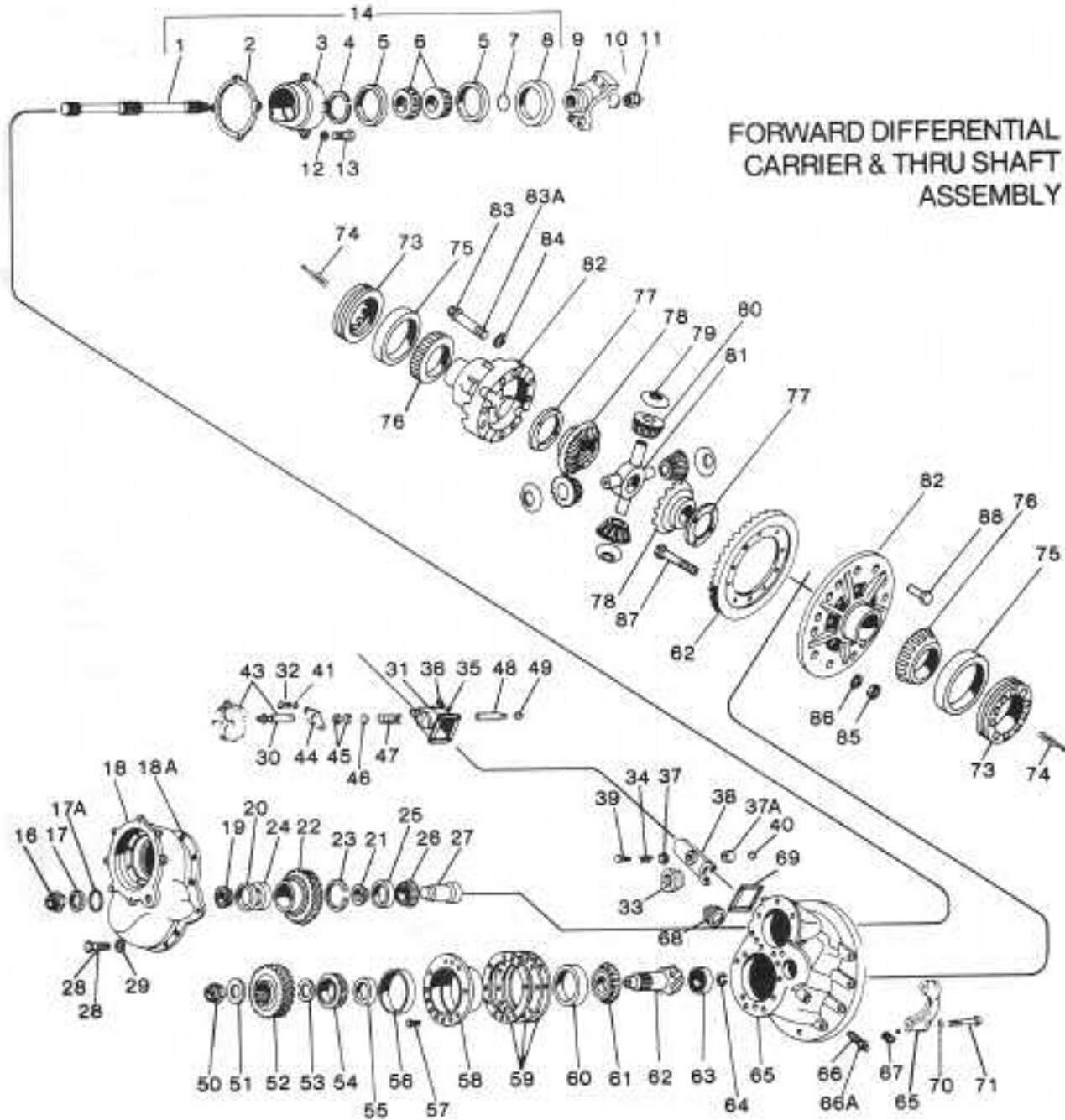


# ROCKWELL®

## SL/SQHD FORWARD-REAR



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# ROCKWELL®

## SL/SQHD FORWARD-REAR

ITEM	DESCRIPTION	QTY	PART NO.	REMARKS
	<b>Bearing, Seal &amp; Gasket Kit</b>		RA900FR	
1	Thru Shaft	1	A3880K921	Includes Item 11
2	Gasket	1	2208C445	
3, 5	Rear Bearing Cage & Cup Assy	1	A3226Q537	
1, 3, 4, 5, 6, 7, 8, 12	Rear Bearing Cage, oil seal, thru shaft, bearing & snap ring assy	1	A1-3226Q537	
4	Snap Ring - Thru Shaft	As req.		<b>CALL YOUR SALES REP</b>
5	Bearing Cup	2	LM603011	
6	Bearing Cone	2	LM603049	
7	Snap Ring - Thru Shaft	1	1829A859	
8	Oil Seal Assy - Thru Shaft	1	475322N	
9	Yoke Assy - Thru Shaft (Output)	1		<b>CALL YOUR SALES REP</b>
10	Washer - Thru Shaft	1	1229A2653	
11	Nut - Thru Shaft	1	1227Z936	
12	Washer - Thru Shaft Cage	4	1229K1597	
13	Capscrew - Thru Shaft Cage	4	S268-2	
14	KIT (pre-assembled)	1	<b>USE MPS 1842</b>	
16	Nut - Idler Gear Shaft	1	1227Z936	
17	Washer - Idler Gear Shaft	1	1229A2653	
17A	"O" Ring - Idler Gear Shaft	1	2208U463	
18	Case - Adapter (case only)	1	3280Y3977	
16, 17, 17A, 18, 20, 22, 23, 24, 25	Adapter Case & Idler Gear Assy	1	A3280Y3977	
18A	Gasket - Adapter Case (Silastic)	3 oz.	1199T3842	
19	Front Bearing Cone	1	31597	
20	Front Bearing Cup	1	31520	
21	Spacers - Front Bearing	As req.		<b>CALL YOUR SALES REP</b>
19, 20, 21, 22, 23, 24, 25	Idler Gear, bearing & spacer assy.	1	A1-3892D1824	
20, 22, 23, 24, 25	Idler Gear, bearing cup, spacer & ring assy.	1	A3892D1824	
23	Snap Ring - Idler Gear Bearing	1	1229N1470	
24	Spacer - Idler Gear Bearing	1	1244X726	
25	Rear Bearing Cup	1	31520	
26	Rear Bearing Cone	1	31597	
27	Shaft - Idler Gear	1	3280P2226	
28	Capscrew (Long)	2	SP1035	
	adapter case (Short)	8	S2812-2	Aluminum carriers
	(Short)	8	S2811-2	Malleable carriers
29	Washer - Adapter Case	10	1229C1511	
30~	Shift Shaft - Inter-axle	1	2297N768	<b>Part of Item 43</b>
31	Housing - Shift Shaft	1	3280D2526	
32	Capscrew - Shift Shaft Hsg. Mtg.	2	S268-2	
33	Collar - Shift Lock	1	3280X2520	
34	Spring - Shift Fork	1	2258G397	
35	Washer - Shift Hsg. Mtg.	4	WA-16	
36	Capscrew - Shift Hsg. Mtg.	4	S268-2	
37	Washer - Shift Fork Seat	1	1229M1599	
37A	Ball - Shift Fork Lock	1	1199V1712	
38	Shift Fork Assy.	1	A2297E811	
39	Bolt - Shift Fork	1	15X1306	
40	Nut - Shift Fork	1	NL-16-1	
41	Washer - Shift Shaft Chamber Mtg.	2	1229B1666	
30~, 41	Shift Chamber & Hsg. Assy. (complete)	1	A1-3280D2526	
43, 30~	Air Chamber & Shift Shaft Assy.	1	A3261C289	
44	Gasket - Shift Shaft Housing	1	2208M429	

~ = Not serviced separately.

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# ROCKWELL®

## SL/SQHD FORWARD-REAR (Cont'd)

ITEM	DESCRIPTION	QTY	PART NO.	REMARKS
45	Snap Ring - Shift Shaft	2	1229W1245	
46	Washer - Shift Shaft	1	1229R798	
47	Spring - Shift Chamber	1	2258U411	
48	Adjusting Bolt - Shift Chamber	1	15X851	
49	Nut - Shift Chamber Adjusting Bolt	1	13X163	
50	Nut-Drive Pinion	1	1227N898	
51	Washer - Drive Pinion Nut	1	1229N1730	
52, 50	Driven drop box gear & drive pinion nut assy.	1	A3892S4517 3892C4735 ^^	USED IN KIT 349 USED IN KIT 2117
53	Spacer-pinion bearing	1	1229S1449	Use with these ratios only: 3.55, 3.70, 3.90, 4.11, 4.33, 4.44, 4.63, 5.29, 5.83
54	Cone - Outer Bearing	1	72200C	
55	Spacer - Forward Bearing	As req.		<b>CALL YOUR SALES REP</b>
56	Cup - Outer Bearing	1	72487	
57	Capscrew - Pinion Bearing Cage	8	10X1027	Malleable carriers
		8	10X1028	Aluminum carriers
58	Drive Pinion Cage & Cup Assy.	1	A3226A131	
59	Shim	1	2203L7448	
	.003	3	2203K7447	
	.010	4	2203J7446	
	Shim	1	2203T8366	Use with these ratios only: 4.88, 6.17, 6.83, 7.20, 7.80, 8.60
60	Cup - Inner Bearing	1	72487	
61	Cone - Inner Bearing	1	72200C	
62~	Drive Gear & Pinion Assy.	1	<b>See Page 105</b>	
63	Bearing - Drive Pinion Rear	1	RU1570UM	
64	Lock Ring - Drive Pinion	1	1229A1301	
65~, 70, 71	Differential Carrier & Cap Assy.	1	A2-3200T800 A3-3200U801	Malleable Aluminum
66	Thrust Screw - Drive Gear	1	15X1025	
66A	Nut - Thrust Screw - Drive Gear	1	13X41	
67	Plug - Oil Inspection	1	1850T150	
68	Plug - Oil Filler Hole	1	P212	
69	Gasket - Shift Housing	1	2208D446	
70	Washer - Bearing Cap	4	1229V1556	
71	Capscrew - Bearing Cap	4	S21238-1	Malleable carriers
		4	10X1021	Aluminum carriers
77, 78, 79, 80, 81, 82~, 83, 84	Differential Case & Nest Assy.	1	B11-3235U619 #	Standard ratio
		1	A87-3235V620 #	Fast ratio
		1	B5-3235U619 ##	Standard ratio
		1	A84-3235V620 ##	Fast ratio
82~, 83, 84	Differential Case Assy.	1	B3-3235U619	Standard ratio
		1	A83-3235V620	Fast ratio
73	Adjusting Ring - Diff. Bearing	2	2214G215	
74	Cotter Pin Lock-Adjusting Ring	2	1199R2176	
75	Differential Bearing Cup	2	493	
76	Bearing - Cone	2	496	Standard ratio
		1	497	Fast ratio
77	Thrust Washer - Side Gear	2	1229T1034	
78	Side Gear Differential	2	2234X310 #	(2" - 21 Spline)
		2	2234X700 ##	(2-1/8" - 22 Spline)
79	Thrust Washer - Pinion	4	1229R1032	
80	Pinion - Differential	4	2233U151	
81	Spider - Differential	1	3278S305	

~ = Not serviced separately.

^^ = New gear - not interchangeable with A3892S4517 gear.

# = SLHD Only

## = SQHD Only

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# ROCKWELL®

## SL/SQHD FORWARD-REAR (Cont'd)

ITEM	DESCRIPTION	QTY	PART NO.	REMARKS
83	Bolt - Differential Case	16	S2826P-1	
84	Washer - Differential case	16	1229C1511	
85	Nut - Gear to case	12	NL110-1	USED IN KIT 570
86	Washer - Gear to case	12	1229U1503	
87	Bolt - Gear to case (bolted version)	12	15X1523	
88	Rivet - Gear to case (riveted version)	12	RV71013	
89	Nut - Input Yoke	1	1227J946	1-1/2" X 12 Course Thread
90	Yoke - Input Shaft	1		<b>CALL YOUR SALES REP</b>
91	Oil Seal Assy.	1	4563V	
92	Snap Ring	1	1229P1446	
93	Bearing - Front radial ball	1	211B	
94	Capscrew - Inter-axle housing	8	S2711-1	
95	Washer - Inter-axle housing	8	1229E1513	
96	Plug - Oil Filter	1	P212	
96A	Plug - Oil Drain	1	1850T150	
97	Housing - Inter-axle differential	1	3280V2518	Malleable carriers
		1	3280Y2573	Aluminum carriers
97A	Gasket - Inter-axle diff. housing (Silastic)	3 oz.	1199T3842	
91, 92, 93, 97	Housing Assy. Inter-axle diff.	1	A3280V2518	Malleable carriers
91, 92, 93, 97	Housing Assy. Inter-axle diff.	1	A3280Y2573	Aluminum case
98	Capscrew - Inter-axle diff. case	8	S2824A-1	
98A	Thread locking liquid/diff. case	1	2297C3747	34 oz. tube - <b>SEE NOTE BELOW.</b>
99	Spacer - Bearing	1	1244Y701	
89, 100, 110	Inter-axle diff. case assy.	1	A2-3235T1528	
89, 98, 100~, 101, 102, 103, 104, 105, 106, 107, 110	Inter-axle diff. case & nest assy. (Complete)	1	A1-3235T1528	
101	Thrust Washer - Forward side gear	1	1229J1622	
102	Side gear - forward	1	2234M325	
103	Side gear - rear	1	2234B340	
104	Spider - differential	1	3278M91	Available as KIT 2356
105	Pinion - differential	4	2233A105	
106	Thrust Washer - pinion	4	1229Q2877	
107	Thrust Washer - rear side gear	1	1229G1619	
108	Capscrew - Bearing Cage	6	S267-1	
109~	Cage - Bearing	1	3226F708	
109, 112	Cage & Cup Assy - Bearing	1	A3226F708	
110	Bushing - Bearing Cage	1	1225V880	Bronze
111	Shim - Bearing Cage	4	2203R3008	
		1	2203S3009	
112	Cup - front bearing	1	29630	
113	Cone - front bearing	1	29675	
114	Drive Gear - Inter-axle	1	3892P2044	
115	Cone - rear bearing	1	29675	
116	Cup - rear bearing	1	29630	

~ = Not serviced separately.

### NOTE: THREAD LOCKING LIQUID/DIFFERENTIAL CASE HALVES

When assembling differential case halves in Rockwell International® axles, a thread locking adhesive should be used. The recommended procedure is as follows:

1. Wipe excess oil and residue from the threaded holes in the case. The holes should be relatively oil-free.
2. If **new bolts** are used, a yellow coating of Dri-Loc™ should appear on the threads. Assemble the case with these coated bolts to the required torque.
3. If the **original** bolts are reused or **regular bolts** without Dri-Loc™ are used, Rockwell® Part No. 2297C3747 should be used as a thread locking adhesive. **Apply the adhesive to the differential case holes only.** Thread the bolts and tighten to the required torque.

**IMPORTANT:** Do not apply Rockwell® Part No. 2297C3747 to Dri-Loc™ coated bolts. Refer to Rockwell® Service.

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# ROCKWELL®

## SL/SQHD FORWARD-REAR CARRIER WITH 2" - 39 SPLINE

<u>DRIVE GEAR &amp; PINION ASSY</u>	<u>DRIVE GEAR, PINION &amp; HELICAL GEAR ASSY</u>	<u>RATIO</u>	<u>REMARKS</u>
A36028-20	A36028-21	3.55	FAST RATIOS
A37588-12	A37588-13	3.70	
A38006-9	A38006-10	3.90	Use Differential Case
A35818-23	A35818-24	4.11	Assembly
A36722-12	A36722-13	4.33	A83-3235V620
A35816-19	A35816-20	4.44	
A35814-16	A35814-17	4.63	
A36446-15	A36446-16	4.88	STANDARD RATIOS
A35812-20	A35812-21	5.29	
A35810-19	A35810-20	5.83	Use Differential Case
A35808-18	A35808-23	6.17	Assembly
A35806-21	A35806-22	6.83	B3-3235U619
A35804-18	A35804-23	7.20	
A35802-17	A35802-18	7.80	
A35800-17	A35800-18	8.60	

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