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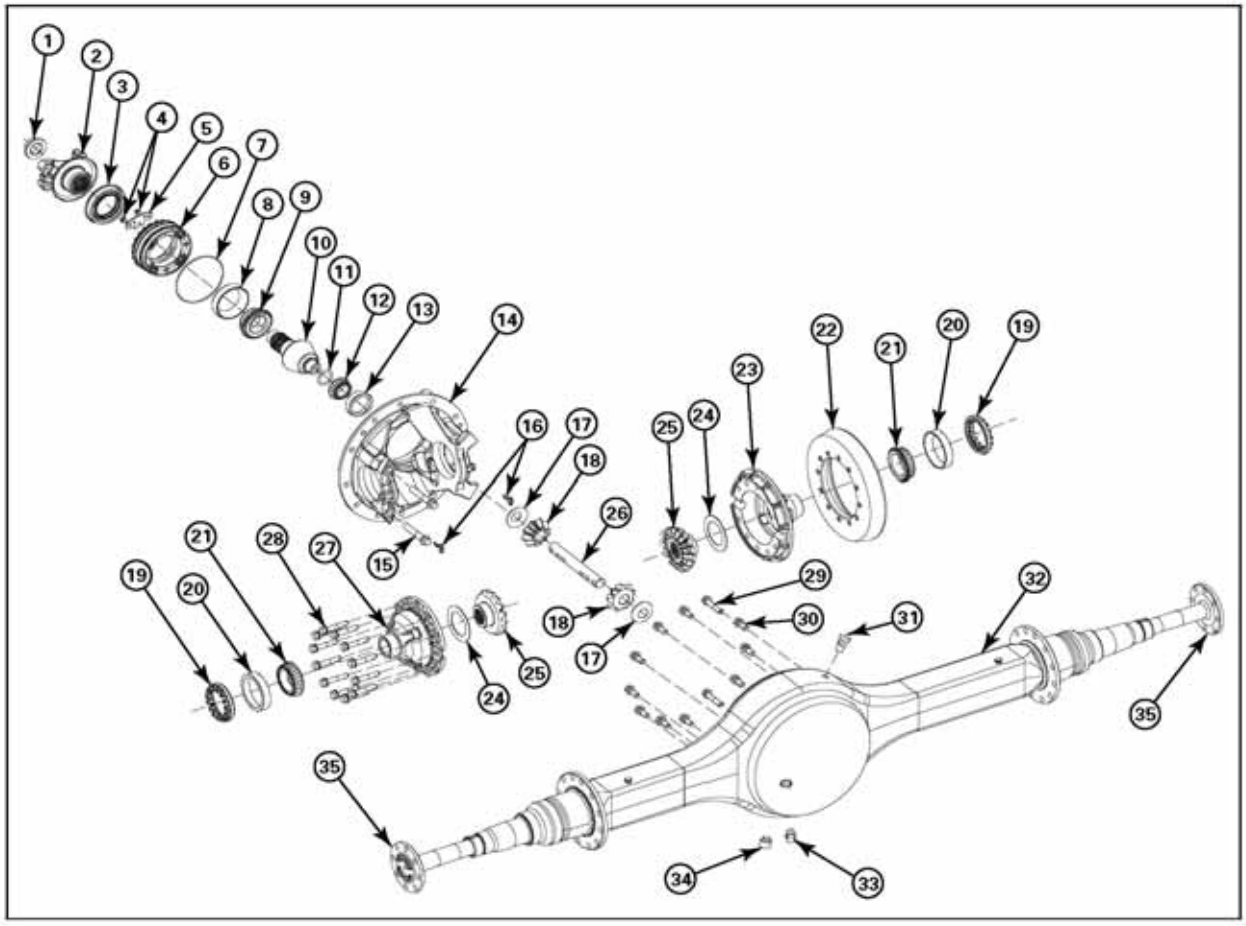
MERITOR
an ArvinMeritor brand

MS-113 Medium Duty Single Reduction Axle

10,000/11,000/12,000 lb. GAWR



Item	Part No.	Description	Comments	Qty.
1	**1227-Q-1291**	Nut - Lock Pinion		1
2	**155TYS28-49A**	Yoke & Deflector Assy.	155 Series	1
	A-3260-Z-1872	Yoke & Deflector Assy.	148 Series	1
NA	**2297-R-6934**	Deflector		1
NA	**2297-S-6935**	Adhesive		---
3	**A-1205-D-1928**	Seal Assy - Oil		1
4	**41-X-1464**	Screw		2
5	**1220-Y-1039**	Lock		1
6	**A-3226-G-1073**	Cage Assy - Pinion		1
7	**5-X-1304**	O-Ring		1
8	**HM803110**	Cup - Bearing		1
9	**HM803149**	Cone - Bearing, Outer		1

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Item	Part No.	Description	Comments	Qty.
10, 22	**A-40484-1 3.07**	Gear and Pinion Assy	1.79"-34 teeth	1 as reqd.
	A-40486-1 3.15	(Includes 1227-Q-1291 nut)		
	A-40488-1 3.31			
	A-40490-1 3.42			
	A-40492-1 3.58			
	A-40494-1 3.73			
	A-40496-1 3.91			
	A-41896-1 4.10			
	A-41898-1 4.30			
	A-41900-1 4.56			
	A-41902-1 4.78			
	A-40482-1 5.13			
	A-41904-1 5.38			
	A-41906-1 5.86			
	A-41908-1 6.14			
11	**2803-A-3225**	Shim (1.000 mm thick)	Available in KIT 2578	as reqd.
	2803-B-3226	Shim (1.040 mm thick)		
	2803-C-3227	Shim (1.080 mm thick)		
	2803-D-3228	Shim (1.120 mm thick)		
	2803-E-3229	Shim (1.160 mm thick)		
	2803-F-3230	Shim (1.200 mm thick)		
	2803-G-3231	Shim (1.240 mm thick)		
	2803-H-3232	Shim (1.280 mm thick)		
	2803-J-3234	Shim (1.320 mm thick)		
	2803-K-3235	Shim (1.360 mm thick)		
	2803-L-3236	Shim (1.400 mm thick)		
	2803-M-3237	Shim (1.440 mm thick)		
	2803-N-3238	Shim (1.480 mm thick)		
	2803-P-3240	Shim (1.520 mm thick)		
12	**M86649**	Cone - Bearing, Inner		1
13	**M86610**	Cup - Bearing, Inner		1
14	**A2-3200-B-1588** (1)	Carrier - Diff & Cap Assy		1
	A2-3200-M-2067 (2)	Carrier - Diff & Cap Assy	Parking Brake Ready	1
15	**41-X-1466**	Bolt / Capscrew		2
16	**2297-Q-6933**	Cotter		2
17	**1229-L-1026**	Washer - Thrust, Fin		2
18	**2233-U-1191**	Pinion - Diff, Fin		2
19	**2214-S-1059**	Ring - Bearing Adj, Fin		2
20	**28622**	Cup - Bearing		2
21	**28682**	Cone - Bearing		2
23	**3235-L-2222**	Case - Flange Half (RH)	Use A-3235-L-2222 (all ratios)	1
24	**1229-M-4875**	Washer - Thrust, Semi-Fin		2
25	**2234-Z-1170**	Gear - Diff Side, Fin	1.6"-37 teeth	2
26	**3198-F-1020**	Shaft - Pinion, Fin		1
27	**3235-J-2220**	Case - Plain Half (LH)	Use A-3235-L-2222 (all ratios)	1
28	**41-X-1465**	Capscrew		12
29	**41-X-1703**	Capscrew - Carrier to Housing (Long)		2
30	**41-X-1704**	Capscrew - Carrier to Housing (Short)		10
31	**A-1199-P-1394**	Breather		1
32	**As specified**	Housing Assy (See Page 4)		1
33	**1250-E-473**	Plug - Magnetic (Fill & Level)		1
34	**1250-E-473**	Plug - Magnetic (Drain)		1
35	**As specified**	Axle Shafts (See Page 4)		2

(1) Complete new carrier assembly (less yoke, std. nest) is A1-3200-B-1588 plus ratio.

(2) Complete new carrier assembly (less yoke, std. nest) for Parking Brake ready is A1-3200-M-2067 plus ratio.

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A-3235-L-2222 — Diff. Case Assy. (Less Nest)

Item No.	Part No.	Qty.	Description
23	**3235-L-2222**	1	Case-Flange Half (RH)
27	**3235-J-2220**	1	Case-Plain Half (LH)
28	**41-X-1465**	12	Capscrew

A1-3235-L-2222 — Diff. Case Assy. (With Nest)

Item No.	Part No.	Qty.	Description
17	**1229-L-1026**	2	Pinion Thrust Washer
18	**2233-U-1191**	2	Pinion
23	**3235-L-2222**	1	Case-Flange Half (RH)
24	**1229-M-4875**	2	Side Gear Thrust Washer
25	**2234-Z-1170**	2	Side Gear
26	**3198-F-1020**	1	Pinion Shaft
27	**3235-J-2220**	1	Case-Plain Half (LH)
28	**41-X-1465**	12	Capscrew

KIT 2578 — Shim Kit

Item No.	Part No.	Qty.	Description
11	**2803-A-3225**	1	Shim (1.000 mm thick)
	2803-B-3226	1	Shim (1.040 mm thick)
	2803-C-3227	1	Shim (1.080 mm thick)
	2803-D-3228	1	Shim (1.120 mm thick)
	2803-E-3229	1	Shim (1.160 mm thick)
	2803-F-3230	1	Shim (1.200 mm thick)
	2803-G-3231	1	Shim (1.240 mm thick)
	2803-H-3232	1	Shim (1.280 mm thick)
	2803-J-3234	1	Shim (1.320 mm thick)
	2803-K-3235	1	Shim (1.360 mm thick)
	2803-L-3236	1	Shim (1.400 mm thick)
	2803-M-3237	1	Shim (1.440 mm thick)
	2803-N-3238	1	Shim (1.480 mm thick)
	2803-P-3240	1	Shim (1.520 mm thick)

KIT 2579 — Diff. Nest Kit

Item No.	Part No.	Qty.	Description
17	**1229-L-1026**	2	Pinion Thrust Washer
18	**2233-U-1191**	2	Pinion
24	**1229-M-4875**	2	Side Gear Thrust Washer
25	**2234-Z-1170**	2	Side Gear
26	**3198-F-1020**	1	Pinion Shaft

KIT 4753 — Bearing and Seal Kit

Item No.	Part No.	Qty.	Description
3	**A-1205-D-1928**	1	Input Pinion Seal
8	**HM803110**	1	Outer Pinion Bearing Cup
9	**HM803149**	1	Outer Pinion Bearing Cone
12	**M86649**	1	Inner Pinion Bearing Cone
13	**M86610**	1	Inner Pinion Bearing Cup
20	**28622**	2	Differential Bearing Cup
21	**28682**	2	Differential Bearing Cone

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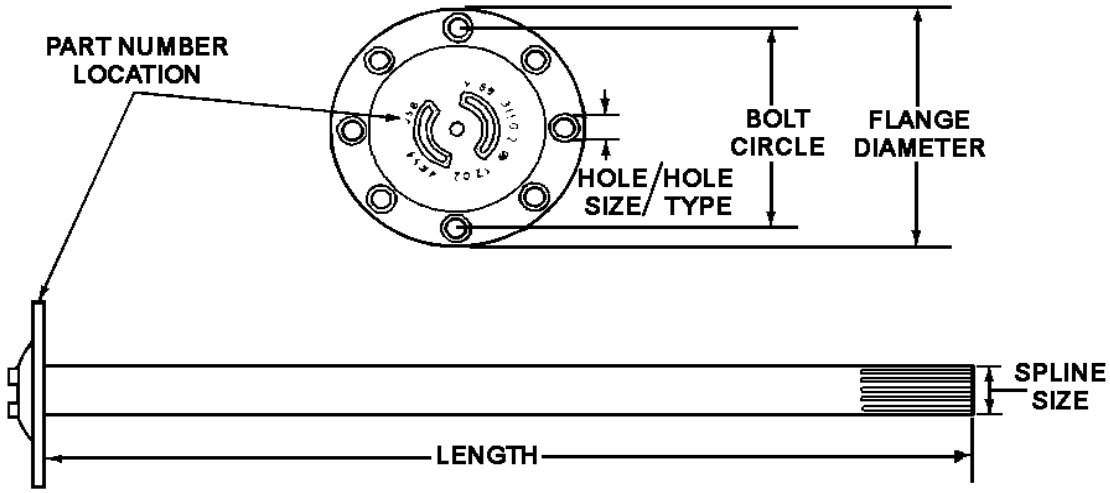
HOUSINGS (3)

Item	Application	Track	Part Number
32	Dual Tire	Narrow	**C3121-D-2578S**
		Standard	**C3121-C-2577S**
	Single Tire	Narrow	**C3121-Q-2851S**
		Standard	**C3121-R-2852S**

AXLE SHAFTS



Item	Application	Track	Size	Part Number	Length	Spline Size	Flange Dia.	Hole Size No.	Hole Size Dia.	Hole Size Type	Bolt Circle
35	Dual Tire	Narrow	Short	**3206-M-1859**	33.96	1.6"-37	5.16"	8	.51"	Straight	4.33"
			Long	**3206-N-1860**	39.07	1.6"-37	5.16"	8	.51"	Straight	4.33"
		Standard	Short	**3206-P-1862**	35.61	1.6"-37	5.16"	8	.51"	Straight	4.33"
			Long	**3206-Q-1863**	40.73	1.6"-37	5.16"	8	.51"	Straight	4.33"
	Single Tire	Narrow	Short	**3206-P-1940**	39.52	1.6"-37	5.16"	8	.51"	Straight	4.33"
			Long	**3206-R-1942**	44.64	1.6"-37	5.16"	8	.51"	Straight	4.33"
		Standard	Short	**3206-T-1944**	40.83	1.6"-37	5.16"	8	.51"	Straight	4.33"
			Long	**3206-V-1946**	45.96	1.6"-37	5.16"	8	.51"	Straight	4.33"

(3) See individual axle assembly bills of material for additional housing options.

For additional information regarding the MS-113 Axle, see Maintenance Manual MM-0230 and Product Profile SP-02156.

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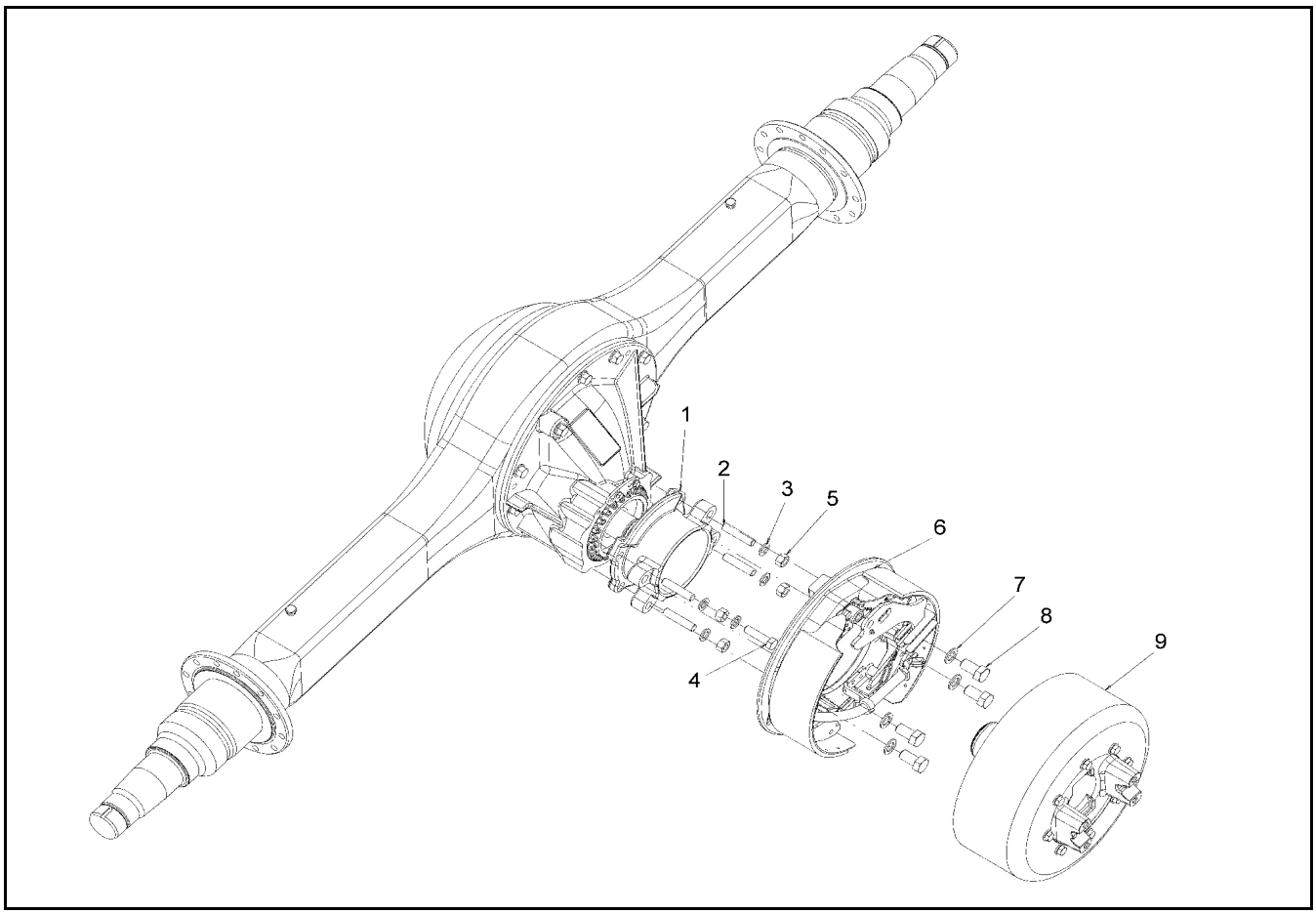
PARKING BRAKE ASSEMBLY



Item	Part No.	Description	Qty.
1	**3268-E-1877**	Adapter - Brake, Finish	1
2	**44-X-1234**	Stud - Metric	4
3	**1229-C-1511**	Washer	5
4	**MS-212045-1**	Capscrew	1
5	**MN-312-1**	Nut	4
6	**3236-M-2691**	Brake Assy.	1
7	**1229-U-1503**	Washer - Flat	4
8	**MS-216030-2**	Capscrew	4
9	**155TYSB28-50A**	Yoke & Drum Assy.	1
9A	**155TYSB28-50**	Yoke Assy.	1
9B	**3219-Y-5901**	Drum	1

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