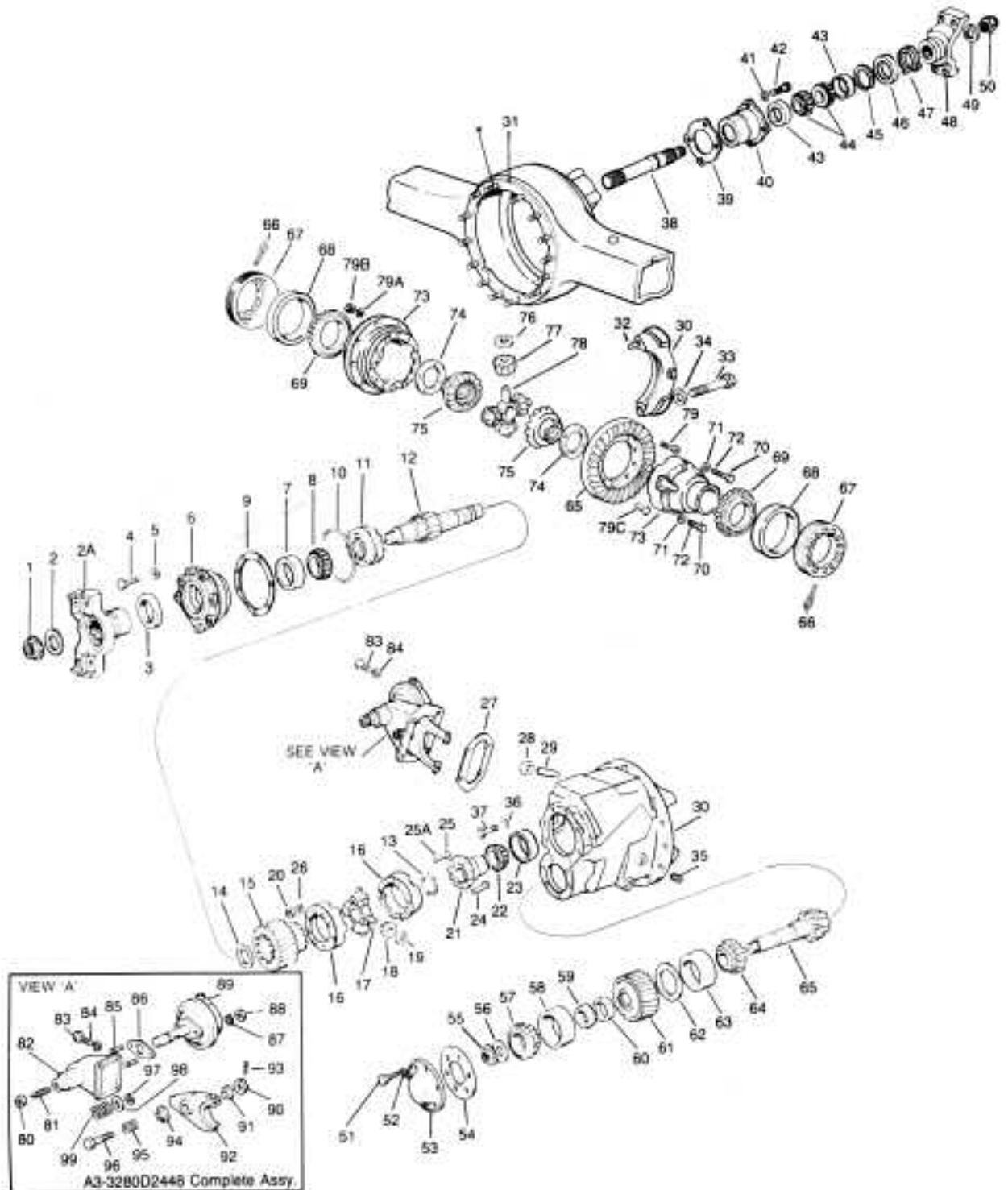


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ROCKWELL®

SSHD FRONT

ITEM	DESCRIPTION	QTY	CARRIER	CARRIER	CARRIER	REMARKS
			3200-M-585 PART NUMBER DATE 1/74	3200-R-1162 PART NUMBER DATE 1/76	3200-P-1420 PART NUMBER DATE 1/83	
	Bearing, Seal & Gasket Kit		RA172FR	RA172FAR	RA172FBR	
1	Nut - input shaft	1	1227D940	1227D940	1227D940	
2	Washer - input shaft nut	1		1229S1605	1229S1605	
2A	Yoke/flange-input shaft	1				CALL YOUR SALES REP
3	Oil seal-input shaft bearing cage	1	417487	416470N	100494	
4	Capscrew-input shaft bearing case	7	S2712-2	S2712-2	S2712-2	
5	Washer-inut shaft bearing cage	7	1229E1513	1229E1513	1229E1513	
6, 7	Bearing cage assy. - input shaft	7	3226M351	KIT 2427	KIT 2427	
7	Bearing cup-input shaft bearing cage	1	313 (Ball bearing assy.)	JH211710	JH211710	
8	Bearing cone-input shaft brg. cage	1		JH211749	JH211749	
9	Shim-input bearing cage	3 2 1	2203G4089 2203H4090	2203Q6803 2203R6804 2203S6805	2203Q6803 2203R6804 2203S6805	
10	O-ring input shaft bearing	1	5X591	5X591	5X591	
11	Clutch collar	1	MPS2259	KIT 2427	KIT 2427	
1, 12, 13	Input shaft assy.	1	A1-3280S5609	KIT 2498	KIT 2498	
13	Retainer - Input shaft (snap ring)	1	1229R1604 ^ 1229L4354 ^^	1229V2570 ^ 1229L4354 ^^	1229V2570 ^ 1229L4354 ^^	Used before 7/24/89 Used after 7/24/89
14	Thrust washer - input shaft gear	1	1229M2769R	1229M2769R	1229M2769R	
15	Gear - input drive	1	3892F1826	3892F1826	3892F1826	
16~, 20, 25, 26	Case assy., - Inter-axle diff.	1	A3235W751	A1-3235G1801	A1-3235G1801	
16~ thru 19, 20, 25, 26	Case & nest assy. Inter-axle diff.	1	Must purchase A3235W751 & Items 17, 18, 19, 20 and 21A separately	A2-3235F1800	A2-3235F1800	
17	Spider - Inter-axle diff.	1	3278Y129	3278V1088	3278V1088	
18	Pinion - Inter-axle diff.	4	2233W153	2233W153	2233W153	
19	Thrust washer - Inter-axle diff. pinion	4	1229T1606	1229T1606	1229T1606	
20	Nut - Inter-axle diff. case bolt	8		NL27-1	NL27-1	SEE KIT 389
21	Side gear - Inter-axle diff.	1	2234F604	2234M793	2234M793	
21A	Washer - side gear - Inter-axle diff.	1	1229N1600			Not shown.
22	Bearing cone - Inter-axle diff. rear	1	MU1015DCV (Ball bearing assy.)	JLM714149	JLM714149	
23	Bearing cup - Inter-axle diff. rear	1		JLM714110	JLM714110	
24	Rivet - Inter-axle diff. case	8		17X234	17X234	
25	Bolt - Inter-axle diff. case	8	S2722A-1	S2726-1	S2726-1	*SEE KIT 389
25A	Thread locking liquid/diff. case	1	2297C3747	2297C3747	2297C3747	.34 oz. tube - SEE NOTE following parts listing.
26	Washer - Inter-axle diff. case bolt	16	1229E1513	1229E1513	1229E1513	SEE KIT 389 .
27	Gasket - Shift housing	1	2208G501	2208G501	2208G501	
28	Nut	1	13X41	13X41	13X41	
29	Screw-thrust	1	15X1025	15X1025	15X1025	
30~, 33, 32~, 34	Carrier & cap assy.	1	MPS2255	A2-3200P1420	A2-3200P1420	
31	Gasket - carrier to hsg. (Silastic)	3 oz.	1199T3842	1199T3842	1199T3842	SEE KIT 533
32~	Dowel-bearing cap	4	1898Z1066	1898Z1066	1898Z1066	
33	Capscrew - Diff. bearing cap	4	S21444-1	S21444-1	S21444-1	
34	Washer - Diff. bearing cap	4	1229T1554	1229T1554	1229M1625	
35	Plug-filler	1	P212	P212	1250E473	
36	Washer - carrier to housing	14		1229U1503	1229U1503	
37	Capscrew - carrier to housing	8		S21014-1	S21014-1	

~ - Not serviced separately.

^ = 1229R1604 & 1229V2570 are required for square cut groove.

^^ = 1229L4354 is required for round cut groove.

* = Specify ratios. When changing ratios from standard to medium or fast, you must change differential cases.

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SSHD FRONT (Cont'd)

ITEM	DESCRIPTION	QTY	CARRIER	CARRIER	CARRIER	REMARKS
			3200-M-585 PART NUMBER DATE 1/74	3200-R-1162 PART NUMBER DATE 1/76	3200-P-1420 PART NUMBER DATE 1/83	
38	Thru-shaft	1	A3280Z2444 (Includes Item 50)	3280L6720	3280L6720	
39	Gasket - thru-shaft bearing cage	1	2208C445	2208C445	2208C445	
40~, 43	Cage assy. thru-shaft bearing	1	A3226X180	A3226W699	A3226W699	
41	Washer - thru-shaft bearing cage	4	1229K1597	1229U1503	1229K1597	
42	Capscrew - thru-shaft brg. cage	4	S268-2	S268-2	S268-2	
43	Bearing cup - thru-shaft inner & outer	2	210 (Ball brg. assy.)	JLM104910	JLM104910	
44	Bearing cone - thru-shaft	2		LM104949	LM104949	
45	Snap Ring - thru-shaft	1	1229L1598			CALL YOUR SALES REP
46	Oil seal - thru-shaft bearing cage	1	475322N	475322N	4874N	
47	Thrust washer - thru-shaft brg.	1		1229C2057	1229C2057	
48	Yoke/flange - thru-shaft	1				CALL YOUR SALES REP
49	Washer - thru-shaft rear yoke	1		1229T1736	1229T1736	
50	Nut - thru-shaft rear yoke	1	1227A937	1227J946	1227J946	
51	Capscrew - drive pinion brg. cover	6	S266-1	S266-1	S266-1	
52	Washer - drive pinion brg. cover	6	1229C1017	1229C1017	1229C1017	
53	Cover - drive pinion bearing	1	3262H112	3262H112	3262H112	
54	Gasket - drive pinion brg. cover	1	2208F500	2208F500	2208F500	
55	Nut - drive pinion shaft	1	1227D940	1227D940	1227D940	
56	Washer - drive pinion shaft	1	1229S1605	1229S1605	1229S1605	
57	Bearing cone - drive pinion outer	1	65237	65237	65237	
58	Bearing cup - drive pinion outer	1	65500	65500	65500	
59	Spacer - drop gear box	1	1244G787	1244G787	1244G787	
60	Spacer - pinion bearing	As req.				CALL YOUR SALES REP
61	Gear-driven drop box	1	3892D1798	3892D1798	3892D1798	
62	Shim-drive	.003	2203F2788	2203F2788	2203F2788	
		.005	2203G2789	2203G2789	2203G2789	
		.010	2203H2790	2203H2790	2203H2790	
63	Bearing cup - drive pinion inner	1	H715311	H715311	H715311	
64	Bearing cone - drive pinion outer	1	H715343	H715343	H715343	
65~	Drive gear & pinion assy.	1				See Page 127
66	Cotter-diff. bearing adj. ring	2	1199M2457	1199M2457	1199M2457	
67	Adj. ring-diff. bearing	2	2214X50	2214X50	2214X50	
68	Bearing cup - diff.	2	47820	47820	47820	
69	Bearing cone - diff.	2	47890	47890	47890	
70	Capscrew diff. case	Short	S21020A-1	S21020A-1	S21020A-1	
		Long	S21028A-1	S21028A-1	S21028A-1	
71	Washer - diff. case capscrew	12	1229U1503	1229U1503	1229U1503	
72	Thread locking liquid/diff. case	1	2297C3747	2297C3747	2297C3747	.34 oz. tube - SEE NOTE following parts listing.
73~, 70, 72, 72	Diff. case assy. - main	1	A32-3235N1106	A32-3235N1106	A3235N1678	Standard ratio
		1	A39-3235Q1109	A39-3235Q1109	A3235Q1681	Fast ratio
70 thru 78	Diff. case & nest assy - main (for axle using 2-1/4" - 23 spline)	1	A4-3235N1106	A4-3235N1106	A3-3235N1678	Standard ratio
78	(for axle using 2-1/4" - 23 spline)	1	A6-3235Q1109	A6-3235Q1109	A3-3235Q1681	Fast ratio
70 thru 78	Diff. case & nest assy - main (for axle using 2-3/8" - 24 spline)	1	A1-3235N1106	A1-3235N1106	A1-3235N1678	Standard ratio
78	(for axle using 2-3/8" - 24 spline)	1	A1-3235Q1109	A1-3235Q1109	A1-3235Q1681	Fast ratio
74	Thrust washer - diff. side gear	2	1229E993	1229E993	1229E993	
75	Side gear 23 Spline	2	2234K271	2234K271	2234K271	No-Spin™ A3230V22
	main diff. 24 Spline	2	2234F344	2234F344	2234F344	No-Spin™ A3230W23
76	Thrust washer - diff. pinion	4	1229D992	1229D992	1229D992	
77	Pinion - diff.	4	2233U99	2233U99	2233U99	
78	Spider - diff.	1	3278A79	3278A79	3278A79	
79	Capscrew	12	15X1707	15X1707	15X1707	
79A	Washer - gear to case	12	1229U1503	1229U1503	1229U1503	
79B	Nut - gear to case	12	NL110-1	NL110-1	NL110-1	

~ - Not serviced separately.

^ = 1229R1604 & 1229V2570 are required for square cut groove.

^^ = 1229L4354 is required for round cut groove.

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SSHD FRONT (Cont'd)

ITEM	DESCRIPTION	QTY	CARRIER	CARRIER	CARRIER
			3200-M-585	3200-R-1162	3200-P-1420
			PART NUMBER	PART NUMBER	PART NUMBER
			DATE 1/74	DATE 1/76	DATE 1/83
79C	Rivet - bevel gear to case	12	RV71016	RV71016	RV71016
80	Nut-jam	1	N18-1	N18-1	N18-1
81	Adj. screw - shift housing	1	S1811-1	3X338	3X338
82, 85	Shift housing assy.	1	A3280D2448	A3280D2448	A3280D2448
83	Capscrew - Shift housing	4	S268-2	S268-2	S268-2
84	Washer - Shift housing capscrew	4	1229C1017	1229C1017	1229C1017
85	Capscrew - chamber to housing	2	SN613-1	S268-2	S268-2
86	Gasket - chamber to housing	1	2208M429	2208M429	2208M429
87	Washer - chamber to housing stud	2	1229B1666	1229B1666	1229B1666
88	Nut - chamber to housing stud	2	N16-1	N16-1	N16-1
89	Chamber assy. - air shift	1	A3261C289	A3261C289	A3261C289
90	Nut - shift fork bolt	1	NL16-1	NL16-1	NL16-1
91	Ball - shift fork	1	1199V1712	1199V1712	1199V1712
92, 93~	Shift fork assy.	1	MPS2637	A1-2297D862	A1-2297D862
94	Washer - inner shift fork	1	1229E1513	1229M1599	1229M1599
95	Spring - shift fork	1	2258R408	2258R408	2258R408
96	Bolt - shift fork	1	15X1337	15X1337	15X1337
97	Washer - shift assy. lock	1	1229C1407	1229W1245	1229W1245
98	Washer - shift spring	1	1229R798	1229R798	1229R798
99	Spring - shift	1	2258L402	2258L402	2258L402

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.

SSHD (ALL MODELS FORWARD-REAR WITH 2 5/8" - 26 SPLINE - EXCEPT PUMP VERSION) *

PART NUMBER	RATIO		AXLE
	FAST	STANDARD	
A40160-1	FAST	3.73	SHD, THD, and UHD
A40162-1		3.90	
A40164-1		4.10	
A40170-1		4.30	
A40036-1		4.56	
A40172-1		4.63	
A40176-1	STANDARD	4.89	
A40178-1		5.29	
A40046-1		5.38	
A40180-1		5.57	
A40182-1		6.14	
A40306-1		6.83	
A40502-1		7.40	

~ - Not serviced separately.

* = NOTE: The above gear sets are to be used with the optional oil pump only, and are not interchangeable with 3200R1162 or 3200P1420 carrier.

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