Eco Hub Disc Brake - SH/SKH 9 Tonne	377mm	285mm	165mm	45mm	10	0308834070
TRPDR001	Eco Plus & Eco 3 Hub Disc Brake 10-12 Tonne	430mm	285mm	159.5mm		10	0308835140
TRPDR003	K Hitch KF26 & KF36 10 x 285 / 335 8 x 275 TN Hubs	377mm	196mm	139mm		8	BC8433
	York 2980 Axle						79787412
TRPDR005	SAF ZI9-19W Axle - Integral Rotor Wabco PAN 19.1	377mm	285mm	145mm		10	3079001601
TRPDR007	SAF RZ 9019W Intradisc Wabco PAN 19-1 Brakes	377mm	285mm	158mm		10	4079001201S
	SAF SK RZ 9019K SK Knorr Bremse SB6 Brakes						



BRAKE PAD & CALIPER TYPE					
PART NO.	CALIPER	A LENGTH	B HEIGHT	C THICKNESS	PAD CROSS REFERENCE
1961734	Knorr SN / SB6	210.7mm	92.5mm	30mm	0980108150 CVP092PT WDP092K
1961736	Knorr SK7000/SB4309	210.7mm	108.5mm	30mm	2930801 CVP094 DCVP094 WDP094K
0908138	Wabco Pan 19-1	210.4mm	92.4mm	29.7mm	DCVP090K CVP090PT 12999737 WDP090K
1961734	Knorr SB6	210.7mm	92.5mm	30.0mm	0980108150 CVP092PT WDP092K

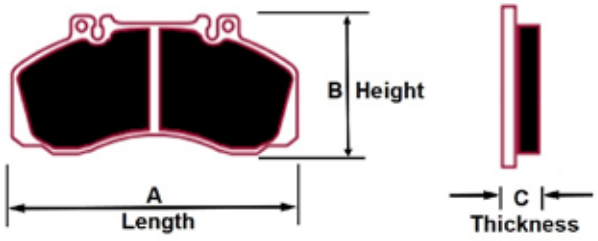
PCD - PITCH CIRCLE DIAMETER

BRAKE ROTORS & PADS



YORK

ROTOR & AXLE MODEL						
PART NO.	AXLE MODEL	A DIAMETER	B PCD	C HEIGHT	D THICKNESS	STUD HOLES
7910018609	Rotor Kit 2970 Axle Preset Hub PAN 22	430mm	200mm	52mm	45mm	10
79789121	Rotor 2570 Axle MFL & 2970 Steel Hub PAN 22	430mm	250mm	150mm		10
79787412	Rotor 2980 Axle PAN 19	377mm	196mm	139mm		8



BRAKE PAD & CALIPER TYPE				
PART NO.	CALIPER	A LENGTH	B HEIGHT	C THICKNESS
79787420	PAN 22	210mm	109mm	31mm
79787420	PAN 22	210mm	109mm	31mm
79787364	PAN 19	211mm	92mm	30mm

PCD - PITCH CIRCLE DIAMETER

NOTES

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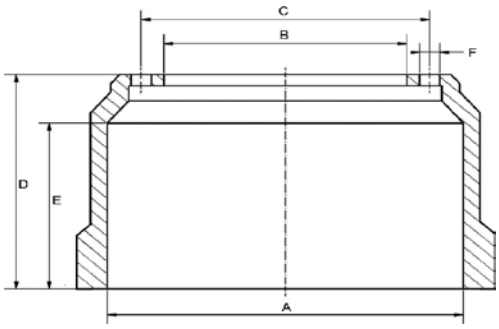
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Phone: 0011 64 (6) 262 0009



BRAKE DRUM



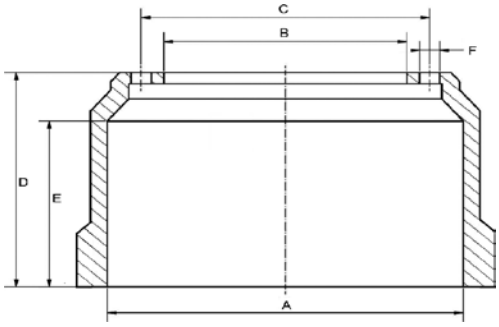
A = DRUM DIAMETER
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F = STUD / BOLT HOLE DIAMETER

TRP BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA	REPLACES
DB008TRP	Steer Axle	15″ x 4″	9-¼″	11-¼″	5-⅞″	6 x 0.78″ (20mm)	DF101 M906306 AP0880
DB016TRP	Steer Axle	16-½″ x 5″	223mm	285mm	230mm	10x25mm	DF136 M906092 AP0844
DB003TRP	Steer Axle MFS	16-½″ x 6″	223mm	285mm	250mm	10x25mm	DF244 M906371 AP0848
DB018TRP	Steer Axle Iveco/Euro	16-½″ x 6″	285mm	335mm	248mm	10x25mm	DF177 BD37055.370
DB005TRP	Drive Axle	16-½″ x 7″	11-¼″	12-¾″	8-½″	5 or 6 x 0.78″ (20mm)	DT189 M906343 AP0856
DB011TRP	Drive & Trailer Axle	16-½″ x 7″	285mm	335mm	267mm	10x25mm	DR192 M906631 AP0975
DB014TRP	GP Trailer & Drive	16-½″ x 7″	9-7/16″	11″	8-3/16″	5+6 x 0.78″ (20mm)	DM185 M906033 AP0855K
DB015TRP	Drive & Trailer Axle	16-½″ x 7″	223mm	285mm	269mm	10x25mm	DR190 M906619 AP0875
DB017TRP	Drive Steel Jacket Drum	16-½″ x 7″	223mm	285mm	264mm	10x25mm	53-123537-002 MW89996B AP0888
DB001TRP	BPW	420x180mm	240mm	285mm	253mm	10x23mm	0310967870 04683200A AP0893

DIA - DIAMETER

BRAKE DRUM



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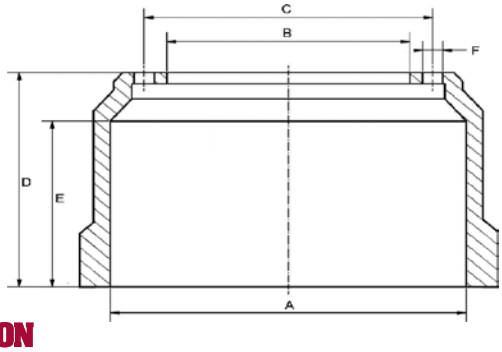
TRANSPEC

BPW BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA	COMMENTS
0310990220	Eco Hub KH/KR 3620 Axle 19.5	360x200 mm	230mm	275mm	263mm	8x23mm	
0310990240	Eco Hub KH/KR 3620 Axle 19.5	360x200 mm	190mm	225mm	263mm	10x23mm	
0310990030	Eco Hub KH/KR 3620 Axle 19.5	360x200 mm	230mm	275mm	260mm	8x23mm	
0310967810	Eco Plus Hub-H/R, KH / 9 & 10-12 Tonne	420x180mm	290mm	335mm	253mm	6x21mm	
0310967170	9000 Lightweight Axle	420x180mm	290mm	335mm	226mm	6x21mm	
0310667080 (NLA)	Old Generation Spider Hub 20"	420x180mm	290mm	335mm	246mm	6x21mm	Genuine BPW NLA
0310967810	New Generation Spider Hub H91, H10, R10	420x180mm	290mm	335mm	253mm	6x21mm	M906079
0310667620	BPW Eco Hub 9 Tonne 9010 HZA-ZM & HAS-SM Axle	420x180mm	290mm	335mm	229mm	10x23mm	
0310666100 (NLA)	BPW Eco Hub 9 Tonne 9010 HZA-ZM & HAS-SM Axle	420x180mm	240mm	285mm	226mm	10x23mm	Genuine BPW NLA
0310967130	Eco Plus 3 Hub-H/R, KH / 10-12 Tonne	420x180mm	290mm	335mm	226mm	10x23mm	
0310967740	BPW Eco Hub 10 Tonne 9110 HZA-ZM & HAS-SM Axle	420x180mm	290mm	335mm	253mm	10x23mm	
0310967780	Eco Plus 3 Hub-H/R, KH / 10-12 Tonne	420x180mm	290mm	335mm	249mm	10x23mm	
0310967080	BPW Eco Hub 10 Tonne 9110 HZA-ZM & HAS-SM Axle	420x180mm	240mm	285mm	253mm	10x23mm	
0310967870	Eco Plus 3 Hub-H/R, KH / 10-12 Tonne	420x180mm	240mm	285mm	253mm	10x23mm	DB001TRP PE Drum 04683200A
0310677620	MZM20010 20 Tonne Axle	420x200mm	290mm	335mm	307mm	10x23mm	Inboard Mount
0310977460	HZM14010 14 Tonne Eco Axle	420x200mm	290mm	335mm	297mm	10x23mm	Inboard Mount Ribbed Drum
0310977470	HZD/HZM18010 18 Tonne Eco Axle	420x200mm	290mm	335mm	287mm	10x23mm	Inboard Mount Ribbed Drum

DIA - DIAMETER | NLA - NO LONGER AVAILABLE

BRAKE DRUM



A = DRUM DIAMETER
B = SPIGOT
C = BOLT PCD
D = DRUM WEIGHT
E = BRAKE WIDTH
F = STUD / BOLT HOLE DIAMETER

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HENDRICKSON BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA	COMMENTS
S-27826	15" x 8-⅝" – 8 Stud 275 PCD (Centrifuse)	15" x 8-⅝"	229mm	275mm	295mm	8x25mm	
C-31699	16.5" x 7" – 10 Stud 335 PCD (Cast)	16.5" x 7"	285mm	335mm	273mm	10x25mm	
MW89996B	16.5" x 7" – 10 Stud 285 PCD (Centrifuse)	16.5" x 7"	223mm	285mm	264mm	10x25mm	
98815-028	16.5" x 7" – 5 Spoke	16.5" x 7"	240mm	280mm	210mm	6x20mm	NLA Use 98792-013 Hub & Drum
D-30114	16.5" x 7" – 10 Stud 285 PCD (Cast)	16.5" x 7"	223mm	285mm	269mm	10x25mm	
98815-012	16.5" x 8-⅝" – 10 Stud 335 PCD (Cast)	16.5" x 8-⅝"	285mm	335mm	291mm	10x25mm	C-30652
600026	16.5" x 8-⅝" – 10 Stud 285 PCD (Centrifuse)	16.5" x 8-⅝"	223mm	285mm	273mm	10x25mm	
98815-025	16.5" x 8-⅝" – 10 Stud 285 PCD (Cast)	16.5" x 8-⅝"	223mm	285mm	289mm	10x25mm	

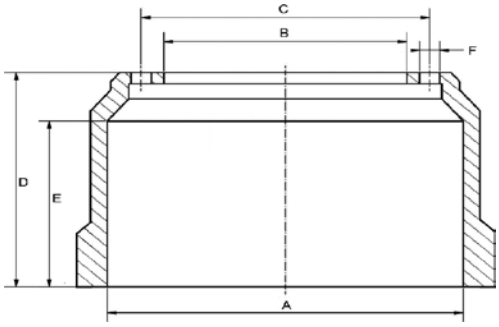
Fuwa
K HITCH

FUWA K HITCH BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA
KH52743-11	KK44 Spider Hub (Low Loader)	12-¼" x 7-½"	8-½"	10"	9-5/32"	9 x 0.66" (17mm)
H32-9401	KK44 10 Stud Hub (Low Loader)	12-¼" x 7-½"	183mm	225mm	290mm	10x25mm
KH3602-0101	KF 21-22-29-61, 10 Stud Hub	16-½' x 7"	286mm	335mm	278mm	10x25mm
KH3602-0303	KF 12-21-22-29-61, 10 Stud Hub	16-½' x 7"	223mm	285mm	278mm	10x25mm
KH3602/GF	KF21-22-29-61 Spider Hub - TN	16-½" x 7"	9-7/16"	11"	8-7/16"	5 x ¾" (19mm)
KH3602/FF	KF21-22-29-61 Spider Hub - TP	16-½" x 7"	9-½"	11-¼"	9"	5 x ¾" (19mm)
H32-9901	KF37 8 Stud Hub (19.5") - TN	381x220mm	229mm	275mm	295mm	8x25mm
KH3602-2104	KF75 10 Stud Hub 150 HD Axle	420x220mm	282mm	335mm	289mm	10x24mm

DIA - DIAMETER | NLA - NO LONGER AVAILABLE

BRAKE DRUM



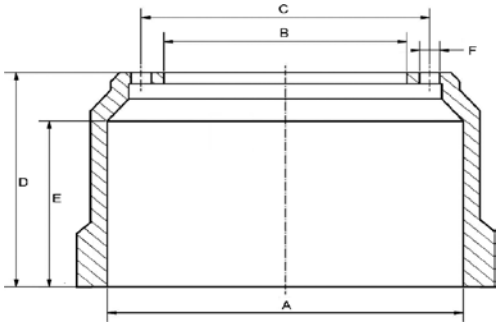
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YORK

YORK BRAKE DRUM						
		A & E	B	C	D	F
PART NO.	APPLICATION	BRAKE SIZE	SPIGOT	BOLT PCD	DRUM HEIGHT	HOLES/ DIA
79SB792164100	2783/10 Low Loader Drum Axles 100mm Studs	311x178mm	178mm	225mm	220.5mm	10x25mm
79SB792164117	2783/10 Low Loader Drum Axles 117mm Studs	311x178mm	178mm	225mm	220.5mm	10x25mm
79787598	2783 Low Loader Drum Axles	311x178mm	178mm	222mm	220.5mm	6x24mm
79792317	2783 Low Loader Spider Hub	311x178mm	178mm	TBA	220.5mm	6x24mm
79786856	2950 Drum Spider Axles	335x210mm	216mm	254mm	270mm	9x16.5mm
79787704	2950/7 & 8p 8x275mm Outboard Mount	335x210mm	229mm	275mm	298mm	8x25mm
79789234	2950/5 8x285mm Japanese Hub	335x210mm	228mm	285mm	278mm	8x24.5mm
79792162	2950 8x225mm Inboard Mount	335x210mm	178mm	225mm	270mm	8x25mm
79SB792163100	2950 Drum Axles 100mm Studs	335x210mm	178mm	225mm	270mm	10x25mm
79SB792163117	2950 Drum Axles 117mm Studs	335x210mm	178mm	225mm	270mm	10x25mm
79790204	Brake Drum 2782 / 2784 / RB / 2785 Japanese 8 Stud Hub	420x180mm	222mm	285mm	255mm	8x24mm
79788801	Brake Drum - 10 x 335PCD (M22 Studs)	420x220mm	281mm	335mm	276mm	10x25mm
79790354	Brake Drum - 10 x 335PCD (M24 Studs)	420x220mm	281mm	335mm	276mm	10x26mm
79786875	2682 / RB / 2685 Outback Cast Drum	16-½" x 7"	223mm	285mm	270mm	10x25mm
79787571	2782 / 2784 / RB / 2785 Stud Type Drum Axles	16-½" x 7"	281mm	335mm	273mm	10x25mm
79787580	2782 / 2784 RB Spider Drum Axles	16-½" x 7"	9-7/16"	11"	8-¼"	5 x ¾" (19mm)
79792328	2782 / 2784 / RB / 2785 Centrifuse Drum	16-½" x 7"	223mm	285mm	264mm	10x25mm

DIA - DIAMETER

BRAKE DRUM



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B = SPIGOT
C = BOLT PCD
D = DRUM WEIGHT
E = BRAKE WIDTH
F = STUD / BOLT HOLE DIAMETER

SAF HOLLAND BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA
1064027700S	SK RZ9037-3720 - (Brake SNK 367 x 200) Axle - Dual Wheels	367x200mm	234mm	275mm	260mm	8 x 23mm
1064026002	SK RZ9042 -4218 NG Axle (used on Intradrum) - Dual Wheels	420x180mm	300mm	335mm	227mm	10 x 23mm
1064029800	SK RZ9042 -4218 NG Axle (used on Intradrum) - Dual Wheels	420x180mm	250mm	285mm	227mm	10 x 23mm
1064030500S	J SAF RZ10242 /12242	420x180mm	250mm	285mm	262mm	10 x 23mm
1064030600	J SAF RZT10242 /12242 5 Spoke Hub	420x180mm	239.7mm	279.4mm	213mm	5 x 19.6mm
1064030400S	J SAF RZ10242 /12242	420x180mm	300mm	335mm	262mm	10 x 23mm
1064027000	SK RZ9042-4220 NG Axle (used on Intradrum) - Dual Wheels	420x200mm	300mm	335mm	256mm	10 x 23mm

EARLY TRAILER AXLE BRAKE DRUM

PART NO.	APPLICATION	A & E BRAKE SIZE	B SPIGOT	C BOLT PCD	D DRUM HEIGHT	F HOLES/ DIA	REPLACES
M906107	Brake Drum Low Loader Axle	12-¼" x 7-½"	8-½"	10"	9-5/32"	9 x 0.65" (17mm)	KH52743-11 AP0859 BD21055.108
NLA	Brake Drum Low Loader Axle	12-¼" x 7-½"	7"	8-¼"	9-5/32"	6 x 0.65" (17mm)	AP0885
DB014TRP	Brake Drum Most GP Axle	16-½" x 7"	9-7/16"	11"	8-3/16"	5+6 x 0.78" (20mm)	DM185 M906033 AP0855K
M906054	MKV Axle	16-½" x 7"	13-½"	14-¾"	8-⅞"	10 x 0.52" (14mm)	AP0852
M906105	McGrath Axles	16-½" x 7"	9"	11-½"	8-11/16"	5 x 0.52" (14mm) + 6 x 0.65" (17mm)	AP0854

DIA - DIAMETER

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GLADHANDS



11452



11451

GLADHAND COUPLINGS					
PART NO.	**BRAND**	**FUNCTION**	**COLOUR**	**PORT SIZE**	**FILTER**
DA5401	ABC	Service	Blue	½" NPT	Yes
DA5402	ABC	Emergency	Red		
11452	Haldex	Service	Blue		
11451	Haldex	Emergency	Red		
278850	Knorr-Bremse	Service	Blue		
278851	Knorr-Bremse	Emergency	Red		



11402



11403

GLADHAND ACCESSORIES & PARTS			
PART NO.	**BRAND**	**DESCRIPTION**	**ADDITIONAL INFORMATION**
248579	ABC	Gladhand Seal	
10028	Haldex	Gladhand Seal	
GAFF17534	Stemco GAFF	Gladhand Seal Set	Set of 2 Polyurethane
TRP-ACH01	TRP	Gladhand Grip Handles	
11402	Midland	Dead End Coupling	With Chain
11403	Midland	Dead End Coupling	
K145-91	Dynacraft	Dual Gladhand Holder	
220636	Bendix (Knorr Bremse)	Dummy Coupling with Chain	
212227	Bendix (Knorr Bremse)	Dummy Coupling	

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5011TEMA
- ½" T-SRS Coupling Body Pressure Eliminator



7510TEMA
- ¾" T-SRS Coupling Body



7511TEMA
- ¾" T-SRS Coupling Body Pressure Eliminator



7526TEMA
- ¾" T-SRS Dust Cap Coupling



10020TEMA
- 1" TEMA Plug Standard



10010TEMA
- 1" TEMA Coupling



10021TEMA
- 1" T-SRS Coupling Pressure Eliminator



10011-QC
- 1" BSPP TEMA Coupling





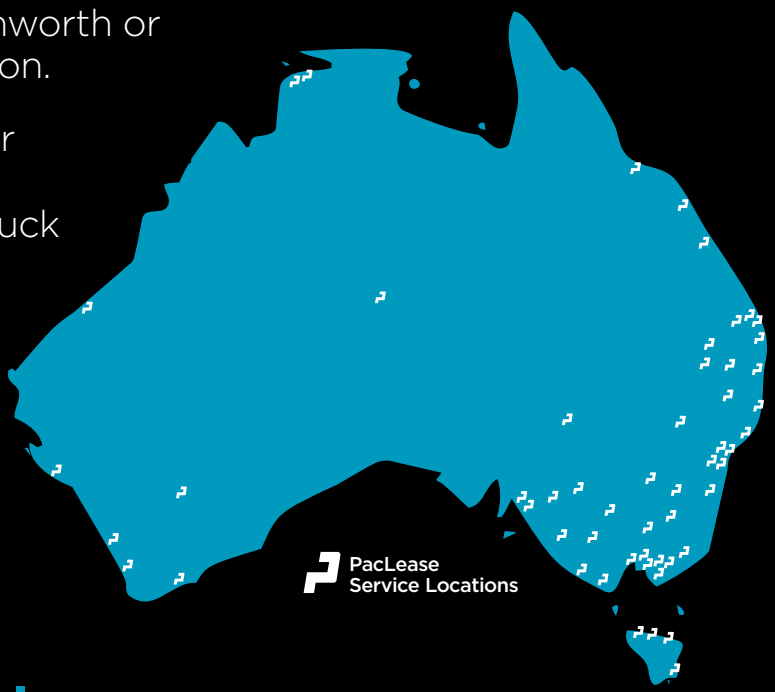
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DAF

AIR COUPLINGS
DUO-MATIC & TRI-MATIC COUPLINGS

PART NO.	DESCRIPTION	TYPE	APP.	PORT SIZE	REPLACES
T02-8000 	Duo-Matic Female Coupling Imperial Fittings	Drawbar	Truck	1: ¼" - 18NPSF 4: M22 x 1.5	4528020000
T02-8001 	Duo-Matic Male Coupling Imperial Fittings	Drawbar	Trailer	1 & 4: G ⅜"	4528040010
T02-8003 	Tri-Matic Female Coupling Imperial Fittings	Drawbar	Truck	¼" NPT	4528060000
T02-8004 	Tri-Matic Male Coupling Imperial Fittings	Drawbar	Trailer	¼" NPT	4528080020
T02-8002 KIT	Service Kit for T02-8000				4528020032 452-802-000-0

APP - APPLICATION

ELECTRICAL PLUGS & SOCKETS

ELECTRICAL PLUGS & SOCKETS			
PART NO.	**DESCRIPTION**	**NOTES**	**WIRING STANDARD**
4934NY 	7 Pole SAE Plug - Nylon	Heavy duty 7 pole plug manufactured in accordance with AS 4735-2003 (ISO1185 & SAE J560B) standards. The ultra-durable nylon housing is lightweight and resistant to degreasers, solvents and contact cleaners. Other features include high-conductivity 100% brass pins, exclusive cable guard and 360 degree compression clamp creating a rear moisture seal, whilst also preventing accidental cable pull out.	ISO 1185 SAE J560 AS 4735
4935NY 	7 Pole SAE Socket - Nylon	Heavy duty 7 pole socket made from composite glass-filled nylon and manufactured in accordance with AS 4735-2003 (ISO1185 & SAE J560B) standards. The ultra-durable nylon housing is lightweight and resistant to petrochemicals, solvents and contact cleaners. Raised internal ribs allow for drainage of moisture to prevent corrosion and short circuits. Other features include full opening lid and extended front barrel housing for additional support and protection. Supplied complete with protective rubber boot, part no. 4936.	ISO 1185 SAE J560 AS 4735
8JA227440121 	7P Trailer Adaptor 13P to 7P	Mini short adaptor from vehicle 13P/12V to trailer 7P/12V	N/A*
8JB227440011 	7P/12V ABS/EBS Socket with Screw Contacts	With cover, and rubber seals. Made of reinforced composite. High strength cable gland of the cable outlet.	ISO 7638-2
8JA227440031 	7P/12V ABS/EBS Socket with Screw Contacts	With rubber seals. Made of reinforced composite. Mechanical strain relief. Safe latching in place.	ISO 7638-2

N/A — NOT APPLICABLE

ELECTRICAL PLUGS & SOCKETS

ELECTRICAL PLUGS & SOCKETS			
PART NO.	**DESCRIPTION**	**NOTES**	**WIRING STANDARD**
8JB227440021 	7P/24V ABS/EBS Socket with Screw Contacts	With cover, and rubber seals. Made of reinforced composite. High strength cable gland at the cable outlet. Colour coding for easy installation.	ISO 7638-1
8JA227440041 	7P/24V ABS/EBS Plug with Screw Contacts	With rubber seals made of reinforced composite mechanical strain relief safe latching in place colour coding for easy installation	ISO 7638-1
8JA227440091 	7P/Multivolt ABS/EBS Plug	Made of reinforced composite, with cover and rubber seals. High strength cable gland at the cable outlet.	N/A*
8HG227440001 	Park Socket	Used when plug is not connected to actual socket to prevent the exposure to the environment.	N/A*

N/A — NOT APPLICABLE

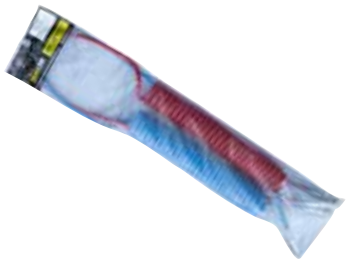
SUZI COILS — ELECTRICAL

PART NO.	DESCRIPTION	NOTES	WIRING STANDARD	MAX WORKING LENGTH
8KA227440131 	Straight Cable with 7P ISO 1724 / AS 2513 Plugs	Ideal for dog trailers.	ISO 1724 AS 2513	3.0m
8KA905392041 	Suzi Coil with Heavy Duty 7P SAE J560 Plugs	These 7 pin spiral cable-plug assemblies are designed to provide a superior electrical connection between the prime mover and trailer. The uni-molded connector bodies are extremely robust providing best in class performance and are completely unique to the market.	SAE J560	4.0m
8KA227440051 	Suzi Coil with 7P/12V ABS/EBS Plug	Max 4.5m cable length with plug at both ends. Outer cable dia: 50mm. Bending protection grommet.	ISO7638-2	4.5m
8KA227440061 	Suzi Coil with 7P/24V ABS/EBS Plug	Max 4.5m cable length with plug at both ends. Outer cable dia: 50mm. Bending protection grommet.	ISO 7638-1	4.5m
8KA227440081 	Suzi Coil with 7P/Multivolt ABS/EBS Plug	Temperature range: -40°c to 100°c. Outer coil diameter: 50mm.	N/A*	4.5m

SUZI COILS — ELECTRICAL

PART NO.	DESCRIPTION	NOTES	WIRING STANDARD	MAX WORKING LENGTH
8KA227440101 	Suzi Coil with 7P ISO 1724 Plugs	Cable outlet: PG gland. Outer coil diameter: 50mm.	ISO 1724	4.6m
8KA227440141 	Suzi Coil with 7P ISO 1724 & SAE J560	Outer coil diameter: 50mm. Maximum working length 4.6m.	ISO 1724 SAE J560	4.6m
8KA227440181 	Suzi Coil with 7P/Multivolt ABS/EBS Plug Long Tail	Temperature range: -40°c to 100°c. Outer coil diameter: 50mm.	N/A*	5.2m
8KA227440111 	Suzi Coil with 7P ISO 1724 Plugs	Cable outlet: PG gland. Outer coil diameter: 50mm.	ISO 1724	5.6m
8KA227440151 	Suzi Coil with 7P AS 2513 to SAE J560	Outer coil diameter: 50mm. Maximum working length 5.6m.	SAE J560	5.6m

SUZI COILS — AIR

PART NO.	DESCRIPTION
200-103 	Suzi Coil Air 3 m Short Tail
200-203 	Air Coil Pair Long Tail (4.6 m)
SC3MTLTSET 	Suzi Coil 3 m Long Tail
SC3MTSTSET 	Suzi Coil 3 m Short Tail

PART NO.	DESCRIPTION
SC5MTLTSET 	Suzi Coil 5 m Long Tail
SC5MTSTSET 	Suzi Coil 5 m Short Tail
TRP-A1R-3MLT 	Long Tail Coil 3 m
TRP-A1R-3MST 	Short Tail Coil 3 m

POGO STICKS

PART NO.	DESCRIPTION
11502 	Hosetenna
27200 	Hosetenna
MD1185 	Hosetenna – Chrome

SUZI COIL BARS, SPRINGS & CLAMPS

PART NO.	DESCRIPTION
K305-152 	Bar Trailer/Rear Cab
070R 	Ring-Spring, Trailer Air Hose
900-104 	4-Hole Cable Clamp

NOTES

AIR LINE REPAIR

AIR LINE REPAIR KITS		
PART NO.	**DESCRIPTION**	**CONTENTS**
T13-ALR1 	Air Line Emergency Repair Kit	▌1 x 4 mm Straight HPB4 ▌2 x 1/8" Straight 2-2-HBPB ▌1 x 3/8" Straight 62PMT-6 ▌1 x 1/2" Straight 62PMT-8 ▌1 x 3/8" 90° 165PMT-6 ▌2 x 3/8" Plug 639PMT-6 ▌1 x 1/2" Plug 639PMT-8 ▌1 x Tube Cutter PTC-001
H33808.RP 	½" Repair Kit	▌Fittings and Hose for Repairing ½" Air Line
D0T-K1T-METR1C 	Metric DOT Fittings	▌2 x 6 mm Union HPMTB6 ▌2 x 8 mm Union HPMTB8 ▌2 x 10 mm Union HPMTB10 ▌2 x 12 mm Union HPMTB12 ▌1 x Tube Cutter PTC- 001
D0T-K1T-1MPER1AL 	Imperial DOT Fittings	▌2 x ¼" Union 62PMT-4 ▌2 x 3/8" Union 62PMT-6 ▌2 x ½" Union 62PMT-8 ▌2 x 5/8" mm Union 62PMT-10 ▌1 x Tube Cutter PTC- 001

AIR LINE REPAIR

BULK AIR LINE		
PART NO.	**DESCRIPTION**	**CONTENTS**
271-6/10RL 	**Parker Hannifin** ▌10 mm (3/8") ID ▌19 mm (¾") OD ▌1.6 MPa (225PSI) Working Pressure ▌SAE J1402 A DOT ▌Synthetic Rubber Inner & Cover ▌Multi-fiber Braid Reinforcement ▌Temp. Range -46 C to 100 C ▌Use for Air Brake Hose Lines	10 m Roll
271-6/75RL 	**Parker Hannifin** ▌10 mm (3/8") ID ▌19 mm (¾") OD ▌1.6 MPa (225PSI) Working Pressure ▌SAE J1402 A DOT ▌Synthetic Rubber Inner & Cover ▌Multi-fiber Braid Reinforcement ▌Temp. Range -46 C to 100 C ▌Use for Air Brake Hose Lines	75 m Roll
ABH8R-15 	**Air Brake Corporation** ▌½" ID ▌1.6 MPa (225PSI) Working Pressure ▌SAE J1402 A DOT ▌EPDM Inner & Cover ▌Multi-fiber Braid Reinforcement ▌Temp. Range -40 C to 93 C ▌Use for Air Brake Hose Lines	15 m Roll

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FS 604859

AIR TANKS

PART NO.	DESCRIPTION	DIMENSIONS	PORTS
ABR599 	Air Tank 24L Aluminium	9.5″ x 24″	5 Ports 3 x ¾″ NPTF 2 x ½″ NPTF
TRPAT01 	Air Tank 24L (CA2518B Equivalent)	9.5″ x 24″	6 Ports 3 x ¾″ NPTF 2 x ½″ NPTF 1 x ¼″ NPTF
TRPAT02 	Air Tank 48L	13″ x 24″	6 Ports 3 x ¾″ NPTF 2 x ½″ NPTF 1 x ¼″ NPTF
ABR514 	Air Tank 49.3L	13″ x 24″	6 Ports 3 x ¾″ NPTF 2 x ½″ NPTF 1 x ¼″ NPTF
ABR925 	Air Tank 74L Aluminium	13″ x 46″	7 Ports 4 x ¾″ NPTF 2 x ½″ NPTF 1 x ¼″ NPTF

NOTES

NOTES

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- Tom Allen, Owner Driver, TGR.

AIR VALVES
CHECK VALVE

CHECK VALVE

TRP5003980

Valve Type	SC3
Ports	3
Inlet	½" Female
Outlet	½" Male
Cross Reference	800372



TRP5003987

Valve Type	SC3
Ports	2
Inlet	⅜" Female
Outlet	13⁄8" Male
Cross Reference	5003987



TRP5003980

Valve Type	SC3
Ports	2
Inlet	¼" Female
Outlet	¼" Male
Cross Reference	800375



TRP280809

Valve Type	DC4
Ports	4
Supply	⅜"
Delivery	⅜"
Exhaust	⅜"
Cross Reference	280809 280809N



AIR VALVES
DASH CONTROL VALVE

DASH CONTROL VALVE

KN20033

Ports	2
Inlet	¼"
Outlet	¼"



Push/Pull

KN20031

Ports	4
Supply	¼"
Delivery	¼"
Exhaust	¼"



Push/Pull Panel Mount Valve

TRP228729

Valve Type	TW1
Ports	3
Supply	⅛"
Delivery	⅛"
Cross Reference	229635 229635N



Zinc Chrome Lever

TRP281946

Valve Type	PP5
Ports	4
Supply	⅛"
Delivery	⅛"
PSI	40
Cross Reference	281946 281946N



Crack Pressure 4 PSI

TRP287280

Valve Type	PP7
Ports	4
Supply	⅛"
Delivery	¼"
Cross Reference	287280 287280N



Service Kit Part No. 287367

AIR VALVES
DASH CONTROL VALVE

DASH CONTROL VALVE

TRP275176

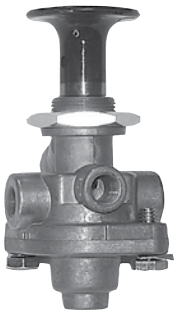
Valve Type	PP1
Ports	4
Supply	⅛"
Delivery	⅛"
Exhaust	⅛"
PSI	40
Cross Reference	245176



Service Kit Part No. 281126

TRP275796

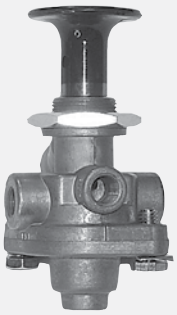
Valve Type	PP1
Ports	5
Supply	¾"
Delivery	½"
Control	⅛"
PSI	40
Cross Reference	103010



Service Kit Part No. 281126

TRP284726

Valve Type	PP1
Ports	4
Supply	⅛"
Delivery	⅛"
Exhaust	⅛"
PSI	40
Cross Reference	284726 284726N



Service Kit Part No. 281126

99600BL

Valve Type	PP1
Ports	3
Inlet	¼"
Outlet	¼"
Exhaust	¼"



AIR VALVES
TRAILER CONTROL VALVE

TRAILER CONTROL VALVE

973.002.051.0 WABCO		K112644 Bendix		TRP275107 TRP	
Ports	5	Valve Type	TC7	Valve Type	TC2
Supply	M22X1.5	Ports (Push to Connect Fittings)	3	Supply	¼"
Delivery	M22X1.5			Delivery	¼"
Service	M22X1.5	Cross Reference	K112644 060-K112644 5002409 K112599 K112644BXW 109389 410013	Exhaust	¼"
Control	M22X1.5			Cross Reference	275107 275107N
					
0.2 Bar Performance		**POP Pressure 7–17 PSI**			

AIR VALVES
PRESSURE PROTECTION VALVE

PRESSURE PROTECTION VALVE

TRP277147

Valve Type	PR2
Ports	2
Supply	¼"
Delivery	¼"
Cross Reference	277147 277147N



65 PSI

TRP286460

Valve Type	PR3
Ports	2
Supply	¼"
Delivery	¼"
Cross Reference	286460 286460N



60 PSI

TRPN15759BA

Valve Type	Midland
Ports	2
Supply	¼"
Delivery	¼"
Cross Reference	ABCN15759BA



70 PSI Open, 60 PSI Closed

ABC286500

Valve Type	PR4
Ports	2
Supply	¼"
Delivery	¼"
Cross Reference	286500 286903 287827



85 PSI Non Adjustable PR4

AIR VALVES
QUICK RELEASE VALVE

QUICK RELEASE VALVE

KN32005	Haldex
Valve Type	QR1
Ports	3
Supply	⅜"
Delivery	⅜"
Exhaust	⅜"



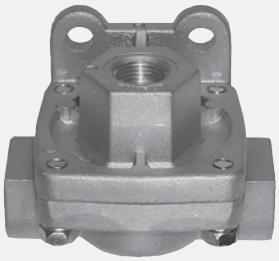
Crack Pressure 1 PSI

KN32011	Haldex
Valve Type	QR1
Ports	3
Supply	½"
Delivery	⅜"



Crack Pressure 1 PSI

TRP288251	TRP
Valve Type	QR1
Ports	3
Supply	⅜"
Delivery	⅜"
Exhuast	⅜"
Cross Reference	27499

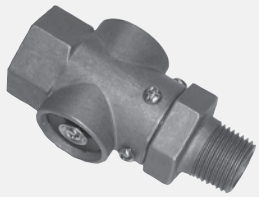


AIR VALVES
QUICK RELEASE VALVE

QUICK RELEASE VALVE

TRP5003395

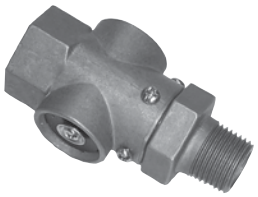
Valve Type	QRL
Ports	2
Supply	½"
Delivery	½"
Cross Reference	800333 800333N



Direct Mount

TRP5003393

Valve Type	QRL
Ports	2
Supply	⅜"
Delivery	½"
Cross Reference	800332 800332N



Frame Mount

289714

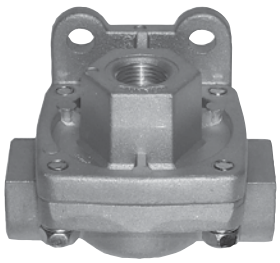
Valve Type	PP8
Ports	2
Supply	¼"
Delivery	⅜"
Cross Reference	ABC289714



¼" Balance

973.500.000.0

Ports	4
Supply	M22X1.5
Delivery	M22X1.5
Service	M22X1.5
Control	M22X1.5



AIR VALVES
RELAY VALVE

RELAY VALVE

110360

Ports	3
Reservoir	½"
Delivery	⅜"
Control	⅜"



Crack Pressure 1.5 PSI

KN28060

Ports	3
Supply	½"
Delivery	⅜"
Control	⅜"



Crack Pressure 4.6 PSI

KN28550

Valve Type	RG5
Ports	4
Supply	½" x ⅜"
Delivery	⅜"
Control	¼"



Crack Pressure 6 PSI

ABC288221

Valve Type	R8
Ports	6
Supply	¾" & ¼"
Delivery	½"
Control	¼"
Cross Reference	288221



Chassis Mount, 90° Rotation

ABC286370

Valve Type	R8
Ports	6
Supply	¾" & ¼"
Delivery	½"
Control	¼"
Cross Reference	286370 286371



Chassis Mount

ABC107455

Valve Type	R8P
Ports	5
Supply	⅜"
Delivery	½"
Control	¼"
Cross Reference	107455 287114



AIR VALVES
RELAY VALVE

RELAY VALVE

TRP102277

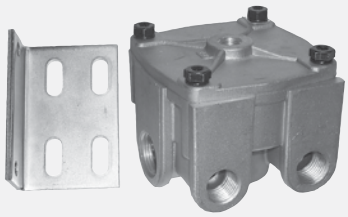
Valve Type	R12
Ports	6
Supply	½"
Delivery	½"
Service	¼"
Cross Reference	102626



Crack Pressure 4 PSI

TRP103009

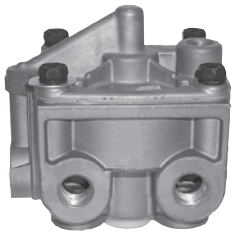
Valve Type	R12H
Ports	5
Supply	¾"
Delivery	½"
Service	¼"
Cross Reference	103009 103009N



Crack Pressure 4 PSI

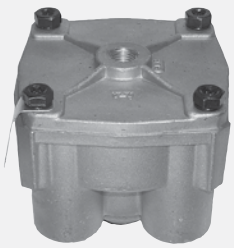
TRP109001

Valve Type	R12P
Ports	7
Supply	½"
Delivery	⅜"
Control	¼"
Cross Reference	109001 109001N



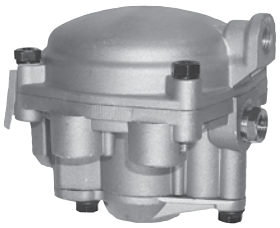
973.011.006.0

Ports	7
Supply	¾"
Delivery	⅜"
Exhaust	¼"
Control	¼"
Cross Reference	9730110060



TRP101197

Valve Type	RE6
Ports	6
Supply	⅜" & ¾"
Delivery	⅜"
Cross Reference	101197

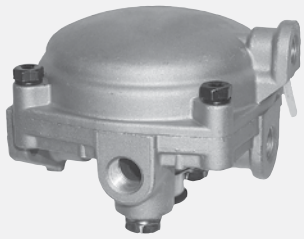


AIR VALVES
RELAY VALVE

RELAY VALVE

TRP279180

Valve Type	6R
Ports	5
Supply	⅜" & ¾"
Cross Reference	279180 279180N



Chassis Mount, 180° Rotation

CA400TRP*

Ports	4
Supply	¼"
Delivery	⅜"
Cross Reference	CA400



Spring Brake Valve (CA400) P.A.R.C - Red

CA700TRP**

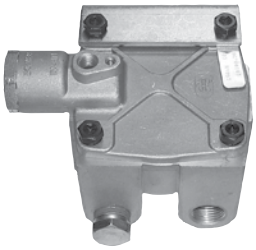
Valve Type	6R
Ports	4
Supply	¼"
Delivery	CA700



Service Relay Valve (CA700) - Blue

TRP103010

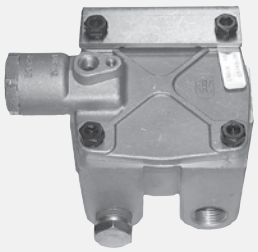
Valve Type	R14H
Ports	5
Supply	¾"
Delivery	½"
Control	¼"
Cross Reference	103010 103010N



Crack Pressure 4 PSI

TRP106165

Valve Type	R14H
Cross Reference	106165



***CA400TRP**
- Controls the flow of air to and from the spring brake chambers
- Ideally suited to multiple types of axle set-ups, from single axles to multi-axle configurations
- Easy to overhaul and replace for maintenance simplicity

**** CA700TRP**
- Provides virtually instantaneous "take-up" to achieve optimum braking times between the prime mover and trailer air systems
- Helps improve the life of your brake linings by providing brake balance between truck and trailer
- Easy to overhaul and replace for maintenance simplicity

AIR VALVES
SAFETY VALVE

SAFETY VALVE

KN31200	Haldex
Valve Type	ST1
Cross Reference	205105



¼" Adjustable 150 PSI

TRP109914	TRP
Valve Type	ST4
Cross Reference	109914



TRP800350	TRP
Valve Type	ST4
Inlet	¼"
Cross Reference	284142



¼" 150 PSI

AIR VALVES
SPRING BRAKE VALVE

SPRING BRAKE VALVE

TRP286364

Valve Type	SR1
Ports	4
Reservoir	¼"
Supply	¼"
Delivery	¼"
Control	¼"
Cross Reference	286364



TRP3802

Valve Type	SR3
Ports	7
Supply	¾"
Delivery	⅜"
Control	¼"
Cross Reference	ABC3802



ADR38/02

TRP106834

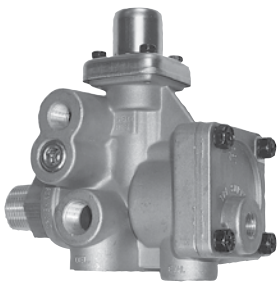
Valve Type	SR3
Ports	7
Delivery	⅜"
Service	¼"
Cross Reference	K033128



Activation 5 PSI

TRP106835

Valve Type	R2
Ports	7
Supply	½"
Delivery	⅜"
Control	¼"
Cross Reference	109001



110701

Ports	6
Reservoir	½"
Supply	⅜"
Delivery	⅜"
Control	⅜"



PPV Pressure: 65 PSI

AIR VALVES
OTHER VALVES

CHARGING VALVE

434.100.125.0 WABCO

Supply	M22X1.5
Delivery	M22X1.5



Charge Pressure 6 Bar / 13 Max

CONTROL VALVE

ABC282382

Valve Type	TC4
Ports	4
Supply	⅛"
Delivery	⅛"
Exhaust	⅛"
Cross Reference	282382 282368



DRAIN VALVE

TRP123

Ports	3
Cross Reference	12104



1,500mm Cable Length 1/4 NPT

FLIP VALVE

KN20001 Haldex

Valve Type	TR3
Ports	4
Supply	⅛"
Delivery	⅛"
Exhaust	⅛"



Panel Mount Flipper Style Valve

FOOT VALVE

ABC277863

Valve Type	E3
Ports	6
Supply	¼"
Cross Reference	277863 278654



ABC288383

Valve Type	E7
Ports	8
Supply	¼"
Delivery	¼"
Cross Reference	288383



With Mounting Studs
Threaded 287440 Mounting Ports

AIR VALVES
OTHER VALVES

FRONT AXLE RATIO VALVE

TRP289144

Valve Type	LQ4
Ports	2
Supply	⅜"
Delivery	⅜"
Cross Reference	TRP289144



FULL FUNCTION VALVE

KN28600

Valve Type	FF2
Ports	7
Reservoir	¾"
Supply	⅜"
Delivery	⅜"
Control	¼"



Crack Pressure 3 PSI

GOVERNOR VALVE

275491G0V

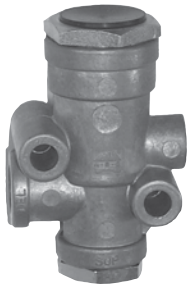
Ports	3
Reservoir	⅛"
Exhaust	⅛"
Pressure Range	275707



INVERSION VALVE

TRP289288

Valve Type	TR3
Ports	3
Supply	¼"
Delivery	¼"
Cross Reference	289288 289288N



42-52 PSI

LEVELING VALVE

TRP27000

Ports	2
Supply	¼"
Cross Reference	KN27000



Midland Style

MODULATING VALVE

ABC103081

Ports	5
Supply	¾"
Delivery	½"
Control	¼"
Cross Reference	103081



AIR VALVES
OTHER VALVES

MULTI FUNCTION VALVE

KN26020

Ports	5
Reservoir	½" & ⅜"
Supply	⅜"
Delivery	⅜"
Control	⅜"



Closing Pressure 70 PSI

STOP LIGHT SWITCH

TRP274746

Valve Type	SL4
Inlet	¼"
Cross Reference	274746



Activation 5 PSI

SYNCHRO VALVE

TRP283700

Valve Type	SV1
Ports	4
Cross Reference	283700



62/50 PSI

TRACTOR PROTECTION VALVE

ABC279000

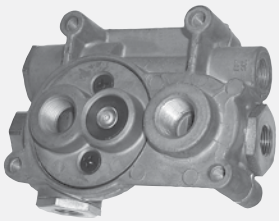
Valve Type	TP3
Ports	4
Service	Tractor ⅜" Trailer ½"
Exhaust	⅛"
Cross Reference	279000



TRACTION CONTROL SOLENOID VALVE

TRP288605

Valve Type	TP5
Ports	7
Delivery	⅜"
Service	⅜" & ½"
Control	⅜"
Cross Reference	288605



TRP472170

Valve Type	DC4
Ports	3
Supply	¼"
Delivery	¼"
Cross Reference	472.170.990.0



12V

NOTES

NOTES

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- John Everett, Parts Manager.

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DISC BRAKE CHAMBERS

Part No.	Chamber/s Size (in²)	Port Position	Additional Information	
1216HTLD64-4148	12/16	90°		
1216HTLD64-4144	12/16	0°		
1416HTLD64-4155	12/16	0°		
1416HTLD64-4156	12/16	90°		
1424HTLD64-1814	14/24	0°	HOT*	
1424HTLD64-3858	14/24	90°	HOT*	
1616HTLD64-4149	16/16	90°		
1616HTLD64-4145	16/16	0°	HOT*	
1624HTLD64-3662	16/24	90°		
1624HTLD64-1815	16/24	0°	HOT*	
1824HTLD65-3961	18/24	0°	HOT*	
2016HTLD65-2522	20/16	0°	HOT*	
2024HTLD65-3962	20/24	90°		



1216HTLD64_4148

ULTRALIFE FEATURES & BENEFITS

I New Urethane Coating
New urethane powder coating applied over our proven 8-step e-coat base provides industry leading long-term resistance to humidity and corrosion

I Proprietary TSE Seal
Proprietary TSE Sealed When It Counts™ utilizes air pressure in chamber to push the diaphragm against the housing drain holes to create a secure seal against moisture and contaminates while driving. When parked, drain holes open up to allow draining and ventilation

I TSE All-N-One™
Proprietary TSE All-N-One™ integrated pressure plate and diaphragm assembly eliminating plate shifting, increasing power spring and diaphragm life

I Patented bushing
Patented bushing, prepacked with low temperature synthetic grease, provides a seal that reduces center section leaks and brake drag

I Dust cap pressure relief valve
Dust cap has pressure relief feature to prevent back pressure or vacuum in spring compartment

I New Urethane Spring Coating
New urethane powder coating applied over our proven 8-step e-coat base for the ultimate spring corrosion protection

I TSE High Vibration mounting base
TSE designed High Vibration "HV" mounting base reduces vibration for longer life

I Optional fixed position clevis
Optional fixed-position clevis with stainless steel pins maximizes corrosion protection and helps reduce seized pins and bent push rods

*HOT - HIGH OUTPUT TECHNOLOGY
A MORE POWERFUL SPRING BRAKE IN A SMALLER PACKAGE

As the first double-diaphragm chamber used worldwide for disc brake applications, TSE's High Output Technology (HOT) chamber is a proven alternative to piston type disc brakes. HOT chambers offer higher output performance for your S-Cam drum brake and disc brake application when compared to standard double-diaphragm chambers, and at a lower cost than piston chambers. HOT brakes are ideal for replacing piston brakes that are typically used on buses and other severe-duty applications.

DISC BRAKE CHAMBERS

Part No.	Chamber/s Size (in²)	Port Position	Additional Information	
12HSCLD64-1705	12	0°	Service Chamber	 12HSCLD64_1705
14HSCLD64-1813	14	0°	Service Chamber	
16HSCLD64-1706	16	0°	Service Chamber	
20HSCLD65-1463	20	0°	Service Chamber	
22HSCLD65-2000	22	0°	Service Chamber	
24HSCLD65-1465	24	0°	Service Chamber	

NOTES

DISC BRAKE CHAMBERS

TRANSPEC

Part No.	Chamber/s Size (in²)	Additional Information	
0544438010	14/24	LH	 0544440010
0544438020	14/24	RH	
0544439020	15/24	LH	
0544439010	15/24	RH	
0544440020	16/24	LH	
0544440010	16/24	RH	
0544442010	18/24	LH	
0544442020	18/24	RH	
0544444020	20/24	LH	
0544444010	20/24	RH	
0544445010	22/24	LH	
0544445020	22/24	RH	

TRANSPEC

Part No.	Chamber/s Size (in²)	Additional Information	
0544430010	14	LH	 0544436020
0544430020	14	RH	
0544431010	15	LH	
0544431020	15	RH	
0544432020	16	LH	
0544432010	16	RH	
0544433020	18	LH	
0544433010	18	RH	
0544434020	20	LH	
0544434010	20	RH	
0544435010	22	RH	
0544436020	24	LH	
0544436010	24	RH	

DISC BRAKE CHAMBERS

YORK

Part No.	Chamber/s Size (in²)	Additional Information	
7978735416	16		 7978735416
7978735420	20		
7978735422	22		
7978735424	24		
797874461216	12/16		
797874461416	14/16		
797873501424L	14/24	LH	
797873501424R	14/24	RH	
797874302024	20/24		

Bendix

Part No.	Chamber/s Size (in²)	Additional Information	
K132352	18/24		 K132352
K028022	18	Service Chamber	

DISC BRAKE CHAMBERS

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Part No.	Chamber/s Size (in^2)	Port Position	Additional Information	
98832-022	12	0°		
98832-107	14	0°		
98832-021	16	0°		
S-40882-U	18	180°	C-38265-U	
98832-108	20	0°		
98832-109	22	0°	98832-033	
98832-110	24	0°	98832-055	
98832-115	12/24	0°	98832-020	
98832-122	14/24	0°		
98832-130	14/30	0°	98832-030, 98832-031	
98832-114	16/24	0°	98832-017	
98832-113	16/30	0°	S-26927-1	
S-38264-L	18/24	135°		
S-38264-R	18/24	45°		
S-40885-U	20/24	180°	C-38779-U	

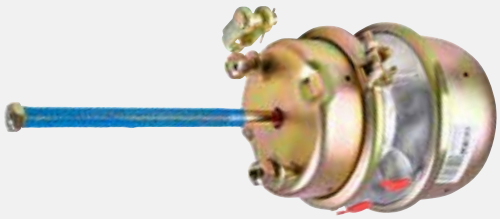


98832-113

NOTES

S-CAM BRAKE CHAMBERS

Part No.	Chamber/s Size (in²)	Additional Information
SB2424CCAUS	24/24	
SB2430CCAUS-1	24/30	
SB2430CCAUS-320-1	24/30	Extended Push Rod (320mm)
SB3030CCAUS	30/30	
SB3030CCAUS-320	30/30	Extended Push Rod (320mm)
SB3636CCAUS	36/36	RH



SB2430CCAUS

Part No.	Chamber/s Size (in²)	Additional Information
1427001	24	Service Chamber
1430001	30	Service Chamber
TYPE-20	20	Service Chamber
1436671	36	Service Chamber
3429050	24/30	
3430050	30/30	
3433051	30/36	
3436051	36/36	



1427001

Part No.	Chamber/s Size (in²)	Additional Information
SC12	12	Service Chamber
SC16M1D	16	Service Chamber
SC20	20	Service Chamber
SC24L	24	Service Chamber
T02-24-24SB	24/24	
T02-24-30ES	24/30	
T02-30-30ES	30/30	
GC3636	36/36	



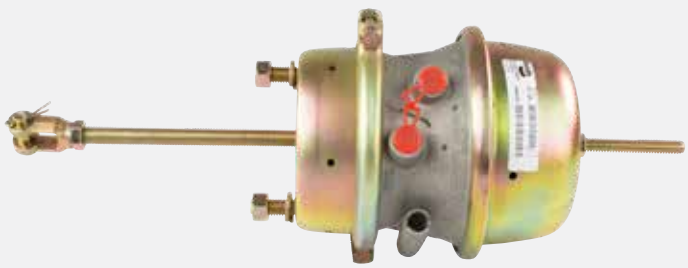
T02-30-30ES

S-CAM BRAKE CHAMBERS

TSE BRAKES

Part No.	Chamber/s Size (in²)	Additional Information	
12SCN0-1490	12	Service Chamber	 2430TN2ULP_80000
16SCN1-1491	16		
20SCN1-1492	20		
24SCN2-1493	24		
30SCN2-1318	30		
30SCN2-1319	30		
30SCN2-1494	30		
36SCN3-1495	36		
2024HTLD65-3962	20/24		
2430TN2-2833	24/30	Standard - Double Diaphragm	
2430TL2-2826			
2430TL2-2827			
2430TN2-4140			
2430TN2-3105			
2430TN2ULP-80000		Ultralife Plus - Suits both LH/RH	
2430TN2ULP-90000		Ultralife Plus - Suits RH Orientation	
3030T-0MN1-466	30/30	Standard - Double Diaphragm	
3030T-0MN1-460		Severe Service (Boot & Breather Tube)	
3030TN2H-4379		HOT - Severe Service Boot & Breather	

Bendix

Part No.	Chamber/s Size (in²)	
5007131	24/30	 2007131
5007132	30/30	

S-CAM BRAKE CHAMBERS

Part No.	Chamber/s Size (in²)	Additional Information	
KHT16	16	Service Chamber	 KHT2430EBR
KHT20	20		
KHT24	24		
KHT30	30		
KHT2024EBR	20/24		
KHT2424EBR	24/24		
KHT2430EBR	24/30		
KHT3030EBR	30/30		

Part No.	Chamber/s Size (in²)	Additional Information	
T2430	24/30		 T3030
T3030	30/30		

S-CAM BRAKE CHAMBERS

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Part No.	Chamber/s Size (in²)	Slack Adjuster	Model	To Clevis	Rod (Approx.)	Additional Information
98832-138	24	6.5", 7"	AAT/AAL EDL/EDT	9.8", 249mm	8.6", 218mm	Replaces 98832-064
98832-137	30					Replaces 98832-063
98832-136	24/30					Replaces 98832-062
98832-135	30/30					Replaces 98832-061
98832-141	30					Replaces 98832-071
98832-140	24/30					Replaces 98832-070
98832-139	30/30					Replaces 98832-069
98832-102	30	6"	AAT	11", 279mm	9.75", 248mm	
98832-105	24/30					
98832-116	30/30					
98832-103	30		AAL	7", 178mm	5.75", 156mm	
98832-106	24/30			7", 178mm	5.75", 156mm	
98832-117	30/30			6.88", 175mm	5.63", 143mm	
98832-118	24	5.5", 6"	Connex™ ST	2.45", 62mm	-	Welded Clevis
C-38863	30				-	
98832-119	24/30				-	
98832-144	30/30				-	

BRAKE CHAMBER HARDWARE

DIAPHRAGM

TSE Part No.	MGM Part No.	Chamber Type	Additional Information
	8017109	9	
100120	8017112	12	
100160		16	
100200	8017120	20	Use with in-line port only
101240	8017141	24	
103240		24	3" Long Stroke
100300	8017730	30	
103300		30	3" Long Stroke
K112360	DP36	36	6mm Stroke



100120

YOKE & PIN ASSEMBLY

Part No.	Additional Information
8292001	Clevis Assembly
1203023	⅝" Pin x ⅝" Thread
1301223	½" Pin x ½" Thread
CP229496	¾" Clevis Pin x ⅝" Thread
CP282592	¾" Clevis Pin x ¾" Thread
1001064	⅝" Clevis Pin x ⅝" Thread - Extended
1003025	½" Clevis Pin
1013025	⅝" Clevis Pin
2103023	14mm Clevis Pin x ⅝" Thread
K1103023	½" Clevis Pin x ⅝" Thread
K1103023S	½" Clevis Pin x ⅝" Thread - Stainless Steal



1203023

Also see Slack Adjuster Service Parts Volume 1 Section 3.2"

PUSHROD

Part No.	Chamber Type	Additional Information
2-1022411-12.90	24	Length 12.90"
K2-1022411-11.10	24	Length 11.10"
K2-1003011-15.15	30	Length 15.5"
1003011	30	Length 11"
1003011-13.10	30	Length 13"
K1001012		Pushrod Guide - Plastic



1003011

BRAKE CHAMBER HARDWARE

PUSHROD			
Part No.	**Chamber Type**	**Description**	**Additional Information**
K1103007		Dust Cap - White	
1013007		Dust Plug - Black	
1003014-PL		Flat Washer - Hardened	
K1003024-PL		Jam Nut	5/8"
K1001054-PL		Nyloc Nut	Nut M16 x 1.50 Nyloc Nut
K1011051		Boot Assembly - Round	
9004001		Boot Kit	
9004003		Boot Kit	
1002013	20	Clamp Ring Assembly	
1002413	24	Clamp Ring Assembly	
K100010-2430	24/30	Breather Tube Assembly	
K100010-3030	30/30	Breather Tube Assembly	
K100010-3636	36/36	Breather Tube Assembly	
1003015	20 to 30	Release Bolt	
1001130		Rubber Grommet	
1001132		Stover Mounting Nut	5/8"



1001130



1001132



1002013



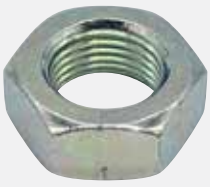
1003014-PL



1003015



K100010-2430



K1003024-PL



K1011051



K1103007

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TEBS MODULE & PARTS
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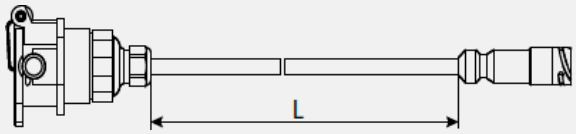
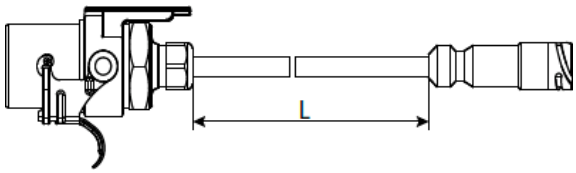
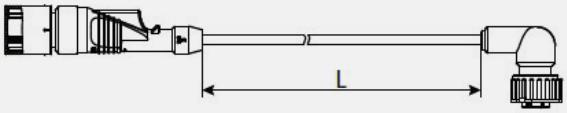
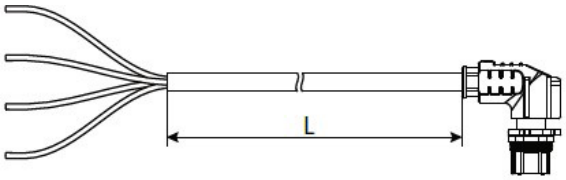
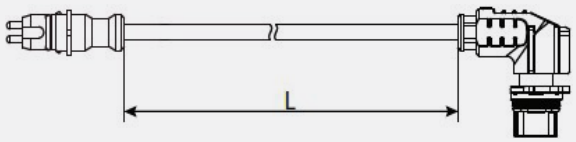
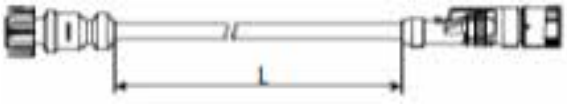
EBS TRAILER MODULE MULTI VOLT		
PART NO.	**VOLTAGE**	**APPLICATION**
480.102.080.0 	12/24V	Multivolt TEBS Module **TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**

EBS TRAILER SMART +1M MODULATOR		
PART NO.	**VOLTAGE**	**APPLICATION**
480.207.001.0 	12/24V	▌Controls Trailers Front Axle Group ▌Connects to TEBS E ▌Suitable for Dog Trailers

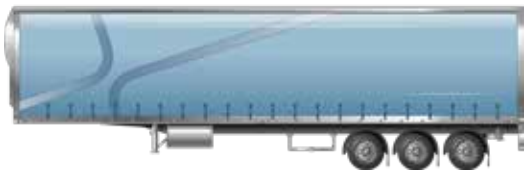
CAN REPEATER	
PART NO.	**APPLICATION**
446.122.051.0 	▌Amplifies CAN signal ▌Use on Long Single Trailers ▌ISO 11992 limits CAN range to 18m ▌CAN Repeater extends range to 80m

CAN ROUTER	
PART NO.	**APPLICATION**
446.122.050.0 	▌Distributes CAN signal to multiple TEBS units ▌Use on Road Trains & Muti-Trailer Combinations ▌Creates CAN signal to speed up brake application timing

TEBS MODULE & PARTS
TEBS CABLES

EBS TRAILER MODULE MULTI VOLT			
PART NO.		**L (m)**	**APPLICATION**
	449.133.120.0	12	For Semi Trailers with Separating Point 24V Socket (7 Pin)
	449.133.150.0	15	
	449.233.100.0	10	For Dog Trailers with Separating Point 24V Plug (7 Pin)
	449.233.140.0	14	
	449.911.060.0	6	For connection to Smart Board via GIO input (7 pin)
	449.535.060.0	6	Universal GIO Cable to connect Steer Axle / Lift Axle / Green Lights etc. (4 Pin)
	449.723.030.0	3	Wheel Speed Sensor Extension Cable for TEBS E (2 Pin)
	449.347.025.0	2.5	Power Separation Cable (7 Pin)

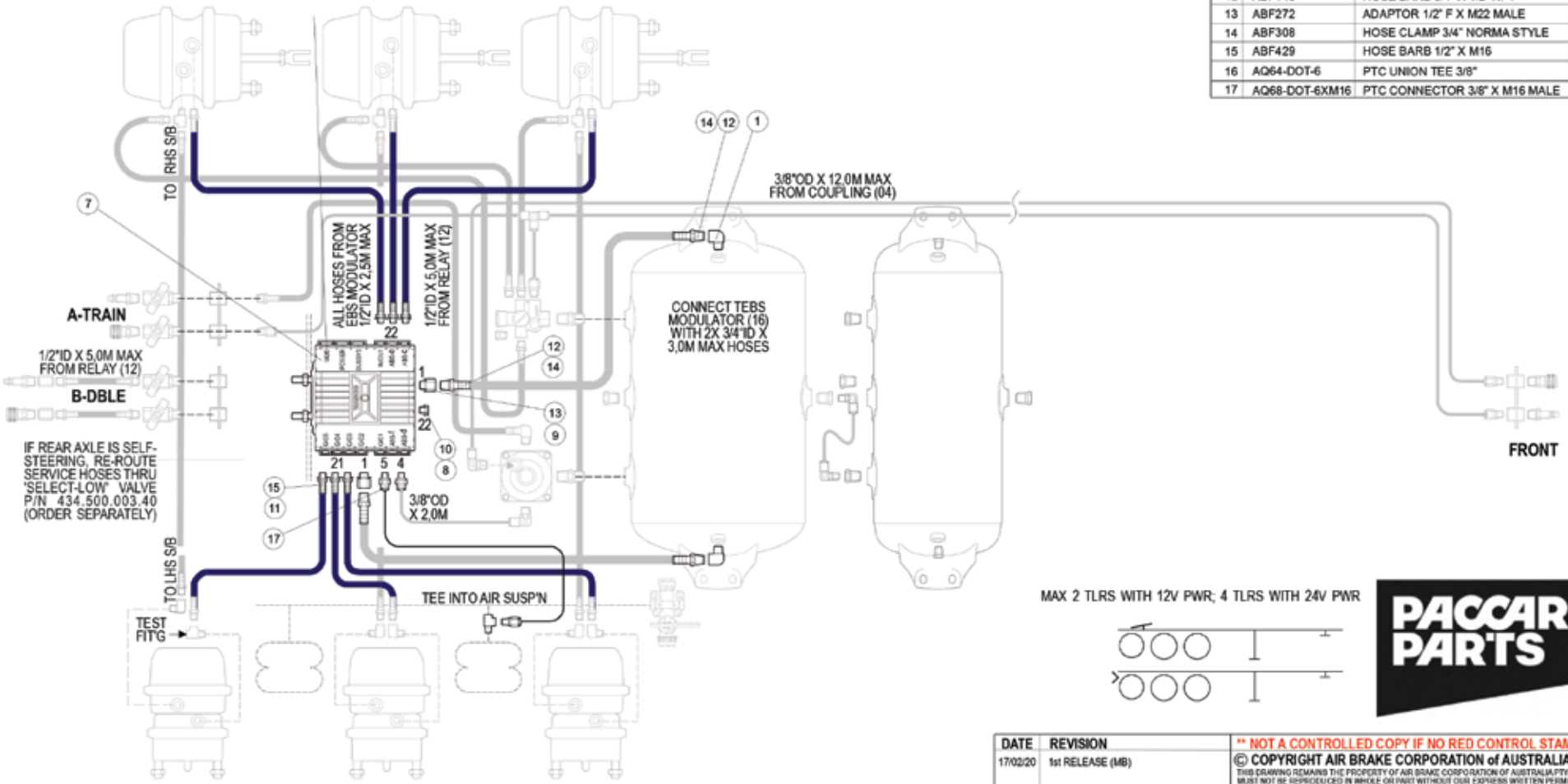
TEBS MODULE & PARTS
TEBS RETROFIT KITS

TEBS LEAD TRAILER RETRO FIT KIT				
PART NO.	**APPLICATION**	**WORKING VOLTAGE**	**WORKING PRESSURE**	**NOTES**
EBSE2S2MA-P1 	Semi Trailer Lead / A Trailer	12/24V	10 Bar	**TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**
EBSE2S2MB-P1 	Semi Trailer Tag / B Trailer	12/24V	10 Bar	**TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**
EBSE4S3MB-P1 	3 Axle Dog Trailer	12/24V	10 Bar	**TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**

Please see technical drawings in the following pages

NOTES

ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	446.122.050.0	CAN ROUTER CLASSIC	1
3	449.133.120.0	CONECT CABLE, EBS SOCKET 12M	1
4	449.135.060.0	CABLE EBS REAR LEAD 6M	1
5	449.347.025.0	CONNECTING CABLE 2.5M	1
6	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
7	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
8	811.401.057.4	ALUMINIUM WASHER M16	2
9	811.401.060.4	ALUMINIUM WASHER M22	2
10	893.011.711.4	HEX HEAD PLUG M16	5
11	ABF110	HOSE CLAMP 1/2" NORMA STYLE	6
12	ABF148	HOSE BARB 3/4" X 1/2" NPT	4
13	ABF272	ADAPTOR 1/2" F X M22 MALE	2
14	ABF308	HOSE CLAMP 3/4" NORMA STYLE	8
15	ABF429	HOSE BARB 1/2" X M16	6
16	AQ64-DOT-6	PTC UNION TEE 3/8"	1
17	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2



MAX 2 TLRS WITH 12V PWR; 4 TLRS WITH 24V PWR

*POSITION & ORIENTATION OF TEBS MODULATOR IS CRUCIAL TO CORRECT FUNCTION (SEE SCHEMATIC EBSE00A FOR DETAIL). MODULATOR HAS METRIC PORTS, & SUITABLE ADAPTERS & SEALING WASHERS ARE SUPPLIED - DO NOT USE THREAD SEALANT! TEBS MUST BE PROGRAMMED FOR CORRECT FUNCTION BEFORE ENTERING SERVICE.

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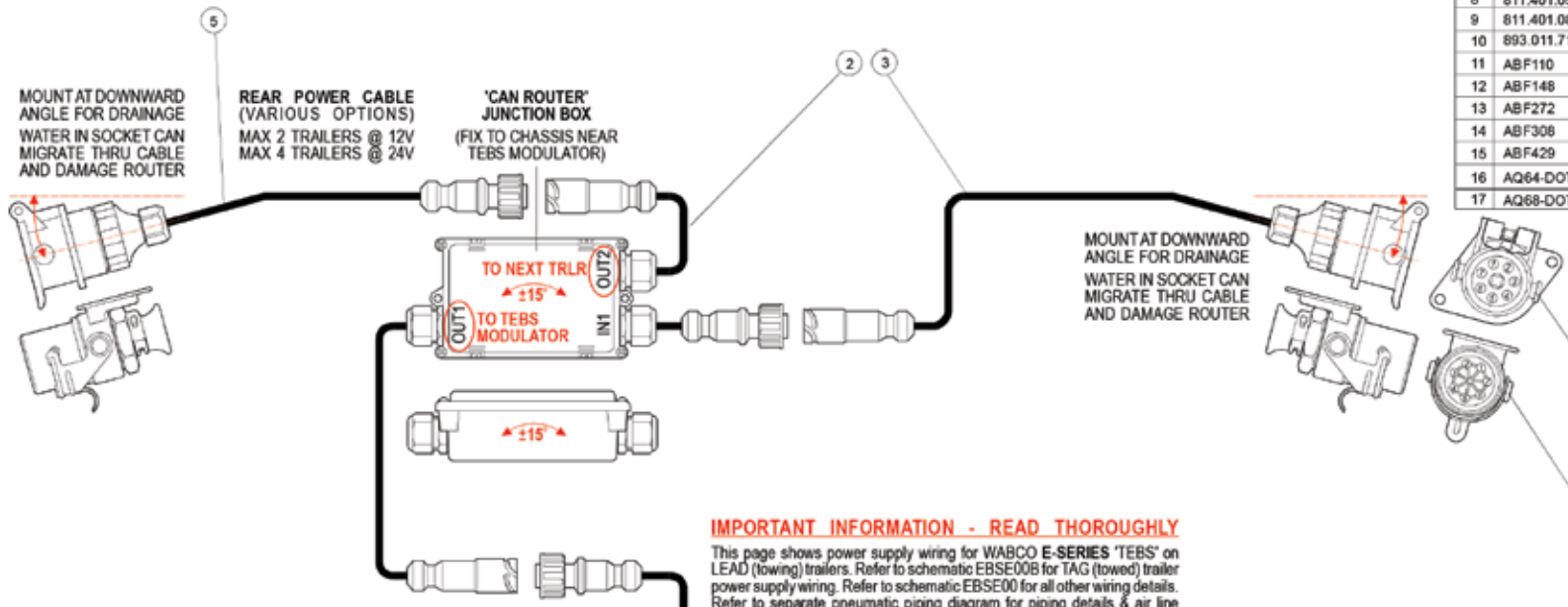
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ALL DIMS IN mm	DRWN by MICK BERRY	DWG SIZE	A3
DO NOT SCALE	FIRST ISSUED 18/02/20	SHEET	1 OF 1

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 AXLE SEMI TRAILER, UPGRADE

DWG No. **EBSE2S2MA-P1**



ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	446.122.050.0	CAN ROUTER CLASSIC	1
3	449.133.120.0	CONECT CABLE, EBS SOCKET 12M	1
4	449.135.060.0	CABLE EBS REAR LEAD 6M	1
5	449.347.025.0	CONNECTING CABLE 2.5M	1
6	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
7	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
8	811.401.057.4	ALUMINIUM WASHER M16	2
9	811.401.080.4	ALUMINIUM WASHER M22	2
10	893.011.711.4	HEX HEAD PLUG M16	5
11	ABF110	HOSE CLAMP 1/2" NORMA STYLE	6
12	ABF148	HOSE BARB 3/4" X 1/2" NPT	4
13	ABF272	ADAPTOR 1/2" F X M22 MALE	2
14	ABF308	HOSE CLAMP 3/4" NORMA STYLE	8
15	ABF429	HOSE BARB 1/2" X M16	6
16	AQ64-DOT-6	PTC UNION TEE 3/8"	1
17	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2

IMPORTANT INFORMATION - READ THOROUGHLY

This page shows power supply wiring for WABCO **E-SERIES** 'TEBS' on LEAD (towing) trailers. Refer to schematic EBSE00B for TAG (towed) trailer power supply wiring. Refer to schematic EBSE00 for all other wiring details. Refer to separate pneumatic piping diagram for piping details & air line connections.

The WABCO **E-SERIES** 'TEBS' supplied with this schematic is multivolt, & will function with either 12V or 24V power supply from towing vehicle. Kits for dog trailers & converter dollies are supplied with dual keyway multivolt plugs for connection to either 12V or 24V sockets on the towing vehicle. Kits for semi-trailers are supplied with a female socket, which is keyed for either 12V or 24V (there is no multivolt version). If the plug from the towing vehicle does not match, it should be replaced with a dual keyway multivolt plug available from Air Brake Corporation.

TEBS includes an electronic load sensing function which proportions applied brake pressure according to axle load. A pressure sensor integrated into the TEBS modulator (port 5) 'reads' axle load via a connection to the air suspension. The relationship between air suspension pressure & axle load is programmed into the TEBS during the end-of-line commissioning.

The TEBS load sensing function provides improved brake compatibility and wear balance when coupled to towing vehicles also equipped with load sensing, but can cause brake imbalance and excessive wear when coupled to towing vehicles without. Most newer European vehicles have load sensing &/or EBS, but as multivolt TEBS may also be used behind 12V North American vehicles without load sensing, the TEBS is generally programmed with an intermediate load proportioning setting to avoid underbraking of empty trailer behind non-load sensed vehicles. Trailer may then be slightly overbraked behind load sensed vehicles, but ABS function will prevent instability.

TEBS **MUST** be programmed via PC & signed off by an authorized technician before entering service. Correct programming of the abovementioned load sensing parameters is particularly important. Vehicle braking may be seriously impaired & dash warning lamp will remain on if system has not been signed off.

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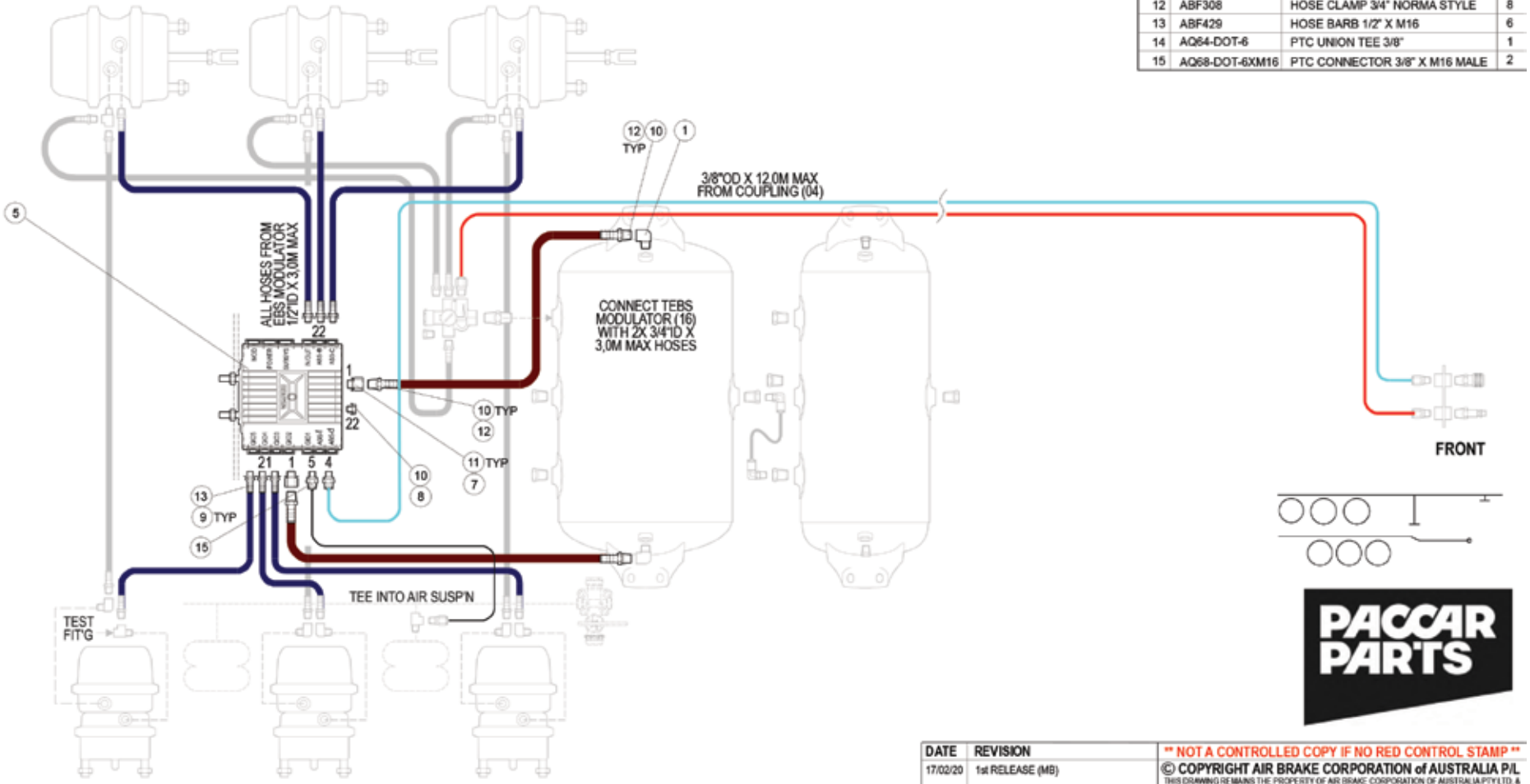
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	ALL DIMS IN mm	DRWN by MICK BERRY	DWG SIZE A3
	DO NOT SCALE	FIRST ISSUED 18/02/20	SHEET 2 OF 2

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 AXLE SEMI TRAILER, UPGRADE

DWG No. **EBSE2S2MA-P1**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	449.133.120.0	CONECT CABLE, EBS SOCKET 12M	1
3	449.347.025.0	CONNECTING CABLE 2.5M	1
4	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
5	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
6	811.401.057.4	ALUMINIUM WASHER M16	2
7	811.401.080.4	ALUMINIUM WASHER M22	2
8	893.011.711.4	HEX HEAD PLUG M16	5
9	ABF110	HOSE CLAMP 1/2" NORMA STYLE	6
10	ABF148	HOSE BARB 3/4" X 1/2" NPT	4
11	ABF272	ADAPTOR 1/2" F X M22 MALE	2
12	ABF308	HOSE CLAMP 3/4" NORMA STYLE	8
13	ABF429	HOSE BARB 1/2" X M16	6
14	AQ64-DOT-6	PTC UNION TEE 3/8"	1
15	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2



*POSITION & ORIENTATION OF TEBS MODULATOR IS CRUCIAL TO CORRECT FUNCTION (SEE SCHEMATIC EBSE00A FOR DETAIL). MODULATOR HAS METRIC PORTS, & SUITABLE ADAPTERS & SEALING WASHERS ARE SUPPLIED - DO NOT USE THREAD SEALANT! TEBS MUST BE PROGRAMMED FOR CORRECT FUNCTION BEFORE ENTERING SERVICE.

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ALL DIMS IN mm	DRWN by MICK BERRY	DWG SIZE	A3
DO NOT SCALE	FIRST ISSUED 18/02/20	SHEET	1 OF 1

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 AXLE SEMI TRAILER, UPGRADE

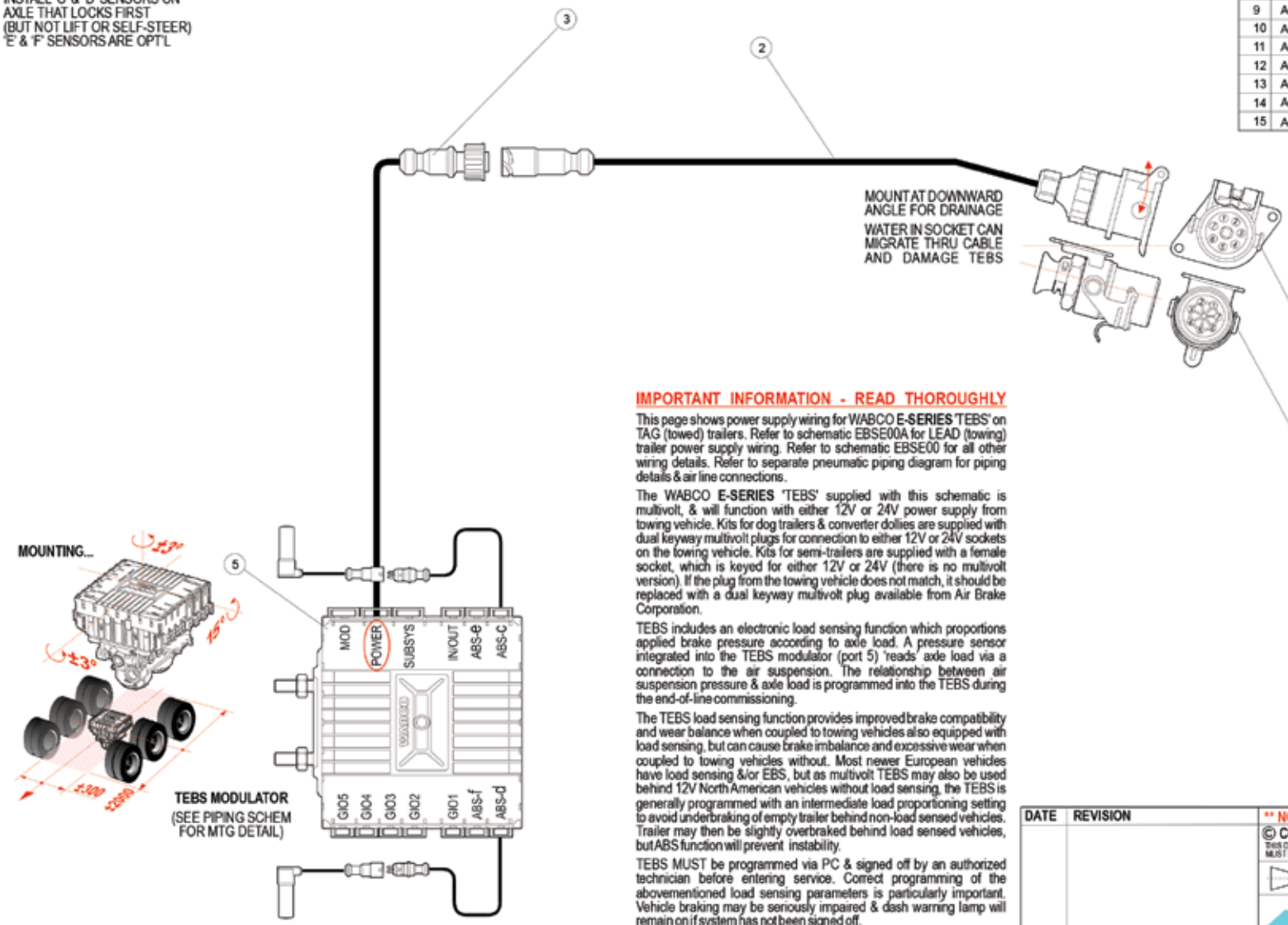
DWG No. **EBSE2S2MB-P1**

SEMI - 2S/2M (STD), 4S/2M (OPTL)



INSTALL 'C' & 'D' SENSORS ON AXLE THAT LOCKS FIRST (BUT NOT LIFT OR SELF-STEER)
'E' & 'F' SENSORS ARE OPT'L

ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	449.133.120.0	CONECT CABLE, EBS SOCKET 12M	1
3	449.347.025.0	CONNECTING CABLE 2.5M	1
4	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
5	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
6	811.401.057.4	ALUMINIUM WASHER M16	2
7	811.401.080.4	ALUMINIUM WASHER M22	2
8	893.011.711.4	HEX HEAD PLUG M16	5
9	ABF110	HOSE CLAMP 1/2" NORMA STYLE	6
10	ABF148	HOSE BARB 3/4" X 1/2" NPT	4
11	ABF272	ADAPTOR 1/2" F X M22 MALE	2
12	ABF308	HOSE CLAMP 3/4" NORMA STYLE	8
13	ABF429	HOSE BARB 1/2" X M16	6
14	AQ64-DOT-6	PTC UNION TEE 3/8"	1
15	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2



ABS/EBS CONNECTOR (WIRE COLOUR)

SEMI (MALE CONTACTS)

1 - BATTERY +VE	(RED WIRE)
2 - IGNITION +VE	(BLK WIRE)
3 - IGNITION GND	(YEL WIRE)
4 - BATTERY GND	(BRN WIRE)
5 - DASH W/LAMP	(WHT WIRE)
6 - CAN 'HIGH'	(WHT/GRN)
7 - CAN 'LOW'	(WHT/BRN)

DOG (FEMALE CONTACTS)

IMPORTANT INFORMATION - READ THOROUGHLY

This page shows power supply wiring for WABCO **E-SERIES** 'TEBS' on TAG (towed) trailers. Refer to schematic EBSE00A for LEAD (towing) trailer power supply wiring. Refer to schematic EBSE00 for all other wiring details. Refer to separate pneumatic piping diagram for piping details & air line connections.

The WABCO **E-SERIES** 'TEBS' supplied with this schematic is multivolt, & will function with either 12V or 24V power supply from towing vehicle. Kits for dog trailers & converter dollies are supplied with dual keyway multivolt plugs for connection to either 12V or 24V sockets on the towing vehicle. Kits for semi-trailers are supplied with a female socket, which is keyed for either 12V or 24V (there is no multivolt version). If the plug from the towing vehicle does not match, it should be replaced with a dual keyway multivolt plug available from Air Brake Corporation.

TEBS includes an electronic load sensing function which proportions applied brake pressure according to axle load. A pressure sensor integrated into the TEBS modulator (port 5) 'reads' axle load via a connection to the air suspension. The relationship between air suspension pressure & axle load is programmed into the TEBS during the end-of-line commissioning.

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TEBS MUST be programmed via PC & signed off by an authorized technician before entering service. Correct programming of the abovementioned load sensing parameters is particularly important. Vehicle braking may be seriously impaired & dash warning lamp will remain on if system has not been signed off.

DATE	REVISION

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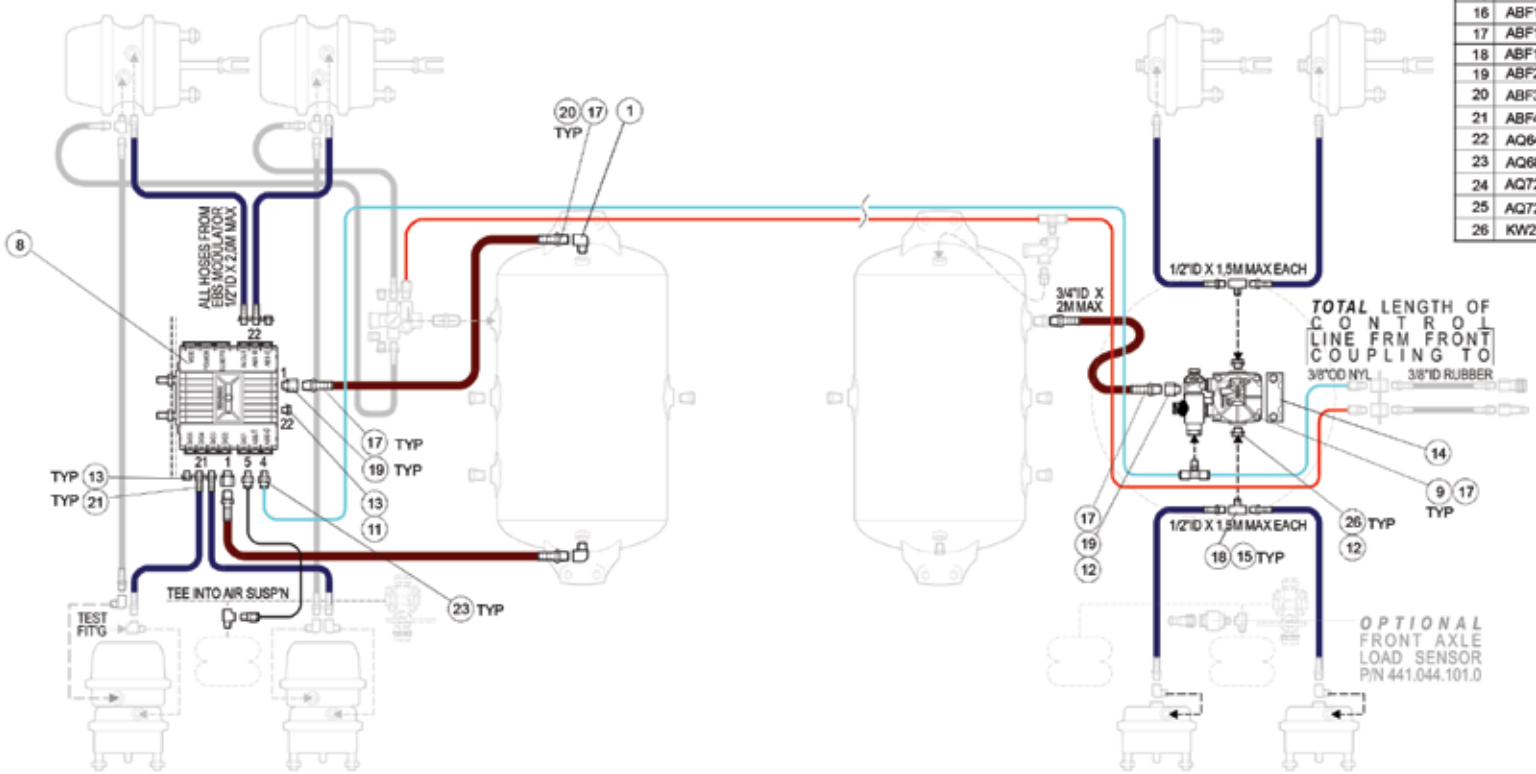
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ALL DIMS IN mm	DRWN by MICK BERRY	DWG SIZE	A3
DO NOT SCALE	FIRST ISSUED 18/02/20	SHEET	1 OF 1

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 AXLE SEMI TRAILER, UPGRADE

DWG No. **EBSE2S2MB-P1**

ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	234584	PIPE NIPPLE 3/8" X 3/8"	2
3	449.233.140.0	CABLE, TEBS PWR 24V PLUG 14M	1
4	449.347.025.0	CONNECTING CABLE 2.5M	1
5	449.429.130.0	CABLE TO 3RD MODULATOR	1
6	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
7	449.723.080.0	CABLE TEBS W/S SENSOR 8M	2
8	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
9	480.207.202.0	MULTIVOLT 3RD MODULATOR VALVE	1
10	811.401.032.4	ALUMINIUM WASHER M16	1
11	811.401.057.4	ALUMINIUM WASHER M16	2
12	811.401.080.4	ALUMINIUM WASHER M22	6
13	893.011.711.4	HEX HEAD PLUG M16	5
14	ABC296010	BRACKET, SUIT RELAY VALVE	1
15	ABF103	HOSE BARB 1/2" X 3/8"	4
16	ABF110	HOSE CLAMP 1/2" NORMA STYLE	10
17	ABF148	HOSE BARB 3/4" X 1/2" NPT	6
18	ABF155	PIPE BRANCH TEE 3/8" X 3/8" M	4
19	ABF272	ADAPTOR 1/2" F X M22 MALE	4
20	ABF308	HOSE CLAMP 3/4" NORMA STYLE	12
21	ABF429	HOSE BARB 1/2" X M16	21
22	AQ64-DOT-6	PTC UNION TEE 3/8"	1
23	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2
24	AQ72-DOTS-6X4	PTC BRANCH TEE 3/8" X 1/4"	1
25	AQ72-DOT-6XM12	PTC BRANCH TEE 3/8" X M12 M	1
26	KW2783/1	BUSH 3/8F X M22 M	2



*POSITION & ORIENTATION OF TEBS MODULATOR IS CRUCIAL TO CORRECT FUNCTION (SEE SCHEMATIC EBSE00 FOR DETAILS). MODULATOR HAS METRIC PORTS, & SUITABLE ADAPTERS & SEALING WASHERS ARE SUPPLIED - DO NOT USE THREAD SEALANT! TEBS MUST BE PROGRAMMED FOR CORRECT FUNCTION BEFORE ENTERING SERVICE.



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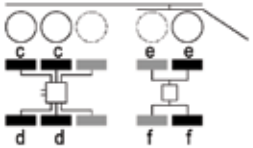
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ALL DIMS IN mm | DRWN by MICK BERRY | DWG SIZE A3
DO NOT SCALE | FIRST ISSUED 2020/02/19 | SHEET 1 OF 2

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 / 4 AXLE TRAILER, UPGRADE

DWG No. **EBSE4S3MB-P1**

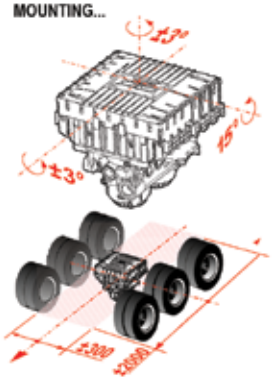
DOG - 4S/3M (3 AXLES OR MORE)

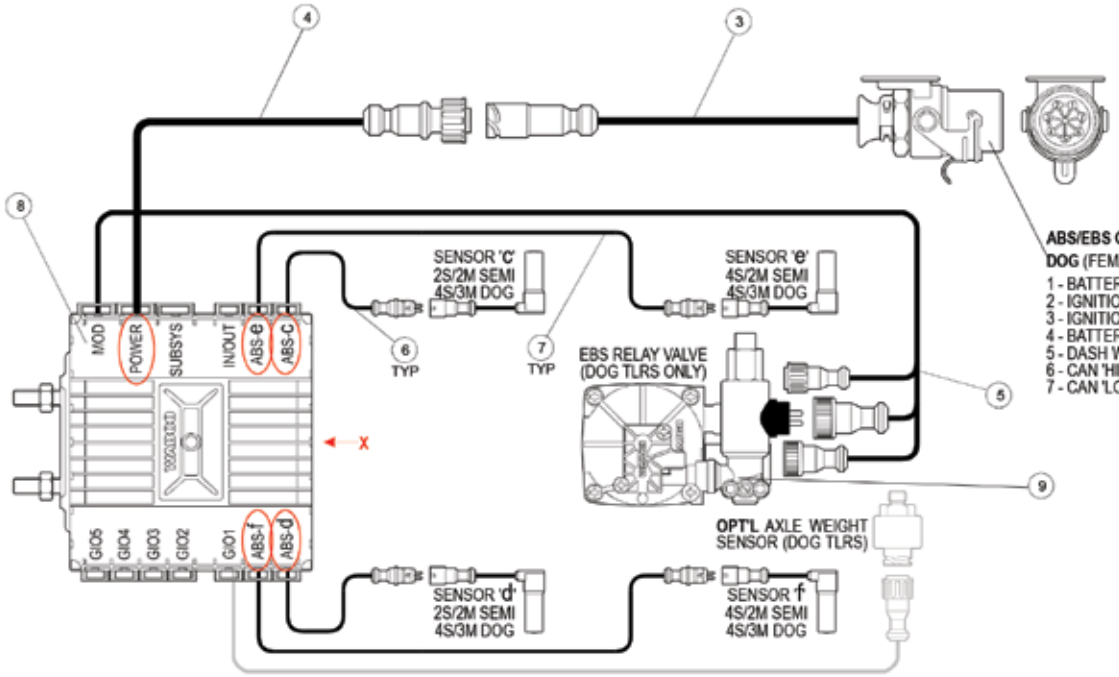


INSTALL SENSORS ON AXLE THAT LOCKS FIRST IN EACH GROUP (BUT NOT LIFT OR SELF-STEER)

ITEM	PART NUMBER	DESCRIPTION	QTY
1	233570	PIPE ELBOW 90 deg 1/2"F X 1/2" M	2
2	234584	PIPE NIPPLE 3/8" X 3/8"	2
3	449.233.140.0	CABLE, TEBS PWR 24V PLUG 14M	1
4	449.347.025.0	CONNECTING CABLE 2.5M	1
5	449.429.130.0	CABLE TO 3RD MODULATOR	1
6	449.723.030.0	CABLE TEBS W/S SENSOR 3M	2
7	449.723.080.0	CABLE TEBS W/S SENSOR 8M	2
8	480.102.080.0	EBSE TRAILER MODULATOR M/VOLT	1
9	480.207.202.0	MULTIVOLT 3RD MODULATOR VALVE	1
10	811.401.032.4	ALUMINIUM WASHER M16	1
11	811.401.057.4	ALUMINIUM WASHER M16	2
12	811.401.080.4	ALUMINIUM WASHER M22	6
13	893.011.711.4	HEX HEAD PLUG M16	5
14	ABC296010	BRACKET, SUIT RELAY VALVE	1
15	ABF103	HOSE BARB 1/2" X 3/8"	4
16	ABF110	HOSE CLAMP 1/2" NORMA STYLE	10
17	ABF148	HOSE BARB 3/4" X 1/2" NPT	6
18	ABF155	PIPE BRANCH TEE 3/8" X 3/8" M	4
19	ABF272	ADAPTOR 1/2" F X M22 MALE	4
20	ABF308	HOSE CLAMP 3/4" NORMA STYLE	12
21	ABF429	HOSE BARB 1/2" X M16	21
22	AQ64-DOT-6	PTC UNION TEE 3/8"	1
23	AQ68-DOT-6XM16	PTC CONNECTOR 3/8" X M16 MALE	2
24	AQ72-DOTS-6X4	PTC BRANCH TEE 3/8" X 1/4"	1
25	AQ72-DOT-6XM12	PTC BRANCH TEE 3/8" X M12 M	1
26	KW2783/1	BUSH 3/8F X M22 M	2

MOUNTING...





ABS/EBS CONNECTOR (WIRE COLOUR)
DOG (FEMALE CONTACTS)

1 - BATTERY +VE	(RED WIRE)
2 - IGNITION +VE	(BLK WIRE)
3 - IGNITION GND	(YEL WIRE)
4 - BATTERY GND	(BRN WIRE)
5 - DASH W/LAMP	(WHT WIRE)
6 - CAN 'HIGH'	(WHT/GRN)
7 - CAN 'LOW'	(WHT/BRN)

PACCAR PARTS

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ALL DIMS IN mm | DRWN by MICK BERRY | DWG SIZE A3
DO NOT SCALE | FIRST ISSUED 2020/02/19 | SHEET 1 OF 2

ELECTRONIC BRAKE SYSTEM (T)EBS-E
3 / 4 AXLE TRAILER, UPGRADE

DWG No. **EBSE4S3MB-P1**

TEBS MODULE & PARTS
TEBS RETROFIT KITS

TEBS TRAILER RETRO FIT KIT CONTENTS					
PART NO.	DESCRIPTION	EBSE2S2MA-P1 QTY:	EBSE2S2MB-P1 QTY:	EBSE4S3MB-P1 QTY:	AVAILABLE SEPARATELY
233570	Pipe Elbow 90° ½" F x ½" M	2	2	2	-
446.122.050.0	CAN Router Classic	1	-	-	Yes
449.133.120.0	Connect Cable, EBS Socket 12m	1	1	-	Yes
449.135.060.0	Cable EBS Rear Lead 6m	1	-	-	Yes
449.347.025.0	Connecting Cable 2.5m	1	1	1	Yes
449.723.030.0 / 4497230300	Cable TEBS Wheel Speed Sensor 3m	2	2	2	Yes
480.102.080.0	EBSE Trailer Modulator Multivolt	1	1	1	Yes
811.401.057.4	Aluminium Washer M16	2	2	2	-
811.401.080.4	Aluminium Washer M22	2	2	6	Yes
893.011.711.4	Hex Head Plug M16	5	5	5	-
ABF110	Hose Clamp ½" Normal Style	6	6	10	-
ABF148	Hose Barb ¾" x ½" NPT	4	4	6	-
ABF272	Adaptor ½" F x M22 Male	2	2	4	-
ABF308	Hose Clamp ¾" Normal Style	8	8	12	-
ABF429	Hose Barb ½" x M16	6	6	21	-
AQ64-DOT-6	PTC Union Tee ⅜"	1	1	1	-
AQ68-DOT-6XM16	PTC Connector ⅜" x M16 Male	2	2	2	-
234584	Pipe Nipple ⅜" x ⅜"	-	-	2	-
449.233.140.0	Cable, TEBS PWR 24V Plug 14m	-	-	1	-
449.429.130.0	Cable to 3rd Modulator	-	-	1	-
449.723.080.0	Cable TEBS Wheel Speed Sensor 8m	-	-	2	-
480.207.202.0	Multivolt 3rd Modulator Valve	-	-	1	-
811.401.032.4	Aluminium Washer M16	-	-	1	-
ABC296010	Bracket, Relay Valve	-	-	1	-
ABF103	Hose Barb ½" x ⅜"	-	-	4	Yes
ABF155	Pipe Branch Tee ⅜" x ⅜" M	-	-	4	-
AQ72-DOTS-6X4	PTC Branch Tee ⅜" x ¼"	-	-	1	-
AQ72-DOT-6XM12	PTC Branch Tee ⅜" x M12 M	-	-	1	-
KW2783/1	Bush ⅜" F x M22 M	-	-	2	Yes

TEBS MODULE & PARTS
TEBS DIAGNOSTIC KITS

TRAILER DIAGNOSTIC FULL CASE		
PART NO.	**APPLICATION**	**NOTES**
446301023MV 	Complete Kit Trailer Diagnostics	**TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**

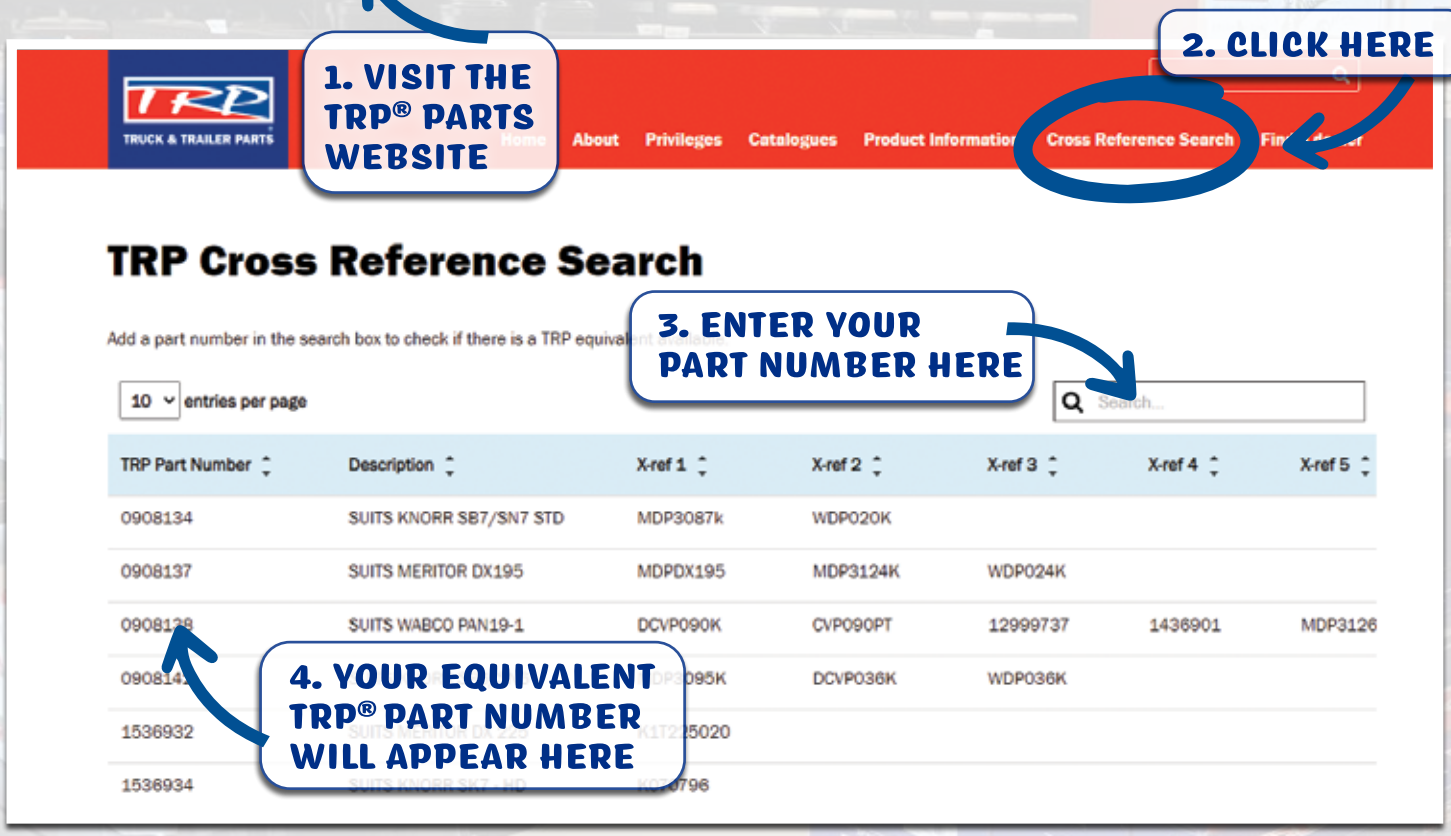
TRAILER DIAGNOSTIC INTERFACE		
PART NO.	**APPLICATION**	**NOTES**
4463010300 	Diagnostic Interface with Cable	**TEBS MUST BE PROGRAMED & SIGNED OFF BY A QUALIFIED INSTALLER!**

TRUCK & TRAILER PARTS

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- Scott Medhurst, Dealer Principal.

ABS WHEEL SPEED SENSORS

WABCO

PART NO.	DESCRIPTION	APPLICATION
4410328790 	Sensor Speed Elbow 0.4m DIN Connector	Wabco
4410328130 	Sensor Speed Elbow 1.7m DIN Connector	Wabco
4410328140 	Sensor Speed Elbow 2.0m DIN Connector	Wabco
4410329050 	Sensor Speed STRT 0.3m DIN Connector	

ABS WHEEL SPEED SENSORS

WABCO

PART NO.		DESCRIPTION	APPLICATION
4410329212		Sensor Speed Elbow 0.4m DIN Kit	
4410329222		Sensor Speed Elbow 1.0m DIN Kit	
4410350010		ABS Sensor	
4410329000		Sensor & Cable ASSY	

ABS WHEEL SPEED SENSORS

TRANSPEC

PART NO.	DESCRIPTION	APPLICATION

0233170500 	ABS Sensor & Lead
	Angled Length = 350mm
		BPW
		- SB3745 & SB3745T ECOPlus Hub
		  - 10 Tonne
		  - Tangential Mount
		- Replaces T02-0233170500

0233170700 	ABS Sensor & Lead
	Straight Length = 350mm
		BPW
		- SB3745 & SB3745T ECO Hub
		  - 9 tonne
		  - Axial Mount
		- SB3745, SB3745T & SB4309T ECOPlus Hub
		  - 9 tonne
		  - Tangential Mount
		- SB4309T ECOPlus Hub
		  - 10 tonne
		  - Tangential Mount

NOTES

ABS CABLES & ACCESSORIES

TRANSPEC

PART NO.		DESCRIPTION	APPLICATION
0203165900		Bush Sensor ABS	▌ ECO Hub 9 Tonne Axial Brake ▌ ECOPlus Hub 9 tonne, 10 tonne Tangential ▌ Brake Type SB4309T, SN4218, SB3745 & SB3745T ▌ Replaces T02-0203165900
0318907580		ABS Sensor Bracket Right	▌ To Suit Brake Type SN4218 ▌ H91/H101 120mm Square 9t/10t/12t Bearings ▌ H10 150mm Square 10t/12t Bearings ▌ Replaces T02-0318907580
0318907590		ABS Sensor Bracket Left	▌ To Suit Brake Type SN4218 ▌ H91/H101 120mm Square 9t/10t/12t Bearings ▌ H10 150mm Square 10t/12t Bearings ▌ Replaces T02-0318907590

ABS CABLES & ACCESSORIES

TRANSPEC

PART NO.		DESCRIPTION	APPLICATION
0518915590		ABS Grommet with O' Ring	
0318914610		Sensor Bracket	▌To Suit Brake Type SN3620 ▌KH90 120mm Square 9t Bearings ECOPlus Hub

WABCO

PART NO.		DESCRIPTION	APPLICATION
EBS075.12		ABS Socket	12V EBS Female Socket

ABS KITS FOR 19.5" WHEELS*

TRANSPEC

Fig A

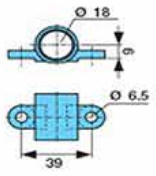


Fig B

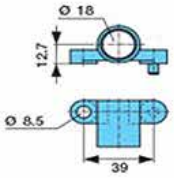


Fig C

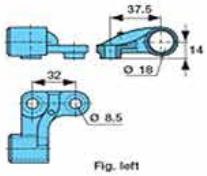
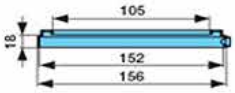


Fig D



PART NO.	APPLICATION	INCLUDED PARTS	INCLUDED PART NO.	QTY	NOTE
0580173860	SB3745 & SB3745T ECO Hub 9 tonne Axial Mount	Locking Bolt. M10 x 15	0250712200	2	
		Sensor Bracket	0318912020	2	A
		Cylinder Cap Bolt. M6 X 12 - 8.8	0250159480	4	
		Spring Washer A6	0256010690	4	
		Exciter Ring 80 Teeth (for 19.5" Wheels) Ø105/152/156 x 18	0531007291	2	D (Supercedes 0531007290)
		Sensor, Straight. L = 350	0233170700	2	
		Bush	203165900	2	NSS
		Support Short. L 35	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5g	210401700	1	
0580174090	Brake Type SB3745, SB3745T & SB4309T ECOPlus Hub 9 tonne Tangential Mount	Locking Bolt. M10 x 15	0250712200	2	
		Locking Bolt. M8 x 20	0250712300	2	
		Sensor Bracket	0318914610	2	B
		Locking Screw. M8 x 20	0250712300	2	
		Exciter Ring. 80 Teeth (for 19.5" Wheels) Ø125/156 x 8.5	0331008530	2	E
		Sensor, Straight. L = 350	0233170700	2	
		Bush	203165900	2	NSS
		Support Short. L 35	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5g	210401700	1	
0580173880	Brake Type SB3745 & SB3745T ECOPlus Hub 10 tonne Tangential Mount	Locking Bolt. M10 x 15	0250712200	2	
		Exciter Ring. 100 Teeth (for 20" Wheels) Ø177/215 x 22/5 x Ø6.5	0331009390	2	F
		Cylinder Cap Screw M6 x 30	0250154882	10	
		Spring Washer	0256010690	10	
		Sensor, Angled. L = 350	0233170500	2	
		Bush	203165900	2	NSS
		Support Short. L 35"	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5g	210401700	1	

* Please note: To determine which exciter ring is required you will need to know both the tyre size and the type of exciter ring. You can determine the type of exciter ring by referring to the figures above. The ABS Kits will only include the exciter ring that is relevant to the correct type and wheel size.

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION

ABS KITS FOR 20" WHEELS*

TRANSPEC

Fig E

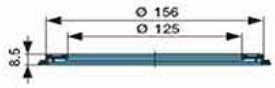


Fig F

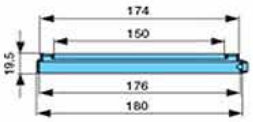
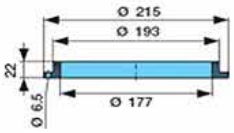


Fig G



PART NO.	APPLICATION	INCLUDED PARTS	INCLUDED PART NO.	QTY	NOTE
0580173870	SB3745 & SB3745T ECO Hub 9 tonne Axial Mount	Locking Bolt. M10 x 15	0250712200	2	
		Sensor Bracket	0318912020	2	A
		Cylinder Cap Bolt. M6 x 12 - 8.8	0250159480	4	
		Spring Washer A6	0256010690	4	
		Exciter Ring. 100 Teeth (for 20" Wheels) Ø105/152/156 x 18	0531007300	2	D
		Sensor, Straight. L = 350	0233170700	2	
		Bush	203165900	2	NSS
		Support Short. L 35	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5 gm	210401700	1	
0580174080	Brake Type SB3745, SB3745T & SB4309T ECOPlus Hub 9 tonne Tangential Mount	Locking Bolt. M10 x 15	0250712200	2	
		Locking Bolt. M8 x 20	0250712300	2	
		Sensor Bracket	0318914610	2	B
		Locking Screw. M8 x 20	0250712300	2	
		Exciter Ring. 100 Teeth (for 20" Wheels) Ø125/156 x 8.5"	0331008510	2	E
		Sensor, Straight. L = 350	0233170700	2	
		Bush	203165900	2	NSS
		Support Short. L 35	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5 gm	210401700	1	
0580173880	Brake Type SB3745 & SB3745T ECOPlus Hub 10 tonne Tangential Mount	Locking Bolt. M10 x 15	0250712200	2	
		Shaped plate	316323040	2	NSS
		Sensor Bracket. Left Hand	318907580	2	C, NSS
		Sensor Bracket. Right Hand	318907590	2	C, NSS
		Exciter Ring. 100 Teeth (for 20" Wheels) Ø150/176/180 x Ø19.5	0531008501	2	F
		Sensor, Straight. L = 350	0233170700	2	
		Bush	203165900	2	NSS
		Support Short. L 35	318907350	2	
		Support	214211100	2	
		Serrated Lock Washer A 10.5	254141190	2	
		Heat Protection Plate	316524640	2	
		Special Silicone Grease 5 gm	210401700	1	

* Please note: To determine which exciter ring is required you will need to know both the tyre size and the type of exciter ring. You can determine the type of exciter ring by referring to the figures above. The ABS Kits will only include the exciter ring that is relevant to the correct type and wheel size.

NA - NOT AVAILABLE - DISCONTINUED | NSS - NOT SOLD SEPARATELY | NS - NOT SHOWN IN DRAWING | RPS- REFER PRODUCT SECTION



Wheels, hubs, hubodometers, hub caps, bearings and even axle tools are covered in this section. Everything that you can see on a wheel end plus a host of parts that you can't see are the mainstay here. Supported by drawings and illustrations, you can select and shop with confidence.

WHEEL END

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TO VIEW THE DIGITAL VERSION OF THE PACCAR PARTS TRAILER CATALOGUE **SCAN HERE!**

DRUM BRAKE HUBS



Type 1 3 Spoke | Type 2 5 Spoke | Type 3 6 Spoke | Type 4 8 Stud ISO | Type 5 10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

TRANSPEC

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
0327248880	Hub - 10/335 HZ91 D/ALU ECO Grease - 10 Stud, 335 mm PCD	5	BPW ECO Hub 10 Tonne 9110 HZA-ZM & HAS-SM Axle	53
0327247450	Hub - ECO P 10010 TK 285 Drum - 10 Stud, 285 mm PCD	5	BPW ECO Hub 10 Tonne 9110 HZA-ZM & HAS-SM Axle	53, 57, 63
0327243460	Hub - 10 Stud 335 PCD -D/AL Drum Push In - 10 Stud, 335 mm PCD	5	BPW ECO Plus Hub-H/R, KH 9 & 10-12 Tonne	57, 63
0327246282	Hub - 8 Stud 275 PCD - Dual Wheels - 8 Stud, 275 mm PCD	4	BPW ECO Plus Hub-H/R, KH 9 & 10-12 Tonne	57
0327246390	Hub - KH10 8 Stud 275 PCD -D/AL Drum - 8 Stud, 275 mm PCD	4	BPW ECO Plus Hub-H/R, KH 9 & 10-12 Tonne	57, 63
327227410	Hub - 10/225 D/ALU ECO NR/KH - 10 Stud, 225 mm PCD	5	BPW ECO Hub KH/KR Axle 19.5 360 x 200 mm Brakes	49

SAF Holland

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
3307305200	Hub - INTRADRUM - 10 x 335 PCD - 10 Stud, 335 mm PCD	5	SAF Holland Z9-4218 NG Axle (Used on Intradrum) - Dual Wheels	181
3307305700	Hub - INTRADRUM - 10 x 285.75 PCD - 10 Stud, 285 mm PCD	5	SAF Holland Z9-4218 NG Axle (Used on Intradrum) - Dual Wheels	181
3307305001	Hub - 8 Stud 275 PCD - 8 Stud, 275 mm PCD	4	SAF Holland Z9-3720 - (Brake SNK 367 x 200) Axle - Dual Wheels	185
1398005600	Hub - 5 Spoke - 5 Stud	2	SAF Holland J-Series-K2 Spider Hub	189

HENDRICKSON

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PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
98818-057	Hub - Aluminium	5	Hendrickson 22.5 HP Drum PreSet 10 Stud 285 PCD	243
98818-055	Hub - Aluminium	4	Hendrickson 19.5 & 22.5 HN Drum PreSet 8 Stud 275 PCD	245
98818-056	Hub - Aluminium	5	Hendrickson 19.5 & 22.5 HN Drum PreSet 10 Stud 285 PCD	245
98818-058	Hub - Aluminium	5	Hendrickson 19.5 & 22.5 HN Drum PreSet 10 Stud 335 PCD	245
98818-059	Hub - ADI	5	Hendrickson 22.5 HP Drum PreSet 10 Stud 285 PCD	247
98818-060	Hub - Ductile Iron	5	Hendrickson 22.5 HP Drum PreSet 10 Stud 335 PCD	247
98818-064	Hub - ADI	5	Hendrickson 22.5 HXL2 & HXL5 Drum PreSet 10 Stud 285 PCD	249
98818-065	Hub - Ductile Iron	5	Hendrickson 22.5 HXL2 & HXL5 Drum PreSet 10 Stud 335 PCD	249
98818-049	Hub - ADI	5	Hendrickson 22.5 HXL7 Drum PreSet 10 Stud 285 PCD	251
98818-061	Hub - Ductile Iron	5	Hendrickson 22.5 HXL7 Drum PreSet 10 Stud 335 PCD	251

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

DRUM BRAKE HUBS



Type 1 3 Spoke | Type 2 5 Spoke | Type 3 6 Spoke | Type 4 8 Stud ISO | Type 5 10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
KH3601/GF	Hub - 5 Spoke TN - 5 Stud	2	FUWA K Hitch KF22 & KF29 Drum Brake Axle	87, 277, 279, 287, 291, 295, 315, 325, 333, 337
KH3601/FF	Hub - 5 Spoke TP - 5 Stud	2	FUWA K Hitch KF22 & KF29 Drum Brake Axle	95, 103, 109, 339
KH3601-3011	Hub - 10 x 335 TN Short Stud - 10 Stud, 335 mm PCD	5	FUWA K Hitch KF22, KF29 & KF61 Drum Brake Axle	87
H31-0521	Hub - 10 x 285 Unitised Long Stud - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF22 & KF29 Drum Brake Axle	99
KH3601-0101Z	Hub - 10 x 335 TP Long Stud - 10 Stud, 335 mm PCD	5	FUWA K Hitch KF21, KF22 & KF29 Drum Brake Axle	95, 103, 109
KH3601-0302	Hub - 10 x 285 TP Short Stud - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF21, KF22 & KF29 Drum Brake Axle	95, 103, 109
KH3601-0302Z	Hub - 10 x 285 TP Long Stud - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF21, KF22 & KF29 Drum Brake Axle	95, 103, 109
KH800229	Hub - 10 x 335 HD TN - 10 Stud, 335 mm PCD	5	FUWA K Hitch KF75 Drum Brake 150 Square HD Axle	111
KH3601/GF	Hub - 5 Spoke - 5 Stud	2	Dana Spicer D21, D22, K21 & K22 (420 x 180mm) Brakes Also suits Rockwell TN Axle 12-¼" x 7-½" & Fuwa K Hitch KF22 & KF29 Drum Brake Axle	87, 277, 279, 287, 291, 295, 315, 325, 333, 337
KH3601/FF	Hub - 5 Spoke - 5 Stud	2	Fruehauf Pro-Par Axle - 16-½" x 7" brakes	95, 103, 109, 339

YORK

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
79787705	Hub - Steel 8 x 275 PCD (O/B) - 8 Stud, 275 mm PCD	4	York 2950 Drum Axles	165
79788805	Hub - Steel 10 x 335 PCD (M22) - 10 Stud, 335 mm PCD	5	York 2800 Heavy Duty Drum Axles	161
79787531	Hub - Steel 10 x 285 PCD - 10 Stud, 285 mm PCD	5	York 2782 / 2784 / RB / 2785 Stud Type Drum Axles	151
79792161	Hub - Steel 10 x 225 PCD (I/B) - 10 Stud, 225 mm PCD	5	York 2950 Drum Axles	165
7910008846	Hub - Alum 8 x 275 PCD (Preset) - 8 Stud, 275 mm PCD	4	York 2950 Drum Axles	165

MERITOR

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
T04-3361	Hub - 6 Spoke (No Longer Available) - 6 Stud	3	Rockwell TN Axle 12-¼" x 7-½"	181

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

DISC BRAKE HUBS



Type 1 3 Spoke | Type 2 5 Spoke | Type 3 6 Spoke | Type 4 8 Stud ISO | Type 5 10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

TRANSPEC

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
0327246380	Hub - SKH10 8 Stud 275 PCD -D/AL Disc - 8 Stud, 275 mm PCD	4	BPW ECO Plus 3 Hub Disc Brake 10-12 Tonne	65
0327243470	Hub - SH101 10 Stud 335 PCD -D/AL Disc Push In - 10 Stud, 335 mm PCD	5	BPW ECO Plus 3 Hub Disc Brake 10-12 Tonne	59, 65
0327244510	Hub - NH101 10 Stud 225 PCD -D/AL - 10 Stud, 225 mm PCD	5	BPW ECO Plus 3 Hub Disc Brake 10-12 Tonne	65
0332876510	Hub - 3 Spoke Spider H/R10 - 6 Stud	1	BPW ECO Plus 3 Hub Disc Brake 10-12 Tonne	39, 63
0327232030	Hub - 10/335 Steel (Suits Press In Stud) - 10 Stud, 335 mm PCD	5	BPW ECO Hub Disc Brake -SH/SKH 9 Tonne	51, 55
0327232040	Hub - 10/335 Alloy (Suits Press In Stud) - 10 Stud, 335 mm PCD	5	BPW ECO Hub Disc Brake -SH/SKH 9 Tonne	55
0327228770	Hub - 10/285 Steel (Suits Back Nut Stud) - 10 Stud, 285 mm PCD	5	BPW ECO Hub Disc Brake -SH/SKH 9 Tonne	55
0327247440	Hub - 10 Stud 285 mm PCD	5	BPW ECO Plus 3 Hub Disc Brake 10-12 Tonne	59, 65

Fuwa KHITCH

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
H31-6101DB	Hub - 10 x 335 TN - 10 Stud, 335 mm PCD	5	FUWA K Hitch FB24 HD Disc Brake Axle Pan 22	131
H31-D201	Hub - 10 x 285 TP - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF23 Disc Brake Axle Pan 22	127
FW336	Hub - 5 Spoke TP - 5 Stud	2	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW352	Hub - 5 Spoke Unitised - 5 Stud	2	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	
FW428	Hub - 8 x 275 TN - 8 Stud, 275 mm PCD	4	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW429	Hub - 10 x 285 TN - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW431	Hub - 10 x 285 TP - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW443	Hub - 10 x 335 TN - 10 Stud, 335 mm PCD	5	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW444	Hub - 10 x 335 Unitised - 10 Stud, 335 mm PCD	5	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW473	Hub - 10 x 285 Unitised - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123
FW497	Hub - 8 x 275 Unitised - 8 Stud, 275 mm PCD	4	FUWA K Hitch KF26 & KF36 - Disc Brake Axle Pan 19	123

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

DISC BRAKE HUBS



Type 1 3 Spoke | Type 2 5 Spoke | Type 3 6 Spoke | Type 4 8 Stud ISO | Type 5 10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

SAF Holland

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
3307304800	Hub - Integral - 8 x 275 PCD - 8 Stud, 275 mm PCD	4	SAF Holland ZI9-19W Axle - (Wabco Caliper Integral Rotor) - Dual Wheels	197
3307304900	Hub - Integral - 10 x 285 PCD - 10 Stud, 285 mm PCD	5	SAF Holland ZI9-19W Axle - (Wabco Caliper Integral Rotor) - Dual Wheels	197, 199, 203, 207
3307305500	Hub - Integral - 10 x 335 PCD - 10 Stud, 335 mm PCD	5	SAF Holland ZI9-19W Axle - (Wabco Caliper Integral Rotor) - Dual Wheels	197

YORK

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
79SB787348100	Hub - 10 x 335 TN - 10 Stud, 335 mm PCD	5	York 2980 P19 Disc Axles	173
79SB787326100	Hub - 8 x 275 TN - 8 Stud, 275 mm PCD	4	York 2980 P19 Disc Axles	173
79787328	Hub - 10 x 285 TN - 10 Stud, 285 mm PCD	5	York 2980 P19 Disc Axles	173

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PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
C-33874-4	Hub & Rotor Kit	4	Hendrickson 19.5 & 22.5 Conventional HN Disc Brake 8 Stud 275 PCD	261
C-34578-4	Hub & Rotor Kit	5	Hendrickson 19.5 & 22.5 Conventional HN Disc Brake 10 Stud 335 PCD	261
98801-076	Hub & Rotor Kit ComMet Aluminium Hub	5	Hendrickson 22.5 PreSet HN Disc Brake 10 Stud 285 PCD	263
98818-066	Hub & Rotor Kit ComMet Aluminium Hub	5	Hendrickson 19.5 & 22.5 HXL2 & HXL5 HN Disc Brake 10 Stud 285 PCD	265
98818-067	Hub & Rotor Kit Ductile Iron Aluminium Hub	5	Hendrickson 19.5 & 22.5 HXL2 & HXL5 HN Disc Brake 10 Stud 335 PCD	265
98818-068	Hub & Rotor Kit Ductile Iron Aluminium Hub	4	Hendrickson 19.5 & 22.5 HXL2 & HXL5 HN Disc Brake 8 Stud 275 PCD	265
98818-062	Hub & Rotor Kit	5	Hendrickson 19.5 & 22.5 HLX7 HP Disc Brake 10 Stud 285 PCD	267
98818-063	Hub & Rotor Kit	5	Hendrickson 19.5 & 22.5 HLX7 HP Disc Brake 10 Stud 335 PCD	267
98818-069	Hub & Rotor Kit	5	Hendrickson 19.5 & 22.5 HLX7 HP Disc Brake 10 Stud	267

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

HUB & DRUM ASSEMBLIES



Type 1
3 Spoke

Type 2
5 Spoke

Type 3
6 Spoke

Type 4
8 Stud ISO

Type 5
10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

Fuwa
KHITCH

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
KH3600-0103Z	Hub & Drum Assembly – Long Stud - 10 Stud	5	FUWA K Hitch KF21 HD Drum Brake Axle (22.5")	93, 103, 107
KH3600-0303Z	Hub & Drum Assembly – Long Stud - 10 Stud	5	FUWA K Hitch KF21 HD Drum Brake Axle (22.5")	93, 103, 107
KH3600-3008	Hub & Drum Assembly – Short Stud - 10 Stud	5	FUWA K Hitch KF22 & KF29 Drum Brake Axle (22.5") - TN	87
KH3601-3010	Hub & Drum Assembly – 10 x 285 TN – Short Stud - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF22 & KF29 Drum Brake Axle (22.5") - TN	87, 119
KH3601-3010Z	Hub & Drum Assembly – 10 x 285 ISO Steel - 10 Stud, 285 mm PCD	5	FUWA K Hitch KF22 & KF29 Drum Brake Axle (22.5") - TN	87, 119
H30-9901	Hub & Drum Assembly - Short Stud - 8 Stud	4	FUWA K Hitch KF37 Drum Brake Axle (19.5") - TN	83
H31-9901Z	Hub & Drum Assembly – Long Stud - 8 Stud	4	FUWA K Hitch KF37 Drum Brake Axle (19.5") - TN	83
H30-9901Z	Hub & Drum Assembly - Long Stud - 8 Stud	4	FUWA K Hitch KF37 Drum Brake Axle (19.5") - TN	83
KH3600/GF	Hub & Drum Assembly - 5 Stud	2	Dana Spicer D21, D22, K21 & K22 (420 x 180 mm) Brakes	87, 277, 279, 287, 291, 295, 325, 315, 333, 337
001-70003	Hub & Drum Assembly - 3 Spoke - 6 Stud	1	Dana Spicer Late/Standard Forge - 12-¼" x 7-½" Brakes (Fabricated Shoes)	79
KH3600/FF	Hub & Drum Assembly - 5 Spoke - 5 Stud	2	Fruehauf Pro-Par Axle - 16-½" x 7" Brakes	93, 103, 107, 339
KH3601-0302Z	Hub & Drum Assembly – 10 x 285 ISO Steel - 10 Stud, 285 mm PCD	5	TMC Hub Drum Brake Axle TP Model 245-167 (16.5" x 7")	95, 103

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

HUB & DRUM ASSEMBLIES



Type 1 3 Spoke | Type 2 5 Spoke | Type 3 6 Spoke | Type 4 8 Stud ISO | Type 5 10 Stud ISO

Refer to the PACCAR Parts Trailer Parts Catalogue Volume 1 for Further Information on Hub, Drum or Disc Part Applications

HENDRICKSON
The World Rides On Us®

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
98792-013	Hub & Drum Assembly - 5 Stud	2	Hendrickson 15 & 16.5 Drum Foundation Brake	233, 241

MERITOR
RUN WITH THE BULL

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE
T04-3319M	Hub & Drum Assembly - GP - 5 Stud	2	Meritor TN/TQ Axle - Fabricated Brake Spider - 16-½" x 7" Brakes (98792-013 No Longer Available - Hub Only superseded by KH3601/GF)

SAF Holland

PART NO.	DESCRIPTION	TYPE*	AXLE TYPE	VOLUME 1 PAGE
79SB792313	Hub & Drum Assembly - Spider - 6 Stud	1	York 2783 Drum Axles (TMC Hub)	157

*** TYPE REFERS TO ABOVE ILLUSTRATION OF HUBS**

NOTES

NOTES

DUST COVERS



HENDRICKSON TYPE

HENDRICKSON
The World Rides On Us®

HENDRICKSON DRUM BRAKE DUST COVERS				
PART NO.	**DESCRIPTION**	**AXLE MODEL**	**QTY/AXLE**	**COMMENTS**
S-28500-1550	Brake Dust Shield Kit 15" x 5" Axle	Q-Brake - 15" & 16.5" Drum Brake	2	Includes dust shield, clamp, grommet & inspection plugs
S-28500-1650	Brake Dust Shield Kit 16.5" x 5" Axle	P-Brake - 16.5" Drum Brake	2	
S-28500-1657	Brake Dust Shield Kit 16.5" x 5.75" Axle	P-Brake - 16.5" Drum Brake	2	

HENDRICKSON DISC BRAKE DUST COVERS				
PART NO.	**DESCRIPTION**	**AXLE MODEL**	**QTY/AXLE**	**COMMENTS**
S-28570-3750	Kit, Clamp On Type Dust Shield – Disc Brake	Disc Brake Caliper & System Wabco HTD-377mm – 19.5	2	Suits 127 mm (5") Axle, includes Clamp
S-28570-4350	Kit, Dust Shield – Disc Brake	Disc Brake Caliper & System Knorr-Bremse – 22.5	2	Suits 127 mm (5") Axle, includes Clamp
S-28570-4357		Disc Brake Caliper & System Knorr-Bremse – 22.5	2	Suits 146 mm (5.75") Axle, includes Clamp
S-35720-4415		Disc Brake Caliper & System MAXX22T HDT-415mm – 22.5	2	Includes Bolts & Washers
S-36224-4375		Disc Brake Caliper & System Wabco HTD-377mm – 19.5	2	Bolt on type, includes Bolts & Washers
S-36224-4430	Kit, Dust Shield – Bolt-On Disc Brake	Disc Brake Caliper & System Wabco HTD-430mm – 22.5	2	Bolt on type, includes Bolts & Washers

YORK

YORK DRUM BRAKE DUST COVERS			
PART NO.	**DESCRIPTION**	**AXLE MODEL**	**QTY/AXLE**
79501576	Dust Cover - RH	2783 Drum Axles	2
79501577	Dust Cover - LH	2783 Drum Axles	2
79506414	Dust Cover - LH & RH	2950 Drum Axles	4
79786335	Dust Cover - Lower	2682 / RB / 2685 Outback Stud Type Drum Axles	2
79786336	Dust Cover - Upper	2682 / RB / 2685 Outback Stud Type Drum Axles	2
79790069	Dust Cover - LH (8021/8003)	2800 Heavy Duty Drum Axles	2
79790070	Dust Cover - RH (8021/8003)	2800 Heavy Duty Drum Axles	2
49FHM08125016	Screw Dust Cover M8x16	2783, 2950, 2682, 2685, 2800 Axles	12
79500848	Plug Dust Cover	2783, 2682, 2685, 2800 Axles	2

DUST COVERS



SAF HOLLAND TYPE

SAF HOLLAND

SAF HOLLAND DRUM BRAKE DUST COVERS				
PART NO.	DESCRIPTION	AXLE MODEL	QTY/AXLE	COMMENTS
3005017300	Dust Cover Kit	Z9-4218 NG Axle (Used on Intradrum) - Dual Wheels	2	Inc Mounting Hardware
3005021900		J-Series-K2 Hub (10 x 285.75PCD)	2	
3005017100		Z9-3720 - (Brake SNK 367 x 200) Axle - Dual Wheels	2	

MERITOR
RUN WITH THE BULL

MERITOR DRUM BRAKE DUST COVERS				
PART NO.	DESCRIPTION	AXLE MODEL	QTY/AXLE	COMMENTS
T02-5100	Dust Cover	ARN/ATN, 4000/6000, RN/TN,	2	Same as Early GP AXLE
21008062		TN/TM Axle with Cast Spiders to June 1991	2	
21008063		TN/TM Axle with Cast Spiders to June 1991	2	
21205639	Seal Dust Cover	TN/TM Axle with Cast Spiders to June 1991	2	
21220647	Dust Cover	TE/TN/TM Axle with Fabricated Spider from June 1991	2	
21220648		TE/TN/TM Axle with Fabricated Spider from June 1991	2	
21224522		TM Axle with Fabricated Brake Spider from Aug 1997	2	
15224518	Dust Cover Filler Plate	TM Axle with Fabricated Brake Spider from Aug 1997	2	Used with 21224522
E-9095A	Dust Cover Kit	TN/TQ Axle - Fabricated Brake Spider	2	Inc Hardware, Fits Most Meritor Axles with Fabricated Brake Spider

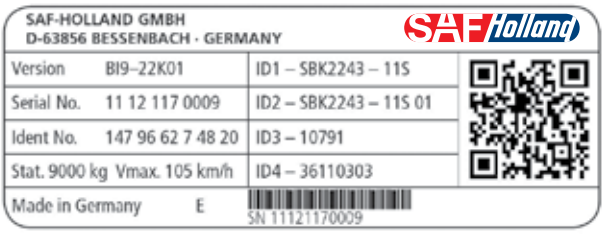
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Our suspension systems have leading-edge technology that greatly enhance product value and service life to the end-user. Backed with exemplary service support and the best warranty in the market, you can depend on SAF-HOLLAND to keep you on the road to success.

Type plate: Identifying the axle





Identification if the type plate is missing:
The Serial No. of the axle is embossed in the axle end on the right-hand side (as seen in the direction of travel).



INTRA
AIR SUSPENSION SYSTEM



MODUL
AIR SUSPENSION SYSTEM

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SAF-HOLLAND is one of the leading global manufacturers and suppliers of high-quality axles and suspension systems, fifth wheels, kingpins, coupling products and landing gear to the commercial vehicles industry.

DUST COVERS



EARLY GP AXLE TYPE

EARLY GP AXLE DUST COVERS			
PART NO.	**DESCRIPTION**	**AXLE MODEL**	**QTY/AXLE**
T02-5100	Dust Cover	Dana, Meritor, Fruehauf, McGrath, Freighter, KIC,Haulmark	2

FUWA K HITCH DRUM BRAKE DUST COVERS			
PART NO.	**DESCRIPTION**	**AXLE MODEL**	**QTY/AXLE**
H18-0101	Dust Cover	KF12, KF21, KF22, KF29, KF61 Drum Brake Axle	2
H18-0104		KF75, KF85 Drum Brake 150 HD Axle	2
H18-0204		KK44 Drum Brake Axle (Low Loader)	2
H18-0401		KF37 Drum Brake Axle (19.5")	2
M8X16X1.75	Bolt	All Axle Models	12
KH800055	Spring Washer	All Axle Models	12

DUST COVERS



TRANSPEC

SUITS 4218 BRAKES						
LEFT UPPER	LEFT LOWER	RIGHT UPPER	RIGHT LOWER	BRAKE TYPE	S CAM POSITION	AXLE TYPE
0301098451	0301098080	0301098461	0301098090	Pre BPW Brake 95	30°	Square Beam 120mm
0301099340	0301099330	0301099360	0301099350		16°	
0301098910	0301098120	0301098920	0301098130		25°	Square Beam 150mm
0301098690	0301098060	0301098700	0301098050		30°	Round Beam 127mm
0301081030	0301081040	0301081010	0301081020	BPW Brake 95	30°	Square Beam 120mm
0301081310	0301081320	0301081290	0301081300		16°	
0301081350	0301081360	0301081330	0301081340		25°	Square Beam 150mm
0301081070	0301081080	0301081050	0301081060		30°	Round Beam 127mm
0301081310 (1)	0301081320 (1)	0301081290 (1)	0301081300 (1)	BPW Eco Drum	16°	Square Beam 120mm
0301071930 (2)	0301071940 (2)	0301071910 (2)	0301071920 (2)		16°	
0301071970 (2)	0301071980 (2)	0301071950 (2)	0301071960 (2)		25°	Square Beam 150mm

SUITS 4218 BRAKE HARDWARE				
PART NO.	DESCRIPTION	QTY/AXLE	DIMENSIONS	COMMENTS
0339711020	Retaining Spring	2		ECO Drum / Beam
0250715580	Bolt Dust Cover Self Locking	2	M10 x 1.5 x 15	ECO Drum / Beam
0250712200	Bolt Dust Cover Self Locking	4	M10 x 18	NON ECO Drum Beam
0237043300	Plug, No ABS	2	10.7mm Diameter	Pre BPW Brake 95
0237045700	Plug, No ABS	2	22mm Diameter	Brake 95 & ECO Drum
0312023060	O'Ring Seal	2	68mm OD x 52mm ID	On S-Cam
0512130060	Seal - Dust cover to Axle	2	340mm long x 8mm	120mm SQ & 127mm Round for all brake types
0512130070	Seal - Dust cover to Axle	2	450mm long x 8mm	150mm SQ Axle
0337900230	Plug Rubber Backing Plate	4		Rectangular

DUST COVERS



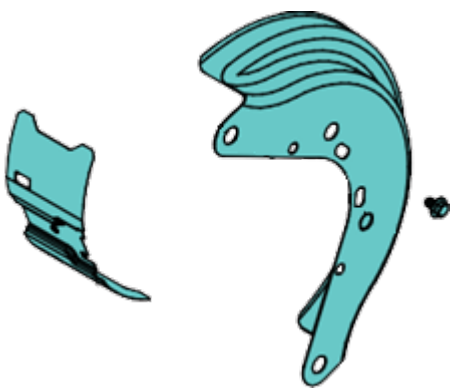
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SUITS 3620 BRAKES							
LEFT UPPER	LEFT LOWER	RIGHT UPPER	RIGHT LOWER	BRAKE TYPE	S CAM POSITION	AXLE TYPE	QTY/AXLE
0301096670	0301096680	0301096700	0301096690	Pre BPW Brake 95	0°	Square Beam 120mm	1
0301099790	0301099800	0301099770	0301099780	BPW Brake 96	0°	Square Beam 120mm	1

SUITS 3020 BRAKES							
LEFT UPPER	LEFT LOWER	RIGHT UPPER	RIGHT LOWER	BRAKE TYPE	S CAM POSITION	AXLE TYPE	QTY/AXLE
0301096800	0301096790	0301096820	0301096810	Pre BPW Brake 95	0°	Round Beam 127mm	1

SUITS 3620 & 3020 BRAKE HARDWARE				
PART NO.	DESCRIPTION	QTY/AXLE	DIMENSIONS	COMMENTS
0250712200	Bolt dust cover self locking	8	M10 x 18	
0237043300	Plug no ABS	2	10.7mm Diameter	
0512130060	Seal - Dust cover to Axle	2	340mm long x 8mm	120mm SQ & 127mm Round for all brake types
0337900230	Plug rubber backing plate	4		Rectangular

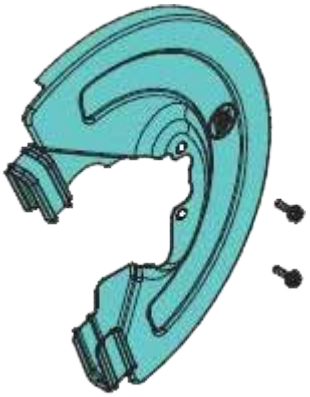
DUST COVERS



SB3745



SB3745T & SB4309T



TSB3709 & TSB4309

TRANSPEC

BPW DISC BRAKE AXLE DUST COVERS & HARDWARE				
PART NO.	**DESCRIPTION**	**QTY/AXLE**	**DIMENSIONS**	**COMMENTS**
0301091530	Dust Cover	2	SB3745 Axial	
0301091740		2	SB3745T Tangential	
0301091760		2	SB4309T Tangential	
0301071590	Dust Cover LH	1	TSB3709	
0301071600	Dust Cover RH	1	TSB3709	
0301071610	Dust Cover LH	1	TSB4309	
0301071620	Dust Cover RH	1	TSB4309	
0250712200	Retainer Bolt M10 x 15	2	All	2- Axial
0250712200	Retainer Bolt M10 x 15	4	All	4 -Tangential & TSB
0301095210	Pad Shield	2	3745	

NOTES

BEARING SETS



CUP AND CONE				
SET NO.	APPLICATION	I.D.	O.D.	HIGH PERF. VERSION
32310	9T BPW Trailer Outer	50mm	110mm	
33116	9T BPW Trailer Inner	80mm	130mm	
33118	10T BPW Trailer Inner	90mm	150mm	SET 998
33213	10T BPW Trailer Outer	65mm	120mm	SET 997

BEARING CHOICES		
BRAND	PREFIX	SUFFIX
TRP*	TRP	
Timken		T1M
SKF		SKF
Meritor	MER	

CUP AND CONE						
SET NO.	APPLICATION	CONE	CONE I.D.	CUP	CUP O.D.	HIGH PERF. VERSION
SET413*	GP Trailer Inner	HM212049	66.675mm	HM212011	122.238mm	SET440
SET414*	GP Trailer Outer	HM218248	89.974mm	HM218210	146.975mm	SET441
SET415*	Propar Trailer Inner/Outer	HM518445	88.90mm	HM518410	152.40mm	SET444
SET427	GP Trailer Inner Set Right	NP899357	66.67mm	NP026773	122.23mm	SET603
SET431	GP Trailer Inner Set Right	NP965350	89.97mm	NP503727	146.97mm	SET602
SET432	Propar Trailer Inner/Outer Set Right Pre-Adjust	NP174964	88.90mm	NP593561	152.40mm	SET604



UNITISED BEARING CARTRIDGE				
SET NO.	AXLE TYPE	COMMENT	DIMENSIONS	BEARING TYPE
BTH-0055D	KF12	9T	Width: 115 mm, ID: 82 mm, OD: 140 mm	Unitised
BTH-0500	KF22-KF29	11T	Width: 125 mm, ID: 90 mm, OD: 160 mm	Unitised

I.D. - INSIDE DIAMETER O.D. - OUTSIDE DIAMETER PERF. - PERFORMANCE

BEARING KITS



TRANSPEC

BPW BEARINGS & SEAL KITS

Kit includes: All required bearings, hub seals, dust cover bearing shields, thrust washers, washers, dust seals, o'rings & seal carriers. Kits to repair one hub.

PART NO.	APPLICATION	SEAL CARRIER INCLUDED?
0980102180TSSCO	To Suit 10 Tonne Non ECO Oil Hub	Y
0980102180TSSC	To Suit 10 Tonne Non ECO Grease Hub	Y
0980102170TSCC	To Suit 9 Tonne Non ECO Grease Hub	Y
0980102720TS	To Suit 9 Tonne ECO Grease Hub	N
0980102720TSSC	To Suit 9 Tonne ECO Grease Hub	Y
0980106890TS	To Suit 10 Tonne ECO Grease Hub	N
0980106890TSSC	To Suit 10 Tonne ECO Grease Hub	Y
0980106360TS	To Suit 9 Tonne ECOPlus Grease Hub	N
0980107040TS	To Suit 10 Tonne ECOPlus Grease Hub	N
0980107040TSSC	To Suit 10 Tonne ECOPlus Grease Hub	Y
0980107050TS	To Suit 10 Tonne ECOPlus 3 Grease Hub	N
0980107050TSSC	To Suit 10 Tonne ECOPlus 3 Grease Hub	Y

Please note: These kits do not include hubcaps, axle nuts or circlips

BPW WHEEL END KITS

Kit includes: All required bearings, hub seals, dust cover bearing shields, thrust washers, washers, dust seals, o'rings, seal carriers, axle nut kit & BPW ECO-LiPlus grease 450g cartridge. Kit to repair one hub.

PART NO.	APPLICATION	SEAL CARRIER INCLUDED?
0980107040TSSCT	To Suit 10 Tonne ECOPlus Grease Hub	Y
0980107050TSSCT	To Suit 10 Tonne ECOPlus 3 Grease Hub	Y

BEARING KITS



HENDRICKSON
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HENDRICKSON BEARINGS & SEAL KITS		
PART NO.	**APPLICATION**	**INCLUSIONS**
97098-002	Preset HN Drum & Disc Brake Wheel End – 19.5" & 22.5"	Bearings, Spacer, Gasket & Seal
97098-003	Preset HP Drum Brake Wheel End – 22.5"	Bearings, Spacer, Gasket & Seal
98800-010	Conventional HN Drum & Disc Brake Wheel End – 19.5" & 22.5"	Bearings, Gasket & Seal
98800-011	Conventional HP Drum Brake Wheel End – 22.5"	
98801-067	HXL2 & HXL5 HP Drum Brake Wheel End – 22.5"	
98801-074	HXL2 & HXL5 HN Drum & Disc Brake Wheel End – 19.5" & 22.5"	
98801-075	HXL7 HP Drum & Disc Brake Wheel End – 22.5"	



SAF Holland

SAF HOLLAND BEARINGS & SEAL KITS		
PART NO.	**APPLICATION**	**DESCRIPTION**
3434301600	J-Series-K2 Hub 10x285 & Spider Hub	Bearing & Seal Kit
3434301700	J-Series-K2 Hub 10x285 & Spider Hub	
3434301918	Z9-4218 NG Axle (used on Intradrum) – Dual Wheels	
3434302218	ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) – Dual Wheels	Intra Integral Bearing & Seal Kit
	ZI9-22K01 - (Brake SBK 2243-11S) – SK7 – Dual Wheels	Repair Kit Wheel Bearing
	ZIL9-19W - (Brake SBW PAN 19-1) Steer Axle – Dual Wheels	Repair Kit Wheel Bearing
4200006000	J-Series-K2 Hub 10x285 & Spider Hub	Outer Wheel Bearing 33213
4200100600	J-Series-K2 Hub 10x285 & Spider Hub	Inner Wheel Bearing 218248/210

BEARING KITS



TIMKEN
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TIMKEN BEARING KITS					
KIT PART NO.	**APPLICATION**	**QTY/KIT**	**PART**	**DESCRIPTION**	**SET NO.**
WBK1TST0	G.P Trailer Axle Oil & Grease Hub	1	HM218248	Inner Cone	Set 414
		1	HM218210	Inner Cup	
		1	HM212049	Outer Cone	Set 413
		1	HM212011	Outer Cup	
		1	373-0143	Stemco Voyager Hub Seal	
WBK1TSTG	G.P Trailer Axle Grease Hub	1	HM218248	Inner Cone	Set 414
		1	HM218210	Inner Cup	
		1	HM212049	Outer Cone	Set 413
		1	HM212011	Outer Cup	
		1	STM-0743G	Stemco Grease Hub Seal	
WBK1TCR	G.P Trailer Axle Oil & Grease Hub	1	HM218248	Inner Cone	Set 414
		1	HM218210	Inner Cup	
		1	HM212049	Outer Cone	Set 413
		1	HM212011	Outer Cup	
		1	46305S	CR Hub seal	
WBK1TCRP	G.P Trailer Axle Oil & Grease Hub	1	HM218248	Inner Cone	Set 414
		1	HM218210	Inner Cup	
		1	HM212049	Outer Cone	Set 413
		1	HM212011	Outer Cup	
		1	46300	CR 'XL' Hub Seal	
WBK2PST	Propar Axle Oil & Grease Hub	2	HM518445	Inner & Outer Cone	Set 415
		2	HM528410	Inner & Outer Cup	
		1	373-0123	Stemco Voyager Hub Seal	
WBK2PSG	Propar Axle Grease Hub	2	HM518445	Inner & Outer Cone	Set 415
		2	HM528410	Inner & Outer Cup	
		1	307-0723	Stemco Guardian Hub Seal	
WBK2PSTG	Propar Axle Grease Hub	2	HM518445	Inner & Outer Cone	Set 415
		2	HM528410	Inner & Outer Cup	
		1	STM-0723TGS	Stemco Grease Hub Seal	
WBK2PCR	Propar Axle Oil & Grease Hub	2	HM518445	Inner & Outer Cone	Set 415
		2	HM528410	Inner & Outer Cup	
		1	42623S	CR Hub seal	
WBK2PCRP	Propar Axle Oil & Grease Hub	2	HM518445	Inner & Outer Cone	Set 415
		2	HM528410	Inner & Outer Cup	
		1	42627	CR 'XL' hub seal	

BEARING KITS



TIMKEN
Stronger. By Design.

TIMKEN SET RIGHT PRE-ADJUSTED BEARING KITS

KIT PART NO.	APPLICATION	QTY/KIT	PART	DESCRIPTION	SET NO.	SPACER INCLUDED?
WBK6TST	G.P Trailer Axle Oil & Grease Hub	1	NP965350	Inner Cone	Set 431	Yes
		1	NP503727	Inner Cup		
		1	NP899357	Outer Cone	Set 427	
		1	NP026773	Outer Cup		
		1	373-0143	Stemco Grease Hub Seal		
WBK6TSG	G.P Trailer Axle Grease Hub	1	NP965350	Inner Cone	Set 431	Yes
		1	NP503727	Inner Cup		
		1	NP899357	Outer Cone	Set 427	
		1	NP026773	Outer Cup		
		1	STM-0743G	Stemco Grease Hub Seal		
WBK6TCRP	G.P Trailer Axle Oil & Grease Hub	1	NP965350	Inner Cone	Set 431	Yes
		1	NP503727	Inner Cup		
		1	NP899357	Outer Cone	Set 427	
		1	NP026773	Outer Cup		
		1	46305S	CR Hub Seal		
WBK9PST	Propar Axle Oil & Grease Hub	2	NP174964	Inner Cone	Set 432	Yes
		2	NP593561	Inner Cup		
		1	373-0123	CR 'XL' Hub Seal		
WBK9PSG	Propar Axle Grease Hub	2	NP174964	Inner & Outer Cone	Set 432	Yes
		2	NP593561	Inner & Outer Cup		
		1	307-0723	Stemco Guardian Hub Seal		
WBK9PSTG	Propar Axle Grease Hub	2	NP174964	Inner & Outer Cone	Set 432	Yes
		2	NP593561	Inner & Outer Cup		
		1	STM-0723TGS	Stemco Grease Hub Seal		
WBK9PCR	Propar Axle Oil & Grease Hub	2	NP174964	Inner & Outer Cone	Set 432	Yes
		2	NP593561	Inner & Outer Cup		
		1	42623S	CR Hub Seal		
WBK9PSRP	Propar Axle Oil & Grease Hub	2	NP174964	Inner & Outer Cone	Set 432	Yes
		2	NP593561	Inner & Outer Cup		
		1	42627	CR 'XL' Hub Seal		

BEARING KITS



TRP BEARINGS & SEAL KITS					
TRP PART NO.	**DESCRIPTION**	**SKF PART NO.**	**COMPONENT**	**QTY**	**KIT INCLUSIONS**
TRP5821	GP Trailer Axle BRGS/Std Seal/HCAP Kit	VKBA 5762 PC	Bearing	1	BT1-0826
			Bearing	1	BT1-0827
			Seal	1	531922-98
			Hub Cap	1	1643
TRP5822	GP Trailer Axle BRGS/Std Seal/HCAP Kit	VKBA 5763 PC	Bearing	1	VKHB 2702
			Bearing	1	VKHB 2720
			Seal	1	46303
			Hub Cap	1	1343
MORE TRP KITS TO SUIT STEER & DRIVE AXLES					
TRP5807	Drive Axle BRGS/Hi Temp Seal Kit	VKBA 5757PC	Bearing	1	594 A/592 A
			Bearing	1	580/572/Q
			Seal	1	47693
TRP5806	Drive Axle BRGS/Std Seal Kit	VKBA 5758 PC	Bearing	1	594 A/592 A
			Bearing	1	580/572/Q
			Seal	1	47697
TRP5802	Steer Axle BRGS/Std Seal/HCAP Kit	VKBA 5759 PC	Bearing	1	BT1-0827
			Bearing	1	45280/45220/VA6482
			Seal	1	35066
			Hub Cap	1	1613CR
TRP5820	Steer Axle BRGS/Std Seal/HCAP Kit	VKBA 5760 PC	Bearing	1	BT1-0827
			Bearing	1	3782/3720/Q
			Seal	1	35066
			Hub Cap	1	1644
TRP5805	Steer Axle BRG/Std Seal/HCAP Kit	VKBA 5761 PC	Bearing	1	6461A/6420
			Bearing	1	555S/552A
			Seal	1	43764
			Hub Cap	1	1613CR

All TRP bearings and bearing kits are proudly sourced and contain quality SKF components. SKF are the world's largest bearing manufacturer.

BEARING KITS



SKF BEARING KITS							
PART NO.	APP.	INCLUDED SCOTSEAL		ALT PART	LUBRICATION	INNER BEARING	OUTER BEARING
VKBA5809	Trailer	46305	Classic	WBK1TCR	Oil/Grease	HM218248/ W/2A/210/2A/Q	HM212049/011
VKBA5810		46300	Plus XlL	WBK1TCRP	Oil/Grease	HM218248/ W/2A/210/2A/Q	HM212049/011
VKBA5811		46303	Pro	MACK 12	Oil/Grease	HM218248/ W/2A/210/2A/Q	HM212049/011
VKBA5812	Propar	42623	Classic	WBK2PCR	Oil/Grease	HM518445/410	HM518445/410
VKBA5813	Propar	42627	Plus XL	WBK2PCRP	Oil/Grease	HM518445/410	HM518445/410



CONMET PRESET KITS		
AXLE TYPE		DESCRIPTION
TN	TP	
CM10081521	CM10081522	Hub Seal & Spacer Kit
CM10081730	CM10081731	Hub Rebuild Kit (Includes Wheel Seal, Bearing Set & Spacer)

NOTES

NOTES

REMOVAL/INSTALLATION TOOLS

BEARING CUP REMOVER KIT

PART NO.	SUITABLE FOR BEARING CUPS
 GP-TBS-200	HM218210
	HM212011
	33118
	33213
	592
	572

BEARING CUP INSTALLATION KIT

PART NO.	SUITABLE FOR BEARING CUPS
 GP-TBS-100	HM218210
	HM212011
	33118
	33213
	592
	572

INDIVIDUAL REMOVER HEADS

PART NO.	SUITABLE FOR BEARING CUPS	
GP-3720-2	3720	Remover Head Only
GP-45220-2	45220	
GP-552A-2	552A	
GP-6420-2	6420	
GP-32310-2	32310	
GP-2011-2	HM212011	
GP-572-2	572	
GP-592-2	592	
GP-8210-2	HM218210	

INDIVIDUAL INSTALLATION HEADS

PART NO.	SUITABLE FOR BEARING CUPS	
GP-3720-1	3720	Installation Head Only
GP-45220-1	45220	
GP-552A-1	552A	
GP-6420-1	6420	
GP-32310-1	32310	
GP-2011-1	HM212011	
GP-572-1	572	
GP-592-1	592	
GP-8210-1	HM218210	
GP-33116-1	33116	

BEARING CUP REMOVER KIT	BEARING GREASE PACKER	END PLAY GAUGE
 321095	 T13-BP1	 BK211
Universal Bearing Cup Installer	Universal grease packer will suit most industry roller bearings	

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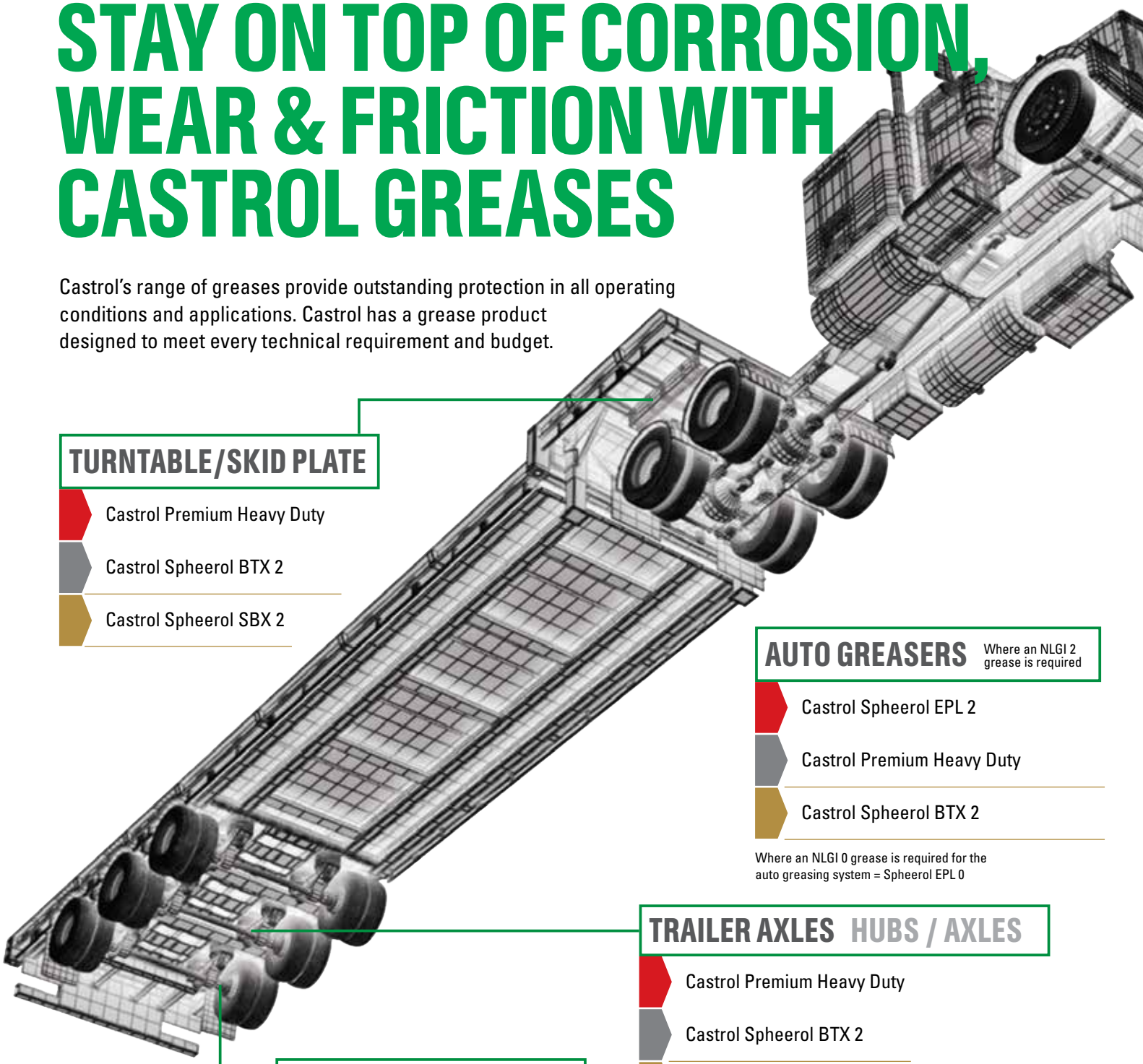
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- Castrol Spheerol SBX 2

* Hub manufacturer dependant (not suitable for Conmet)

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PART NO.		DESCRIPTION	COMMENTS
CAS3364327		Spheerol EPL 2 450g	▪ Suitable for general chassis greasing
CAS3364325		Spheerol EPL 2 2.5kg	
CAS3364326		Spheerol EPL 2 20kg	
CAS3377124		Premium Heavy Duty 450g	▪ Suitable for general purpose chassis, universal joints, wheel bearings, shackles, pins & turntables
CAS3377122		Premium Heavy Duty 2.5kg	
CAS3377123		Premium Heavy Duty 20kg	
CAS3377125		Premium Heavy Duty 55kg	
CAS3377121		Premium Heavy Duty 180kg	
CAS3410566		Spheerol SY 2202 20kg	▪ Synthetic Base Fluid ▪ Top end performance for bearings with high & low temperature fluctuations ▪ High load capability & corrosion protection ▪ Outstanding performance where disc brakes are in use
CAS3424677		Spheerol SY 2202 165kg	

BEARING GREASE

TRANSPEC

PART NO.		DESCRIPTION	COMMENTS
0210404500-450		BPW ECO-Li-Plus 450g	▌Semi Sythentic grease with low friction & long life with excellent resistance to water ingress
0210404700		BPW ECO-Li-Plus 5kg	
0210404900-20		BPW ECO-Li-Plus 20kg	
0210404400		BPW ECO-Li-Plus 180kg	

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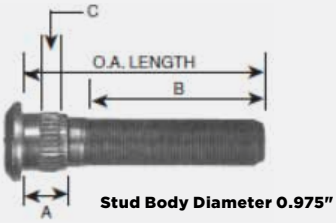
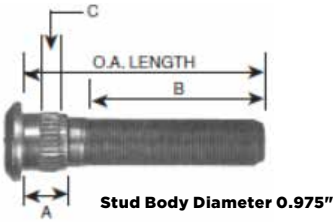
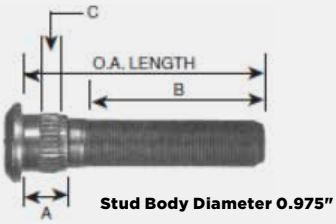
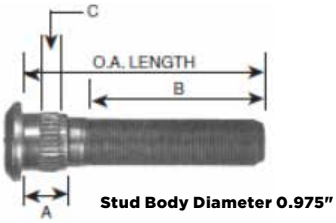
PART NO.		DESCRIPTION	COMMENTS
GR217C		Bearing Grease 400g	▌NLGI No. 2 lithium-complex thickener that resists softening & provides mechanical stability required for demanding applications
GR217P		Bearing Grease 16kg	
GR217K		Bearing Grease 55kg	
GR217D		Bearing Grease 180kg	

NOTES

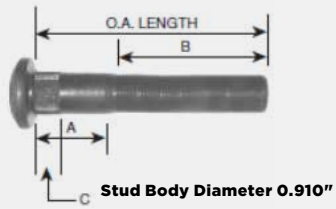
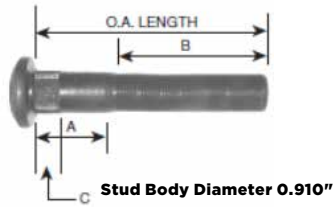
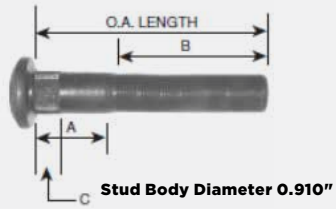
WHEEL NUTS

PART NO.		THREAD	NUT A/F	NUT	OVERALL LENGTH	APPLICATION
	T04-6002	¾" - 10 TPI	1-¼"	32mm	¾" 19mm	Suits Stud T04-6001
	T04-6005	¾" - 12 TPI	1-⅛"	29mm	1" 25mm	Suits Stud T04-6004
	T04-6007AU	⅝" - 11 TPI	1-3⁄16"	30mm	¾" 19mm	Suits Stud T04-6003
	T04-6008AU	⅝" - 11 TPI	1-1⁄16"	27mm	⅝" 16mm	Suits Stud T04-6006
	K169-187	M22 x 1.5	1-5⁄16"	33mm	1-3⁄16" 30mm	Suits ISO Wheel Studs
	KH800096	M22	1-¼"	32mm	1-3⁄16" 30mm	K-Hitch 10 Stud Suits 285 & 335 PCD
	KH800238	M22	1-5⁄16"	33mm	1-3⁄16" 30mm	Optional for K-Hitch 10 Stud Suits 285 & 335 PCD
	H34-0901	M22 x 1.5	1-¼"	32mm	50mm	Optional for K-Hitch 10 Stud Suits 285 & 335 PCD can be used on Long Studs with Steel Wheels
	0326004060	M22 x2.0	1-¼"	32mm	11⁄16" 17mm	BPW Stud Retaining Nut
	0526054100	M22 x 1.5	1-¼"	32mm	1-1⁄16" 27mm	BPW Wheel Retaining Nut
	0526054141	M22 x 1.5	1-¼	32mm	62mm	BPW ECO Hub Disc Brake - SH/SKH 9 Tonne Sleeve Type Nut
	4247301201S	M22 x 1.5	1-¼	32mm	27mm	SAF-Holland ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels
	687732	M22 x 1.5	1-¼	32mm	45mm	Alcoa Nut Dual Wheel
	A-24695	M22 x 1.5	1-¼	32mm	30mm	Hendrickson Axles Standard Nut
	98817-005	M22 x 1.5	1-¼	32mm	50mm	Hendrickson Axles Long Nut

WHEEL STUDS

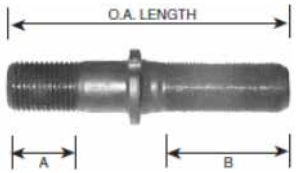
ISO WHEEL STUDS — BODY DIAMETER 0.975"						
PART NO.	A	B	C	THREAD	O.A. LENGTH	APPLICATION
E-6035 	23/32" 18mm	2-11/16" 45mm	3/8" 10mm	M22 x 1.5	3-15/16" 100mm	Drive & Trailer Hubs Webb with Steel Wheels
E-6034 	23/32" 18mm	3-17/32" 90mm	3/8" 10mm	M22 x 1.5	4-25/32" 121mm	Drive & Trailer Hubs Webb with Alloy Wheels
WE8981 	7/8" 22mm	2-29/32" 74mm	1/2" 13mm	M22 x 1.5	4" 102mm	Drive & Trailer Hubs Gunite with Steel Wheels
W1160 (Can use T04-6090) 	7/8" 22mm	3-3/4" 95mm	1/2" 13mm	M22 x 1.5	5-3/32" 130mm	Drive & Trailer Hubs Gunite with Alloy Wheels

WHEEL STUDS

ISO WHEEL STUDS — BODY DIAMETER 0.910"						
PART NO.	**A**	**B**	**C**	**THREAD**	**O.A. LENGTH**	**APPLICATION**
102290  **Stud Body Diameter 0.910"**	1-9/16" 40mm	65mm	13mm	M22 x 1.5	114mm	Drive & Trailer Axle ConMetCo Stud Steel Wheels
102291  **Stud Body Diameter 0.910"**	1-9/16" 40mm	78mm	13mm	M22 x 1.5	126mm	Drive & Trailer Axle ConMetCo Stud Alloy Wheels Centrifuse Brake Drum
102188  **Stud Body Diameter 0.910"**	1-3/4"			M22 x 1.5	100mm	

WHEEL STUDS

TRANSPEC

BPW WHEEL STUDS						
PART NO.	A	THREAD	B	THREAD	O.A. LENGTH	APPLICATION
0329623170 	30mm	M22 x 2.0	50mm	M22 x 1.5	113mm	BPW Trailer Axle Hubs Steel Wheels to Dec 1999
0329623240 	28mm	M22 x 2.0	62mm	M22 x 1.5	136mm	BPW Trailer Axle Hubs Alloy Wheels to Dec 1999
0329633090 	58mm		64mm	M22 x 1.5	122mm	BPW Trailer Axle Hubs Alloy Wheels from Dec 1999
0329633121 				M22 x 1.5	97mm	Steel Wheels
0329633171 				M22 x 1.5	117mm	Aluminium Wheels

WHEEL STUDS

FUWA K HITCH WHEEL STUDS			
PART NO.	**THREAD**	**O.A. LENGTH**	**APPLICATION**
KH800104 	M22	94mm	Stud ISO Steel Wheel
KH800239 	M22	122mm	Stud ISO Wheel
H33-2301 	M22 x 1.5	125mm	Axle BOM until June 2019
H33-2302 	M22 x 1.5	152mm	Option for K Hitch Axles
H33-2401 	M24 x 1.5	140mm	Axle BOM after June 2019

WHEEL STUDS

HENDRICKSON WHEEL STUDS			
PART NO.	**THREAD**	**O.A. LENGTH**	**APPLICATION**
98900-002 	M22 x 1.5	103mm	Stud Long Alloy Wheels R01
98900-005 	M22 x 1.5	126mm	Stud Long Alloy Wheels R1
98900-024 	M22 x 1.5	105mm	Stud Wheel
98900-022 	M22 x 1.5	126mm	Stud Wheel
98900-019 	M22 x 1.5	122mm	Wheel Stud

WHEEL STUDS

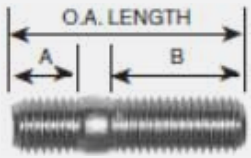
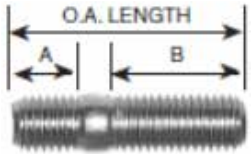
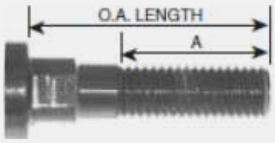
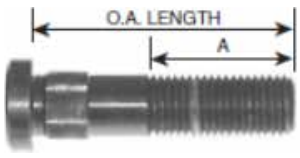
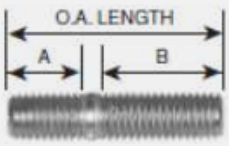


SAF HOLLAND & YORK WHEEL STUDS

PART NO.	THREAD	O.A. LENGTH	APPLICATION
3341292419	M22 x 1.5	112mm	Bolt & Nut Kit
3302114500S	M22 x 1.5	112mm	Suit 10 Stud 'J' SAF
3302114500	M22 x 1.5	112mm	Bolt & Nut Kit
1303111210	M22 x 1.5	112mm	A/Wheel Straight Body
1303111210S	M22 x 1.5	112mm	Wheel stud and nut
1303112810	M22 x 1.5	103mm	Suit integral disc
1303112510	M22X1.5	112	Long Stepped Body suit SKRZ disc
1303107512	M22 x 1.5	104mm	Dual Steel Wheels
79787581	¾" UNC		York *NLA
79786111	M22 x 1.5	100mm	
79786511	M22 x 1.5	124mm	
79786506	M20		JAP RH
79786507	M20		JAP LH
79102190	M22	126mm	Alloy Hub, Long
79792155	M22	100mm	SAE
7979215601	M22	117mm	SAE

***NLA — NO LONGER AVAILABLE**

WHEEL STUDS

VARIOUS WHEEL STUDS						
PART NO.	**A**	**THREAD**	**B**	**THREAD**	**O.A. LENGTH**	**APPLICATION**
T04-6001 	7/8" 22mm	3/4" 10 TPI	1-3/4" 45mm	3/4" 10 TPI	3" 76mm	Most Drive & Trailer Hubs
W855 	7/8" 22mm	3/4" 10 TPI	1-3/4" 45mm	3/4" 10 TPI	3" 76mm	Most Drive & Trailer Hubs
T04-6003 	1-5/8" 41mm	5/8" 11 TPI			3" 76mm	Early McGrath Axles
T04-6004 	1-5/8" 41mm	3/4" 12 TPI			3-1/4" 82mm	Freighter MK V Axles
T04-6006 	7/8" 22mm	5/8" 11 TPI	1-1/2" 38mm	5/8" 11 TPI	2-3/4" 70mm	Drive Axle Stud

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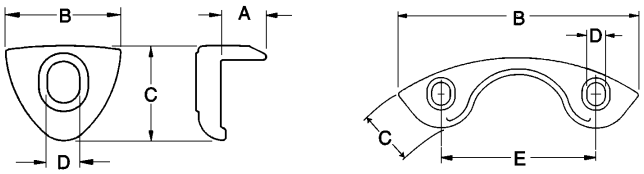
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WHEEL CLAMPS



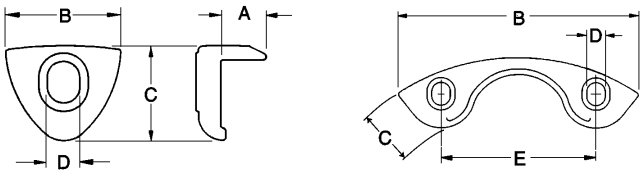
Wheel Clamp part identification is done through dimensional checks as shown in the diagram, and cross referencing to those dimensions noted alongside the part number.

PART NO.	DIMENSIONS					APPLICATION
	A	B	C	D	E	
610 	1-5⁄16″ 33mm	4-1⁄8″ 105mm	1-3⁄4″ 45mm	13⁄16″ 21mm		Malco Drive Axle Hubs
610-1 	15⁄16″ 24mm	4-1⁄8″ 105mm	1-3⁄4″ 45mm	13⁄16″ 21mm		GP Trailer Malco Style
T04-6048 *NA 	1-3⁄16″ 30mm	7-5⁄8″ 198mm	1-3⁄4″ 45mm	13⁄16″ 21mm	4-1⁄2″ 114mm	Webb 15″ 3 Spoke
T04-6051 	1-1⁄8″ 28mm	2-7⁄8″ 73mm	2-3⁄8″ 63mm	13⁄16″ 21mm		GP Trailer Webb Style

PART NO.	DIMENSIONS					APPLICATION
	A	B	C	D	E	
T04-6056 *NA 	1″ 25mm	2-5⁄8″ 67mm	3-1⁄8″ 80mm	11⁄16″ 17mm		Early Freighter
R005885 	1-1⁄4″ 31mm	2-3⁄4″ 70mm	2-3⁄8″ 62mm	13⁄16″ 21mm		Various Truck & Trailer Hubs

NA - NOT AVAILABLE - DISCONTINUED

WHEEL CLAMPS



Wheel Clamp part identification is done through dimensional checks as shown in the diagram, and cross referencing to those dimensions noted alongside the part number.

PART NO.	DIMENSIONS					APPLICATION
	A	B	C	D	E	
T04-6051L 	1-½″ 38mm	2-⅞″ 73mm	2-⅜″ 63mm	13⁄16″ 21mm		GP Trailer Webb Style Longreach version hub
T04-6052 	⅛″ 28mm	9-⅛″ 241mm	2-½″ 63mm	13⁄16″ 21mm	6-⅛″ 155mm	Dayton 20″ Double
T04-6054 	⅛″ 28mm	3″ 76mm	2-½″ 63mm	11⁄16″ 17mm		Early McGrath Hub
T04-6055 *NA 	¾″ 20mm	3-⅓″ 85mm	2-4⁄9″ 62mm	⅞″ 22mm		Freighter MK V

PART NO.	DIMENSIONS					APPLICATION
	A	B	C	D	E	
W866 	1-⅝″ 41mm	2-¼″ 57mm	2-¼″ 57mm	¾″ 19mm		Gunite Drive Hub
WP722 	1-½″ 13mm	2-½″ 63.5mm	3-⅝″ 92mm	¾″ 19mm		Gunite Steer Hub

NA - NOT AVAILABLE - DISCONTINUED

WHEEL RIMS

ALCOA ALUMINIUM WHEELS				
PART NO.	**SIZE**	**FINISH**	**FURTHER DETAIL**	**APPLICATION**
776472DB	19.5" x 7.5"	Polished Inside	Dura-Bright, 24mm Stud Holes	Truck Drive Position & Trailer
812520	22.5" x 11.75"	Machine Finish	'0' offset Trailer Axle	Trailer
818531	22.5" x 11.75"	Polished Outside	Volvo Fitment Only	Volvo Fitment Only – Truck Offset
818551	22.5" x 11.75"	Polished Outside	Retrofit Steer Axle	Truck Steer Position
818561DB	22.5" x 11.75"	Polished Outside	Dura-Bright Steer Axle	Truck Steer Position
822627	22.5" x 11.75"	LvL ONE® Finish	'0' offset Trailer Axle	Trailer
823627	22.5" x 12.25"	LvL ONE® Finish	Steer Axle, 98mm Offset	Truck Steer Position & Trailer
824621	22.5" x 12.25"	Steer Axle	Steer Axle	Truck Steer Position
824621DB	22.5" x 12.25"	Polished Outside	Dura-Bright	Truck Steer Position
882513DB	22.5" x 8.25"	Polished Both Sides	Dura-Bright, Retrofit 22mm Stud, 32mm Hole	Steer, Drive, Trailer
882517	22.5" x 8.25"	LvL ONE® Finish	Retrofit 22mm Stud, 32mm Hole	Steer, Drive, Trailer
882520DB	22.5" x 8.25"	Machine Finish	Dura-Bright	Steer, Drive, Trailer
882523	22.5" x 8.25"	26mm Stud Hole	26mm Stud Hole	Steer, Drive, Trailer
882523DB	22.5" x 8.25"	Polished Both Sides	Dura-Bright, 26mm Stud Hole	Truck Drive Position & Trailer
882533	22.5" x 8.25"	Polished Both Sides	Volvo Fitment Only	Volvo Fitment Only – Truck Drive Position & Trailer
882533DB	22.5" x 8.25"	Polished Both Sides	Dura-Bright Volvo Fitment Only	Volvo Fitment Only – Truck Drive Position & Trailer
892523DB	22.5" x 9"	Polished Both Sides	Dura-Bright, 26 mm Stud Holes	Steer, Drive, Trailer
892513DB	22.5" x 9"	Polished Both Sides	Dura-Bright, Retrofit 22 mm Stud, 32 mm Hole	Steer, Drive, Trailer
89U631	22.5" x 9"	Polished Outside	PCD285	Truck Steer Position
89U631DB	22.5" x 9"	Polished Outside	Dura-Bright PCD285	Truck Steer Position
89U641	22.5" x 9"	Polished Outside	PCD285	Truck Steer Position
89U641DB	22.5" x 9"	Polished Outside	Dura-Bright PCD285	Truck Steer Position
ULT391	22.5" x 8.25"	Polished Outside	18kg 10/285, American Fitment	Truck Steer Position
ULT391DB	22.5" x 8.25"	Polished Outside	18kg Dura-Bright 10/285, American Fitment	Truck Steer Position
ULT392	22.5" x 8.25"	Polished Inside	18kg 10/285, American Fitment	Truck Drive Position & Trailer
ULT392DB	22.5" x 8.25"	Polished Inside	18kg Dura-Bright 10/285, American Fitment	Truck Drive Position & Trailer
ULT397	22.5" x 8.25"	Polished Both Sides	18kg 10/285, American Fitment	Steer, Drive, Trailer
ULTRABLK-2B	22.5" x 8.25"	Dura Black Finish	Drive Hub Cover included	Truck Drive Position & Trailer

WHEEL RIMS

MULLINS ROADKING WHEELS / STEEL TUBELESS DISC WHEELS				
PART NO.	**SIZE**	**FINISH**	**PCD**	**STEEL**
710-202	17.5" x 6.00"	Silver	6 - 222.25 J	
710-210	17.5" x 6.00"	Silver	10 - 225 ISO	
710-215	17.5" x 6.75"	Silver	6 - 222.25 J	
710-220	17.5" x 6.75"	Silver	10 - 225 ISO	
710-240	19.5" x 7.50"	Silver	8 - 275 ISO	
710-445	22.5" x 8.25"	Silver	8 - 285 J	
710-447	22.5" x 8.25"	Silver	10 - 285.75 ISO	
710-460	22.5" x 8.25"	Silver	10 - 335 ISO	
710-502XHD	22.5" x 9.00"	Silver	10 - 335 ISO - XHD	
710-560	22.5" x 11.75"	Silver	10 - 335 ISO	

DEMOUNTABLE TUBELESS RIMS				
PART NO.	**SIZE**	**FINISH**	**PCD**	**DEMOUNTABLE TUBELESS**
700-305	17.5" x 6.75"	Silver	100 mm	
700-420	22.5" x 8.25"	Silver	118 mm	
700-465	22.5" x 9.00"	Silver	102 mm	
700-745	22.5" x 11.75"	Silver	110 mm	

WHEEL RIMS

TRP WHEELS						
PART NO.	**SIZE**	**FINISH**	**BOLT HOLE**	**PCD**	**WEIGHT**	**CROSS REFERENCE**
8-22-285B3	22.5" x 8.25"	Buffed	26mm	285.75mm x 10	21.8kg	ULT397 RS7128AM 710.0030' JW 82528526M OE
8-22-285P3	22.5" x 8.25"	Polished Both Side	26mm	285.75mm x 10	21.8kg	ULT391 ULT392 710.0031' JW 82528526P OE
8-22-335P-32MM1	22.5" x 8.25"	Polished Both Sides	32mm	335.75mm x 10	22.7kg	882517 JW 82533532P OE
8-22-335P1	22.5" x 8.25"	Polished Both Sides	26mm	335.75mm x 10	22.9kg	882523 JW 82533526P OE

NOTES

THE LEADING HEAVY DUTY WHEEL IN THE AUSTRALIAN MARKET FOR OVER 30 YEARS

Keep maintenance, fuel and operating costs down.

Ask for the Alcoa® Ultra ONE® –
THE LIGHTEST 22.5" x 8.25" WHEEL IN THE MARKET

With proprietary **VHub™ Bore Technology** to reduce corrosion, and manufactured with **MagnaForce®** alloy for unmatched strength against other wheels in its class.

Available in Dura-Bright® finish that cleans with just soap and water, so no need to polish in order to maintain the shine.

5 YEAR WARRANTY
Best-in-Class Warranty



LOOK FOR THE AUTHENTIC ALCOA WHEEL ROLL STAMP



Refer to the Roll Stamp for the

- Part Number
- Maximum Load Capacity
- Tyre Pressure Rating, and more

Use this handy info when searching Alcoa Wheels products.

SCAN THE QR CODE TO SEARCH FOR ALCOA WHEELS PRODUCTS

WHEEL ROLL STAMP

ALCOA WHEELS

FORGED USA — Country of Origin

Wheel Load Rating: **MAX LOAD 3355 kg (7400LB)**

110516 — Date of Manufacture Month/Day/Year (Prior to 2000, some wheels may only have Month/Year)

PART NO. 882677

Maximum Inflation Pressure: **MAX PRESS. 900 kPa (130PSI)**

22.5 x 8.25 - 168 — Wheel Description

T-DOT — FMVSS 120 Designation

ALCOA WHEELS

Howmet Wheel Systems Australia
18 Law Court, Sunshine West, VIC 3020 | 1800 955 191 | www.alcoawheels.com.au
alcoa_wheels_Australia alcoawheelsAustralia

Alcoa® Wheels is a product brand of Howmet Aerospace.

HOWMET AEROSPACE

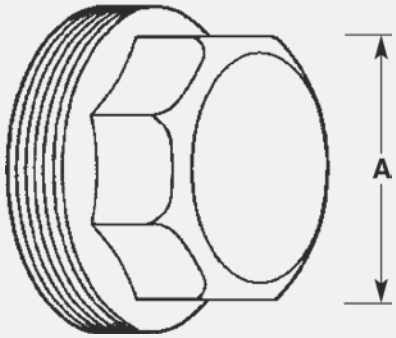
NOTES

WHEEL SPACERS

CHANNEL STYLE	CORRUGATED STYLE
	
4220KSB	TRPWS002

PART NO.	DESCRIPTION	DIMENSIONS	STYLE	CROSS REFERENCE
TRPWS002	TRP® Spacer	20"x 4"	Corrugated	720-2040CC
TRPWS003	TRP® Spacer	20" x 4.25"	Corrugated	720-2042CC, SB14F148
4220KSB	Spacer	20" x 4.25"	Channel	
720-2045CH		20" x 4.5"		SB4420K
T04-2050		15" x 4"		720-1540CH
SB14F144		20" x 3.625"	Corrugated	720-2035CC

HUB CAP GUIDE

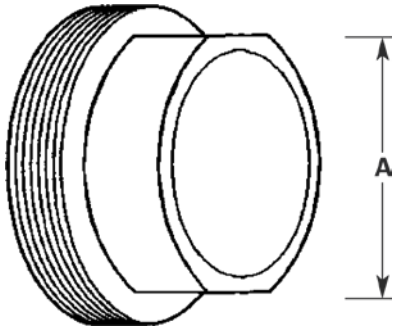


BPW OLD GENERATION
GREASE HUB

Steel Hexagonal Cap with External Thread

125mm O/D x 3mm Pitch Thread
A = 110mm 20" Axle

115mm O/D x 3mm Pitch Thread
A = 95mm 15" Axle



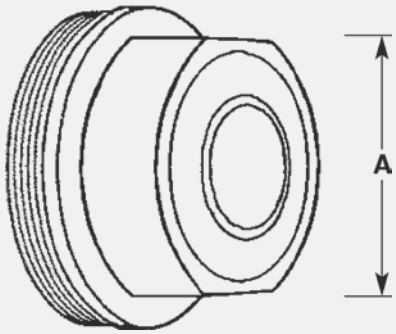
BPW NEW GENERATION
GREASE HUB

Steel Oval Type Cap with External Thread

125mm O/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

115mm O/D x 2mm Pitch Thread
A = 95mm 20" H9000 Lightweight Axle

15" NR9000 Axle



BPW NEW GENERATION
OIL HUB

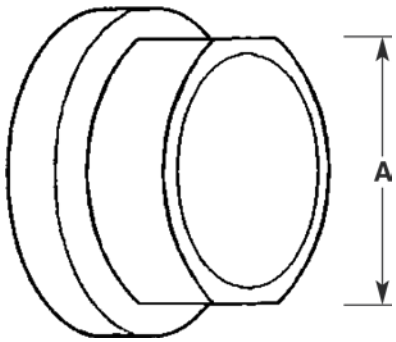
Alloy Oval Type Cap with Window & External Thread

125mm O/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

115mm O/D x 2mm Pitch Thread
A = 95mm 20" H9000 Lightweight Axle

15" NR9000 Axle

**NOTE: Early Oil Hubs had a Red Plastic Hexagonal Cap.*



BPW ECO & ECO PLUS HUB
ECO Introduced 1997
ECO PLUS Introduced 2009

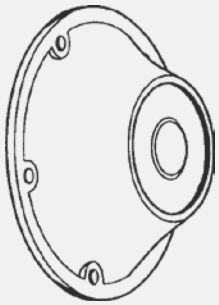
Steel Oval Type Cap with Internal Thread

135mm I/D x 2mm Pitch Thread
A = 110mm 20" H&R 9100 & H&R 10000 Axle

125mm I/D x 2mm Pitch Thread
A = 110mm 20" H9000 Lightweight Axle

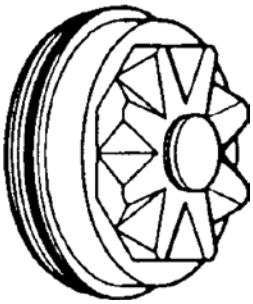
15" NR9000 Axle

HUB CAP GUIDE



FREIGHTER MK-V

Alloy Hub Cap 5-Hole
7-½" O/D – 6-⅜" PCD



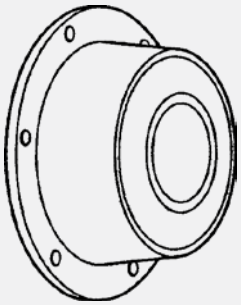
PROPAR STYLE

This axle uses Parallel Bearing Combination.
Hard Wearing Plastic Cap with External Thread

or

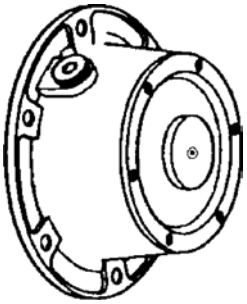
Pressed Metal Cap with External Thread
6-1/4" – 8 Thread

USED ON FRUEHAUF, Holland PROPAR, Fuwa K Hitch, York Outback Axles



GENERAL PURPOSE
GREASE HUB

Pressed Metal or Alloy 5 or 6 Hole Hub Cap
6-1/4" O/D – 5-1/2" PCD



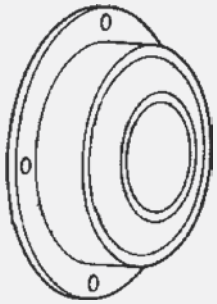
GENERAL PURPOSE
OIL HUB

Alloy 3, 5 or 6 Hole Hub Cap with Window

6" O/D – 5-1/4" PCD - 3 Hole
To suit early Freuhauf Round & I Beam Axles NLA

6-1/4" O/D – 5-1/2" PCD - 5 & 6 Hole GP Hubs

7-1/2" O/D – 6-3/4" PCD - 6 Hole Conmet Alloy Hub
used on some PROPAR Axles

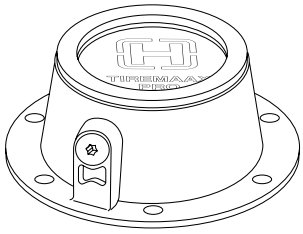
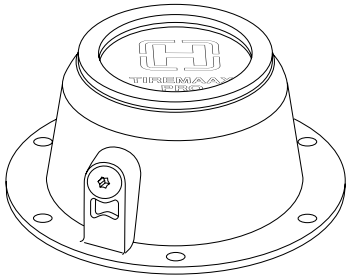


McGRATH

Alloy or Steel 4 Hole Hub Cap
6-7/8" O/D – 6-1/8" PCD

HENDRICKSON HUB CAP GUIDE

TIREMAAX HUBCAPS

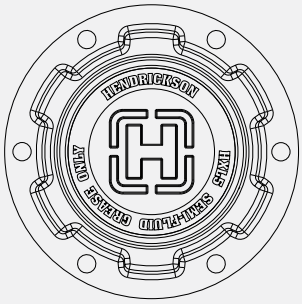
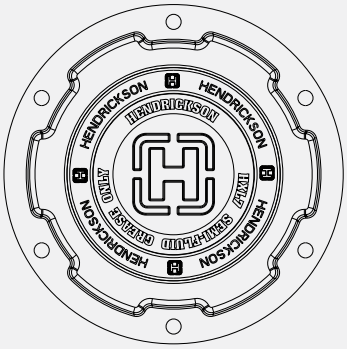
ITEM NO.		PART NO.	SPINDLE	BEARING	DESCRIPTION	NOTES
	1	97453-008		Conventional	TIREMAAX Hubcap Decal	
		97453-009		PreSet		
		97453-015		HXL2		
		97453-011		HXL5		
		97453-010		HXL7		
	2	C-32055-4	HN		TIREMAAX Hubcap	Single Wheel, without Decal
		VS-32055-3			Kit, TIREMAAX Hubcap	Dual Wheel without Decal Includes Gasket & Bolts
		C-32055-3			TIREMAAX Hubcap	Dual Wheel, without Decal
		C-32056-4	HP			Single Wheel, without Decal
		C-32056-3				Dual Wheel, without Decal

HUBCAPS DECALS

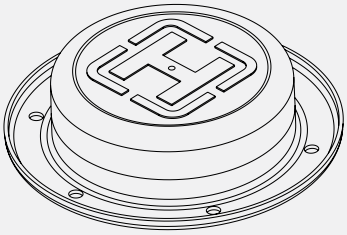
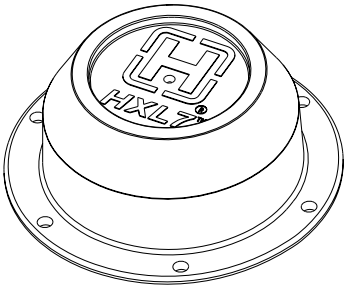
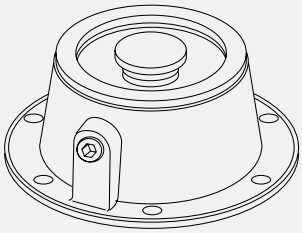
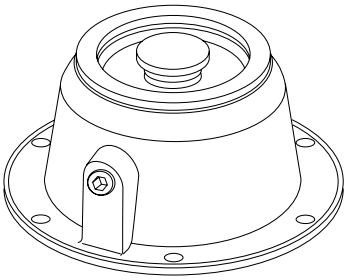
ITEM NO.		PART NO.	BEARING	DESCRIPTION	NOTES
	3	97453-004	HXL7	Hubcap Decal	Without TIREMAAX
		97453-012	HXL5		
		97453-014	HXL2		
		97453-006	PreSet		
		97453-007	Conventional		

HENDRICKSON HUB CAP GUIDE

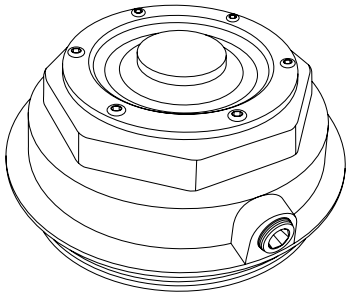
HUBCAPS

ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION
 	4	98846-036P	HP	HXL7		HXL7 Standard Hubcap
		98846-037P			X	HXL7 Chrome Hubcap
		98846-061P		HXL5		HXL5 HP Standard Hubcap
		98846-062P			X	HXL5 HP Chrome Hubcap
		98846-063P	HN			HXL5 HN Standard Hubcap
		98846-064P			X	HXL5 HN Chrome Hubcap
		98846-059P	HP	HXL2		HXL2 HP Standard Hubcap
		98846-060P			X	HXL2 HP Chrome Hubcap
		98846-057P	HN			HXL2 HN Standard Hubcap
		98846-058P			X	HXL2 HN Chrome Hubcap
		98846-038P	HP	PreSet		PreSet HP Standard Hubcap
		98846-039P			X	PreSet HP Chrome Hubcap
		98846-044P	HN			PreSet HN Standard Hubcap
		98846-040P	HP	Conventional		Conventional HP Standard Hubcap
		98846-041P			X	Conventional HP Chrome Hubcap
		98846-046P	HN			Conventional HN Standard Hubcap
		98846-047P			X	Conventional HN Chrome Hubcap

HENDRICKSON HUB CAP GUIDE

HUBCAPS							
ITEM NO.		PART NO.	SPINDLE	BEARING	CHROME	DESCRIPTION	NOTES
	5	S-32629-1	HP	Any		Pressed Steel HP Hubcap	Global Product
	6	C-34434	HP	HXL7		Cast Aluminium HP Hubcap	Global Product
	7	98796-002	HN	Oil		Stemco Oil Fill HN Hubcap	
	8	98920-002	HP	Oil		Stemco Oil Fill HP Hubcap	

HENDRICKSON HUB CAP GUIDE

TOOWOOMBA SCREW-ON HUBCAPS				
ITEM NO.		PART NO.	DESCRIPTION	NOTES
	9	98846-005	Screw-on Hubcap to Suit Toowoomba Hub	Includes Window & O-Ring Seal, Item 10
	10	98920-001	Window to Suit Toowoomba Screw-on Hubcap	With O-Ring Seal & Gasket, Part of Item 9

NOTES

NOTES

HUB CAPS

TRANSPEC

BPW TRANSPEC		
PART NUMBER	**DESCRIPTION**	**NOTES**
0321223090	Hub Cap - M115 X 2, H90, NR9 Suits 9000 Lightweight Axle 420 x 180, KH/KR Axle	
0321224020	Hub Cap - M125 X 3, ZR10, EH9 & 10 - Suits Old Generation 20" Axle	
0321224070	Hub Cap - M125 X 2, NR, R, H9 & 10 - Suits New Generation H91, H10, R10	
0321224250	Hub Cap - Grease L/Wt ECO Suits ECO HUB KH/KR Axle 19.5", ECO HUB 9 Tonne, ECO HUB Disc Brake Axle	▌Threaded ▌Steel ▌Black Finish ▌For Grease
0321225080	Hub Cap - M135 X 2, Grease ECO 10/12T - Suits ECO HUB 10 Tonne 9110	
0321229060	Hub Cap - M135 X 2, 70 (H) X 110 (W) - Suits ECO PLUS 3 HUB	
0321229060TS	Hub Cap - With O-Ring - Suits ECO PLUS 3 HUB Disc Brake 10-12 Tonne	
HU203	Hub Cap - M125 X 2, Suits Hubodometer, NR, R, H9 & 10 Suits Hubodometer M125 X 2 NR, R, H9 & 10	
0321225310	Hub Cap - BPW ECO PLUS - Suits ECO PLUS HUB - H/R, KH	
0321225310C	Hub Cap - Chrome - BPW ECO PLUS Suits ECO HUB Disc Brake Axle 10-12 Tonne	▌Threaded ▌Steel ▌Chrome Finish ▌For Grease
0321229088CTS	Hub Cap - ECO PLUS 3 - Chrome Suits ECO PLUS 3 HUB - H/R, KH, ECO PLUS 3 HUB Disc Brake 10-12 Tonne	
0337900130	Plug - Rubber Hub Cap Oil - Suits 9000 Lightweight Axle	▌Push In ▌Rubber ▌Black Finish ▌For Oil

Fuwa K HITCH

FUWA K HITCH		
PART NUMBER	**DESCRIPTION**	**NOTES**
10018621/10086311	Hub Cap - ConMet TP Preset PLUS Hub - ConMet Pre Set PLUS Bolt On Hub Cap Suit TP (pre set bearing axle) KF22CBF Series, Hub Cap Dual Dynamics 7.5-Gi, NLA*	▌6 Holes ▌Steel
KH800110	Hub Cap - 139.7 PCD Suits All FKH TN (Tapered Bearing Hub Axles) KF22AG, KF37AG, KK44AG Series	▌6 Holes ▌Steel ▌Chrome Finish
KH800110B	Hub Cap - Fuwa K-Hitch, Black - 139.7 PCD Suits All FKH TN (Tapered Bearing Hub Axles) KF22AG, KF37AG, KK44AG Series	▌6 Holes ▌Steel ▌Black Finish
KH800205B	Hub Cap - Black - Suits FKH TP Bearing (Parallel Bearing Axles) KF22BG Series	▌Threaded ▌Steel ▌Black Finish
KHALU01	Hub Cap - Grease, Tapered Bearing - TN Bearing 139.7mm PCD Can Also Use KH800110 KF22AG, KF37AG, KK44AG Series	▌6 Holes ▌Aluminium ▌For Grease
KH800205	Hub Cap - Fuwa K-Hitch Propar Screw In Suit FKH TP Bearing (Parallel Bearing Axles) KF22BG Series	▌Threaded ▌Steel ▌Chrome Finish
N300016-002	Hub Cap - Unitised - Hub Cap Bolt On 179 mm PCD Suits 11 Tonne Unitised Bearing Axle KF22UG Series, Replaces KH1897	▌Bolted ▌Aluminium
KH1897	NLA* Obsolete See Part Number N300016-002	

NLA - NO LONGER AVAILABLE

HUB CAPS

SAF HOLLAND

PART NUMBER	DESCRIPTION	NOTES
79501715	Hub Cap - York, 2782, 2950, 2970, 2783 Dana, Freighter MKV, McGrath	6 Holes Aluminium Cast For Grease
79501887	NLA* Obsolete See Part Number 79788901/Y0RK	
79789287	Hub Cap - York 20TE Axle - 2682/2685 Outback RB	Threaded Steel For Grease
79788901/Y0RK	Hub Cap - York 2800 Series Axle - 2800 Series, 2682/2685 Outback RB	6 Holes For Grease
79786215	Hub Cap-Suits York 19.5" 3 Hole - NLA* Obsolete	3 Holes Steel For Grease
3304010201	Hub Cap - Suits SAF Holland Z9, ZI9, SKRL9019 Intra, Slim Line	Plastic For Grease
3304010901	Hub Cap - Tyre Pilot	Plastic
4304010200	NLA* See Part Number 3304010201	

HENDRICKSON

PART NUMBER	DESCRIPTION	NOTES
98796-002	Hub Cap - Oil R02 HN Oil Stemco Oil Fill, HN Hubcap	6 Holes Aluminium Matt Finish For Oil Includes Gasket
98846-005	Hub Cap - Intraax, Screw In Cap Screw-On Hubcap, Includes Window & O-Ring Seal	6 Holes Aluminium Matt Finish For Grease Includes Gasket
98846-064P	Hub Cap HN, HXL5, HXL5, HN, Chrome Hub Cap	6 Holes Aluminium Matt Finish For Grease
98920-002	Hub Cap - Bolt On, 6.75" PCD, HP R1 HP Oil Stemco Oil Fill HP Hub Cap	6 Holes Aluminium Matt Finish For Oil
C-32055-3	Hub Cap - HN TIREMAAX PRO HN TIREMAAX Hub Cap Dual Wheel, Without Decal	6 Holes Aluminium Matt Finish For Grease
C-32055-4	Hub Cap - TIREMAAX PRO, Dual Wheels & Super Singles HN TIREMAAX Hub Cap Dual Wheel, Without Decal	
C-32056-3	Hub Cap - HN TIREMAAX PRO HP TIREMAAX Hub Cap Dual Wheel, Without Decal	
C-32056-4	Hub Cap - TIREMAAX PRO, Dual Wheels & Super Singles HP TIREMAAX Hub Cap Dual Wheel, Without Decal	

NLA - NO LONGER AVAILABLE

HUB CAPS

MERITOR
RUN WITH THE BULL

MERITOR		
PART NUMBER	**DESCRIPTION**	**NOTES**
3262W75	NLA* See Part Number 3262W1245	
A3262A27A	NLA* See Part Number A3262X1506	
A3262B28A	NLA* See Part Number A3262Y1507	
A3262G215	Hub Cap - 6 Hole - Designed For Use With Tire Inflation Systems. It Is Suitable For Use With Most Models Of Heavy Trucks & Trailers	▌6 Holes ▌Aluminium ▌Natural Finish ▌For Oil
A3262H1178	Hub Cap With Window	
A3262P16A	NLA* See Part Number A3262Z1456	
A3262R1370	Hub Cap	
A3262X1506	Hub Cap - 6 Hole	
A3262Y1507	Hub Cap - 6 Hole	
A3262Z26A	NLA* See Part Number A3262Z1456	
A7-333L4848	Hub Cap & Stud Assy - 285 mm	
A8-333L4848	Hub Cap Stud & PR Assy - 285 mm	
A8-333V4728	Hub Cap & Stud Assy - 285 mm	
E-04975	Hub Cap - Suits Fruehauf	
E-4975H	NLA* - Suits Fruehauf, Use With Hubodometer, See Part Number E-04975H	
E-04975	Hub Cap Lexan - Suits Fruehauf, Equivalent to Stemco 340-4975	
T04-4024H	Hub Cap Lexan - Suits Fruehauf, Use With Hubodometer, S/S to E-04975H	
3262W1245	Hub Cap	
A3262X1506	Hub Cap - 6 Hole, 4P5, CR1612 - 6 Hole 4P5 CR1612	
A3262Y1507	Hub Cap - 6 Hole, 5P5, CR1644 - 6 Hole 5P5 CR1644	
A3262Z1456	Hub Cap - 6 Hole, 5P5, CR1613 - 6 Hole 5P5 CR1613	

NLA - NO LONGER AVAILABLE

HUB CAPS

STEMCO

STEMCO		
PART NUMBER	**DESCRIPTION**	**NOTES**
340-4119	Hub Cap - 8 Bolt Suits Drive / Tag / Push Axles, 7" Bolt Circle, Lazy Axle	8 Holes Aluminium Natural Finish For Oil
340-4270	Hub Cap - 6 Bolt Suits ISUZU Steer Application	6 Holes Aluminium Natural Finish For Oil
340-4975	Hub Cap - Suits Fruehauf Propar Axle 6 1/4" x 8 UN, Suits Trailer Parallel Spindle	Threaded Polycarbonate For Oil & Grease
340-5097	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Trailer Tapered Spindle	6 Holes Steel, Painted (Black) Finish For Grease
342-4009	Hub Cap - 6 Bolt - 5 1/2" / 140 mm Bolt Circle, Suits Grease Lubrication, Use 343-4009 and 359-6095	6 Holes Aluminium Natural Finish For Grease
343-4009	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication	6 Holes Aluminium Natural Finish For Oil
343-4024	Hub Cap - 6 Bolt 4 1/2" 114 mm Bolt Circle, Suits Oil Lubrication	6 Holes Aluminium Natural Finish For Oil
343-4025	Hub Cap - 6 Bolt 5 7/8" / 149 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 16 mm	6 Holes Aluminium Natural Finish For Oil
343-4028	Hub Cap - 4 Bolt 5" / 127 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 60 mm	4 Holes Aluminium Natural Finish For Oil
343-4042	Hub Cap - 6 Bolt 5 1/8" / 130 mm Bolt Circle, Suits Oil Lubrication	6 Holes Aluminium Natural Finish For Oil
343-4046	Hub Cap - 6 Bolt - 5 1/2" / 140 mm Bolt Circle Suit Oil Lubrication, Inside Depth 40 mm, KW Steer Application	6 Holes Aluminium Natural Finish For Oil
343-4075	Hub Cap - Suits Fruehauf Propar Axle 6 1/4" x 8 UN, Suits Trailer Parallel Spindle	Threaded Aluminium Natural Finish For Oil & Grease

NLA - NO LONGER AVAILABLE

HUB CAPS

STEMCO

STEMCO		
PART NUMBER	**DESCRIPTION**	**NOTES**
343-4092	Hub Cap - 6 Bolt 5 7/8" / 149 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 36 mm	6 Holes Aluminium Natural Finish For Oil
343-4095	Hub Cap - 6 Bolt - 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 27 mm, Steer Application	6 Holes Aluminium Natural Finish For Oil
343-4186	Hub Cap - 4 Bolt 5" / 127 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 35 mm	4 Holes Aluminium Natural Finish For Oil
343-4195	Hub Cap - 6 Bolt 6 3/4" / 172 mm Bolt Circle, Suits Oil Lubrication, Suits Parallel Trailer TP / Pro Par	6 Holes Aluminium Natural Finish For Oil
343-4249	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 42 mm	6 Holes Aluminium Natural Finish For Oil
343-4281	Hub Cap - 6 Bolt 5 17/32" / 140.5 mm Bolt Circle, Suits Oil Lubrication, Bolt Hole Dia. 9.5 mm, Can Use 343-4046	6 Holes Aluminium Natural Finish For Oil
356-4009	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication, Sentinel Window	6 Holes Aluminium Natural Finish For Oil Gasket Included
356-4046	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 40 mm, Kenworth Steer Application, Sentinel Window	6 Holes Aluminium Natural Finish For Oil Gasket Included
356-4095	Hub Cap - 6 Bolt 5 1/2" / 140 mm Bolt Circle, Suits Oil Lubrication, Inside Depth 27 mm, Steer Application, Sentinel Window	6 Holes Aluminium Natural Finish For Oil Gasket Included
640-0003	Hub Cap - Screw In, 6 1/4" x 8 UN, Suits Trailer Parallel Spindle To Fit Hubodometer, Suits SAF Holland Z9, ZI9, SKRL9019 Intra, Slim Line	
T04-4023	Hub Cap - Early Fruehauf 3 Hole, Part NLA* Early Fruehauf 3 Hole NLA*	
T04-4029ST	Hub Cap - Stemco 5 Hole Trailer Stemco 5 Hole Trailer	
T04-4065	Hub Cap - Stemco 'Special' To Suit ConMet Hub On Fruehauf Axles Suits ConMet Hub On Fruehauf Axles	

NLA - NO LONGER AVAILABLE

HUB CAPS

SKF

SKF		
PART NUMBER	**DESCRIPTION**	**NOTES**
1282	Hub Cap Suits Trouble Free TF4, Pro Par Trailer	Threaded For Oil
1669CR	Hub Cap Suits Trouble Free TF6, Steer, TF6	6 holes Black Finish For Oil
1743	Hub Cap	For Oil
1790	Hub Cap	6 holes For Oil
CR1711	Hub Cap	6 holes For Oil
T04-4024CR	Hub Cap - To Suit Fruehauf	Threaded
T04-4029CR	Hub Cap - 1642 5 Hole Trailer - Also Use 1642	5 holes For Oil
T04-4031CR	Hub Cap - 1643 6 Hole Trailer - Also Use 1643	6 holes For Oil
T04-4038	Hub Cap - To Suit Hubodometer Also use 160, Trailer / Hubodometer, TF3	6 holes For Oil
1612CR	Hub Cap - Suits Steer, TF6	6 holes Dupont Zytel Black Finish For Oil
1613CR	Hub Cap - Front - Suits Steer, TF1	6 holes Dupont Zytel Black Finish For Oil
1644CR	Hub Cap - Suits Trailer / Steer, TF6	6 holes Dupont Zytel Black Finish For Oil
1691CR	Hub Cap - Suits Steer, TF1	6 holes Dupont Zytel Black Finish For Oil

TRP

TRP		
PART NUMBER	**DESCRIPTION**	**NOTES**
HA4009	Hub Cap - Oil, TN, 4009, 5.5 Trailer Hub Cap TN Application - 5.5” Bolt Hole Diameter	6 Holes For Oil
HA4024	Hub Cap - Oil, Steer, 4024, 4.5 Front Steer Hub Cap - 4.5” Bolt Hole Diameter	6 Holes For Oil

NLA - NO LONGER AVAILABLE

HUB CAP PARTS

SAF HOLLAND	
HUB CAP GASKET	**DESCRIPTION**
79787719	Suits Part Number 79501715 Hub Cap For York, 2782, 2950, 2970, 2783 Dana, Freighter MKV, McGrath Axles
79502472	Suits Part Number 79788901/Y0RK, Hub Cap - York 2800 Series Axle
79787719	Suits Part Number 79786215 3 Hole Hub Cap - York 19.5" Axles

HENDRICKSON	
HUB CAP GASKET	**DESCRIPTION**
A-32098	Suits Part Number 98796-002 Hub Cap - Oil R02
A-32098	Suits Part Number 98846-064P Hub Cap
A-32097	Suits Part Number 98920-002 Hub Cap - Bolt On, 6.75" PCD, HP R1
A-32098	Suits Part Number C-32055-3 Hub Cap - HN TIREMAAX PRO
A-32098	Suits Part Number C-32055-4 Hub Cap - TIREMAAX PRO, Dual Wheels & Super Singles
A-32097	Suits Part Number C-32056-3 Hub Cap - HN TIREMAAX PRO
A-32097	Suits Part Number C-32056-4 Hub Cap - TIREMAAX PRO, Dual Wheels & Super Singles
WINDOW KIT	**DESCRIPTION**
98920-001	Suits Part Number 98846-005 Hub Cap - Intraax, Screw In Cap, Includes

SKF		
HUB CAP GASKET	**HUB CAP PLUG**	**DESCRIPTION**
453906-8	450439-4	Suits Part Number 1282 Hub Cap For Pro Par Trailers
453918-8	N/A	Suits Part Number 1669CR Hub Cap For TF6 Steer Axle
453869-8	454301-4	Suits Part Number 1612 CR Hub Cap For TF6 Steer Axle
453795-8	453879-4	Suits Part Number 1613CR Hub Cap - Front For TF1 Steer Axle
453795-8	454301-4	Suits Part Number 1644CR Hub Cap For Trailer / Steer, TF6 Axles
453795-8	453879-4	Suits Part Number 1691CR Hub Cap For TF1 Steer Axle

HUB CAP PARTS

STEMCO

STEMCO		
WINDOW KIT TO SUIT	**HUB CAP GASKET / O-RING**	**DESCRIPTION**
359-5912	330-3025	Suits Part Number 343-4092 Hub Cap - 6 Bolt
	330-3122	
359-5995	330-3111	Suits Part Number 340-4119 Hub Cap - 8 Bolt
	330-3009	Suits Part Number 343-4009 Hub Cap - 6 Bolt
	330-3009	Suits Part Number 343-4046 Hub Cap - 6 Bolt
	330-3077 (O-Ring)	Suits Part Number 343-4075 Hub Cap - Suits Fruehauf Propar Axle
	N/A	Suits Part Number , 6-¼" x 8 UN, Suits Trailer Parallel Spindle
	330-3009	Suits Part Number 343-4095 Hub Cap - 6 Bolt
	330-3122	Suits Part Number 343-4281 Hub Cap - 6 Bolt
	N/A	Suits STEMCO Hub Cap, Suits Dia. 3-½" or 88.9 mm with Large Red Plug, Includes O-Ring and Gasket
	330-3118	Suits Part Number 343-4195 Hub Cap - 6 Bolt
359-5999	330-3024	Suits Part Number 343-4024 Hub Cap - 6 Bolt
	330-3025	Suits Part Number 343-4025 Hub Cap - 6 Bolt
	330-3028	Suits Part Number 343-4028 Hub Cap - 4 Bolt
	330-3041	Suits Part Number 343-4042 Hub Cap - 6 Bolt
	N/A	Suits Part Number 343-4186 Hub Cap - 4 Bolt
	N/A	Suits STEMCO Hub Cap, Dia. 2-¾" or 69.85 mm, with Large Red Plug, Includes O-Ring and Gasket
359-6095	330-3009	Suits Part Number 342-4009 Hub Cap - 6 Bolt
359-6100	N/A	Suits STEMCO Hub Cap, Dia. 3-½" or 88.9 mm, with Small Red Plug, Includes O-Ring and Gasket
359-6112	330-3128	Suits Part Number 340-4270 Hub Cap - 6 Bolt
359-6145	330-3009	Suits Part Number 356-4009 Hub Cap - 6 Bolt
	330-3009	Suits Part Number 356-4046 Hub Cap - 6 Bolt
	330-3009	Suits Part Number 356-4095 Hub Cap - 6 Bolt
N/A	T04-4042	Suits 5 & 6 Hole Hub Caps

TRP

TRP	
HUB CAP PLUG	**DESCRIPTION**
HP4009	Suits Hub Cap Part Number 4009, 1.125"

NOTES

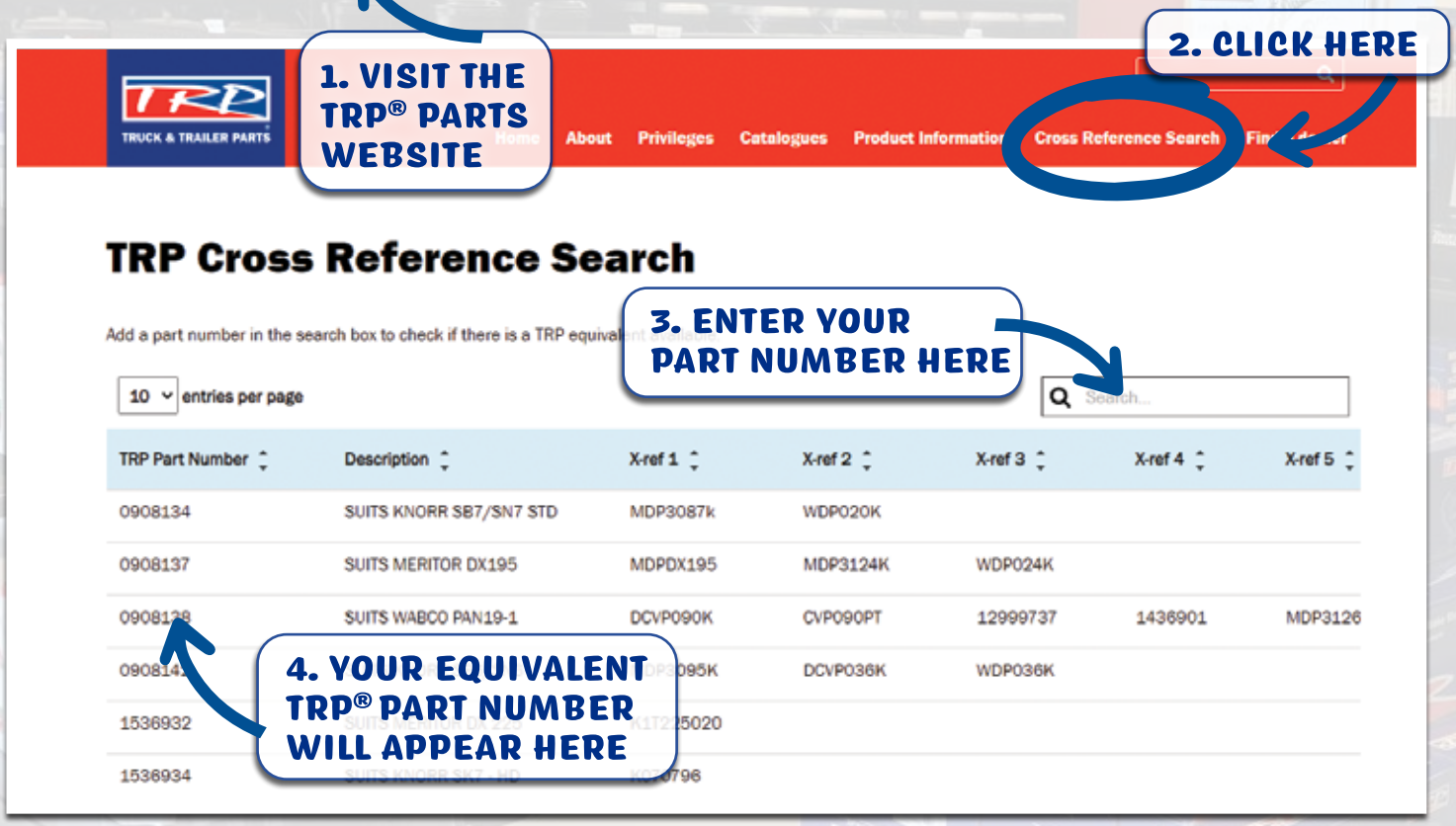
NOTES

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- Jack Greig, State Parts Manager.

INTEGRATED HUBODOMETERS



BPW HUBCAPS WITH INTEGRATED MECHANICAL HUBODOMETER					
PART NO.	**AXLE LOAD**	**HUB TYPE**	**HUBCAP THREAD**	**TYRE SIZE**	**TYRE ROLLING CIRCUMFERENCE ±2 %**
0521224330	9 Tonne	Conventional ECO	M 125 x 2	315/70 R22.5	3015 mm - 3134 mm
0521224520				275/70 R22.5	2915 mm
0521224520C *See note below					
0521225420		ECOPlus	M 136 x 2.5	275/70 R22.5	2915 mm
0521225460				385/65 R22.5	3240 mm - 3260 mm
0521223290		Conventional	M 115 x 2	265/70 R19.5	2620 mm - 2650 mm
0521224340		ECO	M 125 x 2	265/70 R19.5	2620 mm - 2650 mm
0521224440				245/70 R19.5	2560 mm
0521224360		ECO	M 125 x 2	245/70 R17.5	2425 mm
0521224480				205/65 R 7.5	2170 mm
0521224370	10-12 Tonne	Conventional	M 125 x 2	445/65 R22.5	3505 mm
0521224380				275/70 R22.5	2915 mm
0521225110		ECO	M 135 x 2	425/65 R22.5	3410 mm - 3470 mm
0521225250			M 135 x 2	315/70 R22.5	3015 mm - 3134 mm
0521225410		ECOPlus	M 136 x 2.5	255/70 R22.5	2830 mm - 2860 mm
0521225420				275/70 R22.5	2915 mm
0521225440				315/70 R22.5	3015 mm - 3134 mm
0521225450				11 R22.5	3175 mm - 3220 mm
0521225460				385/65 R22.5	3240 mm - 3260 mm
0521225470				12.00 R22.5	3280 mm - 3310 mm
0521225200		ECO	M135 x 2	265/70R 19.5	2620 mm - 2650 mm
0521225380		ECOPlus	M 136 x 2.5	265/70R 19.5	2620 mm - 2650 mm

* Hubcap is Chrome

INTEGRATED HUBODOMETERS



HUBCAP WITH INTEGRATED DIGITAL HUBODOMETER		
AVAILABLE FOR ECOPLUS AXLES ONLY		
PART NO.	**DESCRIPTION**	**HUBCAP THREAD**
0521275060	Hub Cap Black with Integrated Hubodometer	M 136 x 2.5
0521275030	Hub Cap Chrome with Integrated Hubodometer	M 136 x 2.5
0201309700	Hub Cap Battery to suit Integrated Hubodometer	N/A

GENERIC INFORMATION

The BPW hubcap with its integrated digital odometer is an important instrument for checking the mileage of your trailer.

A built in, watertight mini computer counts the wheel revolutions by means of a magnet and a reed contact.

The tyre rolling circumference is set initially, before fitting the hubo to the axle and cannot be changed subsequently.

Read out takes place when two silver contacts on the older style ECOMETER or the two BPW logos on the face of the newer style ECOMETER are connected with a metallic object e.g. a spanner.

Battery information:
A row of flashing dots appears on the display when the battery voltage has fallen below the necessary value, which is a warning that the battery should be changed. After the battery has been changed, the program and display are resumed (the distance value in kilometres continues to be stored in a permanent memory).

IMPORTANT

Please refer to the BPW Operator's Manual (valid for operational use in Australia) for instructions on the fitting and setting of Digital Hubodometers.

The reed contact in the cap should always be protected against damage. For this reason, caps should not be stacked one inside the other.

Always remove and install correctly.

For information regarding the fitting and setting of the digital hubodometers, please refer to the BPW Operator's Manual.

TYRE ROLLING CIRCUMFERENCE

The tyre rolling circumferences in the table above are based according to standard ETRTO (European Tyre and Rim Technical Organisation). Data of various tyre manufacturers can vary slightly.

HUBODOMETERS



600-4311



600-9999



650 Series

STEMCO

STEMCO HUBODOMETERS			
PART NO.	**DESCRIPTION**	**TYRE SIZE**	**REVOLUTIONS**
600-4311	DataTrac Pre-Programmed Electronic	11 R 22.5	311
600-4342		275/70 R22.5	342
600-4357		255/70 R22.5	357
600-9999	DataTrac Programable Electronic, suits any tyre size	All Tyre Sizes	-
801-1000	DataTrac Programmer	-	-
600-9999P	DataTrac Pre-Programmed Electronic	All Tyre Sizes	-
604-9999	TracBat RF - Field Programmable	All Tyre Sizes	-
650-0536	Mechanical	11 R 22.5	311
650-0540		275/80 R22.5	320
650-0546		265/75 R22.5	336
650-0550		255/70 R22.5	357
650-0556		265/70 R19.5	380
650-0572		215/75 R17.5	432
650-0664		295/75 R22.5	330
650-0724		275/70 R22.5	342
650-0725		315/75 R22.5	315

HUBODOMETERS



610-0065



610-0090



610-0084







STEMCO

STEMCO HUBODOMETER ACCESSORIES		
PART NO.	**DESCRIPTION**	**APPLICATION**
359-6117	Window Kit, Suit Hubometer G.P. (88.9mm)	General Purpose Axle
610-0065	Bracket Hubodometer - Two Leg	5-½" Bolt Circle Hub Caps
610-0084	Bracket Hubodometer - Four Leg	6-¾" Bolt Circle Dia (Stemco Cap Only)
610-0090	Bracket Hubodometer - Square Bolt on Bracket to H/C Window	H/C Window

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HENDRICKSON HUBODOMETER ACCESSORIES		
PART NO.	**DESCRIPTION**	**APPLICATION**
98870-127	Bracket-Mounting, Hubodometer (Suits HN Trailer Axle)	HN Trailer Axle
98870-182	Bracket 3 Prong, Hubodometer (Suits HP Trailer Axle)	HP Trailer Axle

HUBODOMETERS

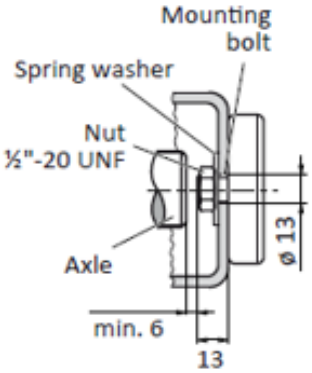


JOST HUBODOMETERS			
PART NO.	**DESCRIPTION**	**TYRE SIZE**	**SUITS**
JK3175-3220	Mechanical - 10 x 20/11R x 22.5	3,175 - 3,220mm	▪ 10 x 20 ▪ 11 x 22.5 ▪ 14.8 x 22.5 ▪ 295.8 x 22.5 ▪ 315.75 x 22.5 ▪ 375.7 x 20 ▪ 405.7 x 20

Fitting Instructions for Jost Hubodometer

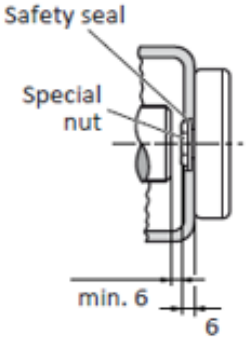
Hubometer – Normal Version (J...)
When mounting the Hubometer to your existing hub-cap proceed as follows:

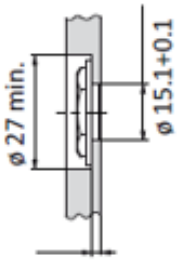
- Check whether there is enough clearance to the end of the axle, at least 6mm clearance is required after mounting.
- The contact surface of the hub-cap must be flat, if necessary, by machining.
- Drill the concentric 13mm mounting hole.
- Install the Hubometer with the spring washer & nut supplied.
- Torque the nut to 12Nm (1.5mkp) maximum, just sufficient to flatten the spring washer.



Hubometer – Short Version (JK...)
Where fitting has to take place in a restricted space this type of Hubometer is used.
It has a shortened clamping bolt.

- Fitting is effected using a special plain nut & a combined sealing/retaining ring.
- Tightening torque max. 15Nm (1.5mkp).
- Fixing & centring in the axle cap requires a concentric hole of 15.1mm diameter with axle caps of more than 2mm wall thickness, the nut should be counterbored.





Important!
The Hubometer must always be fitted concentrically. Oscillations due to unbalanced running impair the service life & the counting accuracy. It is advisable to fit the Hubometer on the right-hand side of the vehicle. With three-axle assemblies, the Hubometer should be fitted on the middle axle. Check that the fitted Hubometer does not cause the vehicle to exceed its maximum admissible width.

Special Axle Caps

- When installing axle caps with a clip function (e.g. JAS, DC, Schmitz, SAF) you must take care that they are pressed in position without using impacts, as far as possible. Otherwise the counter may suffer damage.
- When installing axle caps with threaded connections (e.g. BPW) you must make sure they are fitted free from vibration.
- The installation guidelines provided by the axle manufacturer must be observed. A hammer is not a suitable tool.
- JOST axle caps with threads (JHU...) must be tightened after driving the first 500 kilometres.

Cleaning
Chemical agents must not be used for cleaning of the Hubometer.

To avoid damage to the counter, ensure jolt-free installation!





NOTES

HUB SEALS



46300

STEMCO

CR SCOTSEAL			STEMCO		DIMENSIONS		
STANDARD	PLUS "XL"	PRO	GREASE	OIL	I.D	O.D	SUITS AXLE TYPES
T04-42623S	42627		T04-STM-0723TGS (Replaces STM-0723G)	T04-307-0723 (Replaces 307-0723)	107 mm	152 mm	Early Fruehauf Axles
				T04-371-0023 (Replaces 371-0023)			Fruehauf Propar Axles
				T04-372-7099 (Replaces 372-7099)			SAF Holland P Series Axles
				T04-373-0123 (Replaces 373-0123)			Eaton JE 501 -L 16-½" x 7" Brakes
T04-40136S	40129		T04-STM-0713G (Replaces STM-0713G0)	T04-307-0713 (Replaces 307-0713)	102 mm	127 mm	Dana D21, K21 Axles Early G.P. Axles Freighter A19 H Axles
T04-43752S	43754		T04-STM-0744G (Replaces STM-0744G)	T04-373-0144 (Replaces 373-0144)	102 mm	127 mm	Early G.P. Axles Eaton E34 Axles
46305s	46300	46303	T04-STM-0743G (Replaces STM-0743G)	T04-307-0743 (Replaces 307-0743)	117 mm	152 mm	Most Late G.P. Axles
				T04-371-0043 (Replaces 371-0043)			
				T04-372-7097 (Replaces 373-7097)			
				T04-373-0143 (Replaces 373-0143)			
NA			NA	T04-4524	143 mm	167 mm	BPW New Gen
				373-0243	117 mm	152 mm	Meritor, Standard Forge, Dana, Eaton
				373-0113	102 mm	146 mm	

I.D – INSIDE DIAMETER O.D – OUTSIDE DIAMETER

HUB SEALS



0256647400

TRANSPEC

PART NOs.		DIMENSIONS		
GREASE	OIL	I.D	O.D	SUITS AXLE TYPES
NA	0256644657	143 mm	167 mm	New Generation H91, H10, R10 420x180 mm Brakes
0331097300	NA	120 mm	157 mm	New Generation H91, H10, R10 420x180 mm Brakes
0331098210	NA	120 mm	157 mm	New Generation H91, H10, R10 420x180 mm Brakes
NA	0256645700	115 mm	138 mm	ECO H9000
NA	0256645800	115 mm	138 mm	ECO H91/10/R10
0256647400	NA	117 mm	158 mm	ECO PLUS
0256647700	NA	128 mm	165 mm	ECO PLUS 3



393-0273

Fuwa KHITCH

PART NOs.		DIMENSIONS		
FUWA K-HITCH	STEMCO	I.D	O.D	SUITS AXLE TYPES
NA	373-0223	107 mm	152 mm	KF21, KF22, KF23, KF61, KF67 & KF26/KK36
NA	393-0273	121 mm	160 mm	KF22, KF37, KF26/KK36
KH46305	373-0243	117 mm	152 mm	KF22, KF37 & KK44
	373-0223	107 mm	152 mm	KF26/KK36
KH47690	NA	107 mm	152 mm	KF12

I.D – INSIDE DIAMETER O.D – OUTSIDE DIAMETER

HUB SEALS



4373003501

PART NOs.			DIMENSIONS		
GREASE	OIL	NOTES	I.D	O.D	SUITS AXLE TYPES
NA	4373003501		117 mm	152 mm	J-Series-K2 Hub (10 X 285.75 mm PCD) J-Series-K2 Spider Hub
4373004700	NA		111 mm	138 mm	Z9-4218 NG Axle (used on Intradrum) - Dual Wheels
NA	1092200100	Outer Hub Seal	86 mm	127 mm	J-SERIES, RZ 12242 / 18C, RZ 10242 / 18C
NA	3434301700	Hub Seal Kit	117 mm	152 mm	



79786114

PART NOs.		DIMENSIONS		
GREASE	OIL	I.D	O.D	SUITS AXLE TYPES
NA	79786114	117 mm	152 mm	2782 / 2784 / RB / 2785 Stud Type Drum Axles 2782 / 2784 RB Spider Drum Axles 2783 Drum Axles 2950 Drum Axles 2970 P22 Drum Axles
	79786918	117 mm	152 mm	2980 P19 Drum Axles 2682 / RB / 2685 Outback Stud Type Drum Axles
	79991067	117 mm	152 mm	2682 / RB Outback Spider Drum Axles 2782 / 2784 / RB / 2785 Stud Type Drum Axles
	79A789008	117 mm	152 mm	2682 / RB / 2685 Outback Stud Type Drum Axles 2682 / RB Outback Spider Drum Axles
	79502776	125 mm	160 mm	2980 Drum Axles

I.D – INSIDE DIAMETER O.D – OUTSIDE DIAMETER

HUB SEALS



98794-002

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PART NOs.			DIMENSIONS		
GREASE	OIL	NOTES	I.D	O.D	SUITS AXLE TYPES
NA	98794-006	Hub Mounted	117 mm	152mm	▌Conventional HN 5 Spoke Spider Wheel End - 22.5″ ▌Conventional HN Disc Brake Wheel End - 19.5″ & 22.5″ ▌Conventional HN Drum Brake Wheel End - 22.5″
	98794-012	Spindle Mounted	107 mm		
	S-27267	Hub Mounted	117 mm		
NA	98794-002	Spindle Mounted	107 mm	152mm	▌Conventional HP Drum Brake Wheel End - 22.5″
	A-27268	Hub Mounted			
NA	S-27267	Hub Mounted	107 mm	152mm	▌HXL2 & HXL5 HN Disc Brake Wheel End - 19.5″ & 22.5″ ▌HXL2 & HXL5 HN Drum Brake Wheel End - 22.5″
NA	A-27268	Hub Mounted	107 mm	152mm	▌HXL2 & HXL5 HP Drum Brake Wheel End - 22.5″ ▌HXL7 HP Disc Brake Wheel End - 22.5″ ▌HXL7 HP Drum Brake Wheel End - 22.5″
97097-030		Spacer & Seal Kit - Hub Mounted	117 mm	152mm	▌Preset HN Disc Brake Wheel End - 22.5″ ▌Preset HN Drum Brake Wheel End - 19.5″ & 22.5″
NA	98794-006	Hub Mounted	107 mm		
	S-27267				
97097-031	NA	Spacer & Seal Kit - Hub Mounted	107 mm	152mm	▌Preset HP Drum Brake Wheel End - 22.5″
NA	A-27268	Hub Mounted			

I.D – INSIDE DIAMETER O.D – OUTSIDE DIAMETER

NOTES

NOTES

AXLE NUTS

PART NO.	NUT SIZE A/F (MM)	THREAD SIZE	HEIGHT INCH (MM)	APPLICATION
T04-4001 	2-3/16" (56mm)	1-½" - 12	1-½" (38mm)	▪ Fruehauf (Early) Axles ▪ Use with washer T04-4010
0326216080 	2-½" (65mm)	M42 x 2	1-9/16" (40mm)	▪ BPW 9000 Lightweight Axles
0326646020 	2-½" (65mm)	M52 x 2	1-⅝" (42mm)	▪ BPW 9000 Lightweight Axles Eco Hubs ▪ Use with washer 0332064010
T04-4006 	2-⅝" (67mm)	2-⅝" - 16	11/32" (9mm)	▪ GP Trailer Axles Outer Lock Nut ▪ Use with washers T04-4007, T04-8680 ▪ Included in Kit T04-4011AU
0326217080 	3-⅛" (80mm)	M52 x 2	2-1/16" (52mm)	▪ BPW Old Generation Axles
0326217120 	3-⅛" (80mm)	M52 x 2	1-9/16" (40mm)	▪ BPW New Generation Axles
0326217160M  	3-⅛" (80mm)	M52 x 2	1-9/16 (40mm)	▪ BPW ECO Axles with New Generation wheel ends ▪ Same Nut as 0326217120 with additional machined surface as pictured

AXLE NUTS

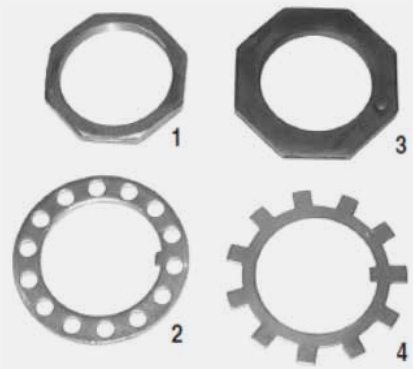
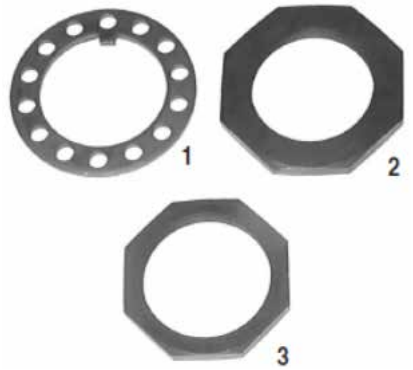
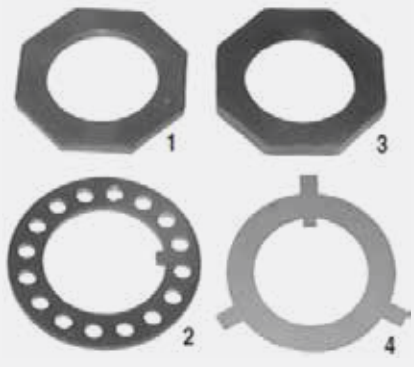
PART NO.	NUT SIZE A/F (MM)	THREAD SIZE	HEIGHT INCH (MM)	APPLICATION
0326647030 	3-⅛" (80mm)	M52 x 2	1-⅝" (42mm)	▌BPW New Generation Axles Eco Hubs ▌Use with washer 0332064010
T04-4014 	3-³⁄₁₆" (81mm)	2-⅜"	½" (13mm)	▌NLA* PART OBSOLETE ▌Rockwell RN Axles Inner Lock Nut ▌Use with washer T04-4013
T04-4016 	3-¼" (83mm)	2-½" - 12	1-⅜" (35mm)	▌NLA* PART OBSOLETE ▌Freighter MK V Axles
T04-4012 	3-¼" (83mm)	3-¼" - 16	¹¹⁄₃₂" (9mm)	▌Rockwell RN Axles Outer Lock Nut ▌Use with washer T04-4013
T04-4093 	3-¼" (83mm)	-	-	▌NLA* PART OBSOLETE ▌Use Kit T04-4094 Instead ▌ROR TN Axles Outer Lock Nut ▌Use with washer T04-4097
T04-4096 	3-¹¹⁄₁₆" (94mm)	2-½" - 16	⅜" (10mm)	▌York 2000 Series Axles Inner Nut ▌Use with washer T04-4097 ▌Included in Kit 74502466
T04-4098 	3-¹¹⁄₁₆" (94mm)	2-½" - 16	⅜" (10mm)	▌York 2000 Series Axles Outer Nut ▌Use with washer T04-4097 ▌Included in Kit 74502466
0580700440 	3-¹¹⁄₁₆" (94mm)	M52 x 2	1-⅝" (41mm)	▌BPW Eco Plus 3 Nut & Washer

*NLA - NO LONGER AVAILABLE

AXLE NUTS

PART NO.	NUT SIZE A/F (MM)	THREAD SIZE	HEIGHT INCH (MM)	APPLICATION
0326647030 	3-1 1/16" (94mm)	M52 x2 / 120 SW80	1-5/8" (41mm)	▪ BPW Eco Plus 3
0326217120 	3-1 1/16" (94mm)	M52 x2 / 106 SW80	1-5/8" (41mm)	▪ BPW Eco Plus 3
T04-4092 	3-3/4" (95mm)	M65 x 1.5	3/8" (10mm)	▪ ROR TN Axles Inner Lock Nut ▪ Use with washer T04-4091 ▪ Included in Kit T04-4094
T04-4008 	3-3/4" (95mm)	2-5/8" - 16	11/32" (9mm)	▪ GP Trailer Axles Inner Lock Nut ▪ Use with washers T04-4007, T04-8680 ▪ Included in Kit T04-4011AU
T04-447-4743 	3-3/4" (95mm)	2-5/8" - 16	1-3/8" (35mm)	▪ PRO-TORQ Axle Nut GP Trailer Axles
A12-0101 	4-13/16" (122mm)	3.48" x 12	1-3/8" (35mm)	▪ Fruehauf Propar Axles ▪ Holland P Series Axles ▪ Use with washer T04-4009
T04-4004 	4-13/16" (122mm)	3.48" - 12	7/16" (11mm)	▪ Fruehauf Propar Axles ▪ Holland P Series Axles ▪ Alternative to A12-0101 ▪ Use 2 x Nuts 1 x Washer T04-4005
T04-447-4723 	4-13/16" (122mm)	3.48" x 12	1-3/8" (35mm)	▪ PRO-TORQ Axle Nut ▪ Fruehauf Propar Axles ▪ Holland P Series Axles

AXLE NUT KITS

PART NO.	ITEM NO.	PART NO.	DESCRIPTION	QTY	APPLICATION
T04-4011AU 	1	T04-4006	Outer Axle Nut	1	GP Trailer Axles Kit Services 1 Wheel
	2	T04-4007	Lock Washer	1	
	3	T04-4008	Inner Axle Nut	1	
	4	T04-8680	Lock Tab Washer	1	
T04-4094 	1	T04-4091	Lock Washer	1	ROR TN Axle Metric Kit Services 1 Wheel
	2	T04-4092	Inner Axle Nut	1	
	3	T04-4093	Outer Axle Nut	1	
79502466 	1	T04-4096	Inner Axle Nut	1	York 2000 Series Kit Services 1 Wheel
	2	T04-4097	Lock Washer	1	
	3	T04-4098	Outer Axle Nut	1	
	4	T04-8681	Tab Washer	1	

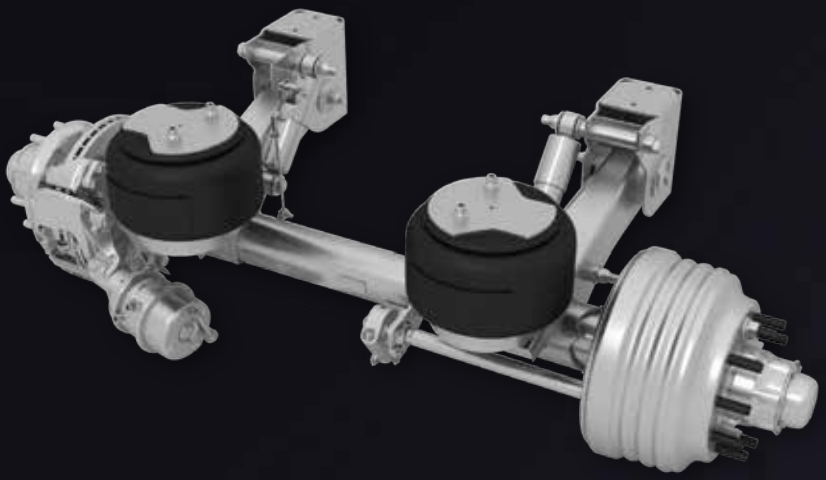
REFER TO INDIVIDUAL PARTS FOR DETAILS & DIMENSIONS

MERITOR
RUN WITH THE BULL

MTA TRAILER SUSPENSION SYSTEM

The Meritor MTA integrated trailer axle and suspension package features trusted Meritor Q+ brakes with lightweight X30 drums or Meritor EX+LS disc brakes and has the same ease of serviceability, reliability, and parts availability you will find in our truck axles. With the confidence that comes from knowing the MTA25 is backed by our locally based customer support team and a network of over 300 parts outlets nationwide, there is now one more very good reason to Run with the Bull.

sales.sunshine@meritor.com



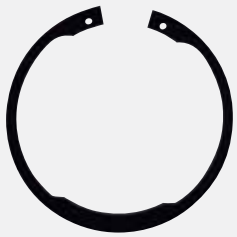
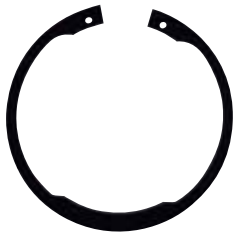


THE FULL AXLE SOLUTION PROVIDER

AXLE LOCK SPACER WASHERS

PART NO.	O.D.	I.D.	APPLICATION	APPROPRIATE NUT
T04-4005 	5″ 127mm	3-½″ 89mm	Fruehauf Propar Axles Holland P Series Axles	T04-4004
T04-4007 	3-⅞″ 98mm	2-⅝″ 67mm	GP Trailer Axles	T04-4006 T04-4008
T04-4009 	5″ 127mm	3-½″ 89mm	Fruehauf Propar Axles Holland P Series Axles	A12-0101
T04-4013 	3-$^{13}/_{16}$″ 97mm	2-$^{13}/_{16}$″ 71mm	Rockwell RN Axles	T04-4012 T04-4014
0332073130 	2-⅜″ 61mm	1-$^{11}/_{16}$″ 43mm	BPW 9000 Lightweight Axles ECO Hubs	0326646020
0332064010 	3″ 76mm	2-$^{1}/_{16}$″ 53mm	BPW New Generation Axles ECO Hubs	0326647030
T04-4091 	3-$^{5}/_{16}$″ 100mm	2-⅝″ 67mm	ROR TN Axles	T04-4092 T04-4093
T04-4097 	4″ 102mm	2-½″ 64mm	York 2000 Series Axles	T04-4096 T04-4098
T04-8680 	4″ 102mm	2-⅝″ 67mm	General Purpose Axles	T04-4006 T04-4008
T04-8681 	3-¾″ 94mm (excl. tabs)	2-½″ 64mm	York 2000 Series Axles	T04-4096 T04-4098

AXLE CIRCLIPS, SPLIT PINS & SPRING RINGS

CIRCLIPS			
PART NO.		**I. D.**	**APPLICATION**
0256061290		4-⅜″ 112 x 4mm	▌BPW 9000 Lightweight Eco Hubs Outer
0256062290		4-¹⁹⁄₃₂″ 122 x 4mm	▌BPW New Generation Axles Eco Hubs Outer
0256064090		5-⅛″ 140 x 4mm	▌BPW 9000 Lightweight Eco Hubs Inner
0256066090		6″ 160 x 4mm	▌BPW New Generation Axles Eco Hubs Inner
0256065890		6-¼″ 158 x 4mm	▌BPW New Generation Axles Eco 3 Hubs Inner
CRS.S		11-¼″ 285 x 10mm	▌Fuwa K Hitch KF22 & KF29 Drum Brake 420 x 180mm Unatised Axles ▌Fuwa K Hitch KF26 & KF36 Disc Brake PAN 19 - TN, TP & Unatised Axles ▌Also included in kit AXKIT-04 Wheel Bearing & Seal Kit

AXLE CIRCLIPS, SPLIT PINS & SPRING RINGS

SPLIT PINS

PART NO.		DIMENSIONS	APPLICATION
T04-7501		1" Long x ¼" Dia. 25 x 6mm	▪ Fruehauf Propar Axle ▪ Holland P Series Axle
0262018201		2" Long x 5⁄16" Dia. 50 x 8mm	▪ BPW 9000 Lightweight Axle
0262018401		2-½" Long x 5⁄16 Dia. 63 x 8mm	▪ BPW Old Gen ▪ BPW New Gen ▪ Early Fruehauf Axles
0308471170		Solid Pin 1-¾" Long x 5⁄16" Dia. 45 x 8mm	▪ BPW New Generation ECO Hubs ▪ BPW 9000 Lightweight ECO Hubs
0327700070		Locking Wedge 11.5 x 19mm	▪ BPW New Generation ECO Plus Hubs ▪ BPW 9000 Lightweight ECO Plus Hubs

SPLIT RINGS

PART NO.		DIMENSIONS	APPLICATION
0318804080		2-½" 66 x 2mm	▪ BPW New Generation ECO Hubs
0318803060		2-⅛" 54 x 2mm	▪ BPW 9000 Lightweight ECO Hubs
0318804100		2-7⁄16" 62 x 1.8mm	▪ BPW 9000 Lightweight ECO Hubs

NOTES

NOTES

AXLE TOOL INFORMATION

The wide range of PACCAR Parts of axle tools helps you find the right tool for the job.

To assist identifying which tool suits your needs, the following information displays the many different styles of tool for the various shapes of axle nuts and hub caps found on trucks and trailers.

RING SPANNER FOR HUB CAP

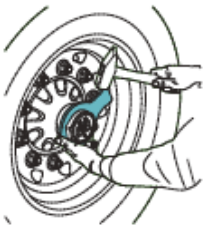
Designed for emergency use, this ring spanner can be carried in the vehicle tool kit for use anywhere at any time. Caution - repeated use of this spanner may lead to damage to the hub caps.



Steel Plate (ST 52), galvanized.

SW Octagonal

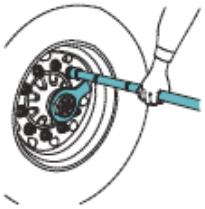
Part no. **03.339.04.01.0** = 95mm
Part no. **03.339.05.01.0** = 110mm
Part no. **03.339.05.02.0** = 120mm
Part no. **03.339.05.03.0** = 130mm





SW BPW Shape

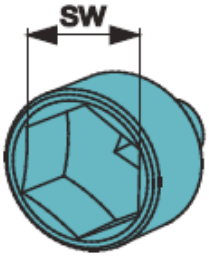
Part no. **03.339.04.03.0** = 95mm
Part no. **03.339.05.04.0** = 110mm



Note: Always check the setting with a torque wrench as soon as possible afterwards.

SOCKET SPANNER

To correctly set the bearing play in the hub and to tighten hubcaps utilizing a torque wrench. These spanners are for workshop use.



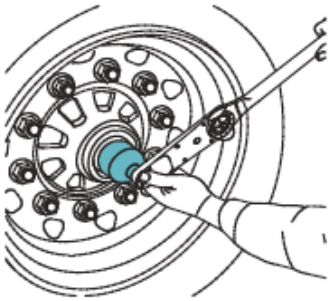
Chromium-steel box spanner (31 CR V3)

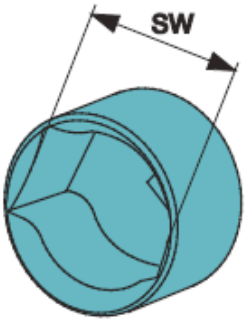


For axle nuts

SW BPW Shape - ½" drive
Part no. 03.364.20.03.0 = 65mm
Part no. 03.364.24.03.0 = 80mm

ECO Plus socket = 29mm
does all ECO Plus 05.364.26.05.0





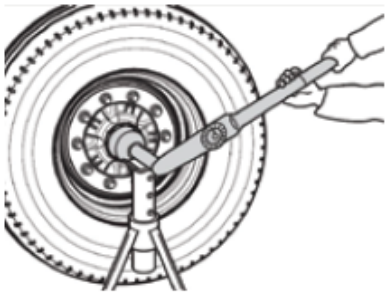




For hub caps

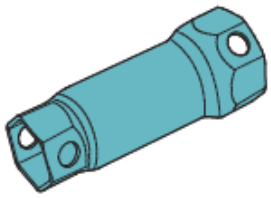
SW Octagonal - 1" drive
Part no. **03.364.27.04.0** = 110mm

SW BPW Shape
Part no. **03.364.29.02.0** = 95mm
Part no. **03.364.29.03.0** = 110mm
1" drive torque wrench required

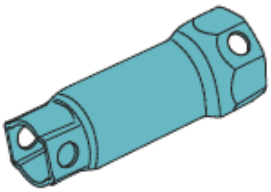


AXLE TOOL INFORMATION

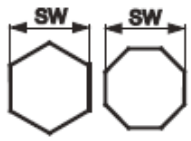
BOX SPANNER FOR HUB CAP AND AXLE NUT

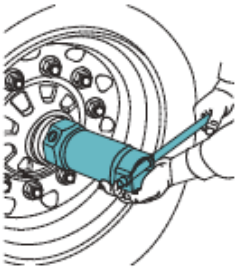


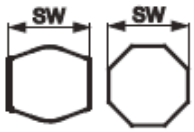
Steel tube, lond design, galvanized



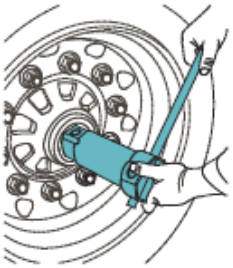
SW Hexagonal - 80mm
SW Octagonal - 110mm
Part no. 03.364.27.01.0



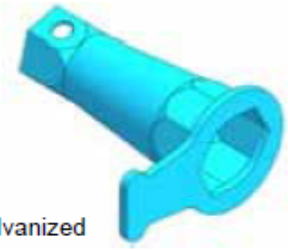




SW BPW shape - 80mm
SW Octagonal - 110mm
Part no. 03.364.27.03.0



COMBINATION SPANNER



Galvanized

BPW Transpec also offers a combination spanner where the Ring Spanner for the Hubcap is welded to the Box Spanner for the Axle Nut.

Part no. - **0336427010M** = 80mm hex / 110 mm Octagonal
Part no. - **0336426030M** = 65mm BPW Shape / 95mm Octagonal
Part no. - **0336427030M** = 80mm BPW Shape / 110mm Octagonal

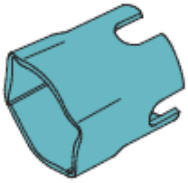
BOX SPANNER

For setting of BPW Hub Unit Axle Nuts



Steel tube, galvanized.

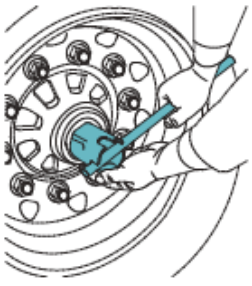






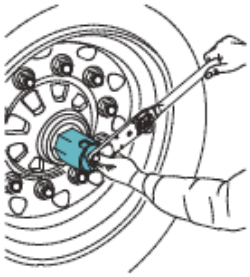
SW Hexagonal

Part no. **03.364.20.01.0** = 65mm
Part no. **03.364.24.01.0** = 80mm
Part no. **03.364.25.01.0** = 85mm
Part no. **05.364.26.05.0** = 95mm
Part no. **03.364.26.02.0** = 100mm



SW BPW Shape

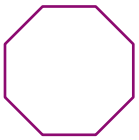
Part no. **03.364.20.02.0** = 65mm
Part no. **03.364.24.02.0** = 80mm



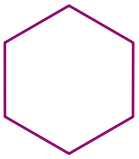
Note: Always check the setting with a torque wrench as soon as possible afterwards.

AXLE TOOLS
HUB CAP & AXLE NUT SOCKETS

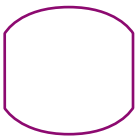
There are 3 common types of Hub Cap & Axle nut sockets; identified as Type 1, Type 2 & Type 3 in the table below



8 POINT
TYPE 1



6 POINT
TYPE 2

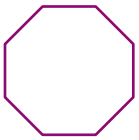


BPW SHAPE
TYPE 3

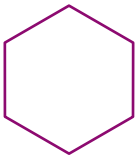
PART NO.	DESCRIPTION	DIMENSIONS	APPLICATION
309001	Type 2, Hexagon (6 Point) ¾" Square Drive Socket	2-3/32"	
309014		2-1/4"	
309006		2-3/8"	
309007		2-3/8"	
309015		2-1/2"	
309002		2-9/16"	
309021	Hexagon (6 Point) Rounded ¾" Square Drive Socket	2-9/16"	
309016	Type 2, Hexagon (6 Point) ¾" Square Drive Socket	2-5/8"	
309017		2-3/4"	
309025		2-7/8"	
309024		3"	
309003		3-1/4"	
309004		3-1/2"	
309020		3-7/8"	
309008		4"	Suit Rockwell Drive
309009		4-1/8"	Suits Rockwell / Eaton Drive
309010		4-3/8"	
309012		4-7/8"	
309023	Type 1, Octagon (8 Point), ¾" Square Drive Socket	2-3/8"	
309018	Type 1, Octagon (8 Point) Rounded, ¾" Square Drive Socket	2-3/4"	
309022	Type 1, Octagon (8 Point), ¾" Square Drive Socket	3-7/8"	Suits most G.P. Trailer Axles Suits GP Inner Axle Nuts
309026	Type 1, Octagon (8 Point), ¾" Square Drive	3-1/4"	Suits GP Outer Axle Nuts
309005		3-1/2"	
309019		3-3/4"	Suits York 2000 Trailer Axle
309027		3-13/16"	
309011		4-3/8"	
T04-7021		4-13/16"	Suits Fruehauf/Holland Propar Type Cap & Spindle Nut
309013		4-7/8"	

AXLE TOOLS
HUB CAP & AXLE NUT SOCKETS

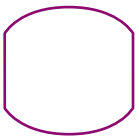
There are 3 common types of Hub Cap & Axle nut sockets; identified as Type 1, Type 2 & Type 3 in the table below



8 POINT
TYPE 1



6 POINT
TYPE 2



BPW SHAPE
TYPE 3

PART NO.	DESCRIPTION	DIMENSIONS	APPLICATION	CROSS REF.
4434382800L	Axle Nut Socket	SW 85mm	Suits Z9-4218 NG Axle (used on Intradrum) - Dual Wheels / ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels	
0336427010	Type 1 / Type 2 Box Spanner	SW Octagonal 110mm SW Hexagonal 80mm Length 265mm	Use with Hub Caps & Axle Nuts, Steel Tube, Galvanised Suits BPW EH 6.5 - 9T	03.364.27.01.0
0336427010M	Type 1 / Type 2 Combination Spanner	110mm Octagonal 80mm Hexagonal Galvanised	Hub Cap Ring Spanner Welded to Axle Nut Box Spanner Suits BPW Old Generation	03.364.27.01.0
0336426030M	Type 1 / Type 3 Combination Spanner	95mm Octagonal 65mm BPW Shape Galvanised	Hub Cap Ring Spanner Welded to Axle Nut Box Spanner Suit BPW Lightweight 9000	03.364.26.03.0
0336427030M	Type 1 / Type 3 Combination Spanner	110mm Octagonal 80mm BPW Shape Galvanised	Hub Cap Ring Spanner Welded to Axle Nut Box Spanner Suits BPW New Generation & ECO Hub	03.364.27.03.0
0336424010	Type 2 Axle Nut Socket / Box Spanner	SW Hexagonal 80mm	Suit BPW Old and New Generation	03.364.24.01.0
0536426050	Type 2 Box Spanner	SW Hexagonal 95mm Length 85mm	Use with Axle Nuts, Chromium-Steel Suits BPW H/K ECO Plus	05.364.26.05.0
E-1914	Type 2, Hexagon (6 Point) ¾" Square Drive	Hexagonal, 4"		
0336420020	Type 3 Axle Nut Socket / Box Spanner	65mm Oblong 80mm Length	Suits BPW Lightweight 9000, including ECO Hub	03.364.20.02.0
0336424020	Type 3 Axle Cap Socket / Box Spanner	80mm, Steel Tube Galvanised	SW BPW Shape (Oblong) Suits BPW New Generation & ECO Hub	03.364.24.02.0
0333904030	Type 3 Axle Hub Cap Ring Spanner	95mm Oblong 233mm Length	Suits BPW Lightweight 9000, including ECO Hub for Axle Types H 6.5 - 9T, K 8 - 9T, N 6 - 9T	03.339.04.03.0
0333905040	Type 3 Axle Hub Cap Ring Spanner	110mm Oblong 240mm Length	Suits BPW New Generation & ECO Hub for Axle Types H/K/N: 10 - 12T	03.339.05.04.0
0336429030	Type 3 Box Spanner	SW Shape Hexagonal Socket 110mm	Use with Hub Caps, Chromium - Steel Suits BPW H/K/N ECO 6.5 - 12T & H/K ECO Plus	03.364.29.03.0
0336420030	Type 3 Box Spanner ½" Square Drive	SW BPW Shape 65mm	Use with Axle Nuts, Chromium - Steel Suits BPW H/K/N 6 - 9T Conv. & H/K/N 6 - 9T ECO	03.364.20.03.0
0336424030	Type 3 Box Spanner ½" Square Drive	SW BPW Shape 80mm	Use with Axle Nuts, Chromium - Steel Suits BPW H/K/N 10 - 12T Conv. & H/K/N 10 - 12T ECO	03.364.24.03.0
0336429020	Type 3 Box Spanner 1" Square Drive	SW BPW Shape 95mm	Use with Hub Caps, Chromium - Steel Suits BPW H/K/N 6.5 - 9T Conv.	03.364.29.02.0

AXLE TOOLS
WHEEL NUT WRENCHES



WHEEL NUT WRENCHES		
PART NO.	**DESCRIPTION**	**DIMENSIONS**
TWB032	Double end Wheel Nut Wrench	27mm x 24mm x 300mm
TWB036		32mm x 17mm x 300mm
TWB038		36mm x 27mm x 300mm
TWB041		38mm x 21mm x 395mm
TWB041A		41mm x 21mm x 395mm
TWB118		41mm x 19mm x 395mm
TWB516		1-⅛"x 1-⁵⁄₁₆" x 395mm
TWB516A		1-⁵⁄₁₆" x 1-¼" x 395mm



WHEEL NUT WRENCH HANDLES				
PART NO.	**DESCRIPTION**	**DIMENSIONS**	**APPLICATION**	**CROSS REF.**
T04-7016	Hex Handle for Wrench	¾" Hex Bar x 560mm Long	To suit TWB Axle Nut Wrench below	E-5854
BARTWW050		¾" Hex Bar x 500mm Long		



TORQUE MULTIPLIER KIT	
PART NO.	**DESCRIPTION**
309055	▌Torque Multiplier Kit 1:56 3,200Nm ▌Socket Sizes Included 24, 27, 30, 32, 33, 36 & 38mm ▌Gear Ratio 1:56 ▌Max Output 3,200Nm (2,360lb/ft)

AXLE TOOLS
THREAD REPAIR



THREAD REPAIR		
PART NO.	**DESCRIPTION**	**CROSS REF.**
T04-7015	Axle Spindle Thread Restorer Application Axle Spindle Restorer - 1-¼" to 5" Supplied with Imperial Dies TPI Range - 4, 5, 6, 7, 7-½, 8, 9, 10, 11, 11-½, 12, 14, 16, 18, 20, 24	Bosch 7402
T04-7013	Replacement Imperial Die Set for T04-7015	Bosch E-2644
T04-7014	Replacement Metric Die Set for T04-7015	

MISCELLANEOUS TOOLS — BRAKE			
PART NO.	**DESCRIPTION**	**APPLICATION**	**CROSS REF.**
0500104040	Driving Mandrel - Complete, use for S-Cam Bushes on BPW Drum Brake Axles	Suits BPW Drum Brake Axles	05.001.04.04.0
4434382200	Universal Hub Puller	Suits Z9-4218 NG Axle (used on Intradrum) - Dual Wheels & ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels	
5387004203	LiLube Fitting Paste	Suits Z9-4218 NG Axle (used on Intradrum) - Dual Wheels	
3434366000	Caliper Bolt Kit Suits One Caliper (4 bolts)	Suits ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels	
3434332700	Ratchet Wrench	Suits ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels	
3434332800S	Universal Toolbox	Suits ZI9-19W Axle - (Wabco Caliper INTEGRAL rotor) - Dual Wheels	
309039	Wheel Pan		
309035	Tyre Lever 600mm		

NOTES

AXLE TOOLS
BPW TOOL KIT

PART NO.	DESCRIPTION	APPLICATION
99.00.000.9.72	Tool Case - BPW ECO Disc TS2 / TSB, contains all tools that may be required to hand. Additionally offers special measuring devices for checking dimensions on axles & suspensions	Suits BPW ECO Disc TS2 / TSB

KIT DETAILS

PART NO.	DESCRIPTION	TSB	TS2	BPW NO.	DIMENSIONS
T1	Threaded spindle	•	•	02.0130.39.10	Tr 20 x 2 / SW 22
T2	Ball bearing	•	•	02.0130.40.10	Ø 20.5/40 x 14.5
T3	Sleeve	•	•	02.1410.26.00	Ø 20.2/42 x 75.5
T4	Extractor tool for moveable & fixed bearings	•	•	02.0130.41.10	Ø 20.5/40.1 x 71
T5	Pressing tool for moveable bearing	•		02.0130.42.10	Ø 20.5/45.8 x 48
T6	Nut	•	•	02.5270.37.00	Tr 20 x 2 / SW 32
T7/T20	Retractable plate	•	•	02.1421.25.00	Ø 20.2/53 x 13
T8	Pressing tool for fixed bearing	•	•	02.0130.43.10	Ø 20.5/45.8 x 90
T9	Press tool (plastic bellows)	•		02.0130.45.10	Ø 26.1/50 x 60
T10	Torx spanner reset	•	•	02.0130.44.10	TX 25
T11	Two-hole spanner for coarse dirt seal	•	•	02.3516.20.00	
T12	Adapter for moveable bearing bolt	•	•	02.0130.46.10	SW 14 / SW 24
T13	Adapter for sealing plug	•	•	02.0130.47.10	SW 14 / SW 12
T14	Adapter for torque wrench (moveable bearing)	•	•	02.0130.48.10	SW 14
T15	Adapter for torque wrench (sealing cap)	•	•	02.0130.49.10	SW 14
T16	Ring for inserting wheel studs	•	•	02.5683.92.00	Ø 23/46 x 15
T17	Tool for fixed bearing bolt	•	•	02.0130.64.10	SW 14 / SW 14
T18	Tool for moveable bearing bolt	•	•	02.0130.65.10	SW 14 / SW 14
T19	Assembly tool for bellows	•		02.0130.80.10	Ø 27.6/62 x 32
T21	Pressing tool for moveable bearing		•	02.0130.72.20	Ø 20.5/45.8 x 50
T22	Piston for bellow pressing tool		•	02.0130.74.20	Ø 83 / M 20 x 2
T23	Screw for bellow pressing tool		•	02.0130.73.20	M 14 x 2
T24	Spacer for bellow pressing tool		•	02.4319.42.00	SW 24 / M 20 x 2 / M 14 x 2

* TSB Indicates tools used to perform BPW TSB 3709/4309/4312
* TS2 Indicates tools used to perform BPW TS2 3709/4309

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