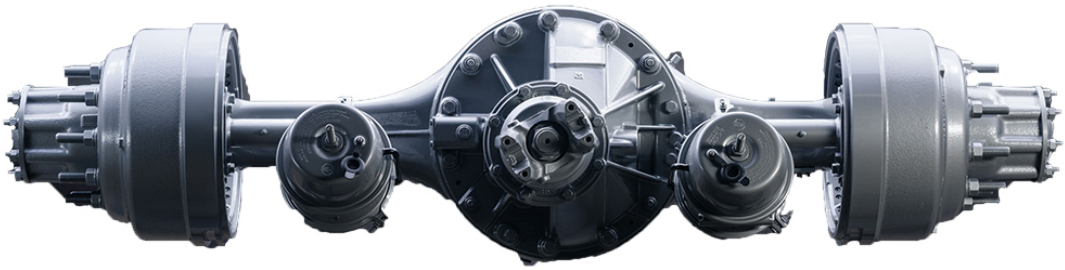

Meritor Axle Model RT-40-145 - RR-20-145 - Carrier B1-3200-R-1916

Pro Gear parts and service manual for Meritor Axle Model RT-40-145 - RR-20-145 - Carrier B13200R1916 to assist you in identifying the correct configuration of your Meritor Axle. This Meritor B13200R1916 axle, is available and ready for international shipping. Call today!

If you need any assistance identifying the correct Meritor axle unit for your truck or equipment, contact your Meritor axle replacement specialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Meritor axle RT40145 and RR20145. We have 1000's of products in shop that are ready to ship internationally for your next project.

For parts or service contact the Meritor specialists at Pro Gear & Transmission, Inc.

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MERITOR® 140, 141, 143, 144 AND 145 SERIES DRIVE AXLE PARTS CATALOG

MERITOR

PB-9147

HOW TO USE THIS CATALOG

There are 51 basic carriers covered in this catalog:

3200-R-1500	3200-T-1814	3200-N-1860	3200-M-1885	3200-P-1914	3200-F-1982
3200-M-1547	3200-U-1815	3200-S-1865	3200-P-1888	3200-R-1916	3200-H-1984
3200-X-1558	3200-V-1816	3200-Z-1872	3200-R-1890	3200-S-1917	3200-J-1986
3200-L-1624	3200-W-1817	3200-A-1873	3200-D-1902	3200-T-1918	3200-K-1987
3200-G-1645	3200-C-1849	3200-B-1874	3200-E-1903	3200-Z-1924	3200-L-1988
3200-X-1662	3200-D-1850	3200-C-1875	3200-F-1904	3200-B-1978	3200-W-2051
3200-L-1676	3200-E-1851	3200-D-1876	3200-G-1905	3200-C-1979	
3200-M-1677	3200-F-1852	3200-E-1877	3200-H-1906	3200-D-1980	
3200-Q-1785	3200-G-1853	3200-G-1879	3200-M-1911	3200-E-1981	

Major assembly differences such as oil pumps, main diff. locks, etc. are indicated by the different assembly level numbers as well as the base carrier part number. The Axle Models-Carriers-Features Chart on Page 2 lists all the variations of the carriers covered in this book.

Note: The carriers listed in this catalog do **not** include yokes. A yoke is a major assembly difference, so a carrier sold with a yoke has a different assembly level number than the same carrier without the yoke.

The charts for carriers, output shafts, and axle housings include the following information:

- An exploded view of each assembly, keyed to the parts list.
- A description of each part.
- Parts that are sold as assemblies that include other parts.
- Which carriers or axle models the part is used on.
- The quantity of the part used on the carrier or axle.
- The part number of each part.
- Whether the part is available in a kit.

Carrier Parts: Determine which Chart and Figure (1 or 2) applies to your carrier by using the following sources of information:

- Identification tag installed on the carrier.
- Axle Models-Carrier-Features Chart.
- Pictures and descriptions of the carriers inside the front cover and at the beginning of Chart 1 and Chart 2.

Output (Thru) Shafts: This chart covers the output shafts for the forward axles of all tandems. Note that the output shaft assembly or its components are only sold as separate items. The output shaft is **not** included with the purchase of a carrier or housing.

Housing Assemblies and Wheel End Parts: This chart covers the housing assemblies and wheel end parts for all axles. The parts are listed according to axle models and the two wheel end series (L Series or R Series) that are used on 140, 141, 143, 144 and 145 series axles.

Axle Shafts: The axle shafts are grouped in sets (L.H. and R.H.) according to the axle models they are used on. Many axle shaft sets are used on more than one axle model. The axle shafts are also listed by part number with dimensions.

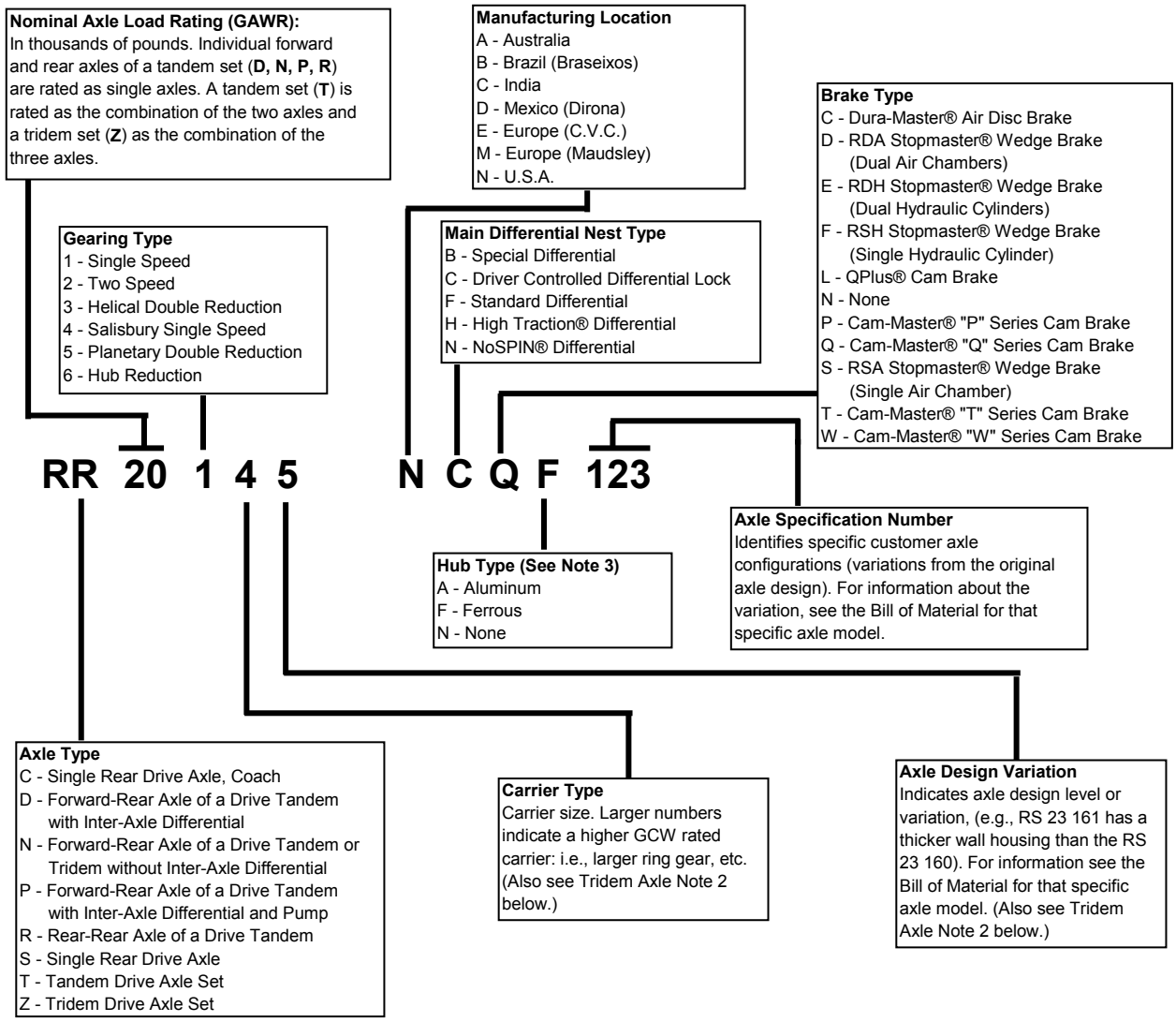
Yokes and Flanges: There are five charts that cover full round bearing yokes, wing bearing yokes, Easy Service yokes, RPL yokes and flanges. Each chart lists the yokes or flanges used on each axle model. The yokes and flanges are listed by dimension.

Kits: The first chart lists all the kits available for each axle model and carrier. Following that chart, the kits are listed in numerical order, and the contents of each kit is listed.

Numerical Parts Index: This lists every part number in the catalog along with the page(s) on which the part is listed.

Rear Drive Axles

Model Numbers and Designations - OLD STYLE



NOTE 1:
If a complete axle designation is not required, use the first seven positions of the model designation to identify the basic axle model.
EXAMPLES OF BASIC AXLE MODELS:

RS 17 140 - Single Rear Drive, 17,000 lb., Single Speed, 15" Ring Gear, 140 Carrier Model.

RT 48 380 - Tandem Drive Axle Set, 48,000 lb., Helical Double Reduction, 19.62" Ring Gear, 380 Carrier Model.

RZ 60 164 - Tridem Drive Axle Set, 60,000 lb., Single Speed, Includes a 150 Series Forward Rear or First Axle and a 145 Series Tandem Axle Set as the Second and Third Axles.

NOTE 2, FOR TRIDEM AXLES ONLY:
For a Tridem Drive Axle Set (**RZ**), the number in the sixth position designates the carrier in the first axle. The number in the seventh position designates the carriers in the second and third axles.

NOTE 3:
Some axle designations or specifications do not have a hub type code.

Rear Drive Axles

Model Numbers and Designations - NEW STYLE

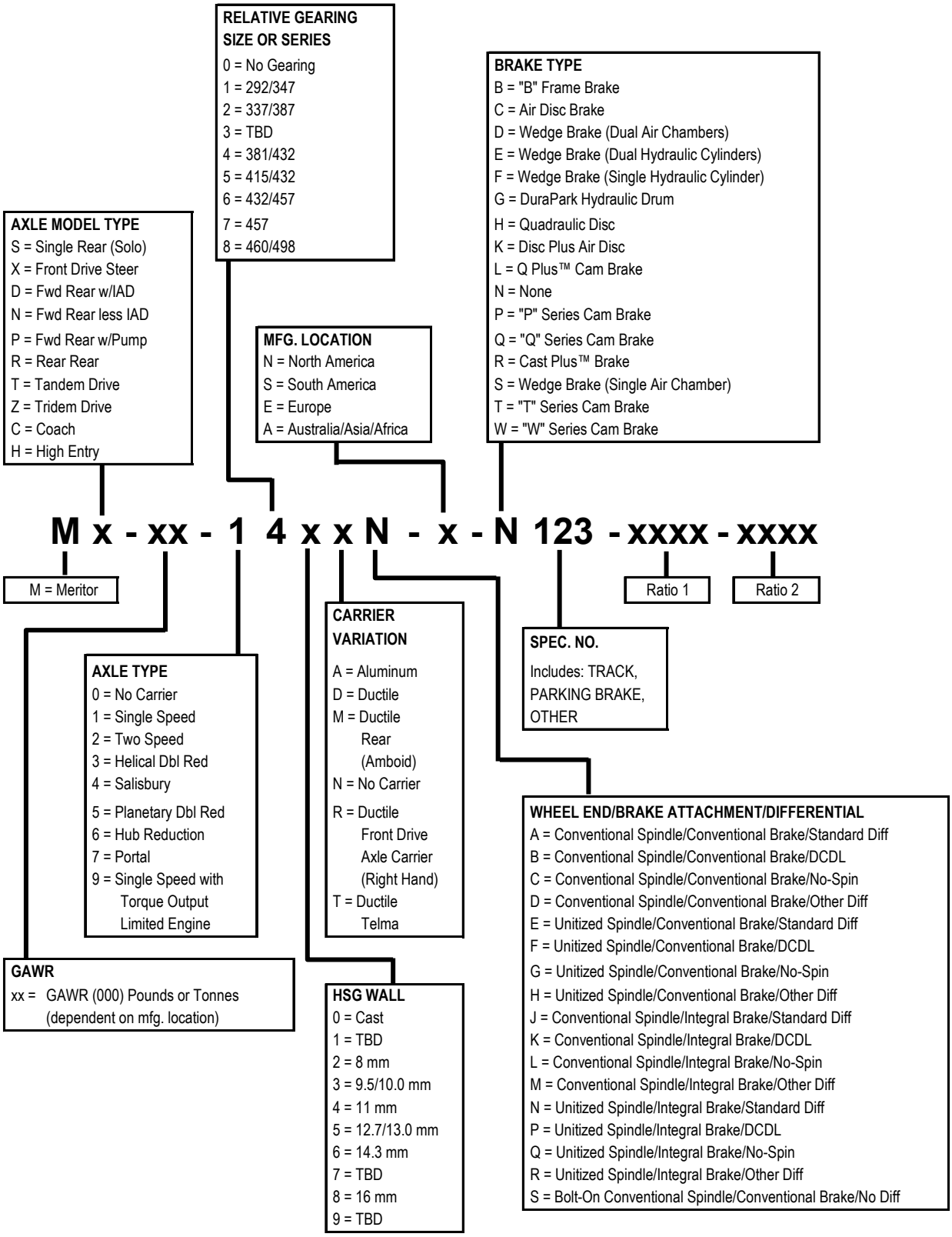


FIGURE 1
FORWARD CARRIERS OF TANDEM AXLES
(USE WITH CHART 1)

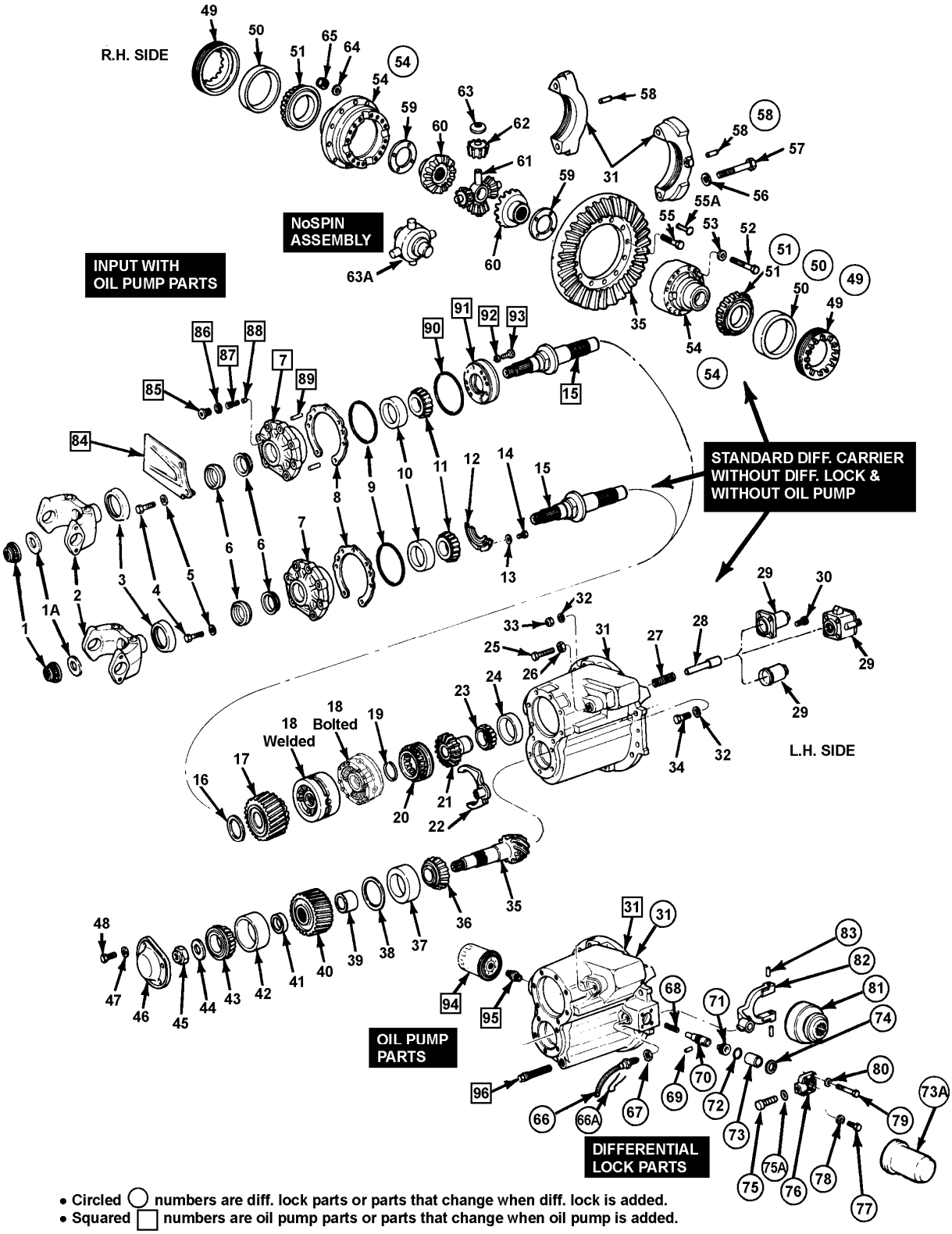
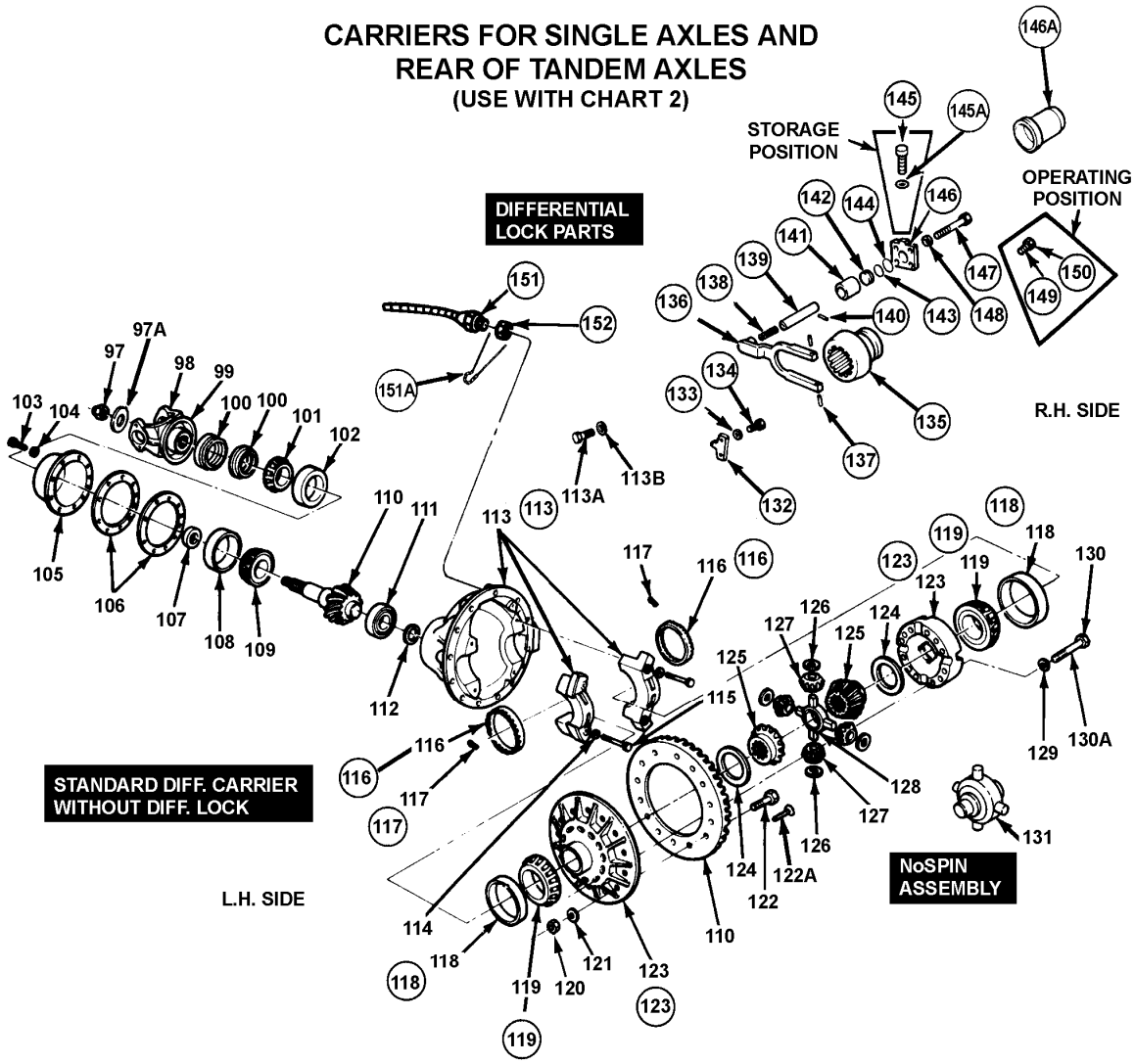


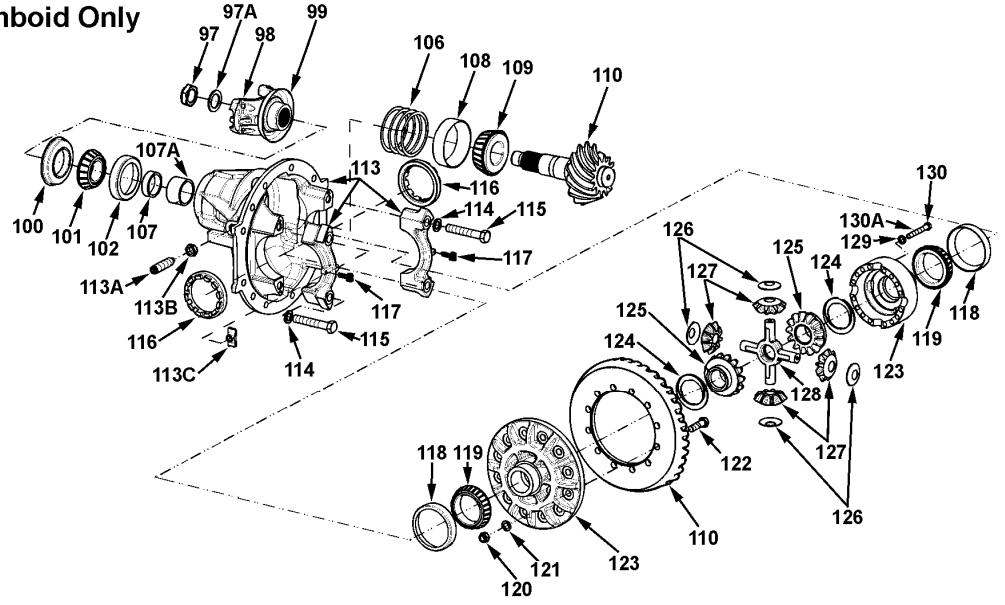
FIGURE 2

CARRIERS FOR SINGLE AXLES AND REAR OF TANDEM AXLES

(USE WITH CHART 2)

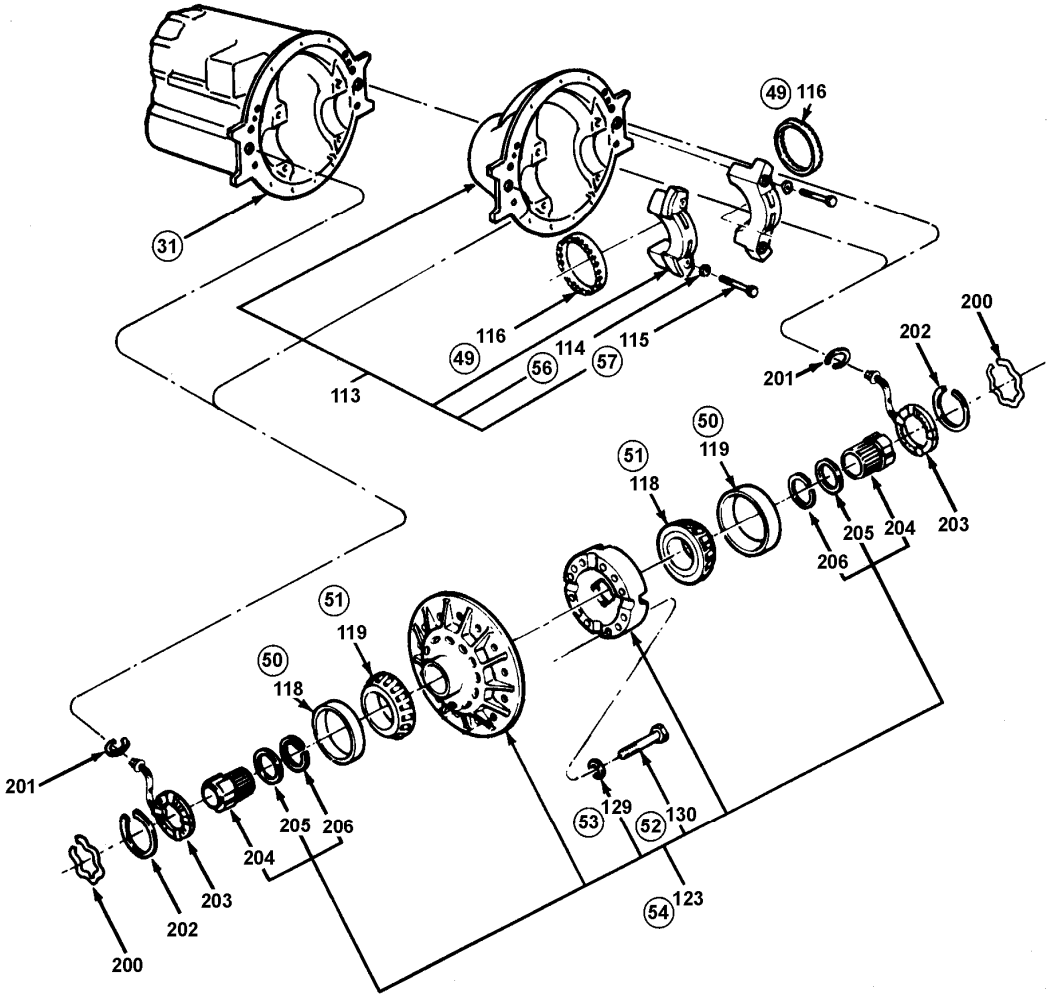


Amboid Only

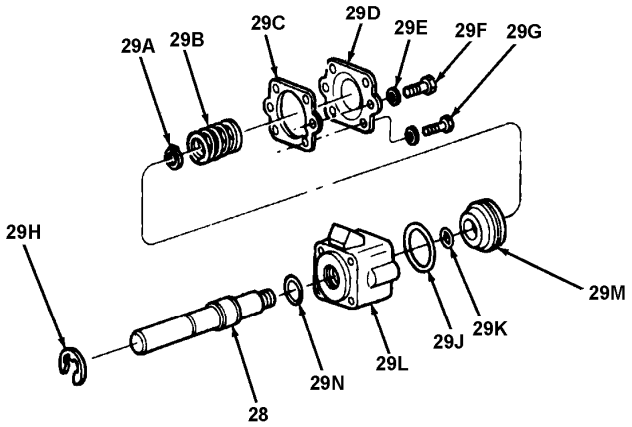


• Circled ◯ numbers are diff. lock parts or parts that change when diff. lock is added.

SUPPLEMENTAL DRAWING
CARRIERS WITH INTERNAL A.B.S.



EXPLODED VIEW OF REVERSE AIR SHIFT UNIT



• Circled ◯ numbers are diff. lock parts or parts that change when diff. lock is added.

TABLE OF CONTENTS

Page

Carriers & Features of Current Axle Models.....2

Forward Carriers of Tandem Axles.....3

Carriers for Single Axles and Rears of Tandem Axles.....10

Output (Thru) Shafts.....20

Housing Assemblies and Wheel End Parts.....21

Axle Shafts.....22

Yokes and Flanges
- Full Round Bearing Yokes.....27
- Wing Bearing Yokes.....28
- Easy Service Yokes.....29
- RPL Yokes.....30
- Companion Flanges.....31

Axle Model to Carrier to Kit Cross Reference.....32

Service Kits.....38

Numerical Parts Index.....53

Warranty.....60

Blue part numbers link to our listing. ▶ = add that part to your cart.

CURRENT AXLE MODELS - CARRIERS - FEATURES

AXLE MODELS			CARRIERS	MAIN DIFF. LOCK	NO SPIN ® DIFF.	OIL PUMP	A.B.S.	AXLE SPLINE	RATIOS AVAIL.	STD. IAD SHIFT (UNLESS NOTED)
RS-16-140			A23-3200-M-1547					1.85" - 36	3.42 thru 7.17	
RS-17-140			B2-3200-L-1676					2.00" - 39		
(SINGLE AXLE)			B11-3200-L-1676		●					
RS-16-141 (SINGLE AXLE)			B7-3200-S-1865							
RS-17-141 (SINGLE AXLE)			B7-3200-S-1865							
RS-17-145			B7-3200-L-1676						2.79 thru 3.21	
RS-19-145			B7-3200-S-1865						3.42 thru 7.17	
(SINGLE AXLE)			B9-3200-L-1676		●				2.79 thru 3.21	
			B9-3200-S-1865		●				3.42 thru 7.17	
RS-17-144			B4-3200-L-1676					2.10" - 41	2.64 thru 3.21	
RS-19-144			B4-3200-S-1865						3.42 thru 7.17	
RS-21-145			B1-3200-G-1879	●					2.64 thru 7.17	
(SINGLE AXLE)			B8-3200-L-1676		●				2.64 thru 3.21	
			B8-3200-S-1865		●				3.42 thru 7.17	
RT-34-145	Fwd	RD-17-145	B4-3200-G-1645					2.00" - 39	2.79 thru 7.17	REVERSE
			A6-3200-B-1978							
			A8-3200-B-1978		●					
			B6-3200-F-1852				●			
		RP-17-145	A6-3200-H-1984			●				
			A8-3200-H-1984		●	●				
	Rear	RR-17-145	B7-3200-L-1676						2.79 thru 3.21	
			B7-3200-S-1865						3.42 thru 7.17	
			B9-3200-L-1676		●				2.79 thru 3.21	
			B9-3200-S-1865		●				3.42 thru 7.17	
			B4-3200-E-1851				●			
RT-40-140	Fwd	RD-20-140	A1-3200-B-1978					2.10" - 41	2.64 thru 7.17	
			B1-3200-G-1645							REVERSE
	Rear	RR-20-140	B4-3200-S-1865							
MT-40-143	Fwd	MD-20-143	A1-3200-B-1978							
			A1-3200-E-1981	●						
			A1-3200-C-1979 *							
		MP-20-143	A1-3200-H-1984			●				
	Rear	MR-20-143M	A-3200-W-2051						2.64 thru 4.11	
		MR-20-143	B4-3200-L-1676						2.64 thru 3.21	
			B4-3200-S-1865						3.42 thru 7.17	
			B1-3200-M-1885 *						2.79 thru 7.17	
RT-34-144	Fwd	RD-17-144	A1-3200-B-1978						2.64 thru 7.17	
RT-38-144		RD-19-144	B1-3200-G-1645							REVERSE
RT-40-145		RD-20-145	A1-3200-E-1981	●						
			A4-3200-B-1978		●					
			B1-3200-E-1903	●						REVERSE
			A1-3200-C-1979 *							
			B1-3200-S-1917 *				●			
			B1-3200-F-1852				●			
		RP-17-144	A1-3200-K-1987	●		●				
		RP-19-144	B1-3200-D-1902	●		●				REVERSE
		RP-20-145	A1-3200-H-1984			●				
			B1-3200-X-1662			●				REVERSE
			A4-3200-H-1984		●	●				
			B1-3200-G-1853			●	●			
	Rear	RR-17-144	B4-3200-L-1676						2.64 thru 3.21	
		RR-19-144	B4-3200-S-1865						3.42 thru 7.17	
		RR-20-145	B1-3200-G-1879	●					2.64 thru 7.17	
			B8-3200-L-1676		●				2.64 thru 3.21	
			B8-3200-S-1865		●				3.42 thru 7.17	
			B1-3200-M-1885 *						2.79 thru 7.17	
			B1-3200-R-1916 *				●			
			B1-3200-D-1850				●		2.64 thru 3.21	
			B1-3200-E-1851				●		3.42 thru 7.17	
RT-44-145	Fwd	RD-22-145	A1-3200-D-1980						3.42 thru 5.86	
			A1-3200-F-1982	●						
		RP-22-145	A1-3200-J-1986			●				
			A1-3200-L-1988	●		●				
			B1-3200-T-1918	●		●				REVERSE
			B1-3200-P-1914			●				REVERSE
	Rear	RR-22-145	B1-3200-A-1873							
			B6-3200-A-1873		●					
			B1-3200-F-1904	●						
			B1-3200-Z-1924							

*** Indicates aluminum carrier housing. (Not available in 2.64 ratio.)**

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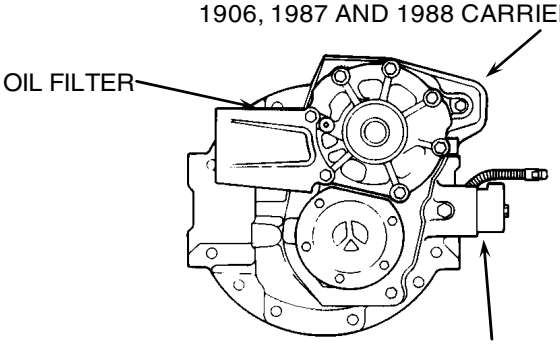
CHART 1
FORWARD CARRIERS OF TANDEM AXLES
(Use with Figure 1, Inside Front Cover)

VISUAL IDENTIFICATION OF FORWARD CARRIERS

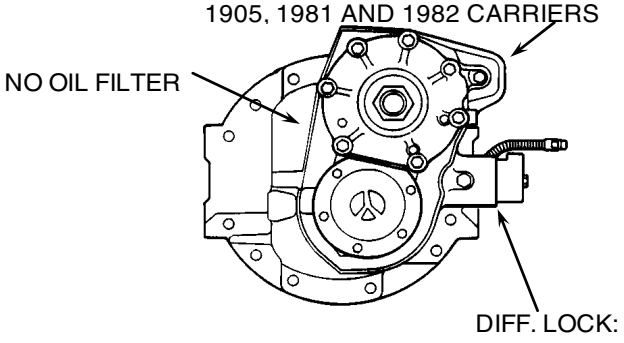
IAD SHIFTER:
BOLT ON FOR 1624, 1902, 1911, 1918
SCREW-IN FOR 1817, 1877, 1888,
1906, 1987 AND 1988 CARRIERS



BOLT-ON FOR 1624 AND 1817 CARRIERS
SCREW-IN FOR 1877, 1888, 1902, 1906,
1911, 1918, 1987 AND 1988 CARRIERS

FORWARD CARRIERS WITH IAD, DIFF. LOCK
AND OIL PUMP: 3200-L-1624, 3200-W-1817,
3200-E-1877, 3200-P-1888, 3200-D-1902,
3200-H-1906, 3200-M-1911, 3200-T-1918,
3200-K-1987, 3200-L-1988

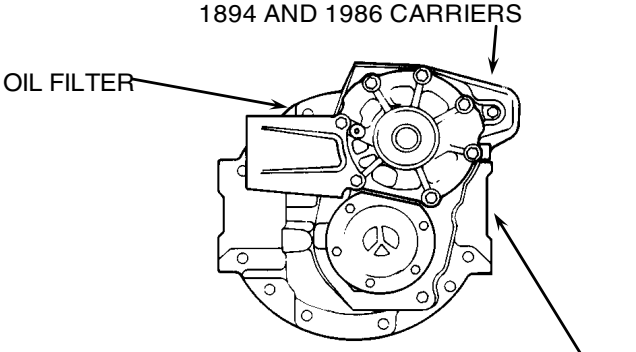
IAD SHIFTER:
BOLT ON FOR 1677 AND 1903
SCREW-IN FOR 1815, 1875, 1890,
1905, 1981 AND 1982 CARRIERS



BOLT-ON FOR 1677 AND 1815 CARRIERS
SCREW-IN FOR 1875, 1890, 1903, 1905,
1981 AND 1982 CARRIERS

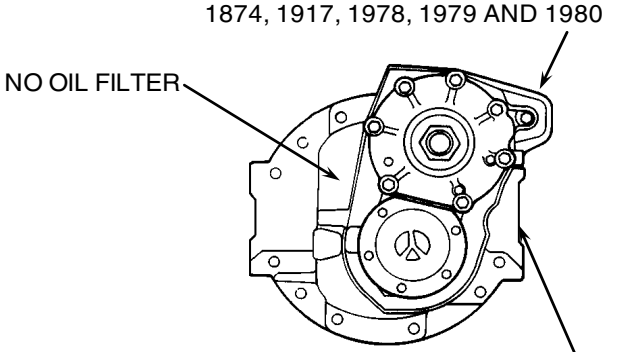
FORWARD CARRIERS WITH IAD AND
DIFF. LOCK WITHOUT OIL PUMP
3200-M-1677, 3200-U-1815, 3200-C-1875,
3200-R-1890, 3200-E-1903, 3200-G-1905,
3200-E-1981, 3200-F-1982

IAD SHIFTER:
BOLT-ON FOR 1662 AND 1914
SCREW-IN FOR 1816, 1853, 1876,
1894 AND 1986 CARRIERS



FORWARD CARRIERS WITH IAD AND OIL PUMP
WITHOUT DIFF. LOCK: 3200-X-1662,
3200-V-1816, 3200-G-1853, 3200-D-1876,
3200-P-1914, 3200-H-1984, 3200-J-1986

IAD SHIFTER:
BOLT ON FOR 1645 CARRIER
SCREW-IN FOR 1814, 1852, 1860,
1874, 1917, 1978, 1979 AND 1980



FORWARD CARRIERS WITH IAD WITHOUT DIFF.
LOCK OR OIL PUMP: 3200-G-1645, 3200-T-1814,
3200-F-1852, 3200-N-1860, 3200-B-1874, 3200-S-1917,
3200-B-1978, 3200-C-1979, 3200-D-1980

THE FOLLOWING CARRIERS ARE EQUIPPED WITH A THRUST SCREW:
3200-A-1873, 3200-B-1874, 3200-C-1875, 3200-D-1876, 3200-E-1877, 3200-F-1904, 3200-G-1905,
3200-H-1906, 3200-M-1911, 3200-T-1918, 3200-P-1914, 3200-D-1980, 3200-F-1982, 3200-J-1986, 3200-L-1988

THE FOLLOWING CARRIERS ARE MACHINED FOR INTERNAL ABS SENSORS:
3200-F-1852, 3200-G-1853, 3200-S-1917

FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
1 ▶	Nut - input yoke and shaft		Included in KIT 2826	All after 11/93	1	40-X-1233
			Included in KIT 2637	All prior to 11/93		40-X-1237
1A ▶	Washer - input shaft nut		Included in KIT 2826	All after 11/93	1	1229-N-1730
			Included in KIT 2637	All prior to 11/93		1229-T-1736
4	Capscrew - input bearing cage			All	7	MS-212045-1
5	Washer - input bearing cage			All	7	1229-C-1511
6	Oil seal - input bearing cage		3" I.D.	All prior to 11/93	1	R945008
			3.25" I.D.	All after 11/93		A1-1205-X-2728
7, 10 ▶	Bearing cage and cup assy. - input			All w/o pump after 11/93	1	A-3226-V-1296
				All w/o pump prior to 11/93		A-3226-B-1224
				All with pump after 11/93		A-3226-D-1226
				All with pump prior to 11/93		A-3226-Z-1222
8	Shim - input bearing cage	.075mm/.003 inch	Included in KIT 2429	All	Use as req.	2203-K-9241
		.125mm/.005 inch				2203-L-9242
▶		.250mm/.010 inch				2203-M-9243
9	O-ring - input bearing cage			Less pump	1	5-X-1343[1]
				With pump	1 ea.	5-X-1343[1]
▶						5-X-1034[1]
10 ▶	Cup - input shaft bearing - outer			All	1	3920
11	Cone - input shaft bearing - outer			All after 11/93	1	JM-511945
▶				All prior to 11/93		JM-511946
12 ▶	Baffle - oil			All w/o pump	1	3221-P-1004
13 ▶	Washer - oil baffle			All w/o pump	3	1229-E-1669
14	Capscrew - oil baffle			All w/o pump	3	MS-208016-1
15, 1 ▶	Input shaft and nut assy.		Less pump 2"-39 spline	All prior to 11/93	1	KIT 2834[2]
			Less pump 2.38"-46 spline	All after 11/93		A-3297-U-1347
	Input shaft, nut, ball assy.		2.38"-46 spline. With pump			A-3297-T-1346
			Pump driven off flats on the input shaft. 2"-39 spline	All prior to 8/91		KIT 2835[2]
▶			Pump driven off splines on the input shaft. 2"-39 spline	All from 8/91 to 11/93		KIT 2833[2]
▶						
16	Thrust washer - helical drive gear			All	1	1229-S-4985
17	Helical gear and forward side gear			All	1	KIT 4007
18 ▶	Diff. case and pinion nest assy. - inter-axle		Bolted	1978, 1979, 1980, 1981, 1982, 1984, 1986, 1987, 1988 carriers after 10/98	1	A-3235-N-2380
▶			Welded	All except 1624 / prior to 10/98		A-3235-W-2025
▶			Bolted	1624 carrier only		KIT 2743
18A ▶	Case halves and fastener hardware			For bolted version only. All after 10/98	1	A2-3235-N-2380
18B ▶	Bolt				8	MS210045A-1
18C	Washer					1229-K-1597
18D ▶	Spider		Included in KIT 2420		1	3278-A-1119
18E ▶	Pinion gear				4	2233-U-1035
18F ▶	Pinion gear thrust washer					1229-T-1606
19	Snap-ring - inter-axle differential			All	1	2297-E-5335
20	Clutch collar - inter-axle diff.				1	3107-M-1183
21	Side gear - inter-axle diff.			All	1	2234-R-1188
22	Shift fork - inter-axle diff.			All	1	3296-Z-1326
23	Cone - rear side gear bearing			All	1	JLM-710949C
24	Cup - rear side gear bearing			All	1	JLM-710910
25	Adjusting screw - shift shaft			All	1	41-X-1208
26	Jam nut - adjusting screw			All	1	MN-312-1
27	Spring - shift shaft return			All except "reverse-air"	1	2258-U-411
28	Shift shaft - inter-axle differential			All except "reverse-air"	1	2244-K-1025
			Bolt-on style, Navistar only (reverse-air)	Included in KIT 2686 and KIT 2445		2244-D-1070
29	Shift assy. - inter-axle diff. air		Bolt-on style, Navistar only (reverse-air)	Included in KIT 2445	1	A-3261-R-1084
			Bolt-on style, serviced as assembly only			A-3261-L-350
			Screw-in style, serviced as assembly only			KIT 2825
29A	Snap ring		Bolt-on style, Navistar only (reverse-air)	Included in KIT 2445	1	1229-P-4280
29B	Spring - shift				1	2258-E-1175

▶ 1 5-X-1034 is used in pump groove. 5-X-1343 is used in input cage.

2 Must change input yoke to 2.35"-46 spline. See Service Kit section for Bill of Material details.

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FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION	REMARKS	CARRIER	QTY	PART NUMBER
29C	Gasket - shift assembly	Bolt-on style, Navistar only (reverse-air)	Included in KIT 2445	1	**2208-R-1058**
29D	Cover - shift assembly			1	**3266-Q-1161**
29E	Washer - shift assembly capscrew			6	**MWA-506**
29F	Capscrew - shift assembly short			2	**41-X-1080**
29G	Capscrew - shift assembly to carrier			4	**MS-206060-1**
29H	O-ring			1	**5-X-1196**
29J	O-ring			1	**5-X-1197**
29K	O-ring			1	**5-X-1195**
29L	Housing - shift			1	**3261-R-1084**
29M	Piston - shift assembly			1	**2230-D-1096**
29N	Snap ring			1	**1229-W-1245**
30	Capscrew - air shift assembly		1624, 1645, 1662, 1677	1	**41-X-1209**
31, 56, 57	Diff. carrier and cap assy. Kit incl. carrier and cap assy. and screw-in IAD shifter. Main diff. lock components included where applicable	With pump and thrust screw, w/o main diff. lock. Bolt-on reverse IAD shifter	3200-P-1914	1	**A2-3200-P-1914**
		With pump, diff. lock and bolt-on IAD shifter	All 1624 except Navistar (Reverse-shift)		**KIT 2705**
		With pump, main diff. lock and thrust screw. Bolt-on	3200-T-1918		**A2-3200-T-1918**
		With pump, w/o diff. lock with bolt-on IAD shifter	All 1662 except Navistar (Reverse-shift)		**KIT 2707**[18]
		With pump, w/o diff. lock with screw-in and IAD shifter, with thrust screw	3200-D-1876, 3200-J-1986		**A2-3200-J-1986**
		With pump, w/o diff. lock, with bolt-on IAD shifter and thrust screw	3200-X-1662 (Reverse-shift only)		**A2-3200-X-1662**
		With pump, w/o diff. lock, with screw-in IAD shifter	3200-V-1816, 3200-H-1984		**A2-3200-H-1984**
		With pump, w/o diff. lock, with screw-in IAD shifter, for use with internal ABS sensor	3200-G-1853		**A2-3200-G-1853**
		With pump, with bolt-on diff. lock and IAD shifter, with thrust screw	3200-L-1624, 3200-D-1902 (Reverse-shift only)		**A2-3200-D-1902**
			3200-M-1677, 3200-E-1903 (Reverse-shift only)		**A2-3200-E-1903**
		With pump, with screw-in diff. lock and IAD shifter	3200-W-1817, 3200-P-1888, 3200-K-1987		**A2-3200-K-1987**
		With pump, with screw-in diff. lock and IAD shifter, with thrust screw	3200-E-1877, 3200-H-1906, 3200-L-1988		**A2-3200-L-1988**
		Without pump and main diff. lock, Aluminum carrier	3200-N-1860, 3200-C-1979		**A2-3200-C-1979**
		Without pump and main diff. lock, Aluminum carrier (for ABS)	3200-S-1917 (Reverse-shift only)		**A2-3200-S-1917**
		Without pump or diff. lock for use with internal ABS sensor, screw-in IAD shifter	3200-F-1852		**A2-3200-F-1852**
		Without pump or diff. lock, for use with bolt-on IAD shifter and thrust screw	3200-G-1645 (Reverse-shift only)		**A2-3200-G-1645**
		Without pump or diff. lock, with bolt-on IAD shifter	All 1645 except Navistar (Reverse-shift)		**KIT 2706**
		Without pump or diff. lock, with screw-in IAD shifter	3200-T-1814, 3200-B-1978		**A2-3200-B-1978**
		Without pump or diff.lock, with screw-in IAD shifter and thrust screw	3200-B-1874, 3200-D-1980		**A2-3200-D-1980**
		Without pump, with diff. lock and bolt-on IAD shifter	All 1677 except Navistar (Reverse-shift)		**KIT 2704**
		Without pump, with screw-in diff. lock and IAD shifter	3200-U-1815, 3200-R-1890, 3200-E-1981		**A2-3200-E-1981**
		Without pump, with screw-in diff. lock and IAD shifter, with thrust screw	3200-C-1875, 3200-G-1905, 3200-F-1982		**A2-3200-F-1982**

18 For replacement information, contact Information Services at 888-725-9355.

FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
32	Jam nut				1	**40-X-1016**
34	Thrust screw				1	**41-X-1371**
35, 44, 45	Drive gear, pinion and nut assembly	2.64 Ratio	Some models may not be available in all ratios		Use 1 as req.	**B-41718-1[1]**
		2.79 Ratio				**A-41676-1[2]**
		2.93 Ratio				**A-41104-1**
		3.07 Ratio				**A-41508-1**
		3.21 Ratio				**A-41510-1**
		3.42 Ratio				**B-41276-1**
		3.58 Ratio				**B-41512-1**
		3.73 Ratio				**B-41514-1**
		3.90 Ratio				**B-41678-1[3]**
		4.11 Ratio				**B-41680-1[4]**
		4.33 Ratio				**B-41278-1**
		4.56 Ratio				**B-41562-1**
		4.63 Ratio				**B-41280-1**
		4.88 Ratio				**B-41282-1**
		5.29 Ratio				**B-41284-1**
		5.86 Ratio				**B-41466-1**
		6.14 Ratio				**A-41468-1**
		6.43 Ratio				**A-41470-1**
		6.83 Ratio				**A-41472-1**
		7.17 Ratio				**A-41474-1**
		3.36 Ratio	Amboid gearing to be used only if there is a rear/rear Amboid carrier.			**B-42214-1**
		3.55 Ratio				**B-42216-1**
		3.70 Ratio				**B-42218-1**
36	Cone - drive pinion inner bearing			All	1	**H715334**
37	Cup - drive pinion inner bearing			All	1	**H715311**
38	Shim - pinion inner bearing cup	.075mm/.003 inch	Included in KIT 1647 and KIT 2429	All	Use as req.	**2203-F-2788**
		.125mm/.005 inch				**2203-G-2789**
		.250mm/.010 inch				**2203-H-2790**
39	Spacer - pinion bearing inner			All	1	**1244-V-1764**
40	Gear - helical driven			All	1	**3892-N-4902**
41	Spacer - pinion bearing (variable thickness)	5.30mm/.209 inch	Included in KIT 2396	All	Use 2 as req.	**2203-D-9806**
		5.33mm/.210 inch				**2203-E-9807**
		5.35mm/.211 inch				**2203-F-9808**
		5.38mm/.212 inch				**2203-G-9809**
		5.40mm/.123 inch				**2203-H-9810**
		5.50mm/.217 inch				**2203-J-9812**
		5.60mm/.220 inch				**2203-K-9813**
		5.70mm/.224 inch				**2203-L-9814**
		5.80mm/.228 inch				**2203-M-9815**
		5.90mm/.232 inch				**2203-N-9816**
		6.00mm/.236 inch				**2203-P-9818**
		6.10mm/.240 inch				**2203-Q-9819**
		6.13mm/.241 inch				**2203-R-9820**
		6.15mm/.242 inch				**2203-S-9821**
		6.18mm/.243 inch				**2203-T-9822**
		6.20mm/.244 inch				**2203-U-9823**
42	Cup - drive pinion outer bearing			All	1	**72487**
43	Cone - drive pinion outer bearing			All	1	**72212C**
44	Washer - drive pinion nut		Use with 40-X-1145	145 series only	1	**1229-G-4063[5]**
			Use with 40-X-1233	140, 144, 145 series only		**1229-W-4521[7]**
45	Nut - drive pinion		M45x1.5-6H thd.	140, 144, 145 series only	1	**40-X-1233[7]**
			M50x2-6H thd.	145 series only		**40-X-1145[5]**
46	Cover - drive pinion			All	1	**3266-C-1095**
47	Washer - drive pinion cover			All	5	**1229-K-1597**
48	Capscrew - drive pinion cover			All except aluminum	5	**MS-210020-1**
				Aluminum only		**MS-210030-1**
49	Adjusting ring - diff. bearing	L.H.		All with diff. lock	1	**2214-Y-1039**
		L.H. and R.H.		All without diff. lock	2	**2214-C-1095**
		R.H.		All with diff. lock	1	**2214-C-1095**
50	Cup - diff. bearing	L.H.		All with diff. lock	1	**1228-L-1130**
		L.H. and R.H.		All without diff. lock	2	**JM-716610**
		R.H.		All with diff. lock	1	**JM-716610**

1 Not available in the aluminum carrier.
2 Replaces A-39908-3 (2.80 ratio)
3 Replaces B-41516-1 (3.91 ratio)
4 Replaces B-41518-1 (4.10 ratio)
5 Used in special 145 applications only.
6 2.10"-41 spline
7 Included in KIT 2638.

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FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
51	Cone - diff. bearing	L.H.		All with diff. lock	1	A-1228-L-1130
		L.H. and R.H.		All without diff. lock	2	JM-716649
		R.H.		All with diff. lock	1	JM-716649
52	Capscrew - main diff. case		Included in KIT 2819	All	16	41-X-1327
53	Washer - main diff. case			All	16	1229-D-4632
54, 52, 53	Case assy. standard - main diff.		Ratios 2.64, 2.79, 2.93	With diff. lock	Use 1 as req.	A2-3235-V-1920
				Without diff. lock		A8-3235-V-1920
			Ratios 3.07, 3.21, 3.36	With diff. lock		A2-3235-S-1839
				Without diff. lock		A8-3235-S-1839
			Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 4.11 (All except RT44145 tandem)	With diff. lock		A2-3235-U-1841
				Without diff. lock		A8-3235-U-1841
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (RT44145 tandem only)	With diff. lock		KIT 2664
				Without diff. lock		KIT 2665
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (RT44145 tandem only)	With diff. lock		KIT 2648
				Without diff. lock		KIT 2647
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (Except RT44145 tandem)	With diff. lock		A2-3235-W-1843
				Without diff. lock		A8-3235-W-1843
54, 52, 53, 204, 205, 206	Case assy. with ABS tubes - main diff.		Ratios 3.07, 3.21		Use 1 as req.	A2-3235-M-2171[5]
						A3-3235-M-2171[6]
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (All except RT44145 tandem)			A2-3235-L-2170[9]
						A3-3235-L-2170[6]
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (Except RT44145 tandem)			A3-3235-J-2168[6]
						A2-3235-J-2168[5]
54, 52, 53, 59, 60, 62, 63	Case & nest assy. standard - main diff.		Ratios 2.64, 2.79, 2.93	With diff. lock	Use 1 as req.	A3-3235-V-1920[6]
				Without diff. lock		A9-3235-V-1920[6]
						A10-3235-V-1920[5]
			Ratios 3.07, 3.21, 3.36	With diff. lock		A3-3235-S-1839[6]
				Without diff. lock		A10-3235-S-1839[5]
						A9-3235-S-1839[6]
			Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 4.11 (All except RT44145 tandem)	With diff. lock		A3-3235-U-1841[6]
				Without diff. lock		A10-3235-U-1841[5]
						A9-3235-U-1841[6]
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (RT44145 tandem only)	With diff. lock		A11-3235-D-2188[6]
				Without diff. lock		A10-3235-D-2188[6]
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (All except RT44145 tandem)	With diff. lock		A3-3235-W-1843[6]
				Without diff. lock		A10-3235-W-1843[5]
						A9-3235-W-1843[6]
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (RT44145 tandem only)	With diff. lock		A11-3235-T-2152[6]
				Without diff. lock		A10-3235-T-2152[6]
54, 52, 53, 59, 60, 62, 63, 204, 205, 206	Case & nest assy. with ABS tubes - main diff.		Ratios 3.07, 3.21		Use 1 as req.	A4-3235-M-2171[5]
						A5-3235-M-2171[6]
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (All except RT44145 tandem)			A5-3235-L-2170[6]
						A4-3235-L-2170[5]
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (All except RT44145 tandem)			A5-3235-J-2168[6]
						A4-3235-J-2168[5]
54, 52, 53, 63A	Case & nest assy. with NoSPIN diff. - main diff.		Ratios 2.64, 2.79, 2.93		Use 1 as req.	A11-3235-V-1920[6]
						A12-3235-V-1920[5]
			Ratios 3.07, 3.21			A12-3235-S-1839[5]
						A11-3235-S-1839[6]
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (All except RT44145 tandem)			A11-3235-U-1841[6]
						A12-3235-U-1841[9]
			Ratios 3.42, 3.58, 3.73, 3.90, 4.11 (RT44145 tandem only)			A4-3235-D-2188[6]
			Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (All except RT44145 tandem)			A12-3235-W-1843[5]
						A11-3235-W-1843[6]

5 2.00"-39 spline
6 2.10"-41 spline
9 2.00"-39 spline. No longer available.

FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION	REMARKS	CARRIER	QTY	PART NUMBER
54, 52, 53, 63A (Cont)	Case & nest assy. with NoSPIN diff. - main diff.	Ratios 4.30, 4.56, 4.63, 4.88, 5.29, 5.86, 6.14, 6.43, 6.83, 7.17 (RT44145 tandem only)		Use 1 as req.	A4-3235-T-2152[6]
55	Bolt - gear to case	Included in KIT 2317		12	41-X-1216
55A	Rivet - gear to diff. case	For service, rivets can be replaced with KIT 2317		12	RV-71016
56	Washer - diff. bearing cap		All	4	42-X-1021
57	Capscrew - diff. bearing cap		All except aluminum	4	MS-220120-1
			Aluminum only		41-X-1365
58	Pin - adjusting ring lock L.H.		All with diff. lock	1	1246-P-1134
	L.H. and R.H.		All without diff. lock	2	1199-R-2176
	R.H.		All with diff. lock	1	1199-R-2176
59	Thrust washer - side gear (Items 59-63 are not used in NoSPIN models. See Item 63A)		All after 11/93	2	1229-V-4624
			All prior to 11/93		1229-X-4522
60	Side gear – differential (Items 59-63 are not used in NoSPIN models. See Item 63A)	Included in KIT 2310	All 40,000 lb. tandems after 11/93	2	2234-U-1269[6]
		Included in KIT 2389	All 34,000 lb. tandems after 11/93		2234-V-1270[5]
		Included in KIT 2696	RT44145 tandems after 11/93		2234-X-1272[6]
			All 40,000 lb. tandems prior to 11/93		KIT 2759[6]
			All 34,000 lb. tandems prior to 11/93		KIT 2758[5]
			RT44145 tandems prior to 12/92		KIT 2696[6]
			RT44145 tandems from 1/93 to 11/93		KIT 2760[6]
61	Spider - differential (cross) (Items 59-63 are not used in NoSPIN models. See Item 63A)		All exc 44,000 lb. tandems	1	3278-S-305
		Included in KIT 2696	44,000 lb. tandems only		3278-Y-1117F
62	Gear - differential pinion (Items 59-63 are not used in NoSPIN models. See Item 63A)		All axles except RT44145 tandems produced after 1/93	4	2233-J-1024
			RT44145 tandems produced after 1/93		2233-X-1116
63	Thrust washer - diff. pinion (Items 59-63 are not used in NoSPIN models. See Item 63A)			4	1229-R-1032
63A	NoSPIN diff. nest	Serviced as assembly only. Replaces items 59-63.	All 34,000 lb. capacity tandems	1	A-3230-U-1035[5]
			All 40,000 & 44,000 lb. capacity tandems		A-3230-T-1034[6]
64	Washer - gear to diff. case	Included in KIT 2317	All	12	1229-U-1503
65	Nut - gear to diff. case		All	12	40-X-1182

Note: The following parts are used only on forward carriers with main differential lock.

66	Sensor/switch - main diff. lock	Included in KIT 4455		1	3237-W-1167
66A	Clip - sensor/switch			1	2257-M-1235
66B	Plug - DCDL switchport (non shown)	Non-DCDL applications only			41-X-1022
67	Lock nut - sensor/switch		All prior to 11/93	1	1227-P-1056
68	Spring - main diff. lock		All after 11/93	1	2258-N-1262
			All prior to 11/93		2258-L-714
69	Roll pin - spring retaining			1	43-X-1006
70	Shift shaft - main diff. lock	Not Threaded for fork	All after 11/93	1	KIT 2824
		Threaded for fork	All prior to 11/93		2244-L-1026
71	Piston - main diff. lock		All after 11/93	1	2230-T-1190
			All prior to 11/93		2230-N-170
72	O-ring piston		All after 11/93	1	5-X-1198
			All prior to 11/93		5-X-1153
73	Tube - air cylinder		All prior to 11/93	1	3196-F-32
73A	Air cylinder assembly - screw-in		All after 11/93	1	3261-A-1067
73B	Plug - screw-in DCDL cylinder hole (not shown)	Non-DCDL applications only			1250-U-1217
74	Gasket - air cylinder cover			1	2208-H-944
75	Capscrew - manual engaging		All prior to 11/93	1	41-X-1333
			All after 11/93		41-X-1368
75A	O-ring - manual engaging capscrew			1	5-X-521
76	Cover - air cylinder		Prior to 11/93	1	3266-F-1020
77	Plug - air cylinder cover		Prior to 11/93	1	MS-210016-1

5 2.00"-39 spline

6 2.10"-41 spline

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FORWARD CARRIERS OF TANDEM AXLES

ITEM	DESCRIPTION	REMARKS	CARRIER	QTY	PART NUMBER
78	Gasket - plug		Prior to 11/93	1	2208-L-1000
79	Capscrew - air cylinder cover			4	41-X-1364
80	Washer - air cylinder cover			4	MWA-506
81	Clutch collar			1	3107-D-1018
82	Shift fork	Not threaded	All after 11/93	1	3296-Z-1170
		Threaded	All prior to 11/93		3296-W-1167[10]
83	Pin - shift fork	Old 3 piece design		2	43-X-1007

Note: The following parts are used only on forward carriers with oil pump.

84	Shield - filter			1	3280-Z-8398
85	Plug - oil pressure relief valve	No longer required as of 5/97		1	1250-N-1080[11]
86	Washer - plug			1	1229-F-4062
87	Spring - oil pressure relief valve			1	2258-Z-1118
88	Pressure relief valve - oil			1	2297-U-5273
89	Input cage to oil pump dowels	No longer used		2	1246-M-1131
90	O-ring, oil pump			1	5-X-1034
91	Oil pump assembly	Serviced as assembly only	Pump driven off flats on input shaft	1	KIT 2835[2]
			Pump driven off splines on input shaft		A-3303-P-1030
92	Washer - oil pump			6	1229-E-1669
93	Capscrew - oil pump			6	MS-208045-1
94	Oil filter			1	3280-V-8394
95	Adapter - oil filter			1	2297-Z-5278
96	Screen and plumb assy. - oil filter			1	A-2297-D-5334

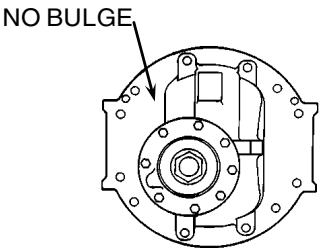
Note: The following parts are used only on forward carriers with internally mounted anti-lock brake system sensors.

200	Wave washer			2	2258-U-1243
201	Snap ring			2	1229-U-4519
202	Snap ring			2	1229-B-4422
203	Sensor assembly			2	SA1-3280-U-8861
204	Sensor drive tube	39 Spline	Use KIT 2511	2	3216-S-4361
		41 Spline	Use KIT 2512		3216-Q-4359
205	Washer tube spacing			2	42-X-1248
206	Snap ring tube retaining			2	1229-H-4428

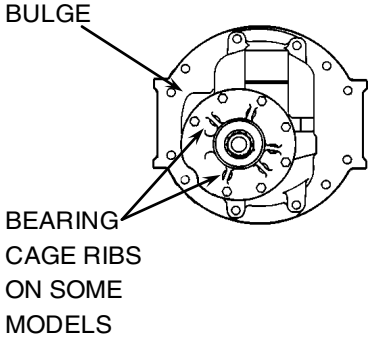
2 Must change input yoke to 2.35"-46 spline.
10 Replaced old three piece design (3296-N-1080)
11 Pressure relief plug eliminated. The relief valve and spring are now sandwiched between the pump and input cage before the pump is assembled to the cage.

CHART 2
CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES
(Use with Figure 2, Inside Front Cover)

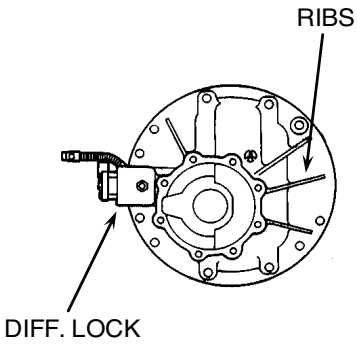
VISUAL IDENTIFICATION OF REAR CARRIERS



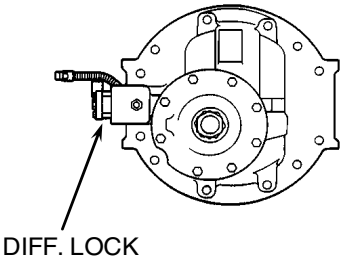
REAR CARRIERS
WITHOUT DIFF. LOCK
3200-Q-1785
3200-C-1849
3200-E-1851
3200-S-1865
3200-A-1873
3200-Z-1924



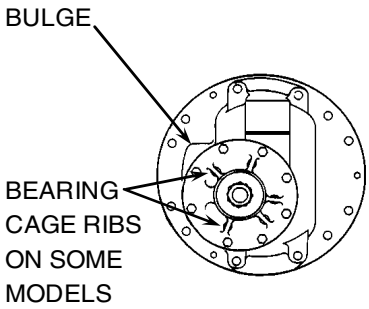
REAR CARRIER
WITHOUT DIFF. LOCK
3200-M-1547



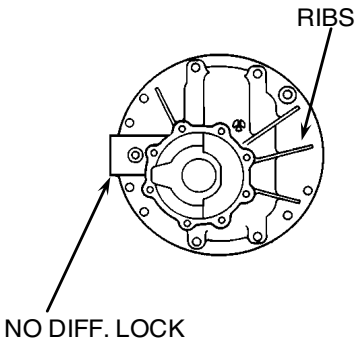
REAR CARRIER
WITH DIFF. LOCK
3200-M-1547



REAR CARRIERS
WITH DIFF. LOCK
3200-X-1558
3200-C-1849
3200-E-1851
3200-S-1865
3200-A-1873



REAR CARRIER
WITHOUT DIFF. LOCK
3200-L-1676
3200-M-1885



REAR CARRIER
WITHOUT DIFF. LOCK
3200-R-1500

THE FOLLOWING CARRIERS ARE EQUIPPED WITH A THRUST SCREW:
3200-Z-1872, 3200-A-1873, 3200-F-1904, 3200-Z-1924

THE FOLLOWING CARRIERS ARE MACHINED FOR INTERNAL ABS SENSORS:
3200-D-1850, 3200E-1851, 3200-Z-1924

3200-W-2051 CARRIER (not pictured) IS EQUIPPED WITH A THRUST SCREW,
HAS INTEGRAL PINION BEARING CAGE AND IS NOT AVAILABLE WITH DIFF. LOCK.

Pro Gear and Transmission, Inc | www.progearandtransmission.com | www.pgttruckparts.com
906 West Gore St, Orlando, Fl, 32805 | +1 (877)-776-4600 | +1 (407)-872191 | parts@eprogear.com

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
97	Nut - drive pinion		Included in KIT 2637	All except RS17140	1	40-X-1237[3]
			Included in KIT 2636	RS17140 only		40-X-1236[2]
97A	Washer - drive pinion nut		Included in KIT 2637	All except RS17140	1	1229-T-1736
			Included in KIT 2636	RS17140 only		1229-A-2653
100	Oil seal - pinion bearing cage			All except RS17140	1	A1-1205-Z-2730
				RS17140 only		A-1205-D-1928
101	Cone - drive pinion outer bearing		Amboid series	3200-W-2051	1	72225C
				All except RS17140 and 3200-W-2051		55206C
				RS17140 only		M804049
102	Cup - drive pinion outer bearing		Amboid series	3200-W-2051	1	72487
				All except RS17140 and 3200-W-2051		55437
				RS17140		M804010
103	Capscrew - input bearing cage			All except aluminum	8	MS-212045-1
				Aluminum only		41-X-1043
104	Washer - input bearing cage			All	8	1229-C-1511
105, 102, 108	Pinion bearing cage and cup assy.		3200-Q-1785, 3200-C-1849, 3200-E-1851, 3200-S-1865, 3200-A-1873, 3200-Z-1924	RR17144, RR19144, RR17145, RR19145, RR20140, RR20145, RR22145	1	A-3226-N-1236
			3200-R-1500, 3200-X-1558, 3200-L-1676, 3200-M-1885, 3200-Z-1872, 3200-G-1879, 3200-F-1904			A-3226-M-1053[9]
				RS17140		A-3226-P-1056
106	Shim - pinion bearing cage	.076mm/.003 inch	Included in KIT 1647 / Shim O.D. 5.19 inches	3200-W-2051	Use as req.	2203-F-2788
		.127mm/.005 inch				2203-G-2789
		.254mm/.010 inch				2203-H-2790
		.075mm/.003 inch	Included in KIT 2313 / Shim O.D. 9.62 inches	Use with carriers that use A-3226-M-1053 & A-3226-P-1056 pinion bearing cage		2803-Q-2851
		.125mm/.005 inch				2803-R-2852
		.250mm/.010 inch				2803-S-2853
		.500mm/.020 inch				2803-T-2854
		.075mm/.003 inch	Included in KIT 1568 / Shim O.D. 8.50 inches	Use with carriers that use A-3226-N-1236 pinion bearing cage		2203-C-8115
		.125mm/.005 inch				2203-D-8116
		.250mm/.010 inch				2203-E-8117
		.500mm/.020 inch				2203-B-9804
107	Spacer - pinion bearing	9.40mm/.370 inch	Included in KIT 2541	3200-W-2051	Use 2 as req.	1244-M-2431
		9.43mm/.371 inch				1244-N-2432
		9.45mm/.372 inch				1244-P-2434
		9.48mm/.373 inch				1244-Q-2435
		9.50mm/.374 inch				1244-R-2436
		9.60mm/.378 inch				1244-S-2437
		9.70mm/.382 inch				1244-T-2438
		9.80mm/.386 inch				1244-U-2439
		9.90mm/.390 inch				1244-V-2440
		10.00mm/.394 inch				1244-W-2441
		10.10mm/.398 inch				1244-X-2442
		10.20mm/.402 inch				1244-Y-2443
		10.23mm/.403 inch				1244-Z-2444
		10.25mm/.404 inch				1244-A-2445
		10.28mm/.405 inch				1244-B-2446
		10.30mm/.406 inch				1244-C-2447
		8.75mm/.345 inch	Included in KIT 2322	All except RS17140 and 3200-W-2051		2203-J-9474
		8.78mm/.346 inch				2203-K-9475
		8.80mm/.347 inch				2203-L-9476
		8.83mm/.348 inch				2203-M-9477
		8.85mm/.349 inch				2203-N-9478
		8.98mm/.345 inch				2203-P-9480
		9.10mm/.358 inch				2203-Q-9481
		9.13mm/.359 inch				2203-R-9482
		9.15mm/.360 inch				2203-S-9483
		9.18mm/.361 inch				2203-T-9484
		9.20mm/.362 inch				2203-U-9485

2 Order KIT 2636 to purchase nut and washer.
3 Order KIT 2637 to purchase nut and washer.
9 For carriers with Telma Retarders or parking brakes call specifications for different cage, (888) 725-9355.

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
107 (Cont)	Spacer - pinion bearing	8.35mm/.329 inch	Included in KIT 2321	RS17140 only	Use 2 as req.	2203-V-9486
		8.38mm/.330 inch				2203-W-9487
		8.40mm/.331 inch				2203-X-9488
		8.43mm/.332 inch				2203-Y-9489
		8.45mm/.333 inch				2203-Z-9490
		8.58mm/.338 inch				2203-A-9491
		8.70mm/.343 inch				2203-B-9492
		8.73mm/.344 inch				2203-C-9493
		8.75mm/.345 inch				2203-D-9494
		8.78mm/.346 inch				2203-E-9495
		8.80mm/.347 inch				2203-F-9496
107A	Spacer - pinion bearing			3200-W-2051 only	(1)	1244-F-2346
108	Cup - drive pinion inner bearing		Amboid series	3200-W-2051	(1)	H715311
				All except RS17140 and 3200-W-2051		72487
				RS17140 only		55437
109	Cone - drive pinion inner bearing		Amboid series	3200-W-2051	1	H715334
				All except RS17140 and 3200-W-2051		72212C ▶
				RS17140 only		55200C ▶
110, 97, 97A	Drive gear, pinion and nut assy	3.42 Ratio	Input spline size 2.00" dia. - 39 splines. Original small pitch dia. ring gear. New style will not fit in this carrier.	3200-Q-1785	Use 1 as req.	B-41530-1
		3.58 Ratio				B-41532-1
		3.73 Ratio				B-41534-1
		3.91 Ratio				B-41536-1
		4.10 Ratio				B-41538-1
		4.30 Ratio				Use 4.33 Ratio
		4.33 Ratio				B-41540-1
		4.56 Ratio				B-41542-1
		4.88 Ratio				B-41544-1
		5.13 Ratio				B-41546-1
		5.29 Ratio				B-41548-1
		5.57 Ratio				B-41550-1
		5.86 Ratio				B-41552-1
		6.14 Ratio				B-41554-1
		6.43 Ratio				B-41556-1
		6.83 Ratio				B-41558-1
		7.17 Ratio				B-41560-1[18]
		2.64 Ratio	Input spline size 2.00" dia. - 39 splines. New larger pitch diameter gearing.	3200-R-1500, 3200-X-1558, 3200-L-1676, 3200-M-1885, 3200-Z-1872, 3200-G-1879, 3200-F-1904		B-41716-1[1] ▶
		2.79 Ratio				A-41682-1[11] ▶
		2.93 Ratio				A-41158-1
		3.07 Ratio				A-41494-1
		3.21 Ratio				A-41496-1
		2.64 Ratio	Input spline size 2.00" dia. - 39 splines. Amboid series axles.	3200-W-2051		B-42120-1
		2.79 Ratio				A-42172-1
		3.08 Ratio				A-42200-1
		3.36 Ratio				A-42202-1
		3.55 Ratio				A-42204-1 ▶
		3.70 Ratio				B-42206-1 ▶
		3.90 Ratio				B-42180-1[16]
		4.11 Ratio				A-42128-1
		3.42 Ratio	Input spline size 2.00" dia. - 39 splines. New larger pitch diameter gearing. For 4.56 ratio use B-41542-1	All except RS16140, RS17140, 3200-Q-1785 and 3200-W-2051 carriers.		B-41164-1
		3.58 Ratio				B-41498-1
		3.73 Ratio				A-41842-1[12]
		3.90 Ratio				B-41500-1
		3.91 Ratio				B-41684-1[13]
		4.10 Ratio				A-41830-1[12]
		4.11 Ratio				A-41802-1[12]
		4.33 Ratio				B-41686-1[14]
		4.63 Ratio				B-41266-1
		4.88 Ratio				A-41654-1[15]
						B-41268-1
						A-41672-1[12]
						B-41270-1
						A-41714-1[12]

(1) Not available in the aluminum carrier.
12 Coach quality gearing
14 Replaces B-41504-1 (4.10 ratio)
16 No longer available.
11 Replaces A-39910-1 (2.80 ratio)
13 Replaces B-41502-1 (3.91 ratio)
15 Coach quality gearing. 4.33 coach quality uses diff. case for 3.42 - 4.11.
18 For replacement information, contact Information Services at 888-725-9355.

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
110, 97, 97A (Cont)	Drive gear, pinion and nut assy	5.13 Ratio	Input spline size 2.00" dia. - 39 splines. New larger pitch diameter gearing. For 4.56 ratio use B-41542-1	All except RS16140, RS17140, 3200-Q-1785 and 3200-W-2051 carriers.	Use 1 as req.	A-41652-1[12]
						A-41272-1
		5.29 Ratio				A-42272-1[12]
						B-41274-1
		5.57 Ratio				A-41304-1
						A-42086-1[12]
		5.86 Ratio				A-42464-1[12]
						B-41456-1
		6.14 Ratio				A-41458-1
		6.43 Ratio				A-41460-1
		6.83 Ratio				A-41462-1
		7.17 Ratio				B-43426-1
		3.42 Ratio	Input spline size 1.75" dia. - 34 splines.	RS16140, RS17140		A-41164-3
		3.58 Ratio				A-41498-3[16]
		3.73 Ratio				A-41500-3
		3.90 Ratio				A-41684-3[17]
		4.11 Ratio				A-41686-3[16]
		4.33 Ratio				A-41266-3
		4.56 Ratio				B-41542-3
		4.88 Ratio				A-41270-3
		5.13 Ratio				A-41272-3[16]
		5.29 Ratio				A-41274-3[16]
		5.57 Ratio				A-41304-3
		5.86 Ratio				A-41456-3
		6.43 Ratio				A-41460-3
		6.83 Ratio				A-41462-3[16]
		7.17 Ratio				A-41464-3[16]
111	Bearing - drive pinion spigot			All	1	1228-F-552
112	Snap ring - drive pinion bearing			All	1	1229-A-1301
113, 114, 115	Diff. carrier and cap assy.		Original design	3200-R-1500	1	A2-3200-R-1500
			Without main diff. lock	3200-M-1547 (3.91 and 4.10 Ratios)		KIT 2729[18]
				All other ratios		KIT 2730
				1676 (all ratios)		A2-3200-L-1676
				1785, 1865 (3.42 - 7.17 ratios)		A2-3200-S-1865
			With screw-in main diff. lock	3200-G-1879		A2-3200-G-1879
			With screw-in main diff. lock and thrust screw	1904 (all ratios)		A2-3200-F-1904
			Without main diff. lock, with thrust screw	1873 (3.42 - 7.17 ratios)		A2-3200-A-1873
			Without main diff. lock, with internal ABS sensor	1850 (3.07 & 3.21 ratios)		A2-3200-D-1850
				1851 (3.42 - 7.17 ratios)		A2-3200-E-1851
			Without main diff. lock, aluminum carrier	3200-M-1885 (aluminum version of 1676 carrier)		A2-3200-M-1885
				3200-C-1849 (aluminum version of 1865 carrier)		A2-3200-C-1849
			Without main diff. lock, with thrust screw with internal ABS sensor	3200-Z-1924		A2-3200-Z-1924
			Amboid series drive axles	3200-W-2051		A2-3200-W-2051
113A	Thrust screw		Included in KIT 4766	3200-W-2051	1	10-X-1710
				All except 3200-W-2051		41-X-1371
113B	Jam nut – thrust screw				1	40-X-1016
113C	Thrust block		Included in KIT 4766	3200-W-2051 only	1	2297-P-8336
114	Washer - differential bearing cap			All	4	42-X-1021
115	Capscrew - differential bearing cap			All except aluminum	4	MS-220120-1
				Aluminum only		41-X-1365
116	Adjusting ring	L.H. - small		1547, 1558, 1879, 1904	1	2214-C-1095
		R.H. - small				2214-Y-1039
		L.H. and R.H.		3200-R-1500	2	2214-L-272
				All except 1500, 1547, 1558		2214-C-1095
				3200-E-1851		2214-U-1139
117	Adjusting ring lock	L.H. and R.H. Diff. lock		1547, 1676, 1785, 1865	1	KIT 4284
		L.H. and R.H. Non diff lock		1558, 1879, 1904		KIT 4284
		L.H. only	R.H. see 132, 133 and 134	3200-R-1500		1199-R-2176

12 Coach quality gearing
17 Replaces A-41502-3 (3.91 ratio)
16 No longer available.
18 For replacement information, contact Information Services at 888-725-9355.

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
118	Cup - diff. ring	L.H. only		1547, 1558, 1879, 1904	1	JM-716610
		R.H. only			(1)	1228-L-1130
		L.H. and R.H.		1676, 1785, 1865, 1873, 2051	2	JM-716610
				3200-R-1500		A1-1228-H-606[10]
118A	Adhesive - diff. bearing cup				(1)	2297-T-4180
119	Cone - diff. bearing	L.H. only		1547, 1558, 1879, 1904	(1)	JM-716649
		R.H. only				A-1228-L-1130
		L.H. and R.H.		1676, 1785, 1865, 1873, 2051	2	JM-716649
				3200-R-1500		A1-1228-H-606[10]
120	Nut - gear to differential case		Included in KIT 2317	All	12	40-X-1182
121	Washer - gear to differential case				12	1229-U-1503
122	Bolt - differential case to gear				12	41-X-1216
122A	Rivet - gear to differential		For service, rivets can be replaced with KIT 2317	All	12	RV-71016
123, 129, 130	Case assy - main diff.	Ratios 2.64, 2.79, 2.93	With diff. lock	1558, 1879	Use (1) as req.	A2-3235-V-1920
			Without diff. lock	1676, 1885, 2051		A8-3235-V-1920
		Ratios 3.07, 3.08, 3.21, 3.36	With diff. lock	1558, 1879		A2-3235-S-1839
				A12-3200-R-1500		A2-3235-Y-1741[16]
			Without diff. lock	1676, 1885, 2051		A8-3235-S-1839
				3200-M-1547 except 1.85"-36 spline		A-3235-S-1839
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.	With diff. lock	1558, 1849, 1879, 1904		A2-3235-U-1841
				A12-3200-R-1500		A6-3235-C-1719
			Without diff. lock	3200-M-1547 except 1.85"-36 spline		A-3235-U-1841
				RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		A-3235-N-1938
				3200-R-1500		A13-3235-C-1719[6]
				1676, 1785, 1865, 1885, 2051		A8-3235-U-1841
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb tandem axles only)	With diff. lock	1872 and 1904		A2-3235-D-2188
				All others		KIT 2664
			Without diff. lock	1873		A-3235-D-2188
				All others		KIT 2665
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles) Note: 4.33 ratio for coach quality gearing use diff. case for ratios 3.42-4.11	With diff. lock	1558, 1849, 1879, 1904		A2-3235-W-1843
				A12-3235-R-1500		A8-3235-E-1721
			Without diff. lock	3200-M-1547 except 1.85"-36 splines		A-3235-W-1843
				RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		A-3235-Q-1941
				3200-R-1500		A15-3235-E-1721[6]
				1676, 1785, 1865, 1885		A8-3235-W-1843
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)	With diff. lock	1872, 1904		KIT 2648
			Without diff. lock	3200-A-1873		KIT 2647
123, 129, 130, 204, 205, 206	Case assy. - main diff.	Ratios 2.64, 2.79, 2.93	Without diff. lock	With ABS tubes	Use (1) as req.	A2-3235-N-2172[9]
						A3-3235-N-2172[6]
		Ratios 3.07 and 3.21				A2-3235-M-2171[5]
						A3-3235-M-2171[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb tandem axles only)				A1-3235-Y-2261[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (except 44,000 lb) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case				A3-3235-L-2170[6]
						A2-3235-L-2170[9]

5 2.00"-39 spline
6 2.10"-41 spline
9 2.00"-39 spline. No longer available.
10 Sold as a cup and cone set only.
16 No longer available.

Pro Gear and Transmission, Inc | www.progearandtransmission.com | www.pgttruckparts.com
906 West Gore St, Orlando, Fl, 32805 | +1 (877)-776-4600 | +1 (407)-872191 | parts@eprogear.com

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
123, 129, 130, 204, 205, 206 (Cont)	Case assy. - main diff.	Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)	Without diff. lock	With ABS tubes	Use 1 as req.	A1-3235-K-2169[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				A2-3235-J-2168[5]
						A3-3235-J-2168[6]
123 thru 130	Case & nest assy main diff.	Ratios 2.64, 2.79, 2.93	With diff. lock	1558 and 1879	Use 1 as req.	A3-3235-V-1920[6]
		Ratios 3.07, 3.08, 3.21 and 3.36				A3-3235-S-1839[6]
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.				A3-3235-U-1841[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				A3-3235-W-1843[6]
		Ratios 2.64, 2.79, 2.93	Without diff. lock	1676, 1885		A10-3235-V-1920[5]
				1676, 1885, 2051		A9-3235-V-1920[6]
		Ratios 3.07, 3.08, 3.21, 3.36		1676, 1885		A10-3235-S-1839[5]
				1676, 1885, 2051		A9-3235-S-1839[6]
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.		1676, 1785, 1865 and 1885		A10-3235-U-1841[5]
				1676, 1785, 1865, 1885, 2051		A9-3235-U-1841[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)		1676, 1785, 1865, 3200-M-1885		A9-3235-W-1843[6]
						A10-3235-W-1843[5]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb. tandem axles only	With diff. lock	1872 and 1904		A11-3235-D-2188[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)				A11-3235-T-2152[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb. tandem axles only	Without diff. lock	3200-A-1873		A10-3235-D-2188[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)	Without diff.lock	3200-L-1676, 3200-A-1873		A10-3235-T-2152[6]
		Ratios 3.07, 3.08, 3.21, 3.36	Without diff. lock	3200-M-1547 except 1.85"-36 spline		A1-3235-S-1839[6]

5 2.00"-39 spline

6 2.10"-41 spline

CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
123 thru 130 (Cont)	Case & nest assy main diff.	Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.	Without diff. lock	3200-M-1547 except 1.85"-36 spline	Use 1 as req.	**A1-3235-U-1841[6]**
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				**A1-3235-W-1843[6]**
		Ratios 2.64, 2.79, 2.93		3200-M-1885		**A18-3235-V-1920[6]**
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.		3200-R-1500		**A12-3235-C-1719[7]**
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				**A14-3235-E-1721[7]**
		Ratios 3.07, 3.08, 3.21, 3.36	With diff. lock	A12-3200-R-1500		**A3-3235-Y-1741[16]**
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.		▶		**A4-3235-C-1719[6]**
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)		▶		**A6-3235-E-1721[6]**
		Ratios 3.42, 3.55, 3.58, 3.70, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb tandem axles) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case.	Without diff. lock	RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		**A1-3235-N-1938**
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				**A1-3235-Q-1941**
123, 129, 130, 131	Case & nest assy. main diff.	Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (except 44,000 lb. tandem axles)	NoSPIN diff.	1676, 1785, 1865 and 1885 ▶	Use 1 as req.	**A12-3235-W-1843[5]** **A11-3235-W-1843[6]**
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (except 44,000 lb) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case		1676, 1785, 1865, 1885		**A12-3235-U-1841[9]**

5 2.00"-39 spline
6 2.10"-41 spline
9 2.00"-39 spline. No longer available.
7 2.10"-41 spline. No longer available.
16 No longer available

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CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION		REMARKS	CARRIER	QTY	PART NUMBER
123, 129, 130, 131 (Cont)	Case & nest assy. main diff.	Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb) Note: 4.33 ratio for coach quality gearing also uses this std. diff. case	NoSPIN diff.	1676, 1785, 1865, 1885	Use 1 as req.	**A11-3235-U-1841**[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb. tandem axles only		3200-A-1873		**A4-3235-D-2188**[6]
		Ratios 2.64, 2.79, 2.93		3200-L-1676		**A12-3235-V-1920**[5]
						A11-3235-V-1920[6]
		Ratios 3.07 and 3.21				**A12-3235-S-1839**[5]
						A11-3235-S-1839[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)		3200-L-1676 3200-A-1873		**A4-3235-T-2152**[6]
123 thru 130, 204, 205, 206	Case & nest assy - main diff.	Ratios 2.64, 2.79, 2.93	Without diff. lock	With ABS tubes	Use 1 as req.	**A6-3235-N-2172**[5]
						A7-3235-N-2172[6]
		Ratios 3.07 and 3.21				**A4-3235-M-2171**[5]
						A5-3235-M-2171[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (44,000 lb. tandem axles only)				**A2-3235-Y-2261**[6]
		Ratios 3.42, 3.58, 3.73, 3.90, 3.91, 4.10, 4.11 (Except 44,000 lb. tandem axles) Note: 4.33 Ratio for coach quality gearing also uses this std. diff. case				**A4-3235-L-2170**[5]
						A5-3235-L-2170[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (44,000 lb. tandem axles only)				**A2-3235-K-2169**[6]
		Ratios 4.30, 4.33, 4.56, 4.63, 4.88, 5.13, 5.29, 5.57, 5.86, 6.14, 6.43, 6.83, 7.17 (Except 44,000 lb. tandem axles)				**A4-3235-J-2168**[5]
						A5-3235-J-2168[6]
124	Thrust washer - side gear		Not used on NoSPIN	All after 11/93 except 1.85"-36 spline	2	**1229-V-4624**
				All prior to 11/93 except 1.85"-36 spline		**1229-X-4522**
				RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		**1229-Z-3172**
125	Side gear - differential		Included in KIT 2308	RS16140, RS17140, 3200-M-1547	2	**2234-T-1086**[4]
			Included in KIT 2389	RS16140, RS17140, RS17145 after 11/93		**2234-V-1270**[5]
				RS16140, RS17140, RS17145 prior to 11/93		**KIT 2758**[5]
			Included in KIT 2310	RS21145 and RR20145 after 11/93		**2234-U-1269**[6]
				RS21145 and RR20145 prior to 11/93		**KIT 2759**[6]
			Included in KIT 2696	RT44145 tandems after 11/93		**2234-X-1272**[6]
				RT44145 tandems from 1/93 to 11/93		**KIT 2760**[6]
				RT44145 tandems prior to 1/93		**KIT 2696**[6]

4 1.85”-36 spline
5 2.00"-39 spline
6 2.10"-41 spline

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CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION	REMARKS	CARRIER	QTY	PART NUMBER
126	Thrust washer - diff. pinion		All except 1.85"-36 spline	4	**1229-R-1032**
			RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		**1229-L-1026**
127	Gear - differential pinion		All except 1.85"-36 spline and RT44145 tandems produced after 1/93	4	**2233-J-1024**
		Included in KIT 2308	RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		**2233-M-1027**
		Included in KIT 2696	RT44145 tandems produced after 1/93		**2233-X-1116**
128	Spider - differential (cross)		All except 1.85"-36 spline and RT44145 tandems produced after 1/93	1	**3278-S-305**
		Included in KIT 2308	RS16140, RS17140, 3200-M-1547 (1.85"-36 spline)		**3278-D-82**
		Included in KIT 2696	RT44145 tandems produced after 1/93		**3278-Y-1117F**
129	Washer - main diff. case halves		All	16	**1229-D-4632**
130	Capscrew - main diff. case halves		All	16	**41-X-1327**
130A	Thread locking liquid		All	as req.	**2297-C-7049**
131	NoSPIN diff. nest assembly	Serviced as assy. only. Replaces Items 124-128	3200-M-1547 (1.85"-36 spline)	1	**A-3230-V-1036**
			RS16140, RS17140, RR17145, RR19145 (except 3200-M-1547 1.85"-36 spline)		**A-3230-U-1035**[5]
			RS17144, RS19144, RS21145, RR17144, RR19144, RR20145, RR22145		**A-3230-T-1034**[6]
131A	Cover - special carrier - w/o diff. lock	Without diff. lock	3200-R-1500	1	**3266-M-897**
131B	Washer - cover - w/o diff. lock			4	**MWA-508**
131C	Capscrew - cover - w/o diff. lock			1	**41-X-1080**

Note: The following parts are used only on rear carriers with main differential lock.

132	Lock plate - adjusting ring R.H.		3200-R-1500	1	**1220-K-89**
133	Washer - lock plate		3200-R-1500	2	**MWA-508**
134	Capscrew - lock plate		3200-R-1500	2	**MS-208020-1**
135	Clutch collar - main diff. lock		1558, 1872, 1879, 1904	1	**3107-D-1018**
			3200-R-1500		**3107-R-1006**[16]
136	Shift fork	Old 1 pc. design	1558, 1872	1	**3296-W-1167**[10]
		New 1 pc. design	1879, 1904		**3296-Z-1170**
		Original 3 pc. design	3200-R-1500		**3296-F-188**
137	Pins - shift fork	Original design	All	2	**43-X-1007**
138	Spring - main diff. lock		1500, 1558, 1872	1	**2258-L-714**
			1879, 1904		**2258-N-1262**
139	Shift shaft - main diff. lock		1558, 1872	1	**2244-L-1026**
			1879, 1904		**KIT 2824**
			3200-R-1500		**2244-Z-52**
140	Pin - spring retaining	Original design	All	1	**43-X-1006**
141	Tube - air cylinder		All bolt-on designs	1	**3196-F-32**
142	Piston - air cylinder		Bolt-on shifter	1	**2230-N-170**
			Screw-in shifter		**2230-T-1190**
143	O-Ring - piston		Bolt-on shifter	1	**5-X-1153**
			Screw-in shifter		**5-X-1198**
144	Gasket - air cylinder cover			1	**2208-H-944**
145	Capscrew - manual engaging		1558, 1872	1	**41-X-1330**
			1879, 1904		**41-X-1368**
			3200-R-1500		**41-X-1333**
145A	O-ring - manual engaging capscrew			1	**5-X-521**
146	Cover - air cylinder		All bolt-on designs	1	**3266-F-1020**
146A	Shift cylinder assembly		Screw-in design	1	**3261-A-1067**
146B	Plug - screw-in DCDL cylinder hole	Non-DCDL applications only			**1250-U-1217**

5 2.00"-39 spline
6 2.10"-41 spline
10 Replaced old three piece design (3296-N-1080)
16 No longer available.

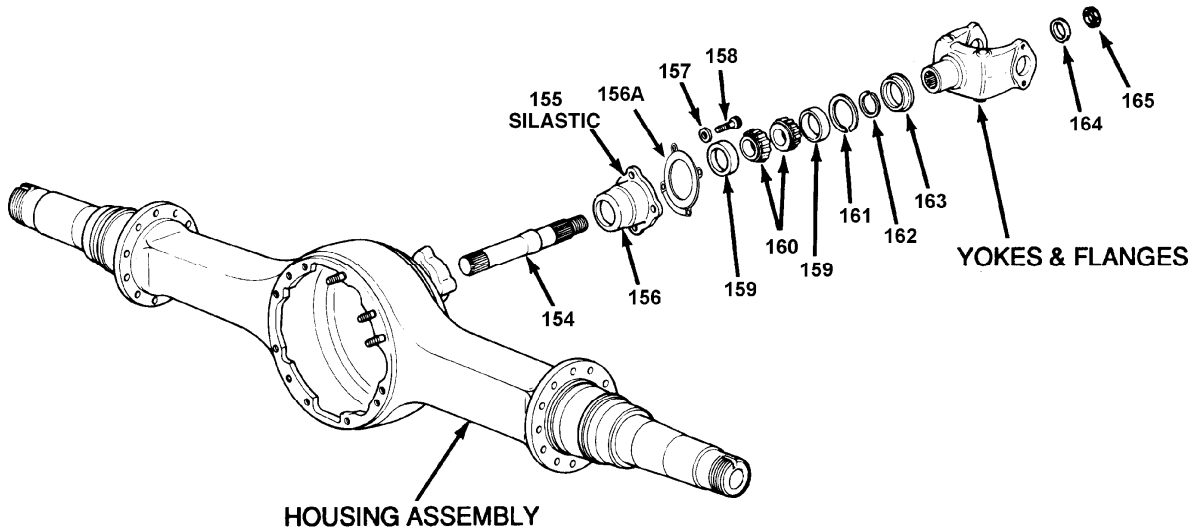
CARRIERS FOR SINGLE AXLES AND REARS OF TANDEM AXLES

ITEM	DESCRIPTION	REMARKS	CARRIER	QTY	PART NUMBER
147	Capscrew - air cylinder cover		1558, 1872	4	41-X-1359
			3200-R-1500		41-X-1364
148	Washer - air cylinder cover		All bolt-on designs	4	MWA-506
149	Gasket - plug			1	2208-L-1000
150	Plug - air cylinder cover			1	MS-210016-1
151	Sensor/switch - main diff. lock	Included in KIT 4455		1	3237-W-1167
151A	Clip - sensor/switch			1	2257-M-1235
151B	Plug - DCDL switchport	Non-DCDL applications only		1	41-X-1022
152	Nut - sensor/switch		1500, 1558, 1872	1	1227-P-1056

Note: The following parts are used only on rear carriers with internally mounted anti-lock brake system sensors.

200	Wave washer			2	2258-U-1243
201	Snap ring			2	1229-U-4519
202	Snap ring			2	1229-B-4422
203	Sensor assembly			2	SA1-3280-U-8861
204	Sensor - drive tube	39 spline	Use KIT 2511	2	3216-S-4361
		41 spline	Use KIT 2512		3216-Q-4359
205	Washer - tube spacing			2	42-X-1248
206	Snap ring - tube retaining			2	1229-H-4428

OUTPUT (THRU) SHAFT ASSEMBLY PARTS



ITEM	DESCRIPTION	REMARKS	AXLE MODEL	QTY	PART NUMBER
153	Output (thru) shaft, bearing cage and seal assembly	(Includes Items 154, 156, 159, 160, 161, 162, 163, 164, 165)	All	1	**A1-3226-T-1112S**
154	Shaft - output (thru)		All others	1	**3297-E-1019**
			Original design 140 tandem	1	**3297-N-1158**
155	Silastic gasket	3 oz. tube	All	1	**2297-A-7021**
156	Bearing cage and inner cup assembly - output		All others	1	**A-3226-T-1112**
		Must change yoke to 2"-39 spline	Original design 140 tandem	1	**A1-3226-T-1112S**
156A	Deflector (no longer used)			1	**KIT 2583**[1]
157	Washer - output bearing cage		All	4	**1229-K-1597**
158	Capscrew - output bearing cage		All	4	**15-X-387**
159	Cup - inner and outer output bearing		All others	2	**JLM-104910**
			Original design 140 tandem	2	**LM-603011**
160	Cone - inner and outer output bearing		All others	2	**LM-104949**
			Original design 140 tandem	2	**LM-603049**
161	Snap ring spacer - output bearing (variable thickness) (Spacer kits are available to service these assemblies) KIT 530 is used for the original design 140 tandem. KIT 576 is used for all other models in this catalog	3.94mm/.155 inch	All others	1	**1229-P-2590**
			Original design 140 tandem	1	**1229-A-2237**
		4.01mm/.158 inch	All others	1	**1229-Q-2591**
			Original design 140 tandem	1	**1229-B-2238**
		4.09mm/.161 inch	All others	1	**1229-R-2592**
			Original design 140 tandem	1	**1229-C-2239**
		4.17mm/.164 inch	All others	1	**1229-S-2593**
			Original design 140 tandem	1	**1229-D-2240**
		4.24mm/.167 inch	All others	1	**1229-T-2594**
			Original design 140 tandem	1	**1229-E-2241**
		4.32mm/.170 inch	All others	1	**1229-U-2595**
			Original design 140 tandem	1	**1229-F-2242**
		4.39mm/.173 inch	All others	1	**1229-V-2596**
			Original design 140 tandem	1	**1229-G-2243**
		4.47mm/.176 inch	All others	1	**1229-W-2597**
			Original design 140 tandem	1	**1229-H-2244**
		4.55mm/.179 inch	All others	1	**1229-X-2598**
			Original design 140 tandem	1	**1229-J-2246**
		4.62mm/1.82 inch	All others	1	**1229-Y-2599**
			Original design 140 tandem	1	**1229-K-2247**
162	Snap ring spacer - output bearing/yoke		All others	1	**1229-W-4131**
			Original design 140 tandem	1	**1829-A-859**
163	Oil seal - output bearing cage		Original design 140 tandem	1	**A-1205-G-2425**
			All others	1	**A1-1205-Y-2729**
164	Washer - output yoke and shaft	Included in KIT 2636	Original design 140 tandem	1	**1229-A-2653**
		Included in KIT 2637	All others	1	**1229-T-1736**
165	Nut - output yoke and shaft	Included in KIT 2636	Original design 140 tandem	1	**40-X-1236**[2]
		Included in KIT 2637	All others	1	**40-X-1237**[3]

1 Use A1-1205-Y-2729 seal & sleeve. Do not use deflector.
2 Order KIT 2636 to purchase nut and washer.
3 Order KIT 2637 to purchase nut and washer.

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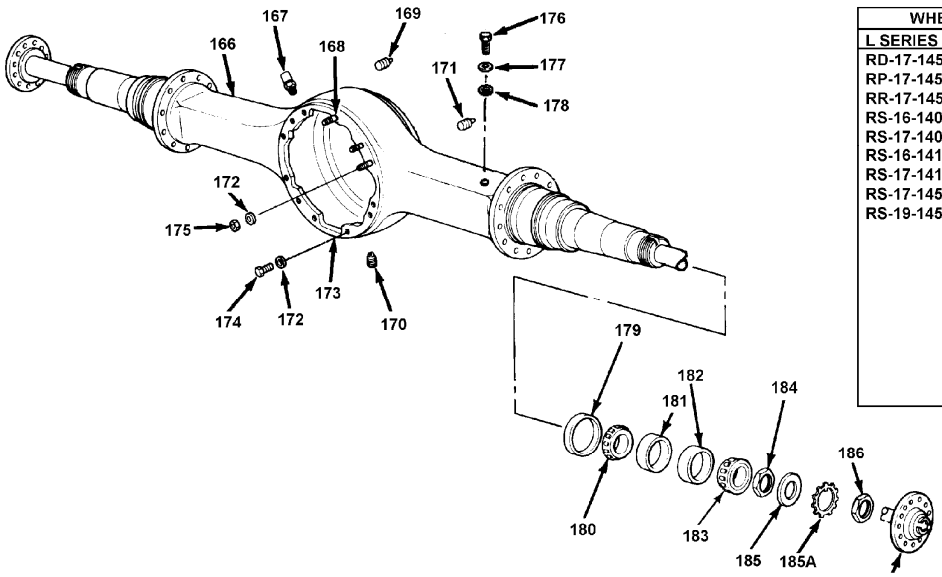
HOUSING ASSEMBLY PARTS



AXLE SHAFT

WHEEL END	
L SERIES	R SERIES
RD-17-145	MD-20-143
RP-17-145	MP-20-143
RR-17-145	MR-20-143
RS-16-140	RD-17-144
RS-17-140	RD-19-144
RS-16-141	RD-20-140
RS-17-141	RD-20-145
RS-17-145	RD-22-145
RS-19-145	RP-17-144
	RP-19-144
	RP-20-145
	RP-22-145
	RR-17-144
	RR-19-144
	RR-20-140
	RR-20-145
	RR-22-145
	RS-17-144
	RS-19-144
	RS-21-145

ITEM	DESCRIPTION	REMARKS	AXLE MODEL	QTY	PART NUMBER
167	Breather assembly		All	1	**A-1199-W-4053**
168	Stud - housing to carrier.	For aluminum or iron carriers	All forward carriers	2	**4-X-1921**
169	Plug - heat indicator		All	1	**P-28-S**
170	Plug - magnetic oil drain and fill	Female socket	All	1	**1250-E-473**
		Male socket		1	**1250-L-1286**
171	Plug - non-magnetic oil fill		All	1	**P-212**
172	Washer - carrier to housing		All	12	**1229-W-1557**
173	Silastic gasket - housing to carrier		All	1	**2297-A-7021**
174	Capscrew - carrier to housing	Included in KIT 2668	All forward carriers	3	**10-X-1597**
				7	**10-X-1594**
			All other single and rear carriers	8	**10-X-1594**
				4	**S-21020A-2**
			RR22145, RR21145	9	**10-X-1594**
				4	**S-21016-2**
175	Nut - carrier to housing stud		All forward carriers	2	**N-110-1**
176	Capscrew - brake line bracket		All	2	**S-258-2**
177	Gasket - brake line bracket		All others	2	**2208-P-536**
			RS16140, RS17140, RS19145, RS21145	4	**2208-P-536**
178	Washer - brake line bracket		All others	2	**1229-E-1669**
			RS16140, RS17140, RS19145, RS21145	4	**1229-E-1669**
179	Oil seal - wheel end		"L" wheel end	2	**A-1205-W-1349**
			"R" wheel end	2	**A-1205-Q-2487**
180	Cone - wheel bearing (inner)		"L" wheel end	2	**47686**
			"R" wheel end	2	**594A**
181	Cup - wheel bearing (inner)		"L" wheel end	2	**47620**
			"R" wheel end	2	**592A**
182	Cup - wheel bearing (outer)		"L" wheel end	2	**39520**
			"R" wheel end	2	**572**
183	Cone - wheel bearing (outer)		"L" wheel end	2	**39590**
			"R" wheel end	2	**580**
184	Nut - wheel bearing (inner)		"L" wheel end	2	**1227-Z-1040**
			"R" wheel end	2	**1227-W-517**
185, 185A	Lock washer and tanged lock washer	Must purchase kit which includes both items	"L" wheel end	2	**KIT 2761**
			"R" wheel end	2	**1229-F-4634S**
186	Nut - wheel bearing (outer)		"L" wheel end	2	**1227-E-1045**
			"R" wheel end	2	**1227-R-330**

AXLE SHAFT SETS FOR 140, 141, 143, 144 & 145 SERIES AXLES

RS-16-140 Single Axle

LEFT HAND	RIGHT HAND
3202-G-9601	3202-J-9604

RS-16-141 Single Axle

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047
3202-C-9597	3202-E-9599

RS-17-140 Single Axle

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047
3202-B-9050	3202-C-9051
3202-Y-9281 **(15)**	3202-Z-9282 **(15) (19)**

RS-17-144 Single Axle

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-S-9483	3202-T-9484
3202-H-9628	3202-K-9631
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-Q-9845	3202-S-9847 **(16)**

RS-17-145 Single Axle

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047

RS-19-144 Single Axle

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-S-9483	3202-T-9484
3202-H-9628	3202-K-9631
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-Q-9845	3202-S-9847 **(16)**

RS-19-145 Single Axle

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047
3202-C-9597	3202-E-9599

RS-21-145 Single Axle

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-S-9483	3202-T-9484
3202-H-9628	3202-K-9631
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-Q-9845	3202-S-9847 **(16)**

RD-17-140 Forward Axle of RT-34-140 Tandem

LEFT HAND	RIGHT HAND
3202-Y-9047	3202-X-9046
3202-E-9599	3202-C-9597

RR-17-140 Rear Axle of RT-34-140 Tandem

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047
3202-C-9597	3202-E-9599

RD-17-144 Forward Axle of RT-34-144 Tandem

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-Y-9463	3202-W-9461
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-R-9638 **(16)**	3202-W-9461

(15) These shafts are for original design 1.85"-36 spline.

(16) This shaft has longer splines that engage the differential lock.

(17) Not for use with main diff. lock or No-SPIN units.

(19) No longer available.

AXLE SHAFT SETS FOR 140, 141, 143, 144 & 145 SERIES AXLES

RP-17-144 Fwd Axle of RT-34-144 Tandem (w/Pump)

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-S-9613 **(16)**	3202-N-9608

RR-17-144 Rear Axle of RT-34-144 Tandem

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-W-9461	3202-Y-9463
3202-S-9483	3202-T-9484
3202-N-9608	3202-Q-9611
3202-W-9617	3202-U-9615
3202-H-9628	3202-K-9631
3206-Q-1343 **(17)**	3206-S-1345 **(17)**
3206-T-1346 **(17)**	3206-U-1347 **(17)**
3206-W-1349 **(17)**	3206-Y-1351 **(17)**
3206-Z-1352 **(17)**	3206-A-1353 **(17)**
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-W-9461	3202-R-9638 **(16)**

RD-17-145 Forward Axle of RT-34-145 Tandem

LEFT HAND	RIGHT HAND
3202-Y-9047	3202-X-9046
3202-E-9599	3202-C-9597

RR-17-145 Rear Axle of RT-34-145 Tandem

LEFT HAND	RIGHT HAND
3202-X-9046	3202-Y-9047
3202-C-9597	3202-E-9599

RD-19-144 Forward Axle of RT-38-144 Tandem

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-Y-9463	3202-W-9461
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-R-9638 **(16)**	3202-W-9461

RP-19-144 Fwd Axle of RT-38-144 Tandem (w/Pump)

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-S-9613 **(16)**	3202-N-9608

(16) This shaft has longer splines that engage the differential lock.

(17) Not for use w ith main diff. lock or No-SPIN units.

AXLE SHAFT SETS FOR 140, 141, 143, 144 & 145 SERIES AXLES

RR-19-144 Rear Axle of RT-38-144 Tandem

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-W-9461	3202-Y-9463
3202-S-9483	3202-T-9484
3202-N-9608	3202-Q-9611
3202-W-9617	3202-U-9615
3202-H-9628	3202-K-9631
3206-Q-1343 **(17)**	3206-S-1345 **(17)**
3206-T-1346 **(17)**	3206-U-1347 **(17)**
3206-W-1349 **(17)**	3206-Y-1351 **(17)**
3206-Z-1352 **(17)**	3206-A-1353 **(17)**
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-W-9461	3202-R-9638 **(16)**

MD-20-143 Forward Axle of MT-40-143 Tandem

3202-S-9483	3202-U-9485
3206-T-1346	3206-U-1347
3206-W-1349	3206-Y-1351
3206-C-1563	3206-X-1740
3206-F-1748	3206-G-1749
3206-C-1823	3206-D-1824
3206-M-1885	3206-P-1888

MP-20-143 Forward Axle of MT-40-143 Tandem (w/Pump)

3206-W-1349	3206-Y-1351

MR-20-143 Rear Axle of MT-40-143 Tandem

3206-T-1346	3206-U-1347
3206-W-1349	3206-Y-1351
3206-C-1563	3206-X-1740
3206-F-1748	3206-G-1749
3206-C-1823	3206-D-1824
3206-M-1885	3206-P-1888

RD-20-140 Forward Axle of RT-40-140 Tandem

3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483

RR-20-140 Rear Axle of RT-40-140 Tandem

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-S-9483	3202-T-9484

RD-20-145 Forward Axle of RT-40-145 Tandem

3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-Y-9463	3202-W-9461
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-R-9638 **(16)**	3202-W-9461

RP-20-145 Fwd Axle of RT-40-145 Tandem (w/Pump)

3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483
3202-Q-9611	3202-N-9608
3202-U-9615	3202-W-9617
3202-K-9631	3202-H-9628
3206-S-1345 **(17)**	3206-Q-1343 **(17)**
3206-U-1347 **(17)**	3206-T-1346 **(17)**
3206-Y-1351 **(17)**	3206-W-1349 **(17)**
3206-A-1353 **(17)**	3206-Z-1352 **(17)**
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483
3202-S-9613 **(16)**	3202-N-9608

(16) This shaft has longer splines that engage the differential lock.

(17) Not for use with main diff. lock or No-SPIN units.

AXLE SHAFT SETS FOR 140, 141, 143, 144 & 145 SERIES AXLES

RR-20-145 Rear Axle of RT-40-145 Tandem

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9041	3202-T-9042
3202-W-9461	3202-Y-9463
3202-S-9483	3202-T-9484
3202-N-9608	3202-Q-9611
3202-W-9617	3202-U-9615
3202-H-9628	3202-K-9631
3206-Q-1343 **(17)**	3206-S-1345 **(17)**
3206-T-1346 **(17)**	3206-U-1347 **(17)**
3206-W-1349 **(17)**	3206-Y-1351 **(17)**
3206-Z-1352 **(17)**	3206-A-1353 **(17)**
3202-S-9041	3202-U-9043 **(16)**
3202-Q-9117	3202-S-9119 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-W-9461	3202-R-9638 **(16)**

RD-20-146 Forward Axle of RT-40-146 Tandem

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117

RP-20-146 Forward Axle of RT-40-146 Tandem (w/Pump)

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117

RR-20-146 Rear Axle of RT-40-146 Tandem

LEFT HAND	RIGHT HAND
3202-Q-9117	3202-R-9118

RD-22-145 Forward Axle of RT-44-145 Tandem

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483
3202-U-9043 **(16)**	3202-S-9041
3202-H-9342 **(16)**	3202-F-9340
3202-U-9485 **(16)**	3202-S-9483

RP-22-145 Forward Axle of RT-44-145 Tandem (w/Pump)

LEFT HAND	RIGHT HAND
3202-R-9118	3202-Q-9117
3202-G-9341	3202-F-9340
3202-T-9042	3202-S-9041
3202-T-9484	3202-S-9483
3202-U-9043 **(16)**	3202-S-9041
3202-S-9119 **(16)**	3202-Q-9117
3202-U-9485 **(16)**	3202-S-9483

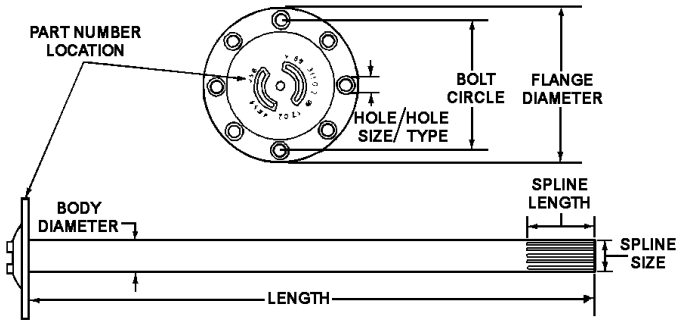
RR-22-145 Rear Axle of RT-44-145 Tandem

LEFT HAND	RIGHT HAND
3202-S-9041	3202-T-9042
3202-Q-9117	3202-R-9118
3202-F-9340	3202-G-9341
3202-S-9483	3202-T-9484
3202-S-9041	3202-U-9043 **(16)**
3202-F-9340	3202-H-9342 **(16)**
3202-S-9483	3202-U-9485 **(16)**
3202-Q-9117	3202-S-9119 **(16)**

(16) This shaft has longer splines that engage the differential lock.

(17) Not for use with main diff. lock or No-SPIN units.

AXLE SHAFTS



Part Number	Body Dia.	Length	Spline Size	Spline Len.	Flange Dia.	No. of Holes	Hole Size	Bolt Circle	Hole Type
3202-G-9601	1.62"	37.51"	2.00"-39	2.88"	6.25"	12	.50"	5.25"	Taper
3202-J-9604	1.62"	43.54"	2.00"-39	2.88"	6.25"	12	.50"	5.25"	Taper
3202-B-9050	1.75"	37.87"	1.85"-36	2.60"	6.25"	12	.50"	5.25"	Taper
3202-Y-9281	1.75"	38.21"	1.85"-36	2.60"	6.25"	12	.50"	5.25"	Taper
3202-C-9051	1.75"	43.89"	1.85"-36	2.60"	6.25"	12	.50"	5.25"	Taper
3206-F-1748	1.88"	35.75"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-M-1885	1.88"	35.86"	2.10"-41	2.88"	7.93"	12	.59"	6.75"	Taper
3206-Z-1352 [16]	1.88"	37.06"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-W-1349	1.88"	37.06"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-C-9597	1.88"	37.45"	2.00"-39	2.88"	6.63"	8	.63"	5.50"	Straight
3202-X-9046	1.88"	37.63"	2.00"-39	2.88"	6.25"	12	.50"	5.25"	Taper
3206-T-1346	1.88"	37.92"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3206-Q-1343	1.88"	37.92"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-G-1749	1.88"	41.70"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-P-1888	1.88"	41.75"	2.10"-41	2.88"	7.93"	12	.59"	6.75"	Taper
3206-A-1353	1.88"	43.01"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-Y-1351	1.88"	43.01"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-E-9599	1.88"	43.36"	2.00"-39	2.88"	6.43"	8	.63"	5.50"	Straight
3202-Y-9047	1.88"	43.54"	2.00"-39	2.88"	6.25"	12	.50"	5.25"	Taper
3206-U-1347	1.88"	43.87"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3206-S-1345	1.88"	43.87"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-Q-9845	2.00"	34.76"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-S-9847	2.00"	35.60"	2.10"-41	8.12"	8.38"	8	.73"	7.00"	Taper
3206-C-1563	2.00"	35.70"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-C-1823	2.00"	35.73"	2.10"-41	2.88"	8.38"	12	.59"	6.75"	Taper
3202-F-9340	2.00"	37.18"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-Q-9117	2.00"	37.18"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-S-9483	2.00"	38.04"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3202-S-9041	2.00"	38.04"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-H-9628	2.00"	38.14"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-W-9617	2.00"	40.00"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-W-9461	2.00"	40.73"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3202-N-9608	2.00"	40.85"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-X-1740	2.00"	41.49"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3206-D-1824	2.00"	41.68"	2.10"-41	2.88"	8.38"	12	.59"	6.75"	Taper
3202-K-9631	2.00"	42.43"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-G-9341	2.00"	43.13"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-R-9118	2.00"	43.13"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-X-9488	2.00"	43.13"	2.10"-41	8.12"	8.38"	8	.64"	7.00"	Straight
3202-H-9342	2.00"	43.13"	2.10"-41	8.12"	8.38"	8	.73"	7.00"	Taper
3202-S-9119	2.00"	43.13"	2.10"-41	8.12"	8.38"	8	.78"	7.00"	Straight
3202-U-9043	2.00"	43.80"	2.10"-41	8.12"	8.38"	8	.73"	7.00"	Taper
3202-T-9484	2.00"	43.99"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3202-T-9042	2.00"	43.99"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-U-9485	2.00"	44.00"	2.10"-41	8.12"	8.38"	8	.64"	7.00"	Straight
3202-U-9615	2.00"	45.94"	2.10"-41	2.88"	8.38"	8	.78"	7.00"	Straight
3202-Y-9619	2.00"	45.94"	2.10"-41	8.12"	8.38"	8	.78"	7.00"	Straight
3202-Y-9463	2.00"	46.80"	2.10"-41	2.88"	8.38"	8	.64"	7.00"	Straight
3202-Q-9611	2.00"	46.80"	2.10"-41	2.88"	8.38"	8	.73"	7.00"	Taper
3202-R-9638	2.00"	46.80"	2.10"-41	8.12"	8.38"	8	.64"	7.00"	Straight
3202-S-9613	2.00"	46.80"	2.10"-41	8.12"	8.38"	8	.73"	7.00"	Taper

16 No longer available.

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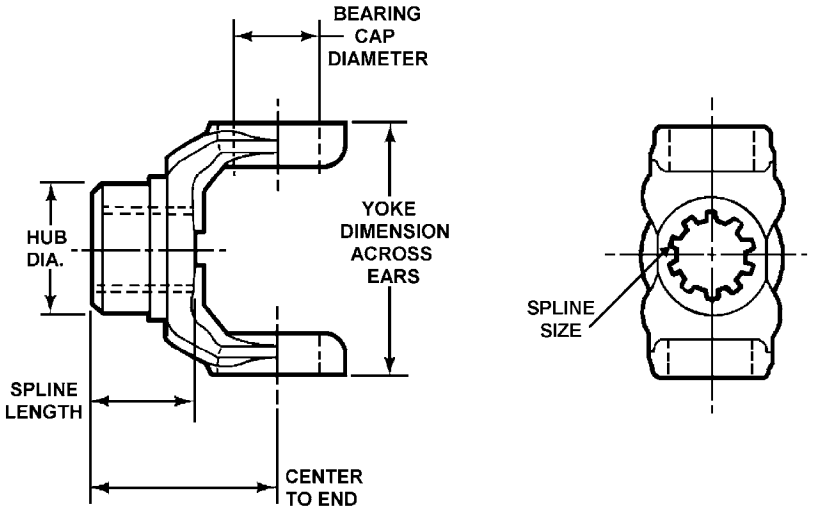
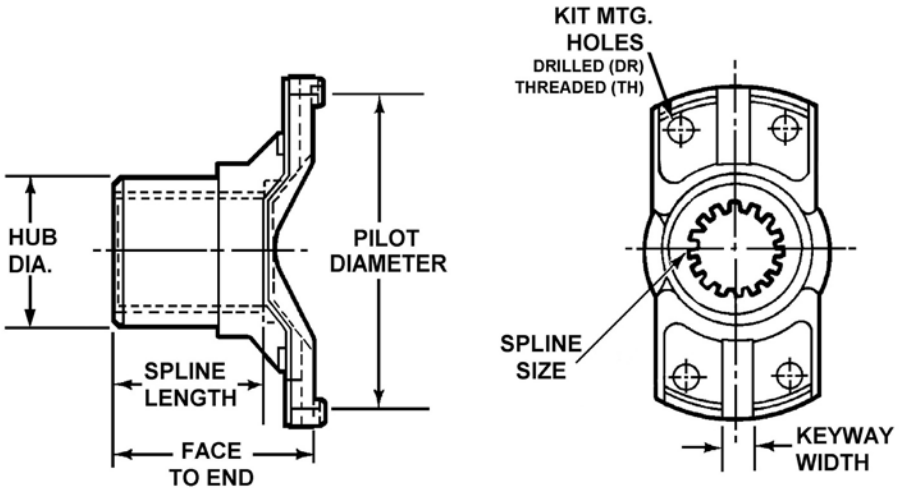
ROUND BEARING TYPE YOKES



Axle Model (Location)	Center to End	Spline Length	Hub Dia.	Bearing Cap Diameter	Yoke Dimension Across Ears	Spline Size Dia. - No. Teeth	Part Number	Production Part Number
RS-16-140	4.88"	2.25"	2.50"	1.88"	5.31"	1.75"-34	**16N-4-5621X**	A-3280-Q-7115
RS-17-140				1.94"	6.09"		**17NYS28-43A**	A-3260-H-8
(Input)								
RS-16-141	5.54"	2.31"	3.00"	1.88"	5.31"	2.00"-39	**16N-4-6281X**	A-3260-G-111
RS-17-141	6.22"			1.88"	5.31"		**16N-4-6291X**	A-3260-H-112
RS-17-144	5.19"			1.94"	7.00"		**176NYS32-3A2**	A2-3260-K-115
RS-19-144	5.16"			1.94"	6.09"		**17NYS32-100A**	
RS-19-145	6.25"			1.94"	6.09"		**17N-4-6391X**	A1-3260-P-120
RS-21-145	5.19"			1.94"	7.55"		**18NYS32-12A3**	A3-3260-L-116
(Input)								
RT-34-140	5.54"	2.31"	3.00"	1.88"	5.31"	2.00"-39	**16N-4-6281X**	A-3260-G-111
RT-40-140	6.22"			1.88"	5.31"		**16N-4-6291X**	A-3260-H-112
MT-40-143	5.19"			1.94"	7.00"		**176N-4-541X**	A-3260-K-115
RT-34-144	5.16"			1.94"	6.09"		**17N-4-6411X**	A-3260-Q-121
RT-38-144	6.25"			1.94"	6.09"		**17NYS32-99A**	
RT-34-145	5.19"			1.94"	7.55"		**18NYS32-12A3**	A3-3260-L-116
RT-40-145	4.94"	2.32"	3.25"	1.88"	5.31"	2.38"-46	**16NYS38-8A**	A-3260-T-1034
RT-44-145	5.38"			1.94"	6.09"		**17N-4-7181X**	A-3260-U-359
(Fwd. Input)	5.06"			1.94"	7.00"		**176NYS38-14A**	A-3260-V-360
	5.16"			1.94"	7.55"		**18NYS38-27A**	
(Fwd. Output)	6.03"	2.25"	2.50"	1.88"	5.31"	1.75"-34	**16N-4-6251**	3260-U-125
(Original Design	5.44"			1.88"	5.31"		**16N-4-6261**	3260-T-124
140 Tandem)	5.97"			1.94"	6.09"		**17N-4-6321**	3260-W-127
	4.88"			1.94"	6.09"		**17N-4-6331**	3260-V-126
(Fwd. Output)	5.19"	2.31"	3.00"	1.94"	7.00"	2.00"-39	**176N-4-531**	3260-K-115
(All Others)	5.16"			1.94"	6.09"		**17NYS32-100**	
	6.25"			1.94"	6.09"		**17NYS32-99**	
(Rear Input)	5.54"	2.31"	3.00"	1.88"	5.31"	2.00"-39	**16N-4-6281X**	A-3260-G-111
	6.22"			1.88"	5.31"		**16N-4-6291X**	A-3260-H-112
	5.19"			1.94"	7.00"		**176NYS32-3A2**	A2-3260-K-115
	5.16"			1.94"	6.09"		**17NYS32-100A**	
	6.25"			1.94"	6.09"		**17N-4-6391X**	A1-3260-P-120

WING BEARING TYPE YOKES



Axle Model (Location)	Face to End	Spline Length	Hub Dia.	Pilot Diameter	Keyway Width	Spline Size Dia. - No. Teeth	Hole Type	Part Number	Production Part Number
RS-16-140	3.88"	2.25"	2.50"	5.31"	.63"	1.75"-34	TH	**58WBYS28-182A**	A-3260-L-38
RS-17-140	3.88"			5.31"	.63"		TH	**58WBYS28-186A**	A-3260-K-63
(Input)	3.31"			5.53"	.56"		TH	**62NYS28-160A**	A-3260-Z-52
	3.94"			5.53"	.56"		DR	**62NYS28-201A**	A-3260-Q-1135
	3.94"			5.53"	.56"		TH	**62NYS28-202A**	A-3260-S-1137
	3.75"			5.84"	.63"		TH	**72NYS28-166A**	A-3260-F-32
RS-16-141	3.81"	2.31"	3.00"	5.31"	.63"	2.00"-39	TH	**58WBYS32-47A** [16]	A-3260-S-253
RS-17-141	3.81"			5.84"	.63"		TH	**72NYS32-244A**	A-3260-S-123
RS-19-145	3.88"			8.13"	.63"		TH	**82NYS32-74A1**	A1-3260-M-117
RS-21-145	4.25"			8.25"	.63"		TH	**92NYS32-25A1**	A1-3260-N-118
(Input)	4.44"			8.25"	.63"		DR	**92NYS32-26A**	A-3260-B-132
(Fwd. Input)	3.81"	2.31"	3.00"	5.84"	.63"	2.00"-39	TH	**72NYS32-244A1**	A1-3260-S-123
RT-34-140	4.25"			8.25"	.63"		TH	**92NYS32-25A**	A-3260-N-118
RT-34-145									
RT-40-145	4.22"	2.32"	3.25"	8.25"	.63"	2.38"-46	TH	**92NYS38-73A**	A-3260-K-1129
RT-44-145									
(Fwd. Output)	3.81"	2.31"	3.00"	5.84"	.63"	2.00"-39	TH	**72NYS32-244**	3260-S-123
(Original Design	4.25"			8.25"	.63"		TH	**92NYS32-25**	3260-N-118
140 Tandem)	4.44"			8.25"	.63"		DR	**92NYS32-26**	3260-B-132
(All Others)	3.63"	2.25"	2.50"	5.84"	.63"	1.75"-34	TH	**72NYS28-176**	3260-X-128
	4.69"			5.84"	.63"		DR	**72NYS28-177**	3260-Y-129
	4.25"			5.84"	.63"		TH	**72NYS28-179**	3260-X-154
	4.25"			8.25"	.63"		DR	**92NYS28-5**	3260-A-131
(Rear Input)	3.81"	2.31"	3.00"	5.31"	.63"	2.00"-39	TH	**58WBYS32-47A**	A-3260-S-253
	3.81"			5.84"	.63"		TH	**72NYS32-244A**	A-3260-S-123
	3.88"			8.13"	.63"		TH	**82NYS32-74A1**	A1-3260-M-117
	4.25"			8.25"	.63"		TH	**92NYS32-25A1**	A1-3260-N-118
	4.44"			8.25"	.63"		DR	**92NYS32-26A**	A-3260-B-132

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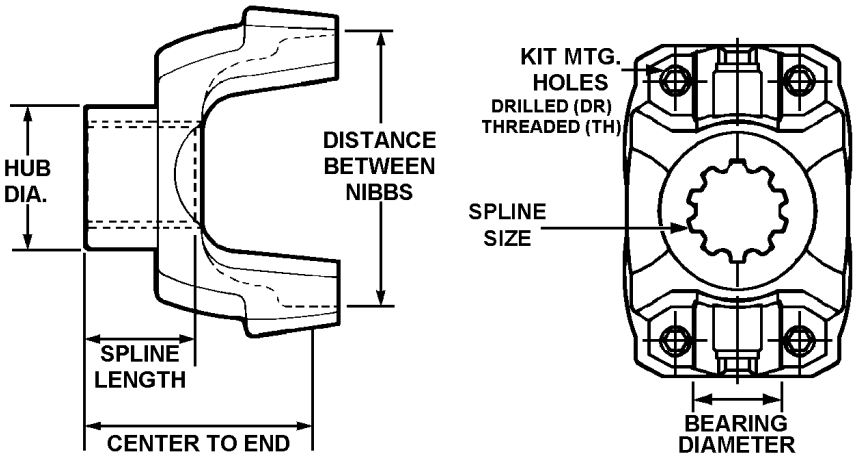
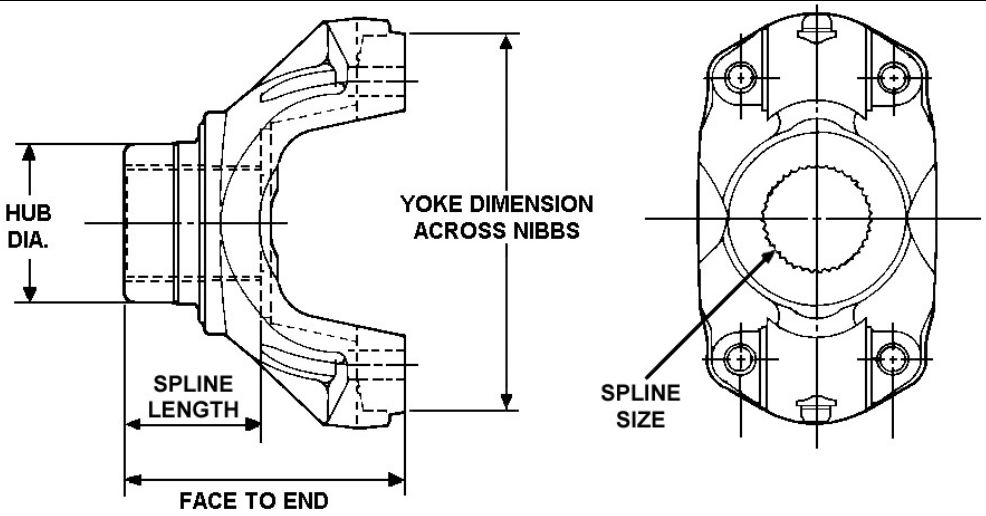
EASY SERVICE (STRAP) TYPE YOKES



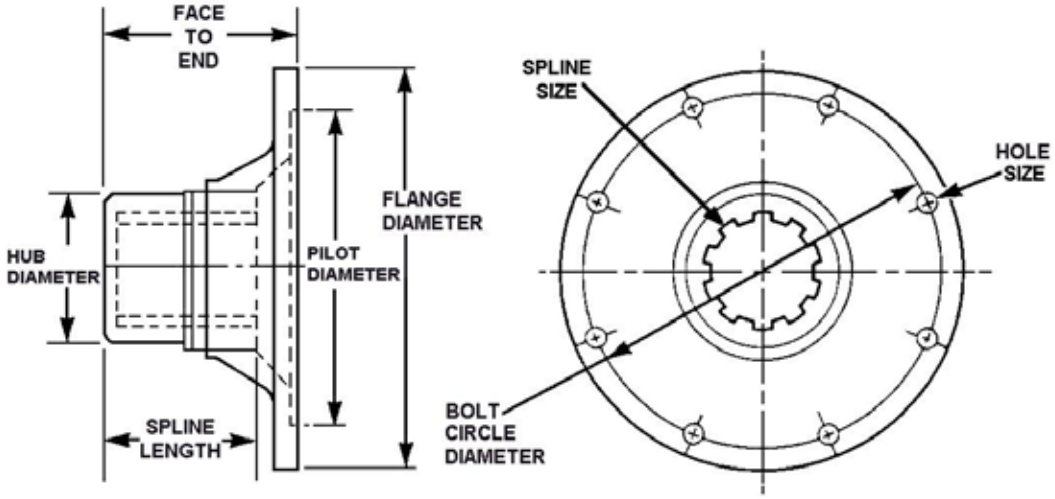
Axle Model (Location)	Center to End	Spline Length	Hub Dia.	Bearing Cap Diameter	Distance Between Nibbs	Spline Size Dia. - No. Teeth	Hole Type	Part Number	Production Part Number
RS-16-140	4.19"	2.25"	2.50"	1.19"	4.19"	1.75"-34	DR	**141DYS28A**	A-3280-J-8070
RS-17-140	4.47"			1.38"	4.19"		DR	**148DYS28A**	
(Input)	4.69"			1.38"	4.97"		DR	**155DYS28-1A**	A-3260-N-248
	4.66"			1.38"	4.97"		DR	**155NYS28-5A**	A-3260-B-2
	4.88"			1.88"	5.31"		TH	**16TYS28-13A**	A-3260-J-1232
	4.88"			1.94"	6.19"		TH	**17TYS28-57A**	A-3260-V-1296
RS-16-141	4.75"	2.31"	3.00"	1.38"	4.19"	2.00"-39	TH	**148TYS32-4A**	A-3260-S-1241
RS-17-141	4.75"			1.38"	4.97"		DR	**155DYS32-6A**	A-3260-F-318
RS-17-144	4.75"			1.38"	4.97"		TH	**155TYS32-6A**	A-3260-A-1353
RS-19-144	5.54"			1.88"	5.31"		TH	**16TYS32-32A**	A-3260-F-1280
RS-19-145	6.22"			1.88"	5.31"		TH	**16TYS32-76A**	A-3260-D-1668
RS-21-145	4.88"			1.88"	5.31"		TH	**16TYS32-86A**	
(Input)	5.19"			1.94"	7.09"		TH	**176TYS32-3A1**	A1-3260-S-1267
	6.25"			1.94"	6.19"		TH	**17TYS32-99A**	
	5.16"			1.94"	6.19"		TH	**17N-4-7631-1X**	A-3260-R-1292
	5.19"			1.94"	7.63"		TH	**18TYS32-12A1**	A1-3260-N-1262
RT-34-140	4.38"	2.31"	3.00"	1.38"	4.97"	2.00"-39	TH	**155TYS32-2A**	A-3260-W-1037
RT-40-140	4.88"			1.88"	5.31"		TH	**16N-4-6431-1X**	
RT-34-144	5.19"			1.94"	7.09"		TH	**176N-4-541-1X**	A-3260-S-1267
RT-38-144	6.25"			1.94"	6.19"		TH	**17TYS32-95A1**	
RT-34-145	5.16"			1.94"	6.19"		TH	**17N-4-7641-1X**	A1-3260-R-1292
RT-40-145	5.19"			1.94"	7.63"		TH	**18N-4-3381-1X**	A-3260-N-1262
RT-44-145	4.94"	2.32"	3.25"	1.88"	5.31"	2.38"-46	TH	**16N-4-7341-1X**	A-3260-L-1234
(Fwd. Input)	5.38"			1.94"	6.19"		TH	**17TYS38-76A**	
	5.06"			1.94"	7.09"		TH	**176TYS38-27A**	
	5.16"			1.94"	7.64"		TH	**18TYS38-27A**	
(Fwd. Output)	4.75"	2.31"	3.00"	1.38"	4.97"	2.00"-39	DR	**155DYS32-6**	3260-F-318
(New Design	5.54"			1.88"	5.31"		TH	**16N-4-6271-1**	3260-F-1280
Only)	6.22"			1.88"	5.31"		TH	**16TYS32-76**	3260-D-1668
	6.25"			1.94"	6.19"		TH	**17TYS32-99**	
(Rear Input)	4.75"	2.31"	3.00"	1.38"	4.19"	2.00"-39	TH	**148TYS32-4A**	A-3260-S-1241
	4.75"			1.38"	4.97"		DR	**155DYS32-6A**	A-3260-F-318
	4.75"			1.38"	4.97"		TH	**155TYS32-6A**	A-3260-A-1353
	5.54"			1.88"	5.31"		TH	**16TYS32-32A**	A-3260-F-1280
	6.22"			1.88"	5.31"		TH	**16TYS32-76A**	A-3260-D-1668
	4.88"			1.88"	5.31"		TH	**16TYS32-86A**	
	5.19"			1.94"	7.09"		TH	**176TYS32-3A1**	A1-3260-S-1267
	6.25"			1.94"	6.19"		TH	**17TYS32-99A**	
	5.16"			1.94"	6.19"		TH	**17N-4-7631-1X**	A-3260-R-1292
	5.19"			1.94"	7.63"		TH	**18TYS32-12A1**	A1-3260-N-1262
MT-40-143	5.10"	2.32"	3.25"	2.17"	6.46"	2.38"-46	TH	**170TYS38-4A**	A-3260-F-1826
Forward Input	5.32"			2.36"	6.41"		TH	**250TYS38-2A**	A-3260-H-1828
Forward Output	5.09"	2.31"	3.00"	2.17"	6.46"	2.00"-39		**170TYS32-2**	3260-G-1827
Rear Input	5.09"	2.31"	3.00"	2.17"	6.46"	2.00"-39		**170TYS32-2A**	A-3260-G-1827
	6.39"			2.17"	6.46"			**170TYS32-1A**	A-3260-J-1830

RPL SERIES YOKES



Axle Model	Face to End	Hub Dia.	Spline Length	Yoke Dimension Across Nibbs	Spline Size Dia. - No. Teeth	Part Number
MT-40-143	4.90"	3.25"	2.32"	7.06"	2.38"-46	**20WYS38-4A**
(Fwd. Input)	4.73"			8.38"		**25WYS38-13A**
(Fwd. Output)	5.95"	3.00"	2.31"	7.06"	2.00"-39	**20WYS32-2**
(Rear Input)	5.95"	3.00"	2.31"	7.06"	2.00"-39	**20WYS32-2A**

COMPANION FLANGES



Axle Model (Location)	Face to End	Spline Length	Hub Dia.	Pilot Dia. M=Male F=Female	Flange Dia.	Hole Size	Bolt Circle Dia.	Spline Size Dia. - No. Teeth	Part Number	Production Part Number
RS-16-140 RS-17-140	2.84"	2.25"	2.50"	F-3.75"	Square Flange	.51"	4.75"	1.75"-34	**2WCS28-73A**	A-3260-D-4
(Input)	2.94"			F-7.75"	8.00"	.38"	7.25"		**5WCS28-54A**	A-3260-G-7
RS-16-141 RS-17-141 RS-17-144 RS-19-144 RS-19-145 RS-21-145 (Input)	3.38" 3.31"	2.31"	3.00"	F-6.63" F-7.75"	6.88" 8.00"	.38" .41"	6.13" 7.25"	2.00"-39	**3WCS32-73A1** **5WCS32-86A2**	A1-3260-V-152 A2-3260-F-136
(Fwd. Input) RT-34-140 RT-40-140 RT-34-144 RT-38-144 RT-34-145 RT-40-145 RT-44-145	3.38" 3.31" 2.62" 3.27"	2.31"	3.00"	F-6.63" F-7.75" F-7.75" F-7.75"	6.88" 8.00" 8.00" 8.00"	.38" .41" .44" .40"	6.13" 7.25" 7.25" 7.25"	2.00"-39	**3WCS32-73A** **5WCS32-86A** **5WCS32-89A** **5WCS32-94A**	A-3260-V-152 A-3260-F-136 A-3260-E-213 A-3260-M-325
(Fwd. Output) (Original Design 140 Tandem)	2.94"	2.25"	2.50"	F-6.63"	6.88"	.38"	6.13"	1.75"-34	**3WCS28-93**	3260-J-10
(All Others)	3.31"	2.31"	3.00"	F-7.75"	8.00"	.41"	7.25"	2.00"-39	**5WCS32-86**	3260-F-136
(Rear Input)	3.38" 3.31"	2.31"	3.00"	F-6.63" F-7.75"	6.88" 8.00"	.38" .41"	6.13" 7.25"	2.00"-39	**3WCS32-73A1** **5WCS32-86A2**	A1-3260-V-152 A2-3260-F-136

AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
RS-16-140	3200-M-1547 Standard	Carrier overhaul	KIT RS-17-140
		Carrier bearings and oil seals	KIT 4345
		Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2321
		Main differential nest with spider	KIT 2308
		Main differential nest without spider	KIT 2309
		Ring gear to differential case bolts, nuts and washers	KIT 2317
	3200-L-1676 Standard	Carrier bearings and oil seals	KIT 4350
		Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2321
		Main differential nest with spider	KIT 2389
		Main differential nest without spider	KIT 2431
		Ring gear to differential case bolts, nuts and washers	KIT 2317
RS-16-141	3200-L-1676 Standard	Carrier bearings and oil seals	KIT 4400
	3200-Q-1785 Standard	Pinion bearing cage shims	KIT 2313
	3200-S-1865 Standard	Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2389
		Main differential nest without spider	KIT 2431
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Carrier and cap upgrade to thrust screw version	KIT 2756
RS-17-140	3200-M-1547 Standard 3200-L-1676 Standard 3200-Q-1785 Standard 3200-S-1865 Standard	See kits for same base carrier of RS-16-140	–
	3200-M-1547 NoSpin diff. 3200-L-1676 NoSpin diff. 3200-Q-1785 NoSpin diff. 3200-S-1865 NoSpin diff.	See kits for same base carrier of RS-16-140 except KIT RS-17-140, KIT 2308, KIT 2309, KIT 2389 and KIT 2431 cannot be used as they apply to standard differential nest type carriers.	–
RS-17-141	3200-L-1676 Standard 3200-Q-1785 Standard 3200-S-1865 Standard	See kits for same base carrier of RS-16-141	–
RD-17-145	3200-G-1645 Standard	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
	3200-T-1814 Standard	Carrier bearings and oil seals (After 11/93)	KIT 4396
	3200-B-1978 Standard	Input brg cage shims & pinion inner brg cup shims	KIT 2429
		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2389
		Main differential nest without spider	KIT 2431
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier and cap upgrade to thrust screw	KIT 2751
		Carrier, cap and IAD shift cylinder upgrade	KIT 2706
	3200-G-1645 NoSpin diff. 3200-T-1814 NoSpin diff. 3200-B-1978 NoSpin diff.	See kits for standard carrier except KIT 2389 and KIT 2431 which apply to standard differential type carriers.	–

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AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
RP-17-145	3200-X-1662 Pump	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
	3200-V-1816 Pump	Carrier bearings and oil seals (After 11/93)	KIT 4396
	3200-H-1984 Pump	Input brg cage shims & pinion inner brg cup shims	KIT 2429
		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2389
		Main differential nest without spider	KIT 2431
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Input shaft and pump upgrade	KIT 2835
		Carrier and cap upgrade to thrust screw	KIT 2753
	3200-X-1662 NoSpin diff. 3200-V-1816 NoSpin diff. 3200-H-1984 NoSpin diff.	See kits for carrier with pump except KIT 2389 and KIT 2431 which apply to standard differential type carriers.	–
RR-17-145	3200-L-1676 Standard 3200-Q-1785 Standard 3200-S-1865 Standard	See kits for same base carrier of RS-16-141	–
RS-19-145	3200-L-1676 Standard 3200-Q-1785 Standard 3200-S-1865 Standard	See kits for same base carrier of RS-16-141	–
	3200-L-1676 NoSpin diff. 3200-Q-1785 NoSpin diff. 3200-S-1865 NoSpin diff.	See kits for same base carrier of RS-16-141 except KIT 2389 and KIT 2431 which apply to standard differential type carriers.	–
RD-20-140	3200-G-1645 Standard	Carrier overhaul	KIT RD-20140NL
	3200-T-1814 Standard	Carrier bearings and oil seals (Prior to 11/93)	KIT 4355
	3200-B-1978 Standard	Carrier bearings and oils seals (updated input shaft)	KIT 4356
		Input brg cage shims & pinion inner brg cup shims	KIT 2429
		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 530
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier and cap upgrade to thrust screw	KIT 2751
		Carrier, cap and IAD shift cylinder upgrade	KIT 2706
RR-20-140	3200-L-1676 Standard	Carrier overhaul	KIT RS-145 1676
	3200-Q-1785 Standard	Carrier bearings and oil seals	KIT 4400
	3200-S-1865 Standard	Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Carrier and cap upgrade to thrust screw	KIT 2756

AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
MR-20-143	3200-W-2051 Standard	Pinion bearing shims	KIT 1647
		Pinion bearing split spacers	KIT 2541
		Carrier bearings and oil seals	KIT 4461
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
MD-20-143	3200-G-1645 Standard	Carrier overhaul	KIT RD-20145NL
RD-17-144	3200-T-1814 Standard	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
RD-19-144	3200-F-1852 Standard	Carrier bearings and oil seals (After 11/93)	KIT 4396
RD-20-145	3200-N-1860 Standard	Input brg cage shims & pinion inner brg cup shims	KIT 2429
	3200-S-1917 Standard	Pinion bearing spacers	KIT 2396
	3200-B-1978 Standard	Main differential nest with spider	KIT 2310
	3200-C-1979 Standard	Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier and cap upgrade to thrust screw	KIT 2751
		Carrier, cap and IAD shift cylinder upgrade	KIT 2706
	3200-M-1677 Diff. lock	Same as RD-20-145 standard except for the following kits:	
	3200-U-1815 Diff. lock	Carrier overhaul	KIT RD-20145DL
	3200-R-1890 Diff. lock	Carrier bearings and oil seals (Prior to 11/93)	KIT 4405
	3200-E-1903 Diff. lock	Carrier bearings and oil seals (After 11/93)	KIT 4406
	3200-E-1981 Diff. lock	Shift kit (bolt on style main diff. lock)	KIT 2413
		Shift kit (screw on style main diff. lock)	KIT 2662
MP-20-143	3200-L-1624 Pump w/lock	Carrier overhaul	KIT RD-20145DL
RP-17-144	3200-W-1817 Pump w/lock	Carrier bearings and oil seals (Prior to 11/93)	KIT 4405
RP-19-144	3200-P-1888 Pump w/lock	Carrier bearings and oil seals (After 11/93)	KIT 4406
RP-20-145	3200-D-1902 Pump w/lock	Input brg cage shims & pinion inner brg cup shims	KIT 2429
	3200-K-1987 Pump w/lock	Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier and cap upgrade to thrust screw	KIT 2754
		Carrier, cap and IAD shift cylinder upgrade	KIT 2705
		Input shaft and pump	KIT 2623
		Shift kit (bolt on style main diff. lock)	KIT 2413
		Shift kit (screw on style main diff. lock)	KIT 2662

AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
MP-20-143	3200-X-1662 Pump	Carrier overhaul	KIT RD-20145NL
RP-17-144	3200-V-1816 Pump	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
RP-19-144	3200-G-1853 Pump	Carrier bearings and oil seals (After 11/93)	KIT 4396
RP-20-145	3200-H-1984 Pump	Input brg cage shims & pinion inner brg cup shims	KIT 2429
(cont)		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Input shaft and pump upgrade	KIT 2623
		Carrier and cap upgrade to thrust screw	KIT 2753
	3200-X-1662 NoSpin diff. 3200-V-1816 NoSpin diff. 3200-H-1984 NoSpin diff. **WITH PUMP**	Same as pump with no lock with the following exceptions: KIT RD20145NL, KIT 2310 and KIT 2311 apply only to standard differential carriers, not used with NoSpin.	
RR-17-144	3200-L-1676 Standard	Carrier overhaul	KIT RS-145 1676
RR-19-144	3200-Q-1785 Standard	Carrier bearings and oil seals	KIT 4400
RR-20-145	3200-D-1850 Standard	Pinion brg cage shims (3200-L-1676 & 3200-M-1885)	KIT 2313
	3200-E-1851 Standard	Pinion bearing cage shims (all others)	KIT 1568
	3200-S-1865 Standard	Pinion bearing spacers	KIT 2322
	3200-M-1885 Standard	Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Carrier and cap upgrade to thrust screw	KIT 2756
	Same carriers as above but with No-Spin diff.	Same as above with the following exceptions: KIT RS-145 1676, KIT 2310 and KIT 2311 apply only to standard differential carriers, not used with NoSpin.	
	3200-X-1558 Diff. lock	Carrier overhaul	KIT RS-145 1547
	3200-G-1879 Diff. lock	Carrier bearings and oil seals	KIT 4390
		Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Diff. lock actuator repair kit (bolt-on version)	KIT 2405
		Diff. lock actuator repair kit (screw-in version)	KIT 2662
		Carrier and cap upgrade to thrust screw	KIT 2755
RS-17-144	3200-L-1676 Standard	See kits for same base carriers of RR-20-145	
RS-19-144	3200-Q-1785 Standard		
RS-21-145	3200-D-1850 Standard		
	3200-E-1851 Standard		
	3200-S-1865 Standard		
	3200-M-1885 Standard		
	3200-L-1676 NoSpin diff.	See kits for same base carrier of RR-20-145	
	3200-X-1558 Diff. lock 3200-G-1879 Diff. lock	See kits for same base carriers of RR-20-145	

AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
RS-17-144	3200-R-1500 Diff. lock	Carrier overhaul	KIT RS-145 1500
RS-19-144		Carrier bearings and oil seals	KIT 4385
RS-21-145		Pinion bearing cage shims	KIT 2313
(cont)		Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2310
		Main differential nest without spider	KIT 2311
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Diff. lock actuator repair kit (bolt-on)	KIT 2405
RD-22-145	3200-B-1874 Standard	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
	3200-D-1980 Standard	Carrier bearings and oil seals (After 11/93)	KIT 4396
		Input brg cage shims & pinion inner brg cup shims	KIT 2429
		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2696
		Main differential nest without spider	KIT 2703
		Main differential case upgrade 3.42 thru 4.11	KIT 2665
		Main differential case upgrade 4.30 and slower	KIT 2647
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier and cap upgrade to thrust screw	KIT 2751
		Carrier, cap and IAD shift cylinder upgrade	KIT 2706
	3200-C-1875 Diff. lock	Same as RD-20-145 standard except for the following kits:	
	3200-G-1905 Diff. lock	Carrier bearings and oil seals (Prior to 11/93)	KIT 4405
	3200-F-1982 Diff. lock	Carrier bearings and oil seals (After 11/93)	KIT 4406
		Carrier, cap and IAD shift cylinder upgrade	KIT 2704
		Main differential case upgrade 3.42 thru 4.11	KIT 2664
		Main differential case upgrade 4.30 and slower	KIT 2648
		Shift kit (bolt on style main diff. lock)	KIT 2413
		Shift kit (screw on style main diff. lock)	KIT 2691
		Carrier and cap upgrade to thrust screw	KIT 2752
RP-22-145	3200-E-1877 Pump w/lock	Carrier bearings and oil seals (Prior to 11/93)	KIT 4405
	3200-H-1906 Pump w/lock	Carrier bearings and oil seals (After 11/93)	KIT 4406
	3200-M-1911 Pump w/lock	Input brg cage shims & pinion inner brg cup shims	KIT 2429
	3200-T-1918 Pump w/lock	Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2696
		Main differential nest without spider	KIT 2703
		Main differential case upgrade 3.42 thru 4.11	KIT 2664
		Main differential case upgrade 4.30 and slower	KIT 2648
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Carrier, cap and IAD shift cylinder upgrade	KIT 2705
		Input shaft and pump	KIT 2623
		Shift kit (bolt on style main diff. lock)	KIT 2413
		Shift kit (screw on style main diff. lock)	KIT 2691
		Carrier and cap upgrade to thrust screw	KIT 2754

AXLE MODEL TO CARRIER TO KIT CROSS REFERENCE

AXLE MODEL	BASE CARRIER	KIT DESCRIPTION	KIT NUMBER
RP-22-145 (cont)	3200-D-1876 Pump 3200-P-1914 Pump 3200-J-1986 Pump	Carrier bearings and oil seals (Prior to 11/93)	KIT 4395
		Carrier bearings and oil seals (After 11/93)	KIT 4396
		Input brg cage shims & pinion inner brg cup shims	KIT 2429
		Pinion bearing spacers	KIT 2396
		Main differential nest with spider	KIT 2696
		Main differential nest without spider	KIT 2703
		Main differential case upgrade 3.42 thru 4.11	KIT 2665
		Main differential case upgrade 4.30 and slower	KIT 2647
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Output bearing snap ring spacers	KIT 576
		Inter-axle differential case and nest (Prior to 10/98)	KIT 2488
		Inter-axle differential case and nest (After 10/98)	KIT 2522
		Helical gears	KIT 2482
		Input shaft and pump upgrade	KIT 2623
		Carrier and cap upgrade to thrust screw	KIT 2753
	Same carriers as above but with No-Spin diff.	Same as above with the following exceptions: KIT RD20145NL, KIT 2310 and KIT 2311 apply only to standard differential carriers, not used with NoSpin.	
RR-22-145	3200-A-1873 Standard	Carrier bearings and oil seals	KIT 4400
		Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2696
		Main differential nest without spider	KIT 2703
		Main differential case upgrade 3.42 thru 4.11	KIT 2665
		Main differential case upgrade 4.30 and slower	KIT 2647
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Carrier and cap upgrade to thrust screw	KIT 2756
	Same carriers as above but with No-Spin diff.	Same as above with the following exceptions: KIT RS-145 1676, KIT 2310 and KIT 2311 apply only to standard differential carriers, not used with NoSpin.	
	3200-F-1904 Diff. lock	Carrier bearings and oil seals	KIT 4390
		Pinion bearing cage shims	KIT 2313
		Pinion bearing spacers	KIT 2322
		Main differential nest with spider	KIT 2696
		Main differential nest without spider	KIT 2703
		Main differential case upgrade 3.42 thru 4.11	KIT 2664
		Main differential case upgrade 4.30 and slower	KIT 2648
		Ring gear to differential case bolts, nuts and washers	KIT 2317
		Diff. lock actuator repair kit (bolt-on)	KIT 2405
		Carrier and cap upgrade to thrust screw	KIT 2755

SERVICE KITS

KIT RD20140NL

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2310	1	Main Diff. Kit with Spider	Without diff. lock, old style welded IAD RD-20-140
2	KIT 2396	1	Spacer Kit	
3	KIT 2429	1	Shim Kit	
4	KIT 576	1	Snap Ring Kit	
5	KIT 2488	1	IAD Kit	
6 ▶	40-X-1145	1	Nut	
7	KIT 2637	1	Input Nut and Washer Kit	
8	KIT 4395	1	Bearing & Seal Kit	
9 ▶	JM-511945	1	Bearing Cone	

KIT RD20145DL

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2310	1	Main Diff. Kit with Spider	With diff. lock, old style welded IAD. Later model bolted IAD carriers can use this kit. RD-17-144, RD-19-144, RD-20-145, RP-17-144, RP-19-144, RP-20-145
2	KIT 2396	1	Spacer Kit	
3	KIT 2429	1	Shim Kit	
4	KIT 576	1	Snap Ring Kit	
5	KIT 2488	1	IAD Kit	
6 ▶	40-X-1145	1	Nut	
7	KIT 2637	1	Input Nut and Washer Kit	
8	KIT 4405	1	Bearing & Seal Kit	
9 ▶	JM-511945	1	Bearing Cone	
10▶	40-X-1233	1	Lock Nut	
11	1229-N-1730	1	Washer	
12	A1-1205-X-2728	1	Oil Seal Assembly	

KIT RD20145NL

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2310	1	Main Diff. Kit with Spider	Without diff. lock, old style welded IAD. Later model bolted IAD carriers can use this kit. RD-17-144, RD-19-144, RD-20-145, RP-17-144, RP-19-144, RP-20-145
2	KIT 2396	1	Spacer Kit	
3	KIT 2429	1	Shim Kit	
4	KIT 576	1	Snap Ring Kit	
5	KIT 2488	1	IAD Kit	
6 ▶	40-X-1145	1	Nut	
7	KIT 2637	2	Input Nut and Washer Kit	
8	KIT 4395	1	Bearing & Seal Kit	
9 ▶	JM-511945	1	Bearing Cone	
10▶	40-X-1233	1	Lock Nut	
11	1229-N-1730	1	Washer	
12	A1-1205-X-2728	1	Oil Seal Assembly	

KIT RR22145 1873

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2696	1	Main Diff. Kit with Spider	Less diff lock. RR-22-145
2	KIT 2637	1	Input Nut and Washer Kit	
3	KIT 2322	1	Spacer Kit	
4	KIT 1568	1	Shim Kit	
5	KIT 4400	1	Bearing & Seal Kit	

KIT RS145 1500

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2310	1	Main Diff. Kit with Spider	For 3200-R-1500 DCDL carriers. RR-20-145, RS-21-145
2	KIT 2637	1	Input Nut and Washer Kit	
3	KIT 2322	1	Spacer Kit	
4	KIT 2313	1	Shim Kit	
5	KIT 4385	1	Bearing & Seal Kit	

KIT RS145 1547

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2310	1	Main Diff. Kit with Spider	For DCDL carriers other than 3200-R-1500. RR-17-144, RR-19-144, RR-20-145, RS-17-144, RS-19-144, RS-21-145
2	KIT 2637	1	Input Nut and Washer Kit	
3	KIT 2322	1	Spacer Kit	
4	KIT 2313	1	Shim Kit	
5	KIT 4390	1	Bearing & Seal Kit	

SERVICE KITS

KIT RS145 1676

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**KIT 2310**	1	Main Diff. Kit with Spider	Non-DCDL carriers.
2	**KIT 2637**	1	Input Nut and Washer Kit	RR-20-140, RR-20-145, RS-17-144, RS-19-144
3	**KIT 2322**	1	Spacer Kit	
4	**KIT 2313**	1	Shim Kit	
5	**KIT 4400**	1	Bearing & Seal Kit	
6	**KIT 1568**	1	Shim Kit	

KIT RS17140

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**KIT 2308**	1	Main Diff. Kit with Spider	RS-16-140, RS-17-140
2	**KIT 2636**	1	Fastener Kit	
3	**KIT 2321**	1	Spacer Kit	
4	**KIT 2313**	1	Shim Kit	
5	**KIT 4345**	1	Bearing & Seal Kit	

KIT 530

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**1229-A-2237**	1	Snap Ring - 3.94mm/.155 in.	Output shaft snap ring kit
2	**1229-B-2238**	1	Snap Ring - 4.01mm/.158 in.	RD-20-140
3	**1229-C-2239**	1	Snap Ring - 4.09mm/.161 in.	
4	**1229-D-2240**	1	Snap Ring - 4.17mm/.164 in.	
5	**1229-E-2241**	1	Snap Ring - 4.24mm/.167 in.	
6	**1229-F-2242**	1	Snap Ring - 4.32mm/.170 in.	
7	**1229-G-2243**	1	Snap Ring - 4.39mm/.173 in.	
8	**1229-H-2244**	1	Snap Ring - 4.47mm/.176 in.	
9	**1229-J-2246**	1	Snap Ring - 4.55mm/.179 in.	
10	**1229-K-2247**	1	Snap Ring - 4.62mm/.182 in.	

KIT 576

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**1229-P-2590**	1	Ring-Snap	Output shaft snap ring kit
2	**1229-Q-2591**	1	Ring-Snap	MD-20-143, MP-20-143, RD-17-144,
3	**1229-R-2592**	1	Ring-Snap	RD-17-145, RD-19-144, RD-20-145,
4	**1229-S-2593**	1	Ring-Snap	RD-22-145, RP-17-144, RP-17-145,
5	**1229-T-2594**	1	Ring-Snap	RP-19-144, RP-20-145, RP-22-145
6	**1229-U-2595**	1	Ring-Snap	
7	**1229-V-2596**	1	Ring-Snap	
8	**1229-W-2597**	1	Ring-Snap	
9	**1229-X-2598**	1	Ring-Snap	
10	**1229-Y-2599**	1	Ring-Snap	

KIT 1568

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2203-C-8115**	1	Shim - .075mm/.003 in.	3200-S-1865 or all single or rear/rear models
2	**2203-D-8116**	3	Shim - .125mm/.005 in.	using pinion bearing shim OD 8.5"
3	**2203-E-8117**	4	Shim - .250mm/.010 in.	140 Series
4	**2203-B-9804**	1	Shim - .500mm/.020 in.	

KIT 1647

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2203-F-2788**	3	Shim - .075mm/.003 in.	For Amboid drive axle.
2	**2203-G-2789**	2	Shim - .125mm/.005 in.	MR-20-143M, RD-17-144, RD-17-145,
3	**2203-H-2790**	4	Shim - .250mm/.010 in.	RD-19-144, RD-19-145, RD-20-145,
				RD-22-145, RP-17-144, RP-17-145,
				RP-19-144, RP-19-145, RP-20-145, RP-22-145

KIT 2308

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2233-M-1027**	4	Differential Pinion, Finished	With diff. spider (1.85"-36 spline side gear).
2	**2234-T-1086**	2	Differential Side Gear, Finished	Original design.
3	**3278-D-82**	1	Differential Spider	RS-16-140, RS-17-140
4	**1229-Z-3172**	2	Thrust Washer	
5	**1229-L-1026**	4	Thrust Washer	

SERVICE KITS

KIT 2309

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	**2233-M-1027**	4	Differential Pinion, Finished	Less diff. spider (1.85"-36 spline side gear). Original design. RS-16-140, RS-17-140
2	**2234-T-1086**	2	Differential Side Gear, Finished	
(3)	**1229-Z-3172**	2	Thrust Washer	
4	**1229-L-1026**	4	Thrust Washer	

KIT 2310

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	**2233-J-1024**	4	Differential Pinion, Finished	With diff. spider (2.10"-41 spline side gear). MD-20-143, MP-20-143, MR-20-143, RD/RP/RR-17-144, RD/RP/RR-19-144, RD/RR-20-140, RD/RP/RR-20-145, RS-17-144, RS-19-144, RS-21-145
2	**2234-U-1269**	2	Differential Side Gear, Finished	
(3)	**3278-S-305**	(1)	Differential Spider	
4	**1229-V-4624**	2	Thrust Washer	
5	**1229-R-1032**	4	Thrust Washer	

KIT 2311

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	**2233-J-1024**	4	Differential Pinion	Less diff. spider (2.10"-41 spline side gear). MD/MP/MR-20-143, RD/RP/RR-17-144, RD/RP/RR-19-144, RD/RR-20-140, RD/RP/RR-20-145, RS-17-144, RS-19-144, RS-21-145
2	**2234-U-1269**	2	Differential Side Gear, Finished	
(3)	**1229-V-4624**	2	Thrust Washer	
4	**1229-R-1032**	4	Thrust Washer	

KIT 2313

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	**2803-Q-2851**	(3)	Shim - .075mm/.003 in.	3200-L-1676 or all single or rear/rear models using pinion bearing shim OD 9.62". 140 Series
2	**2803-R-2852**	2	Shim - .125mm/.005 in.	
(3)	**2803-S-2853**	4	Shim - .250mm/.010 in.	
4	**2803-T-2854**	(1)	Shim - .500mm/.020 in.	

KIT 2317

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	**41-X-1216**	12	Capscrew	Gear to case bolt kit (17.0 mm bolts prior to 4-88). MD/MP/MR-20-143, RD/RP/RR-17-144, RD/RP/RR-17-145, RD/RP/RR-19-144, RD/RR-20-140, RD/RP/RR-20-145, RD/RP/RR-22-145, RS-16-140, RS-16-141, RS-17-140, RS-17-141, RS-17-144, RS-17-145, RS-19-144, RS-19-145, RS-21-145
2	**1229-U-1503**	12	Washer-Flat	
3 ▶	**40-X-1182**	12	Lock Nut	

KIT 2321

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2203-V-9486**	2	Spacer - 8.35mm/.329 in.	Pinion bearing spacers RS-16-140, RS-17-140
2	**2203-W-9487**	2	Spacer - 8.38mm/.330 in.	
3	**2203-X-9488**	2	Spacer - 8.40mm/.331 in.	
4	**2203-Y-9489**	2	Spacer - 8.43mm/.332 in.	
5	**2203-Z-9490**	2	Spacer - 8.45mm/.333 in.	
6	**2203-A-9491**	2	Spacer - 8.58mm/.338 in.	
7	**2203-B-9492**	2	Spacer - 8.70mm/.343 in.	
8	**2203-C-9493**	2	Spacer - 8.73mm/.344 in.	
9	**2203-D-9494**	2	Spacer - 8.75mm/.345 in.	
10	**2203-E-9495**	2	Spacer - 8.78mm/.346 in.	
11	**2203-F-9496**	2	Spacer - 8.80mm/.347 in.	

KIT 2322

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	**2203-J-9474**	2	Spacer - 8.75mm/.345 in.	Pinion bearing spacers RR-17-144, RR-17-145, RR-19-144, RR-20-140, RR-20-145, RR-22-145, RS-16-141, RS-17-141, RS-17-144, RS-19-144, RS-19-145, RS-21-145
2	**2203-K-9475**	2	Spacer - 8.78mm/.346 in.	
(3)	**2203-L-9476**	2	Spacer - 8.80mm/.347 in.	
4	**2203-M-9477**	2	Spacer - 8.83mm/.348 in.	
5	**2203-N-9478**	2	Spacer - 8.85mm/.349 in.	
6	**2203-P-9480**	2	Spacer - 8.98mm/.354 in.	
7	**2203-Q-9481**	2	Spacer - 9.10mm/.354 in.	
8	**2203-R-9482**	2	Spacer - 9.13mm/.359 in.	
9	**2203-S-9483**	2	Spacer - 9.15mm/.360 in.	
10	**2203-T-9484**	2	Spacer - 9.18mm/.361 in.	
11	**2203-U-9485**	2	Spacer - 9.20mm/.362 in.	

SERVICE KITS

KIT 2389

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2233-J-1024**	4	Differential Pinion	With diff. spider (2.00"-39 spline side gear). RD-17-145, RP-17-145, RS-16-140, RS-16-141, RS-17-140, RS-17-141
2	**2234-V-1270**	2	Differential Side Gear, Finished	
3	**3278-S-305**	1	Differential Spider	
4	**1229-V-4624**	2	Thrust Washer	
5	**1229-R-1032**	4	Thrust Washer	

KIT 2396

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2203-D-9806**	2	Spacer - 5.30mm/.209 in.	Pinion bearing spacers MD-20-143, MP-20-143, RD-17-145, RD-20-140, RD-20-145, RD-22-145, RP-17-145, RP-20-145, RP-22-145
2	**2203-E-9807**	2	Spacer - 5.33mm/.210 in.	
3	**2203-F-9808**	2	Spacer - 5.35mm/.211 in.	
4	**2203-G-9809**	2	Spacer - 5.38mm/.212 in.	
5	**2203-H-9810**	2	Spacer - 5.40mm/.213 in.	
6	**2203-J-9812**	2	Spacer - 5.50mm/.217 in.	
7	**2203-K-9813**	2	Spacer - 5.60mm/.220 in.	
8	**2203-L-9814**	2	Spacer - 5.70mm/.224 in.	
9	**2203-M-9815**	2	Spacer - 5.80mm/.228 in.	
10	**2203-N-9816**	2	Spacer - 5.90mm/.232 in.	
11	**2203-P-9818**	2	Spacer - 6.00mm/.236 in.	
12	**2203-Q-9819**	2	Spacer - 6.10mm/.240 in.	
13	**2203-R-9820**	2	Spacer - 6.13mm/.241 in.	
14	**2203-S-9821**	2	Spacer - 6.15mm/.242 in.	
15	**2203-T-9822**	2	Spacer - 6.18mm/.243 in.	
16	**2203-U-9823**	2	Spacer - 6.20mm/.244 in.	

KIT 2405

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**3196-F-32**	1	Tube,Fin.	Minor repair kit for original design main differential lock carriers. RD-20-145, RP-20-145, RP-22-145, RR-20-145, RR-22-145, RS-21-145
2	**2230-N-170**	1	Piston	
3	**5-X-1153**	1	O-Ring	
4	**2208-H-944**	1	Gasket	
5	**41-X-1364**	4	Capscrew	
6	**MWA-506**	4	Washer	

KIT 2413

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**3296-W-1167**	1	Shift Fork, Finished	RD-20-145, RD-22-145, RP-20-145, RP-22-145
2	**3107-D-1018**	1	Clutch Collar	
3	**2244-L-1026**	1	Shift Shaft	
4	**43-X-1006**	1	Roll Pin	
5	**2258-L-714**	1	Spring	
6	**3196-F-32**	1	Tube,Fin.	
7	**2230-N-170**	1	Piston	
8	**5-X-1153**	1	O-Ring	
9	**2208-H-944**	1	Gasket	
10	**3266-F-1020**	1	Cover,Fin.	
11	**MWA-506**	4	Washer	
12	**41-X-1364**	4	Capscrew	
13	**2208-L-1000**	1	Gasket	
14	**MS-210016-1**	1	Capscrew	
15▶	**41-X-1333**	1	Capscrew	
16	**3237-W-1167**	1	Switch Assembly Sensor	
17	**1227-P-1056**	1	Sensor Adjusting Nut	
18	**2257-M-1235**	1	Sensor/Switch Clip	

SERVICE KITS

KIT 2420

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2233-U-1035	(4)	Differential Pinion	IAD nest kit for the bolted IAD. Includes forward and rear side gears. For carriers built after 10/98. MD-20-143, MP-20-143, RD-17-144, RP-17-144, RD-19-144, RP-19-144, RD-17-145, RP-17-145, RD-19-145, RP-19-145, RD-20-145, RP-20-145
2	2234-R-1188	1	Differential Side Gear, Finished	
(3)	3892-S-5843	1	Forward IAD Gear	
(4)	2297-E-5335	1	Snap Ring	
(5)	3278-A-1119	1	Differential Spider, Finished	
(6)	1229-T-1606	(4)	Thrust Washer	
(7)	1229-S-4985	1	Thrust Washer	

KIT 2429

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2203-K-9241	1	Shim - .076mm/.003 in.	MD-20-143, MP-20-143, RD-17-144, RD-17-145, RD-19-144, RD-20-140, RD-20-145, RD-22-145, RP-17-144, RP-17-145, RP-19-144, RP-20-145, RP-22-145
2	2203-L-9242	1	Shim - .127mm/.005 in.	
(3)	2203-M-9243	(4)	Shim - .254mm/.010 in.	
(4)	2203-F-2788	1	Shim - .075mm/.003 in.	
(5)	2203-G-2789	1	Shim - .125mm/.005 in.	
(6)	2203-H-2790	(4)	Shim - .250mm/.010 in.	

KIT 2431

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2233-J-1024	(4)	Differential Pinion	Less diff. spider (2.00"-39 spline side gear). RD-17-145, RP-17-145, RR-17-145, RS-16-140, RS-16-141, RS-17-140, RS-17-141, RS-19-145
2	2234-V-1270	2	Differential Side Gear, Finished	
(3)	1229-V-4624	2	Thrust Washer	
(4)	1229-R-1032	(4)	Thrust Washer	

KIT 2445

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3261-R-1084	1	Shift Unit Cylinder, Finished	For "reverse-air" Navistar only. 140 Series
2	3266-Q-1161	1	Cover, Finished	
(3)	2230-D-1096	1	Piston	
(4)	2244-D-1070	1	Differential Lock Out Push Rod	
5	2258-E-1175	1	Spring	
6 ▶	5-X-1195	1	O-Ring	
7 ▶	5-X-1196	1	O-Ring	
8	5-X-1197	1	O-Ring	
9	1229-P-4280	1	Snap Ring	
10	1229-W-1245	1	Snap Ring	
11	MS-206060-1	4	Capscrew	
12▶	41-X-1080	2	Special Screw	
13	MWA-506	6	Washer	

KIT 2446

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2258-E-1175	1	Spring	For "reverse-air" Navistar only. 140 Series
2	2230-D-1096	1	Piston	
3 ▶	5-X-1195	1	O-Ring	
4 ▶	5-X-1196	1	O-Ring	
5	5-X-1197	1	O-Ring	
6	1229-P-4280	1	Snap Ring	
(7)	1229-W-1245	1	Snap Ring	

SERVICE KITS

KIT 2482

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3892-S-5843	1	Forward IAD Gear	MD-20-143, MP-20-143, RD-17-145, RD-20-140, RD-20-145, RD-22-145, RP-17-145, RP-22-145
2	3892-N-4902	1	Helical Driven Gear	
3	1229-S-4985	1	Thrust Washer	

KIT 2488

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3235-W-2025	1	Interaxle Differential Case & Nest Assembly	Old style IAD (1.77"-34 spline side gear). Services all forward carriers built before 10/98. After 10/98 use KIT 2522. RD-17-145, RD-20-140, RD-20-145, RD-22-145, RP-17-145, RP-20-145, RP-22-145
2	2234-R-1188	1	Differential Side Gear, Finished	
3	3892-S-5843	1	Forward IAD Gear	
4	1229-S-4985	1	Thrust Washer	
5	2297-E-5335	1	Snap Ring	

KIT 2511

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3216-S-4361	2	Tube Finished	ABS carrier 2"-39 spline RD-20-145, RP-20-145, RR-20-145
2	42-X-1248	2	Special Washer	
3	1229-H-4428	2	Snap Ring	

KIT 2512

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3216-Q-4359	2	Tube,Fin.	ABS carrier 2.10"-41 spline RD-17-145, RR-17-145
2	42-X-1248	2	Special Washer	
3	1229-H-4428	2	Snap Ring	

KIT 2522

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3235-N-2380	1	Interaxle Differential Case & Nest Assembly	New style IAD. Use for carriers built after 10/98. MD-20-143, MP-20-143, RD-17-144, RD-17-145, RD-19-144, RD-20-140, RD-20-145, RD-22-145, RP-17-144, RP-17-145, RP-19-144, RP-20-145, RP-22-145
2	2234-R-1188	1	Differential Side Gear, Finished	
3	3892-S-5843	1	Forward IAD Gear	
4	1229-S-4985	1	Thrust Washer	
5	2297-E-5335	1	Snap Ring	

KIT 2541

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	1244-M-2431	1	Spacer - 9.40mm/.370 in.	For Amboid drive axle. MR-20-143
2	1244-N-2432	1	Spacer - 9.43mm/.371 in.	
3	1244-P-2434	1	Spacer - 9.45mm/.372 in.	
4	1244-Q-2435	1	Spacer - 9.48mm/.373 in.	
5	1244-R-2436	1	Spacer - 9.50mm/.374 in.	
6	1244-S-2437	1	Spacer - 9.60mm/.378 in.	
7	1244-T-2438	1	Spacer - 9.70mm/.382 in.	
8	1244-U-2439	1	Spacer - 9.80mm/.386 in.	
9	1244-V-2440	1	Spacer - 9.90mm/.390 in.	
10	1244-W-2441	1	Spacer - 10.00mm/.394 in.	
11	1244-X-2442	1	Spacer - 10.10mm/.398 in.	
12	1244-Y-2443	1	Spacer - 10.20mm/.402 in.	
13	1244-Z-2444	1	Spacer - 10.23mm/.403 in.	
14	1244-A-2445	1	Spacer - 10.25mm/.404 in.	
15	1244-B-2446	1	Spacer - 10.28mm/.405 in.	
16	1244-C-2447	1	Spacer - 10.30mm/.406 in.	

KIT 2636

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	40-X-1236	1	Lock Nut	M32 x 1.5 nut thread. Rear input, front output. 140 Series
2	1229-A-2653	1	Washer-Flat	

KIT 2637

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	40-X-1237	1	Lock Nut	M39 x 1.5 nut thread. Front input, rear input. 140 Series
2	1229-T-1736	1	Washer-Flat	

KIT 2638

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	40-X-1233	1	Lock Nut	M45 x 1.5 nut thread. Front input. 140 Series
2	1229-W-4521	1	Washer	

SERVICE KITS

KIT 2647

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
(1)	3235-T-2152	(1)	Half Flange Differential Case, Finished	Diff. case and spider update kit. For 44,000 lb. tandems without differential lock. 4.30 ratio and slower. RD-22-145, RP-22-145, RR-22-145
2	3235-U-2153	1	Plain Half Differential Spider, Finished	
3 ▶	41-X-1327	16	Special Screw	
4	1229-C-1511	16	Washer-Flat	
5	3278-Y-1117F	1	Differential Spider, Finished	

KIT 2648

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3235-T-2152	1	Half Flange Differential Case, Finished	Diff. case and spider update kit. For 44,000 lb. tandems with differential lock. 4.30 ratio and slower. RD-22-145, RP-22-145, RR-22-145
2	3235-V-2154	1	Plain Half Differential Case, Finished	
3 ▶	41-X-1327	16	Special Screw	
4	1229-C-1511	16	Washer-Flat	
5	3278-Y-1117F	1	Differential Spider, Finished	

KIT 2662

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3296-Z-1170	1	Shift Fork, Finished	Screw in air shift cage kit for post 11/93 DCDL 145 series carriers RD-17-144, RD-19-144, RD-20-145, RD-22-145, RP-17-144, RP-19-144, RP-20-145, RP-22-145, RR-17-144, RR-19-144, RR-20-145, RR-22-145, RS-17-144, RS-19-144, RS-21-145
2	3107-D-1018	1	Clutch Collar	
3	3237-W-1167	1	Switch Assembly Sensor	
4	2257-M-1235	1	Sensor/Switch Clip	
5	2258-N-1262	1	Spring	
6 ▶	5-X-521	1	O-Ring	
7	A-3261-A-1067	1	DCDL Shift Cylinder	
8 ▶	41-X-1368	1	Caging Bolt	
9	2244-Z-1222	1	Push Rod	

KIT 2664

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3235-D-2188	1	Half Flange Differential Case, Finished	Diff. case and spider update kit. For 44,000 lb. tandems with differential lock. Ratios 3.42 thru 4.11. RD-22-145, RP-22-145, RR-22-145
2	3235-V-2154	1	Plain Half Differential Case, Finished	
3 ▶	41-X-1327	16	Special Screw	
4	1229-C-1511	16	Washer-Flat	
5	3278-Y-1117F	1	Differential Spider, Finished	

KIT 2665

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3235-D-2188	1	Half Flange Differential Case, Finished	Diff. case and spider update kit. For 44,000 lb. tandems with differential lock. Ratios 3.42 thru 4.11. RD-22-145, RP-22-145, RR-22-145
2	3235-U-2153	1	Plain Half Differential Spider, Finished	
3 ▶	41-X-1327	16	Special Screw	
4	1229-C-1511	16	Washer-Flat	
5	3278-Y-1117F	1	Differential Spider, Finished	

KIT 2668

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	10-X-1594	7	Screw-Special	Carrier to housing capscrew kit. 145 Series Forward
2 ▶	10-X-1597	3	Screw-Special	
3	1229-W-1557	12	Washer-Hardened	

KIT 2686

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2244-D-1070	1	Differential Lock Out Push Rod	Navistar "reverse air" shift RD-20-145, RD-22-145, RP-20-145, RP-22-145
2	3266-Q-1161	1	Cover, Finished	

KIT 2691

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3261-A-1067	1	DCDL Shift Cylinder	Main diff. lock, screw-in shift, Services all new style screw- in type main differential lock carriers. MD-20-143, MP-20-143, RD-17-144, RD-19-144, RD-20-145, RD-22-145, RP-17-144, RP-19-144, RP-20-145, RP-22-145, RR-17-144, RR-19-144, RR-20-145, RS-17-144, RS-19-144, RS-21-145
2	2244-Z-1222	1	Push Rod	
3 ▶	41-X-1368	1	Caging Bolt	
4 ▶	5-X-521	1	O-Ring	

SERVICE KITS

KIT 2696

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2233-X-1116	4	Differential Pinion	With diff. spider (2.10"-41 spline side gear) RD-22-145, RP-22-145, RR-22-145
2	2234-X-1272	2	Differential Side Gear, Finished	
3	3278-Y-1117F	1	Differential Spider, Finished	
4	1229-V-4624	2	Thrust Washer	
5	1229-R-1032	4	Thrust Washer	

KIT 2703

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2233-X-1116	4	Differential Pinion	Less diff. spider (2.10"-41 spline side gear) RD-22-145, RP-22-145, RR-22-145
2	2234-X-1272	2	Differential Side Gear, Finished	
3	1229-V-4624	2	Thrust Washer	
4	1229-R-1032	4	Thrust Washer	

KIT 2704

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2752	1	Update Kit	Carrier and cap update kit (with diff. lock, less pump) RD-20-145, RD-22-145
2	KIT 2825	1	Shift Kit	

KIT 2705

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2754	1	Update Kit	Carrier and cap update kit (with diff. lock, with pump) RD-20-145, RP-22-145
2	KIT 2825	1	Shift Kit	

KIT 2706

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	KIT 2751	1	Update Kit	Carrier and cap update kit (less diff. lock, less pump) MD-20-143, RD-17-145, RD-20-140, RD-20-145, RD-22-145
2	KIT 2825	1	Shift Kit	

KIT 2709

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	5-X-1195	1	O-Ring	Navistar "reverse air" shift RD-17-145, RD-20-140, RD-20-145, RD-22-145, RP-20-145, RP-22-145
2	5-X-1196	1	O-Ring	
3	5-X-1197	1	O-Ring	
4	1229-P-4280	1	Snap Ring	

KIT 2730

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-L-1676	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with diff case assembly, all ratios except 3.91 and 4.10) less diff. lock RR-20-145, RR-22-145, RS-21-145
2	A8-3235-W-1843	1	Case Assy-Diff	
3	JM-716610	1	Bearing Cup	
4	JM-716649	1	Bearing Cone	
5	2214-C-1095	1	Bearing Adjuster Ring, Finished	

KIT 2743

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3235-W-2025	1	Interaxle Differential Case & Nest Assembly	Inter-axle diff., shift fork and clutch collar, old style RD-17-145, RD-20-140, RD-20-145, RD-22-145, RP-17-145, RP-20-145, RP-22-145
2	3107-M-1183	1	Clutch Collar	
3	3296-Z-1326	1	Shift Fork, Finished	

KIT 2747

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-E-1981	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with diff. lock, less pump) RD-20-145
2	KIT 2691	1	Shift Cylinder Kit	
3	2206-L-1156	1	Elbow Fitting	
4	3296-Z-1170	1	Shift Fork, Finished	
5	2258-N-1262	1	Spring	

SERVICE KITS

KIT 2750

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3261-A-1067	1	DCDL Shift Cylinder	Main diff. lock, screw-in shift, Services all new style screw- in type main differential lock carriers. MD-20-143, MP-20-143, RD-17-144, RD-19-144, RD-20-145, RD-22-145, RP-17-144, RP-19-144, RP-20-145, RP-22-145, RR-17-144, RR-19-144, RR-20-145, RS-17-144, RS-19-144, RS-21-145
(2)	2244-Z-1222	1	Push Rod	
3	2258-N-1262	1	Spring	
4 ▶	5-X-521	1	O-Ring	
5 ▶	41-X-1368	1	Caging Bolt	

KIT 2751

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-D-1980	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (less diff. lock, less pump, with thrust screw) MD-20-143, RD-17-145, RD-20-140, RD-20-145, RD-22-145
2 ▶	41-X-1371	1	Thrust Screw	
3 ▶	40-X-1016	1	Jam Nut	

KIT 2752

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-F-1982	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with diff. lock, less pump, with thrust screw) RD-22-145
2	KIT 2691	1	Shift Cylinder Kit	
3	2206-L-1156	1	Elbow Fitting	
4	3296-Z-1170	1	Shift Fork, Finished	
5	2258-N-1262	1	Spring	

KIT 2753

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-J-1986	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (less diff. lock, with pump, with thrust screw) RP-22-145
2 ▶	41-X-1371	1	Thrust Screw	
3 ▶	40-X-1016	1	Jam Nut	

KIT 2754

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-L-1988	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with diff. lock, with pump, with thrust screw) MP-20-143, RP-20-145, RP-22-145
2	KIT 2691	1	Shift Cylinder Kit	
3	2206-L-1156	1	Elbow Fitting	
4	3296-Z-1170	1	Shift Fork, Finished	
5	2258-N-1262	1	Spring	

KIT 2755

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-F-1904	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with diff. lock, with thrust screw) RR-20-145, RR-22-145, RS-21-145
2	KIT 2691	1	Shift Cylinder Kit	
3	2206-L-1156	1	Elbow Fitting	
4	3296-Z-1170	1	Shift Fork, Finished	
5	2258-N-1262	1	Spring	
6 ▶	40-X-1016	1	Jam Nut	
7 ▶	41-X-1371	1	Thrust Screw	

KIT 2756

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A2-3200-A-1873	1	Differential Carrier and Cap Assembly	Carrier and cap update kit (with thrust screw) RR-17-145, RR-20-140, RR-20-145, RR-22-145, RS-16-141, RS-17-141, RS-19-145, RS-21-145
2 ▶	41-X-1371	1	Thrust Screw	
3 ▶	40-X-1016	1	Jam Nut	

KIT 2758

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	2234-V-1270	1	Differential Side Gear, Finished	Side gear and washer kit (2"-39 spline side gear) RD-17-145, RP-17-145, RR-17-145, RS-16-140, RS-16-141, RS-17-140, RS-17-141, RS-19-145
(2)	1229-V-4624	1	Thrust Washer	

SERVICE KITS

KIT 2759

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2234-U-1269**	1	Differential Side Gear, Finished	Side gear and washer kit (2.1"-41 spline side gear) RD-20-140, RD-20-145, RP-20-145, RR-20-140, RR-20-145, RS-21-145
(2)	**1229-V-4624**	1	Thrust Washer	

KIT 2760

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2234-X-1272**	1	Differential Side Gear, Finished	Side gear and washer kit (2.1"-41 spline side gear) RD-22-145, RP-22-145, RR-22-145
2	**1229-V-4624**	1	Thrust Washer	

KIT 2761

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**1229-G-1021**	1	Washer-Flat	RD-17-145, RP-17-145, RR-17-145, RS-16-140, RS-16-141, RS-17-140, RS-17-141, RS-17-145, RS-19-145
2	**1229-J-4638**	1	Washer-Lock	

KIT 2819

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**1229-D-4632**	16	Washer-Hardened	Diff case capscrew kit. 145 Series
2	**2297-F-6324**	1	Loctite	
3	**41-X-1327**	16	Special Screw	

KIT 2824

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2244-Z-1222**	1	Push Rod	Main Differential Kit 140 Series
2	**A-3261-A-1067**	1	DCDL Shift Cylinder	

KIT 2825

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**2244-Y-1221**	1	Push Rod	I.A.D. shift cylinder kit. 145 Series
2	**A4-3261-Q-1057**	1	IAD Shift Cylinder Assembly	

KIT 2833

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**A1-1205-X-2728**	1	Oil Seal Assembly	Converts 145 series pump version 2"-39 input shaft to 2.35"-46 spline version. 145 Series
2	**A1-3297-T-1346**	1	Input Shaft Assembly	
3	**A-3226-D-1226**	1	Bearing Cage Assembly	
4	**JM-511945**	1	Bearing Cone	

KIT 2834

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**A1-1205-X-2728**	1	Oil Seal Assembly	Converts 145 series less pump version 2"-39 input shaft to 2.35"-46 spline version. 145 Series
2	**A-3226-V-1296**	1	Bearing Cage Assembly	
3	**A-3297-U-1347**	1	Input Shaft Assembly	
4	**JM-511945**	1	Bearing Cone	

KIT 2835

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**A-3303-P-1030**	1	Oil Pump Assembly	Pump update kit MP-20-143, RP-17-145, RP-20-145, RP-22-145
2	**KIT 2833**	1	Input Shaft Conv. Kit	

KIT 4007

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**1229-S-4985**	1	Thrust Washer	Helical drive gear and thrust washer, replacing 3892-R-4932. 145 Series Forward
(2)	**3892-S-5843**	1	Forward IAD Gear	

SERVICE KITS

KIT 4284

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	41-X-1637	2	Capscrew	Lock pin kit
2	1199-R-2176	2	Cotter Pin	145 Series
3	1246-P-1134	1	Spirol Pin	

KIT 4345

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	JM-716610	1	Bearing Cup	RS-16-140, RS-17-140
2	1228-L-1130	1	Bearing Cup	
3 ▶	55200C	1	Bearing Cone	
4	M804049	1	Bearing Cone	
5	1228-F-552	1	Spigot Bearing	
6 ▶	JM-716649	1	Bearing Cone	
7	A-1228-L-1130	1	Bearing Cone	
8 ▶	55437	1	Bearing Cup	
9	M804010	1	Bearing Cup	
10	A-1205-D-1928	1	Seal Assy	

KIT 4350

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	M804010	1	Bearing Cup	RS-16-140, RS-17-140
2	M804049	1	Bearing Cone	
3 ▶	55437	1	Bearing Cup	
4 ▶	55200C	1	Bearing Cone	
5	1228-F-552	1	Spigot Bearing	
6 ▶	JM-716610	2	Bearing Cup	
7 ▶	JM-716649	2	Bearing Cone	
8	A-1205-D-1928	1	Seal Assy	

KIT 4356

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	H715311	1	Bearing Cup	New Style Thru-Shaft
2 ▶	72487	1	Bearing Cup	RD-20-140
3 ▶	JLM-710910	1	Bearing Cup	
4	H715334	1	Bearing Cone	
5 ▶	72212C	1	Bearing Cone	
6 ▶	LM-603011	2	Bearing Cup	
7 ▶	JM-716610	2	Bearing Cup	
8 ▶	JLM-710949C	1	Bearing Cone	
9	3920	1	Bearing Cup	
10	A1-1205-X-2728	1	Oil Seal Assembly	
11	A-1205-G-2425	1	Seal Assembly	
12 ▶	5-X-1034	1	O-Ring	
13 ▶	JM-511945	1	Bearing Cone	
14 ▶	LM-603049	2	Bearing Cone	
15 ▶	JM-716649	2	Bearing Cone	
16 ▶	5-X-1343	1	O-Ring	

KIT 4385

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	72212C	1	Bearing Cone	RR-20-145, RR-22-145, RS-21-145
2 ▶	55206C	1	Bearing Cone	
3	A1-1228-H-606	2	Tapered Bearing Assembly	
4 ▶	72487	1	Bearing Cup	
5 ▶	55437	1	Bearing Cup	
6	1228-F-552	1	Spigot Bearing	
(7)	A1-1205-Z-2730	(1)	Oil Seal Assembly	

SERVICE KITS

KIT 4390

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	JM-716649	1	Bearing Cone	RR-17-144, RR-19-144, RR-20-145, RR-22-145, RS-17-144, RS-19-144, RS-21-145
2	A-1228-L-1130	1	Bearing Cone	
3	JM-716610	1	Bearing Cup	
4	1228-L-1130	1	Bearing Cup	
5	72487	1	Bearing Cup	
6	55437	1	Bearing Cup	
7	72212C	1	Bearing Cone	
8	55206C	1	Bearing Cone	
9	1228-F-552	1	Spigot Bearing	
10	A1-1205-Z-2730	1	Oil Seal Assembly	

KIT 4395

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	H715311	1	Bearing Cup	Pre 11/93 RD-17-145, RD-20-145, RD-22-145, RP-17-145, RP-20-145, RP-22-145
2	72487	1	Bearing Cup	
3	JLM-710910	1	Bearing Cup	
4	H715334	1	Bearing Cone	
5	72212C	1	Bearing Cone	
6	JLM-104910	2	Bearing Cup	
7	JM-716610	2	Bearing Cup	
8	JLM-710949C	1	Bearing Cone	
9	JM511910	1	Bearing Cup	
10	R945008	2	Oil Seal Assembly	
11	5-X-1034	1	O-Ring	
12	5-X-1343	1	O-Ring	
13	JM-511946	1	Bearing Cone	
14	3920	1	Bearing Cup	
15	LM-104949	2	Bearing Cone	
16	JM-716649	2	Bearing Cone	

KIT 4396

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	H715311	1	Bearing Cup	Forward Axles less diff. lock, with new input and thru shaft MD-20-143, MP-20-143, RD-17-144, RD-17-145, RD-19-144, RD-20-145, RD-22-145, RP-17-144, RP-17-145, RP-19-144, RP-20-145, RP-22-145
2	72487	1	Bearing Cup	
3	JLM-710910	1	Bearing Cup	
4	H715334	1	Bearing Cone	
5	72212C	1	Bearing Cone	
6	JLM-104910	2	Bearing Cup	
7	JM-716610	2	Bearing Cup	
8	JLM-710949C	1	Bearing Cone	
9	3920	1	Bearing Cup	
10	A1-1205-Y-2729	1	Oil Seal Assembly	
11	A1-1205-X-2728	1	Oil Seal Assembly	
12	5-X-1034	1	O-Ring	
13	5-X-1343	1	O-Ring	
14	JM-511945	1	Bearing Cone	
15	LM-104949	1	Bearing Cone	
16	JM-716649	1	Bearing Cone	

KIT 4400

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	72487	1	Bearing Cup	RR-17-144, RR-17-145, RR-19-144, RR-20-140, RR-20-145, RR-22-145, RS-16-141, RS-17-141, RS-17-144, RS-19-144, RS-19-145, RS-21-145
2	72212C	1	Bearing Cone	
3	55437	1	Bearing Cup	
4	55206C	1	Bearing Cone	
5	1228-F-552	1	Spigot Bearing	
6	JM-716610	2	Bearing Cup	
7	JM-716649	2	Bearing Cone	
8	A1-1205-Z-2730	1	Oil Seal Assembly	

SERVICE KITS

KIT 4406

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	72487	1	Bearing Cup	Forward Axles with diff. lock, with new input and thru shaft MD-20-143, MP-20-143, RD-17-144, RD-19-144, RD-20-145, RD-22-145, RP-17-144, RP-19-144, RP-20-145, RP-22-145
2	72212C	1	Bearing Cone	
3	H715311	1	Bearing Cup	
4	H715334	1	Bearing Cone	
5	3920	1	Bearing Cup	
6 ▶	JM-511945	1	Bearing Cone	
7 ▶	JLM-710910	1	Bearing Cup	
8 ▶	JLM-710949C	1	Bearing Cone	
9	1228-L-1130	1	Bearing Cup	
10	A-1228-L-1130	1	Bearing Cone	
11 ▶	JM-716610	1	Bearing Cup	
12 ▶	JM-716649	1	Bearing Cone	
13 ▶	JLM-104910	1	Bearing Cup	
14 ▶	LM-104949	1	Bearing Cone	
15	A1-1205-Y-2729	1	Oil Seal Assembly	
16	A1-1205-X-2728	1	Oil Seal Assembly	
17 ▶	5-X-1034	1	O-Ring	
18 ▶	5-X-1343	1	O-Ring	

KIT 4455

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	3237-W-1167	1	Switch Assembly Sensor	With diff. lock 140 Series
2	2257-M-1235	1	Sensor/Switch Clip	

KIT 4461

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	72487	1	Bearing Cup	For Amboid drive axle. MR-20-143
2 ▶	72225C	1	Bearing Cone	
3	H715311	1	Bearing Cup	
4	H715334	1	Bearing Cone	
5 ▶	JM-716610	2	Bearing Cup	
6 ▶	JM-716649	2	Bearing Cone	
7	A1-1205-Z-2730	1	Oil Seal Assembly	

KIT 4766

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1 ▶	10-X-1710	1	Thrust Screw	Thrust screw and block kit for 3200-W-2051 amboid carrier. MR-20-143M, MS-21-143M
2	2297-P-8336	1	Thrust Block	

MPS 3344 145

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	A-3297-U-1347	1	Input Shaft Assembly	Input shaft/IAD update kit for 2.38"-46 spline, less pump version. 145 Series
2	1229-S-4985	1	Thrust Washer	
3	3892-S-5843	1	Forward IAD Gear	
4	A-3235-W-2025	1	Interaxle Differential Case & Nest Assembly	
5	2297-E-5335	1	Snap Ring	
6	2234-R-1188	1	Differential Side Gear, Finished	
7	A1-1205-X-2728	1	Oil Seal Assembly	
8	2203-K-9241	1	Shim - .076mm/.003 in.	
9	2203-L-9242	1	Shim - .127mm/.005 in.	
10	2203-M-9243	1	Shim - .254mm/.010 in.	

SERVICE KITS

MPS 3345 145

ITEM	PART NUMBER	QTY.	DESCRIPTION	REMARKS
1	**A1-3297-T-1346**	1	Input Shaft Assembly	Input shaft/IAD update kit for 2.38"-46 spline, for pump version. 145 Series
2	**1229-S-4985**	1	Thrust Washer	
3	**3892-S-5843**	1	Forward IAD Gear	
4	**A-3235-W-2025**	1	Interaxle Differential Case & Nest Assembly	
5	**2297-E-5335**	1	Snap Ring	
6	**2234-R-1188**	1	Differential Side Gear, Finished	
7	**A1-1205-X-2728**	1	Oil Seal Assembly	
8	**2203-K-9241**	1	Shim - .076mm/.003 in.	
9	**2203-L-9242**	1	Shim - .127mm/.005 in.	
10	**2203-M-9243**	1	Shim - .254mm/.010 in.	

NOTES

NUMERICAL PARTS LISTING

PART NUMBER	PAGE
5-X-521	8,18
5-X-1034	4
5-X-1153	8,18
5-X-1195	5
5-X-1196	5
5-X-1197	5
5-X-1198	8,18
10-X-1594	21
10-X-1597	21
10-X-1710	13
15-X-387	20
40-X-1016	6,13
40-X-1145	6
40-X-1182	8,14
40-X-1233	4,6
40-X-1236	11,20
40-X-1237	4,11,20
41-X-1022	8,19
41-X-1043	11
41-X-1080	5,18
41-X-1208	4
41-X-1209	5
41-X-1216	8,14
41-X-1327	7,18
41-X-1330	18
41-X-1333	8,18
41-X-1359	19
41-X-1364	9,19
41-X-1365	8,13
41-X-1368	8,18
41-X-1371	6,13
42-X-1021	8,13
42-X-1248	9,19
43-X-1006	8,18
43-X-1007	9,18
1199-R-2176	8,13
A-1205-W-1349	21
A-1205-D-1928	11
A-1205-G-2425	20
A-1205-Q-2487	21
1220-K-89	18
1227-R-330	21
1227-W-517	21
1227-Z-1040	21
1227-E-1045	21
1227-P-1056	8,19
1228-F-552	13
A1-1228-H-606	14
1228-L-1130	6,14
A-1228-L-1130	7,14
1229-L-1026	18
1229-R-1032	8,18
1229-W-1245	5
1229-A-1301	13
1229-U-1503	8,14
1229-C-1511	4,11
1229-W-1557	21
1229-K-1597	4,6
1229-T-1606	4
1229-E-1669	4,9,21
1229-N-1730	4
1229-T-1736	4,11,20
1229-A-2237	20
1229-B-2238	20
1229-C-2239	20
1229-D-2240	20
1229-E-2241	20
1229-F-2242	20
1229-G-2243	20
1229-H-2244	20
1229-J-2246	20
1229-K-2247	20
1229-P-2590	20
1229-Q-2591	20
1229-R-2592	20
1229-T-2594	20
1229-U-2595	20
1229-V-2596	20
1229-W-2597	20
1229-X-2598	20
1229-Y-2599	20
1229-A-2653	11,20
1229-S-2593	20
1229-Z-3172	17
1229-F-4062	9
1229-G-4063	6
1229-W-4131	20
1229-P-4280	4
1229-B-4422	9,19
1229-H-4428	9,19
1229-U-4519	9,19
1229-W-4521	6
1229-X-4522	8,17
1229-V-4624	8,17
1229-D-4632	7,18
1229-F-4634S	21
1244-V-1764	6
1244-F-2346	12
1244-V-2440	11
1244-M-2431	11
1244-N-2432	11
1244-P-2434	11
1244-Q-2435	11
1244-R-2436	11
1244-S-2437	11
1244-T-2438	11
1244-U-2439	11
1244-W-2441	11
1244-X-2442	11
1244-Y-2443	11
1244-Z-2444	11
1244-A-2445	11
1244-B-2446	11
1244-C-2447	11
1246-M-1131	9
1246-P-1134	8
1250-E-473	21
1250-N-1080	9
1250-U-1217	8
1250-L-1286	21
2203-F-2788	6,11
2203-G-2789	6,11
2203-H-2790	6,11
2203-C-8115	11
2203-D-8116	11
2203-E-8117	11
2203-K-9241	4
2203-L-9242	4
2203-M-9243	4
2203-J-9474	11
2203-K-9475	11
2203-L-9476	11
2203-M-9477	11
2203-N-9478	11
2203-P-9480	11
2203-Q-9481	11
2203-R-9482	11
2203-S-9483	11
2203-T-9484	11
2203-U-9485	11
2203-V-9486	12
2203-W-9487	12
2203-X-9488	12
2203-Y-9489	12
2203-Z-9490	12
2203-A-9491	12
2203-B-9492	12
2203-C-9493	12
2203-D-9494	12
2203-E-9495	12
2203-F-9496	12
2203-B-9804	11
2203-D-9806	6
2203-E-9807	6
2203-F-9808	6
2203-G-9809	6

NUMERICAL PARTS LISTING

PART NUMBER	PAGE
2203-H-9810	6
2203-J-9812	6
2203-K-9813	6
2203-L-9814	6
2203-M-9815	6
2203-N-9816	6
2203-P-9818	6
2203-Q-9819	6
2203-R-9820	6
2203-S-9821	6
2203-T-9822	6
2203-U-9823	6
2208-P-536	21
2208-H-944	8,18
2208-L-1000	9,19
2208-R-1058	5
2214-L-272	13
2214-Y-1039	6,13
2214-C-1095	6,13
2214-U-1139	13
2230-N-170	8,18
2230-D-1096	5
2230-T-1190	8,18
2233-J-1024	8,18
2233-M-1027	18
2233-U-1035	4
2233-X-1116	8,18
2234-T-1086	17
2234-R-1188	4
2234-U-1269	8,17
2234-V-1270	8,17
2234-X-1272	8,17
2244-Z-52	18
2244-K-1025	4
2244-L-1026	8,18
2244-D-1070	4
2257-M-1235	8,19
2258-U-411	4
2258-L-714	8,18
2258-Z-1118	9
2258-E-1175	4
2258-U-1243	9,19
2258-N-1262	8,18
2297-T-4180	14
2297-U-5273	9
2297-Z-5278	9
A-2297-D-5334	9
2297-E-5335	4
2297-A-7021	20,21
2297-C-7049	18
2297-P-8336	13
2803-Q-2851	11
2803-R-2852	11
2803-S-2853	11
2803-T-2854	11
3107-R-1006	18
3107-D-1018	9,18
3107-M-1183	4
3196-F-32	8,18
A2-3200-R-1500	13
A2-3200-G-1645	5
A2-3200-X-1662	5
A2-3200-L-1676	13
A2-3200-G-1853	5
A2-3200-C-1849	13
A2-3200-D-1850	13
A2-3200-E-1851	13
A2-3200-F-1852	5
A2-3200-S-1865	13
A2-3200-A-1873	13
A2-3200-G-1879	13
A2-3200-M-1885	13
A2-3200-D-1902	5
A2-3200-E-1903	5
A2-3200-F-1904	13
A2-3200-P-1914	5
A2-3200-S-1917	5
A2-3200-Z-1924	13
A2-3200-B-1978	5
A2-3200-C-1979	5
A2-3200-D-1980	5
A2-3200-E-1981	5
A2-3200-F-1982	5
A2-3200-H-1984	5
A2-3200-J-1986	5
A2-3200-K-1987	5
A2-3200-L-1988	5
A2-3200-W-2051	13
3202-S-9041	26
3202-T-9042	26
3202-U-9043	26
3202-X-9046	26
3202-Y-9047	26
3202-B-9050	26
3202-C-9051	26
3202-Q-9117	26
3202-R-9118	26
3202-S-9119	26
3202-Y-9281	26
3202-F-9340	26
3202-G-9341	26
3202-H-9342	26
3202-W-9461	26
3202-Y-9463	26
3202-S-9483	26
3202-T-9484	26
3202-U-9485	26
3202-X-9488	26
3202-C-9597	26
3202-E-9599	26
3202-G-9601	26
3202-J-9604	26
3202-N-9608	26
3202-Q-9611	26
3202-S-9613	26
3202-U-9615	26
3202-W-9617	26
3202-Y-9619	26
3202-R-9638	26
3202-Q-9845	26
3202-S-9847	26
3206-Q-1343	26
3206-S-1345	26
3206-T-1346	26
3206-U-1347	26
3206-W-1349	26
3206-Y-1351	26
3206-Z-1352	26
3206-A-1353	26
3206-C-1563	26
3206-C-1823	26
3206-D-1824	26
3206-M-1885	26
3206-P-1888	26
3216-Q-4359	9,19
3216-S-4361	9,19
3221-P-1004	4
A-3226-M-1053	11
A-3226-P-1056	11
A-3226-T-1112	20
A-3226-Z-1222	4
A-3226-B-1224	4
A-3226-D-1226	4
A-3226-N-1236	11
A-3226-V-1296	4
A-3230-T-1034	8,18
A-3230-U-1035	8,18
A-3230-V-1036	18
A4-3235-C-1719	16
A6-3235-C-1719	14
A12-3235-C-1719	16
A13-3235-C-1719	14
A6-3235-E-1721	16
A8-3235-E-1721	14
A14-3235-E-1721	16
A15-3235-E-1721	14

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NUMERICAL PARTS LISTING

PART NUMBER	PAGE
A2-3235-Y-1741	14
A3-3235-Y-1741	16
A-3235-S-1839	14
A1-3235-S-1839	15
A2-3235-S-1839	7,14
A3-3235-S-1839	7,15
A8-3235-S-1839	7,14
A9-3235-S-1839	7,15
A10-3235-S-1839	7
A11-3235-S-1839	7,17
A12-3235-S-1839	7,17
A-3235-U-1841	14
A1-3235-U-1841	16
A2-3235-U-1841	7,14
A3-3235-U-1841	7,15
A8-3235-U-1841	7,14
A9-3235-U-1841	7,15
A10-3235-U-1841	7
A11-3235-U-1841	7,17
A12-3235-U-1841	7,16
A-3235-W-1843	14
A1-3235-W-1843	16
A2-3235-W-1843	7,14
A3-3235-W-1843	7,15
A8-3235-W-1843	7,14
A9-3235-W-1843	7,15
A10-3235-W-1843	7,15
A11-3235-W-1843	7,16
A12-3235-W-1843	7,16
A2-3235-V-1920	7,14
A3-3235-V-1920	7,15
A8-3235-V-1920	7,14
A9-3235-V-1920	7,15
A10-3235-V-1920	7
A11-3235-V-1920	7,17
A12-3235-V-1920	7,17
A18-3235-V-1920	16
A-3235-N-1938	14
A1-3235-N-1938	16
A-3235-Q-1941	14
A1-3235-Q-1941	16
A-3235-W-2025	4
A4-3235-T-2152	8,17
A10-3235-T-2152	7
A11-3235-T-2152	7,15
A2-3235-J-2168	7,15
A3-3235-J-2168	7,15
A4-3235-J-2168	7,17
A5-3235-J-2168	7,17
A1-3235-K-2169	15
A2-3235-K-2169	17
A2-3235-L-2170	7,14

PART NUMBER	PAGE
A3-3235-L-2170	7,14
A4-3235-L-2170	7,17
A5-3235-L-2170	7,17
A2-3235-M-2171	7,14
A3-3235-M-2171	7,14
A4-3235-M-2171	7,17
A5-3235-M-2171	7,17
A2-3235-N-2172	14
A3-3235-N-2172	14
A6-3235-N-2172	17
A7-3235-N-2172	17
A-3235-D-2188	14
A2-3235-D-2188	14
A4-3235-D-2188	7,17
A10-3235-D-2188	7
A11-3235-D-2188	7,15
A2-3235-Y-2261	17
A-3235-N-2380	4
A2-3235-N-2380	4
3237-W-1167	8,19
A-3261-L-350	4
3261-A-1067	8,18
3261-R-1084	5
3266-M-897	18
3266-C-1095	6
3266-F-1020	8,18
3266-Q-1161	5
3278-D-82	18
3278-S-305	8,18
3278-Y-1117F	8,18
3278-A-1119	4
3280-V-8394	9
3280-Z-8398	9
SA1-3280-U-8861	9,19
3296-F-188	18
3296-W-1167	9,18
3296-Z-1170	9,18
3297-E-1019	20
3297-N-1158	20
A-3297-T-1346	4
A-3297-U-1347	4
A-3303-P-1030	9
3892-N-4902	6
572	21
580	21
592A	21
594A	21
3920	4
39520	21
39590	21
47620	21
47686	21

PART NUMBER	PAGE
55200C	12
55206C	11
▶ 55437	11,12
▶ 72212C	6,12
72225C	11
▶ 72487	6,11,12
141DYS28A	29
148DYS28A	29
148TYS32-4A	29
155DYS28-1A	29
155DYS32-6	29
155DYS32-6A	29
155NYS28-5A	29
155TYS32-2A	29
155TYS32-6A	29
16N-4-5621X	27
16N-4-6251	27
16N-4-6261	27
16N-4-6271-1	29
16N-4-6281X	27
16N-4-6291X	27
16N-4-6431-1X	29
16N-4-7341-1X	29
16NYS38-8A	27
16TYS28-13A	29
16TYS32-32A	29
16TYS32-76	29
16TYS32-76A	29
16TYS32-86A	29
170TYS32-2	29
170TYS32-2A	29
170TYS38-4A	29
176N-4-531	27
176N-4-541-1X	29
176N-4-541X	27
176NYS32-3A2	27
176NYS38-14A	27
176TYS32-3A1	29
176TYS38-27A	29
17N-4-6321	27
17N-4-6331	27
17N-4-6391X	27
17N-4-6411X	27
17N-4-7181X	27
17N-4-7631-1X	29
17N-4-7641-1X	29
17NYS28-43A	27
17NYS32-100	27
17NYS32-100A	27
17NYS32-99	27
17NYS32-99A	27
17TYS28-57A	29

NUMERICAL PARTS LISTING

PART NUMBER	PAGE
KIT 2321	40
KIT 2322	40
KIT 2389	41
KIT 2396	41
KIT 2405	41
KIT 2413	41
KIT 2420	42
KIT 2429	42
KIT 2431	42
KIT 2445	42
KIT 2446	42
KIT 2482	43
KIT 2488	43
KIT 2511	43
KIT 2512	43
KIT 2522	43
KIT 2541	43
KIT 2636	43
KIT 2637	43
KIT 2638	43
KIT 2647	44
KIT 2648	44
KIT 2662	44
KIT 2664	44
KIT 2665	44
KIT 2668	44
KIT 2686	44
KIT 2691	44
KIT 2696	45
KIT 2703	45
KIT 2704	45
KIT 2705	45
KIT 2706	45
KIT 2709	45
KIT 2730	45
KIT 2743	45
KIT 2747	45
KIT 2750	46
KIT 2751	46
KIT 2752	46
KIT 2753	46
KIT 2754	46
KIT 2755	46
KIT 2756	46
KIT 2758	46
KIT 2759	47
KIT 2760	47
KIT 2761	47
KIT 2819	47
KIT 2824	47
KIT 2825	47
KIT 2833	47
KIT 2834	47
KIT 2835	47
KIT 4007	47
KIT 4284	48
KIT 4345	48
KIT 4350	48
KIT 4356	48
KIT 4385	48
KIT 4390	49
KIT 4395	49
KIT 4396	49
KIT 4400	49
KIT 4406	50
KIT 4455	50
KIT 4461	50
KIT 4766	50
KIT RD20140NL	38
KIT RD20145DL	38
KIT RD20145NL	38
KIT RR22145 1873	38
KIT RS145 1500	38
KIT RS145 1547	38
KIT RS145 1676	39
KIT RS17140	39
LM-104949	20
LM-603011	20
LM-603049	20
M804010	11
M804049	11
MN-312-1	4
MPS 3344 145	50
MPS 3345 145	51
MS-206060-1	5
MS-208016-1	4
MS-208020-1	18
MS-208045-1	9
MS-210016-1	8,19
MS-210020-1	6
MS-210030-1	6
MS210045A-1	4
MS-212045-1	4,11
MS-220120-1	8,13
MWA-506	5,9
MWA-508	19
N-110-1	21
P-28-S	21
P-212	21
RV-71016	8,14
S-258-2	21
S-21016-2	21
S-21020A-2	21

PART NUMBER	PAGE

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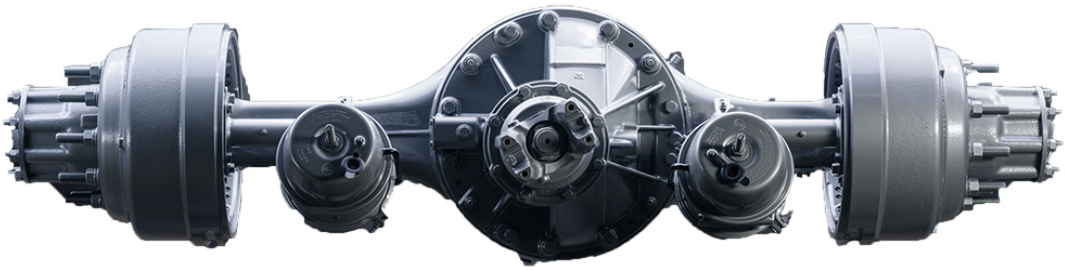

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