



Illustrated Parts Manual

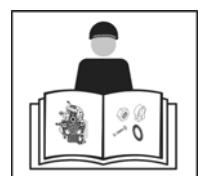
Models

534B-6
534B-8

S/N 8344001L thru 0144870S

P/N - 9020-7316

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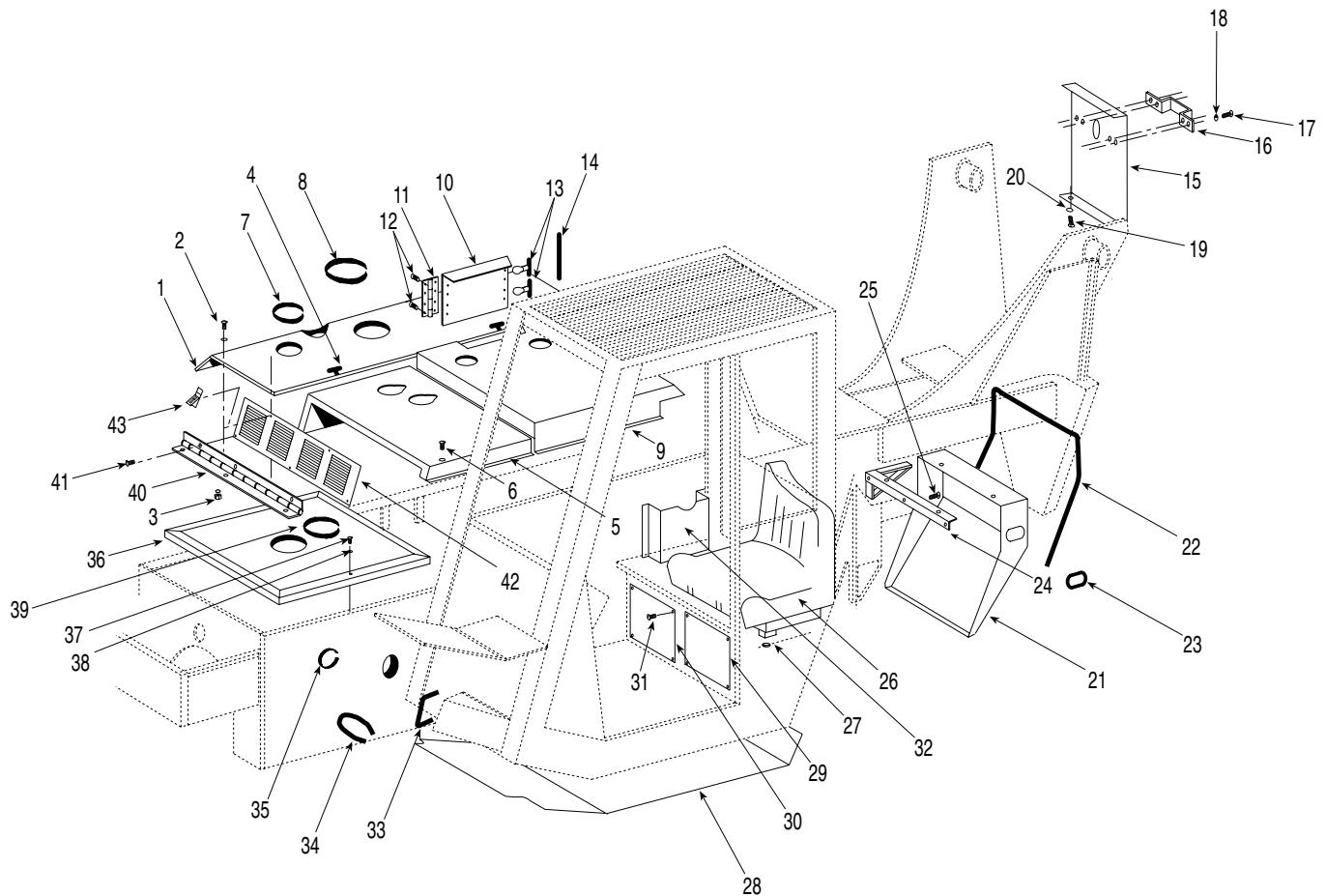
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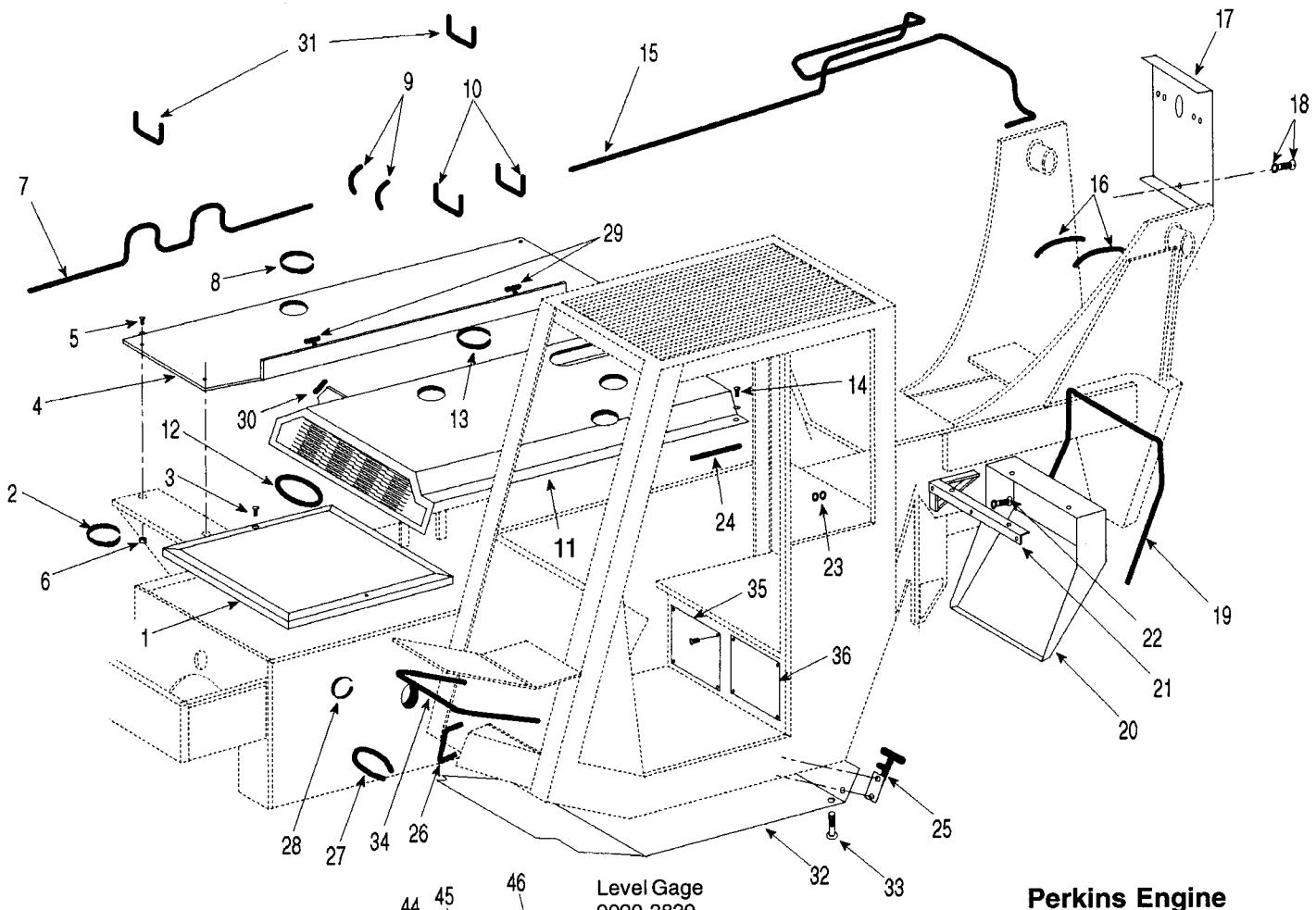
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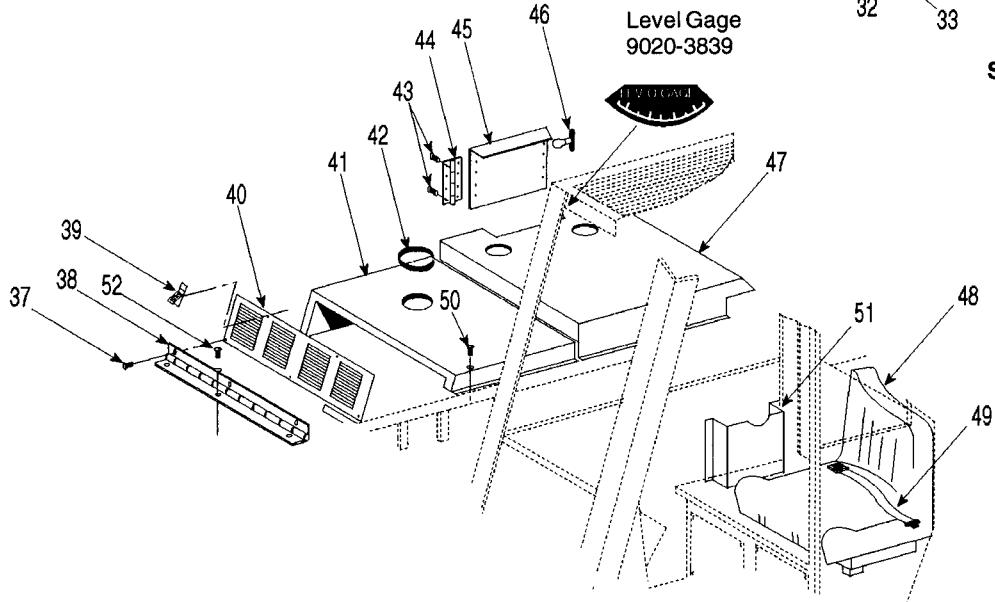
Item	Part No.	Qty.	Description Of Part
1	9103-1260	1	TANK COVER
2	8820-1066	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5
	8856-1111	4	FLAT WASHER, 1/2
3	8855-1013	4	LOCKWASHER, 1/2
	8852-1308	4	HEX LOCKNUT, 1/2-13
4	7716-3020	2	TANK COVER FASTENER
5	9103-6016	1	FRONT HOOD
6	8820-1003	8	HEX HD CAPSCREW, 1/4-20X3/4, GR5
	8855-1009	8	LOCKWASHER, 1/4
	8856-1107	8	FLATWASHER, 1/4
7	9020-6196	1	TRIM
8	9020-6196	1	TRIM
9	9104-5027	1	REAR HOOD
10	9103-1067	1	SERVICE DOOR
11	9103-3077	1	DOOR HINGE
12	8826-1009	8	BUTTON HD CAPSCREW, #10-24X5/8
	8856-1105	8	FLATWASHER, #10
	8852-1605	8	HEX HD LOCKNUT #10
13	9020-7458	2	DRAW LATCH
14	9020-6196	1	TRIM
15	9040-3352	1	REAR BOOM COVER
16	9104-1510	1	BOOM CABLE GUARD
17	8820-1067	6	HEX HD CAPSCREW, 1/2-13X1-1/2
18	8850-1013	6	LOCKWASHER, 1/2
	8856-1111	6	FLATWASHER, 1/2
19	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4
20	8855-1011	2	LOCKWASHER, 3/8
	8856-1004	2	FLATWASHER, 3/8
21	9103-6079	1	REAR CAB COVER
22	9020-6194	1	TRIM
23	9020-6196	1	TRIM
24	9060-2885	1	REAR WINDOW BRACKET
25	8820-1005	3	HEX HD CAPSCREW, 1/4-20X1, GR5
26	9020-7278	1	SEAT
27	8667-1164	2	SPACER
	7714-3006	4	NUT
28	9103-1363	1	CAB BOTTOM COVER
29	9020-5746	1	HEATER COVER
	7714-3003	4	BOLT
	7714-3006	4	NUT
30	9020-5730	1	VALVE COVER
31	7714-3003	4	BOLT
	7710-3044	4	CLIP NUT
32	9103-3102	1	MANUAL HOLDER
33	9020-6196	1	TRIM
34	9020-6196	1	TRIM
35	9020-6200	1	TRIM
36	9103-5096	1	MAINTENANCE DECK
37	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5
38	8856-1109	2	LOCKWASHER, 3/8
39	9020-6194	1	TRIM
40	9103-1075	1	HINGE
41	8832-1047	3	SELF-TAPPING SCREW, 1/4-20X3/8
42	9103-1261	1	FRONT SERVICE DOOR
43	9020-7458	2	DRAW LATCH

NOTE: ALL TRIM SOLD IN 25 FT. LENGTHS



Perkins Engine

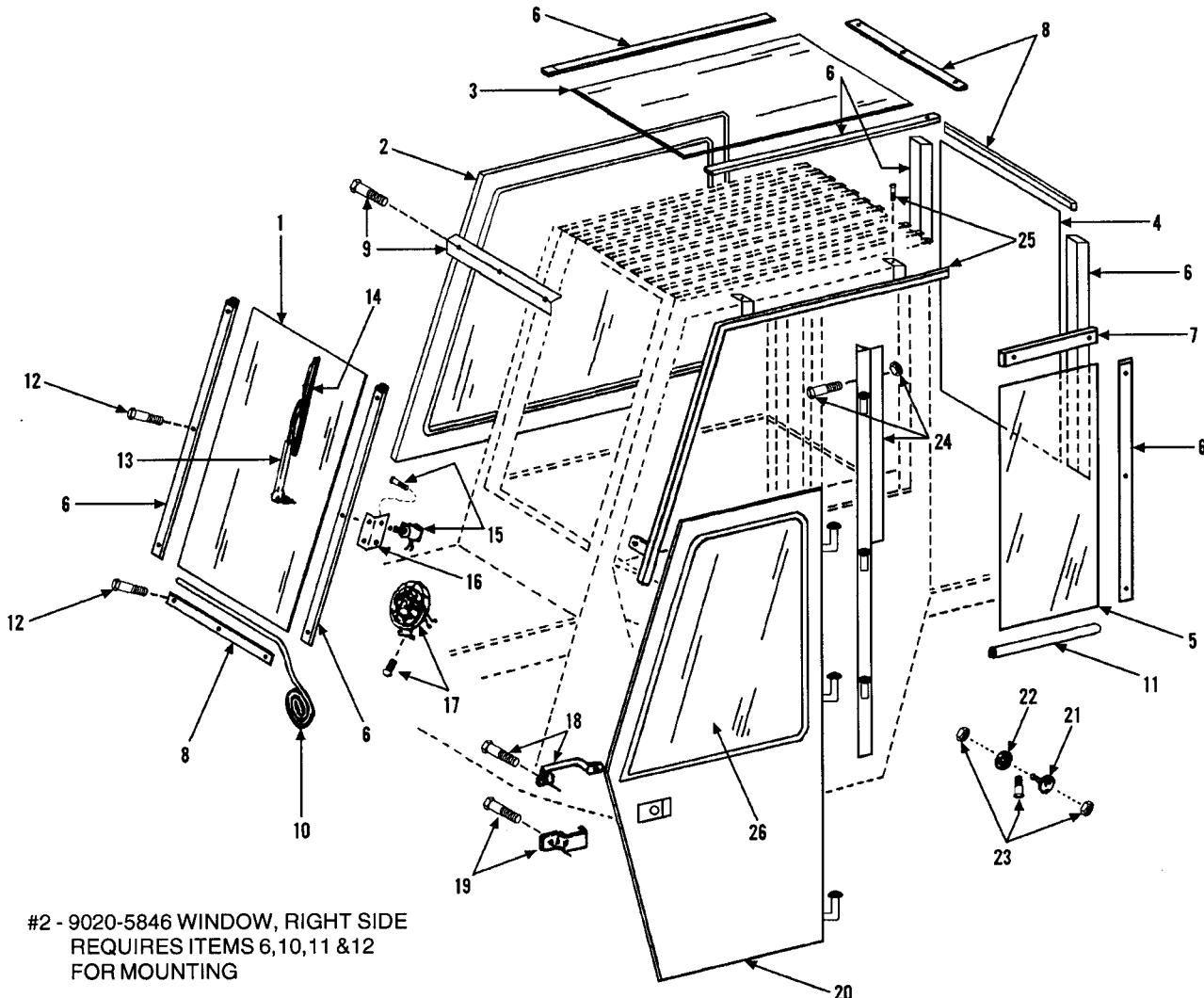
Starting Serial No. 8444491



Item	Part No.	Qty.	Description Of Part
1	9060-2887	1	MAINTENENCE DECK
2	9020-6200	*	TRIM
3	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5
4	8856-1109	2	FLAT WASHER, 3/8
4	9080-1339	1	TANK COVER (Waukesha)
	9103-1076	1	TANK COVER (S/N 8444490 thru 8644765)
	9103-1260	1	TANK COVER (starting S/N 8644766)
5	8820-1066	4	HEX HD CAPSCREW, 1/2-13X1-1/4, GR5
6	8856-1111	4	FLAT WASHER, 1/2
6	8855-1013	4	LOCKWASHER, 1/2
	8852-1308	4	HEX LOCKNUT, 1/2-13
7	9020-6196	*	TRIM
8	9020-6196	*	TRIM
9	9020-6200	*	TRIM
10	9020-6194	*	TRIM
11	9080-1338	1	ENGINE COMPARTMENT COVER
12	9020-6200	*	TRIM
13	9020-6194	*	TRIM
14	9020-7512	1	COVER FASTENER
15	9020-6194	*	TRIM
16	9020-6203	*	TRIM
17	9040-3352	1	REAR BOOM COVER
18	9020-3959	4	WING BOLT
	8856-1109	4	WASHER
19	9020-6194	*	TRIM
20	9060-2888	1	REAR CAB COVER
21	9060-2885	1	REAR WINDOW BRACKET
22	8820-1005	3	HEX HD CAPSCREW, 1/4-20X1, GR5
23	8856-1107	3	FLAT WASHER, 1/4
	8850-1004	3	HEX NUT, 1/4-20
24	9020-6200	*	TRIM
25	9020-7458	2	REAR CAB COVER FASTENERS
26	9020-6196	*	TRIM
27	9020-6196	*	TRIM
28	9020-6200	*	TRIM
29	7716-3020	2	TANK COVER FASTENERS
30	9020-0755	1	WEATHER STRIP
31	9020-6196	*	TRIM
32	9060-2886	1	CAB BOTTOM COVER
33	7714-3003	7	BOLT
34	9020-6196	*	TRIM
35	9020-5730	1	VALVE COVER
	7714-3003	4	BOLT
	7710-3044	4	CLIP NUT
36	9020-5746	1	HEATHER COVER
	7714-3003	4	BOLT
	7714-3006	4	NUT

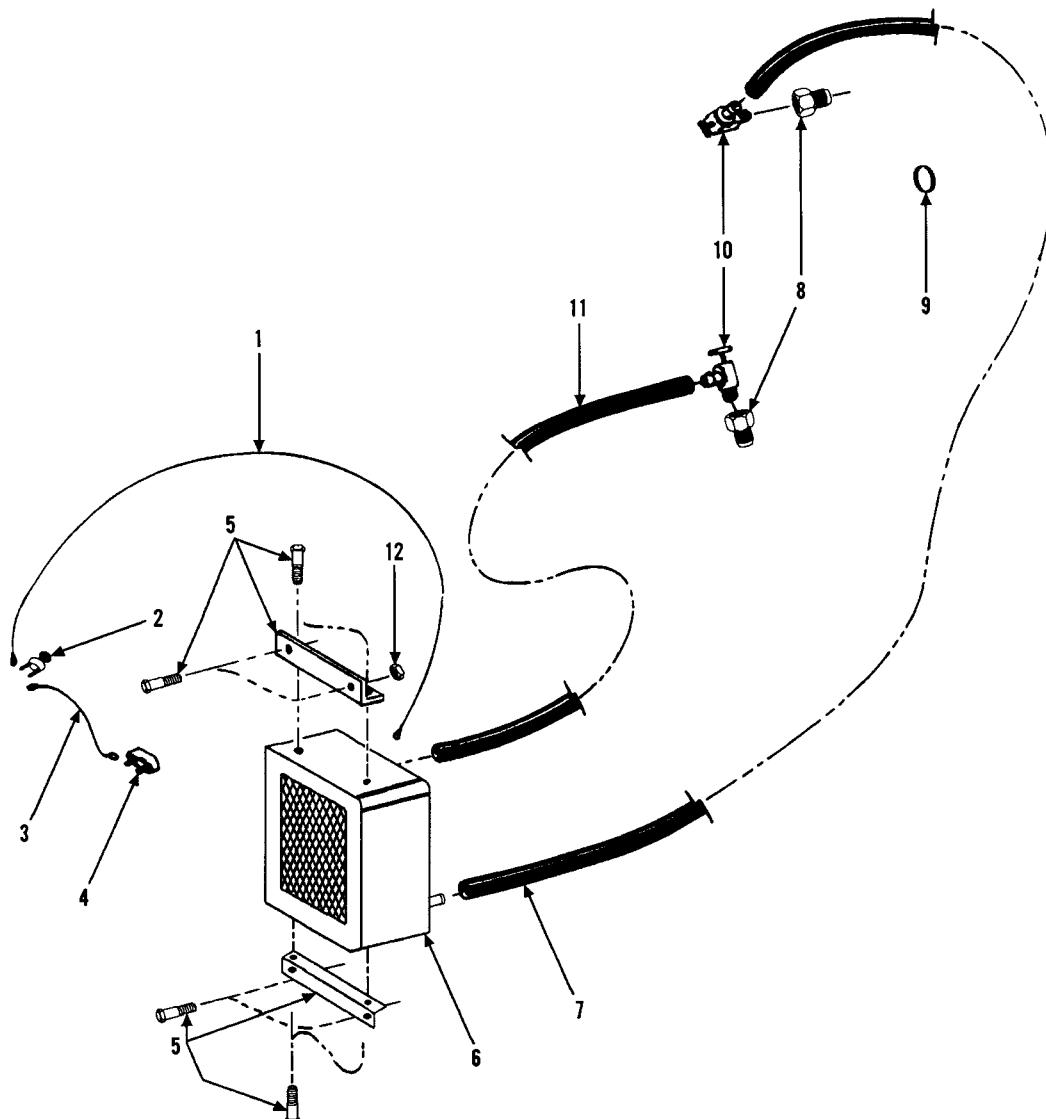
Item	Part No.	Qty.	Description Of Part
37	8826-1017	3	SOCKET BUTTON HD CAPSCREW, 1/4-20-7/8
	8856-1107	6	FLAT WASHER, 1/4
	8852-1304	3	HEX LOCKNUT, 1/4-20
38	9103-1075	1	HINGE
39	8368-3311	2	PAWL LATCH
	9103-3214	2	DRAW LATCH (starting S/N 8644733)
40	9103-1074	1	FRONT SERVICE DOOR
	9103-1261	1	FRONT SERVICE DOOR (starting S/N 8644733)
41	9103-6016	1	FRONT HOOD
42	9020-6194	*	TRIM
43	8826-1009	16	SOCKET BUTTON HD CAPSCREW, 10-24X5/8
	8856-1105	16	FLAT WASHER, #10
	8852-1605	16	HEX LOCKNUT, #10-24
44	9103-3077	1	HINGE
45	9103-1067	1	SIDE SERVICE DOOR
46	9020-7458	2	DRAW LATCH
47	9103-6015	1	REAR HOOD
	9103-6038	1	REAR HOOD (starting S/N 8544539)
48	9020-7278	1	SEAT
	8867-1164	2	SPACER
	7714-3006	4	NUT
49	9103-3029	1	SEAT BELT
	8820-1050	2	HEX HD CAPSCREW, 7/16-14X1, GR5
	8850-1007	2	HEX NUT, 7/16-14
50	8820-1003	8	HEX HD CAPSCREW, 1/4-20X3/4, GR5
	8855-1009	8	LOCKWASHER, 1/4
	8856-1107	8	FLATWASHER, 1/4
51	9103-3102	1	MANUAL HOLDER
	8830-1193	4	RDHD MACH. SCREW, #10-32X1/2
52	8832-1047	3	SELF TAPPING SCREW, 1/4-20X3/8

* NOTE: ALL TRIM SOLD IN 25 FT. LENGTH



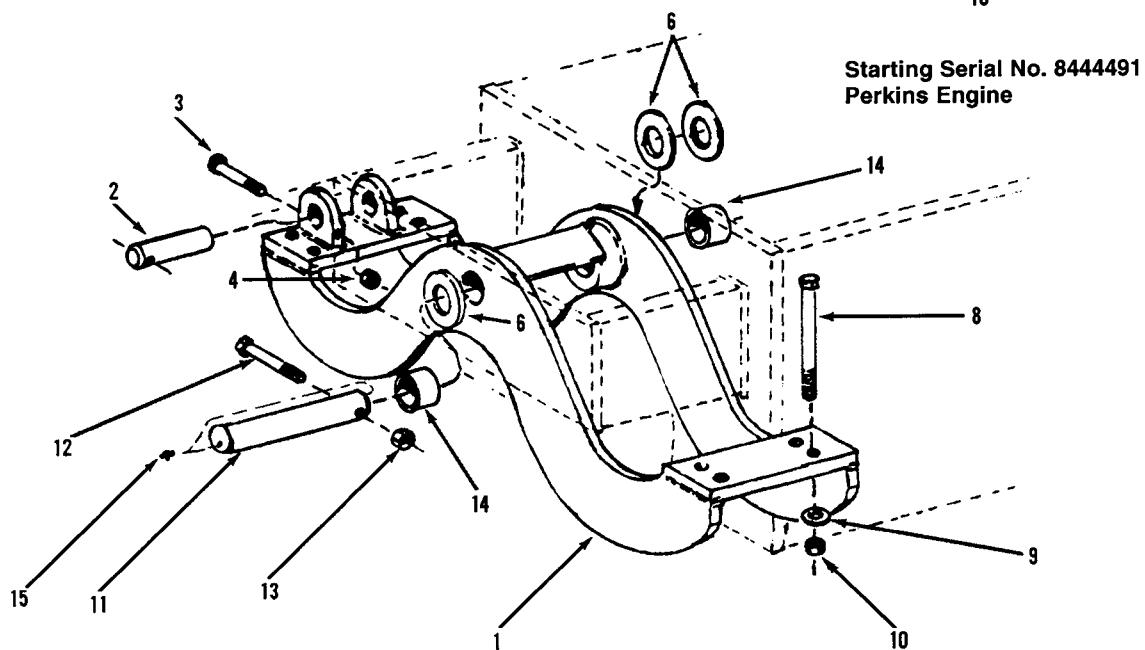
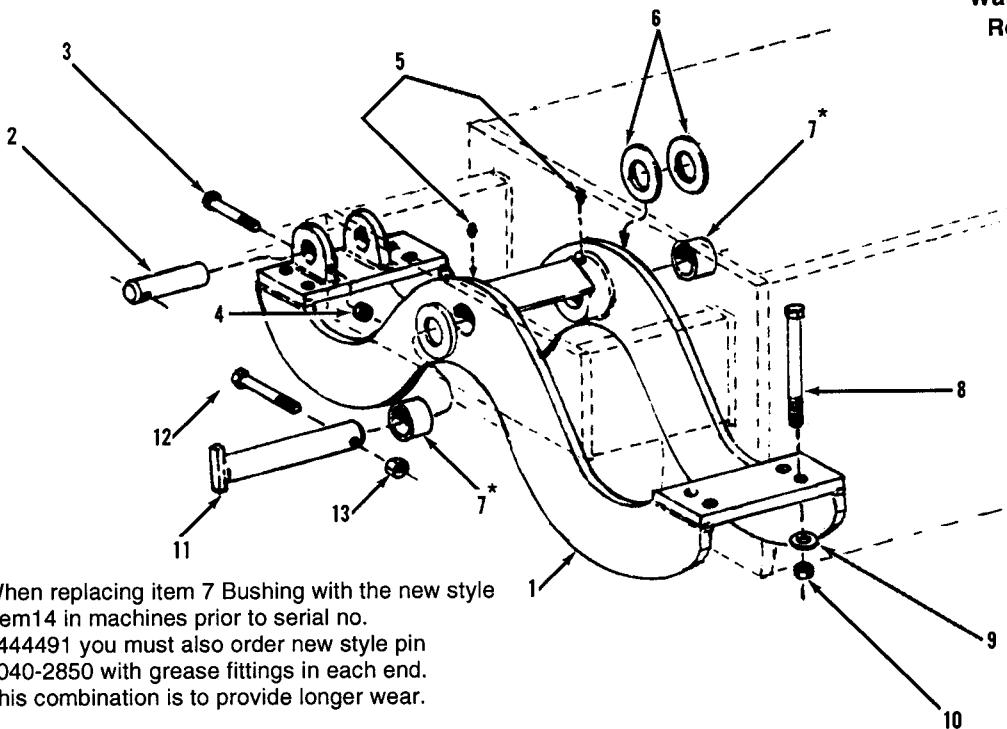
Item	Part No.	Qty.	Description Of Part
1	9040-3036	1	FRONT WINDOW
2	9020-5846	1	RIGHT SIDE WINDOW
3	9040-3034	1	TOP WINDOW
4	9040-3035	1	REAR WINDOW
5	9040-3033	1	LEFT SIDE WINDOW
6	9020-6019	AR	WINDOW HOLD DOWN BAR
7	9020-6017	1	HOLD DOWN BAR (left top)
8	9020-6018	3	HOLD DOWN BAR
9	9020-6613	1	SUPPORT ANGLE (window to cab)
	8820-1031	2	HEX HD CAPSCREW, 3/8-16X1/2, GR5
	8855-1011	2	LOCKWASHER, 1/2
10	9020-0755	50'	WEATHER STRIPPING (bulk)
11	9020-6100	AR	RUBBER GLAZING STRIP
12	9002-7319	AR	SELF TAPPING SCREW, 1/4-14X1-1/4 (window bar hold down)
13	9103-3464	1	WINDSHIELD WIPER ARM
14	9103-3465	1	WIPER BLADE
15	9020-6023	1	WIPER MOTOR
	9002-7214	1	WIPER SHAFT GROMMET (not shown)
16	9020-6025	1	WIPER MOTOR MOUNTING ANGLE
	8820-1003	1	HEX HD CAPSCREW, 1/4-20X3/4, GR5

Item	Part No.	Qty.	Description Of Part
17	8850-1004	1	HEX NUT, 1/4-20
17	9020-0680	1	DEFROSTER FAN
18	8832-1015	4	SELF TAPPING SCREW
18	9020-3840	1	DOOR PULL HANDLE
18	8832-1039	2	SELF TAPPING SCREW, #10-32X1/2
19	9020-3627	1	HANDLE
	8820-1031	1	HEX HD CAPSCREW, 3/8-16X1/2, GR5
20	9080-1238	1	DOOR ASSY
	9103-4033	1	DOOR LATCH
21	9020-5886	1	DOOR HOLD PLUNGER
22	9020-5888	1	PLUNGER SOCKET
23	8830-1309	4	FLAT HD MACHINE SCREW, 1/4-20X3/4
	8852-1304	4	HEX NUT, 1/4-20
24	9040-3082	1	DOOR POST
	8820-1039	4	HEX HD CAPSCREW, 3/8-16X2, GR5
	8850-1006	4	HEX NUT, 3/8-16
25	9040-3032	1	DOOR TROUGH
	9002-7319	3	SELF TAPPING SCREW, 1/4 NC X 1
26	9041-0229	1	DOOR WINDOW
	8366-1145	8FT	WEATHER STRIPPING (bulk)

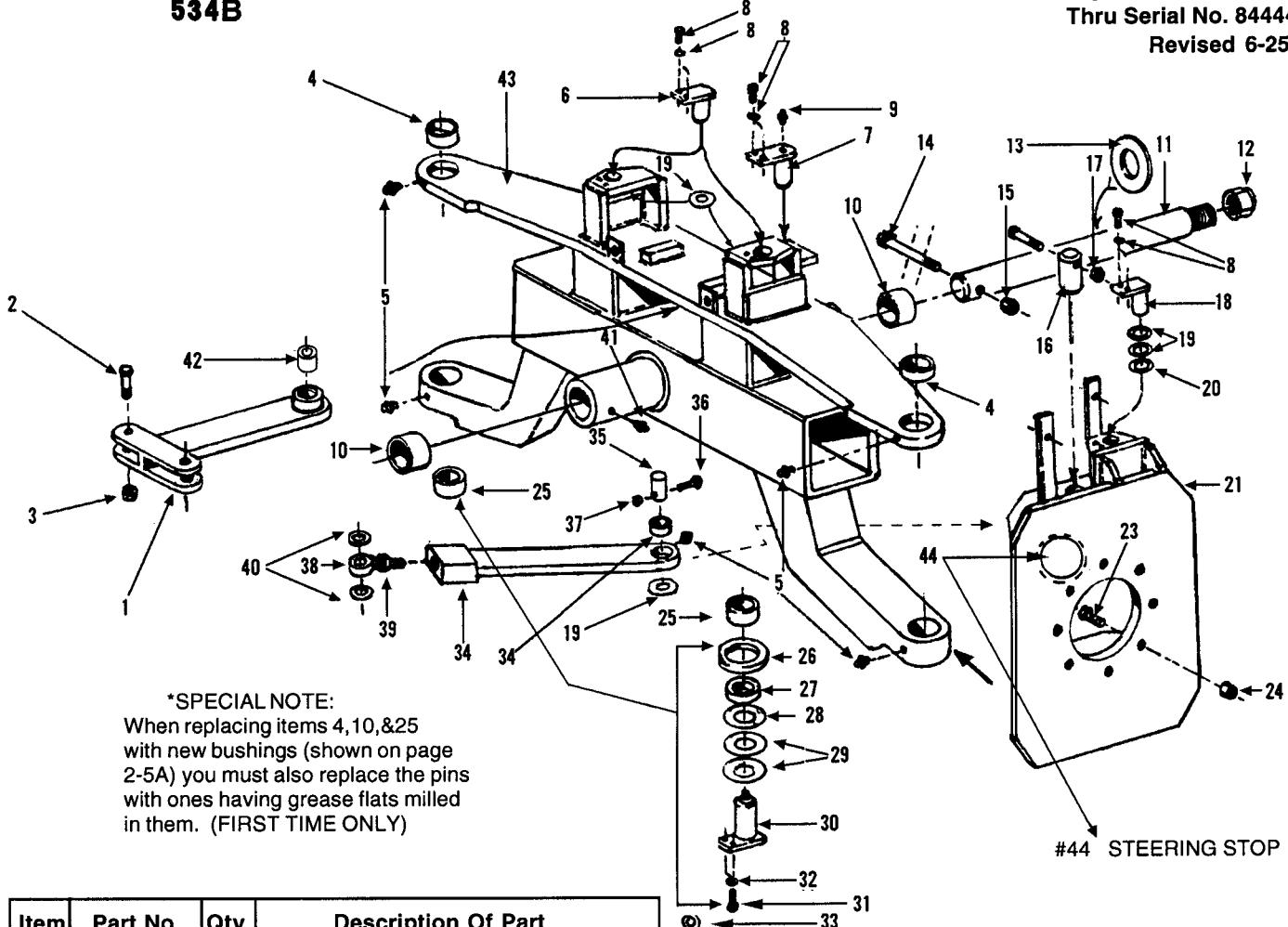


Item	Part No.	Qty.	Description Of Part
1	9020-6134	1	JUMPER WIRE
2	9103-4098	1	SWITCH (comes with heater)
3	9020-6133	1	JUMPER WIRE
4	9020-6131	1	CIRCUIT BREAKER
5	9020-5731 8820-1005	2 8	MOUNTING BRACKET HEX HD CAPSCREW 1/4-20x1 GR5
6	9020-0679	1	HEATER (includes item #2 switch)
7		1	HOSE, 5/8" I.D.
8	8871-1383	2	REDUCING BUSHING 1/2x3/8
9	8668-3193	4	CLAMP
10	2464-1328	2	SHUT-OFF VALVE
11		1	HOSE, 5/8" I.D.
12	8850-1004	4	HEX NUT, 1/4-20

NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.

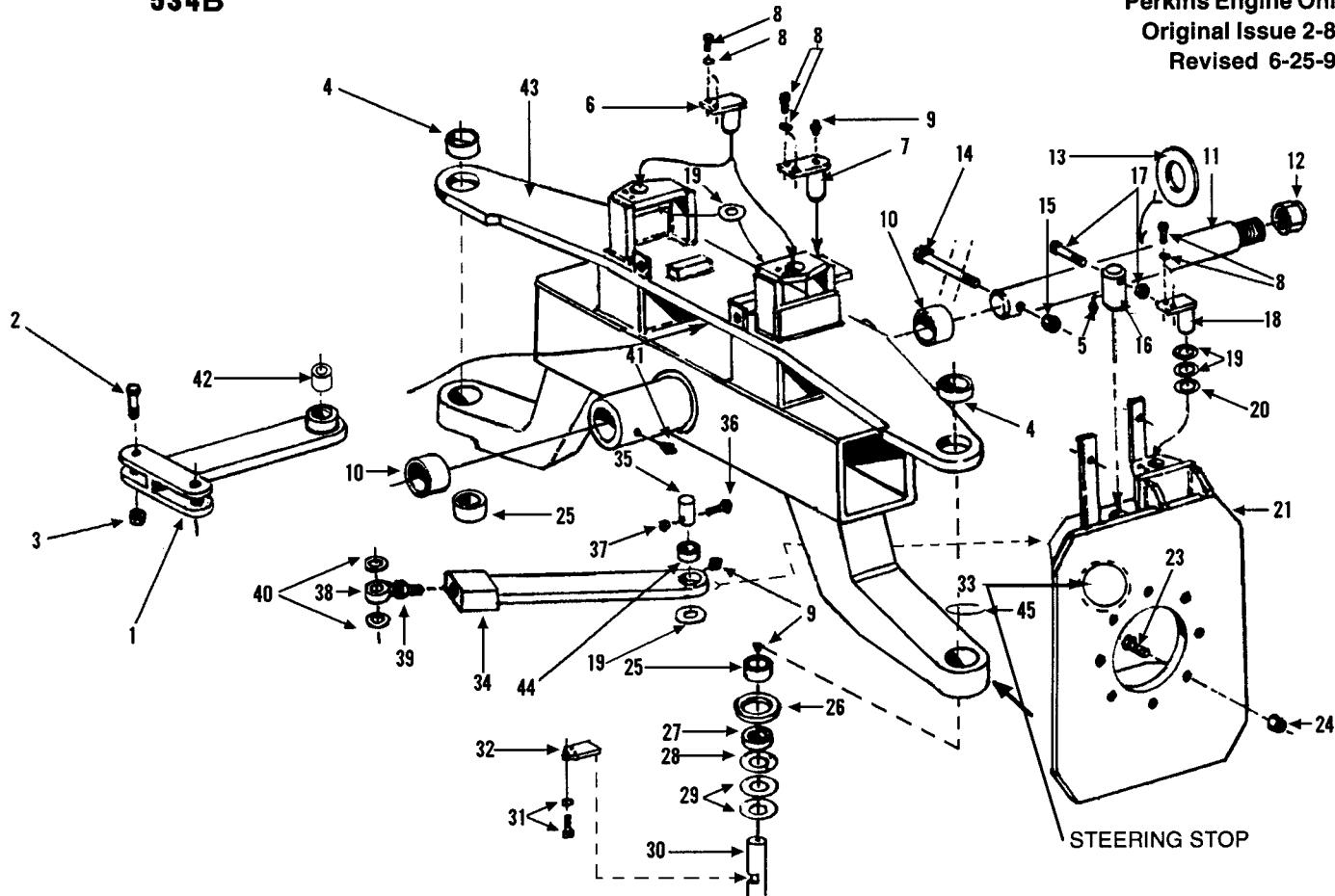


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9080-1303	1	FRONT AXLE CRADLE	9	9002-7475	8	WASHER
2	9020-6847	1	SWAY CYLINDER ROD PIN	10	8852-1216	8	HEX LOCKNUT 1-8
3	8820-1119	1	HEX HEAD CAPSCREW 3/4-10x4, GR5	11	9040-2850	1	FRAME PIN
4	8850-1012	1	HEX NUT 3/4-10	12	9103-1243	1	FRAME PIN (Starting serial no. 8544706
5	8867-1008	2	LUBE FITTING-STRAIGHT 1/4-28	13	8320-1031	1	HEX HEAD CAPSCREW 1-8x5, GR8
6	9020-5891	2	SPACER	14	8852-1016	1	HEX LOCKNUT 1-8
*7	9020-5489	2	BUSHING	15	9103-1096	2	BUSHING
8	9004-1002	8	HEX HEAD CAPSCREW 1-8x9-1/2		8867-1001	2	LUBE FITTING-STRAIGHT 1/8

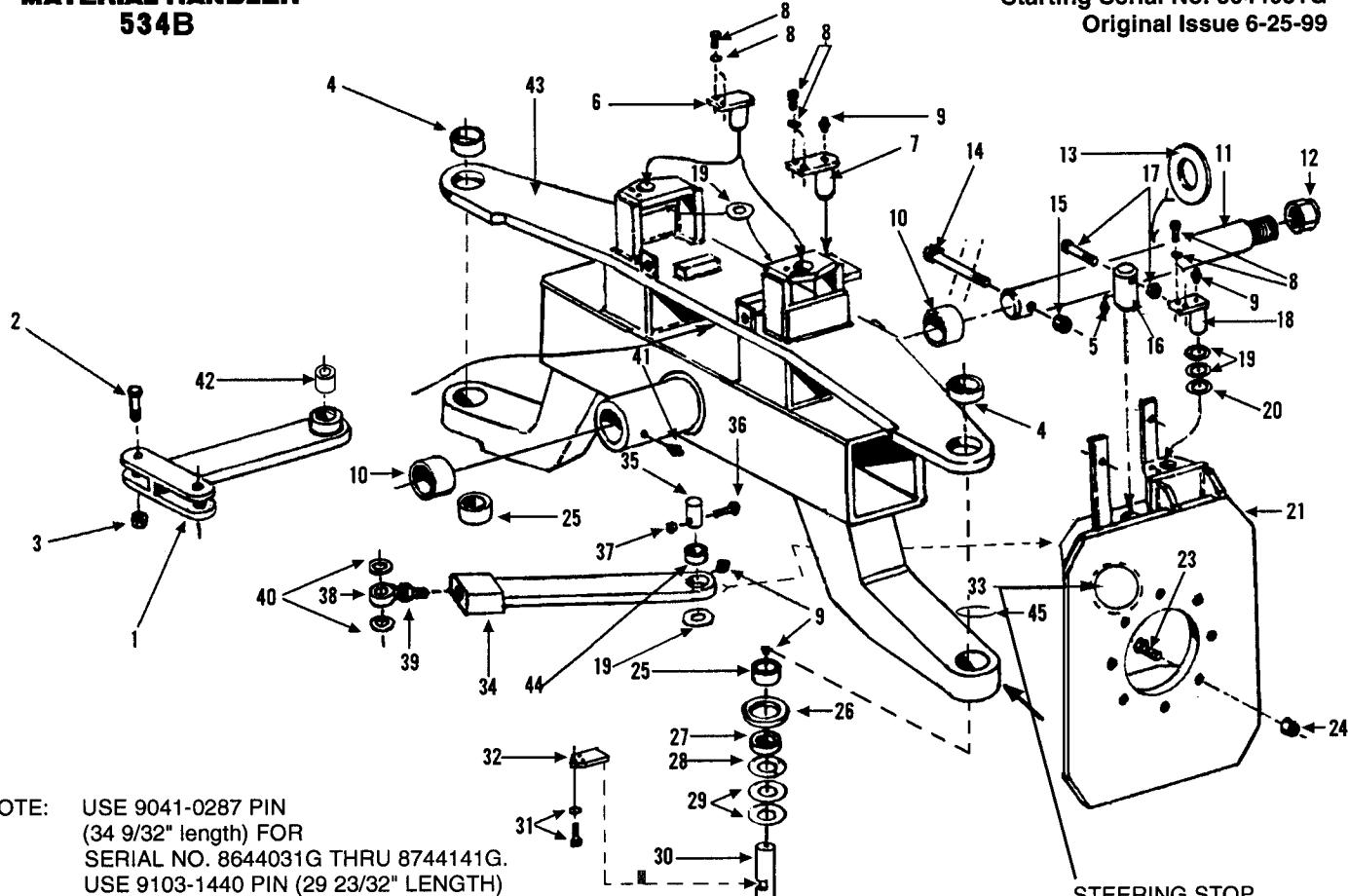


Item	Part No.	Qty.	Description Of Part
1	9060-2826	1	ARM, IDLER
2	8320-1074	2	CAPSCREW, HEX HEAD 1-8x4
3	8852-1216	2	NUT, 1-8
*4	9020-5462	2	BUSHING, UPPER FRAME
5	8867-1008	8	FITTING, GREASE
6	9020-7419	2	PIN, STEERING CYLINDER BASE
7	9020-6895	1	PIN, IDLER ARM MOUNT
8	8320-1011	10	CAPSCREW, 3/8-16x1
	9002-7470	10	WASHER, 3/8
9	8867-1022	2	FITTING, GREASE
*10	9020-5482	2	BUSHING
11	9040-3196	1	PIN, REAR AXLE TO FRAME USED UP TO SERIAL NO. 8344200L
	9041-0287	1	PIN, REAR AXLE TO FRAME STARTING SERIAL NO. 8444135
12	9002-2234	1	NUT, HEX SELF LOCKING
13	9020-6846	AR	SHIM, 1/8
	9103-1009	AR	SHIM, 1/16
14	9002-0247	1	CAPSCREW, 1-1/4-7x6
15	8510-1098	1	LOCK NUT, 1-1/4-7
	8856-1119	1	WASHER
16	9020-6897	2	PIN, STEERING KNUCKLE TO FRAME (UPPER)
17	8820-1077	2	CAPSCREW, 1/2-13x4
	8850-1008	2	NUT, HEX 1/2-13
18	9020-6895	2	PIN, STEERING CYLINDER
19	9020-3139	AR	SHIM, 1/16
20	9020-1918	2	BEARING, THRUST, 1/8
21	9080-1312	1	KNUCKLE, L.H. STEER (SHOWN)
22	9080-1311	1	KNUCKLE, R.H. STEER (NOT SHOWN)

Item	Part No.	Qty.	Description Of Part
23	8320-1062	16	BOLT, torque hub mount (grade 8)
	9002-7472	16	WASHER, hardened
24	8850-1110	16	NUT, 5/8-11
*25	9020-5465	2	BUSHING, LOWER FRAME
26	9020-7484	AR	FELT, 1/2
	9020-7485	AR	FELT, 1/4
27	9020-6542	2	BEARING, THRUST
28	9020-0253	2	WASHER, THRUST
29	9020-3039	AR	SHIM, 1/16
	9020-3040	AR	SHIM, 1/8
30	9020-6900	2	PIN, STEERING, KNUCKLE TO FRAME (LOWER)
31	8320-1026	4	CAPSCREW, 1/2-13x1-1/2
32	8540-1340	4	WASHER, 1/2
33	9020-3168	AR	WIRE, SAFETY LOCK 50 FT
34	9040-3184	2	ARM
	9020-6375	2	BUSHING
35	9020-6896	2	PIN
36	8820-1041	2	CAPSCREW, 3/8-16x2-1/2
37	8852-1306	2	NUT, HEX
38	9020-1902	2	BUSHING, SELF ALIGNING
39	8850-1420	2	NUT, LOCK 1-1/4-12
40	9020-5653	4	SHIM
41	8867-1001	2	FITTING, GREASE
42	9020-5340	1	BUSHING
43	9080-1306	1	AXLE, WELDMENT
	8820-1097	2	CAPSCREW, 5/8-11x2
	8850-1110	2	NUT, 5/8-11



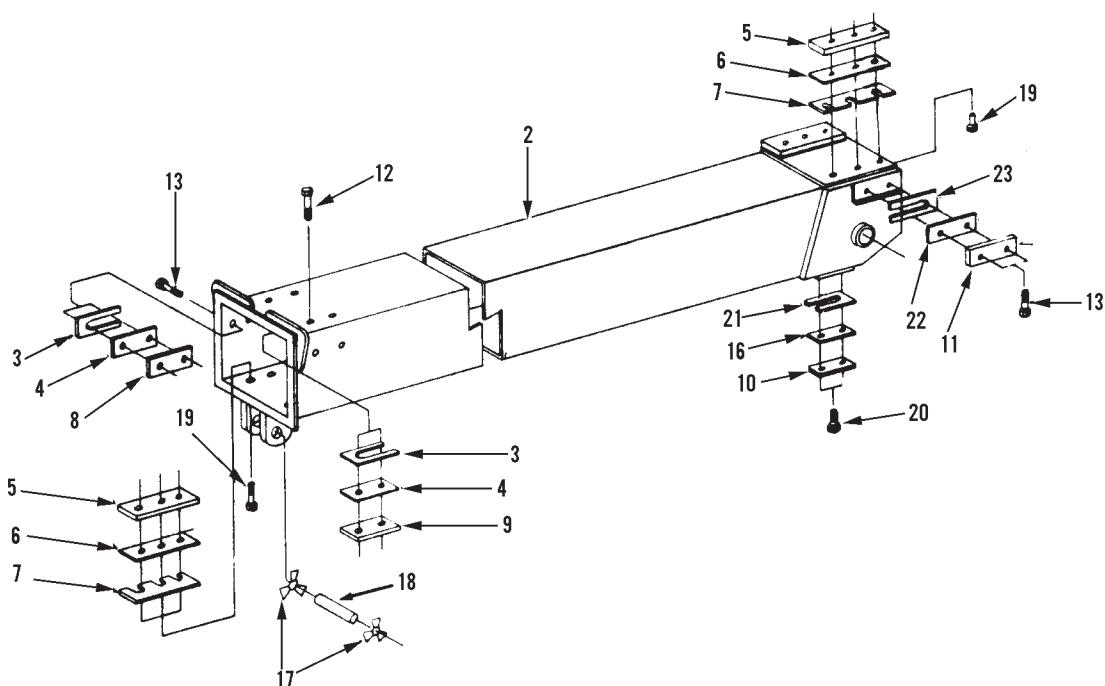
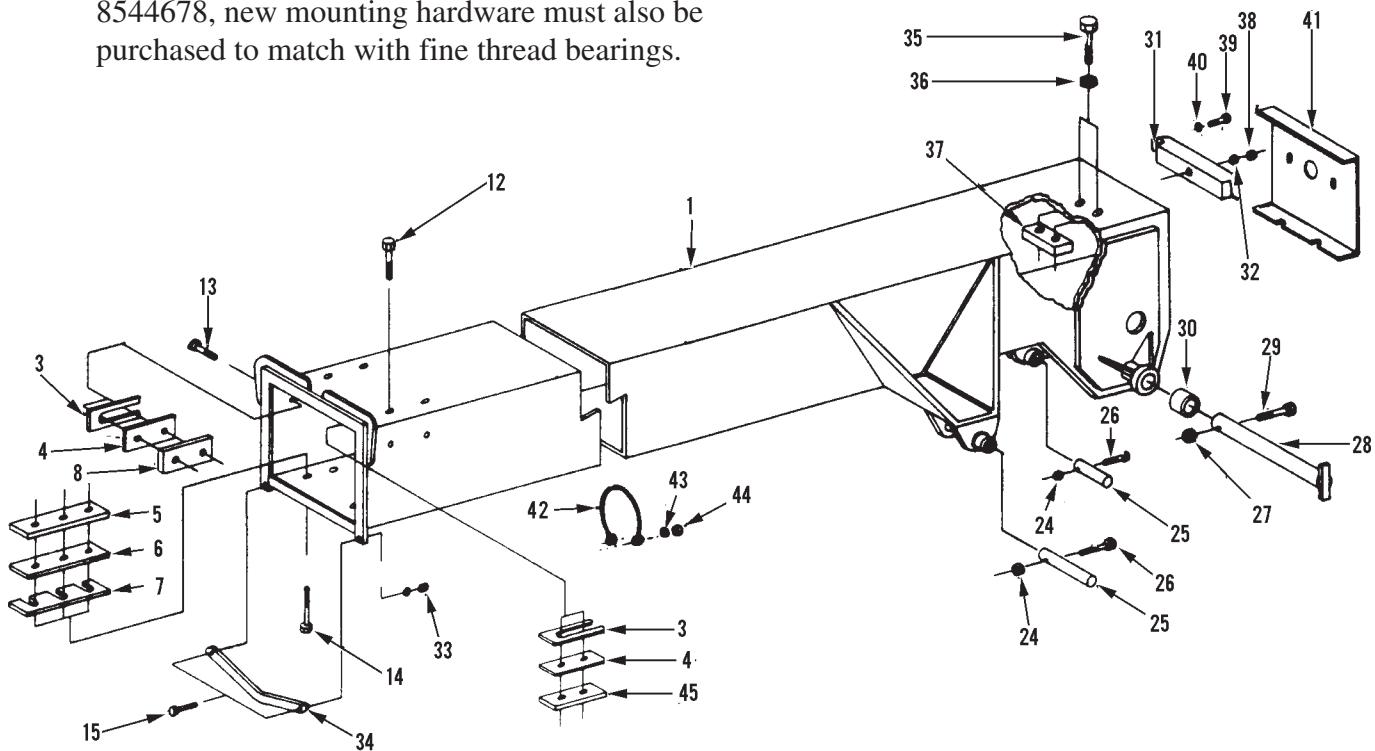
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-5128	1	AXLE REBUILD KIT (consists of items 4,6,7,10,16,18,20,25,28,29,30,32,35,40,42, 44)	23	8320-1062	16	CAPSCREW, (torque hub mount) GR8
	9103-5122	1	STEERING KNUCKLE KIT (consists of items 4,16,25 thru 30, & 32)	24	9002-7472	16	WASHER
1	9060-2826	1	IDLER ARM	25	8850-1110	16	HEX NUT, 5/8-11
2	8320-1040	2	HEX HD CAPSCREW, 1-8x4-1/4, GR8	26	9103-1391	2	BUSHING
3	8852-1316	2	HEX LOCKOUT, 1-8	27	9020-7484	AR	FELT, 1/2
4	9103-1374	2	BUSHING	28	9020-7485	AR	FELT, 1/4
5	8867-1001	4	LUBE FITTING- STRAIGHT 1/8	29	9020-6542	2	THRUST BEARING
6	9020-7419	2	PIN (steering cylinder base)	30	9020-0253	2	THRUST WASHER
7	9020-6895	1	PIN (idler arm mount)	31	9020-3039	AR	SHIM, 1/16
8	8320-1024	10	HEX HD CAPSCREW, 3/8-16x1,GR8	32	9020-3040	AR	SHIM, 1/8
9	8867-1022	12	LUBE FITTING-90 DEGREES 1/8	33	9103-1344	2	PIN (steering knuckle to frame)
10	9103-1369	2	BUSHING	34	8320-1129	6	HEX HD CAPSCREW, 1/2-13x1-1/4, GR8
11	9041-0287	1	PIN (rear axle to frame)	35	8540-1340	6	WASHER, 1/2
12	9002-2234	1	SELF LOCKING HEX NUT	36	9103-1345	2	KEY PLATE
13	9020-6846	AR	SHIM,1/8	37	8320-1102	2	HEX HD CAPSCREW, 5/8-11x2
	9103-1009	AR	SHIM, 1/16	38	8850-1110	2	HEX NUT, 5/8-11
14	9002-0247	1	HEX HD CAPSCREW, 1-1/4-7x6	39	9040-3184	2	ARM
15	8510-1098	1	HEX LOCKNUT, 1-1/4-7	40	9020-6896	2	PIN
16	8856-1119	1	FLAT WASHER, 1-1/4	41	8820-1041	2	HEX HD CAPSCREW, 3/8-16x2-1/2, GR5
17	9103-1340	2	PIN (steering, knuckle to frame)	42	8852-1306	2	HEX LOCKNUT, 3/8-16
18	8820-1077	2	HEX HD CAPSCREW, 1/2-13x4, GR5	43	9020-7842	2	SELF ALIGNING BUSHING
19	8850-1008	2	HEX NUT, 1/2-13	44	8850-1420	2	HEX LOCKNUT, 1-1/4-12
20	9020-6895	2	PIN (steering cylinder rod)	45	9020-5653	4	SHIM
21	9020-3139	AR	SHIM, 1/16		8867-1018	2	LUBE FITTING - 45 DEGREES, 1/8
22	9020-1918	2	THRUST BEARING, 1/8		9020-5340	1	BUSHING
	9080-1312	1	STEERING KNUCKLE (left)		9080-1306	1	AXLE WELDMENT
	9080-1311	1	STEERING KNUCKLE (right)		9103-1397	2	BUSHING
					8858-1144	2	RETAINING RING



NOTE: USE 9041-0287 PIN
(34 9/32" length) FOR
SERIAL NO. 8644031G THRU 8744141G.
USE 9103-1440 PIN (29 23/32" LENGTH)
STARTING SERIAL NO. 8744142G.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9106-5036	1	AXLE REBUILD KIT (consists of items 4,7,16,18,19,20,25 thru 30,32,35,40, 42,44)	23	8320-1062	16	CAPSCREW, (torque hub mount) GR8
	9103-5122	1	STEERING KNUCKLE KIT (consists of items 4,16,25 thru 30, & 32)	24	9902-7472	16	WASHER
1	9060-2826	1	IDLER ARM	25	8850-1110	16	HEX NUT, 5/8-11
2	8320-1040	2	HEX HD CAPSCREW, 1-8x4-1/4, GR8	26	9103-1391	2	BUSHING
3	8852-1316	2	HEX LOCKOUT, 1-8	27	9020-7484	AR	FELT, 1/2
4	9103-1374	2	BUSHING	28	9020-7485	AR	FELT, 1/4
5	8867-1001	4	LUBE FITTING- STRAIGHT 1/8	29	9020-6542	2	THRUST BEARING
6	9020-7419	2	PIN (steering cylinder base)	30	9020-0253	2	THRUST WASHER
7	9020-6895	1	PIN (idler arm mount)	31	9020-3039	AR	SHIM, 1/16
8	8320-1024	10	HEX HD CAPSCREW, 3/8-16x1,GR8	32	9103-1344	2	SHIM, 1/8
	9002-7470	10	WASHER, 3/8	33	9020-1129	6	PIN (steering knuckle to frame)
9	8867-1022	12	LUBE FITTING-90 DEGREES 1/8	34	8320-1129	6	HEX HD CAPSCREW, 1/2-13x1-1/4, GR8
10	9103-1369	2	BUSHING	35	8540-1340	6	WASHER, 1/2
11	SEE NOTE	1	REAR AXLE MOUNTING PIN	36	9103-1345	2	KEY PLATE
12	9002-2234	1	SELF LOCKING HEX NUT	37	8320-1102	2	HEX HD CAPSCREW, 5/8-11x2, GR8
13	9020-6846	AR	SHIM,1/8	38	8850-1110	2	HEX NUT, 5/8-11
	9103-1009	AR	SHIM, 1/16	39	9040-3184	2	ARM
14	9002-0247	1	HEX HD CAPSCREW, 1-1/4-7x6	40	9020-6896	2	PIN
15	8510-1098	1	LOCKNUT, 1-1/4-7	41	8820-1041	2	HEX HD CAPSCREW, 3/8-16x2-1/2, GR5
	8856-1119	1	FLAT WASHER, 1-1/4	42	8852-1306	2	HEX LOCKNUT, 3/8-16
16	9103-1340	2	PIN (steering, knuckle to frame)	43	9020-7842	2	SELF ALIGING BUSHING
17	8820-1077	2	HEX HD CAPSCREW, 1/2-13x4, GR5	44	8850-1420	2	HEX JAM NUT, 1-1/4-12
	8850-1008	2	HEX NUT, 1/2-13	45	9020-5653	4	SHIM
18	9103-6043	2	PIN (steering cylinder rod)	46	8867-1018	2	LUBE FITTING - 45 DEGREES, 1/8
19	9020-3139	AR	SHIM, 1/16	47	9020-5340	1	BUSHING
20	9020-1918	2	THRUST BEARING, 1/8	48	9080-1306	1	AXLE WELDMENT
21	9103-0003	1	STEERING KNUCKLE (left)	49	9103-1397	2	BUSHING
22	9103-0004	1	STEERING KNUCKLE (right)	50	8858-1144	2	RETAINING RING

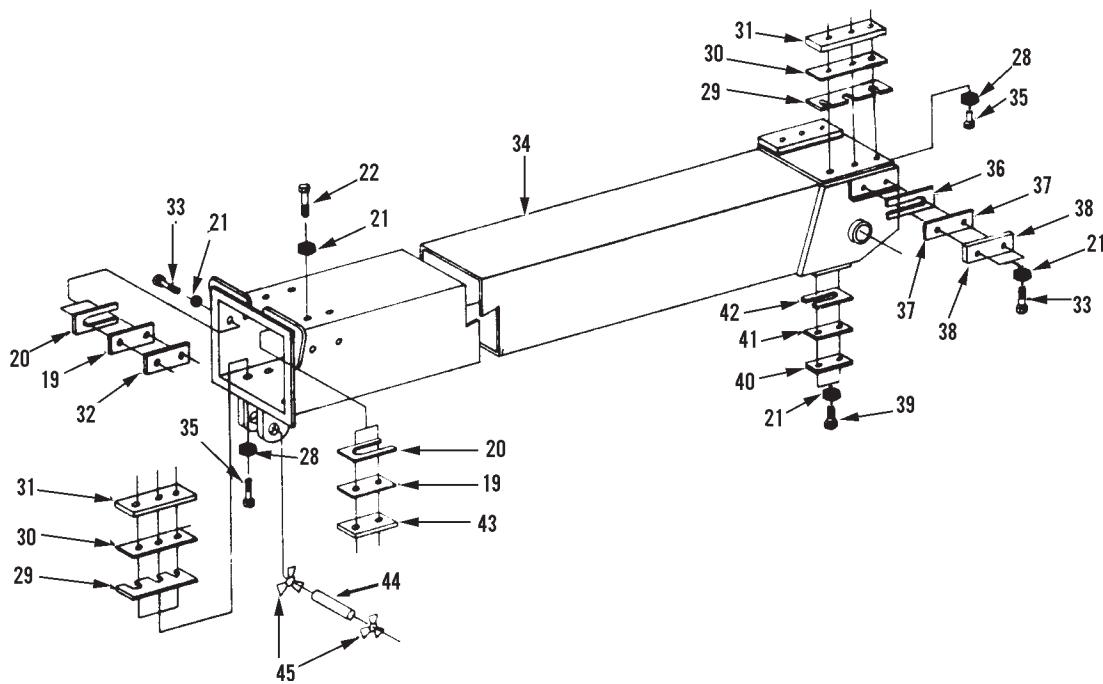
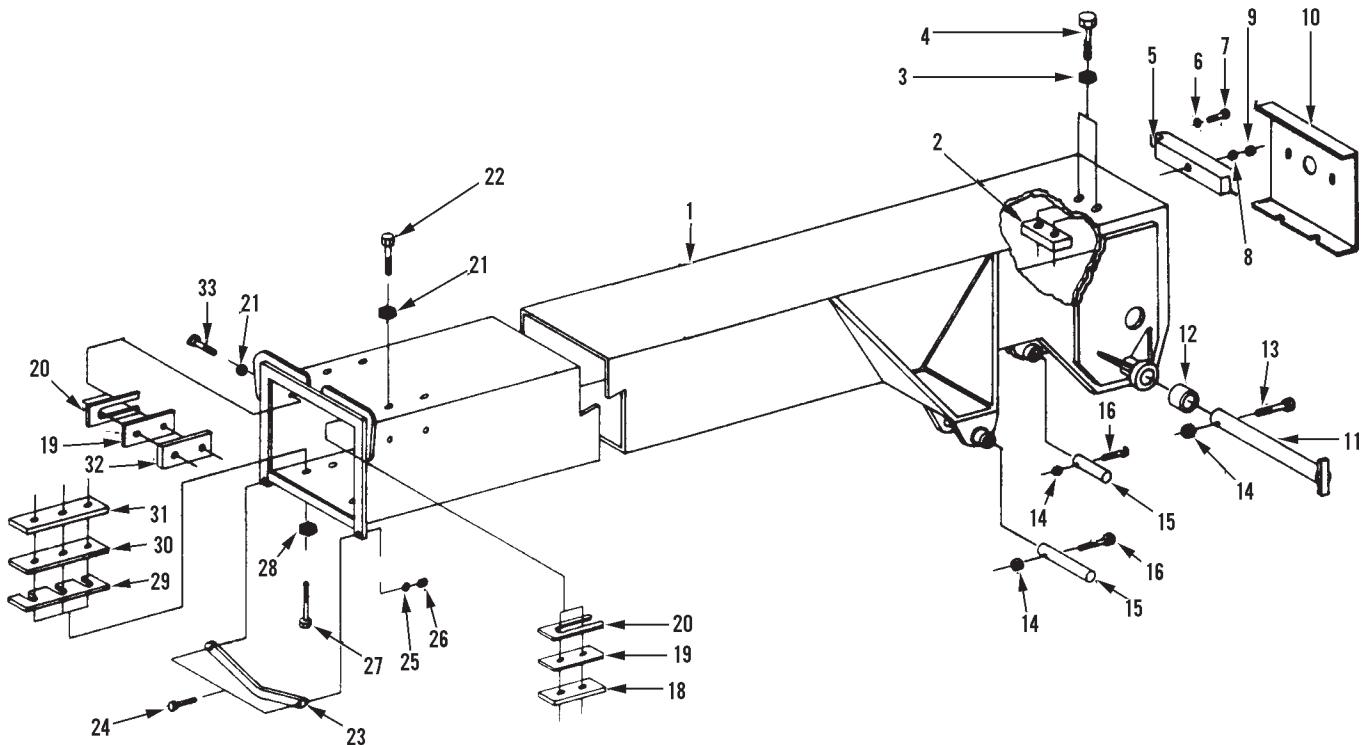
*NOTE: When ordering items no. 2,4,6,10,23, & 27 bearings for machines prior to S/N 8544678, new mounting hardware must also be purchased to match with fine thread bearings.



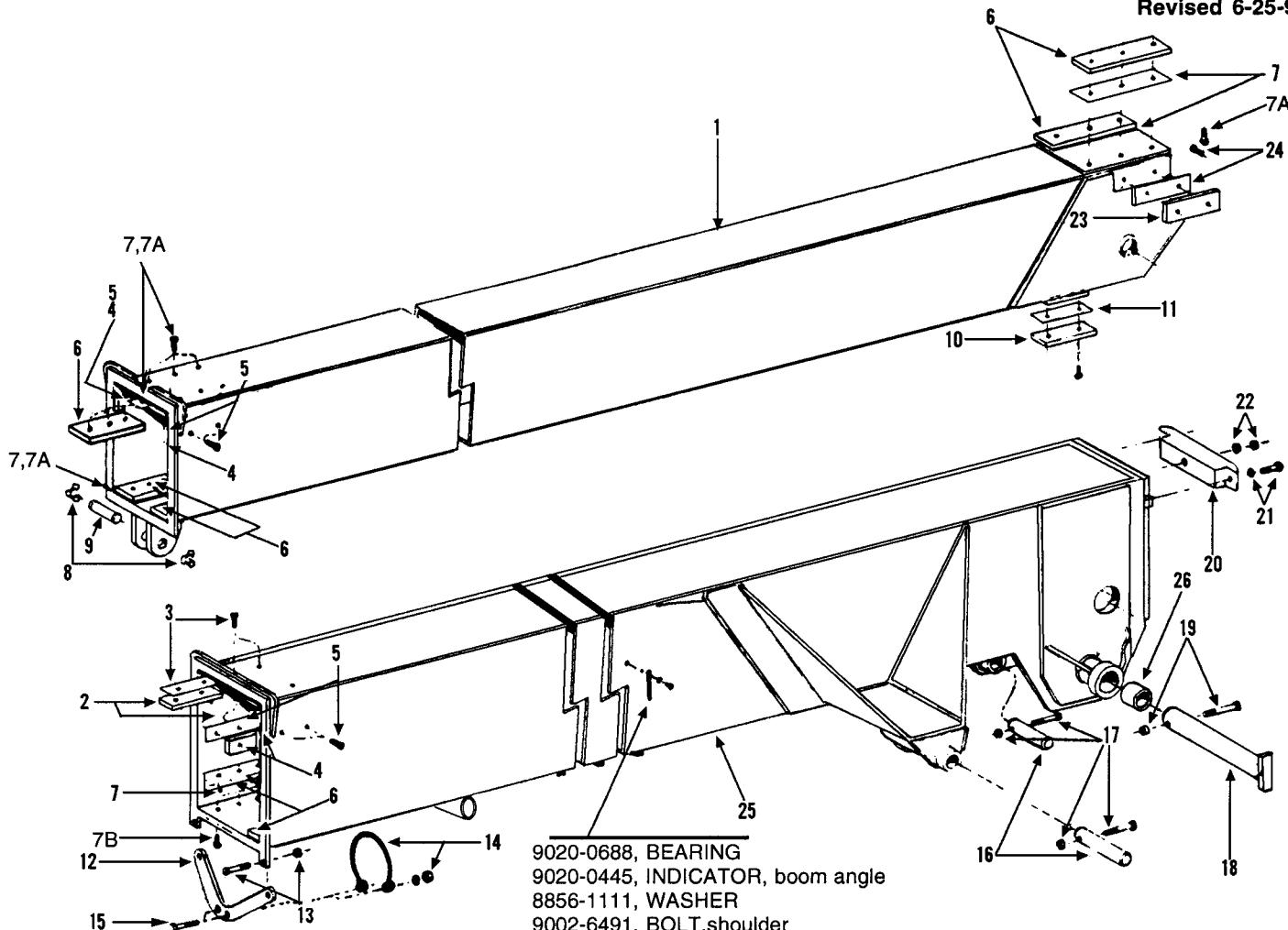
* Revised illustration and changed items 42 thru 45.

Item	Part No.	Qty.	Description Of Part
1	9103-6035	1	1ST BOOM SECTION (thru serial no. 8744141G)
*	9103-5148	1	1ST BOOM SECTION (starting serial no. 8744142G)
	9103-6070	1	BOOM WELDMENT
	9103-1384	2	BUSHING
2	9103-6036	1	2ND BOOM SECTION
3	9020-5870	12	SLOTTED SHIM
4	9103-1236	12	PUNCHED HOLE SHIM
5	9103-3190	6	BEARING
6	9103-1237	12	PUNCHED HOLE SHIM
7	9020-5497	12	SLOTTED SHIM
8	9103-3186	4	BEARING
9	9103-3189	2	BEARING
10	9103-3188	2	BEARING
11	9103-3184	2	BEARING
12	8820-1533	8	HEX HD CAPSCREW, 3/8-24x7/8 Gr5
13	8820-1532	12	HEX HD CAPSCREW, 3/8-24x3/4 Gr5
14	8820-1566	6	HEX HD CAPSCREW, 1/2-20x1-1/2 Gr5
15	8820-1067	2	HEX HD CAPSCREW, 1/2-13x1-1/2 Gr5
16	9103-1234	2	PUNCHED HOLE SHIM
17	9002-8935	2	SNAP RING
18	9020-7352	1	CROWD CYLINDER ROD PIN
19	8820-1563	12	HEX HD CAPSCREW, 1/2-20x7/8 Gr5
20	8820-1534	4	HEX HD CAPSCREW, 3/8-24x1, Gr5
21	9020-7029	2	SLOTTED SHIM
22	9103-1235	4	PUNCHED HOLE SHIM
23	9020-7030	4	SLOTTED SHIM
	9103-1383	2	SHIM
24	8850-1010	3	HEX NUT, 5/8-11
25	9020-6892	3	CROWD BASE & LIFT ROD PIN
26	8820-1105	3	HEX HD CAPSCREW, 5/8-11x4, Gr5
27	8850-1010	1	HEX NUT, 5/8-11
28	9040-3280	1	BOOM BASE PIN
29	8820-1106	1	HEX HD CAPSCREW, 5/8-11x4-1/2 Gr5
30	9103-1369	2	BUSHING
31	9060-2842	1	STRONGBACK
32	9002-8965	1	HEX NUT, 1-8
33	8850-1008	2	HEX NUT, 1/2-13
34	9040-3212	1	CROWD CYLINDER HANGER
35	8508-1016	2	CAPSCREW
36	0510-1441	2	HARDENED WASHER
37	9103-1163	1	STOP BAR
38	8850-1116	1	HEAVY HEX JAM NUT, 1-8
39	8820-1069	2	HEX HD CAPSCREW, 1/2-13x2, Gr5
40	8540-1340	2	WASHER
41	9040-3352	1	BOOM COVER
	8856-1109	4	FLAT WASHER, 3/8
	9020-3959	4	WING BOLT
42	9020-7575	1	TIE DOWN CORD
43	8856-1109	2	FLAT WASHER, 3/8
44	8850-1004	2	HEX NUT, 1/4-20
45	9103-3185	2	BEARING

*NOTE: For service replacement of 1st section boom on units with serial no. 8744142G thru 0144297J excluding machine 0144263J, provide 9103-5148 1st section boom, consisting of 9103-6070 weldment and two 9103-1384 bushings.



Item	Part No.	Qty.	Description Of Part
1	9103-6070	1	1st BOOM SECTION
2	9103-1163	1	STOP BAR
3	0510-1441	2	HARDENED WASHER
4	8320-1053	3	HEX HD CAPSCREW, 1-8x3, GR8
5	9060-2842	1	STRONGBACK
6	8540-1340	2	WASHER
7	8820-1069	2	HEX HD CAPSCREW, 1/2-13x2, GR5
8	9002-8965	1	HEX NUT, 1-8
9	8850-1116	1	HEAVY HEX JAM NUT, 1-8
10	9040-3352	1	BOOM END COVER
	8856-1109	4	FLAT WASHER, 3/8
	9020-3959	4	WING BOLT
11	9103-1389	1	BOOM BASE PIN
12	9103-1371	2	BUSHING
13	8348-1645	1	HEX HD CAPSCREW, 5/8-11x6, GR8
14	8852-1010	4	HEX LOCKNUT, 5/8-11
15	9020-6892	3	CROWD BASE & LIFT ROD PIN
16	8320-1044	3	HEX HD CAPSCREW, 5/8-11x4, GR8
* 17	Not Used		
18	9103-3185	2	BEARING PAD
19	9103-1236	12	PUNCHED HOLE SHIM
20	9020-5870	12	SLOTTED SHIM
21	8856-1109	48	FLAT WASHER, 3/8
22	8820-1533	8	HEX HD CAPSCREW, 3/8-24x7/8, GR5
23	9040-3212	1	CROWD CYLINDER HANGER
24	8820-1067	2	HEX HD CAPSCREW, 1/2-13x1-1/2, GR5
25	8855-1013	2	LOCKWASHER, 1/2
26	8850-1008	2	HEX NUT, 1/2-13
27	8820-1567	6	HEX HD CAPSCREW, 1/2-20x1-3/4, GR5
28	8856-1111	18	FLAT WASHER, 1/2
29	9020-5497	12	SLOTTED SHIM
30	9103-1237	12	PUNCHED HOLE SHIM
31	9103-3190	6	BEARING PAD
32	9103-3186	4	BEARING PAD
33	8820-1532	12	HEX HD CAPSCREW, 3/8-24x3/4, GR5
34	9103-6036	1	2ND BOOM SECTION
35	8820-1563	12	HEX HD CAPSCREW, 1/2-20x7/8, GR5
36	9020-7030	4	SLOTTED SHIM
37	9103-1235	4	PUNCHED HOLE SHIM
38	9103-3184	2	BEARING PAD
39	8820-1534	2	HEX HD CAPSCREW, 3/8-24x1, GR5
40	9103-3188	2	BEARING PAD
41	9103-1234	2	PUNCHED HOLE SHIM
42	9020-7029	2	SLOTTED SHIM
43	9103-3189	2	BEARING PAD
44	9020-7352	1	CROWD CYLINDER PIN
45	9002-8935	2	SNAP RING

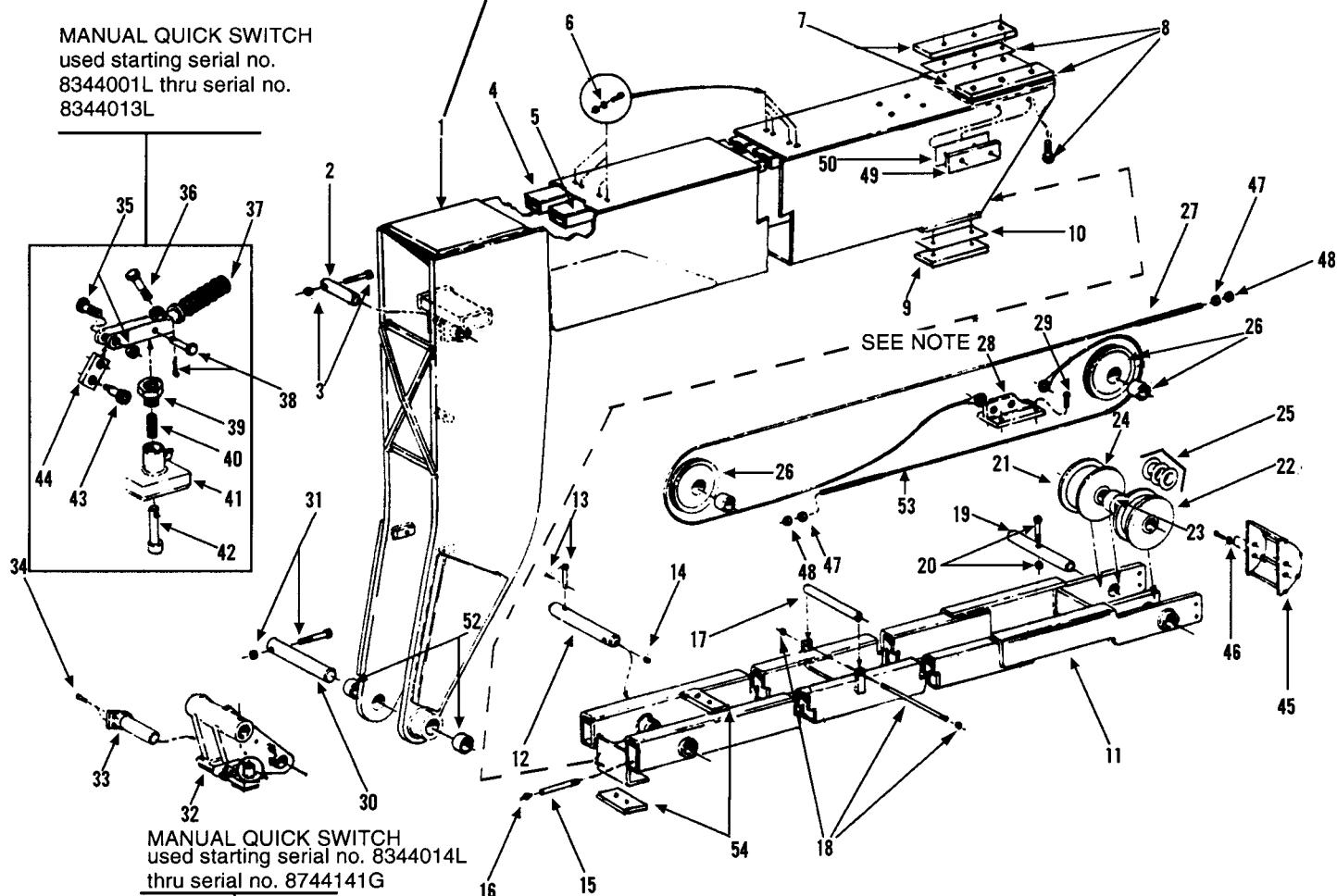


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-6036	1	2ND BOOM SECTION, 3S BOOM	16	9020-6892	3	CROWD BASE AND LIFT ROD PIN
2	9020-5298	2	BEARING	17	8820-1105	3	HEX HEAD CAPSCREW, 5/8-11x4
3	9020-5870	2	SHIM	18	8850-1010	3	HEX NUT, 5/8-11
4	8820-1035	4	HEX HD CAPSCREW 3/8-16x1	19	9040-3280	1	BOOM BASE PIN
4	9020-6238	4	FRONT SIDE BEARING	20	8867-1001	1	GREASE FITTING
5	9020-5870	AR	SHIM	21	8348-1182	1	HEX HD CAPSCREW, 5/8-11x5-1/4 GR8
5	8820-1033	8	HEX HD CAPSCREW, 3/8-16x3/4	22	8850-1010	1	HEX NUT, 5/8-11
6	9040-2801	8	BEARING	23	9060-2842	1	STRONGBACK
7	9020-5497	AR	SHIM	24	8820-1069	1	HEX HD CAPSCREW, 1/2-13x2
7A	8820-1064	18	HEX HD CAPSCREW, 3/8-16x7/8	25	8540-1340	2	WASHER
7B	8820-1068	6	HEX HD CAPSCREW, 3/8-16x1-3/4	26	9002-8965	1	HEX NUT, 1-8
	9020-3168	2	SAFETY WIRE FOR 9002-8963	27	8850-1116	1	HEX JAM NUT, 1-8
			CAPSCREW	28	9020-7027	2	BEARING
8	9002-8935	2	RETAINING RING	29	9020-7030	AR	SHIM
9	9020-7532	1	CROWD CYLINDER ROD END PIN	30	8820-1033	4	HEX HD CAPSCREW, 3/8-16x3/4
10	9020-6873	2	BEARING	31	9103-6035	1	1ST SECTION, 3S BOOM
11	9020-7029	AR	SHIM	32	9020-5482	2	BUSHING
	8820-1035	4	HEX HEAD CAPSCREW, 3/8-16x1	33	9103-1092	2	BUSHING, STARTING SERIAL 8444491 REPLACES 9020-5482 WHEN NEW STYLE PIN IS USED.
12	9040-3212	1	CROWD CYLINDER, HANGER				
13	8820-1067	2	HEX HD CAPSCREW, 1/2-13x1-1/2				
	8855-1013	2	LOCKWASHER, 1/2				
	8850-1008	2	HEX NUT, 1/2-13				
14	9020-7575	1	CYLINDER TIE DOWN CORD				
15	8820-1008	2	HEX HD CAPSCREW, 1/4-20x1-3/4				
	8856-1111	2	WASHER				
	8850-1004	2	HEX NUT, 1/4-20				

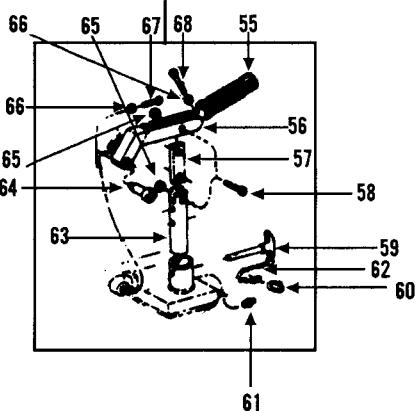
* Changed page number on second page of 3-1 from 3-1A to 3-1.

When ordering 3rd boom section
for machines built prior to serial
no. 8444184, item 28- 9103-6001
anchor also required for installation.

MANUAL QUICK SWITCH
used starting serial no.
8344001L thru serial no.
8344013L



MANUAL QUICK SWITCH
used starting serial no. 8344014L
thru serial no. 8744141G



NOTE:

*28 — 9060-2845-CABLE ANCHOR, 4-hole

used starting serial no. 8344001L
thru serial no. 8444183G requires
4-items 29's 8820-1032 bolts, 3/8-16x1-1/2"
for mounting

9103-6001-CABLE ANCHOR, 6-hole

used starting serial no. 8444184G
requires 6-items 29's 8320-1003 bolts,
5/8-11x1-3/4 for mounting.

This anchor required when ordering
items 1 for earlier serial numbered machines.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-6037	1	3RD BOOM SECTION	37	9020-6976	1	HANDLE GRIP
2	9020-6892	1	TILT CYLINDER BASE PIN	38	9002-1561	1	CLEVIS PIN
3	8820-1105	1	HEX HD CAPSCREW, 5/8-11x4, GR5	39	8863-1310	1	COTTER PIN 3/32x1
	8850-1010	1	HEX NUT, 5/8-11	40	9020-6983	1	SPRING RETAINER
4	9040-3350	1	HOSE SUPPORT WELDMENT	41	9020-6901	1	SPRING
5	9040-3203	1	HOSE SUPPORT WELDMENT	42	9020-7527	1	OIL CUP
6	8850-1005	12	HEX NUT, 5/16-18	43	8825-1036	1	PLUNGER
	8856-1108	12	FLAT WASHER, 5/16				SOCKET HD SHOULDER SCREW, 1/2x3/4(5/16-18 thread)
7	9103-3190	2	BEARING (top rear)	44	9020-6980	1	LINK
8	9020-5497	4	SLOTTED SHIM	45	9040-3384	1	CABLE AND HOSE RETAINER
	9103-1237	4	PUNCHED HOLE SHIM	46	8820-1033	4	HEX HD CAPSCREW, 3/8-16x3/4 GR5
	8820-1564	6	HEX HD CAPSCREW, 1/2-20x1, GR5		8856-1109	4	FLAT WASHER, 3/8
	8856-1111	6	FLAT WASHER, 1/2	47	9002-8965	2	NUT
9	9103-3184	2	BEARING (lower rear)	48	8850-1116	2	HEAVY HEX JAM NUT 1-8
10	9020-7030	4	SLOTTED SHIM	49	9103-3186	2	BEARING (side)
	9103-1235	4	PUNCHED HOLE SHIM	50	9020-5870	4	SLOTTED SHIM
	8820-1536	4	HEX HD CAPSCREW, 3/8-24X1-1/2, GR5		9103-1236	4	PUNCHED HOLE SHIM
	8856-1109	4	FLAT WASHER, 3/8	51	8820-1532	4	HEX HD CAPSCREW, 3/8-24x3/4 GR5
11	9080-1349	1	PUSH BEAM		8856-1109	4	FLAT WASHER, 3/8
12	9020-7621	1	PIN	52	9103-1136	2	BUSHING
13	9002-1608	1	CLEVIS PIN	53	9020-6887	1	RETRACT CABLE (includes pin)
	8863-1310	1	COTTER PIN 3/32x1	54	9103-3187	2	BEARING
14	8871-1284	1	HEX SOCKET PIPE PLUG, 3/4		9103-1111	4	SLOTTED SHIM
15	8870-1035	1	NIPPLE, 1/8x12	54A	8820-1533	2	HEX HD CAPSCREW, 3/8-24x7/8 GR5
16	9002-8740	1	GREASE FITTING	54B	8820-1532	2	HEX HD CAPSCREW, 3/8-24x3/4 GR5
17	9020-7215	1	ROLLER (not required after serial no. 8444459)		8856-1109	4	FLAT WASHER, 3/8
18	9020-7302	1	STUD	55	9020-6976	1	HANDLE GRIP
	8852-1305	2	HEX LOCKNUT 5/16-18	56	9060-2906	1	HANDLE WELDMENT
19	9020-7710	1	PIN	57	9020-7894	1	LINK
20	8820-1045	1	HEX HD CAPSCREW, 3/8-16x3-1/2, GR5	58	8820-1038	2	HEX HD CAPSCREW, 3/8-16x1-3/4 GR5
	8850-1106	1	HEAVY HEX JAM NUT, 3/8-16	59	9020-7902	1	RELEASE PIN
21	9104-3101	1	SHEAVE	60	9103-3039	1	CONNECTION LINK
22	9104-3100	1	SHEAVE	61	8867-1008	1	LUBE FITTING- STRAIGHT 1/4-28
23	9020-6046	4	BUSHING	62	9020-3288	1	CHAIN
24	9020-7043	1	SPACER (if item 21 is not used)	63	9040-3441	1	PLUNGER
25	9020-0253	AR	SHIM	64	8825-1037	1	SOCKET HD SHOULDER SCREW, 1/2x1 (3/8-16 thread)
	9020-3039	AR	SHIM	66	8850-1104	2	HEAVY HEX JAM NUT, 1/4-20
	9020-3040	AR	SHIM	67	8820-1003	1	HEX HD CAPSCREW, 1/4-20x3/4 GR5
26	9103-5147	2	SHEAVE ASSEMBLY (includes sheave and bushing)	68	8820-1007	1	HEX HD CAPSCREW, 1/4-20x1-1/2 GR5
	9103-1373	2	CABLE SHEAVE				
	9103-1374	2	BUSHING				
27	9020-6886	1	EXTEND CABLE (includes pins)				
28		1	*SEE NOTE				
29		-	SEE NOTE FOR ITEM 28				
30	9104-1365	1	PIN (boom to male coupler)				
31	8820-1107	1	HEX HD CAPSCREW, 5/8-11x5, GR5				
	8852-1310	1	HEX LOCKNUT, 5/8-11				
32	9060-2838	1	MALER COUPLER				
33	9020-7046	1	TILT CYLINDER ROD PIN				
34	8820-1065	2	HEX HD CAPSCREW, 1/2-13x1, GR5				
35	8820-1069	1	HEX HD CAPSCREW, 1/2-13x2, GR5				
	8852-1308	1	HEX LOCKNUT, 1/2-13				
36	9040-3232	1	HANDLE ASSEMBLY				
	8820-1068	1	HEX HD CAPSCREW, 1/2-13x1-3/4, GR5				

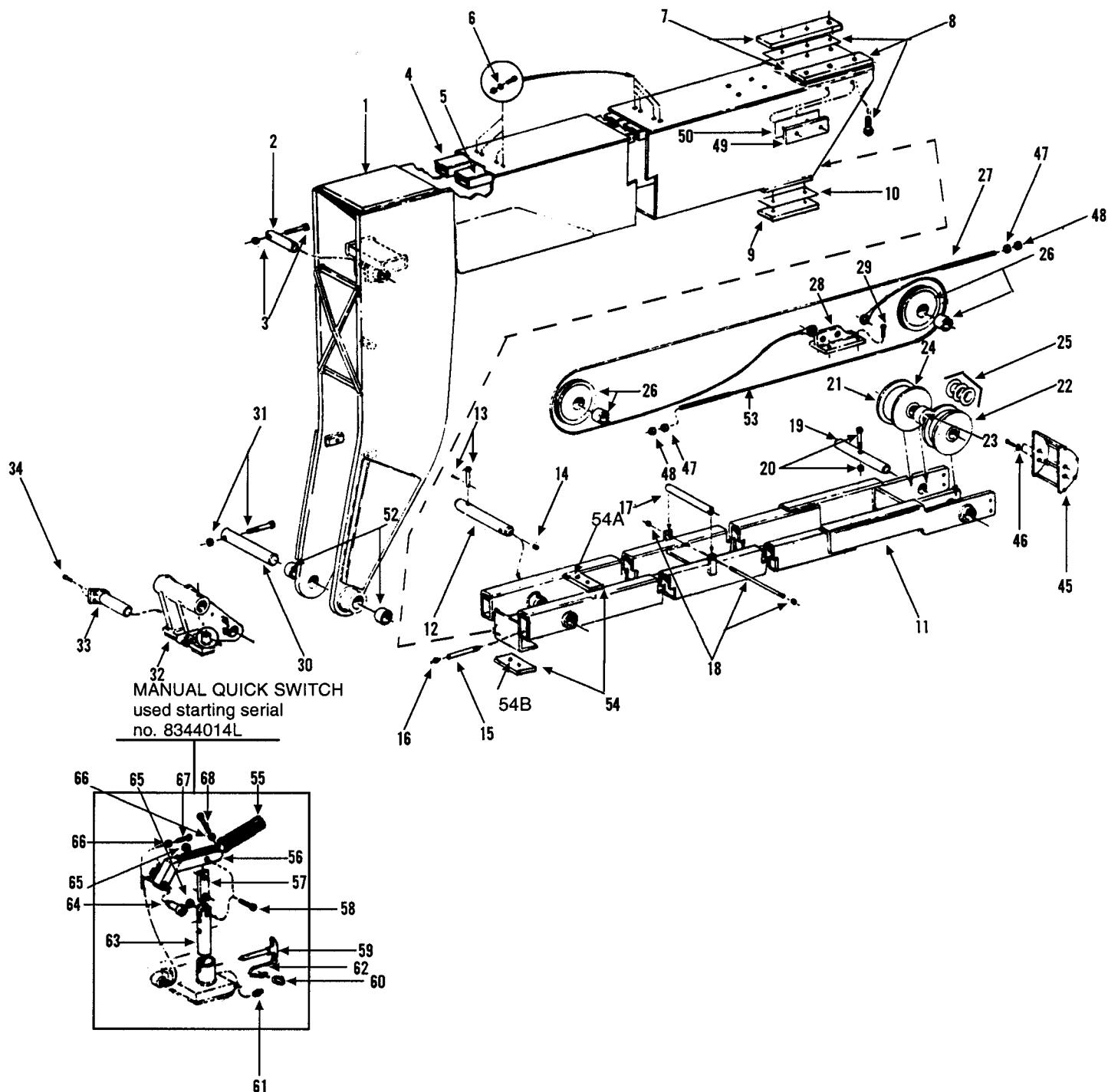
*NOTE: When ordering items no. 7,9,49 & 54, bearings for machines prior to S/N 8544678, new mounting hardware must also be purchased to match with fine thread bearings.

NOTE:
*28 — 9060-2845-CABLE ANCHOR, 4-hole

used starting serial no. 8344001L thru serial no. 8444183G requires 4-items 29's 8820-1032 bolts, 3/8-16x1-1/2" for mounting

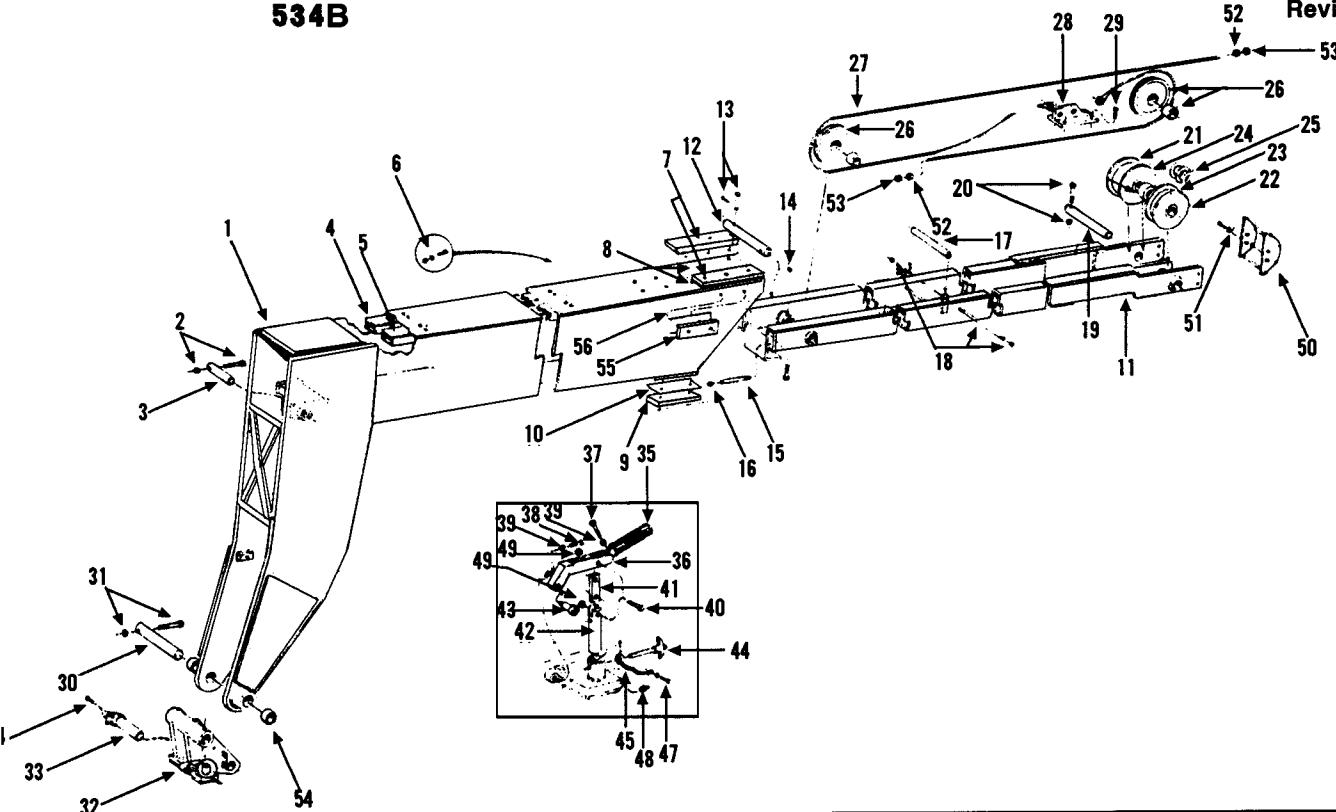
9103-6001-CABLE ANCHOR, 6-hole

used starting serial no. 8444184G requires 6-items 29's 8320-1003 bolts, 5/8-11x1-3/4 for mounting.
This anchor required when ordering item 1 for earlier serial numbered machines.



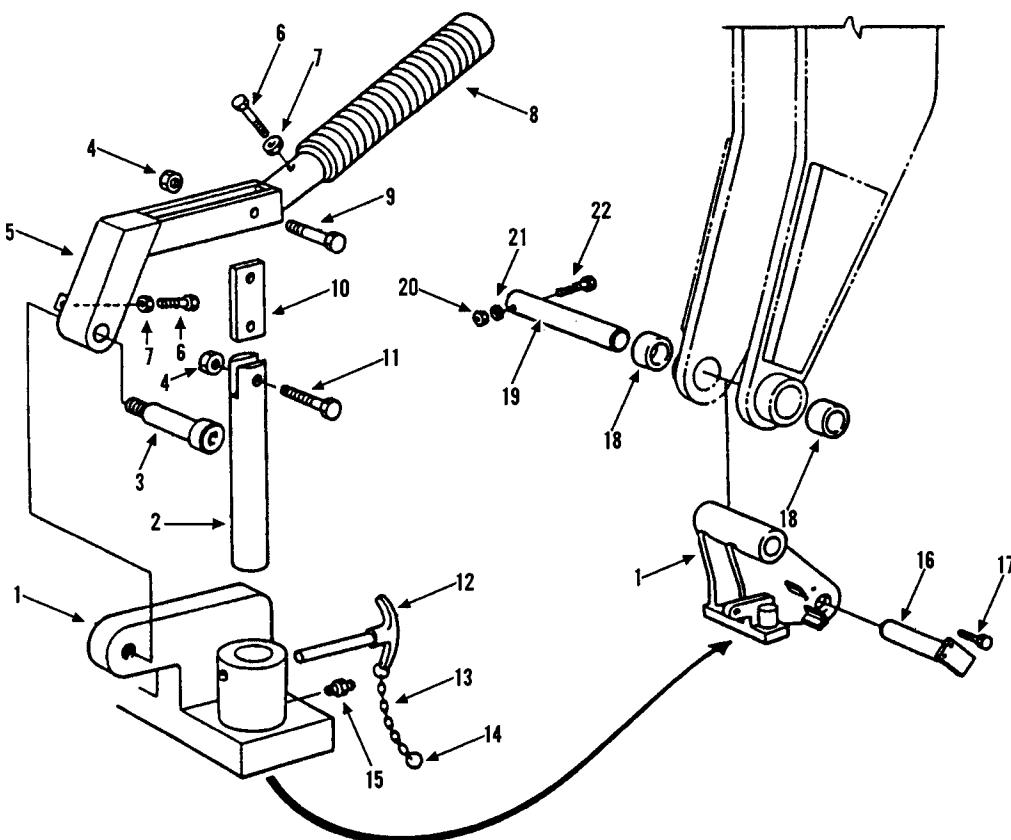
Item	Part No.	Qty.	Description Of Part
1	9103-6037	1	3RD SECTION 3S BOOM
2	9020-6892	1	TILT CYLINDER BASE END PIN
3	8820-1105	1	5/8-11x4 HEX HD CAPSCREW
	8852-1310	1	5/8-11 LOCKNUT
* 4	9040-3050	1	HOSE SUPPORT WELDMENT
5	9040-3203	1	HOSE SUPPORT WELDMENT
6	7714-3006	6	5/16-18 WHIZ LOCK NUT
7	9103-3190	2	BEARING, top tear
8	9020-5497	4	SHIM, slotted
	9103-1237	4	SHIM, punched holes
	8820-1564	6	BOLT, 1/2x20-1"
	9002-1470	6	BEARING, tooth lock
9	9103-3184	2	BEARING, lower rear
10	9020-7030	4	SHIM, slotted
	9103-1235	4	SHIM, punched hole
	8820-1536	4	BOLT, 3/8-24x1 1/2
	9002-1469	4	WASHER, tooth lock
11	9080-1349	1	PUSH BEAM
12	9020-7621	1	FRONT PIN
13	9002-1608	1	CLEVIS PIN
	8863-1310	1	COTTER PIN
14	8871-1284	1	PLUG
15	9002-8941	1	GREASE TUBE
16	9002-8740	1	GREASE FITTING
	8852-1305	2	5/16-18 HEX NUT
19	9020-7710	1	REAR PIN
20	8820-1045	1	3/8-16x3-1/2 HEX HD CAPSCREW
	8850-1106	1	3/8-16 HEX JAM NUT
21	9060-2852	1	SHEAVE
22	9060-2830	1	SHEAVE
23	9020-6046	4	BUSHING
24	9020-7043	1	SPACER (IF ITEM 21, SHEAVE, IS NOT USED)
25	9020-0253	AR	WASHER
	9020-3039	AR	THRUST WASHER
	9020-3040	AR	THRUST WASHER
26	9040-3182	2	CABLE SHEAVE
	9020-5407	2	BUSHING
27	9020-6886	1	EXTEND CABLE (INCLUDES PINS)
28	9103-6001	1	CABLE ANCHOR
29	8320-1022		5/8-11x2-1/4 BOLT
	7714-1077	6	FLATWASHER
30	9020-7042	1	BOOM TO MALE COUPLER PIN
31	8820-1107	1	5/8-11x5 HEX HD CAPSCREW
	8852-1310	1	5/8-11 HEX NUT
32	9060-2838	1	MALE COUPLER
33	9020-7046	1	TILT CYLINDER ROD END PIN
34	8820-1065	2	1/2-13x1 HEX HD CAPSCREW
45	9040-3384	1	CABLE AND HOSE RETAINER
46	8820-1033	4	3/8-16x3/4 HEX HD CAPSCREW
	8856-1109	4	WASHER
	8855-1011	4	LOCKWASHER
47	9002-8965	2	NUT
48	8850-1116	2	7/8-9 NUT

Item	Part No.	Qty.	Description Of Part
49	9103-3186	2	BEARING, side
50	9020-5870	4	SHIM, slotted
	9103-1236	4	SHIM, punched holes
51	8820-1532	4	BOLT, 3/8-24x3/4 (not shown-items 49)
	9002-1469	4	WASHERS, tooth lock
52	9020-5475	2	BUSHING
53	9020-6887	1	RETRACT CABLE, includes pin
54	9103-3187	2	BEARING
	9103-1111	4	SHIM, slotted
	9103-1233	4	SHIM, punched holes
54A	8820-1533	2	BOLT, 3/8-24x7/8
54B	8820-1532	2	BOLT, 3/8-24x3/4
	9002-1469	4	WASHERS, tooth lock
55	9020-6976	1	HANDLE GRIP
56	9060-2906	1	HANDLE WELDMENT
57	9020-7894	1	LINK
58	8820-1038	2	3/8-16x1-3/4 HEX HD CAPSCREW
59	9020-7902	1	RELEASE PIN
60	9103-3039	1	CONNECTION LINK
61	8867-1008	1	GREASE FITTING
62	9020-3288	1	CHAIN
63	9040-3441	1	PLUNGER
64	8825-1037	1	SHOULDER BOLT
65	8852-1306	2	3/8-16 LOCKNUT
66	8850-1104	2	1/4-20 LOCKNUT
67	8820-1003	1	1/4-20x3/4 HEX HD CAPSCREW
68	8820-1007	1	1/4-20x1-1/2 HEX HD CAPSCREW

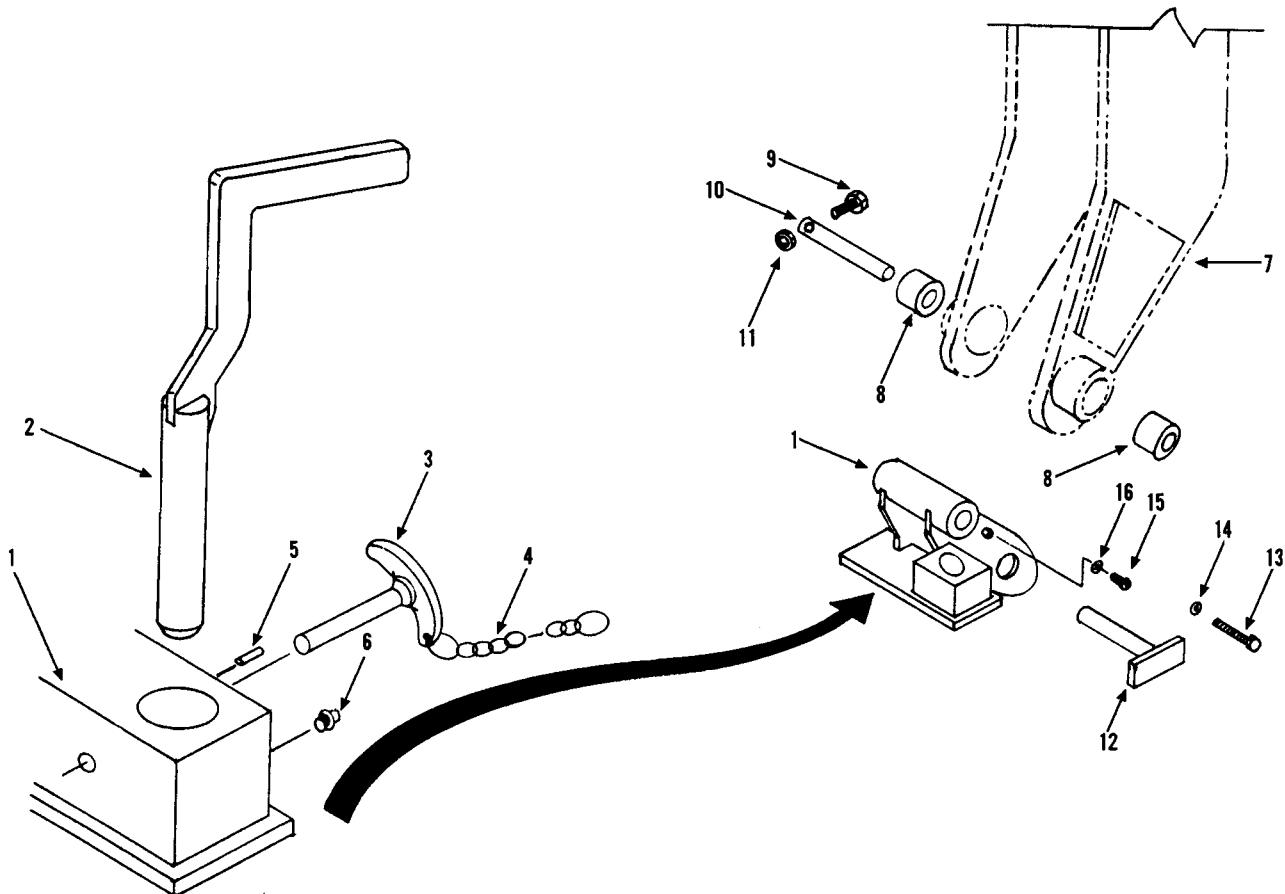


Item	Part No.	Qty.	Description Of Part
1	9080-1296	1	3S BOOM, 3rd section
2	9020-6892	1	PIN, tilt cylinder base end
3	9002-0199	1	CAPSCREW, hex hd 5/8-11x4
	9002-1101	1	NUT, hex 5/8-11
4	9040-3350	1	TUBE, auxiliary hose
5	9040-3203	1	TUBE, tilt hose
6	9002-1095	12	NUT, hex 5/16-18
	9002-1455	12	WASHER
7	9040-2801	2	BEARING, rear top
8	9020-5497	AR	SHIM (use as required)
	9020-3167	6	BOLT, special
9	9020-7027	2	BEARING, rear lower
10	9020-7029	2	SHIM
	9020-0007	4	CAPSCREW, hex hd 3/8-16x1
11	9080-1349	1	BEAM, push
12	9020-7621	1	PIN, front
13	9020-1608	1	PIN, clevis
14	9002-7264	1	PLUG
15	9002-8941	1	GREASE TUBE
16	9002-8740	1	FITTING, grease
17	9020-7215	1	ROLLER, hose support
18	9020-7302	1	STUD
	9002-2224	2	NUT, hex 5/16-18
19	9020-7710	1	PIN, rear
20	9002-0085	1	CAPSCREW, hex hd 3/8-16x3-1/2
	9002-1117	1	NUT, hex jam 3/8-16
21	9060-2852	1	SHEAVE
22	9060-2830	1	SHEAVE
23	9020-6046	4	BUSHING
24	9020-7043	1	SPACER, if item 21 is not used
25	9020-0253	AR	SHIM
	9020-3039	AR	SHIM
	9020-3040	AR	SHIM
26	9040-3182	2	CABLE SHEAVE
	9020-5407	2	NEEDLE BEARING

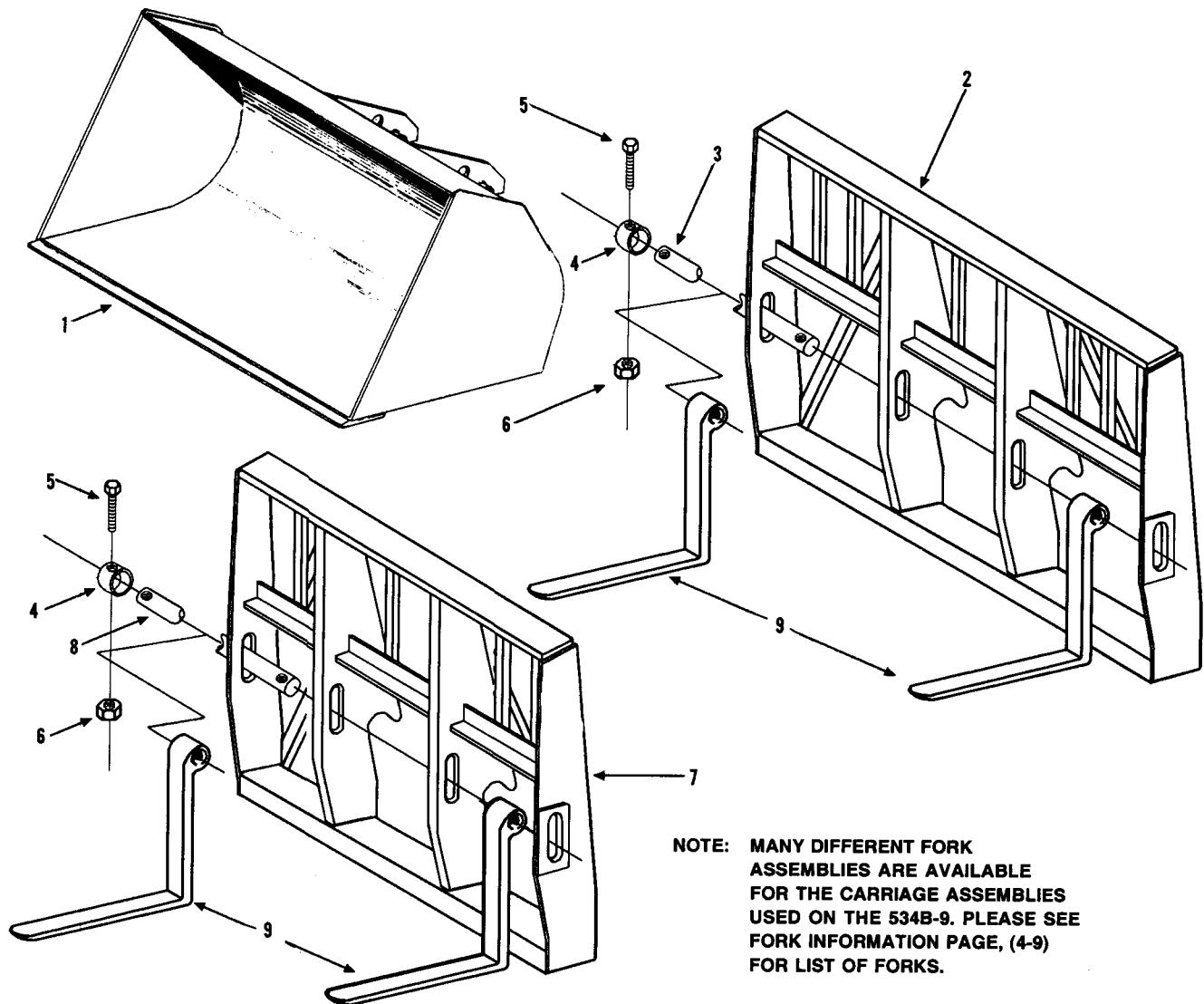
Item	Part No.	Qty.	Description Of Part
27	9020-6886	1	CABLE, includes pins
28	9060-2845	1	ANCHOR, cable
29	9002-0121	4	CAPSCREW, hex hd 3/8-16x1 1/2
30	9020-7042	1	PIN, boom to male coupler
31	9002-0219	1	CAPSCREW, hex head 5/8-11x5
	9002-1101	1	NUT, hex 5/8-11
32	9060-2838	1	COUPLER, male
33	9020-7046	1	PIN, tilt cylinder rod end
34	9002-9976	2	CAPSCREW, hex hd 1/2-13x1
35	9020-6976	1	GRIP, handle
36	9060-2906	1	HANDLE
37	9002-0017	1	CAPSCREW, hex hd 1/4-20x1 1/2
38	9002-0009	1	CAPSCREW, hex hd 1/4-20x1 1/4
39	9002-1113	2	NUT, 1/4-20
40	9002-0021	2	CAPSCREW, hex hd 3/8-16x1 1/2
41	9020-7894	1	LINK
42	9040-3441	1	PLUNGER
43	9002-6523	1	BOLT, shoulder
44	9020-7902	1	HANDLE
45	9020-3288	1	WELDMENT, chain
47	9002-9976	1	CAPSCREW, hex hd 1/2-13x1
	9002-7471	1	WASHER, 1/2
48	9002-2218	1	FITTING, grease
49	9002-2225	2	NUT, 3/8-16
50	9040-3384	1	RETAINER, cable and hose
51	9002-6019	4	CAPSCREW, hex hd 3/8-16x3/4
	9002-1456	4	WASHER, 3/8
52	9002-8965	2	NUT, cable end
53	9002-1203	2	NUT, cable end jam
54	9020-5475	2	BUSHING
55	9020-6238	2	BEARING, top side
56	9020-5870	AR	SHIM
	9002-6019	4	BOLT, 3/8-16x3/4



Item	Part No.	Qty.	Description Of Part
	9104-5006	1	QUICK SWITCH ASSY (includes all items except items 16 thru 22)
1	9104-6027	1	QUICK SWITCH WELDMENT
2	9104-1091	1	PLUNGER
3	8825-1037	1	SOCKET HD SHOULDER SCREW, 1/2x1 (3/8-16 THREAD)
4	8852-1306	2	HEX LOCKNUT, 3/8-16
5	9060-2906	1	HANDLE WELDMENT
6	8820-1005	2	HEX HD CAPSCREW, 1/4-20x1, GR5
7	8850-1104	2	HEX NUT, 1/4-20
8	9020-6976	1	HANDLE GRIP
9	8820-1037	1	HEX HD CAPSCREW, 3/8-16x1-1/2, GR5
10	9020-7894	1	LINK
11	8820-1038	1	HEX HD CAPSCREW, 3/8-16x1-3/4, GR5
12	9020-7902	1	QUICK RELEASE PIN
13	9103-3038	1	JACK CHAIN, 8" LONG, SIZE 12
14	9103-3039	1	CHAIN CONNECTION
15	8867-1008	1	LUBE FITTING, STRAIGHT, 1/4-28
16	9020-7046	1	TIILT CYLINDER ROD END PIN
17	8820-1065	2	HEX HD CAPSCREW, 1/2-13x1, GR5
18	9103-1136	2	BUSHING
19	9104-1365	1	HEAD PIN
20	8852-1010	1	HEX LOCKNUT, 5/8-11
21	8855-1013	2	LOCKWASHER, 1/2
22	8664-1057	1	HEX HD CAPSCREW

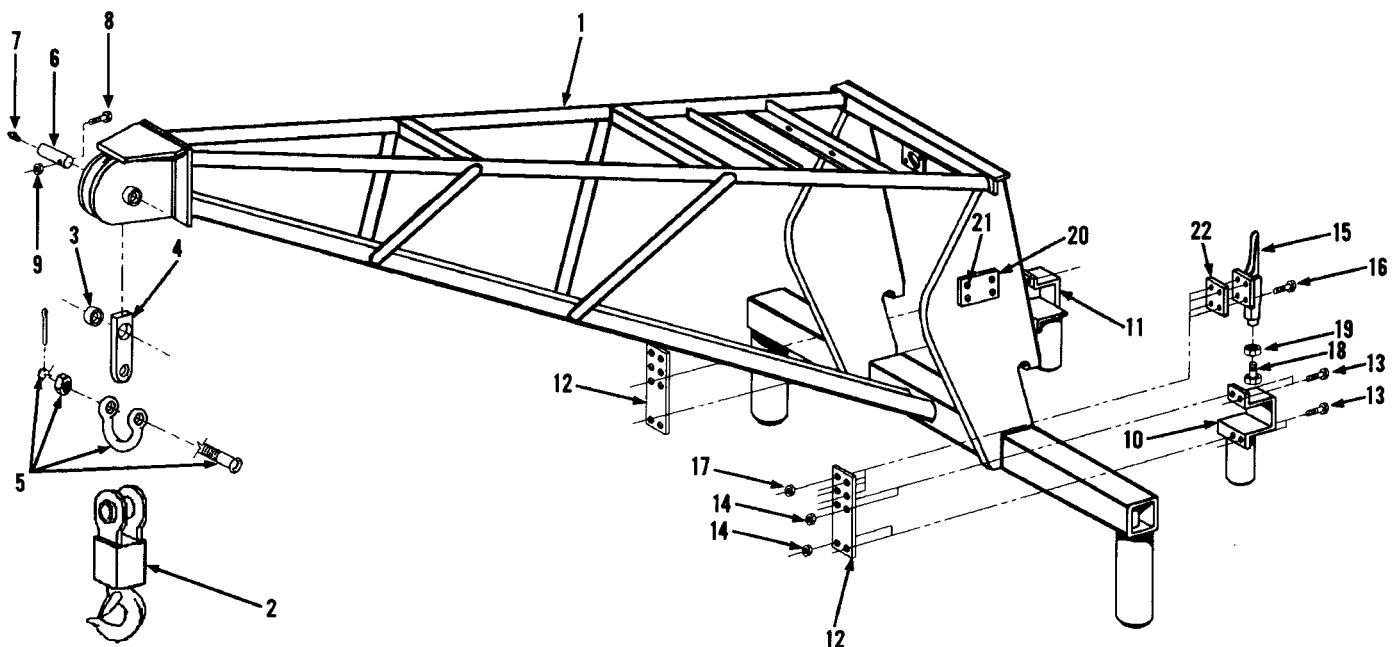


Item	Part No.	Qty.	Description Of Part
1	9104-5095	1	QUICK SWITCH ASSEMBLY
1	9104-6074	1	QUICK SWITCH WELDMENT
2	9108-6073	1	PLUNGER WELDMENT
3	9020-7902	1	QUICK RELEASE PIN
4	9103-3038	1	JACK CHAIN, 8" LONG, SIZE 12
5	8863-1509	1	ROLL PIN, 1/4"x2
6	8867-1008	1	LUBE FITTING, STRAIGHT, 1/4-28
7	9104-6020	REF	FOURTH BOOM SECTION WELDMENT
8	9103-1136	REF	BUSHING
9	8864-1057	1	HEX HD CAPSCREW
10	9104-1365	1	HEAD PIN
11	8852-1010	1	HEX LOCKNUT, 5/8-11
12	9020-7046	1	TIILT CYLINDER ROD END PIN
13	8820-1065	2	HEX HD CAPSCREW, 1/2-13x1, GR5
14	8855-1013	2	LOCKWASHER, 1/2
15	8830-1090	1	RD. HD MACH SCREW #10-24x1/2
16	8856-1105	1	FLAT WASHER #10

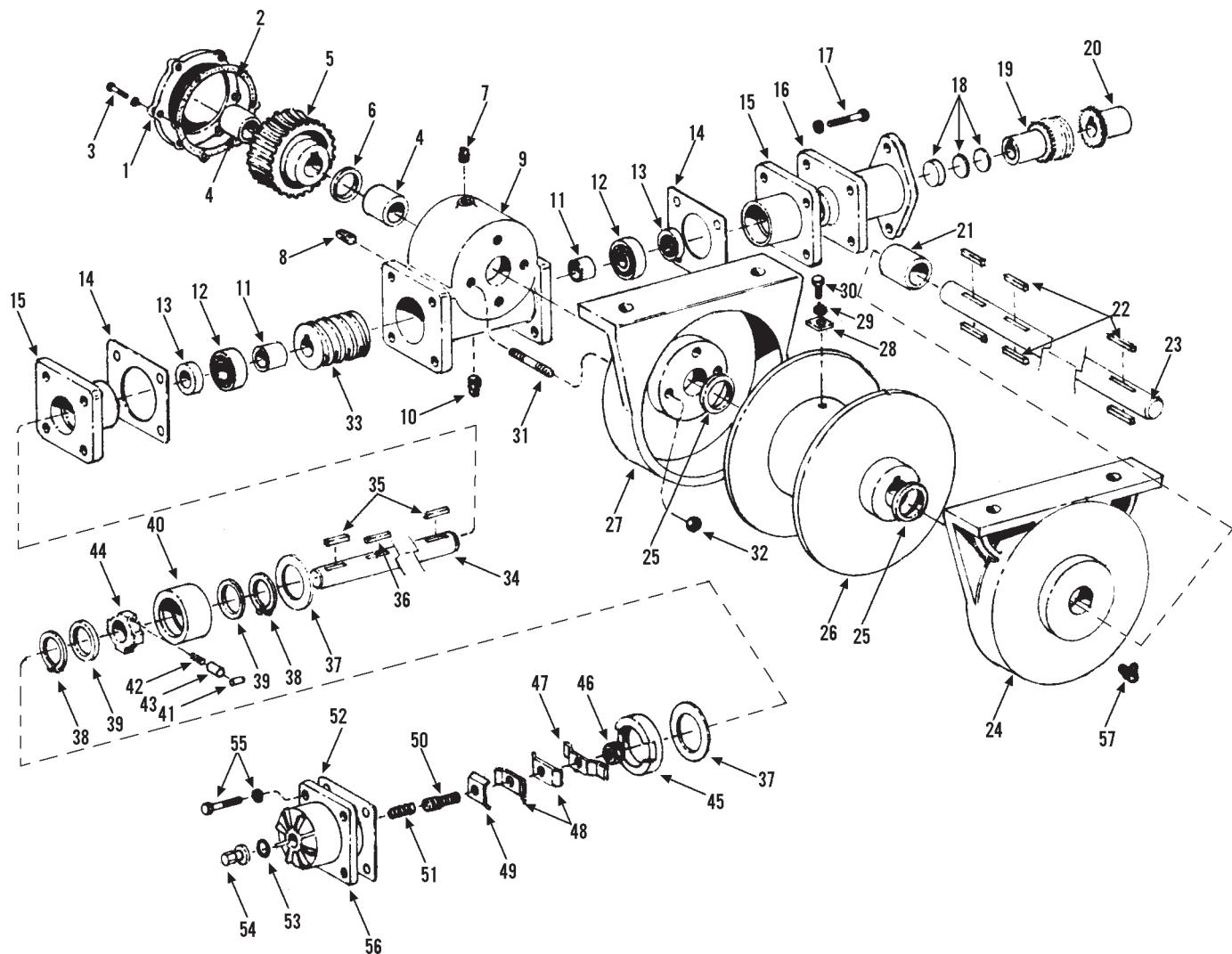


Item	Part No.	Qty.	Description Of Part
* 1	9045-5049	1	60" BUCKET
2	9080-1314	1	66" CARRIAGE
3	9040-2478	1	66" FORK PIN
4	9020-0003	2	FORK PIN COLLAR
5	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4, GR5
6	8852-1310	2	HEX LOCKNUT, 5/8-11
7	9080-1315	1	48" CARRIAGE
8	9040-2477	1	48" FORK PIN
9	9080-2132	2	PALLET FORK, 1-3/4X5X42 6000# CAPACITY
	9080-2221	2	PALLET FORK, 2X4X48 6000# CAPACITY
	9080-2164	2	PALLET FORK, 1-3/4X5X60 6000# CAPACITY
	9060-0390	2	CUBING FORK, 2X2X50 3000# CAPACITY (USES 29041-0246 SPACERS)
	9060-1819	2	PALLET FORK, 1-3/4X6X48 8000# CAPACITY
	9060-1818	2	PALLET FORK, 2X6X60 8000# CAPACITY
	9045-3002	2	PALLET FORK, 2X4X48 8000# CAPACITY

* Revised item 1.

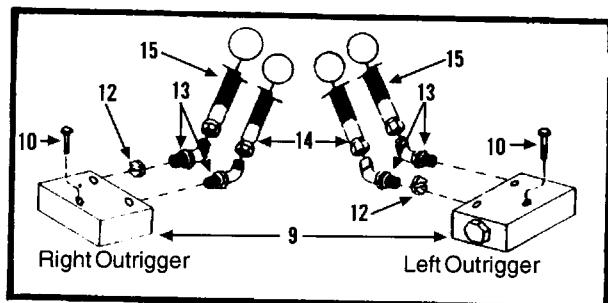
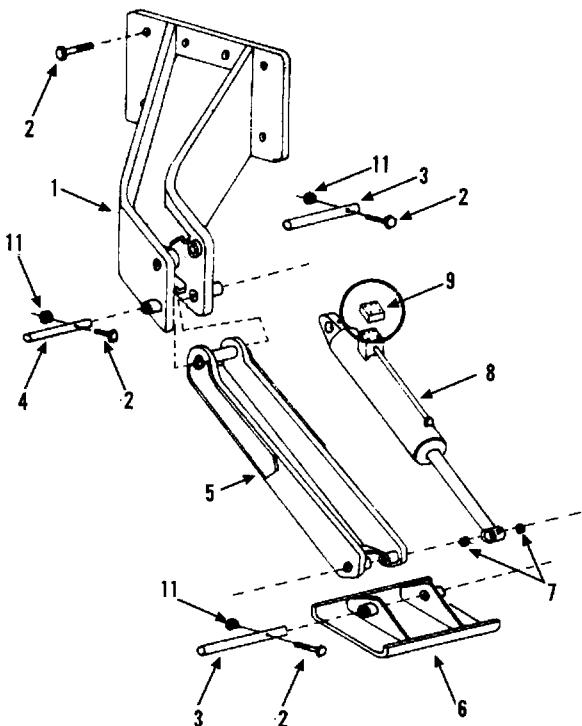


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9045-5011	1	TRUSS BOOM, (includes all items)	11	9060-2904	1	SLIDER BRACKET
	9080-1353	1	TRUSS BOOM WELDMENT	12	9040-3437	2	SLIDER BAR
2	9045-3040	1	SWIVEL HOOK	13	8820-1036	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5
3	9020-6046	1	BUSHING	14	8850-1006	8	HEX NUT, 3/8-16
4	9045-1053	1	HANGER	15	9020-7884	2	LOCKING CLAMP
5	9045-3041	1	SHACKLE, (includes attachment hardware)	16	8820-1021	8	HEX HDCAPSCREW, 5/16-18X1-1/4, GR5
		1	BOLT	17	8850-1005	8	HEX NUT, 5/16-18
		1	NUT	18	8820-1035	2	HEX HD CAPSCREW, 3/8-16X1, GR5
		1	COTTER PIN	19	8850-1106	2	HEAVY HEX JAM NUT, 3/8-16
6	9040-2948	1	PIN	20	9015-3001	1	SERIAL NO. PLATE
7	8867-1001	1	LUBE FITTING, STRAIGHT, 1/8	21	8834-1022	4	DRIVE SCREW, #10X3/8
8	8820-1073	1	HEX HD CAPSCREW, 1/2-13X3, GR5	22	9045-1047	2	SPACER
9	8850-1008	1	HEX NUT, 1/2-13				
10	9060-2905	1	SLIDER BRACKET				



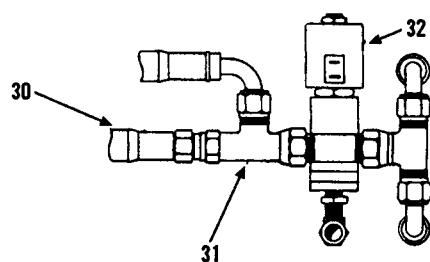
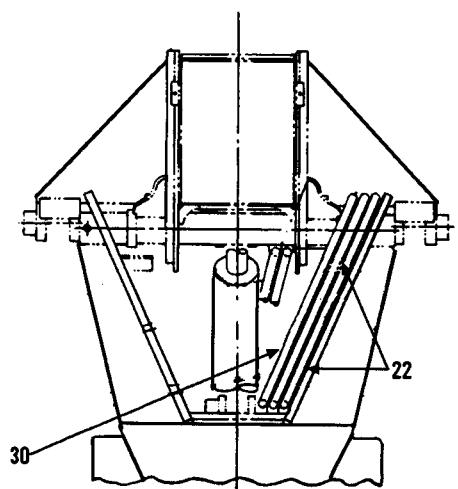
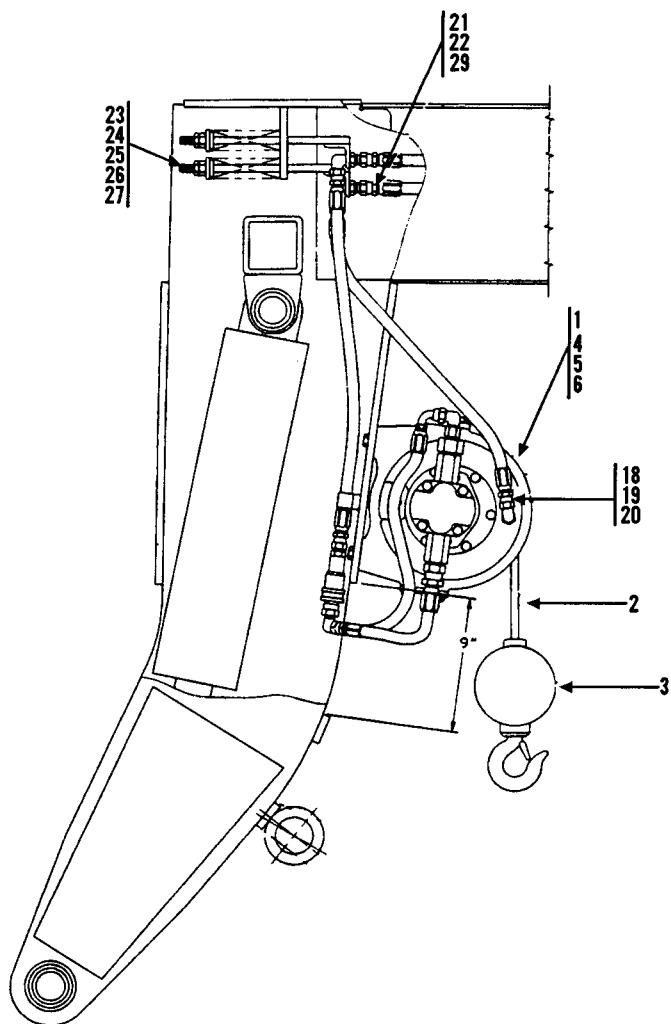
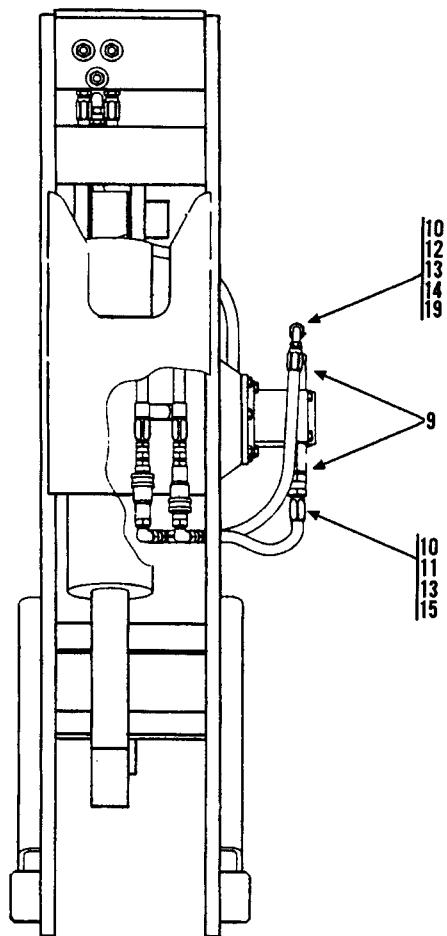
Item	Part No.	Qty.	Description Of Part
	9020-7878	1	TRUSS BOOM WINCH (includes all items)
1	9020-8147	1	GEAR CASE COVER
2	9020-8171	1	GEAR CASE GASKET
3	8820-1035	6	HEX HD CAPSCREW, 3/8-16x1, GR.5
4	9020-8154	2	BUSHING
5	9020-8150	1	WORM GEAR
6	9020-8174	1	BUSHING
7	9020-8168	1	OIL FILL PLUG
8	9020-8185	1	OIL LEVEL PLUG
9	9020-8142	1	GEAR CASE
10	9020-8186	1	OIL DRAIN PLUG
11	9020-8156	2	COLLAR
12	9020-8183	2	BEARING
13	9020-8189	2	OIL SEAL
14	9020-8170	2	BEARING HUB GASKET
15	9020-8188	2	BEARING HUB
16	9020-8180	1	MOTOR MOUNT ADAPTER
17	8820-1037	4	HEX HD CAPSCREW, 3/8-16x1-1/2 GR.5
	8855-1011	4	LOCK WASHER, 3/8
18	9020-8187	AR	COUPLER SPACER
19	9020-8181	1	COUPLER WINCH SHAFT
20	9020-8182	1	COUPLER MOTOR SHAFT
21	9020-8153	1	LOCK SEAT BUSHING
22	9020-8152	6	CABLE DRUM SHAFT KEY
23	9020-8148	1	CABLE DRUM SHAFT
*24	9140-4384	1	LOCK SEAT
25	9020-8173	2	WASHER
26	9020-8145	1	CABLE DRUM
27	9020-8143	1	LOCK SEAT
28	9020-8169	1	WIRE ROPE LOCK
29	8855-1011	1	LOCK WASHER, 3/8
30	8820-1036	1	HEX HD CAPSCREW, 3/8-16x1-1/4 GR.5
31	9020-8155	4	STUD BOLT, 1/2-13x1-1/2
32	8850-1008	4	HEX NUT, 1/2-13
33	9020-8151	1	WORM
34	9020-8149	1	WORM SHAFT
35	9020-8176	2	WORM SHAFT KEY
36	9020-8177	1	WORM SHAFT KEY
37	9020-8164	2	BRAKE LINING
38	9020-8184	2	LOCK RING (V.C. type)
39	9020-8175	2	SEAL
40	9020-8158	1	BRAKE HOUSING
41	9020-8163	1	ROLLER
42	9020-8179	1	BRAKE DRUM SPRING
43	9020-8162	1	SPRING SEAT
44	9020-8159	1	BRAKE DRUM
45	9020-8157	1	BRAKE PLATE
46	8850-1006	1	HEX NUT, 3/8-16
47	9020-8165	1	BRAKE PLATE
48	9020-8166	2	BRAKE PLATE
49	9020-8167	1	FIXING PLATE
50	9020-8160	1	ADJUSTING BOLT
51	9020-8178	1	SPRING
52	9020-8190	1	BRAKE COVER GASKET
53	9020-8172	1	O-RING
54	9020-8161	1	ADJUSTING NUT
55	8820-1037	8	HEX HD CAPSCREW, 3/8-16x1-1/2 GR.5
	8855-1011	4	LOCK WASHER, 3/8
56	9020-8146	1	BRAKE DRUM
57	8867-1001		LUBE FITTING - STRAIGHT 1/8

* Changed part number on item 24.

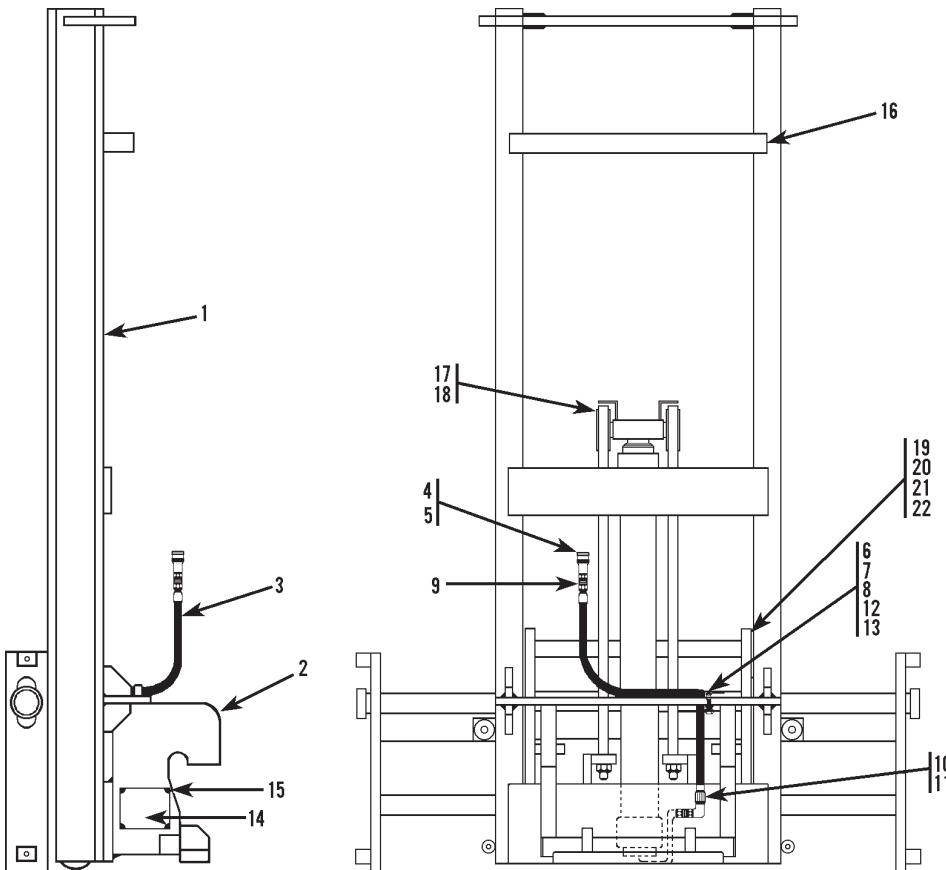


See page 9-12

Item	Part No.	Qty.	Description Of Part
1	9103-6029	1	LEFT OUTRIGGER BRACKET
	9103-6030	1	RIGHT OUTRIGGER BRACKET
2	8508-1016	11	HEX HD CAPSCREW
	0510-1441	11	SPECIAL WASHER
3	9103-1141	4	SHOE PIN
4	9103-1140	2	ARM PIN
5	9103-6041	2	ARM WELDMENT
6	9103-6032	2	OUTRIGGER SHOE
7	9103-1136	4	BUSHING
* 8	Ref CYLINDER, (see page 13-11 for details)		
9	9104-3258	2	DUAL P.O. CHECK, (see page 10-24 for details)
10	8820-1040	6	HEX HD CAPSCREW, 3/8-16X2-1/4 GR.5
	8855-1011	6	LOCKWASHER, 3/8
*11	8852-1206	6	HEX LOCKNUT, 3/8-16
12	9103-3201	2	ORIFICE CHECK, (barrel side only)
13	8866-2085	4	ELBOW, 45 DEGREES, (includes o-ring)
	8859-1205	4	O-RING
14	8471-7527	2	HOSE ASSY
15	8471-7528	2	HOSE ASSY

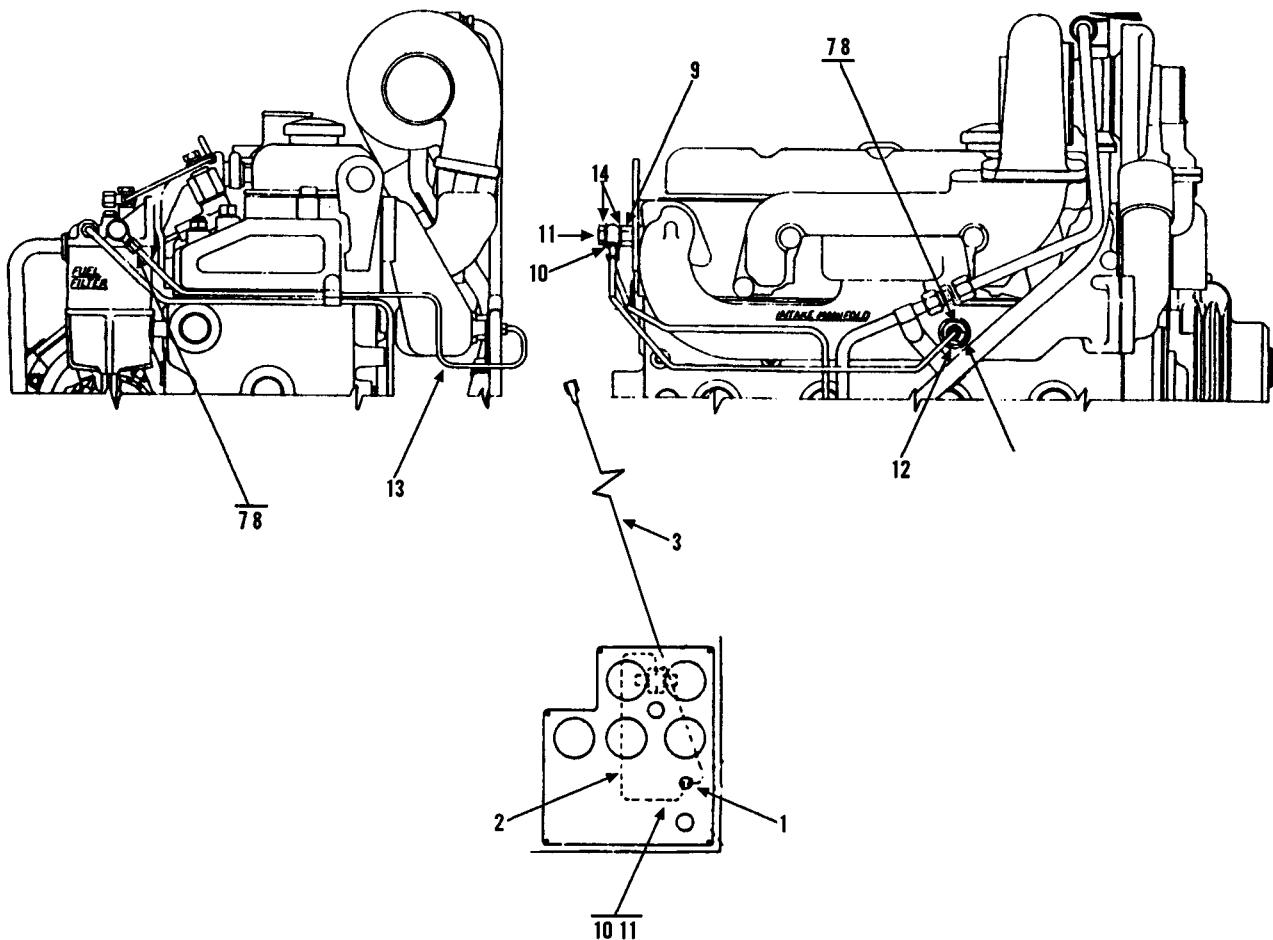


Item	Part No.	Qty.	Description Of Part
1	9103-3196	1	WINCH
2	9020-7882	1	CABLE
3	9020-1443	1	HOOK & BALL
4	8820-1069	4	HEX HD CAPSCREW, 1/2-13x2, GR5
5	8855-1013	4	LOCKWASHER, 1/2
6	8850-1008	4	HEX NUT, 1/2-13
7	9103-1007	1	BAR (not shown)
8	9102-1009	1	RING (not shown)
9	9103-3161	2	FLOW REGULATOR
10	8866-1113	2	MALE ELBOW - 90 DEGREES 1/2x1/2 TUBE
11	9020-4245	1	HYDRAULIC COUPLER - FEMALE
12	9020-4244	1	HYDRAULIC COUPLER - MALE
13	9103-3230	2	REDUCER
14	7713-3226	1	HOSE ASSEMBLY
15	7713-3459	1	HOSE ASSEMBLY
16	9104-3126	1	DUST CAP (not shown)
17	9104-3125	1	DUST PLUG (not shown)
18	8866-1011	1	MALE CONNECTOR 1/4x1/2 TUBE
19	8866-2106	2	ELBOW - 90 DEGREES (swivel nut)
20	8471-7252	1	HOSE ASSEMBLY
21	9002-7180	1	90 DEGREES BULKHEAD FITTING
22	9020-6888	1	HOSE ASSEMBLY
23	9040-3249	1	HOSE TAKE-UP
24	9020-0313	1	SPRING
25	9020-7041	1	SPRING RETAINER
26	8850-1008	1	HEX NUT, 1/2-13
27	8850-1108	1	HEAVY HEX JAM NUT, 1/2-13
28	9104-3101	1	HOSE TAKE-UP SHEAVE
29	8866-1065	1	UNION, 1/2 TUBE
30	8471-6377	1	HOSE ASSEMBLY
31	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
32	9103-5067	1	SOLENOID VALVE ASSEMBLY

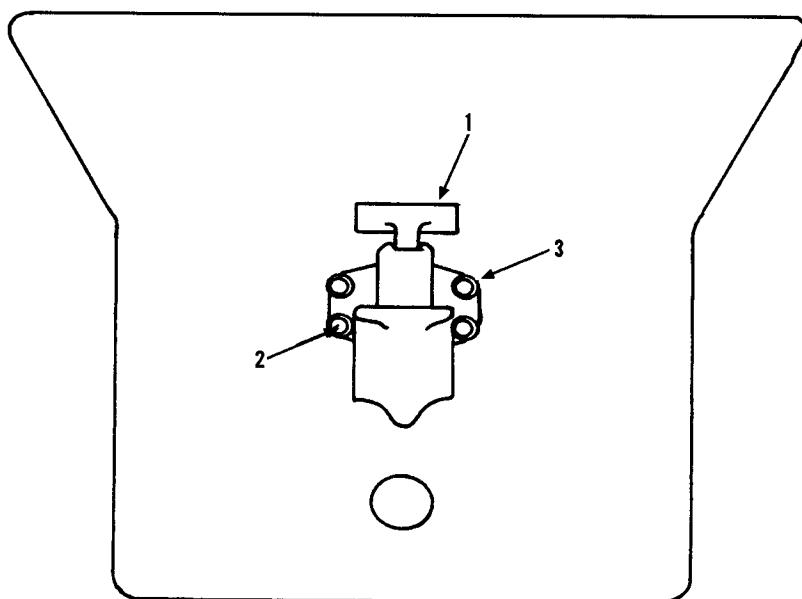


Item	Part No.	Qty.	Description Of Part
	9045-5035	1	6 FT. MAST ASSY, (48" carriage), (includes all items)
	9045-5037	1	6 FT. MAST ASSY, (66" carriage), (includes all items)
	9103-3243	1	6K CAPACITY CHART, (located in cab)
	9103-3242	1	8K CAPACITY CHART, (located in cab)
1	9045-3031	1	CARRIAGE WELDMENT - 48"
	9045-3032	1	CARRIAGE WELDMENT - 66"
2	9045-6002	1	ADAPTER WELDMENT
3	8471-7640	1	HOSE ASSY
4	9116-3138	1	MALE HYDRAULIC COUPLING, (Before S/N 2005283-01)
	9140-3414	1	MALE HYDRAULIC COUPLING, (S/N 2005283-01 & After)
5	9104-3126	1	DUST CAP
6	2443-1386	2	CLAMP
7	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5
8	8856-1004	2	FLATWASHER, 3/8

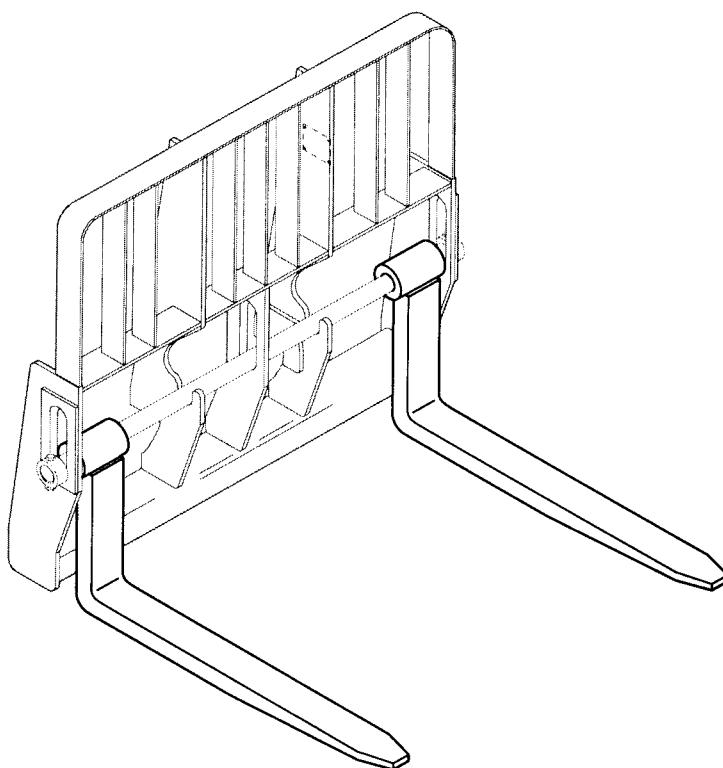
Item	Part No.	Qty.	Description Of Part
9	8866-1013	1	MALE CONNECTOR, 1/2X1/2 TUBE, (Before S/N 2005283-01)
	8866-2006	1	CONNECTOR, (includes 8859-1205 o-ring), (S/N 2005283-01 & After)
10	8866-1016	1	MALE CONNECTOR, 5/8X1/2 TUBE
11	8866-1180	1	FEMALE ELBOW, 90 DEGREES, 1/2X1/2 TUBE
12	8850-1006	2	HEX NUT, 3/8-16
13	8855-1011	2	LOCKWASHER, 3/8
14	9015-3001	1	SERIAL NO. PLATE
15	8834-1022	4	DRIVE SCREW, #10X3/8
16	9045-1039	1	STOP TUBE
17	9103-4372	2	RETAINING RING
18	9103-4373	2	CHAIN ROLLER
19	9103-4374	6	LOAD ROLLER, (inside carriage frame)
20	9103-4375	AR	SHIM
21	9103-4376	4	SIDE THRUST ROLLER, (small outside roller)
22	9103-4377	2	SCREW



Item	Part No.	Qty.	Description Of Part
	9103-5105		GLOW PLUG INSTALLATION (includes all items below)
1	2477-1004	1	PUSH BUTTON SWITCH
2	9103-1277	1	JUMPER WIRE
3	9103-1278	1	JUMPER WIRE
4	9103-3251	1	BUTTON DECAL
5	9103-3252	1	INSTRUCTION DECAL
6	9103-3250	1	GLOW PLUG KIT (consists of items 7 thru 14)
7		2	TUBE NUT
8		2	RUBBER FERRULE
9		1	VALVE
10		1	CONNECTOR
11		1	BOLT
12		1	HEATER
13		1	TUBE
14		3	WASHER
*NOTE: Only items with part numbers are available for service.			
*NOTE: Switch assembly, switch plate, and decal sheet, which are part of the above kit, are not used in this installation.			



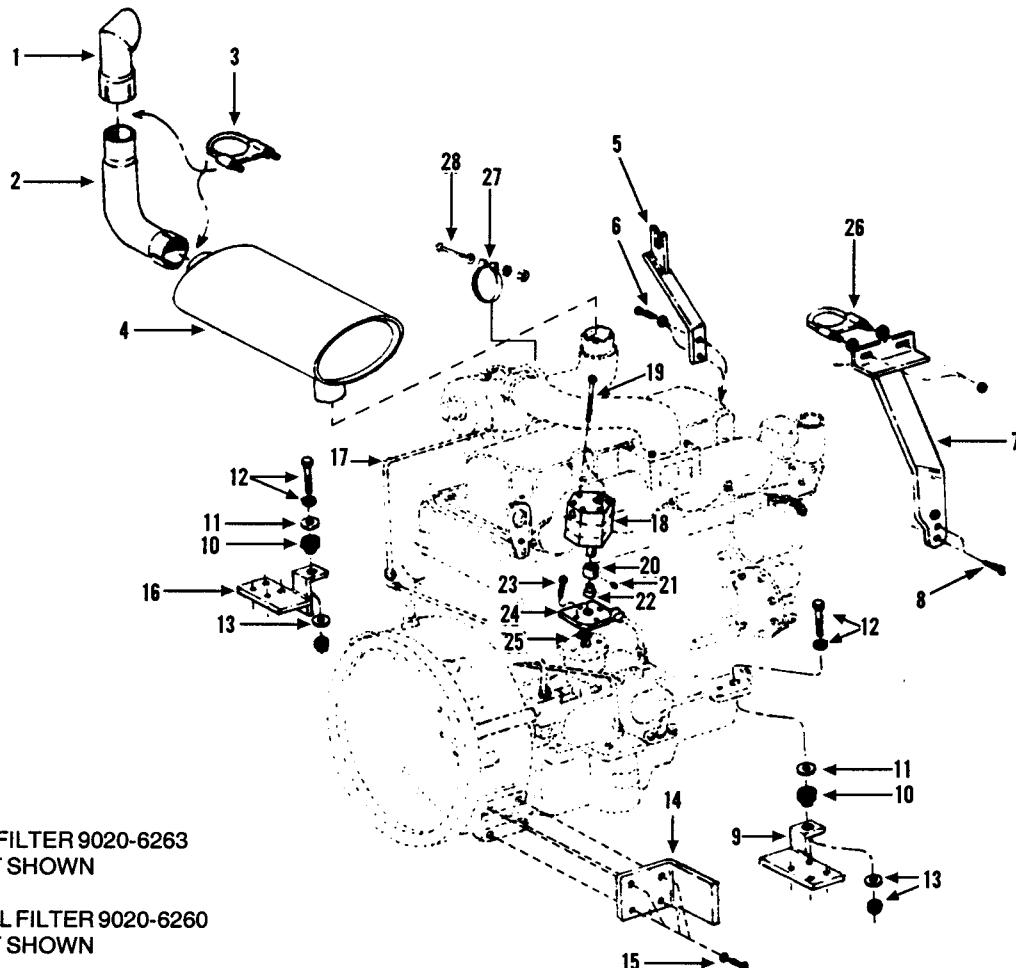
Item	Part No.	Qty.	Description Of Part
1	9020-0602	1	PINTLE HOOK
2	8820-1068	4	HEX HD CAPSCREW, 1/2-13x1-3/4, GR.5
3	8855-1013	4	LOCKWASHER 1/2



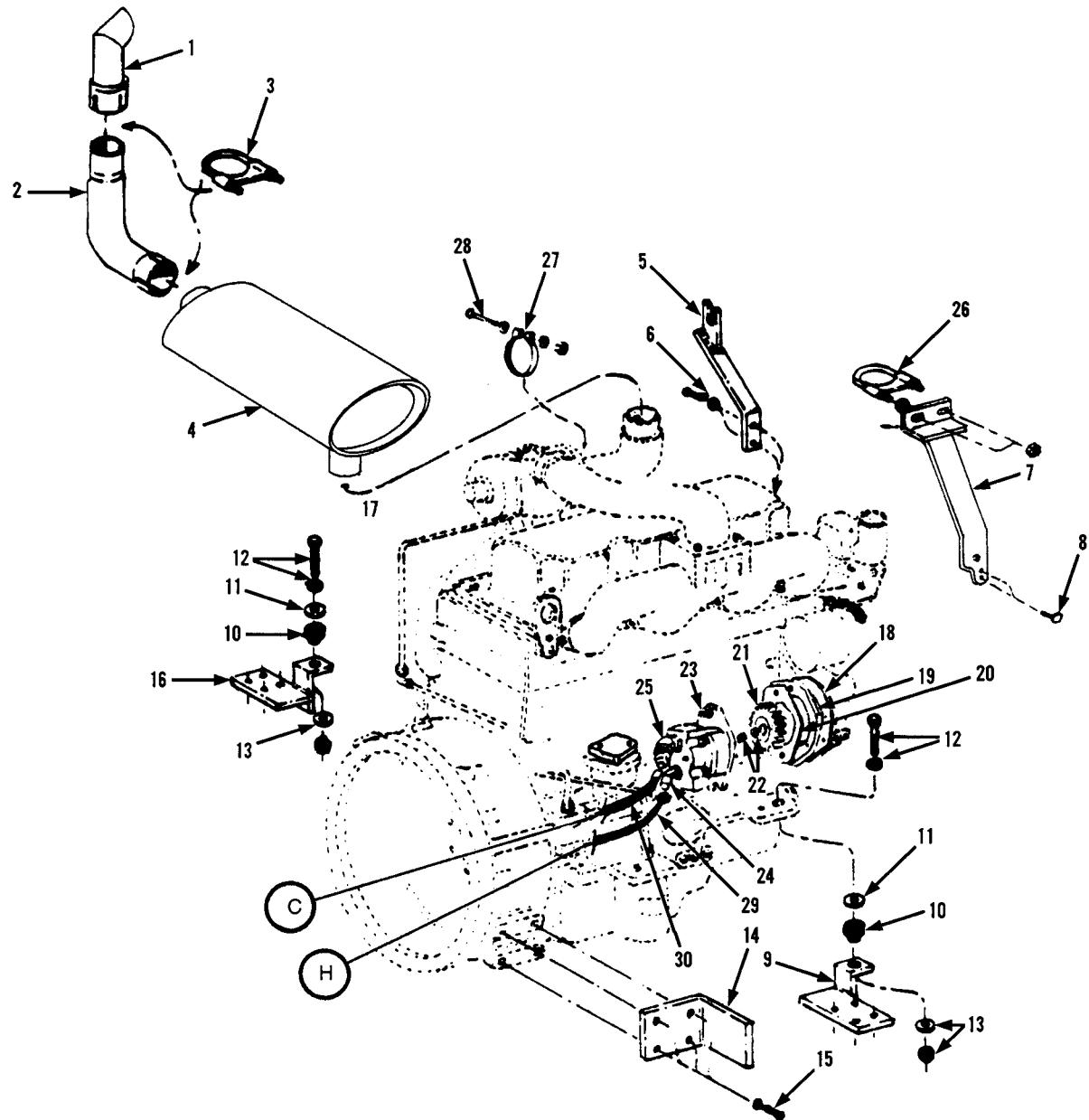
NOTE: FORKS RATED LESS THAN THE ATTACHMENT OR MACHINE'S CAPACITY DECREASE CAPACITY OF THE ATTACHMENT OR MACHINE TO THAT OF THE FORKS. FORKS RATED MORE THAN THE ATTACHMENT OR MACHINE'S CAPACITY DO NOT INCREASE ATTACHMENT OR MACHINE'S CAPACITY.

NOTE: PLEASE CONSULT THE GRADALL PARTS DEPARTMENT TO DETERMINE THE CORRECT FORKS APPLICABLE TO YOUR SPECIFIC CARRIAGE ASSEMBLY AND APPLICATION.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9060-0390	2	48" CUBING FORK, 2X2, 3000 lbs., (B, C, & D series)		9055-3018	2	72" PALLET FORK, 2X6, 10,000 lbs., (B, C, & D series)
	9060-1819	2	48" PALLET FORK, 1-3/4X6, 9000 lbs., (B, C, & D series)		9112-3132	2	72" PALLET FORK, 2X6, 10,000 lbs., (B, C, & D series)
	9045-3002	2	48" PALLET FORK, 2X4, 3000 lbs., (B, C, & D series)		9060-0832	2	48" FORK, 2-1/4X8, 16,000 lbs., (used on the 542, 552, & 554)
	9055-3005	2	48" PALLET FORK, 2X6, 3000 lbs., (B, C, & D series)		9060-1873	2	48" FORK, 2-1/4X7, 15,000 lbs., (used on the 542, 552, & 554)
	9055-3008	2	48" PALLET FORK, 2X2, 3000 lbs., (used on 6' swing mast only, P/N 9045-5047)		9060-0833	2	60" PALLET FORK, 2-1/4X8, 16,000 lbs., (used on the 542, 552, & 554)
	9060-1015	2	60" PALLET FORK, 2X6, 3000 lbs., (B, C, & D series)		9060-1219	2	60" FORK, 2-1/2X8, 16,000 lbs., (used on the 542, 552, & 554)
	9006-3269	2	60" PALLET FORK, 2X6, 3000 lbs., (B, C, & D series)		9060-1874	2	60" FORK, 2-1/4X7, 15,000 lbs., (used on the 542, 552, & 554)
	9045-3045	2	60" PALLET FORK, 2X2, 10,000 lbs., (used on 6' swing mast only, P/N 9045-5054)				

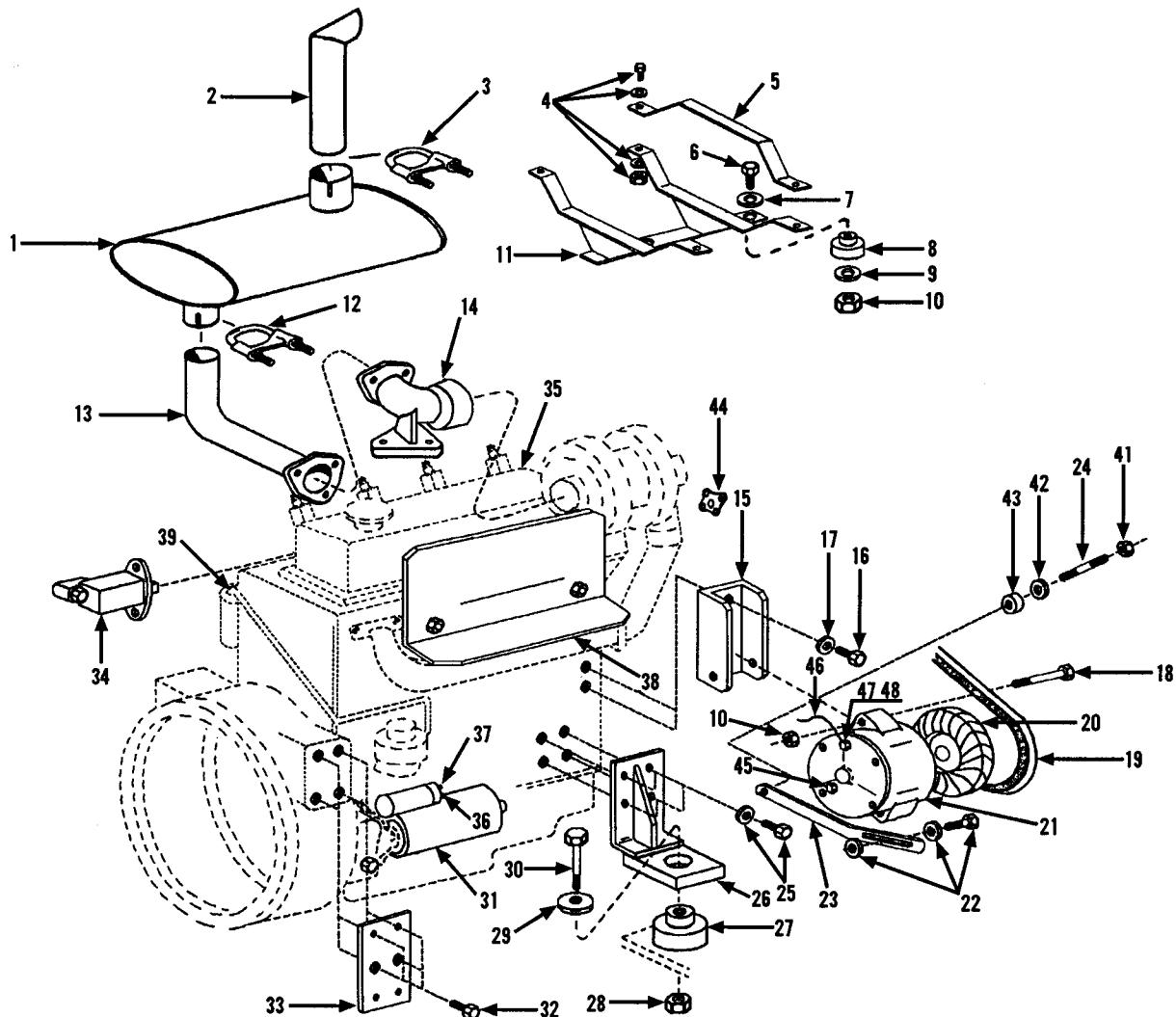


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-5861	1	STACK CAP	17		1	WAUKESHA DIESEL ENGINE, (For parts information see separate engine manual)
2	9020-6634	1	EXHAUST ELBOW	18	9040-3305	1	PILOT PUMP
3	2492-1332	2	EXHAUST CLAMP	19	8820-1030	2	HEX HD CAPSCREW, 5/16-18X3-1/2, GR5
4	9020-7291	1	MUFFLER	20	9020-7250	1	ADAPTER
5	9020-5971	1	ACCELERATOR CABLE BRACKET	21	9002-8751	1	SET SCREW
6	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5	22	9020-7251	1	DOWEL
	8856-1109	2	FLAT WASHER, 3/8	23	8821-1069	2	SOCKET HD CAPSCREW, 3/8-16X3/4, GR8
7	9040-3079	1	MUFFLER MOUNTING BRACKET	24	9020-7249	1	ADAPTER PLATE
8	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR 5	* 25	9020-7284	1	GASKET
9	9040-3174	1	ENGINE MOUNT BRACKET, (left)	* 26	9020-5866	1	EXHAUST PIPE CLAMP
10	9020-5032	2	CENTER BONDED COMPRESSION MOUNT	27	9020-7818	1	CLAMP
11	9020-5654	2	SPECIAL WASHER	9100-1002	1	GASKET	
12	8820-1073	2	HEX HD CAPSCREW, 1/2-13X3, GR5	28	8820-1029	1	HEX HD CAPSCREW, 5/16-18X3-1/4, GR5
	8540-1340	2	WASHER, 1/2		8852-1005	1	HEX LOCKNUT, 5/16-18
13	9020-5031	2	SPECIAL WASHER		8856-1108	1	FLATWASHER, 5/16
14	9040-3431	1	OIL FILTER GUARD		9103-4057	1	STARTER, (not shown)
15	8820-1065	4	HEX HD CAPSCREW, 1/2-13X1, GR5				
	8856-1111	4	FLAT WASHER, 1/2				
16	9040-3175	1	ENGINE MOUNT BRACKET, (right)				



C - SEE PAGE 9 - 10.1
H - SEE PAGE 9 - 10.1

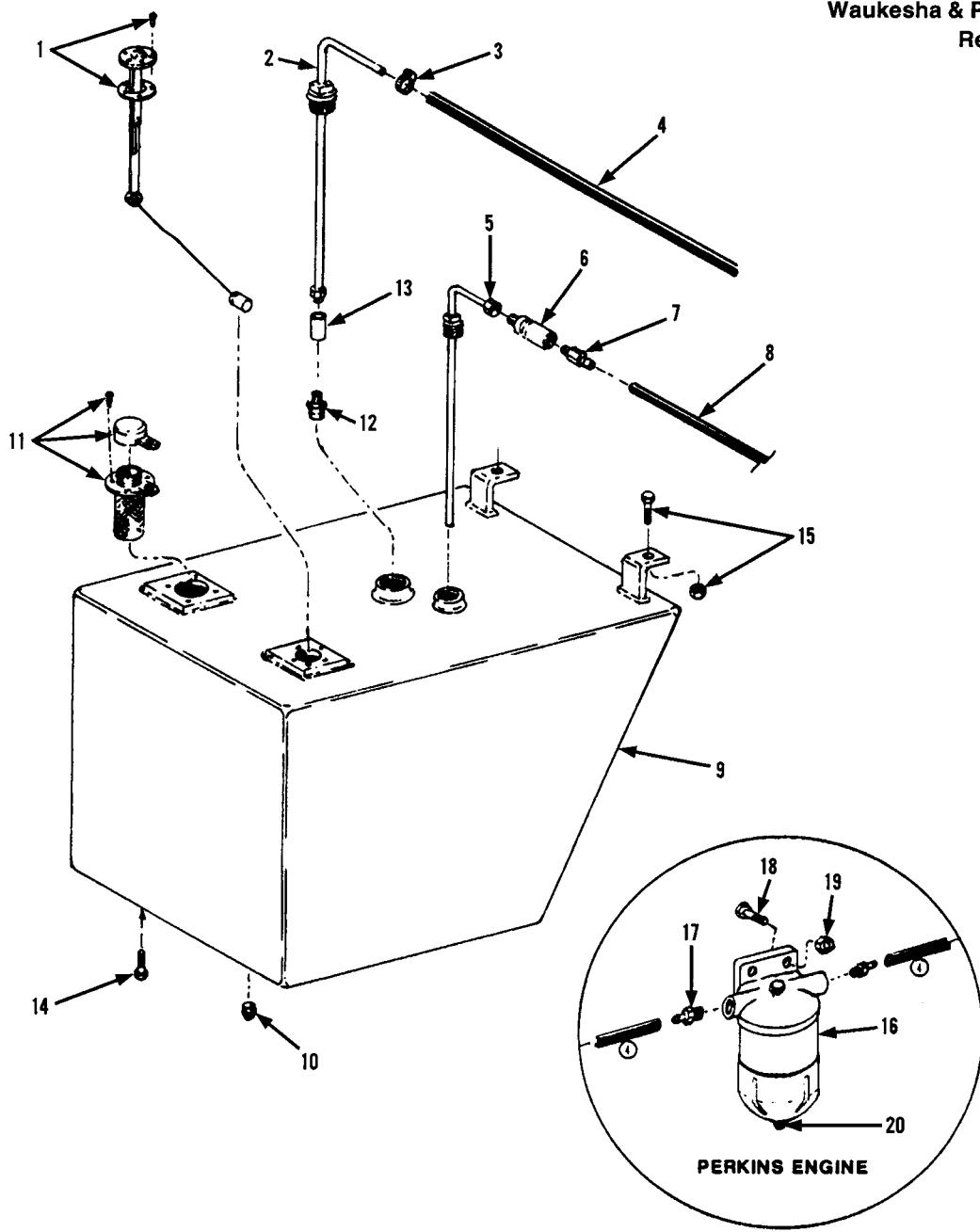
Item	Part No.	Qty.	Description Of Part
1	9020-5861	1	STACK CAP
2	9020-6634	1	EXHAUST ELBOW
3	2492-1332	2	EXHAUST CLAMP
4	9020-7291	1	MUFFLER
5	9020-5971	1	ACCELERATOR CABLE BRACKET
6	8820-1033	2	3/8"-16x3/4" CAPSCREW
	8856-1109	2	3/8" WASHER
7	9040-3079	1	MUFFLER MOUNTING BRACKET
8	8820-1037	2	3/8"-16x1-1/2" CAPSCREW
9	9040-3174	1	ENGINE MOUNTING BRACKET (left)
10	9020-5032	2	CENTER BONDED COMPRESSION MOUNT
11	9020-5654	2	SPECIAL WASHER
12	8820-1073	2	1/2"-13x3" CAPSCREW
	8540-1340	2	1/2" WASHER
13	9020-5031	2	SPECIAL WASHER
	8850-1008	2	1/2"-13 NUT
14	9040-3431	1	OIL FILTER GUARD
15	8820-1065	4	1/2"-13X1" CAPSCREW
	8856-1107	4	WASHER
16	9040-3175	1	ENGINE MOUNTING BRACKET (right)
17		1	WAUKESHA DIESEL ENGINE (for parts information, see separate engine manual)
18	9103-4034	1	ADAPTER GASKET
19	9103-4035	1	PUMP ADAPTER PLATE
20	9103-4036	1	HYDRAULIC PUMP GASKET
21	9103-4037	1	HYDRAULIC PUMP GEAR
22	9103-4038	1	WASHER
	9103-4039	1	CASTLE NUT
23	9103-3156	1	HYDRAULIC GEAR PUMP
24	8656-1309	1	REDUCER / EXPANDER
	8859-1207	1	O-RING
	8866-2085	1	ELBOW, 45 DEGREE
25	9103-3182	1	BEADED INSERT, 45 DEGREE
	8859-1209	1	O-RING
26	9020-5866	1	EXHAUST PIPE CLAMP
27	9020-7818	1	CLAMP
28	8820-1029	1	5/16"-18x3-1/4" BOLT
	8852-1005	1	5/16"-18 NUT
	8856-1108	2	5/16" WASHER
29	8471-7470	1	HOSE ASSEMBLY
30	9103-3179	1	HOSE
31	9103-3139	1	OIL PRESSURE SENDER (not shown)
	8871-2031	1	ELBOW, 45 DEGREE
32	9020-6263	1	OIL FILTER (not shown)
33	9020-6260		FUEL FILTER (not shown)



Item	Part No.	Qty.	Description Of Part
	9103-5141	1	ENGINE & TRANSMISSION FILTER KIT (includes 1 each of the following)
	9020-4732	1	TRANSMISSION FILTER
	9020-6262	1	AIR FILTER
	9103-4005	1	FUEL FILTER
	9103-4006	1	OIL FILTER

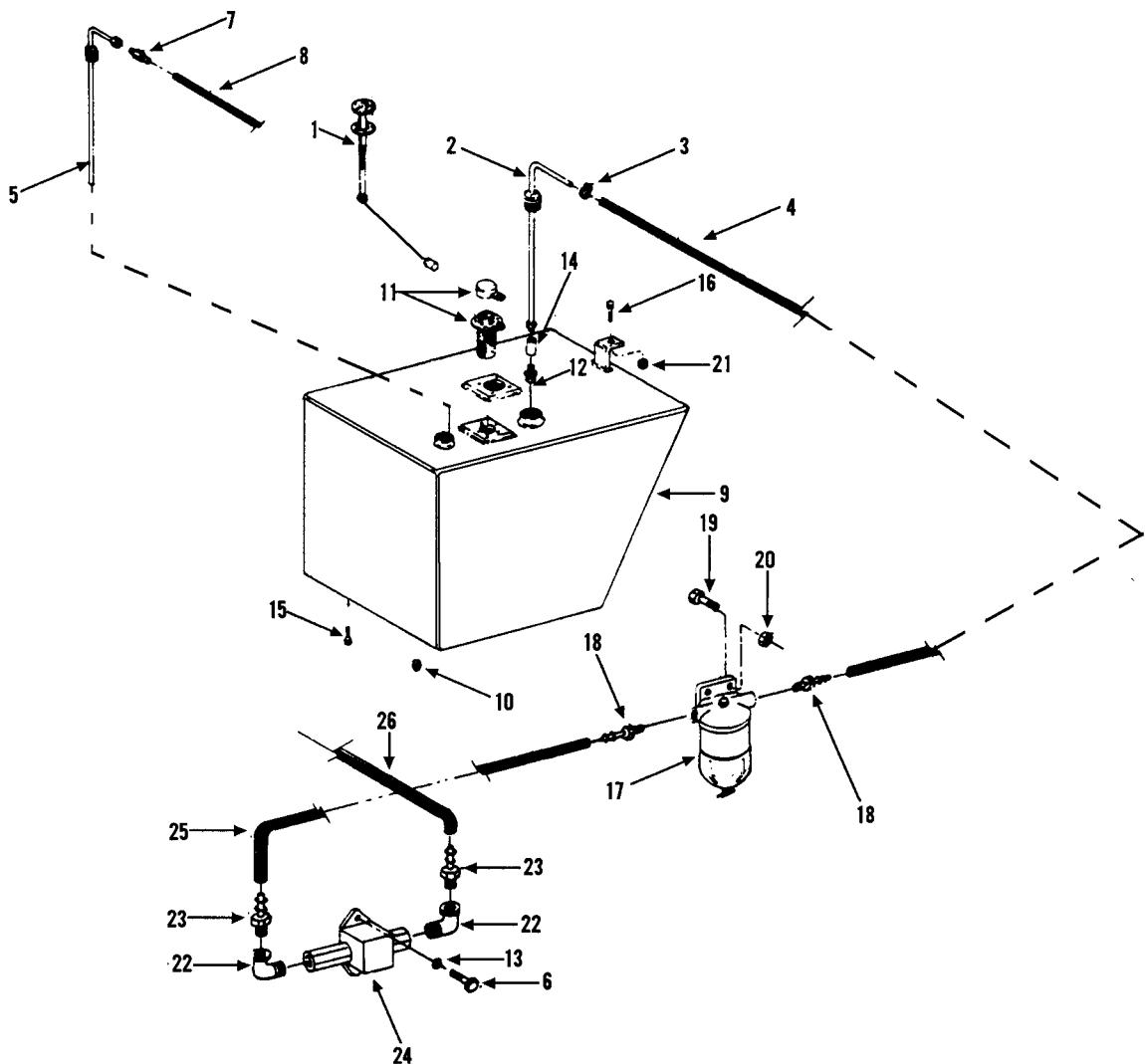
Item	Part No.	Qty.	Description Of Part
1	9103-3053	1	MUFFLER
2	9103-3381	1	STACKCAP
3	2492-1332	1	CLAMP
4	8820-1009	4	HEX HD CAPSCREW, 1/4-20X2, GR5
	8856-1107	8	FLAT WASHER, 1/4
	8852-1304	4	HEX LOCKNUT, 1/4-20
5	9103-1045	2	MUFFLER STRAP
6	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5
7	8368-1481	2	WASHER
8	8368-3308	2	SHOCK MOUNT
9	8856-1109	2	FLAT WASHER, 3/8
10	8852-1306	3	HEX LOCKNUT, 3/8-16
11	9103-6010	1	MUFFLER SUPPORT
	9103-6072	1	MUFFLER SUPPORT (starting serial no. 0144312J)
12	8368-3175	1	CLAMP
13	9103-6011	1	HEADER PIPE
	9103-6073	1	HEADER PIPE (starting serial no. 0144312J)
	9103-6099	1	HEADER PIPE (starting serial no. 0144687J)
14	9103-6012	1	EXHAUST MANIFOLD
	8820-1534	3	HEX HD CAPSCREW, 3/8-24X1, GRS
	8855-1011	3	LOCKWASHER, 3/8
15	9103-1395	1	ALTERNATOR BRACKET
16	8820-1534	2	HEX HD CAPSCREW, 3/8-24X1, GR5
17	1200-1234	2	HARDENED WASHER, 3/8
18	8820-1045	1	HEX HD CAPSCREW, 3/8-16X3-1/2, GR5
19	9103-3248	1	FAN BELT
20	9103-3074	1	ALTERNATOR FAN
21	9103-3234	1	ALTERNATOR
	8319-1028	1	BOLT, M8X1.25, GR8
	8319-1011	1	LOCKWASHER, M8
	9002-7469	1	HARDENED WASHER

Item	Part No.	Qty.	Description Of Part
23	9103-1404	1	ALTERNATOR ADJUSTMENT STRAP
24	9103-3329	1	STUD
25	8820-1549	8	HEX HD CAPSCREW, 7/16-20X1, GR5
	8855-1012	8	LOCKWASHER, 7/16
26	9103-6009	2	MOTOR MOUNT
27	9020-5032	2	SHOCK MOUNT
28	8852-1208	2	HEX LOCKNUT, 1/2-13
29	9020-5031	2	SPECIAL WASHER
30	8820-1072	2	HEX HD CAPSCREW, 1/2-13X2-3/4, GR5
31	9103-3323	1	STARTER MOTOR
	9103-3268	3	MOUNTING STUD
32	8820-1066	2	HEX HD CAPSCREW, 1/2-13X3, GR5
	8855-1013	2	LOCKWASHER, 1/2
33	9103-1041	1	MOUNTING PLATE
34	Ref	PILOT PUMP (see page 10-15A for details)	PILOT PUMP (see page 10-15A for details)
35			
	9103-3258	1	PERKINS DIESEL ENGINE (see separate engine manual for parts information)
36	9103-3133	2	NUT, M5X.08
37	9103-3134	1	NUT, M10X 1.5
38	9103-1152	1	HEAT SHIELD
39	9103-3136	1	1/4"X3" TUBE (fuel filter)
40	9103-3246	1	OIL PRESSURE SENDER (100 PSI) (not shown)
41	8850-1005	1	HEX NUT, 5/16-18
42	8850-1010	1	LOCKWASHER, 5/16
43	8667-1164	2	SPACER
44	9103-3256	1	FANBLADE SPACER
45	8319-1019	1	HEX NUT, M6X1
46	9020-7497	1	JUMPER WIRE
47	8319-1007	1	HEX HD CAPSCREW, M8X1.25, GR8
48	8319-1011	1	LOCKWASHER, M8



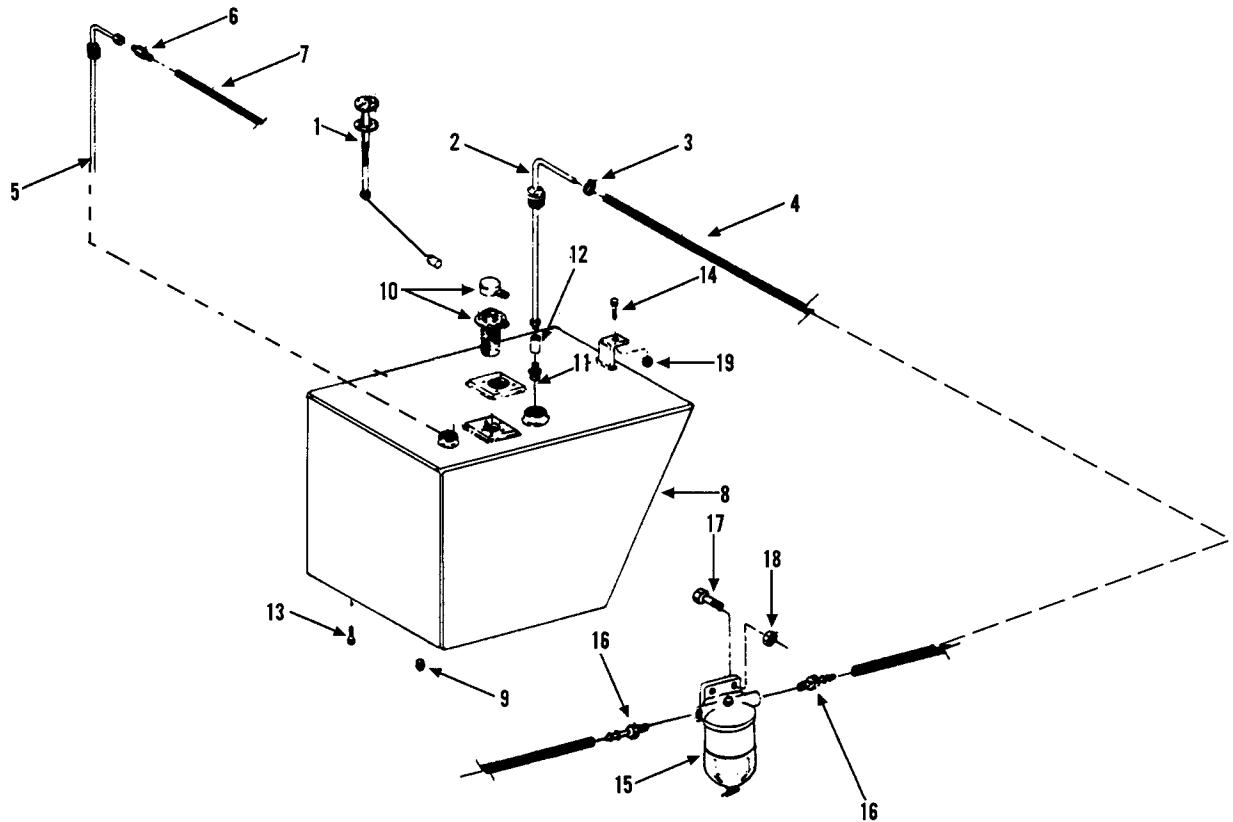
Item	Part No.	Qty.	Description Of Part
1	9040-0654	1	FUEL LEVEL SENDER (includes gasket and mounting hardware)
* 2	9105-6106	1	FUEL LINE (to engine filter)
3	8348-3497	AR	HOSE CLAMP
4		1	HOSE 3/8" I.D. (Waukesha)
5	9040-2827	2	HOSE 5/16" I.D. (Perkins)
6	8668-3330	1	FUEL RETURN LINE (Diesel)
7	9002-8674	1	CHECK VALVE (not used after S/N 8444490)
8		1	PUSH LOCK FITTING
* 9	9080-1199	1	HOSE 1/4" I.D.
	9103-6047	1	FUEL TANK (S/N 8344001L thru S/N 8644765)
10	8871-1255	1	FUEL TANK (staring S/N 8644766)

Item	Part No.	Qty.	Description Of Part
*11	9100-3186	1	FILLER BREATHER (includes gasket and mounting hardware)
	8654-1381	1	SCREW ON GAS CAP
12	9020-5223	1	SUCTION SCREEN
*13	8871-1212	1	PIPE COUPLING, 3/8
*14	8820-1065	1	HEX HD CAPSCREW, 1/2-13X1, GR5
*15	8820-1071	1	HEX HD CAPSCREW, 1/2-13X2-1/2, GR5
	8850-1008	1	HEX NUT, 1/2-13
*16	9103-3054	1	WATER SEPARATOR
*17	9103-3131	2	BARB CONNECTOR
*18	8820-1021	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5
*19	8852-1305	2	HEX LOCKNUT, 5/16-18
*20	9103-4396	1	SCREW ASSY (push-on type)



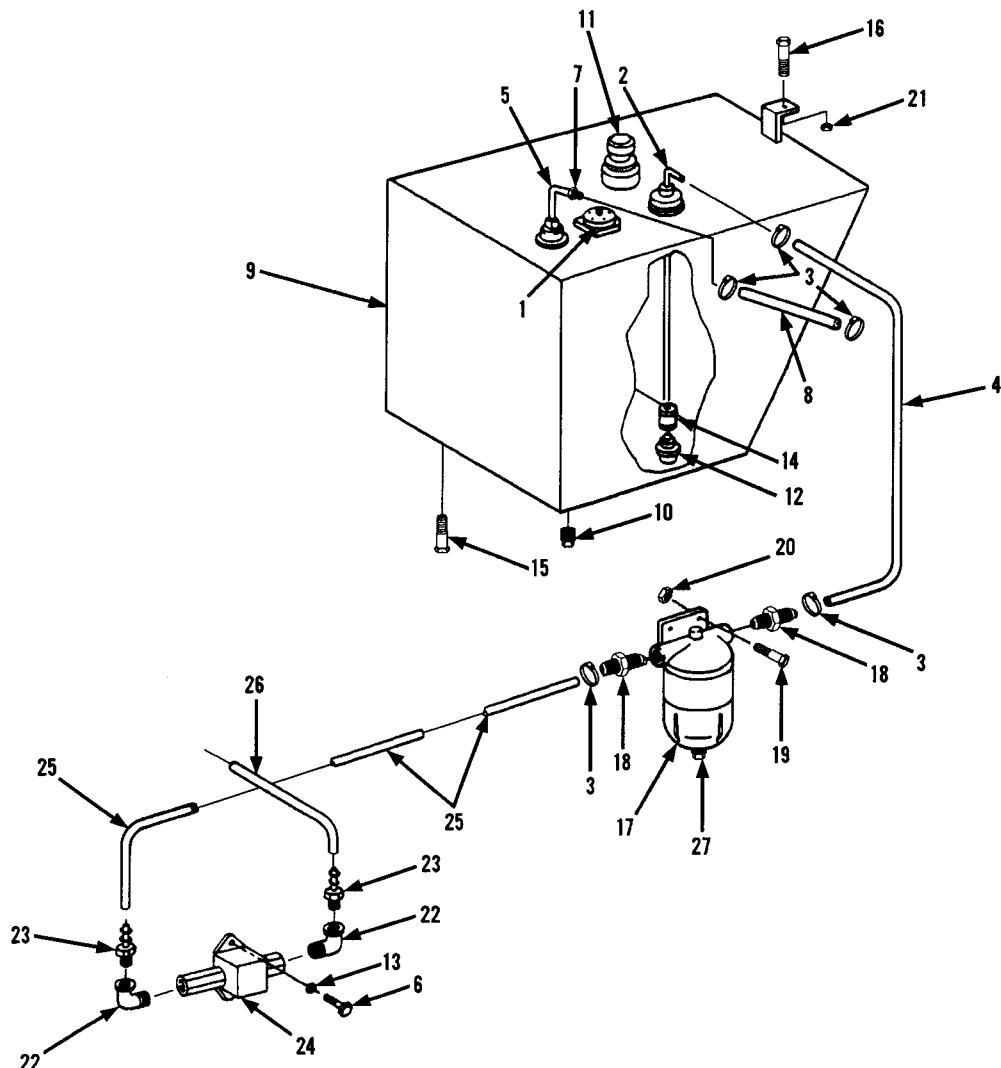
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
* 1	9040-0654	1	FUEL LEVEL SENDER, (includes gasket & mounting hardware)	13	8855-1009	2	LOCKWASHER, 1/4
2	9105-6106	1	FUEL LINE, (to engine filter)	14	8871-1212	1	PIPE COUPLING, 3/8
3	8348-3497	AR	HOSE CLAMP	15	8820-1065	1	HEX HD CAPSCREW, 1/2-13X1, GR5
4	8209-2118	20"	HOSE, 5/16" I.D.	16	8820-1071	1	HEX HD CAPSCREW, 1/2-13X2-1/2, GR5
5	9040-2827	1	FUEL RETURN LINE	17	9103-3054	1	WATER SEPARATOR
6	8820-1001	2	HEX HD CAPSCREW, 1/4-20X1/2, GR5	18	9103-3131	2	BARB CONNECTOR
7	9002-8674	1	PUSH LOCK FITTING	19	8820-1021	2	HEX HD CAPSCREW, 5/16-18X1-1/4 GR5
8	9020-7422	1	HOSE, 1/4" I.D.	20	8852-1305	2	HEX LOCKNUT, 5/16-18
* 9	9103-6047	1	FUEL TANK	21	8850-1008	1	HEX NUT, 1/2-13
10	8871-1255	1	SQUARE HD PIPE PLUG, 1"	22	8871-2081	2	STREET ELBOW-90 DEGREES, 3/8
11	9100-3186	1	FILLER-BREATHER, (includes cap, gasket & mounting hardware)	23	8874-1801	2	HOSE NIPPLE
	9103-4224	1	RESERVIOR CAP, (with locking tab)	24	9103-3270	1	PRIMER PUMP
12	9020-5223	1	SUCTION SCREEN	25	8209-2118	12"	HOSE, 5/16" I.D.
				26	8209-2118	70"	HOSE, 5/16" I.D.

* Revised part number on items 1 & 9.



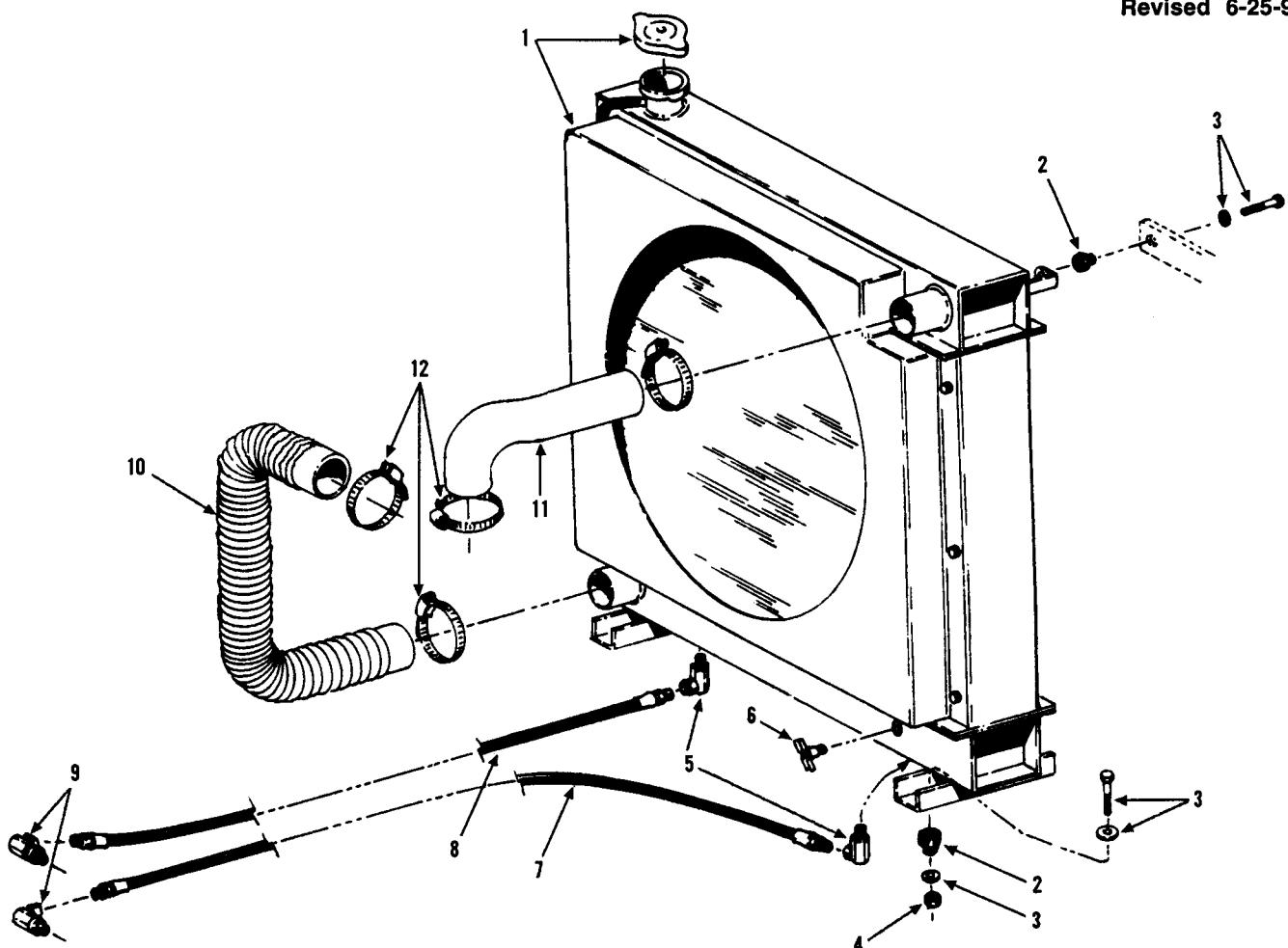
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
* 1	9040-0654	1	FUEL LEVEL SENDER, (includes gasket & mounting hardware)	* 11	9103-4224	AR	RESERVIOR CAP, (includes locking tab)
2	9105-6106	1	FUEL LINE, (to engine filter)	12	9020-5223	1	SUCTION SCREEN
3	8348-3497	AR	HOSE CLAMP	13	8871-1212	1	PIPE COUPLING, 3/8
4	AR	HOSE, 3/16" I.D.	14	8820-1065	1	HEX HD CAPSCREW, 1/2-13X1, GR5	
5	9040-2827	1	FUEL RETURN LINE	15	8820-1071	1	HEX HD CAPSCREW, 1/2-13X2-1/2, GR5
6	9002-8674	1	PUSH LOCK FITTING	16	9103-3054	1	WATERSEPARATOR
7	9020-7422	1	HOSE, 1/4I.D.	17	9103-3131	2	BARB CONNECTOR
* 8	9103-6047	1	FUEL TANK	18	8820-1021	2	HEX HD CAPSCREW, 5/16-18X1-1/4, GR5
9	8871-1255	1	SQUARE HD PIPE PLUG, 1"	19	8852-1305	2	HEX LOCKNUT, 5/16-18
10	9100-3186	1	FILLER-BREATHERT, (includes cap, gasket & mounting hardware)		8850-1008	1	HEX NUT, 1/2-13

* Revised part numbers on items 1, 8, and the Reservior Cap.

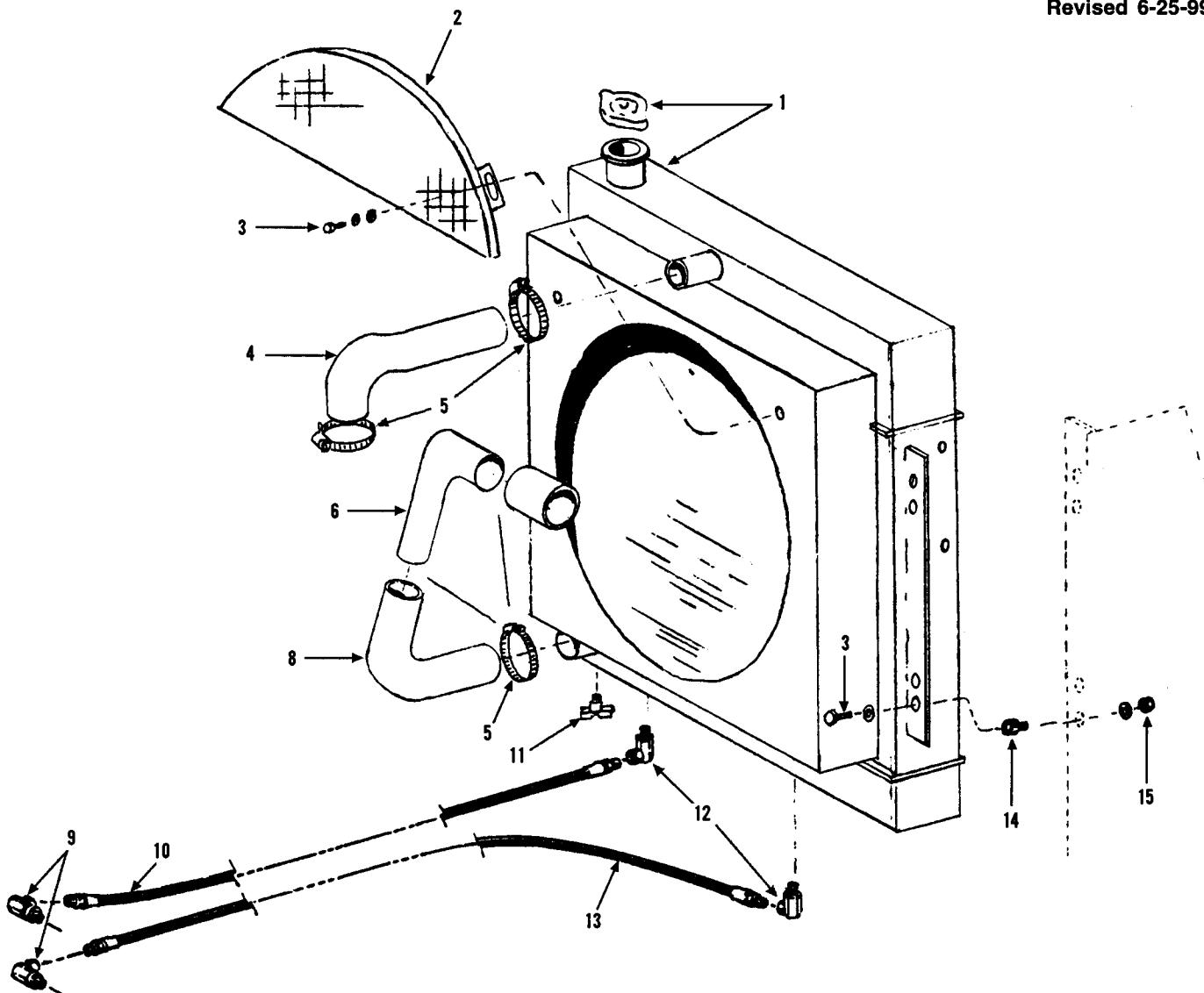


Item	Part No.	Qty.	Description Of Part
1	9040-0654	1	FUEL LEVEL SENDER (includes gasket and mounting hardware)
* 2	9105-6106	1	FUEL LINE (to engine filter)
3	8348-3497	AR	HOSE CLAMP
4	20"		HOSE 5/16" I.D.
5	9040-2827	1	FUEL RETURN LINE (Diesel)
6	8820-1001	2	HEX HD CAPSCREW, 1/4-20X1/2, GR5
7	9002-8674	1	PUSH LOCK FITTING
8		1	HOSE 1/4" I.D.
9	9103-6047	1	FUEL TANK
10	8871-1255	1	SQ. HD PIPE PLUG, 1"
*			

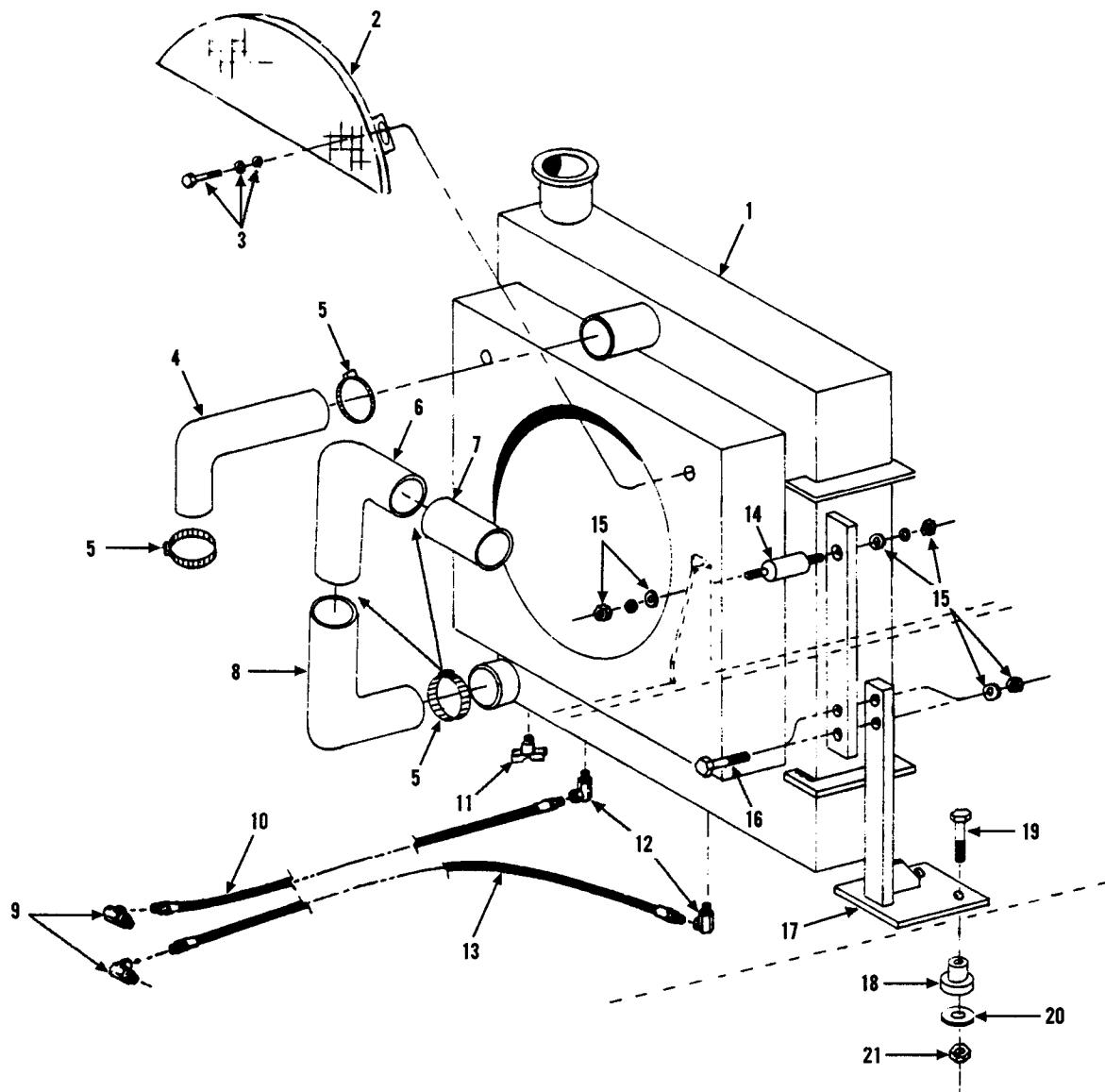
Item	Part No.	Qty.	Description Of Part
*11	9100-3186	1	FILLER BREATHER (includes gasket and mounting hardware)
	8654-1381	1	SCREW ON GAS CAP
12	9020-5223	1	SUCTION SCREEN
*13	8855-1009	2	LOCKWASHER, 1/4
*14	8871-1212	1	PIPE COUPLING, 3/8
*15	8820-1065	1	HEX HD CAPSCREW, 1/2-13X1, GR5
16	8820-1071	1	HEX HD CAPSCREW, 1/2-13X2-1/2, GR5
*17	9103-3054	1	WATER SEPARATOR
*18	9103-3131	1	
*			
*			



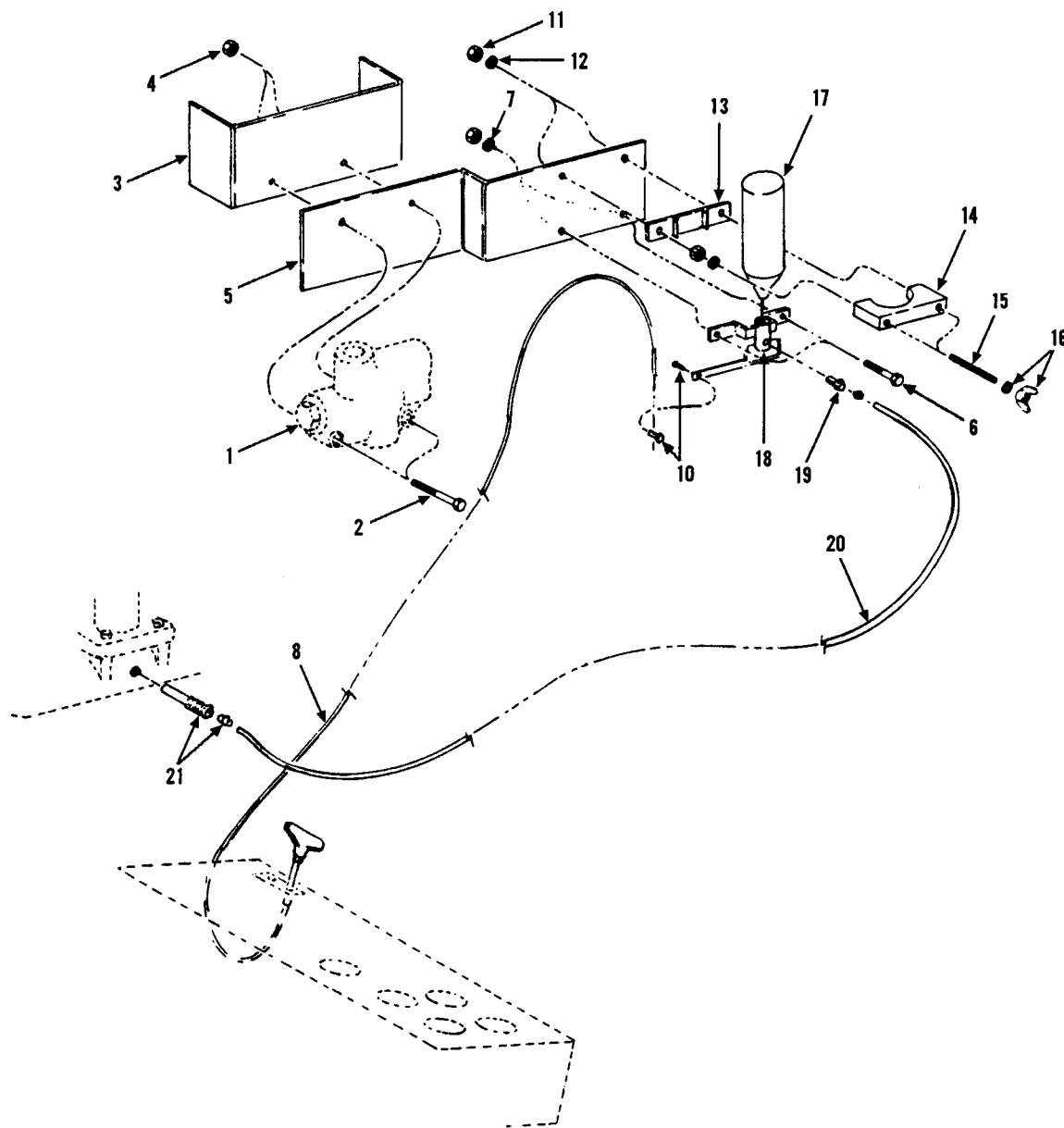
Item	Part No.	Qty.	Description Of Part
1	9060-1917	1	RADIATOR
		1	CAP
2	9020-0342	4	COMPRESSION MOUNTING
3	8820-1038	AR	HEX HD CAPSCREW, 3/8-16 X 1 3/4
	9020-5918	10	WASHER, 3/8"
4	8852-1206	AR	HEX LOCKNUT, 3/8-16
5	9002-8492	2	ELBOW - 90 DEGREE
6	9020-0557	1	DRAIN PETCOCK
7	9020-5195	1	HIGH PRESSURE HOSE
8	9020-5194	1	HIGH PRESSURE HOSE
9	9002-8496	2	ELBOW - 90 DEGREE
10	8667-1224	1	BOTTOM RADIATOR HOSE
11	9020-6105	1	TOP RADIATOR HOSE
12	8423-1107	4	HOSE CLAMP



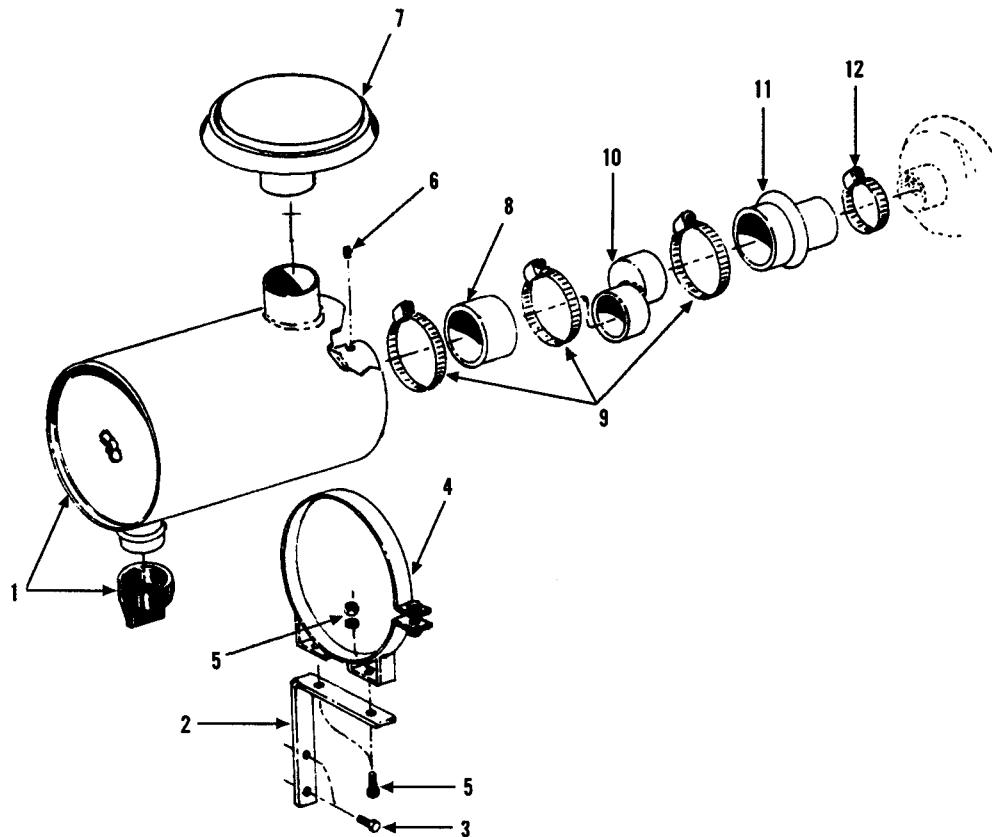
Item	Part No.	Qty.	Description Of Part
1	9103-3048	1	RADIATOR
2	9103-6033	1	FAN GUARD
3	8820-1003	6	CAPSCREW, 1/4-20X3/4
	8855-1009	14	LOCKWASHER, 1/4
	8856-1107	14	FLAT WASHER, 1/4
4	9103-3132	1	HOSE, UPPER RADIATOR
5	8507-1128	6	HOSE CLAMP
6	9103-3061	1	WATER PIPE
7	9103-3062	1	HOSE, CONNECTOR
8	9103-3063	1	HOSE, LOWER RADIATOR
9	9002-8496	2	ELBOW, 90 DEGREE
10	9020-5194	1	HOSE, HIGH PRESSURE
11	8452-1056	1	PETCOCK, DRAIN
12	9002-8492	2	ELBOW, 90 DEGREE
13	9020-5195	1	HOSE, HIGH PRESSURE
14	9103-3137	4	SHOCK MOUNT
15	8852-1305	4	NUT, 1/4X20



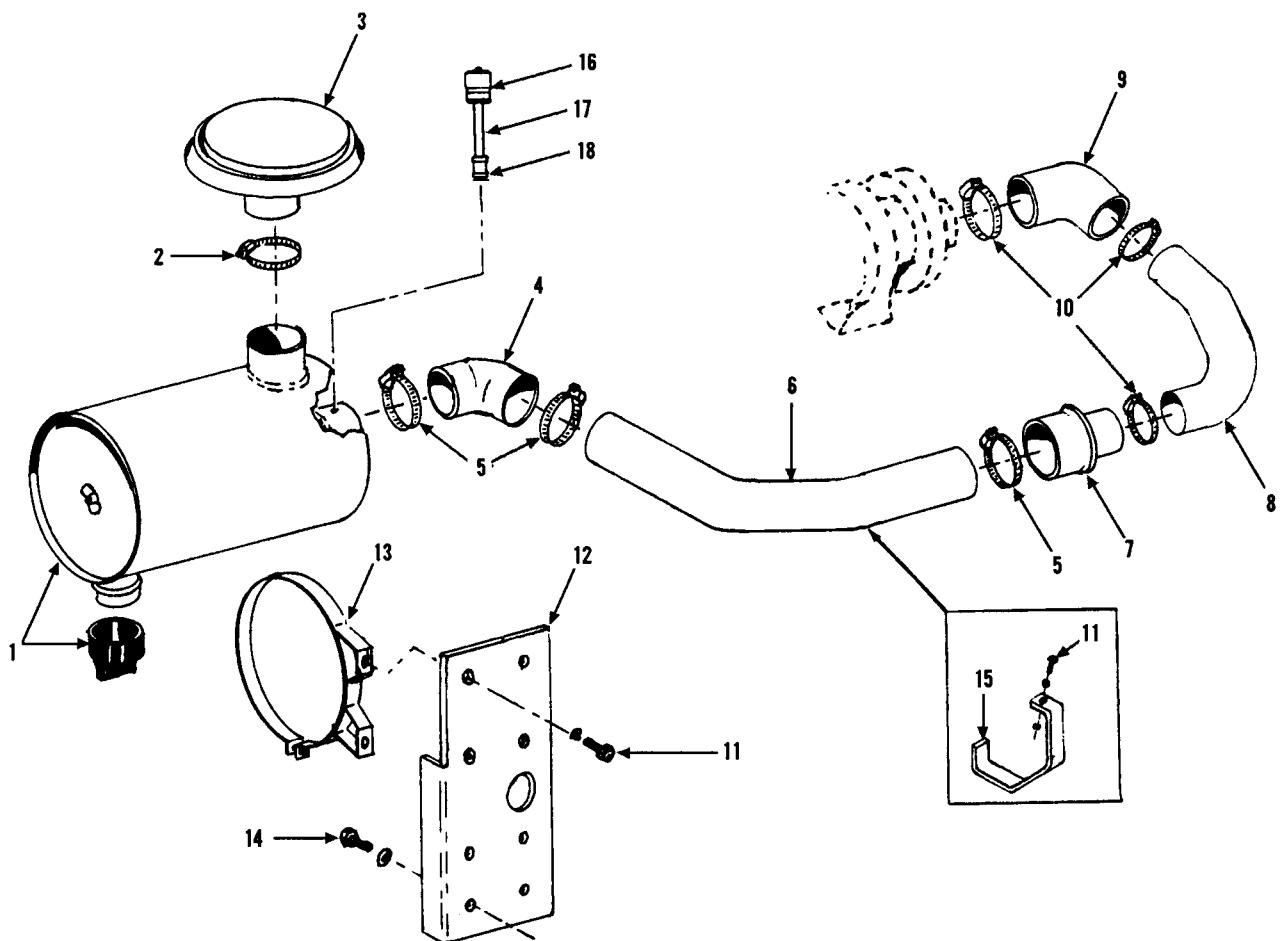
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3254	1	RADIATOR (includes cap)	11	8452-1056	1	DRAIN PETCOCK
	9103-4160	1	CAP	12	8866-1118	2	MALE ELBOW, 90 DEG. 3/4X3/4 TUBE
2	9103-6051	1	FAN GUARD	13	8471-7570	1	HOSE ASSY
3	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4 GR5	14	9103-3137	2	SHOCK MOUNT
	8855-1009	2	LOCKWASHER, 1/4	15	8852-1305	8	HEX LOCKNUT, 5/16-18
	8856-1107	2	FLAT WASHER, 1/4	16	8856-1108	8	FLAT WASHER, 5/16
4	9103-3132	1	UPPER RADIATOR HOSE	17	8820-1022	4	HEX HD CAPSCREW, 5/16-18X1-1/2 GR5
5	8504-1654	6	HOSE CLAMP	18	9100-6016	1	L.H. RADIATOR MOUNT
6	9103-3061	1	LOWER WATER PIPE		9100-6017	1	R.H. RADIATOR MOUNT
7	9103-3062	1	CONNECTOR HOSE	19	8368-3308	4	SHOCK MOUNT
8	9103-3063	1	LOWER RADIATOR HOSE	20	8820-1039	4	HEX HD CAPSCREW, 3/8-16X2, GR5
9	8866-2067	2	ELBOW - 90 DEGREES (includes o-ring)	21	9020-5918	4	SPECIAL WASHER
	8859-1207	2	O-RING	22	8852-1206	4	HEX LOCKNUT, 3/8-16
10	8471-7571	1	HOSE ASSY		9020-7622	1	HOSE GUARD



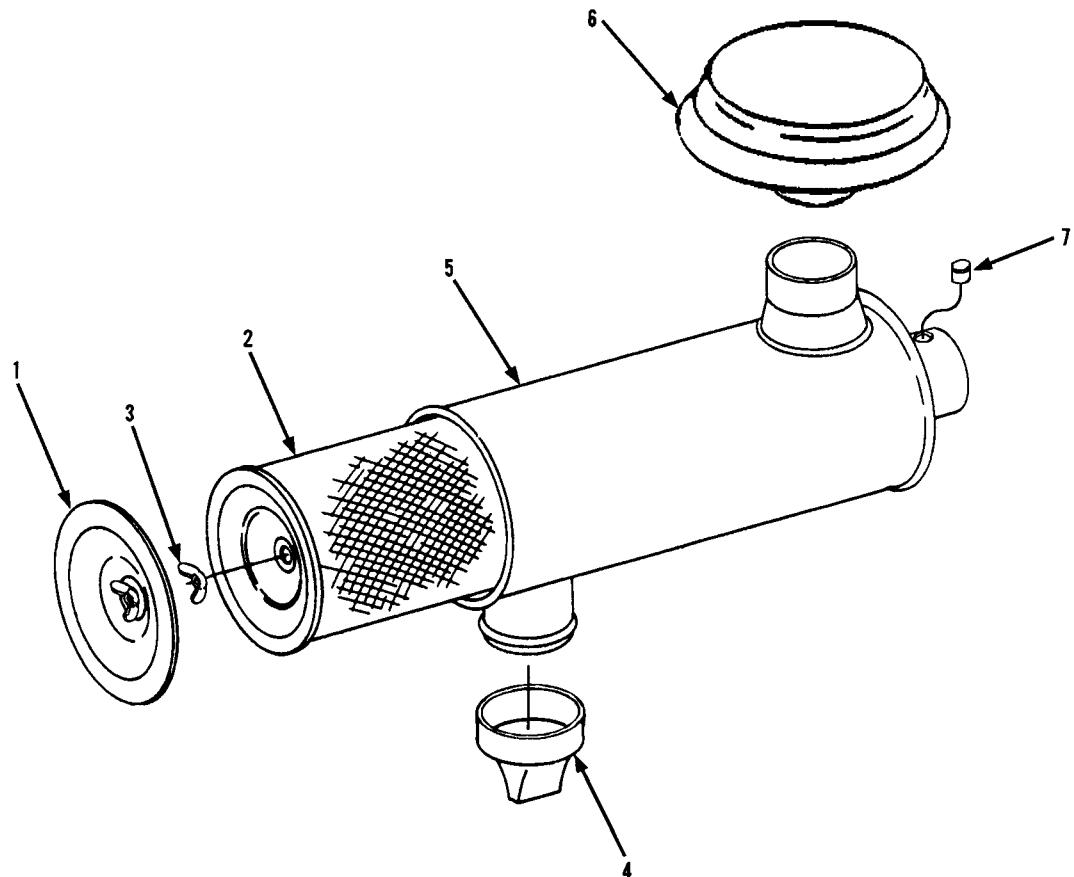
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-5585 9103-3240		PRIORITY VALVE (2000 PSI relief setting) PRIORITY VALVE (2500 PSI relief setting)	9	9020-6316	AR	ETHER START KIT (includes items 10 thru 21)
2	8820-1029	2	HEX HD CAPSCREW, 5/16-18X3 1/4, GR5	10	NSS	1	CABLE STOP
3	9020-5767	1	VALVE MOUNTING BRACKET (existing)	11	NSS	4	NUT
4	8850-1005	2	HEX NUT 5/16-18	12	NSS	4	LOCKWASHER
5	9040-3110	1	ETHER START MOUNTING BRACKET	13	NSS	1	TANK MOUNTING BRACKET
6	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	14	NSS	1	CLAMP
7	8856-1107 8850-1004	2	FLAT WASHER, 1/4	15	NSS	2	STUD
8	9020-0308	1	HEX NUT, 1/4-20	16	NSS	6	LOCKWASHER
	CABLE			17	NSS	2	WING NUT
				18	NSS	1	ETHER TANK
				19	NSS	1	VALVE
				20	NSS	1	VALVE FITTING
				21	NSS	1	HOSE
							ATOMIZER



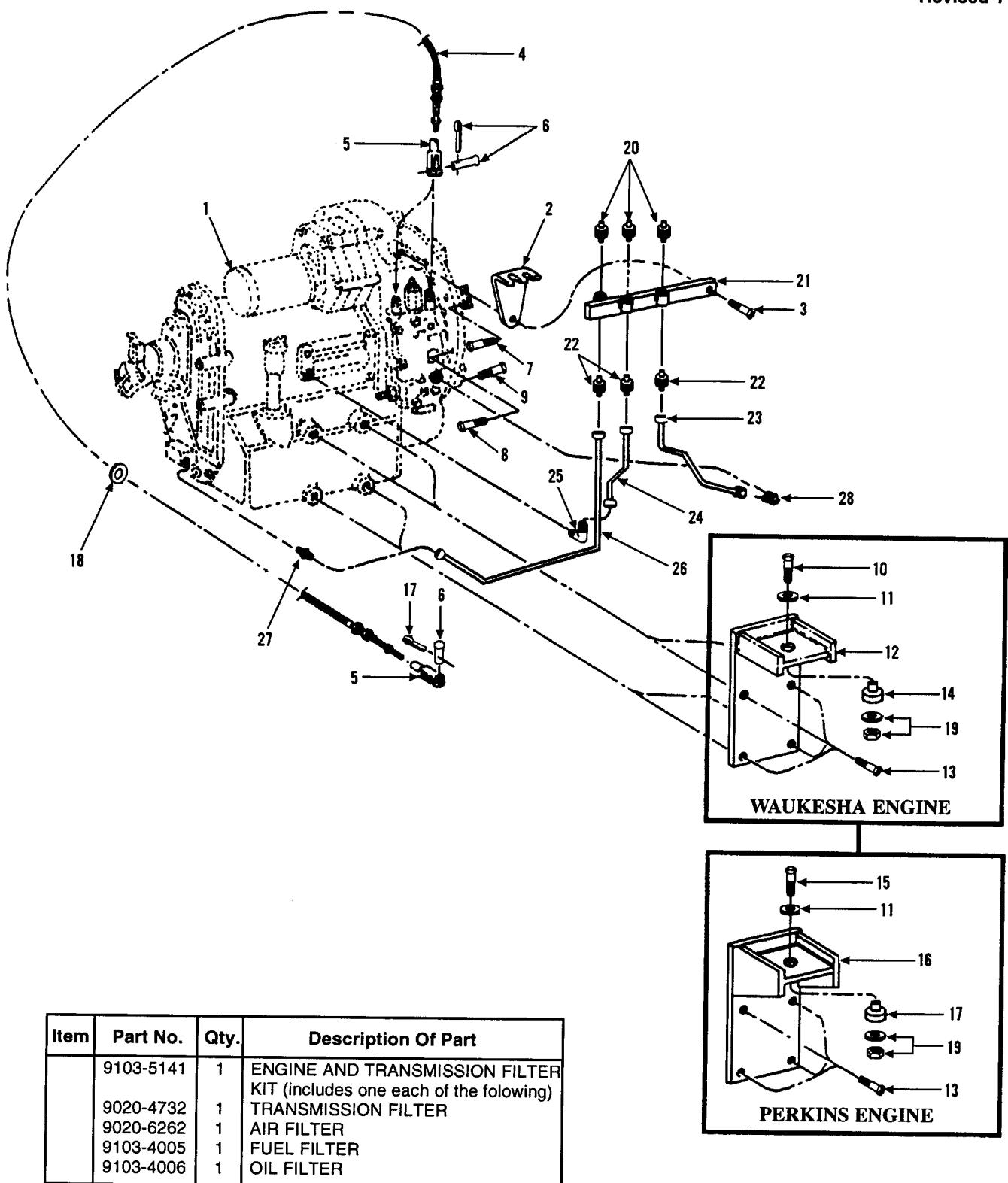
Item	Part No.	Qty.	Description Of Part
1	9020-5663	1	AIR CLEANER
2	9020-7469	2	AIR CLEANER MOUNTING BAR
3	8820-1035	4	HEX HD CAPSCREW, 3/8-16X1, GR5
4	7710-3138	2	AIR CLEANER MOUNTING BANDS
5	8820-1020	4	HEX HD CAPSCREW, 5/16-18X1, GR5
	8852-1205	4	HEX LOCKNUT, 5/16-18
	8855-1010	4	LOCKWASHER, 5/16
6	9002-8682	1	CAP, 1/8 NPT
7	9103-3028	1	FILTER CAP
8	9020-7869	1	HOSE
9	9002-7713	3	CLAMP
10	9020-7863	1	ADAPTER
11	9020-5667	1	REDUCER
12	8511-1214	1	CLAMP



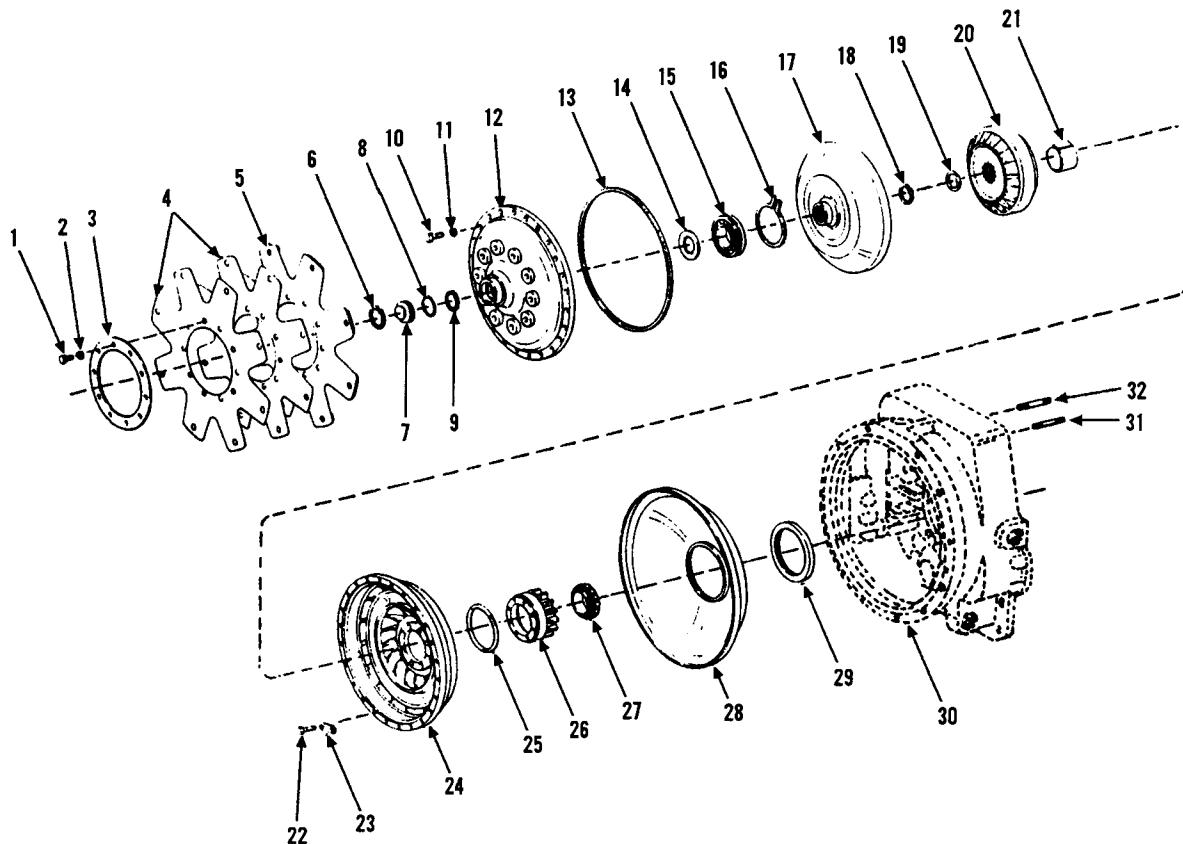
Item	Part No.	Qty.	Description Of Part
1	9020-5663	1	AIR CLEANER
2	8503-1160	1	CLAMP
3	9103-3028	1	INLET CAP
4	9103-3056	1	ELBOW - 90 DEGREE
5	9002-7713	3	HOSE CLAMP
6	9103-3060	1	INTAKE TUBE
7	9103-3055	1	REDUCER
8	9103-3059	1	INTAKE TUBE
9	9103-3058	1	REDUCING ELBOW
10	8688-3327	3	CLAMP
11	8820-1020	5	HEX HD CAPSCREW, 5/16-18X1, GR5
	8856-1108	5	FLAT WASHER, 5/16
	8852-1205	5	HEX LOCKNUT, 5/16-18
12	9103-1042	1	AIR CLEANER BRACKET
13	7710-3138	2	MOUNTING BANDS
14	8820-1018	4	HEX HD CAPSCREW, 5/16-18X3/4, GR5
	8855-1010	4	LOCKWASHER, 5/16
15	9103-1154	1	BRACKET
16	7738-3154	1	SERVICE INDICATOR
17	8870-1023	1	NIPPLE, 1/8X3
18	8871-1210	1	PIPE COUPLING, 1/8



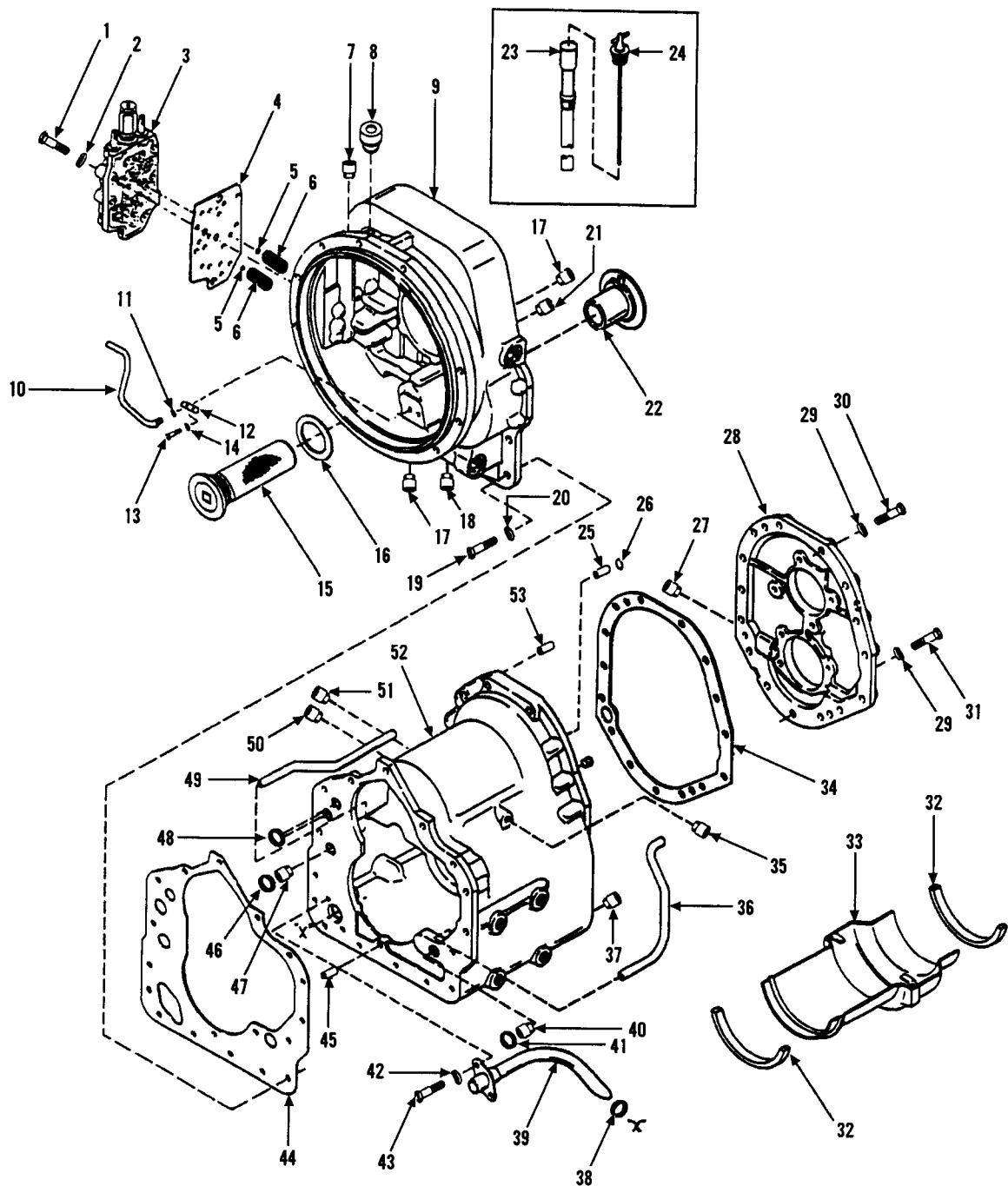
Item	Part No.	Qty.	Description Of Part
1	9020-5663	1	AIR CLEANER (includes items 1 thru 5)
2	9020-6606	1	COVER
3	9020-6262	1	ELEMENT
4	9020-1414	1	WING NUT W/SEAL
5	9020-0807	1	VACUATOR
6	9103-3028	1	BODY (not sold separately, for service, order p/n 9020-5663)
7	9002-8682	1	AIR INLET
			CAP, 1/8" NPT



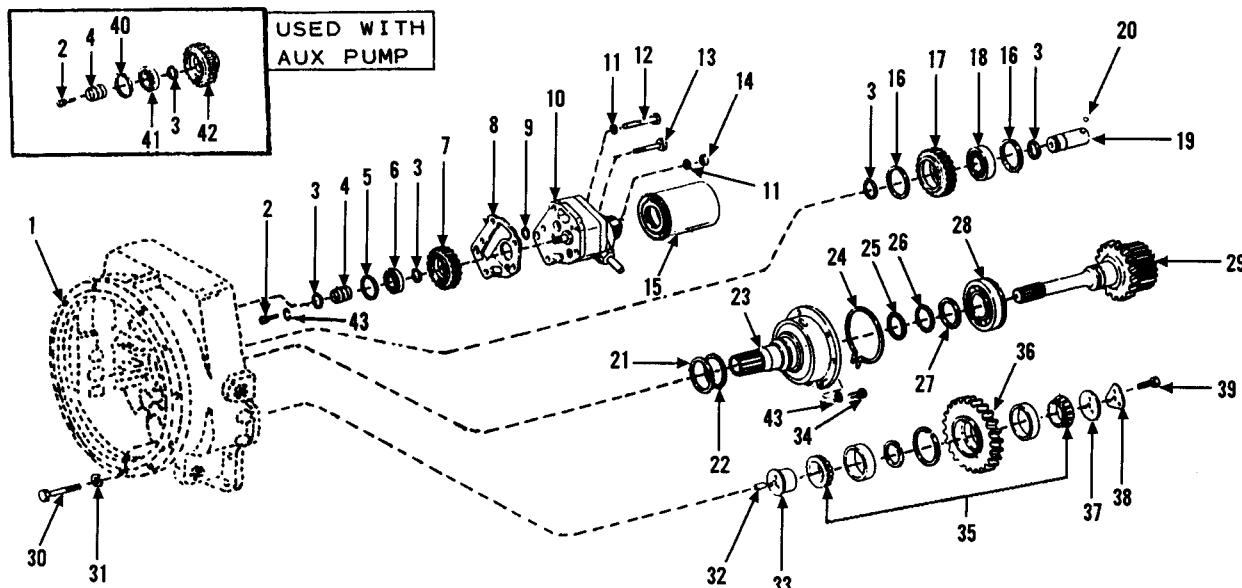
Item	Part No.	Qty.	Description Of Part
*	9103-4326	1	TRANSMISSION O-RING KIT
*	9103-4327	1	TORQUE CONVERTER O-RING KIT
1	9020-5166	1	TRANSMISSION
2	9040-2642	1	CABLE MOUNTING BRACKET
3	8820-1066	1	HEX HD CAPSCREW, 1/2-13X 1-1/4,GR5
4	9020-3374	2	CONTROL CABLE
5	8882-1003	4	ADJUSTABLE YOKE END
6	9002-7720	4	CLEVIS & COTTER PIN
7	9002-8664 8820-1537	8	BOLT, 12 PT. 3/8X1-1/4 (waukesha) HEX HD CAPSCREW, 3/8-24X1-3/4, GR5 (perkins only)
8	8820-1036	11	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5
	8855-1011	11	LOCKWASHER, 3/8
9	9020-5002	1	STUD, 3/8-16X1-3/4
	8850-1006	1	HEX NUT, 3/8-16
10	8820-1119	2	HEX HD CAPSCREW, 3/4-10X4, GR5
11	9020-7219	2	WASHER
12	9060-1946	1	MOUNTING BRACKET (left)
	9060-1947	1	MOUNTING BRACKET (right)
13	8820-1110	8	HEX HD CAPSCREW, 3/4-10X1-3/4, GR5
	8855-1016	8	LOCKWASHER, 3/4
*14	9060-0097	2	COMPRESSION MOUNTING
15	8820-1120	2	HEX HD CAPSCREW, 3/4-10X4-1/2, GR5
16	9103-6008	2	MOUNTING BRACKET
17	8507-1340	2	COMPRESSION MOUNTING
18	9020-2303	2	CABLE GROMMET
19	8850-1012	2	HEX NUT, 3/4-10
	8856-1115	2	FLAT WASHER, 3/4
*20	9103-5112	3	PRESSURE SWITCH
21	9040-3349	1	SWITCH BRACKET
22	8874-3000	3	MALE ADAPTER, 1/8X1/4 TUBE
23	9020-7258	1	TUBE LINE
24	9020-7257	1	TUBE LINE
25	8874-3055	1	MALE ELBOW, 90 DEGREES, 1/4X1/4 TUBE
26	9020-7256	1	TUBE LINE
27	9002-8750	1	ADAPTER
28	8874-3041	1	MALE ELBOW, 90 DEGREES, 1/8X1/4 TUBE
*29	9103-3283	1	TRANS. TEMP. SENDER (not shown)
*30	9103-3282	1	TRANS. TEMP. GAGE (not shown) (see page 11-1 & 11-1A for details)



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8820-1033	10	HEX HD CAPSCREW, 3/8-16X3/4, GR5	17	7710-4033	1	TURBINE
2	8855-1011	10	LOCKWASHER, 3/8	18	7710-4032	1	TURBINE RETAINING RING
3	7710-4044	1	DRIVE PLATE BACKING RING	19	7710-4031	1	RETAINING RING
* 4	7710-4043	2	DRIVE PLATE	20	9104-4048	1	REACTION MEMBER
* 5	9020-4783	1	DRIVE PLATE ASSY	21	9020-6387	1	SPACER
6	9020-4782	1	BORE PLUG RETAINING RING	22	8820-1352	8	HEX HD CAPSCREW, 3/8-24X3/4, GR5
7	7710-4040	1	BORE PLUG	23	7710-4027	4	LOCK TAB
8	7710-4039	1	O-RING	24	9020-4767	1	IMPELLER
9	7710-4032	1	TURBINE RETAINING RING	25	7710-4012	1	O-RING
10	7710-4046	24	HEX HD CAPSCREW & LOCK WASHER ASSY, (includes item 11)	26	9020-6386	1	IMPELLER HUB GEAR
11		24	LOCKWASHER, (included with item 10)	27	9020-6385	1	IMPELLER HUB GEAR BEARING
12	9020-4779	1	IMPELLER COVER	28	9020-4756	1	OIL BAFFLE ASSY
13	7710-4037	1	O-RING	29	9020-4755	1	OIL SEAL
14	7710-4036	1	BEARING RETAINING WASHER	30	Ref		CONVERTER HOUSING, (see page 6-4 for details)
15	7710-4035	1	TRUBINE HUB BEARING	31			PUMP MOUNTING STUD
16	7710-4034	1	BEARING LOCATING RING	32	9020-6378	1	PUMP MOUNTING STUD

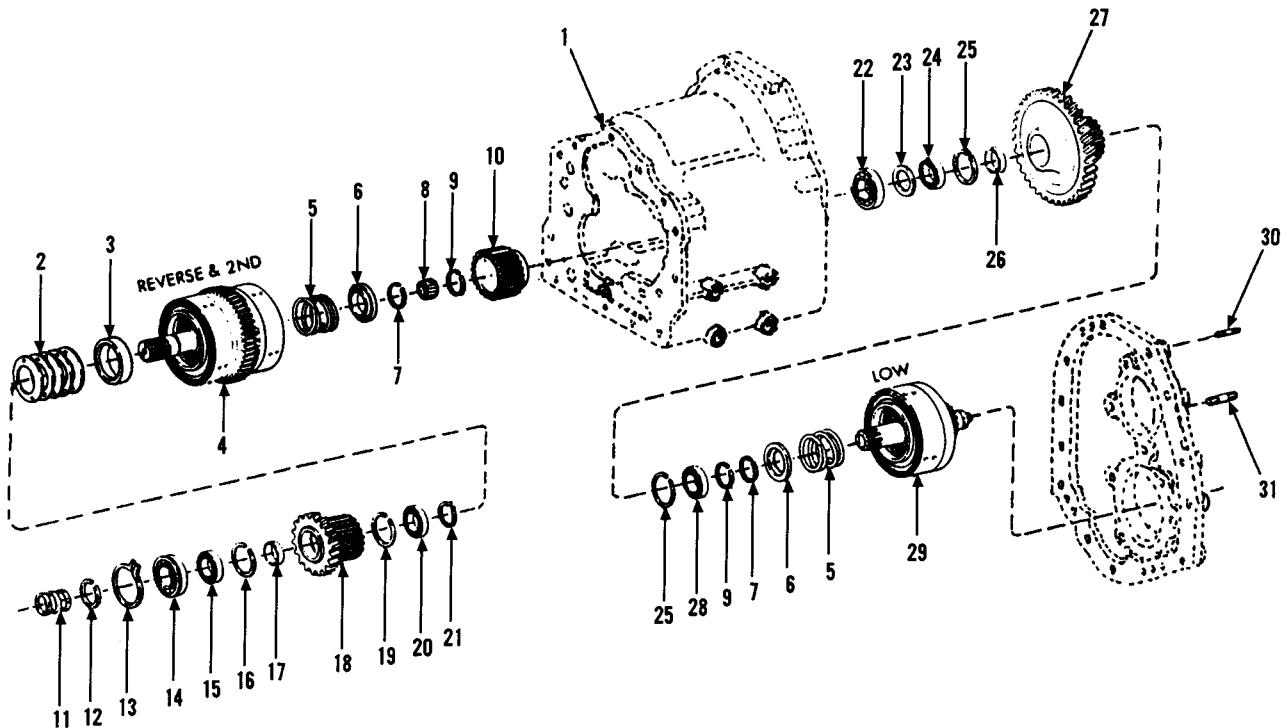


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8820-1046	9	HEX HD CAPSCREW, 3/8-16X3-3/4, GR5	29	7710-4085	15	LOCKWASHER
2	8855-1011	9	LOCK WASHER, 3/8	30	8820-1053	9	HEX HD CAPSCREW, 7/16-14X1-3/4, GR5
3	Ref		MODULATOR VALVE ASSY (see page 6-10 for details)	31	7710-4086	6	HEX HD CAPSCREW
4	7710-4283	1	GASKET	32	9020-4806	2	OIL BAFFLE SEAL
5	7710-4284	2	DETENT BALL	33	9020-4807	1	OIL BAFFLE
6	7710-4285	2	DETENT SPRING	34	9020-4802	1	GASKET
7	7710-4112	1	PIPE PLUG	35	7710-4112	2	PIPE PLUG
8	7710-4096	1	AIR BREATHER	36	9020-4804	1	CLUTCH LUBE TUBE
9	9103-4246	1	CONVERTER HOUSING ASSY (includes items 10 thru 14)	37	7710-4119	1	MAGNETIC DRAIN PLUG
10	9104-4050	1	LUBE BYPASS TUBE	38	7710-4057	1	O-RING
11	9104-4051	1	O-RING	39	9020-4809	1	SUCTION TUBE ASSY
12	9104-4052	1	TUBE CLIP	40	7710-4107	1	TUBE SLEEVE
13	7710-4102	1	HEX HD CAPSCREW	41	7710-4111	1	O-RING
14	7710-4103	1	LOCKWASHER	42	8855-1010	2	LOCKWASHER, 5/16
15	9020-4800	1	SCREEN ASSY	43	8820-1017	2	HEX HD CAPSCREW, 5/16-18X5/8, GR5
16	9020-4799	1	SCREEN GASKET	44	7710-4098	1	GASKET
17	9002-7267	2	PIPE PLUG	45	7710-4113	1	DOWEL PIN
18	7710-4116	1	PIPE PLUG	*46	7710-4111	1	O-RING
19	7710-4086	16	HEX HD CAPSCREW	47	7710-4109	1	TUBE SLEEVE
20	7710-4085	16	LOCKWASHER	48	7710-4048	2	O-RING
21	7710-4116	1	PIPE PLUG	49	7710-4110	1	LOW SPEED CLUTCH PRESSURE TUBE
22	7710-4097	1	CONVERTER HOUSING SLEEVE	50	7710-4112	1	PIPE PLUG
23	9020-4823	1	DIPSTICK TUBE	51	7710-4118	1	PIPE PLUG
24	9020-4824	1	DIPSTICK	52	9020-4817	1	TRANSMISSION CASE ASSY (includes items 25, 32, 33, 36, 38, 39, 40, 42, 43, 47, 49)
25	7710-4109	1	TUBE SLEEVE	53	7710-4113	2	DOWEL PIN
26	7710-4111	1	O-RING				
27	7710-4116	1	PIPE PLUG				
28	9020-4798	1	COVER & PLUG ASSY (includes item 27)				

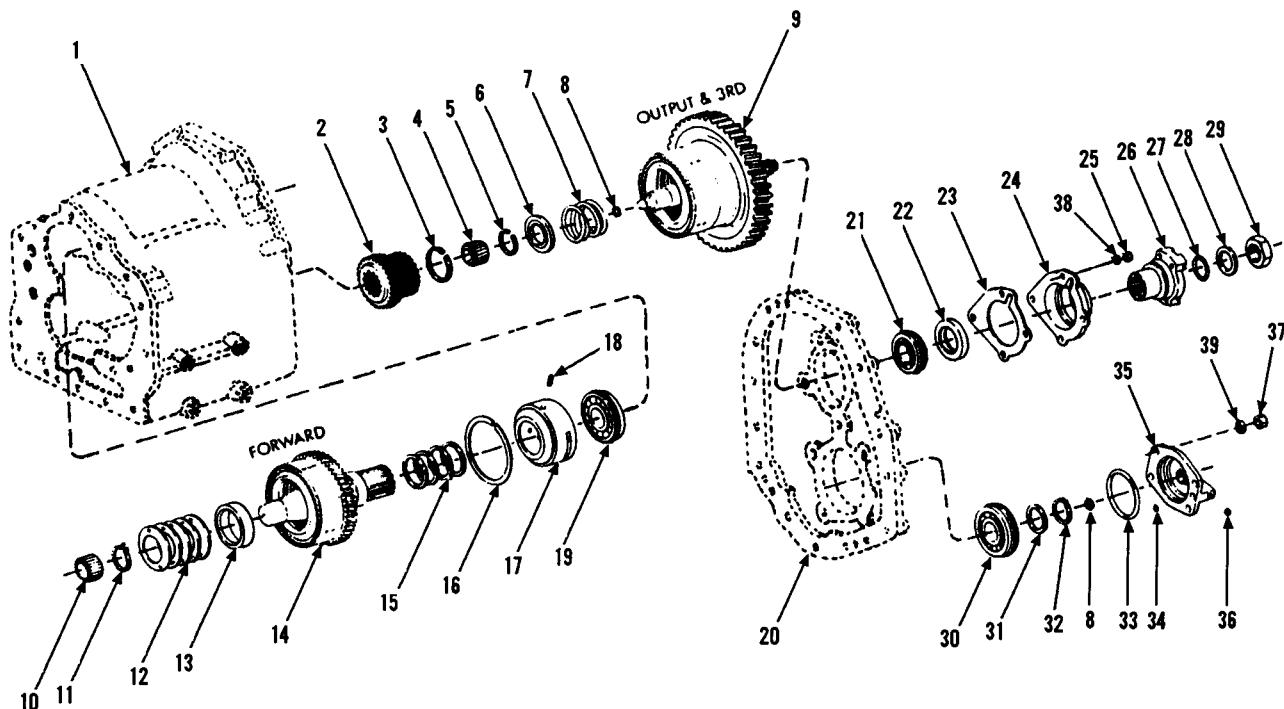


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1		Ref	CONVERTER HOUSING (see page 6-4 for details)	21	9020-6377	1	PISTON RING
2	8820-1036	AR	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5	22	7710-4016	1	PISTON RING EXPANDER SPRING
3	9020-4733	AR	BEARING LOCATING RING	23	9020-6376	1	STATOR SUPPORT
4	9020-4734	AR	PUMP DRIVE BEARING SUPPORT	24	9020-4749	1	SNAP RING
5	9020-4735	1	BEARING RETAINING RING	25	9020-4748	1	PISTON RING
6	9020-4793	1	PUMP DRIVE GEAR BEARING	26	7710-4164	1	BEARING RETAINING RING
7	9020-4737	1	PUMP DRIVE GEAR	27	7710-4197	1	BEARING LOCATING WASHER
8	9020-4730	1	GASKET	28	9104-4053	1	TURBINE SHAFT WASHER
9	7710-4048	1	O-RING	29	9104-4054	1	HUB ASSY
10	9020-4731	1	CHARGING PUMP ASSY	30	7710-4250	3	HEX HD CAPSCREW
	9103-4331	1	CHARGE PUMP SEAL KIT	31	7710-4085	3	LOCKWASHER
11	7710-4085	3	LOCKWASHER	32	7710-4253	1	IDLER SHAFT PIN
12	9002-8641	1	HEX HD CAPSCREW	33	7710-4254	1	REVERSE IDLER SHAFT
13	8820-1062	2	HEX HD CAPSCREW, 7/16-14X4, GR5	34	8820-1035	6	HEX HD CAPSCREW, 3/8-16X1, GR5
14	7710-4204	2	HEX NUT	35	7710-4255	1	BEARING ASSY
15	9020-4732	1	FILTER	36	9020-6382	1	REVERSE IDLER GEAR
16	7710-4181	2	BEARING RETAINING RING	37	7710-4257	1	BEARING RETIANING PLATE
17	9020-4740	1	IDLER GEAR	38	7710-4258	1	LOCK PLATE
18	9020-4741	1	IDLER STUB SHAFT BEARING	39	9020-6384	3	HEX HD CAPSCREW
19	9020-4738	1	IDLER GEAR SHAFT	40	9020-4787	1	BEARING RETAINING RING
20	9020-5047	1	LOCK BALL	41	9020-4788	1	AUXILIARY PUMP GEAR BEARING
				42	9020-4790	1	AUXILIARY PUMP DRIVE GEAR
				43	8855-1011	AR	LOCKWASHER, 3/8

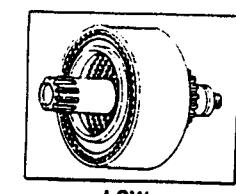
* Changed the page number from 6-5 to 6-4.



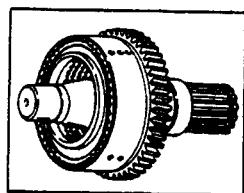
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1		Ref	TRANSMISSION CASE ASSY (see page 6-4 for details)	16	7710-4224	1	RETAINING RING
2	7710-4207	5	PISTON RETURN SPRING	17	7710-4225	1	SPACER
3	7710-4208	1	RETURN SPRING SPACER	18	7710-4226	1	REVERSE CLUTCH GEAR & HUB ASSY
4		Ref	REVERSE & 2ND SHAFT DRUM & PLUG ASSY (see page 6-8 for details)	19	7710-4224	1	RETAINING RING
5	7710-4187	1	PISTON RETURN SPRING	20	7710-4227	1	CLUTCH DRIVEN GEAR BEARING
6	7710-4186	2	SPRING RETAINER	21	7710-4206	1	SNAP RING
7	7710-4185	2	SNAP RING	22	7710-4158	1	LOW SPEED SHAFT FRONT BEARING
8	7710-4231	1	REVERSE & 2ND SHAFT REAR BEARING	23	7710-4179	1	SPACER
9	7710-4184	2	RETAINING RING	24	7710-4180	1	LOW SPEED GEAR BEARING
10	7710-4232	1	CLUTCH DISC HUB	25	7710-4181	2	LOCATING RING
11	7710-4219	3	PISTON RING	26	7710-4182	1	SPACER
12	7710-4220	1	RETAINING RING	27	9020-4874	1	LOW GEAR & HUB ASSY
13	7710-4221	1	SNAP RING	28	7710-4180	1	LOW SPEED GEAR BEARING
14	7710-4222	1	REVERSE & 2ND SHAFT FRONT BEARING	29		Ref	LOW CLUTCH DRUM & BLEED VALVE ASSY (see page 6-8 for details)
15	7710-4223	1	CLUTCH DRIVER GEAR BEARING	30	7710-4177	4	BEARING CAP STUD
				31	7710-4203	4	BEARING CAP STUD



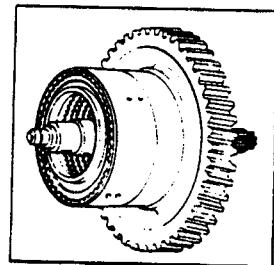
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1		Ref	TRANSMISSION CASE ASSY (see page 6-4 for details)	20		Ref	COVER & PLUG ASSY (see page 6-4 for details)
2	9020-4866	1	THIRD GEAR & HUB ASSY	21	9020-4829	1	OUTPUT SHAFT BEARING
3	9020-4864	1	RETAINING RING	22	9020-4831	1	OIL SEAL
4	9020-4862	1	PILOT BEARING	23	9020-6394	1	GASKET
5	7710-4185	1	SNAP RING	24	9020-6395	1	CAP
6	7710-4186	1	SPRING RETAINER	25	7710-4142	4	HEX NUT
7	7710-4187	1	PISTON RETURN SPRING	26	9020-6396	1	OUTPUT FLANGE
8	7710-4198	1	PISTON RING	27	7710-4128	1	O-RING
9		Ref	OUTPUT SHAFT & 3RD CLUTCH ASSY (see page 6-8 for details)	28	7710-4088	1	FLANGE WASHER
10	7710-4205	1	SHAFT PILOT BEARING	29	7710-4087	1	FLANGE NUT
11	7710-4206	1	SNAP RING	30	9020-4842	1	LOW SPEED SHAFT BEARING
12	7710-4207	5	PISTON RETURN SPRING	31	7710-4197	1	BEARING SUPPORT WASHER
13	7710-4208	1	SPACER	32	7710-4184	1	BEARING RING
14		Ref	FOWARD SHAFT DRUM & PLUG ASSY (see page 6-8 for details)	33	7710-4202	1	O-RING
15	7710-4211	4	PISTON RING	34	7710-4199	1	O-RING
16	7710-4212	1	RETAINER RING	35	9020-4851	1	REAR BEARING CAP & PLUG ASSY (includes item 36)
17	7710-4213	1	PISTON RING SLEEVE	36	7710-4201	1	PIPE PLUG
18	7710-4214	1	ROLL PIN	37	7710-4204	4	HEX NUT
19	7710-4215	1	FOWARD SHAFT BEARING	38	7710-4143	4	LOCKWASHER
				39	7710-4085	4	LOCKWASHER



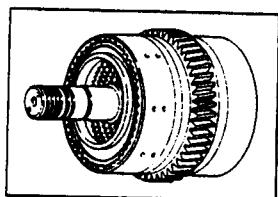
LOW



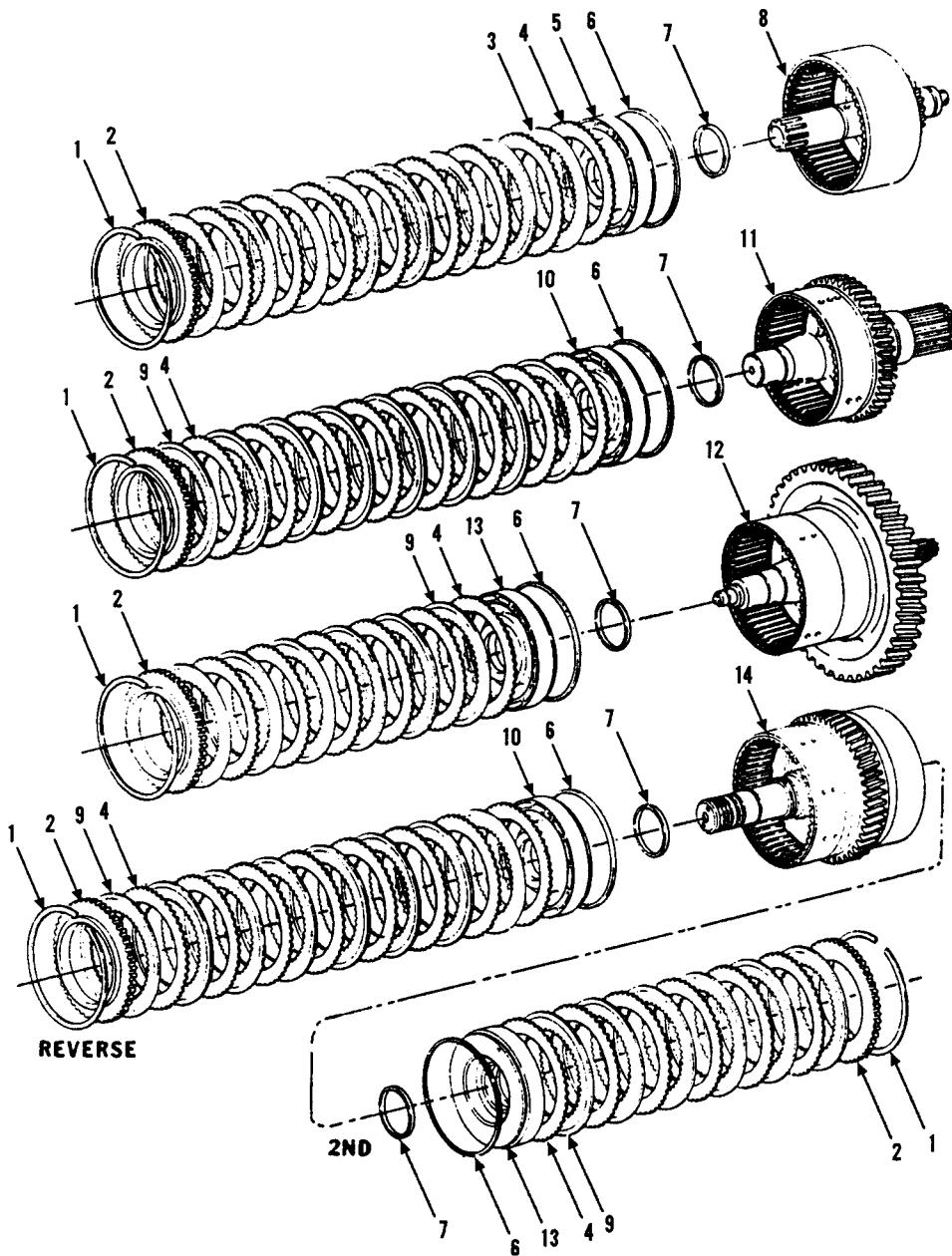
FORWARD



3RD



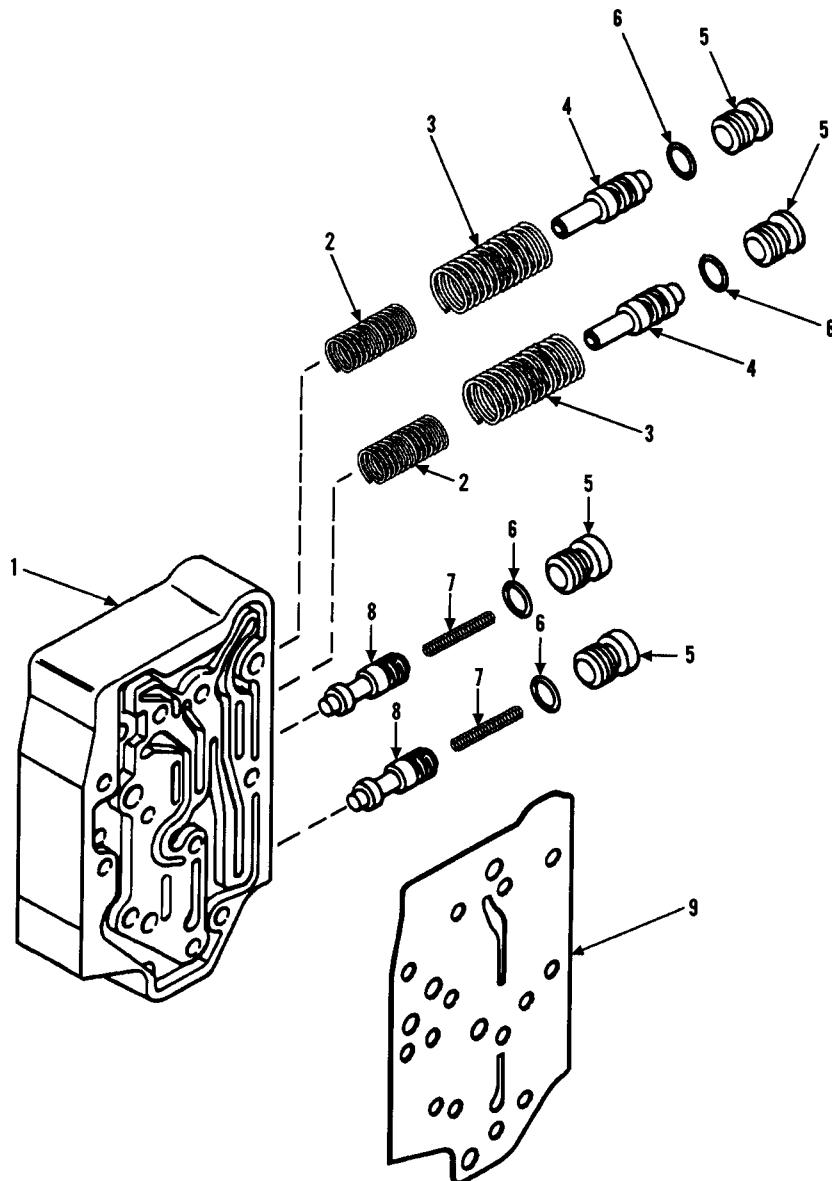
REVERSE



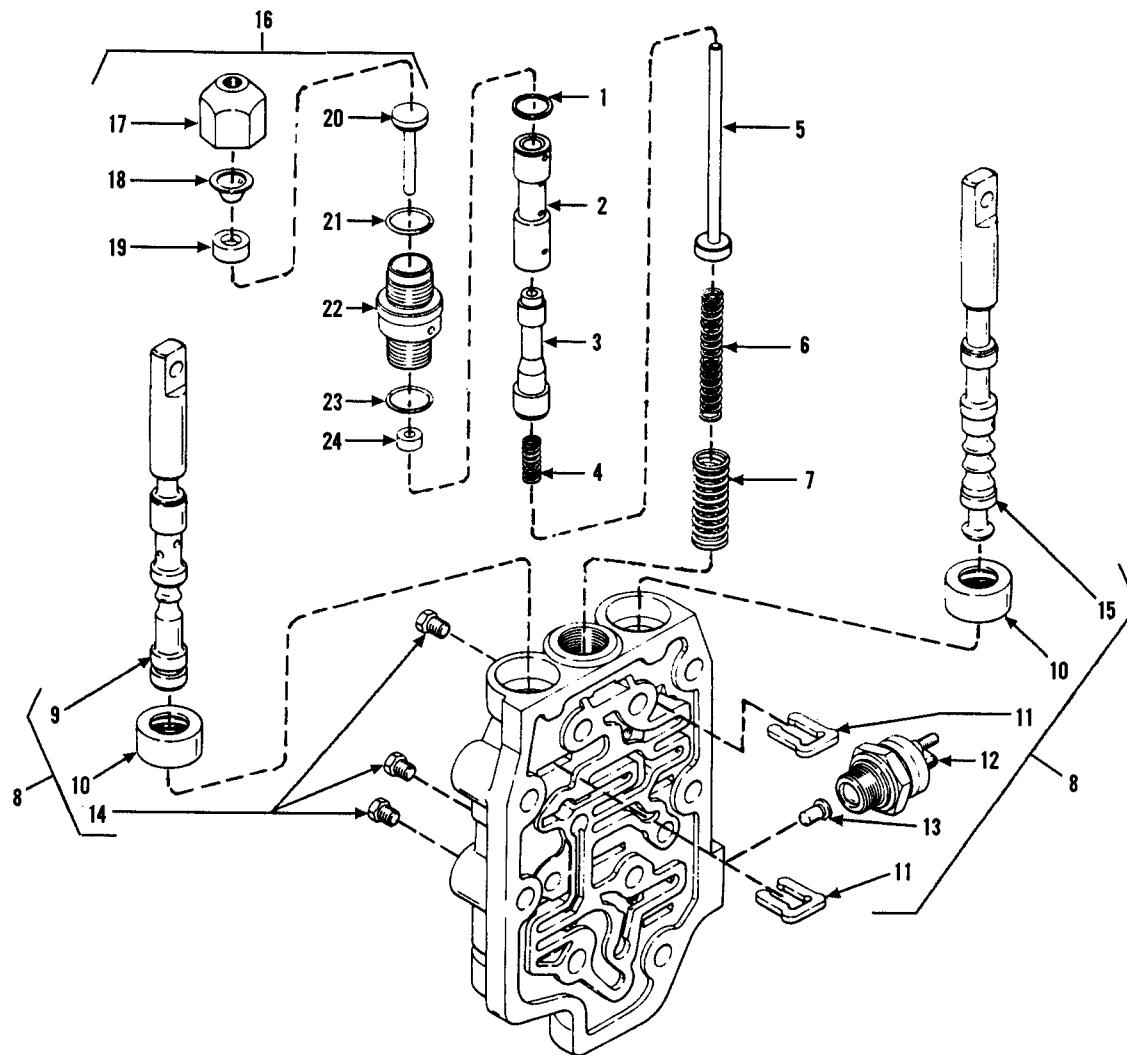
2ND

Item	Part No.	Qty.	Description Of Part
1	7710-4188	5	SNAP RING
2	7710-4189	5	CLUTCH DISC BREAKING PLATE
3	7710-4190	8	CLUTCH INNER DISC (low)
4	7710-4191	36	CLUTCH OUTER DISC
5	7710-4192	1	CLUTCH PISTON (low)
6	7710-4193	5	OUTER CLUTCH PISTON RING
7	7710-4194	5	INNER CLUTCH PISTON SEAL
8	9020-4935	1	LOW CLUTCH SHAFT, DRUM & BLEED VALVE ASSY
9	7710-4209	28	CLUTCH INNER DISC (forward, 3rd, reverse & second)

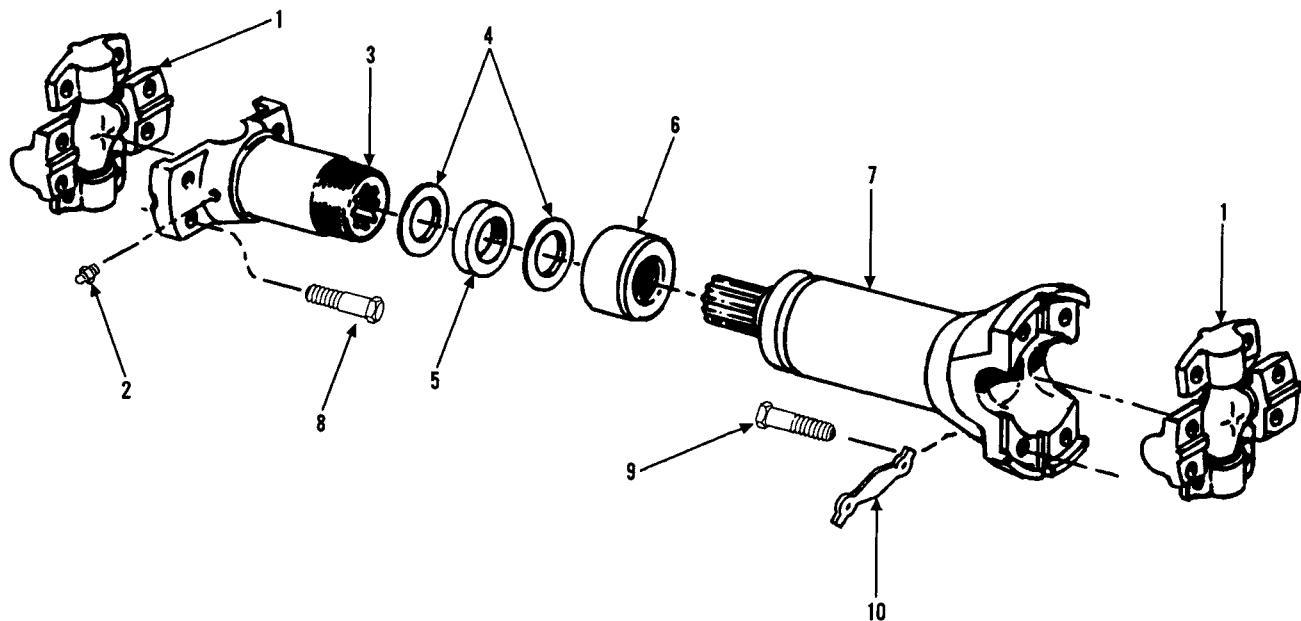
Item	Part No.	Qty.	Description Of Part
10	9020-4938	2	CLUTCH PISTON (forward, reverse & 2nd)
11	9020-4939	1	FORWARD SHAFT, DRUM & PLUG ASSY
12	9020-6403	1	THIRD CLUTCH SHAFT, DRUM & PLUG ASSY
13	7710-4230	2	CLUTCH PISTON (3rd & 2nd)
14	9020-4944	1	REVERSE & 2ND SHAFT, DRUM & PLUG ASSY



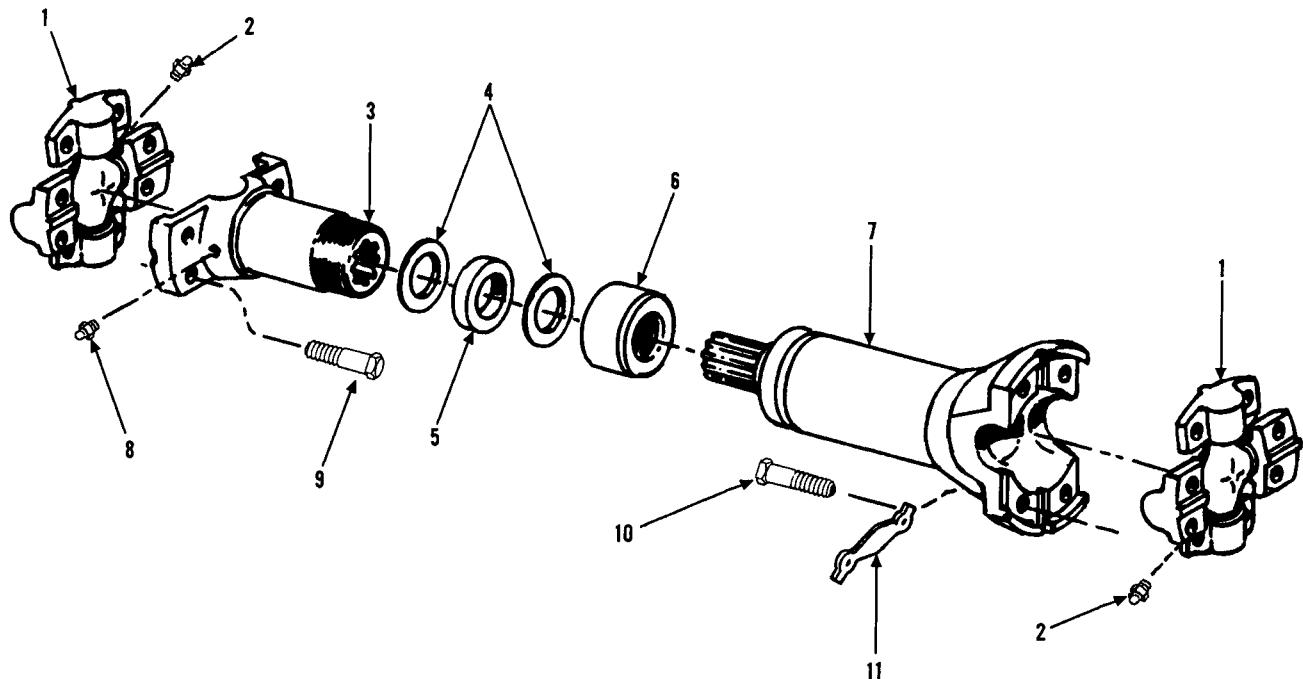
Item	Part No.	Qty.	Description Of Part
	9020-4990	1	MODULATOR VALVE (includes all items)
1	NSS	1	VALVE HOUSING
2	9020-4991	2	ACCUMULATOR SPRING (inner)
3	9020-4992	2	ACCUMULATOR SPRING (outer)
4	NSS	2	VALVE
5	9020-5057	4	SPOOL STOP PLUG (includes item 6)
6	9020-5056	4	O-RING
7	9020-4822	2	REGULATOR SPRING
8	NSS	2	REGULATOR SPOOL
9	9020-4820	1	GASKET, VALVE TO HOUSING



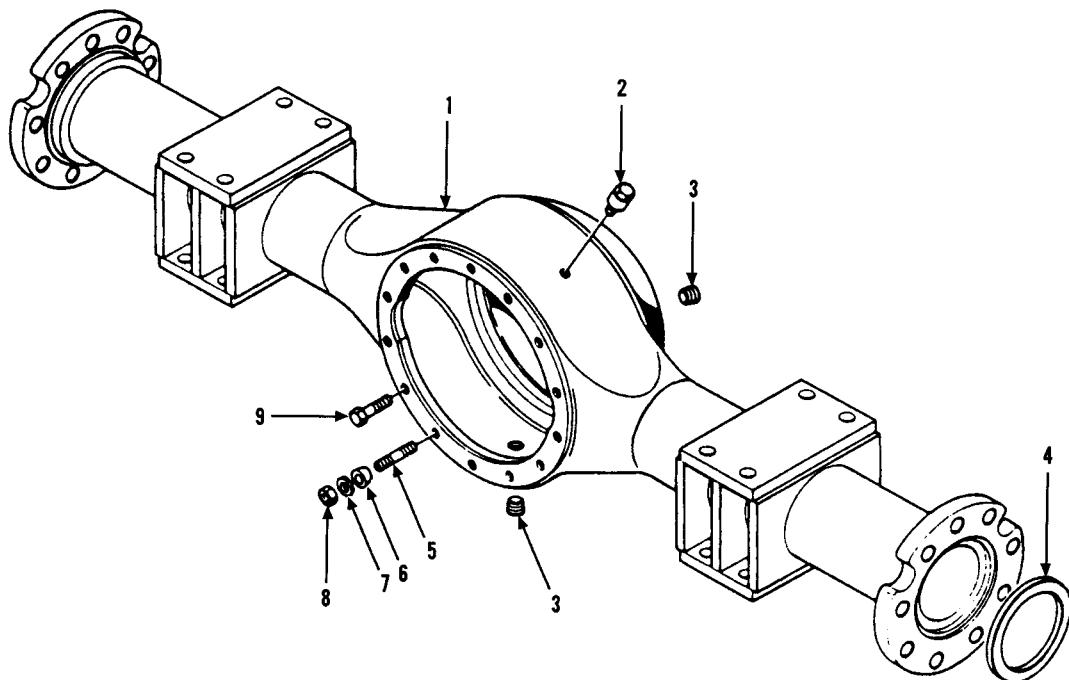
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9020-4988		CONTROL VALVE (includes all items)	16	9020-4955	1	INCHING SLAVE CYLINDER ASSY (consists of items 17 thru 24)
1	9020-4957	1	RETAINING RING	17	9020-4980	1	CAP
2	9020-4959	1	INCHING VALVE SLEEVE	18	9020-4981	1	PISTON CUP STOP
3	9020-4960	1	VALVE SPOOL	19	9020-4982	1	PISTON CUP
4	9020-4962	1	BALANCING SPRING	20	9020-4983	1	PISTON
5	9020-4964	1	ROD	21	9020-5058	1	O-RING
6	9020-4966	1	RETURN SPRING (inner)	22	9020-4984	1	PISTON HOUSING & FILTER DISC ASSY
7	9020-4968	1	RETURN SPRING (outer)	23	8859-1013	1	O-RING
8	7710-4272	1	VALVE HOUSING (consists of items 9 thru 15)	24	9020-4986	1	OIL SEAL
9	7710-4273	1	SPEED SELECTOR SPOOL & PLUG ASSY				NOTE: FIELD SERVICE OF ITEM 12 NEUTRAL SWITCH REQUIRES REMOVAL & REPLACEMENT OF STUDS WITH 2 PAN HEAD SCREWS. GRADALL PART NO. 8998-1036.
10	9020-4971	1	OIL SEAL				
11	7710-4277	2	SPool STOP				
12	7710-4278	1	NEUTRAL SWITCH				
13	7710-4279	1	SWITCH ACTUATING PIN				
14	9002-6763	3	PIPE PLUG 1/8-27 NPTF				
15	7710-4276	1	FORWARD & REVERSE SPOOL				



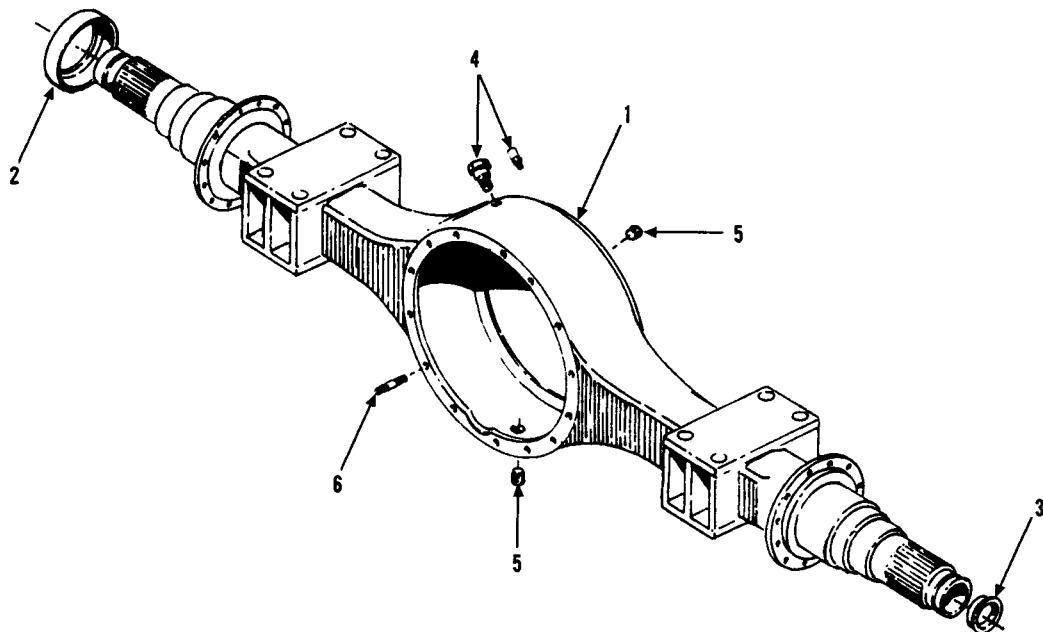
Item	Part No.	Qty.	Description Of Part
	9104-3032	1	DRIVE SHAFT ASSY (includes all items)
1	9020-1058	2	SPIDER & BEARING ASSY
2	8867-1008	1	LUBE FITTING - STRAIGHT - 1/8
3	9104-4008	1	SLIP YOKE ASSY (includes items 4, 5 & 6)
4	9020-6545	2	WASHER
5	9020-6546	1	FELT SEAL
6	9020-6544	1	CAP
7		1	TUBE ASSY
8	9104-4009	8	HEX HD CAPSCREW
9	9104-4010	8	HEX HD CAPSCREW
*10	9103-1194	8	LOCKSTRAP
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE			



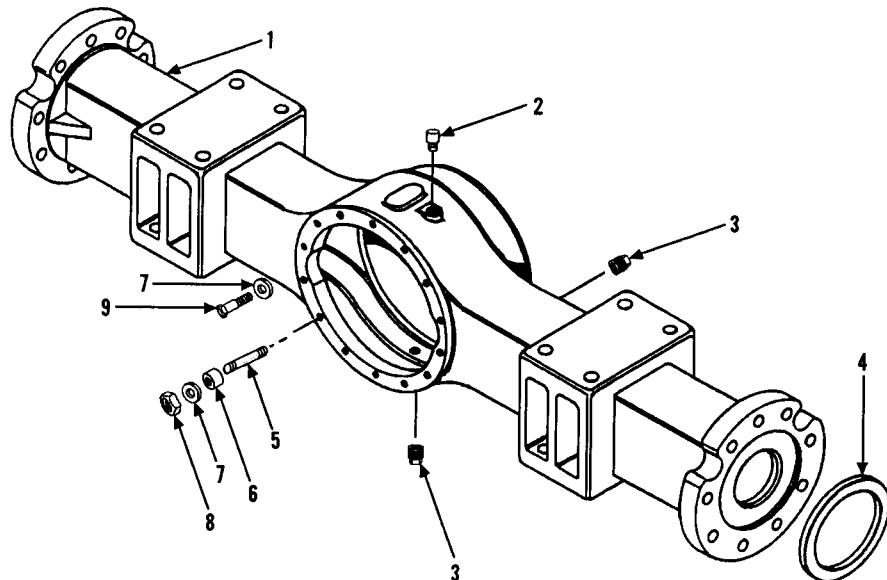
Item	Part No.	Qty.	Description Of Part
	9103-3126	1	DRIVE SHAFT (Perkins)
	9080-1286	1	DRIVE SHAFT (Waukesha) (includes items 1 thru 10)
1	9020-1058	2	SPIDER and BEARING ASSEMBLY
2	8867-1008	2	LUBE FITTING - STRAIGHT 1/4-28
3	9020-6543	1	SLIP YOKE
4	9020-6545	2	WASHER
5	9020-6546	1	FELT SEAL
6	9020-6544	1	CAP
7		1	TUBE ASSEMBLY
8	8867-1001	1	LUBE FITTING - STRAIGHT 1/8
* 9	9003-0029	8	HEX HD CAPSCREW, 3/8-24X1-3/4 GR8
*10	9003-0045	8	HEX HD CAPSCREW, 3/8-24X2-1/4 GR8
*11	9103-1194	8	LOCKSTRAP
*			NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.



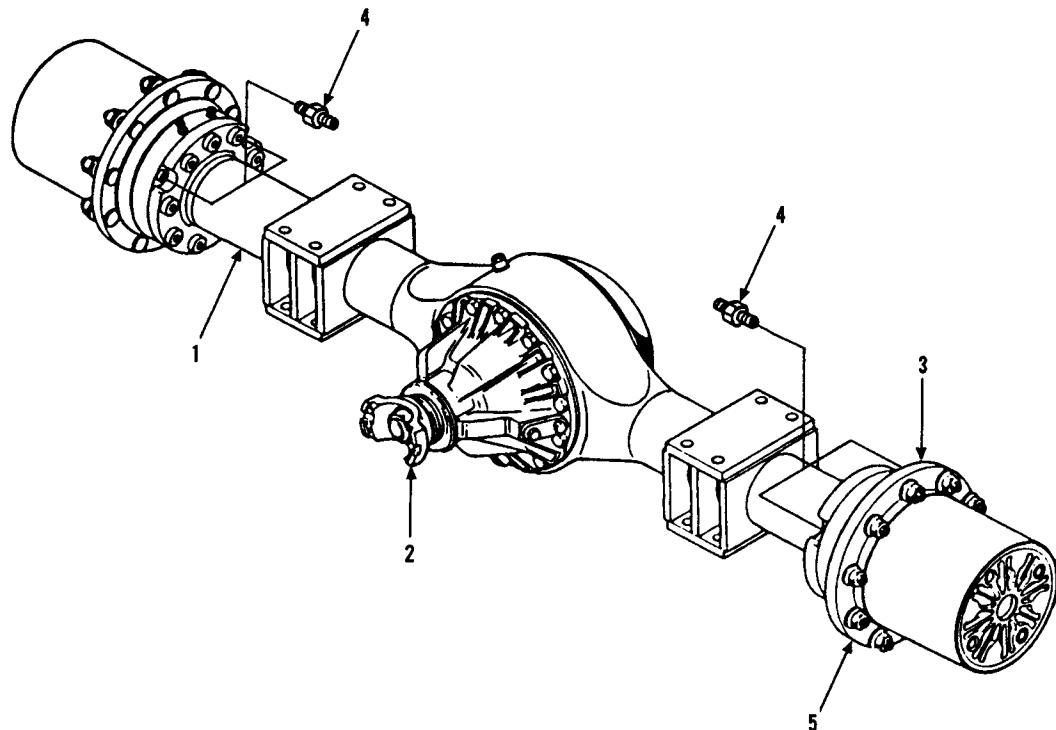
Item	Part No.	Qty.	Description Of Part
1	9104-4137	1	AXLE HOUSING
2	9040-1203	1	BREATHER
3	9040-1204	2	FILLER & DRAIN PLUG
4	9104-4138	2	THRUST WASHER
5	9104-4139	3	STUD
6	9104-4140	3	CENTERING CONE
7	9104-4141	14	FLAT WASHER
8	9104-4142	3	HEX NUT
9	9104-4143	11	HEX HD CAPSCREW



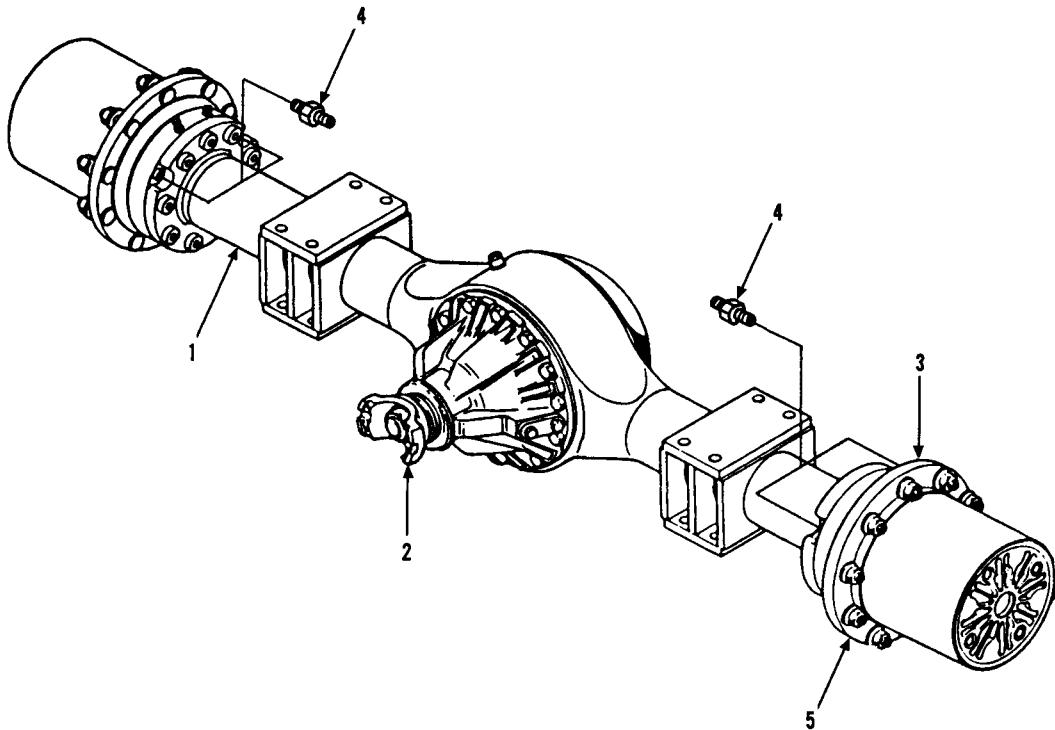
Item	Part No.	Qty.	Description Of Part
1	9020-7907	1	AXLE HOUSING
2	9020-7908	2	OIL SEAL DRIVER
3	9040-1232	2	THRUST SPACER
4	9040-1203 9103-4078	AR AR	BREATHER (large) BREATHER (small)
5	9040-1204	2	OIL PLUG
6	9020-7909	3	STUD M10 X 50
*NOTE: PLEASE CHECK BREATHER STYLE BEFORE ORDERING ITEM NO. 4 BREATHER.			



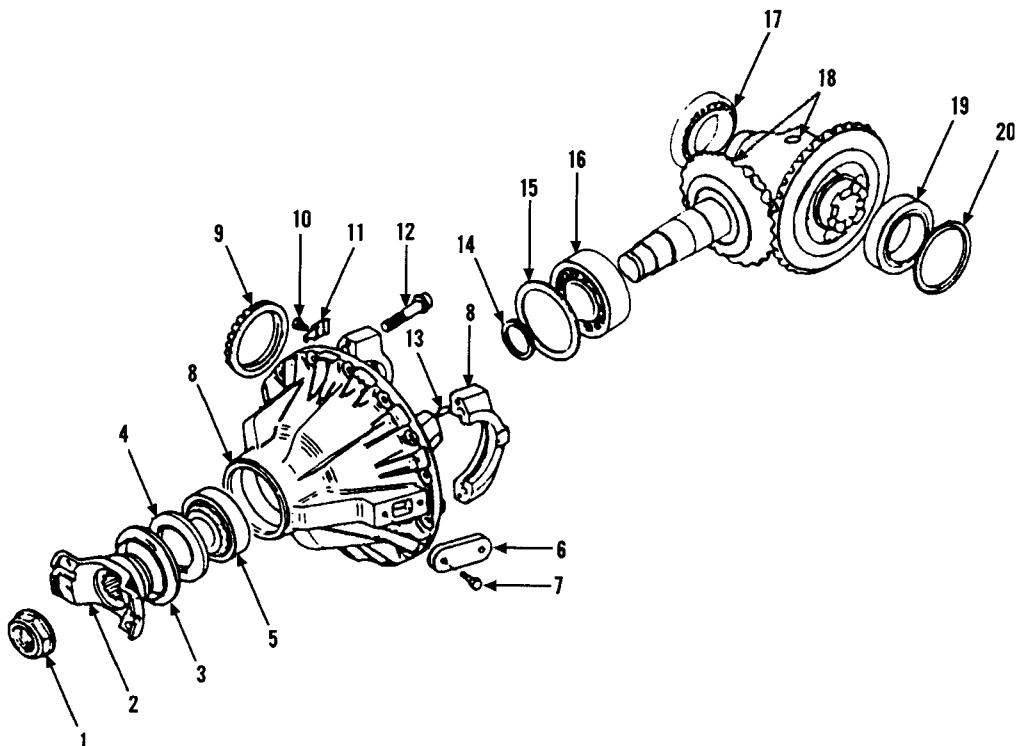
Item	Part No.	Qty.	Description Of Part
	9104-4447	1	DIFFERENTIAL CARRIER FASTENING SET (includes items 5 thru 9)
1	9104-4444	1	AXLE HOUSING
2	9104-4445	1	BREATHER
3	9104-4446	2	FILLER & DRAIN PLUG
4	9104-4138	2	THRUST WASHER
5	9104-4139	3	STUD
6	9104-4140	3	CENTERING CONE
7	9104-4141	14	FLAT WASHER
8	9104-4142	3	HEX NUT
9	9104-4143	11	HEX HD CAPSCREW



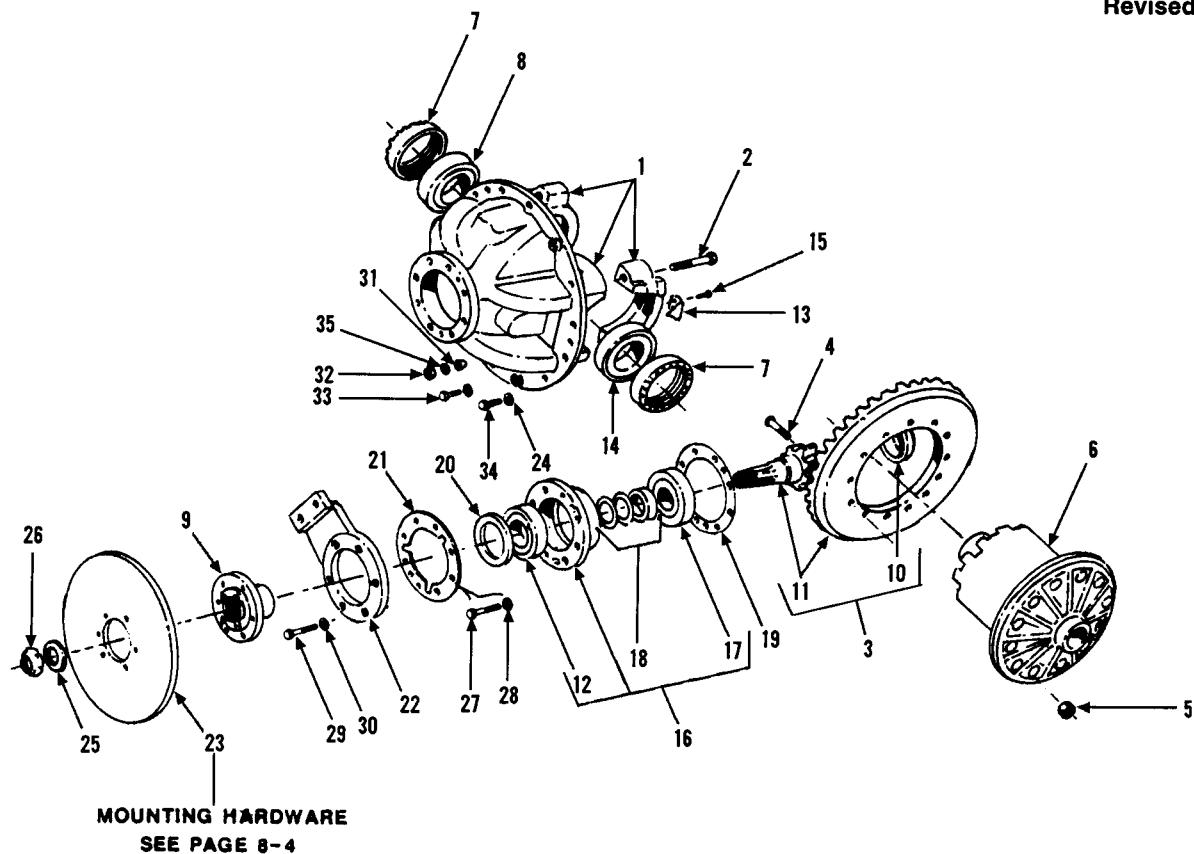
Item	Part No.	Qty.	Description Of Part
	9104-3071	Ref	FRONT AXLE ASSY (includes items 1 thru 4)
* 1	9104-4137	1	AXLE HOUSING ASSY (see page 6-12 for details)
* 2	9104-4144	1	DIFFERENTIAL CARRIER ASSY (see page 6-13 for details)
* 3	9104-4165	1	AXLE SHAFT AND PLANETARY WHEEL END ASSY (see page 6-14 for details)
4	8319-3009	4	FITTING
5	9104-3146	24	LUG NUT



Item	Part No.	Qty.	Description Of Part
1	9104-3291	Ref	FRONT AXLE ASSY (includes items 1 thru 4)
2	9104-4444	1	AXLE HOUSING ASSY (see page 6-12 for details)
3	9104-4448	1	DIFFERENTIAL CARRIER ASSY (see page 6-13 for details)
4	9103-4309	1	AXLE SHAFT AND PLANETARY WHEEL END ASSY (see page 6-14 for details)
4	8319-3009	4	FITTING
5	9104-3146	24	LUG NUT (lubricate & torque to 350-400 ft.lbs.)

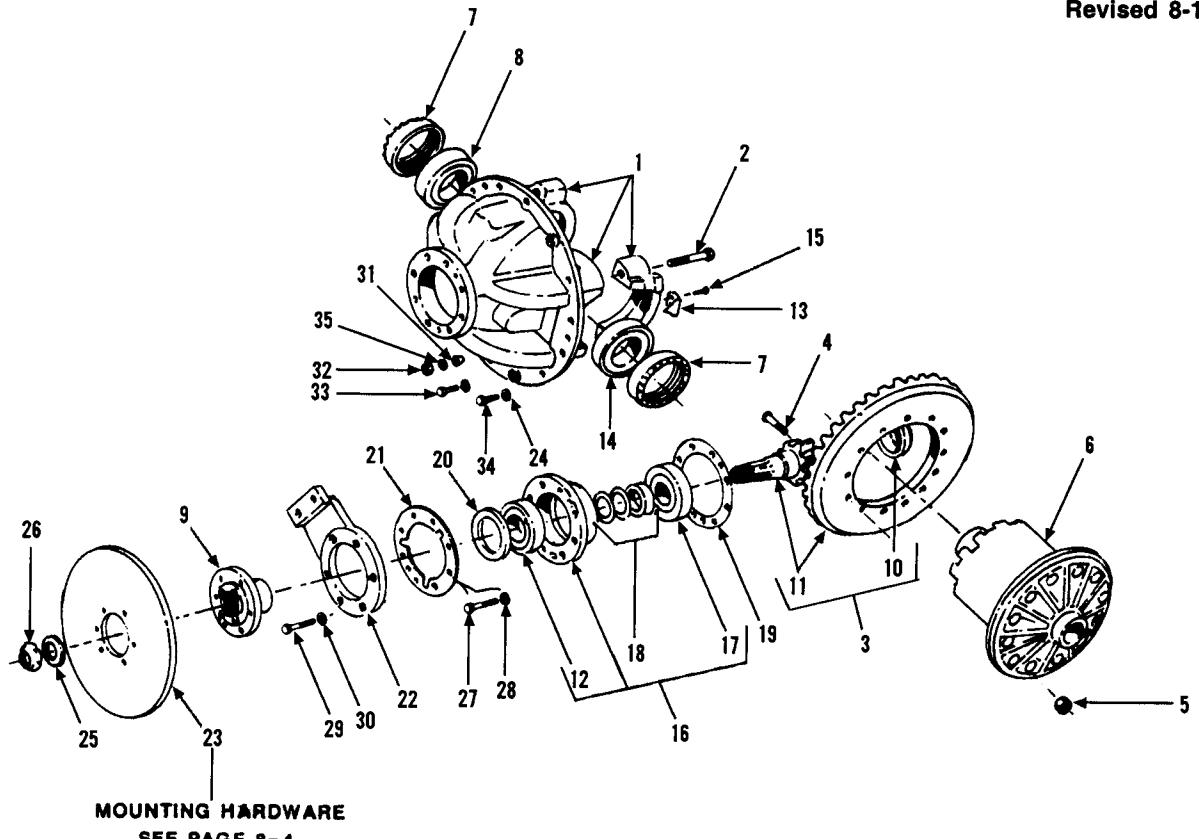


Item	Part No.	Qty.	Description Of Part
	9104-4144	1	DIFFERENTIAL CARRIER ASSY (includes all items)
1	9104-4145	1	PINION NUT
2	9104-4146	1	YOKE ASSY (includes item 3)
3	9104-4147	1	DUST SHIELD
4	9104-4148	1	OIL SEAL
5	9104-4149	1	BEARING ASSY
6	9104-4150	1	COVER PLATE
7	9104-4151	2	HEX HD CAPSCREW
8	9104-4152	1	DIFFERENTIAL HOUSING ASSY (includes items 9 thru 13)
9	9104-4153	1	ADJUSTING NUT
10	9104-4154	1	ADJUSTING NUT LOCK BOLT
11	9104-4155	1	ADJUSTING NUT LOCK
12	9104-4156	4	DIFFERENTIAL CAP BOLT
13	9104-4157	4	LOCATING PIN
14	9104-4158	1	SHIM KIT
15	9104-4159	1	SHIM KIT
16	9104-4160	1	BEARING ASSY
17	9104-4161	1	BEARING ASSY
18	9104-4162	1	DIFFERENTIAL ASSY
19	9104-4163	1	BEARING ASSY
20	9104-4164	1	ADJUSTING SHIM KIT



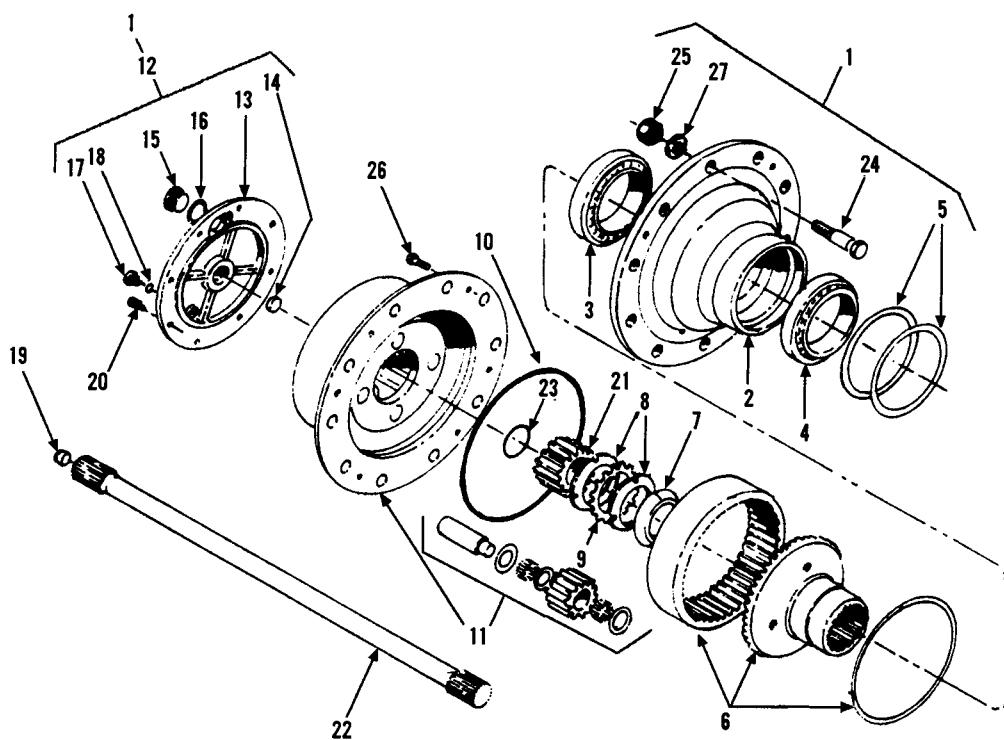
9021-0079 Dust cap for
item #9 input yoke.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-4077	1	DROP UNIT (includes all items except nos. 9 & 22)	17	9020-7925	1	BEARING
2	9020-7910	1	DIFFERENTIAL CARRIER CASE ASSY	18	9020-7926	1	SHIM KIT
3	9020-7911	4	BEARING CAP BOLT	19	9020-7927	1	SHIM KIT
4	9020-7912	1	GEAR SET ASSY 6 X 37 (includes items 10 & 11)	20	9021-0080	1	PINION SEAL
5	9020-7913	12	RING GEAR BOLT	21	9021-0081	1	GASKET
6	9020-7914	12	RING GEAR NUT	22	9061-0039	1	BRAKE BRACKET
7	9020-7915	1	STOP-GLISS ASSY	23	9061-0038	1	BRAKE DISC
8	9020-7916	2	DIFFERENTIAL ADJUSTING NUT	24	9040-1294	11	WASHER W-10
9	9020-7917	1	DIFFERENTIAL BEARING	25	9020-7932	1	PINION WASHER
10	9041-0247	1	INPUT YOKE	26	8348-3419	1	PINION NUT
11	9020-7918	1	NOSE BEARING	27	9040-1326	1	BOLT HM 12 X 1.50
12	9020-7919	1	GEAR SET 6 X 37	28	9040-1288	1	WASHER W-12
13	9020-7920	1	BEARING	29	9020-8133	5	BOLT HM 14 X 1.50
14	9020-7921	2	DIFFERENTIAL ADJUSTING NUT LOCK	30	9020-8134	1	BOLT HM 12 X 1.5
15	9020-7922	1	DIFFERENTIAL BEARING	31	9020-3877	5	WASHER W-14
16	9020-7923	2	BOLT, HM 10 X 1.50 X 20	32	9020-7935	3	CENTERING CONE NUT
	9020-7924	1	BEARING CAGE ASSY (includes items 12, 17, & 18)	33	9020-7937	2	BOLT HM 10 X 1.50 X 40/20
				34	9020-7938	9	BOLT HM 10 X 1.50 X 30/20
				35	9020-7939	3	WASHER

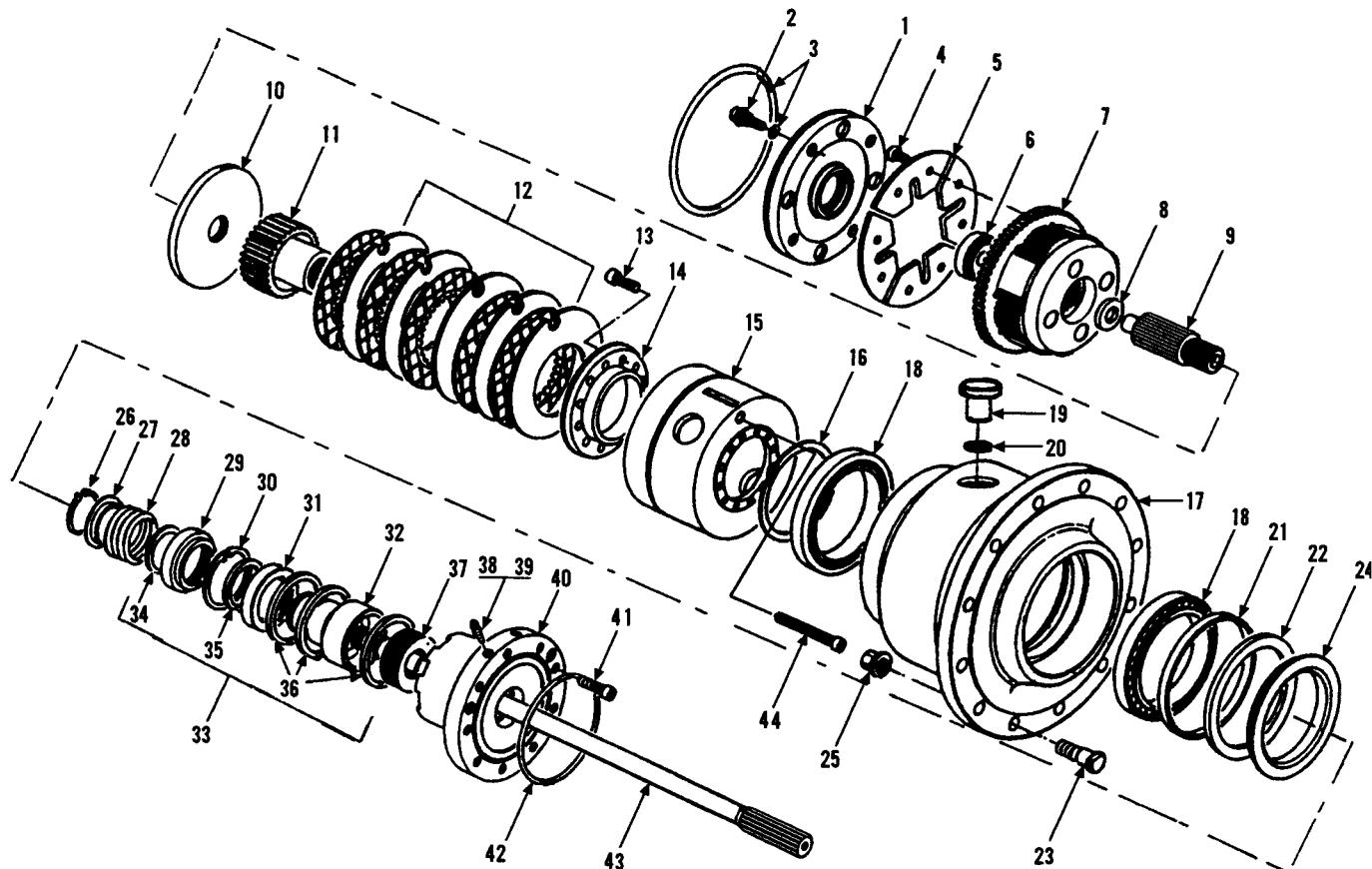


9021-0079 Dust cap for
item #9 input yoke.

Item	Part No.	Qty.	Description Of Part
	9104-4448	1	DIFFERENTIAL CARRIER ASSY (includes all items)
1	9104-4145	1	PINION NUT
2	9104-4452	1	FLANGE ASSY (includes item 3)
3	9104-4147	1	DUST SHIELD
4	9104-4451	1	OIL SEAL
5	9104-4450	1	TAPER BEARING KIT
6	9104-4150	1	COVER PLATE
7	9104-4151	2	HEX HD CAPSCREW
8	9104-4152	1	DIFFERENTIAL HOUSING ASSY (includes items 9 thru 13)
9	9104-4153	1	ADJUSTING NUT
10	9104-4154	1	ADJUSTING NUT LOCK BOLT
11	9104-4155	1	ADJUSTING NUT LOCK
12	9104-4156	4	DIFFERENTIAL CAP BOLT
13	9104-4157	4	LOCATING PIN
14	9104-4158	1	SHIM KIT
15	9104-4159	1	SHIM KIT
16	9104-4161	1	BEARING ASSY
17	9104-4449	1	DIFFERENTIAL & BEVEL GEAR SET
18	9104-4163	1	BEARING ASSY
19	9104-4164	1	ADJUSTING SHIM KIT

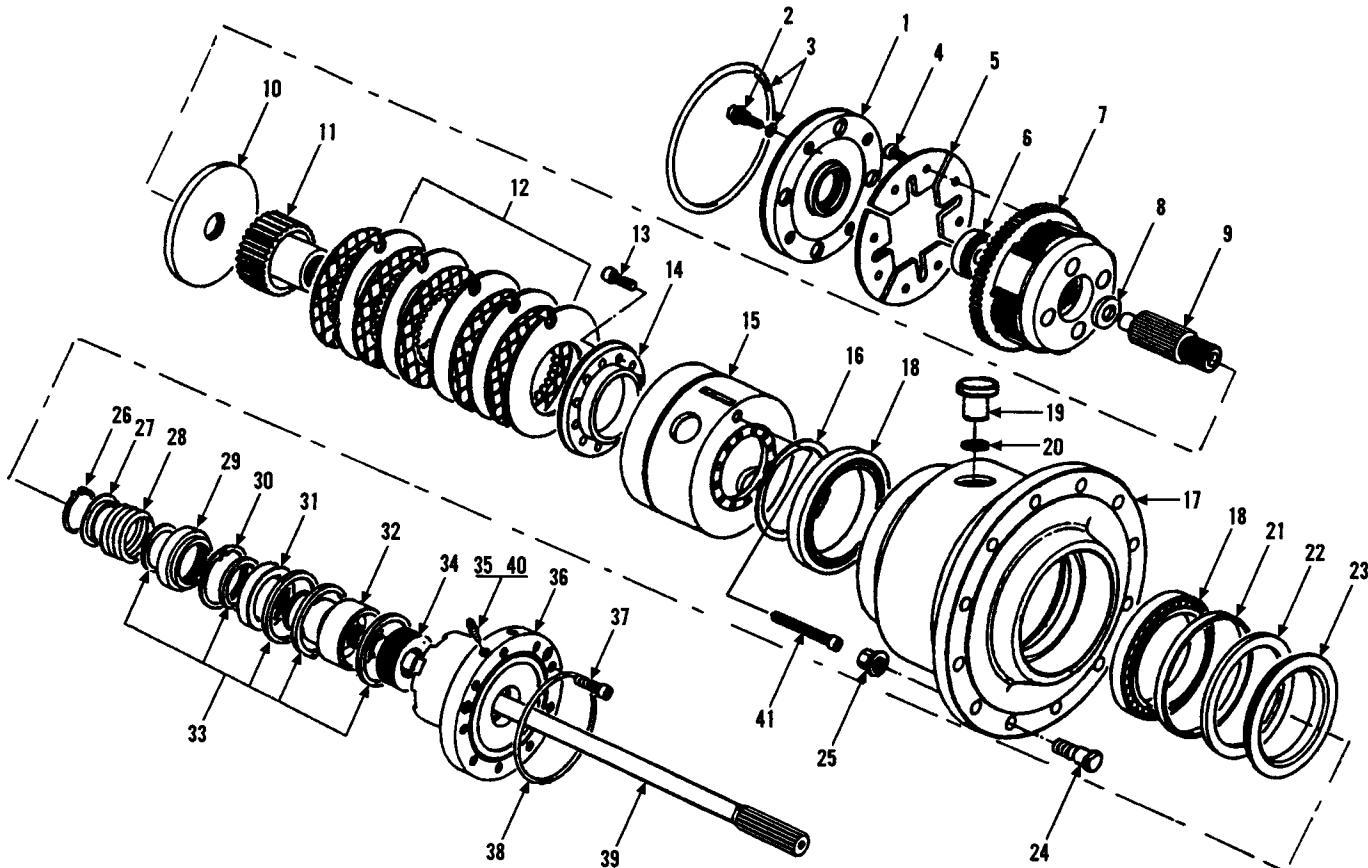


Item	Part No.	Qty.	Description Of Part
1	9020-7940	-	PLANETARY WHEEL END ASSY
2	9020-7941	1	HUB
3	9020-1833	1	BEARING
4	9020-1834	1	BEARING
5	9020-1805	2	OIL SEAL (134.5 X 155.6 X 9.52)
6	9020-1836	1	RING GEAR and CARRIER ASSY
7	9020-1837	1	CONE
8	9020-1838	2	NUT
9	9020-1839	1	LOCKWASHER
10	9020-1840	1	SEAL (257 X 263)
11	9020-7942	1	PLANETARY CARRIER ASSY
12	9020-1842	1	COVER ASSY (includes items 13 thru 18)
13	9040-1254	1	COVER
14	9040-1255	1	THRUST BUTTON
15	9040-1256	1	PLUG
16	9040-1257	1	GASKET
17	9040-1258	1	PLUG
18	9040-1259	1	GASKET
19	9020-3891	1	SHIM KIT
20	9020-3845	8	BOLT H8 X 1.25 1R25
21	9020-1846	1	SUN GEAR
22	9020-7943	1	AXLE SHAFT
23	9020-1848	2	SNAP RING
24	9020-7944	10	WHEEL STUD
25	9020-1853	10	WHEEL NUT
26	9020-1849	3	BOLT (CHC F-90-M10 X 1.5 X 25)
27	9020-1854	10	WASHER



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-4309	1	BRAKE WHEEL ASSY (includes all items)	26	9104-4191	1	SNAP RING
1	9104-4166	1	COVER ASSY (Includes items 2 thru 6)	27	9104-4192	1	THRUST WASHER
2	9104-4167	4	HEX HD CAPSCREW	28	9104-4193	1	SPARING
3	9104-4168	1	O-RING KIT	29	9104-4194	1	SERVICE BRAKE PISTON
4	9104-4169	4	HEX HD CAPSCREW	30	9104-4195	1	SNAP RING
5	9104-4170	4	SECTOR PLATE	31	9104-4196	1	PARK BRAKE SEAL RING
6	9104-4171	1	BEARING ASSY	32	9104-4197	1	PARK BRAKE PISTON
7	9104-4460	1	PLANETARY CARRIER ASSY	33	9104-4335	1	SEALING KIT (includes items 34, 35, & 36)
8	9104-4173	4	SPACER	34		1	OIL SEAL
9	9104-4174	1	MID-SHAFT	35		1	OIL SEAL
10	9104-4175	1	ROTATING BRAKE DISC STOP	36		3	OIL SEAL
11	9104-4176	1	DISC HUB	37	9104-4453	1	SPRING WASHER KIT
12	9104-4177	1	BRAKE DISC ASSY	38	9104-4200	2	BLEEDER SCREW
13	9104-4178	10	SOCKET HEAD CAPSCREW	39	9104-4298	2	BLEEDER SCREW CAP
14	9104-4179	1	FIXED BRAKE DISC STOP	40	9104-4201	1	SPINDLE ASSY
15	9104-4180	1	RING GEAR & CARRIER ASSY	41	9104-4461	9	SOCKET HD CAPSCREW
16	9104-4181	1	ADJUSTING SHIM KIT	42	9104-4203	1	O-RING
17	9104-4459	1	WHEEL HUB ASSY (includes items 18 thru 23)	43	9104-4204	1	AXLE SHAFT
18	9104-4183	2	BEARING ASSY	44	9103-4397	1	PIN (holds brake diacs in place)
19	9104-4184	1	PLUG				NOTE: QUANTITIES SHOWN ARE FOR ONE BRAKE WHEEL END ASSEMBLY ONLY.
20	9104-4185	1	SEALING WASHER				NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.
21	9104-4186	1	SPACER				
22	9104-4187	1	HUB SEAL				
23	9104-4189	12	WHEEL STUD				
24	9104-4458	1	SEAL RACE				
25	9104-3146	12	SWIVEL NUT				

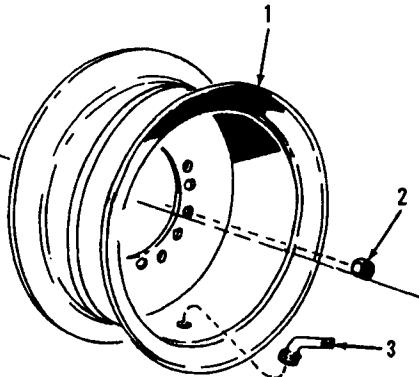
* Revised drawing to match parts list.



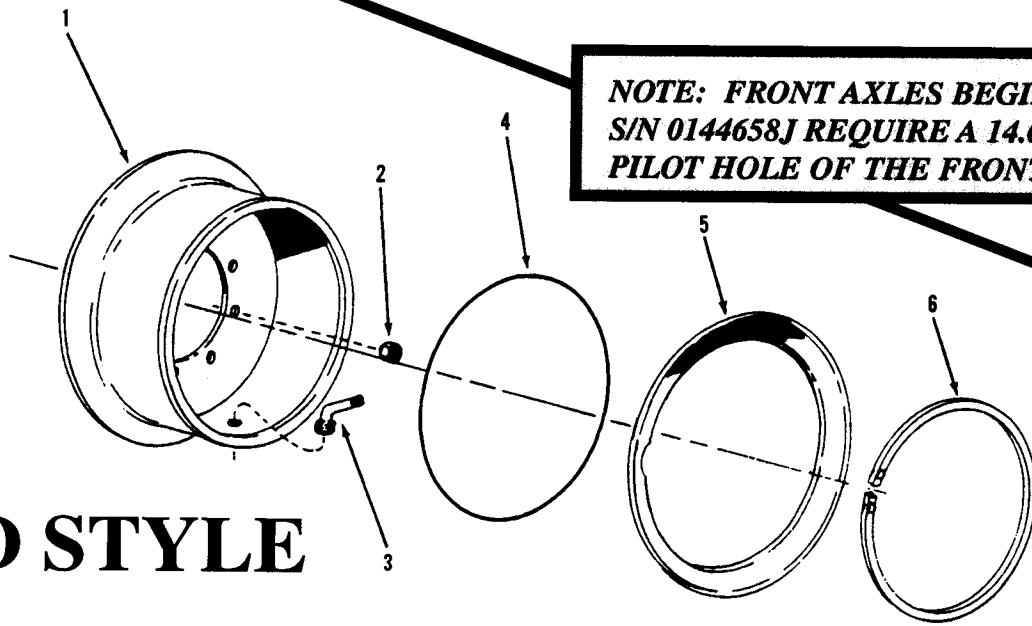
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9104-4165	1	BRAKE WHEEL END ASSY (includes all items)	21	9104-4186	1	SPACER
2	9104-4166	1	COVER ASSY (includes items 2 thru 6)	22	9104-4187	1	HUB SEAL
3	9104-4167	4	HEX HD CAPSCREW	*23	9104-4188	1	HUB SEAL RUNNER
4	9104-4168	1	O-RING KIT	24	9104-4189	10	WHEEL STUD
5	9104-4169	4	HEX HD CAPSCREW	25	9104-3146	10	SWIVEL NUT
6	9104-4170	4	SECTOR PLATE	26	9104-4191	1	SNAP RING
7	9104-4171	1	BEARING ASSY	27	9104-4192	1	THRUST WASHER
8	9104-4460	1	PLANETARY CARRIER ASSY	28	9104-4193	1	SPRING
9	9104-4173	4	SPACER	29	9104-4194	1	SERVICE BRAKE PISTON
10	9104-4174	1	MID-SHAFT	30	9104-4195	1	SNAP RING
11	9104-4175	1	ROTATING BRAKE DISC STOP	31	9104-4196	1	PARK BRAKE SEAL RING
12	9104-4176	1	DISC HUB	32	9104-4197	1	PARK BRAKE PISTON
13	9104-4177	1	BRAKE DISC ASSY	33	9104-4335	1	SEALING KIT
14	9104-4178	10	SOCKET HEAD CAPSCREW	34	9104-4199	1	SPRING WASHER KIT
15	9104-4179	1	FIXED BRAKE DISC STOP	*35	9104-4200	2	BLEEDER SCREW
16	9104-4180	1	RING GEAR & CARRIER ASSY	*36	9104-4201	1	SPINDLE ASSY
17	9104-4181	1	ADJUSTING SHIM KIT	37	9104-4202	9	SOCKET HD CAPSCREW
18	9104-4182	1	WHEEL HUB ASSY (includes items 18 thru 22)	38	9104-4203	1	O-RING
19	9104-4183	2	BEARING ASSY	39	9104-4204	1	AXLE SHAFT
20	9104-4184	1	PLUG	*40	9104-4298	2	BLEEDER SCREW CAP
	9104-4185	1	SEALING WASHER	41	9103-4397	1	PIN (holds brake discs in place)
NOTE: QUANTITIES SHOWN ARE FOR ONE BRAKE WHEEL END ASSEMBLY ONLY.							

* Revised items 23, 35, 36, & 40.

NEW STYLE



OLD STYLE



NOTE: FRONT AXLES BEGINNING WITH S/N 0144658J REQUIRE A 14.615" DIAMETER PILOT HOLE OF THE FRONT WHEEL ONLY.

FRONT-STANDARD			
Item	Part No.	Qty.	Description Of Part
1	9104-3276	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE REPLACED BY 9104-3430)
1	9104-3430	1	RIM, 9.00 X 24 (New One Piece Style)
2	9104-3146	12	LUG NUT (lubricate and torque to 350-400 ft.lbs.)
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9104-3276 ONLY)
3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3430)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

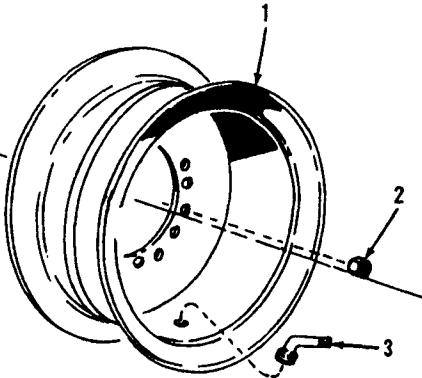
REAR-STANDARD			
Item	Part No.	Qty.	Description Of Part
1	9060-2638	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE REPLACED BY 9103-3467)
1	9103-3467	1	RIM, 9.00 X 24 (New One Piece Style)
2	9020-2141	10	LUG NUTS
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9060-2638 ONLY)
3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3467)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9060-2040	1	TIRE, 13.00 X 24, 8 PLY (not illustrated)
	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

FRONT-FLOATATION

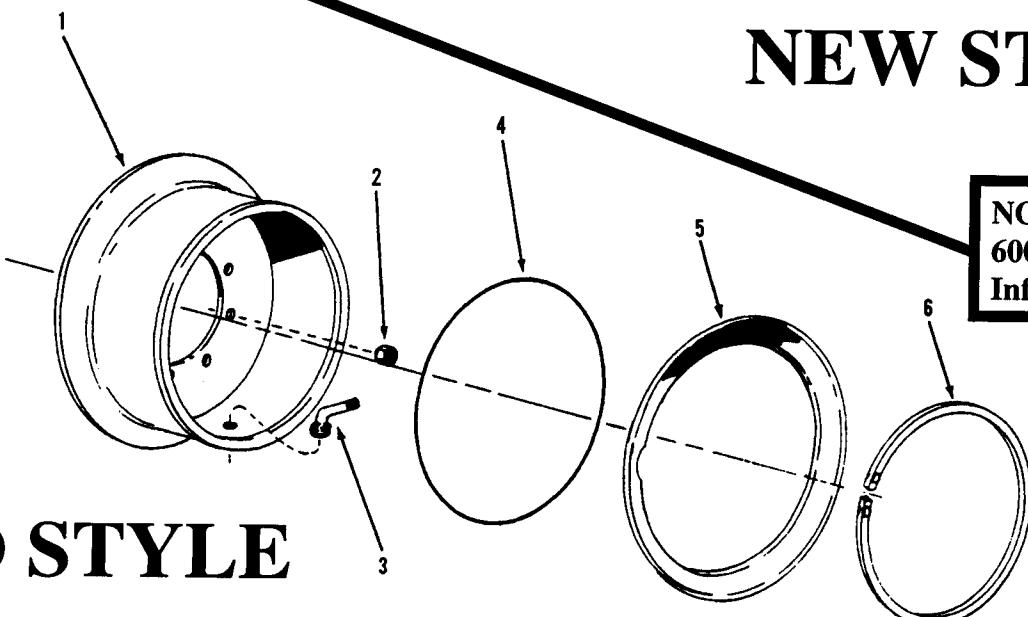
FRONT-FLOATATION			
Item	Part No.	Qty.	Description Of Part
1	9104-3081	1	RIM, 14.00 X 25
2	9104-3146	10	LUG NUT (lubricate and torque to 350-400 ft. lbs.)
3	9020-1452	1	VALVE (air / liquid)
4	9020-1441	1	O-RING
5	9020-1762	1	GUTTER RING
6	9020-1766	1	LOCK RING
7	9020-1439	1	TIRE, 17.5 X 25,14 PLY (L-2 TRACTION REGULAR TREAD)

* Changed the page number from 6-15 to 6-14.

NOTE:
8000# UNITS
40 Gal. water & 200 Lbs. calcium
Inflate to 55 PSI



NEW STYLE



NOTE:
6000# UNITS
Inflate to 55 PSI

OLD STYLE

FRONT-STANDARD

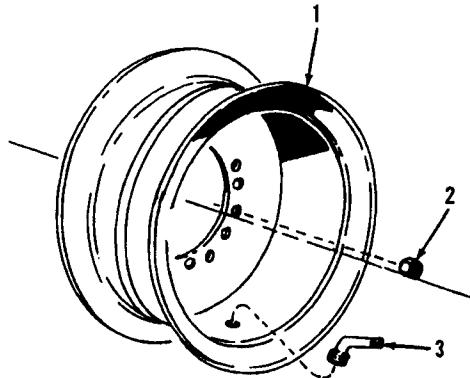
Item	Part No.	Qty.	Description Of Part
1	9060-2780	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE, REPLACED BY 9103-3468)
* 1	9103-3468	1	RIM, 9.00 X 24 (New One Piece Style)
2	9020-1853	10	LUG NUT
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9060-2780 ONLY)
* 3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3468)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9060-2040	1	TIRE, 13.00 X 24, 8 PLY (not illustrated)
	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

REAR-STANDARD

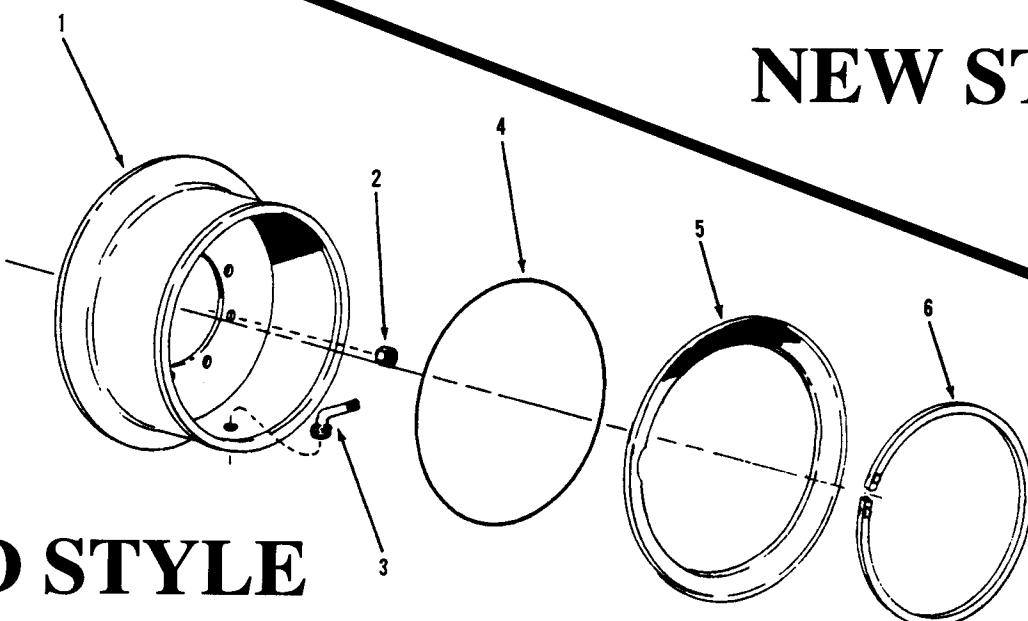
Item	Part No.	Qty.	Description Of Part
1	9060-2638	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE REPLACED BY 9103-3467)
* 1	9103-3467	1	RIM, 9.00 X 24 (New One Piece Style)
2	9020-2141	10	LUG NUTS
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9060-2638 ONLY)
* 3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3467)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9060-2040	1	TIRE, 13.00 X 24, 8 PLY (not illustrated)
	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

FRONT-FLOATATION

Item	Part No.	Qty.	Description Of Part
1	9060-2870	1	RIM, 12.00 X 25
2	9020-1853	10	LUG NUT
3	9020-7413	1	VALVE (air / liquid)
4	9020-7416	1	O-RING
5	9020-7415	1	GUTTER RING
6	9020-7414	1	LOCK RING
7	9020-7412	1	TIRE, 15.5 X 25,12 PLY (not illustrated)



NEW STYLE



OLD STYLE

FRONT-STANDARD

Item	Part No.	Qty.	Description Of Part
1	9104-3080	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE, REPLACED BY 9103-3469)
* 1	9103-3469	1	RIM, 9.00 X 24 (New One Piece Style)
2	9104-3146	10	LUG NUT (lubricate & torque to 350-400 ft.lbs.)
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9104-3080 ONLY)
* 3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3469)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

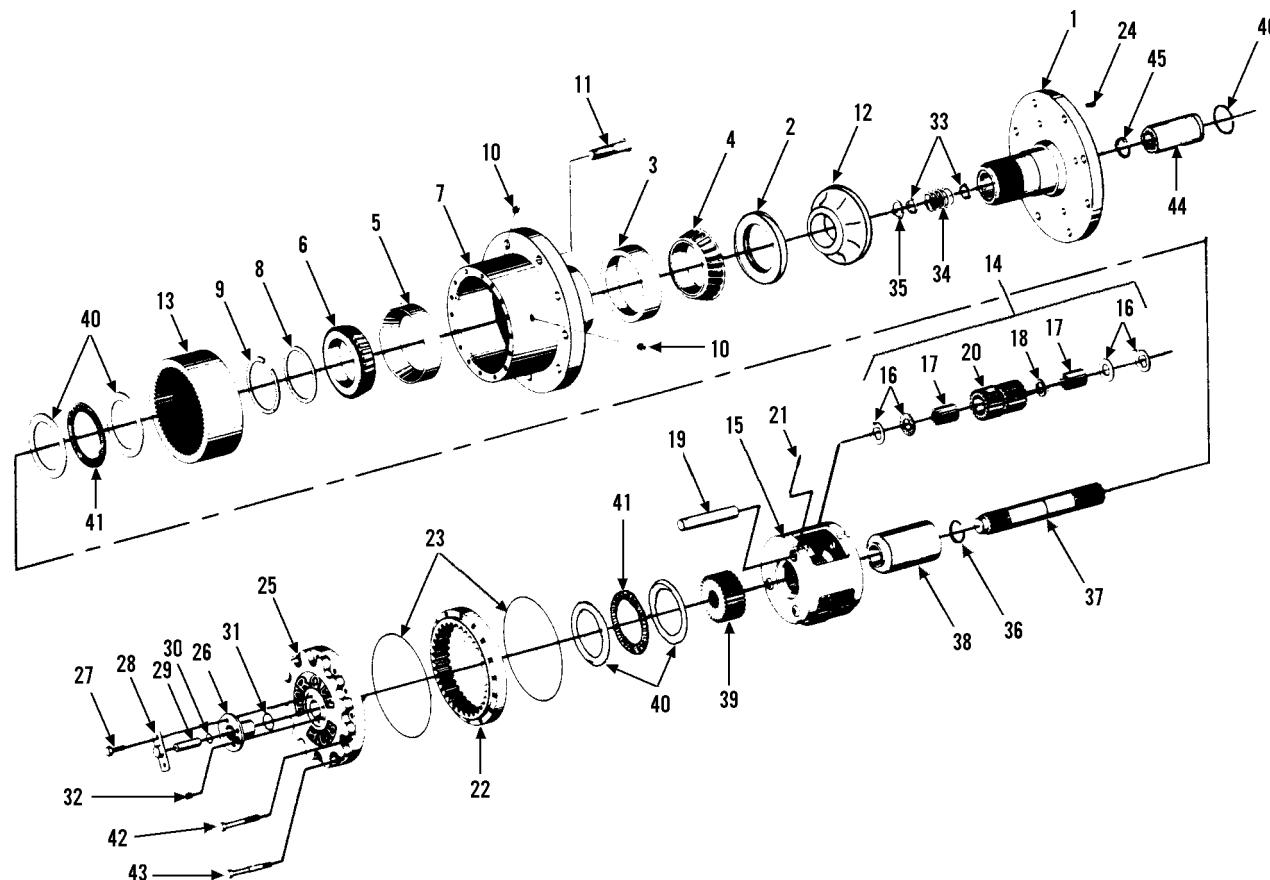
REAR-STANDARD

Item	Part No.	Qty.	Description Of Part
1	9060-2638	1	RIM, 8.00 TG X 24 ** NOTE: (NO LONGER AVAILABLE REPLACED BY 9103-3467)
* 1	9103-3467	1	RIM, 9.00 X 24 (New One Piece Style)
2	9020-2141	10	LUG NUTS
3	9020-0339	1	VALVE (air/liquid) ** NOTE: (USE WITH 9060-2638 ONLY)
* 3	9108-3385	1	VALVE (air/liquid) (Use with 9103-3467)
4	9020-0561	1	O-RING
5	9020-0772	1	GUTTER RING
6	9020-1615	1	LOCK RING
7	9060-2040	1	TIRE, 13.00 X 24, 8 PLY (not illustrated)
	9103-3104	1	TIRE, 13.00 X 24, 12 PLY (not illustrated)

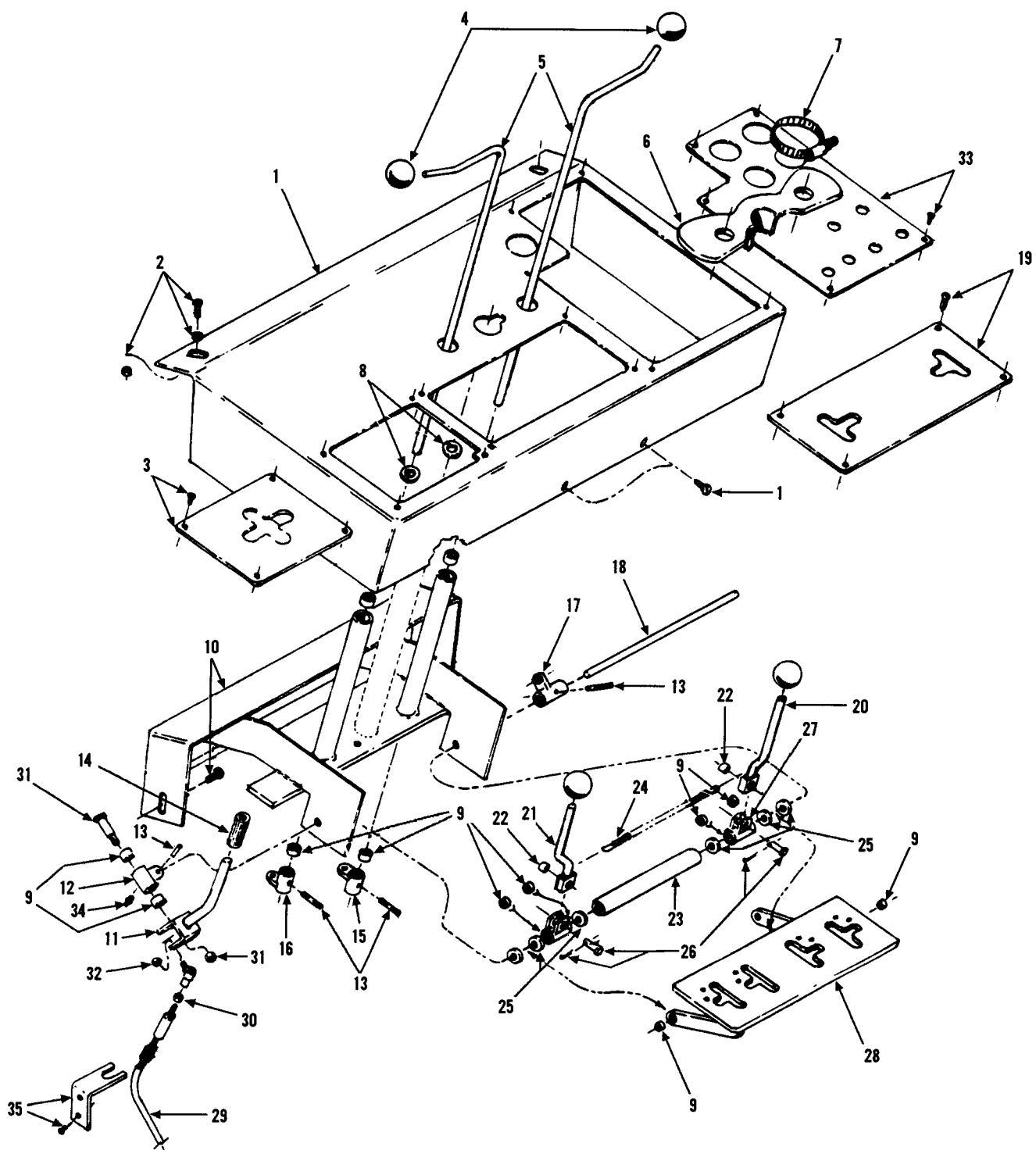
FRONT-FLOATATION

Item	Part No.	Qty.	Description Of Part
1	9104-3081	1	RIM, 14.00 X 25
2	9104-3146	10	LUG NUT (lubricate & torque to 350-400 ft.lbs.)
3	9020-1452	1	VALVE (air / liquid)
4	9020-1441	1	O-RING
5	9020-1762	1	GUTTER RING
6	9020-1766	1	LOCK RING
7	9020-1439	1	TIRE, 17.5 X 25, 14 PLY (L-2 TRACTION REGULAR TREAD (not illustrated))

* Changed the page number from 6-15 to 6-14.



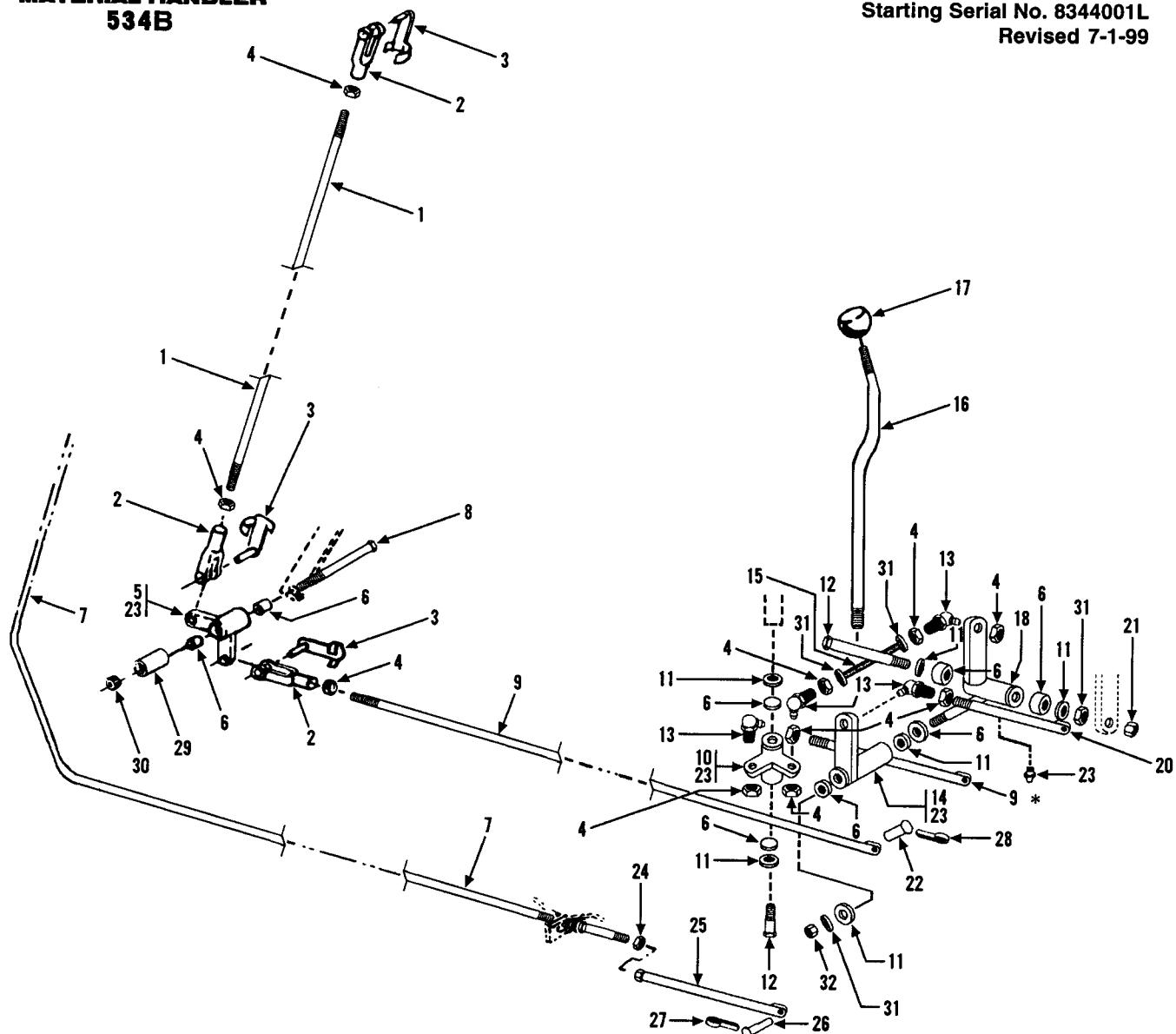
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3095 9020-6746 9020-8017	1	PLANETARY HUB ASSY, (cast) PLANETARY HUB ASSY, (steel) SPINDLE	22	9020-8020	1	RING GEAR
2	7712-4002	1	SEAL	23	9020-2519	2	O-RING
3	9020-2500	1	CUP BEARING	24	8822-1119	2	SOCKET SET SCREW, (cup point), 3/8-16X3/8
4	9020-2501	1	CONE BEARING	25	9020-2521	1	COVER
5	9020-2502	1	CUP BEARING	26	9020-2522	1	COVERCAP
6	9020-2503	1	CONE BEARING	27	9020-2523	4	CAPSCREW
7	9020-2504	1	HUB, (steel)	28	9020-2524	1	DISCONNECT CAP
8	9103-4029	1	HUB, (cast)	29	9020-2525	1	DISCONNECT ROD
9	9020-2505	1	SPACER	30	9020-2526	1	O-RING
10	9020-2506	1	RETAINING RING	31	9020-2527	1	O-RING
11	9020-2507	1	PIPE PLUG	32	9020-2528	1	PIPE PLUG
12	9020-2508	10	WHEEL STUD, (for steel hub)	33	9020-2531	2	WASHER
13	9103-4028	10	WHEEL STUD, (for cast hub)	34	9020-2532	1	SPRING
14	9020-6761	1	SEAL BOOT	35	9020-2533	1	RETAINING RING
15	9020-2509	1	INTERNAL GEAR	36	9020-2534	1	RETAINING RING
16	9020-8018	1	CARRIER ASSY, (includes items 15 thru 21)	37	9020-2536	1	INPUT SHAFT
17	9020-2511	1	CARRIER	38	9020-2537	1	THRUST SPACER
18	9103-4026	6	TAB WASHER	39	9020-8021	1	INPUT GEAR
19	9103-4027	6	BRASS THRUST WASHER	40	9020-2542	4	THRUST WASHER
* 20	9020-2513	84	NEEDLE BEARING	41	9020-2543	2	THRUST BEARING
21	9103-4158	3	SPACER	42	9020-2544	8	CAPSCREW
	9020-2515	3	PINION SHAFT	43	9020-2545	4	SHOULDER BOLT
	9103-4122	3	CLUSTER GEAR KIT, (includes items 16, 18 & 21)	44	9020-2546	1	COUPLING
	9020-2517	3	ROLL PIN	45	9020-2547	1	RETAINING RING
				46	9020-2548	1	RETAINING RING



* Revised part number on item 21.

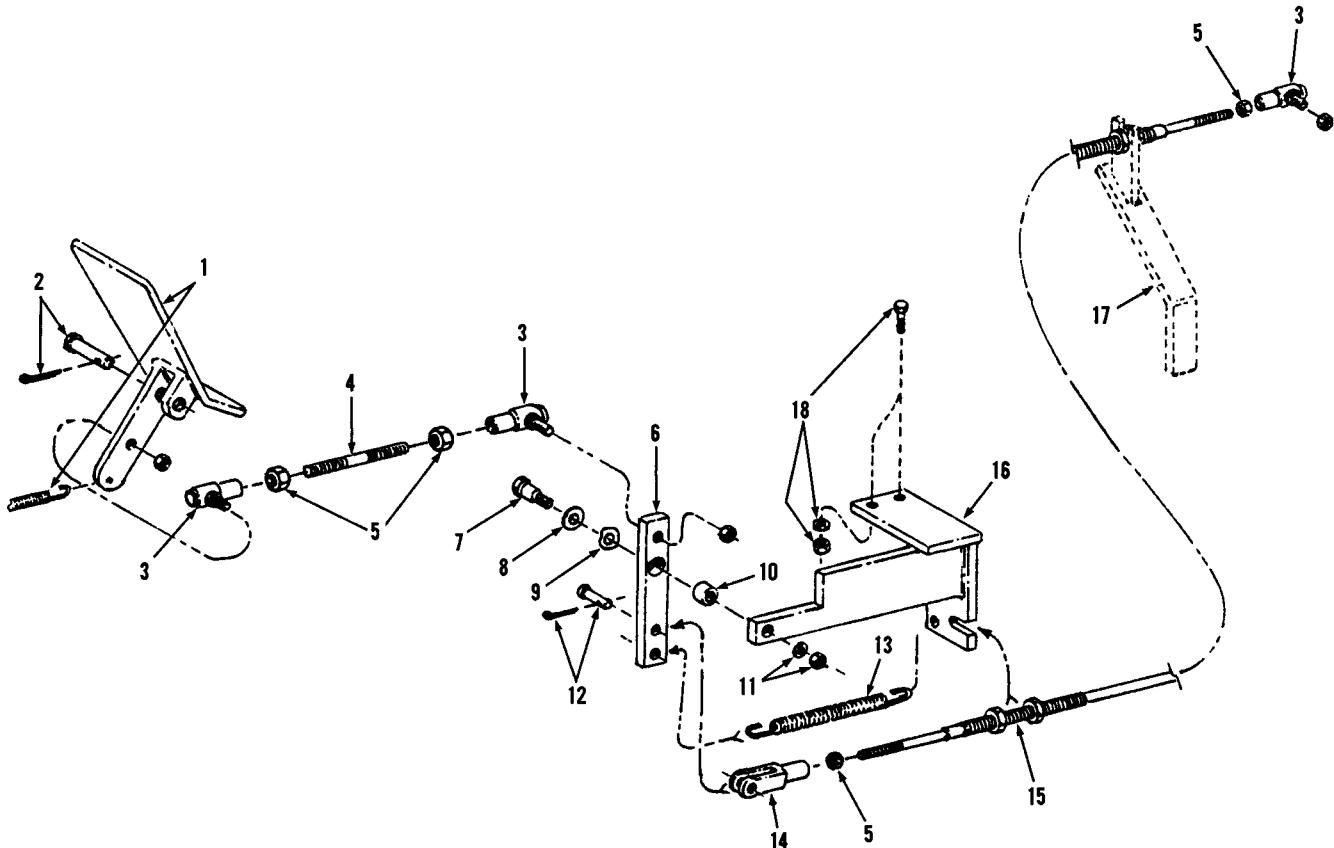
Item	Part No.	Qty.	Description Of Part
1	9060-2789	1	CONTROL AND INSTRUMENT PANEL
	9002-7319	2	SELF TAPPING SCREW
2	7714-3004	2	WHIZLOCK SCREW
	7714-3006	2	WHIZ LOCK NUT
3	9020-7707	1	COVER PLATE
	8832-1015	4	SELF TAPPING SCREW, 6-32 X 1/2
4	9020-0299	4	KNOB
5	9020-5542	2	CONTROL ROD
6	9040-2903	1	CONTROL ROD BRACKET
7	9002-8695	1	CLAMP (bracket to steering column)
8	9002-7472	2	HARDENED WASHER 5/8
9	9020-0290	AR	NEEDLE BEARING
10	9080-1213	1	CONTROL BRACKET
	8820-1065	2	HEX HD CAPSCREW 1/2-13 X 1 GR5
11	9040-3406	1	CONTROL HANDLE
12	9020-6859	1	BELLCRANK
13	8863-1479	4	ROLL PIN
14	9020-0774	1	HANDLE GRIP
	9020-6005	1	WINCH BUTTON
15	9020-5973	1	BELLCRANK
16	9103-6042	1	BELLCRANK
17	9020-5541	1	BELLCRANK
18	9020-5571	1	BELLCRANK SHAFT
19	9020-6045	1	CONTROL PANEL
	8832-1015	4	SELF TAPPING SCREW 6-32 X 1/2
20	9020-6128	1	CONTROL ROD
*21	9020-5981	1	CONTROL ROD
22	9020-0688	2	CONTROL ROD BEARING
23	9020-6222	1	SPACER
24	9020-0559	1	SPRING
25	8856-1113	6	FLAT WASHER 5/8
26	9002-1557	2	CLEVIS PIN
	8863-1309	2	COTTER PIN 3/32 X 3/4
27	9020-5983	2	BELLCRANK
28	9040-2904	1	CONTROL PANEL
29	9020-6861	1	CABLE (tilt sway control)
30	9020-0406	1	BALL JOINT 3/8
	8850-1406	1	HEX JAM NUT 3/8-24
	8668-3117	1	BALL JOINT 5/16
	8850-1305	1	HEX NUT 5/16-24
	8855-1010	1	LOCKWASHER 5/16
31	9020-3502	1	SHOULDER BOLT
	8850-1008	1	HEX NUT 1/2-13
32	8850-1306	1	HEX NUT 3/8-24
33	9040-3178	1	INSTRUMENT PANEL PLATE WAUKESHA (used thru S/N 8444490)
	9103-1102	1	INSTRUMENT PANEL PLATE PERKINS (starting S/N 8444491)
	8832-1015	5	SELF TAPPING SCREW 6-32 X 1/2
34	8867-1008	1	LUBE FITTING STRAIGHT 1/4-28
35	9103-1013	1	CABLE BRACKET
	8826-1030	2	SOCKET BUTTON HD CAPSCREW 3/8-16 X 1 1/4
	8850-1006	2	HEX NUT 3/8-16

* Revised part number on item 21.

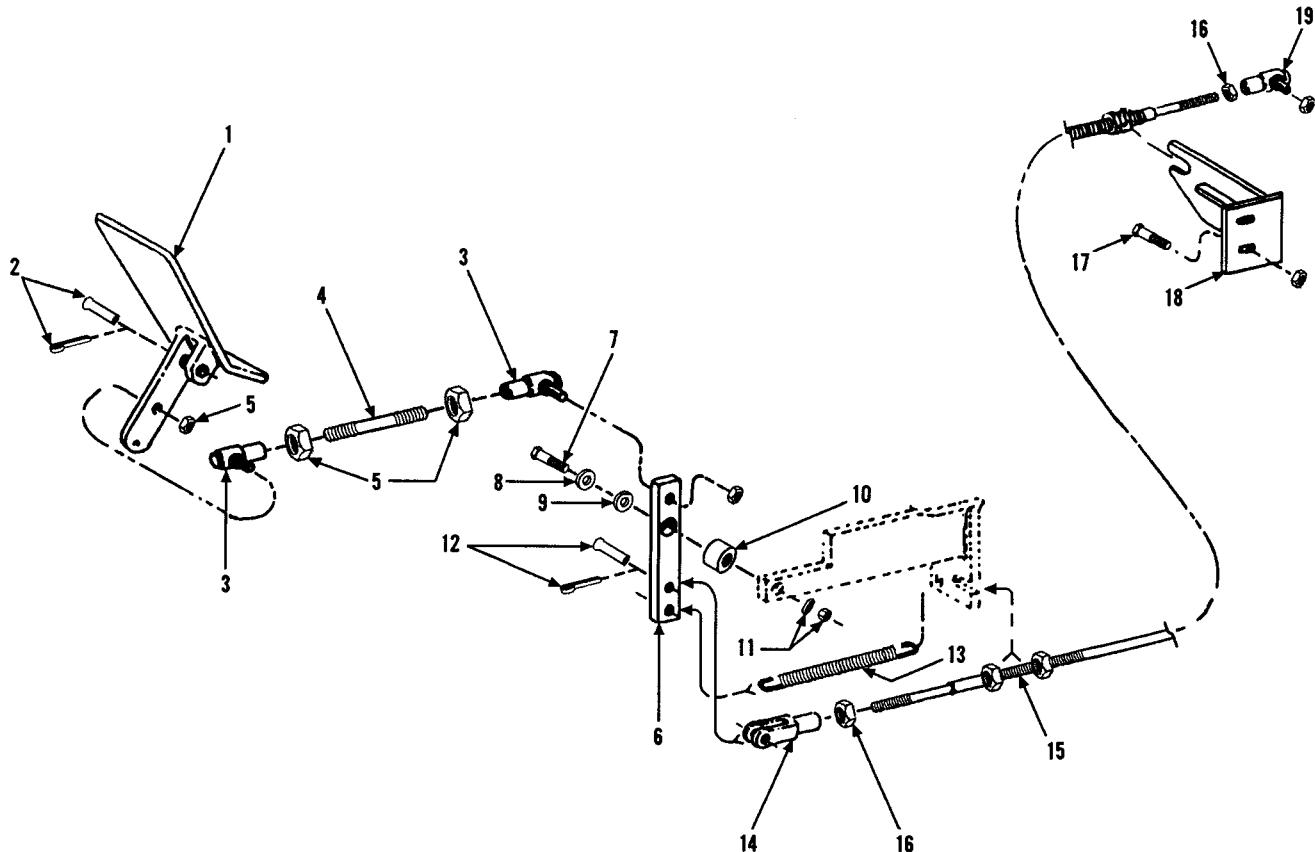


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-2361	1	CONTROL LINKAGE ROD (tilt)	17	9020-0638	1	KNOB
2	8882-1004	3	ADJUSTABLE YOKE END	18	9020-5558	1	BELLCRANK
3	9002-7987	3	SPRING CLEVIS	19	9106-6021	1	LINKAGE ROD
4	8850-1406	AR	HEX NUT, 3/8-24	20	9106-6020	1	LINKAGE ROD
5	9020-5533	1	BELLCRANK	21	8850-1108	1	HEX JAM NUT, 1/2-13
6	9020-0290	8	NEEDLE SPRING	22	9002-1552	4	CLEVIS PIN
7	9020-6861	1	TIILT, SWAY CONTROL CABLE	23	8867-1008	4	LUBE FITTING, STRAIGHT, 1/4-28
8	8820-1328	1	HEX HD CAPSCREW, 5/8-11X6-1/2, GR5	24	8850-1305	1	HEX NUT, 5/16-24
9	9104-6051	1	LINKAGE ROD	25	9104-1236	1	CABLE END
10	9020-5534	1	BELLCRANK	26	9002-1552	1	CLEVIS PIN
11	9002-8662	6	WAVE WASHER	27	8863-1302	1	COTTER PIN, 1-16X3/4
12	9020-3502	2	SHOULDER BOLT	28	8863-1301	4	COTTER PIN, 1/16X1/2
13	9020-0406	4	BALL JOINT	29	9020-5580	1	SPACER (not require with auxiliary hydraulics option)
14	9020-5765	1	BELLCRANK	30	8850-1010	2	HEX NUT, 5/8-11
15	9040-0543	1	STUD	31	8856-1113	9	FLAT WASHER, #4
16	9020-5759	1	BOOM CONTROL HANDLE	32	8850-1110	1	HEX JAM NUT, 5/8-11

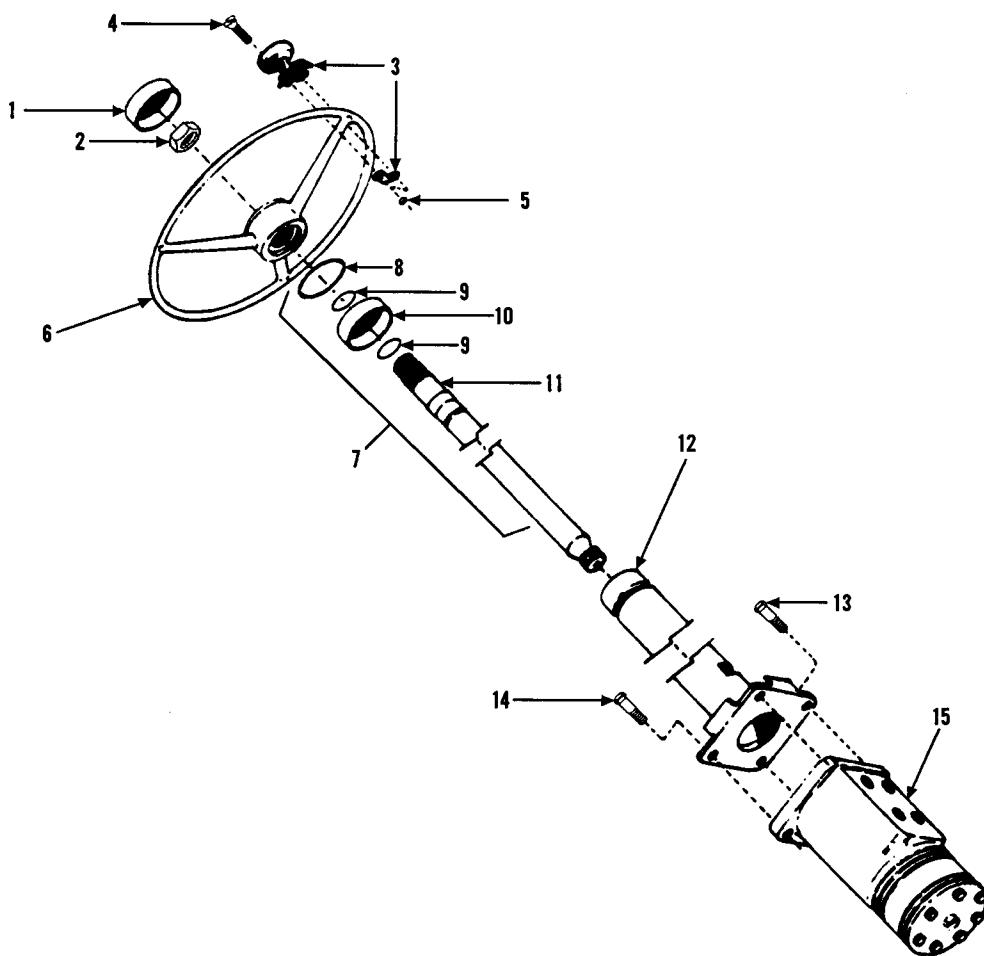
* Changed the page number from 7-3 to 7-2



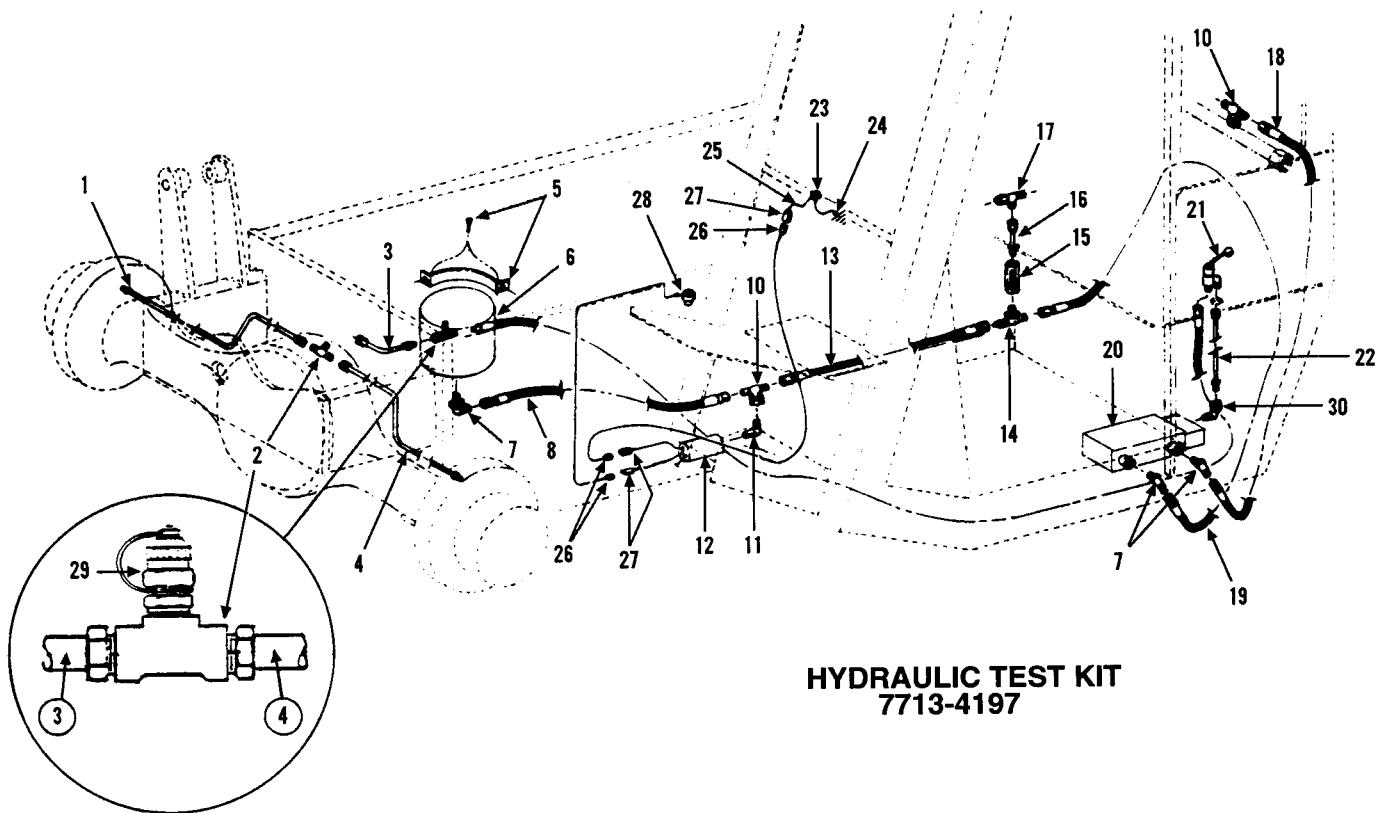
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-0289	1	PEDAL, accelerator	11	8850-1004	1	NUT
	9020-0559	1	SPRING	12	8856-1111	1	WASHER
2	9002-1584	1	PIN, clevis	13	9002-7685	1	PIN and COTTER
	8863-1318	1	PIN, cotter	14	9020-7801	1	SPRING
3	9002-7908	3	JOINT, ball	15	9002-8977	1	YOKE
4	9020-7800	1	ROD, linkage	16	9020-0795	1	CABLE, accelerator
5	8850-1613	4	NUT, 10-32	17	9040-3424	1	BRACKET, accelerator cable
6	9020-7803	1	BELLCRANK	18	9020-5971	1	BRACKET, engine cable
7	9002-6492	1	BOLT, shoulder		8820-1020	2	BOLT, 5/16-18X1
8	8856-1108	1	WASHER		8856-1108	2	WASHER, 5/16"
9	9002-8946	AR	WASHER, wave		8850-1005	2	NUT, 5/16"-18
10	9103-3037	1	BEARING				



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-6022	1	ACCELERATOR PEDAL	11	8850-1105	1	HEAVY HEX JAM NUT, 5/16-18
2	9002-1584	1	CLEVIS PIN	12	8856-1111	1	FLAT WASHER, 1/2
3	8863-1318	1	COTTER PIN, 1/8X1	13	9002-7685	1	PIN & COTTER
4	8668-3118	2	BALL JOINT	14	9020-7801	1	SPRING
5	9103-1088	1	LINKAGE ROD	15	9002-8977	1	YOKE
6	8850-1404	2	HEX JAM NUT, 1/4-28	16	9020-0795	1	ACCELERATOR CABLE
7	9103-1087	1	BELLCRNK	17	8850-1613	2	HEX NUT, #10-32
8	8825-1018	1	SOCKET HD SHOULDER SCREW, 3/8X1/2 (5/16-18 thd)	18	8820-1021	2	HEX HD CAPSCREW, 5/16-18X1 1/4 GR5
9	8856-1109	1	FLAT WASHER, 3/8	19	8852-1305	2	HEX LOCKNUT, 5/16-18
10	9002-8946	AR	WAVE WASHER		9103-6014	1	CABLE BRACKET
	9103-3281	1	BEARING		9002-7908	1	BALL JOINT



Item	Part No.	Qty.	Description Of Part
1	9060-0274	1	STEERING CAP
2	9020-0266	1	STEERING WHEEL NUT
3	9020-2230	1	SPINNER KNOB (includes items 4 & 5)
4	9002-0397	2	FLATHEAD SCREW, 1/4 NC X 1
5	8850-1004	2	HEX NUT, 1/4-20
6	9060-0273	1	STEERING WHEEL
7	9060-0267	1	STEERING COLUMN (includes items 8-12)
8	9020-1347	1	RETIANING RING
9	9020-1346	2	RETIANING RING
10	9020-1348	1	BEARING
11	9020-1349	1	SHAFT
12	9020-1350	1	TUBE AND FLANGE
13	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5
14	8820-1033	1	HEX HD CAPSCREW, 3/8-16X3/4, GR5
15	9020-6762 9020-6567	1	ORBITROL ORBITROL SEAL KIT

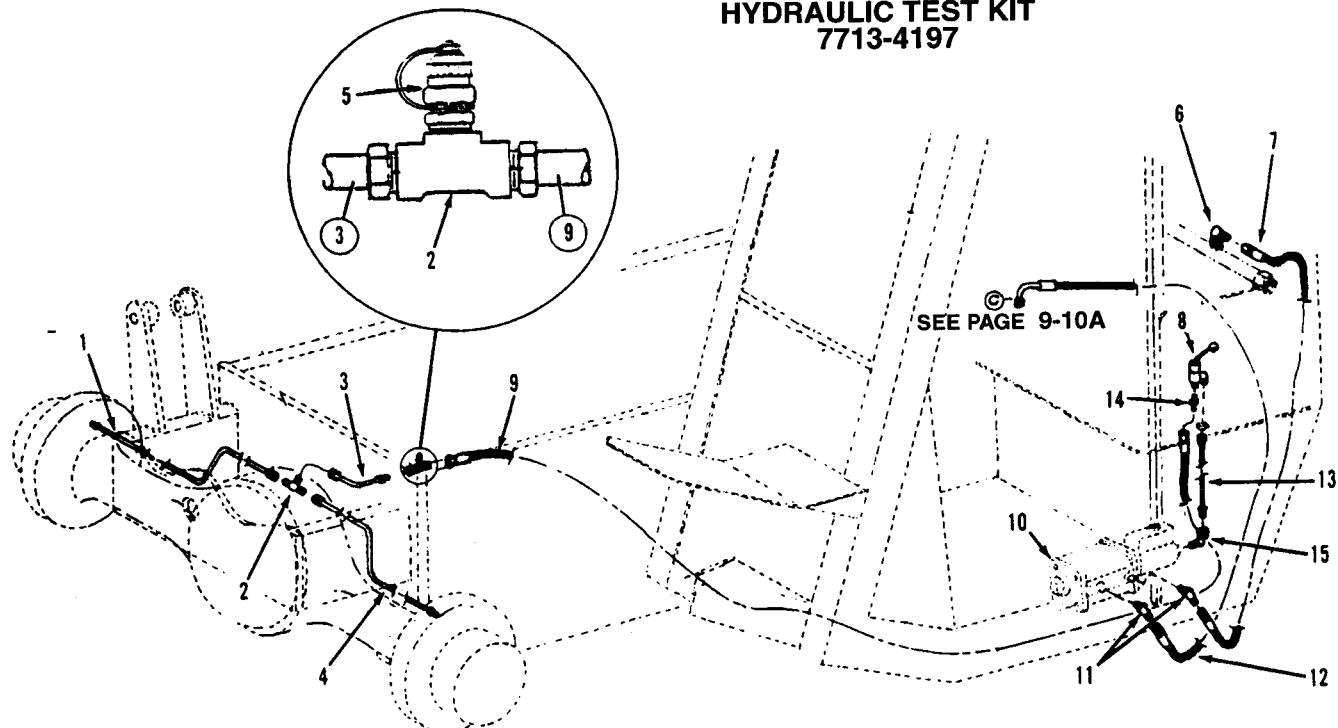


Item	Part No.	Qty.	Description Of Part
1	9020-7851	1	TUBE ASSEMBLY
2	9020-0437	2	TEE
3	9020-7853	1	TUBE ASSEMBLY
4	9020-7852	1	TUBE ASSEMBLY
5	9020-7834	1	CLAMP
	8820-1031	2	HEX HD CAPSCREW, 3/8-16X1/2, GR5
6	9020-7816	1	ACCUMULATOR
7	8866-2065	3	ELBOW - 90 DEGREES (includes o-ring)
	8859-1205	3	O-RING
8	9020-7838	1	HIGH PRESSURE HOSE
9	9103-3245	1	HIGH PRESSURE HOSE
10	8866-2224	2	SWIVEL NUT BRANCH TEE, 3/8 TUBE
11	8874-3043	1	MALE ELBOW - 90 DEGREES 1/4X3/8 TUBE
12	9020-7823	1	BRAKE SWITCH
13	9020-7839	1	HIGH PRESSURE HOSE
14	8866-2153	1	BRANCH TEE (includes o-ring)
	8859-1205	1	O-RING
15	9020-2926	1	CHECK VALVE

Item	Part No.	Qty.	Description Of Part
16	9040-0527	1	ADAPTER
17	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
18	9020-7836	1	HYDRAULIC HOSE
19	9020-7837	1	HYDRAULIC HOSE
20	9103-3275	1	BRAKE BOOSTER (see page 8-6A)
	9020-7856	1	GASKET
21	9040-0835	1	MICO LOCK BRAKE CONTROL (includes decals)
22	9020-7854	1	TUBE ASSEMBLY
	9020-7855	1	PLUG
23	9020-0192	1	WARNING LIGHT
24	9020-0349	1	GROUND WIRE
25	9020-7857	1	WIRE
26	9002-8960	3	MALE CONNECTOR
27	9002-8959	3	FEMALE CONNECTOR
28	8903-1425	1	EYE CONNECTOR
29	9103-3033	1	MINI-CHECK
30	9002-7970	1	ELBOW-90 DEGREE (swivel)

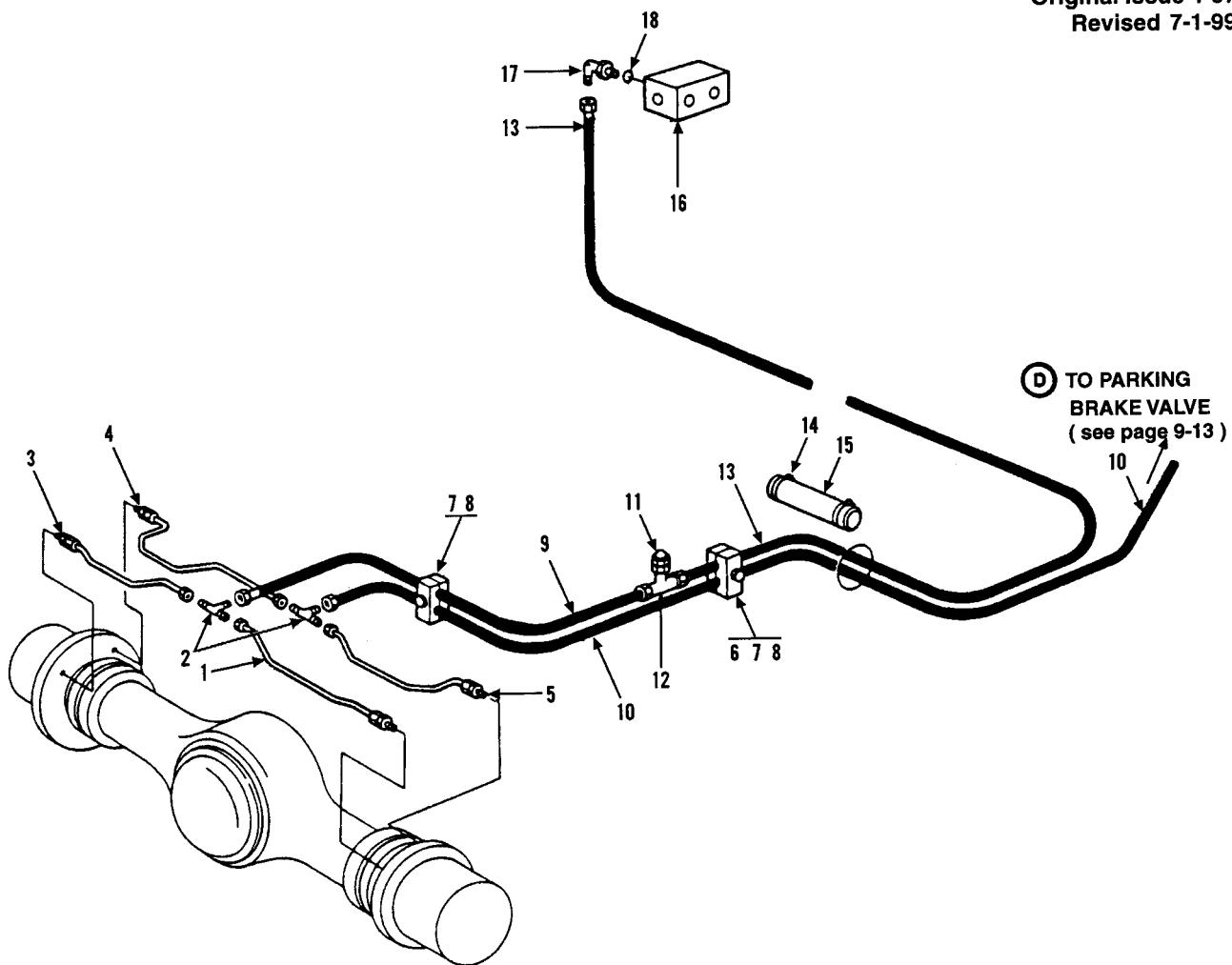
Starting Serial No. 83444491
Thru Serial No. 8744114G
Excluding Serial No. 8744079G
Perkins Engine Only
Original Issue 2-85
Revised 7-1-99

HYDRAULIC TEST KIT
7713-4197

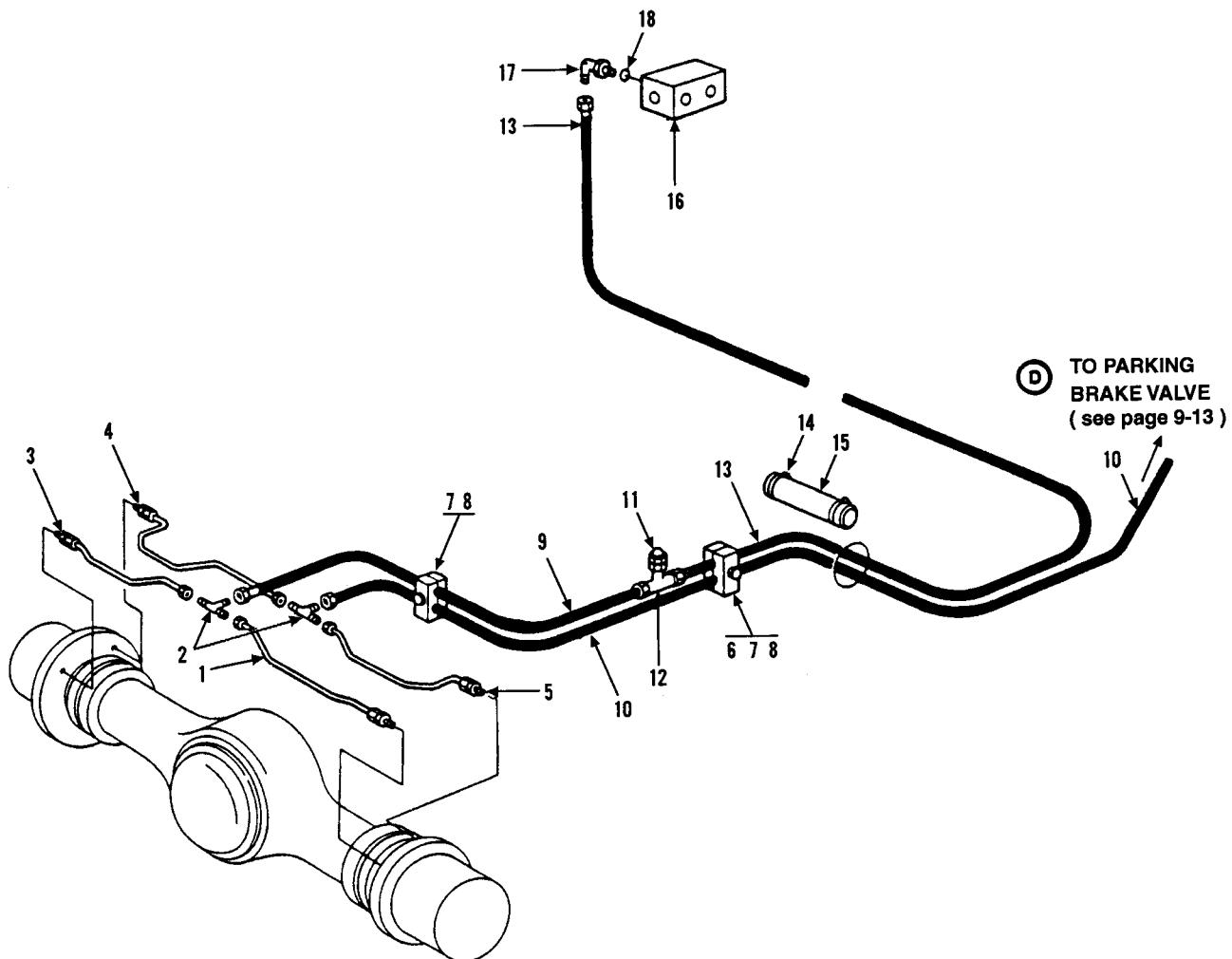


Item	Part No.	Qty.	Description Of Part
1	9020-7851	1	TUBE ASSY
2	9020-0437	2	TEE
3	9020-7853	1	TUBE ASSY
4	9020-7852	1	TUBE ASSY
5	9103-3033	1	MINI CHECK
6	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
7	9020-7836	1	HYDRAULIC HOSE
8	9040-0835	1	MICO LOCK BRAKE CONTROL (includes decals) (see page 8-9)
9	9103-3245	1	HIGH PRESSURE HOSE
10	9103-3275	1	BRAKE BOOSTER (see page 8-6A)
	9020-7856	2	GASKET
	9020-7855	2	PLUG
11	8866-2065	2	ELBOW - 90 DEGREES (includes o-ring)
	8859-1205	2	O-RING
12	8471-7604	1	HOSE ASSY
13	9020-7854	1	TUBE ASSY
14	9002-7769	1	STRAIGHT ADAPTER
15	9002-7970	1	ELBOW - 90 DEGREES (swivel)

* Changed page number from 8-1A to 8-1.

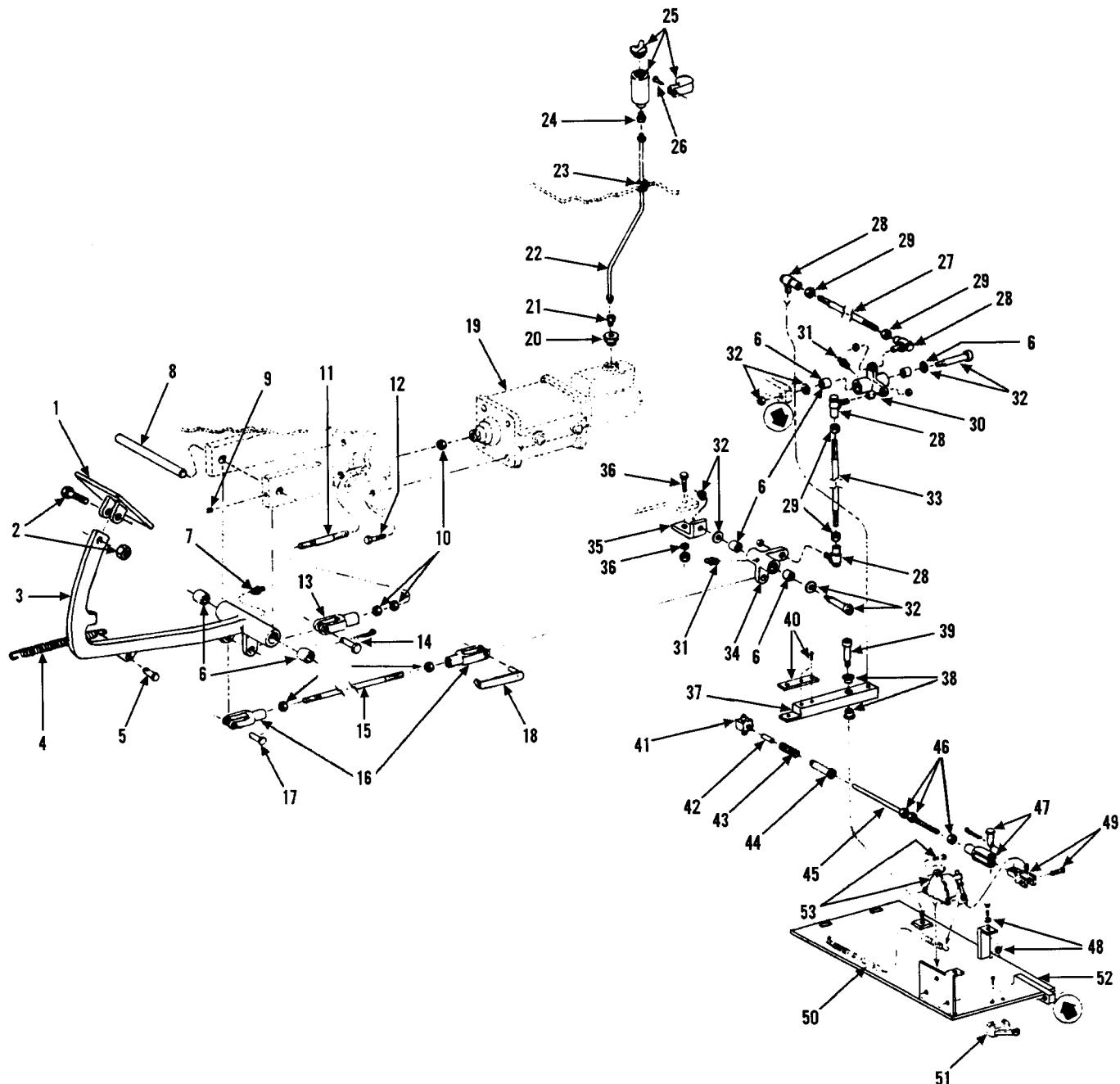


Item	Part No.	Qty.	Description Of Part
1	9104-3188	1	TUBE ASSY
2	8866-1305	2	UNION TEE, 3/8 TUBE
3	9104-3072	1	TUBE ASSY
4	9104-3189	1	TUBE ASSY
5	9104-3190	1	TUBE ASSY
6	7713-3177	2	HEX HD CAPSCREW
7	7713-3140	2	COVER PLATE
8	7713-3139	2	CLAMP SET
9	8471-7524	1	HOSE ASSY
10	8471-7522	1	HOSE ASSY
11	9103-3032	1	MINI-CHECK COUPLING
12	9104-3091	1	FEMALE BRACH TEE
13	8471-7523	1	HOSE ASSY
14	9002-7178	6	NYLON HOSE TIE
15	9104-1258	3	SLOTTED HOSE
16	9103-3307	REF	BRAKE VALVE ASSY (see page 10-21 for details)
17	8866-2064	1	ELBOW, 90 DEGREES (includes item 18)
18	8859-1204	1	O-RING



Item	Part No.	Qty.	Description Of Part
1	9104-3188	1	TUBE ASSY
2	8866-1305	2	UNION TEE, 3/8 TUBE
3	9104-3072	1	TUBE ASSY
4	9104-3189	1	TUBE ASSY
5	9104-3190	1	TUBE ASSY
6	7713-3177	2	HEX HD CAPSCREW
7	7713-3140	2	COVER PLATE
8	7713-3139	2	CLAMP SET
9	8471-7524	1	HOSE ASSY
10	8471-7522	1	HOSE ASSY
11	9103-3032	1	MINI-CHECK COUPLING
12	9104-3091	1	FEMALE BRACH TEE
13	8471-7523	1	HOSE ASSY
14	9002-7178	6	NYLON HOSE TIE
15	9104-1258	3	SLOTTED HOSE
16	9103-3307	REF	BRAKE VALVE ASSY (see page 10-21 for details)
17	8866-2064	1	ELBOW, 90 DEGREES (includes item 18)
18	8859-1204	1	O-RING

* Changed the page number from 8-1A to 8-1.



Item	Part No.	Qty.	Description Of Part
1	9020-1463	1	BRAKE PEDAL
2	8820-1068	1	HEX HD CAPSCREW, 1/2-13X1-3/4 GR5
	8850-1008	1	
3	9040-3371	1	BRAKE LEVER
4	9020-0559	2	SPRING
5	9002-1553	1	CLEVIS PIN
6	9020-0290	6	BEARING
7	8867-1008	3	LUBE FITTING - STRAIGHT 1/4-28
8	9020-1562	1	PIN
9	8840-1001	2	SQ HD SET SCREW (cup point) 1/4-20X1/2
10	8850-1408	5	HEX JAM NUT, 1/2-20
11	9020-7835	1	SLIP ROD
12	8820-1066	4	HEX HD CAPSCREW, 1/2-13X1-1/4 GR5
13	9103-3237	1	SLIP YOKE
14	9002-1553	1	PIN
	8863-1318	1	COTTER PIN, 1/8X1
15	9020-7766	1	ROD
16	8882-1004	2	ADJUSTABLE YOKE END
17	9002-1558	1	CLEVIS PIN
18	9002-7987	1	SPRING CLEVIS
19	9103-3275	1	BRAKE BOOSTER (see page 8-6A)
20	9020-7887	1	CAP
21	9002-7769	1	FITTING
22	NSS	36"	NYLON TUBE LINE, 3/8"
23	9020-2303	1	GROMMET
24	9002-7769	1	FITTING
25	9020-7888	1	RESERVOIR FILL KIT
26	8820-1032	1	HEX HD CAPSCREW, 3/8-16X5/8 GR5
	8856-1109	1	FLAT WASHER, 3/8
27	9020-7768	1	ROD
28	9020-0406	4	BALL JOINT
29	8850-1406	6	HEX JAM NUT, 3/8-24
30	9020-7805	1	BELLCRANK
31	8867-1008	2	LUBE FITTING - STRAIGHT 1/4-28
32	9020-3502	2	SHOULDER BOLT
	8856-1113	4	FLAT WASHER, 5/8
	9002-8662	AR	WAVE WASHER
	8850-1108	2	HEX NUT, 1/2-13

Item	Part No.	Qty.	Description Of Part
33	9020-7767	1	ROD
34	9020-7833	1	BELLCRANK
35	9020-7769	1	BELLCRANK MOUNTING BRACKET
36	8820-1066	1	HEX HD CAPSCREW, 1/2-13X1-1/4 GR5
	8540-1340	1	WASHER, 1/2
	8850-1008	1	HEX NUT, 1/2-13
37	9040-3415	1	PIVOT ARM
38	9002-8971	2	BUSHING
39	9002-6511	1	SHOULDER BOLT
40	9020-7745	1	TOP PLATE
	8820-1005	2	HEX HD CAPSCREW, 1/4-20X1 GR5
41	9020-7742	1	SWIVEL
42	9103-3007	1	BUSHING
43	9020-8214	1	SPRING
44	9020-8213	1	SPRING GUIDE
45	9020-7743	1	SLIP ROD
46	8850-1304	3	HEX NUT, 1/4-28
47	9002-7684	1	CLEVIS AND PIN YOKE
48	8820-1005	4	HEX HD CAPSCREW, 1/4-20X1 GR5
	8856-1107	4	FLAT WASHER, 1/4
	8850-1004	4	HEX NUT, 1/4-20
49	9020-7750	1	LINK
	9002-8974	1	CLEVIS PIN
50	9020-7753	1	SPRING
51	9020-0616	1	MICRO SWITCH
	8830-4917	2	
	9002-8962	2	NUT
52	9060-2897	1	INCHING BASE PLATE
53	9020-7752	1	POTENTIOMETER (mounting inst. dwg. 9060-2899)
	9002-0494	3	BOLT
	9002-8976	3	WASHER
	9002-8975	3	NUT

9103-5070 Waukesha inching kit. Used to provide improved inching system for Waukesha powered machines.

9103-5111 Perkins inching kit. Used to provide updated inching system when changing from Waukesha to Perkins engine. Microswitch kit 9103-5110 must be used in conjunction with this kit.

GRADALL®
MATERIAL HANDLER
534B

BRAKE and INCHING LINKAGE

Starting Serial No. 8444491

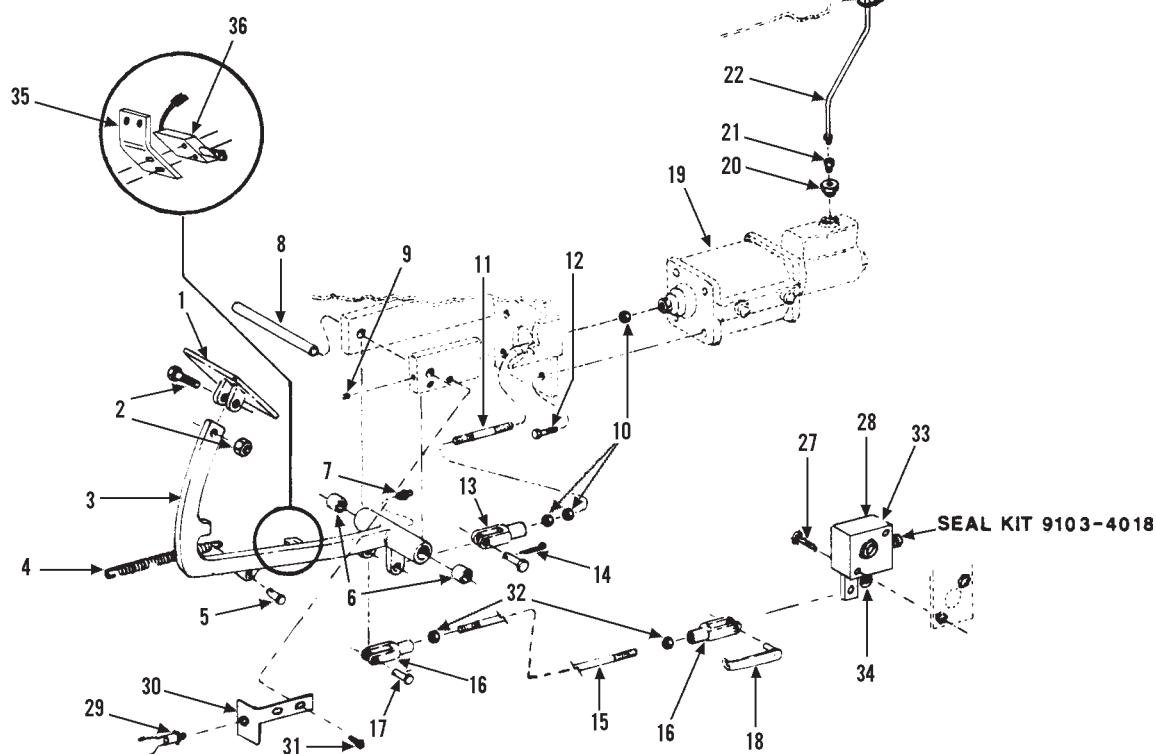
Thru Serial No. 8744114G

Excluding Serial No. 8744079G

Perkins Engine Only

Original Issue 2-85

Revised 6-8-06

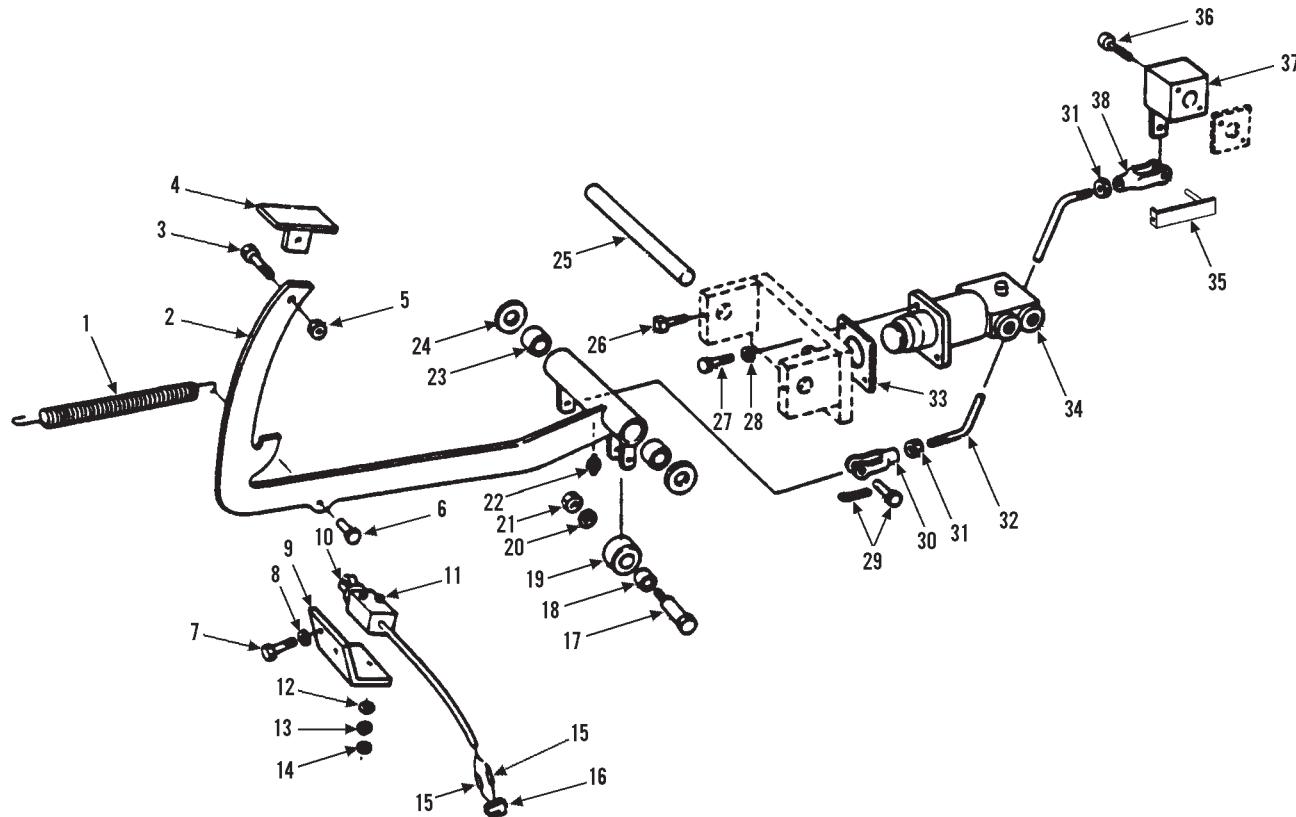


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-1463	1	BRAKE PEDAL	23	9002-7187	1	TRAP
2	8820-1068	1	HEX HD CAPSCREW, 1/2-13X1-3/4 GR5	24	9002-7769	1	FITTING
	8850-1008	1	HEX NUT, 1/2-13	25	9020-7888	1	RESERVOIR FILL KIT
3	9040-3371	1	BRAKE LEVER	26	8820-1032	1	HEX HD CAPSCREW, 3/8-16X5/8 GR5
4	9020-0559	2	SPRING		8856-1109	1	FLAT WASHER, 3/8
5	9002-1553	1	CLEVIS PIN	27	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4 GR5
6	9020-0290	6	BEARING		8850-1004	2	HEX NUT, 1/4-20
7	8867-1008	3	LUBE FITTING - STRAIGHT 1/4-28	28	9103-3096	1	INCHING VALVE
8	9020-1562	1	PIN	29	9103-3098	1	TRANS. DISCONNECT SWITCH (used on S/N 8444491 thru 8544670)
9	8844-1001	2	SQUARE HD SET SCREW (cup point) 1/4-20x1/2	30	9103-1084	1	SWITCH BRACKET (used S/N 8444491 thru 8544670)
10	8850-1408	5	HEX JAM NUT, 1/2-20	31	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2 GR5
11	9020-7835	1	SLIP ROD		8856-1004	2	FLAT WASHER, 3/8
12	8820-1066	4	HEX HD CAPSCREW, 1/2-13X1-1/4 GR5		8850-1006	2	HEX NUT, 3/8-16
13	9103-3237	1	SLIP YOKE	32	8850-1406	2	HEX JAM NUT, 3/8-24
14	9002-1553	1	PIN	33	8319-3008	1	METRIC ELBOW
	8863-1318	1	COTTER PIN, 1/8X1	34	8319-3009	1	METRIC ADAPTER
15	9103-1085	1	ROD	35	9103-1232	1	SWITCH BRACKET (starting S/N 8544671)
16	8882-1004	2	ADJUSTABLE YOKE END	*36	9103-3439	1	TRANS. DISCONNECT SWITCH (STARTING S/N 8544671)
17	9002-1558	1	CLEVIS PIN				
18	9002-7987	1	CLEVIS SPRING				
19	9103-3275	1	BRAKE BOOSTER (see page 8-5A)				
20	9020-7887	1	CAP				
21	9002-7769	1	FITTING				
22	NSS	36"	NYLON TUBE LINE, 3/8				

* Revised part number on item 36.

BRAKE PEDAL & INCHING LINKAGE

Starting Serial No. 8744115G
Also Machine S/N 8744079G
Original Issue 4-87
Revised 6-8-06

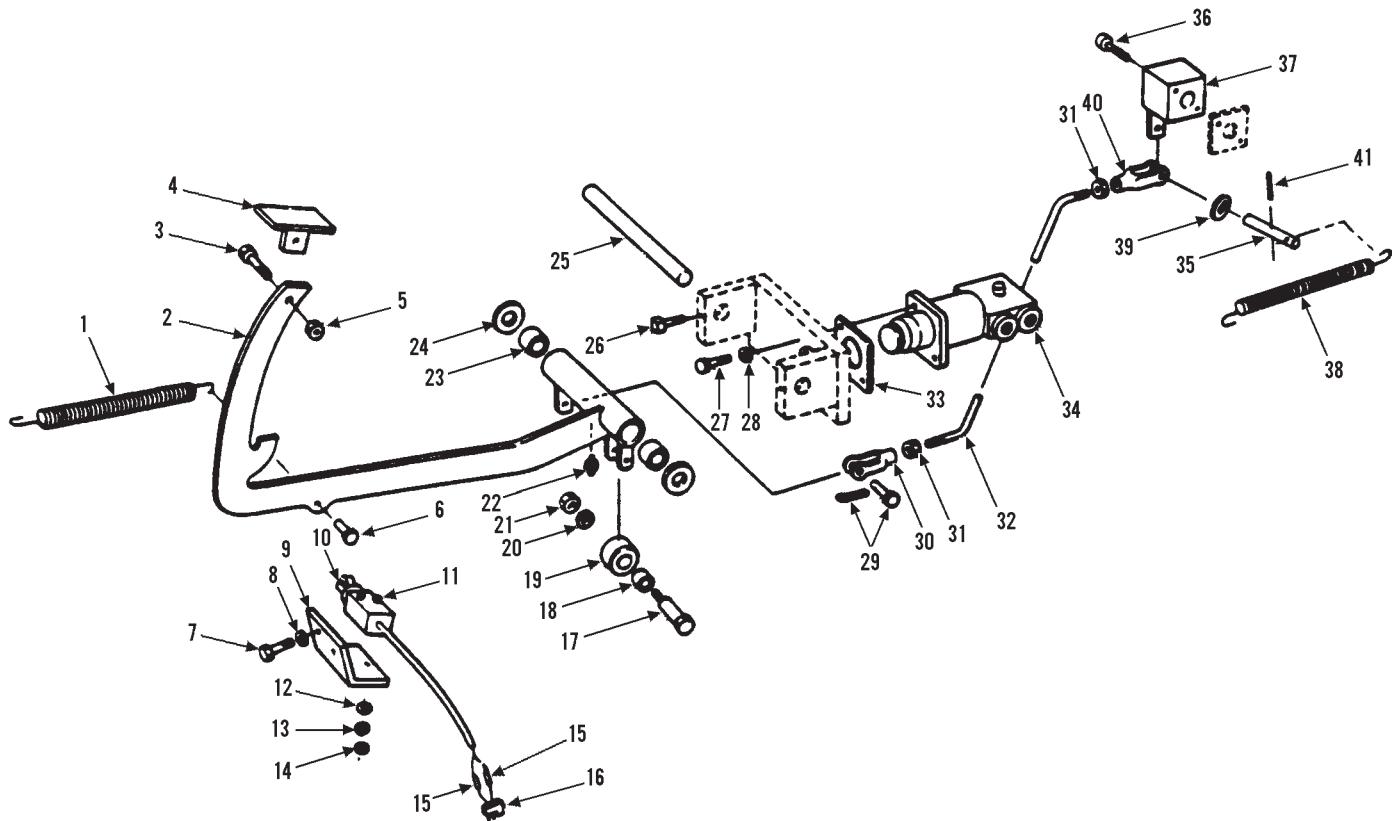


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9104-3154	1	RETURN SPRING	21	8850-1005	1	HEX NUT, 5/16-18
2	9104-6057	1	BRAKE LEVER WELDMENT	22	8867-1008	1	LUBE FITTING, STRAIGHT, 1/4-28
3	8820-1068	1	HEX HD CAPSCREW, 1/2-13X1 3/4 GR5	23	9020-0290	2	BEARING
4	9020-1463	1	PEDAL WELDMENT	24	9002-8662	2	WASHER
5	8850-1008	1	HEX NUT, 1/2-13	25	9020-1562	1	PIN
6	8863-3002	1	YOKE PIN, 5/16	26	8844-1001	2	SQUARE HD SET SCREW, 1/4-20X1 1/2 (cup point)
7	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5	27	8319-1028	2	HEX HD CAPSCREW, M8X1.25
8	8855-1009	2	LOCKWASHER, 1/4	28	8319-1011	2	LOCKWASHER, M8
9	9103-1232	1	SWITCH MOUNTING BRACKET	29	9002-1558	1	CLEVIS PIN & COTTER PIN
*10	9103-3439	1	TRANSMISSION DISCONNECT SWITCH	30	8882-1004	2	ADJUSTABLE YOKE END, 3/8-24
11	8821-1032	2	SOCKET HD CAPSCREW, #10-24, GR8	31	8850-1406	6	HEX JAM NUT, 5/16-24
12	8856-1105	2	FLAT WASHER, #10	32	9103-1085	1	ROD
13	8855-1007	2	LOCKWASHER, #10	33	9104-1197	2	SHIM
14	8850-1612	2	HEX NUT, #10-24	34	Ref		BRAKE VALVE ASSY (see page 10-21 for details)
15	8668-3480	2	CRIMP ON CONNECTOR	35	9002-7987	1	CLEVIS SPRING
16	8348-3114	1	MALE CONNECTOR	36	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1 1/4, GR8
17	8825-1023	1	SOCKET HD SHOULDER SCREW 3/8X1 1/2, 5/16-18 THREAD	37	9103-3096	1	INCHING VALVE
18	9104-3086	1	BEARING		9103-4018	1	INCHING VALVE SEAL KIT
19	9104-1196	1	ROLLER				
20	8855-1010	1	LOCKWASHER, 5/16				

* Revised part number on item 10.

BRAKE PEDAL & INCHING LINKAGE

Starting Serial No. 0144337H
Original Issue 4-88
Revised 6-8-06



Item	Part No.	Qty.	Description Of Part
1	9104-3214	1	RETURN SPRING
2	9104-6083	1	BRAKE LEVER WELDMENT
3	8820-1068	1	HEX HD CAPSCREW, 1/2-13X1-3/4 GR5
4	9020-1463	1	PEDAL WELDMENT
5	8850-1008	1	HEX NUT, 1/2-13
6	9104-1402	1	SPECIAL CLEVIS PIN
7	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5
8	8855-1009	2	LOCKWASHER, 1/4
9	9104-1431	1	SWITCH MOUNTING BRACKET
*10	9103-3439	1	TRANSMISSION DISCONNECT SWITCH
11	8821-1032	2	SOCKET HD CAPSCREW, #10-24, GR8
12	8856-1105	2	FLAT WASHER, #10
13	8855-1007	2	LOCKWASHER, #10
14	8850-1612	2	HEX NUT, #10-24
15	8668-3480	2	CRIMP ON CONNECTOR
16	8348-3114	1	MALE CONNECTOR
17	8825-1023	1	SOCKET HD SHOULDER SCREW 3/8X1-1/2, 5/16-18 THREAD
18	9104-3086	1	BEARING
19	9104-1196	1	ROLLER
20	8855-1010	1	LOCKWASHER, 5/16
21	8850-1005	1	HEX NUT, 5/16-18
22	8867-1008	1	LUBE FITTING, STRAIGHT, 1/4-28

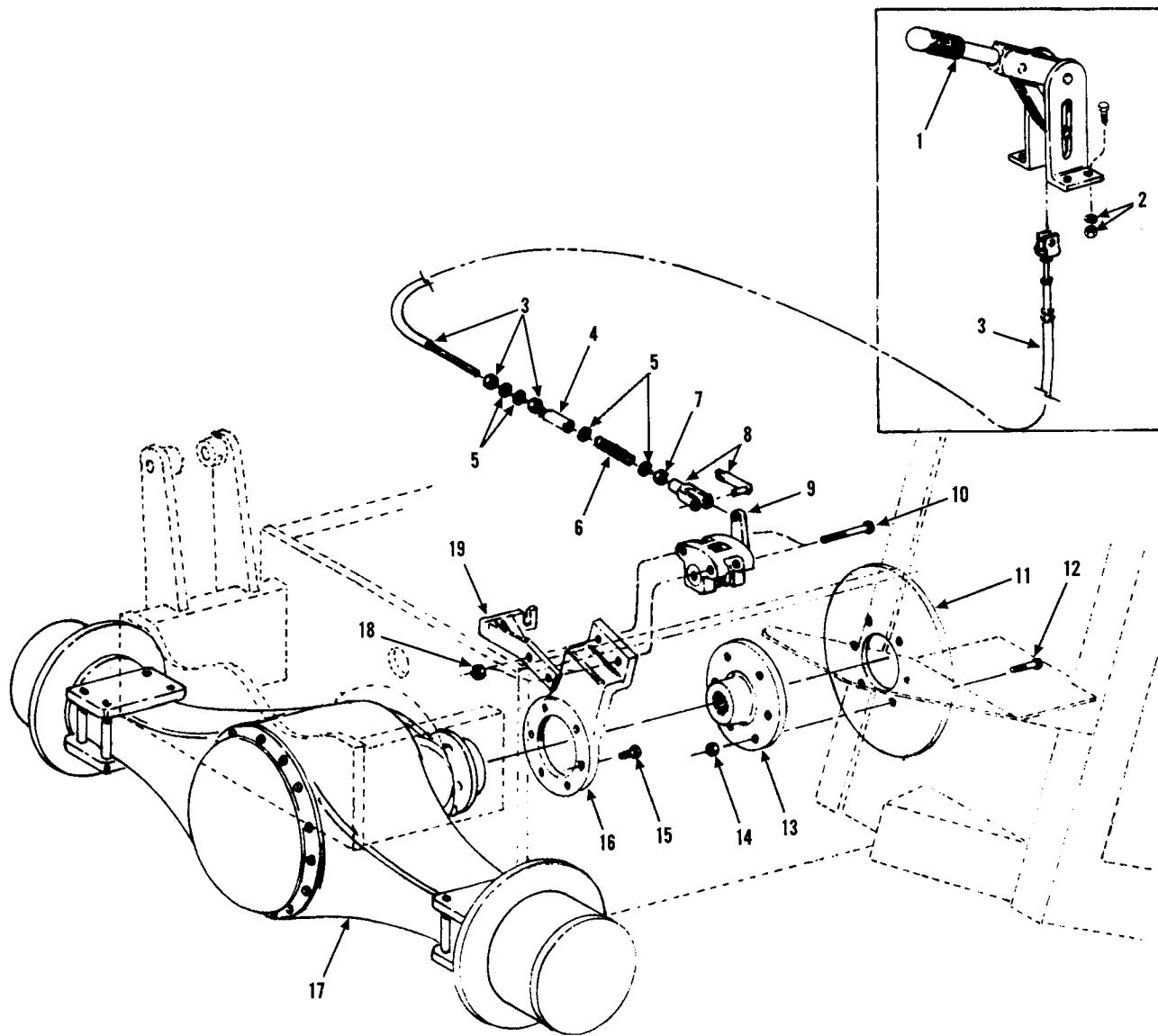
Item	Part No.	Qty.	Description Of Part
23	9020-0290	2	BEARING
24	9002-8662	2	WASHER
25	9020-1562	1	PIN
26	8844-1001	2	SQUARE HD SET SCREW, 1/4-20X1/2 (cup point)
27	8319-1028	2	HEX HD CAPSCREW, M8X1.25
28	8319-1011	2	LOCKWASHER, M8
29	9002-1558	1	CLEVIS PIN & COTTER PIN
30	8882-1004	2	ADJUSTABLE YOKE END, 3/8-24
31	8850-1406	6	HEX JAM NUT, 5/16-24
32	9103-1085	1	ROD
33	9104-1197	2	SHIM
34	Ref		BRAKE VALVE ASSY (see page 10-21 for details)
35	9104-1425	1	SPECIAL CLEVIS PIN
36	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1-1/4, GR8
37	9103-3096	1	INCHING VALVE
	9103-4018	1	INCHING VALVE SEAL KIT
38	9020-7801	1	SPRING
39	8856-1004	1	FLAT WASHER, 3/8
40	9104-1424	1	SPECIAL YOKE END
41	8863-1303	1	COTTER PIN, 1/16X1

Starting Serial No. 8344001L

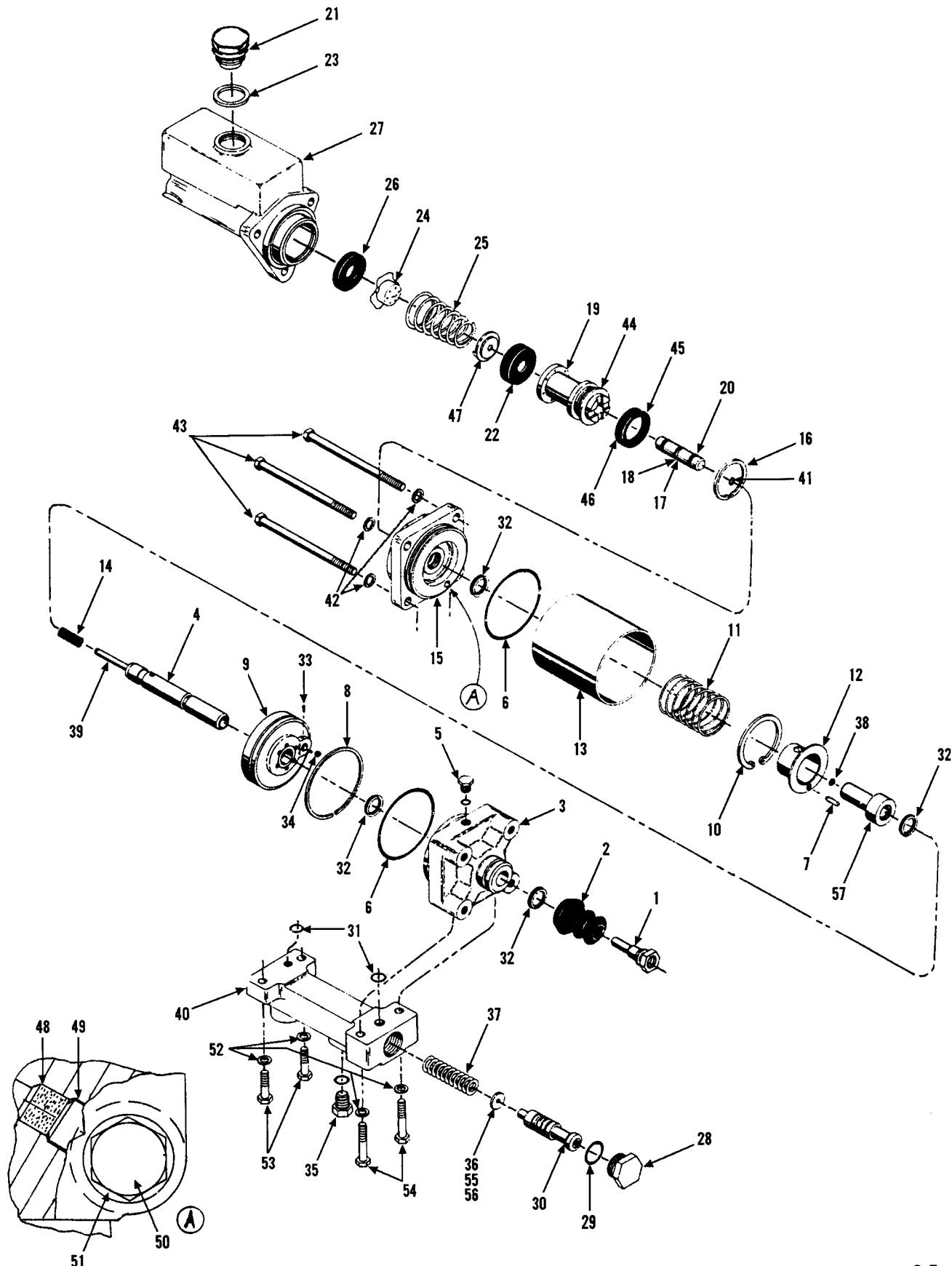
thru Serial No. 8744114G

Excluding Serial No. 8744079G

Revised 7-1-99



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-6029	1	PARKING BRAKE LEVER	10	9103-1003	2	BOLT, 1/2X5 1/2
2	8820-1037	4	HEX HD CAPSCREW, 3/8-16X1 1/2 GR5	11	9061-0038	1	BRAKE DISC
	8850-1006	4	HEX NUT, 3/8-16	12	8820-1037	6	HEX HD CAPSCREW, 3/8-16X1 1/2 GR5
3	9103-3253	1	LOCKWASHER, 3/8	13	9041-0247	1	YOKE
4	9020-7356	1	BOOT	14	8850-1006	6	HEX NUT, 3/8-16
5	8856-1109	3	FLAT WASHER, 3/8	15	9020-8133	5	BOLT, HM 14X1.5
6	9020-1831	1	SPRING	16	9020-8134	1	BOLT, GM 12X1.5
7	8850-1406	1	HEX JAM NUT, 3/8-24	17	9061-0039	1	EMERGENCY BRAKE MOUNTING BRACKET
8	8882-1004	1	ADJUSTABLE YOKE END	18	9020-7905	1	FRONT AXLE (see pages 6-12 thru 6-14 for details)
	9002-7987	1	SPRING CLEVIS	19	8850-1108	2	HEAVY HEX JAM NUT, 1/2-13
9	9040-1570	1	EMERGENCY BRAKE CALIPER (see page 8-8 for details)		9041-0283	1	CABLE MOUNTING BRACKET



* Revised page numbers in this section

Item	Part No.	Qty.	Description Of Part
	9020-7810	1	BOOSTER & BRAKE MASTER CYLINDER ASSEMBLY
1	9020-8074	1	PUSH ROD
2	9020-8075	1	BOOT
3		1	HOUSING
4		1	PISTON
5		1	PLUG
6		1	O-RING
7		1	PIN
8		1	PISTON RING
9		1	PISTON
10		1	RETAINING RING
11		1	SPRING
12		1	RETAINER
13		1	TUBE
14		1	SPRING
15		1	HOUSING
16	9020-8089	1	RETAINING RING
17	9020-8090	1	BACK-UP RING
18	9020-8091	1	O-RING
19	9020-8092	1	PISTON
20	9020-8093	1	PISTON
21	9020-8094	1	FILLER PLUG
22	9020-8095	1	CUP
23	9020-8096	1	GASKET
24	9020-8097	1	CHECK VALVE
25	9020-8098	1	SPRING
26	9020-8099	1	SEAT
27	9020-8100	1	HOUSING
28		1	PLUG
29		1	O-RING
30		1	SPool
31		2	O-RING
32		4	CUP
33		1	PIN
34		1	BALL
35		1	PLUG
36		1	SHIM (as required)
37		1	SPRING
38		1	O-RING
39		1	ROD
40		1	HOUSING
41	9020-8114	1	RETAINING RING
42		3	LOCKWASHER
43		3	CAPSCREW
44		AR	SILICONE GREASE
45	9020-8118	1	CUP
46	9020-8119	2	CUP
47	9020-8120	1	RETAINER
48		1	SNUBBER
49		1	RETAINER
50		4	CAPSCREW
51		4	LOCKWASHER
52		4	LOCKWASHER
53		2	CAPSCREW
54		2	CAPSCREW
55		AR	SHIM
56		AR	SHIM
57		PISTON	
58	9020-8131	AR	REPAIR KIT (consists of items 16 thru 20, 22 thru 24, 26, and 45 thru 47)
	9103-4056		MASTER CYLINDER ASSEMBLY (consists of items 16 thru 27, 41, and 44 thru 47)

GRADALL®
MATERIAL HANDLER
534B

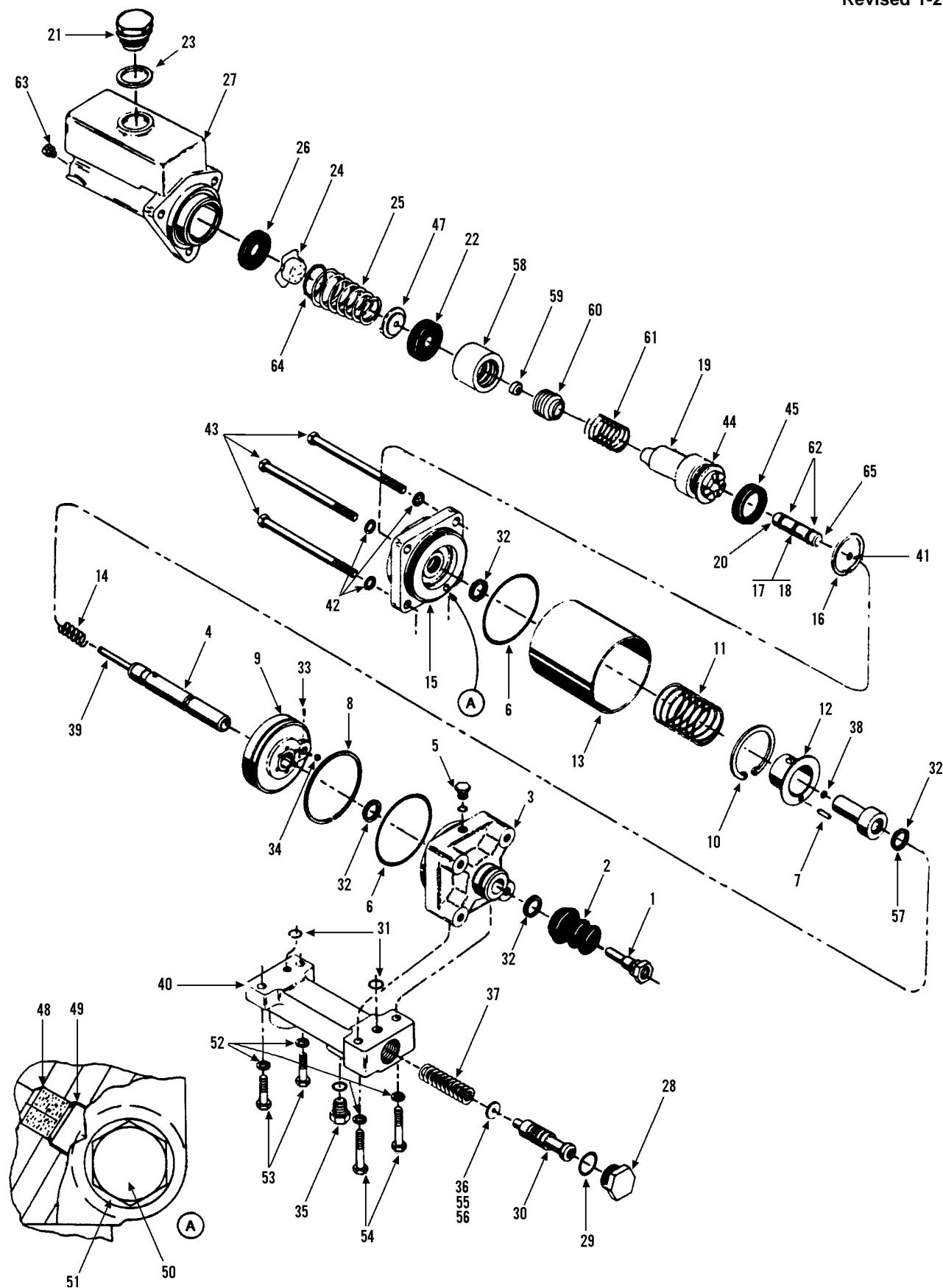
BRAKE CYLINDER and BOOSTER

Starting Serial No. 8744013G

Excluding Serial No. 8744079G

Original Issue 11-86

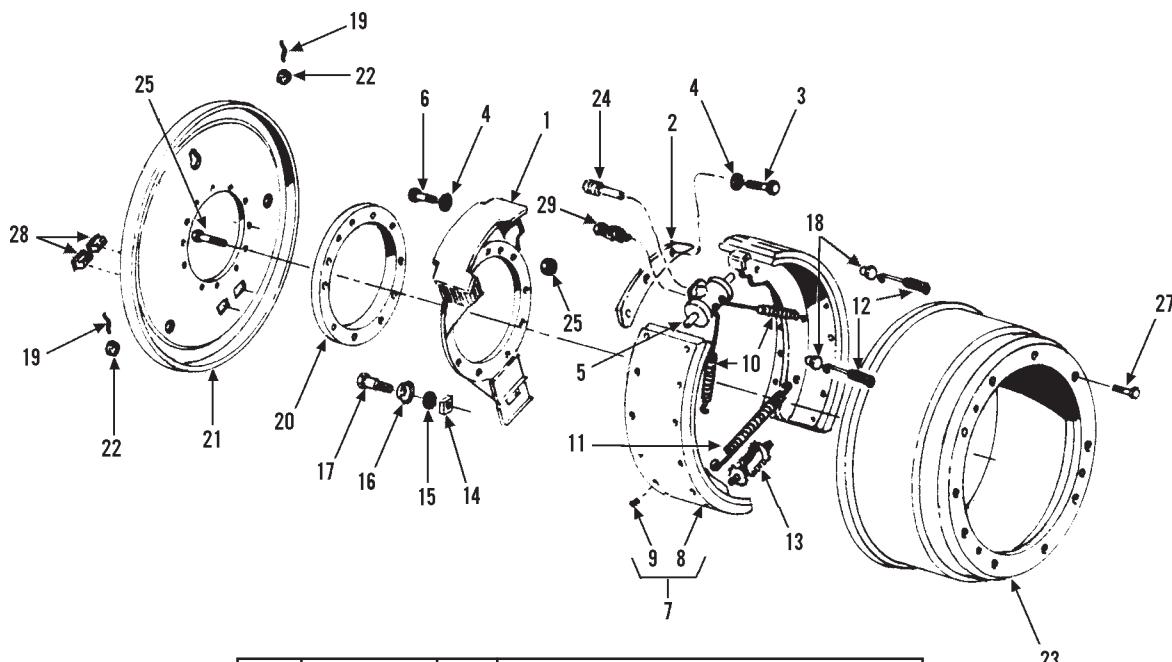
Revised 1-23-04



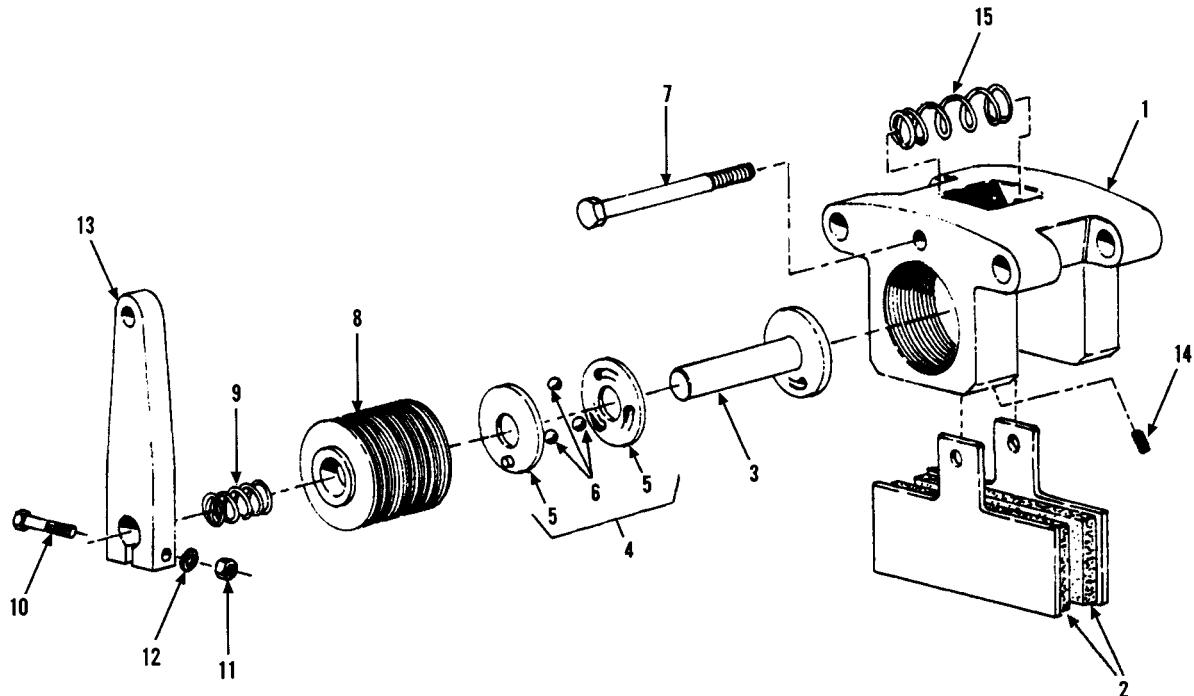
* Revised inclusion note on Booster Seal Kit.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-3275	1	BOOSTER & BRAKE MASTER CYLINDER ASSY (includes all items)	32		4	CUP
	9103-4079	AR	REPAIR KIT (includes items 16, 17, 18, 20, 22, 23, 26, 45, 58, 59, 60, 62 & 64)	33		1	PIN
	9103-4088	AR	MASTER CYLINDER ASSY (includes items 16 thru 27, 41, 44, 45, 47 & 58 thru 64)	34		1	BALL
*	9020-8132	AR	BOOSTER SEAL KIT (includes items 2, 6, 8, 29, 31, 32, 35, & 38)	35		1	PLUG
1	9020-8074	1	PUSH ROD	36		AR	SHIM
2	9020-8075	1	BOOT	37		1	SPRING
3		1	HOUSING	38		1	O-RING
4		1	PISTON	39		1	ROD
5		1	PLUG	40		1	HOUSING
6		1	O-RING	41	9020-8114	1	RETAINING RING
7		1	PIN	42		3	LOCKWASHER
8		1	PISTON RING	43		3	CAPSCREW
9		1	PISTON	44		AR	SILICONE GREASE
10		1	RETAINING RING	45	9103-4081	1	CUP
11		1	SPRING	47	9020-8120	1	RETAINER
12		1	RETAINER	48		1	SNUBBER
13		1	TUBE	49		1	RETAINER
14		1	SPRING	50		4	CAPSCREW
15		1	HOUSING	51		4	LOCKWASHER
16	9103-4080	1	RETAINING RING	52		4	LOCKWASHER
17	9020-8090	1	BACK-UP RING	53		2	CAPSCREW
18	9020-8091	1	O-RING	54		2	CAPSCREW
19	9103-4093	1	PISTON	55		AR	SHIM
20	9103-4084	1	PISTON	56		AR	SHIM
21	9020-8094	1	FILLER PLUG	57		1	PISTON
22	9020-8095	1	CUP	58	9103-4086	1	PISTON
23	9020-8096	1	GASKET	59	9103-4087	1	SEAT
24	9020-8097	1	CHECK VALVE	60	9103-4085	1	RETAINER
25	9103-4095	1	SPRING	61	9103-4094	1	SPRING
26	9020-8099	1	SEAT	62	9020-8119	2	CUP
27	9103-4096	1	HOUSING	63	9103-4092	1	CONNECTOR
28		1	PLUG	64	9103-4082	1	O-RING
29		1	O-RING	65	9103-4090	1	RETAINING RING
30		1	SPOOL		9103-4091	1	WASHER
31		2	O-RING				NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.

* Revised inclusion note on Booster Seal Kit.



Item	Part No.	Qty.	Description Of Part
	9020-3894	Ref	BRAKE ASSEMBLY (includes all items)
	9020-7951	Ref	REPAIR KIT (wheel cylinder w/o piston)
	9020-7952	Ref	REPAIR KIT (wheel cylinder w/piston)
1	9020-7945	1	BACKING PLATE
2	9020-3897	1	SPRING ATTACHMENT PLATE
3	9020-3899	2	BOLT HM 8X18
4	9020-3900	4	WASHER, W-5
5	9020-3901	1	CYLINDER ASSEMBLY
6	9020-3902	2	BOLT HM 8X40
7	9020-3903	2	BRAKE SHOE ASSY (includes items 8 & 9)
8	9020-3904	2	BRAKE SHOE LINING
9	9020-3905	32	RIVET
10	9020-3906	2	SPRING
11	9020-3907	1	SPRING
12	9020-3908	2	SPRING
13	9020-3909	1	AUTOMATIC ADJUSTER
14	9020-3910	1	WASHER
15	9020-7946	1	SEAL
16	9020-3911	1	DUST BOOT
17	9020-3912	1	BOLT
18	9020-7947	2	SPRING GUIDE
19	9020-3914	2	SPRING RETAINER
20	9020-3915	1	BRAKE SPACER
21	9020-3916	1	DUST COVER
22	9020-3913	2	PLUG
23	9020-3917	1	BRAKE DRUM (ID 400 MM minimum)
24	9020-3919	1	BLEEDER SCREW
25	9040-1237	11	NUT M 14X1.50
26	9040-1228	11	BOLT HM 14X1.50X60/30
27	9020-3918	3	BOLT F 90 HM 10X1.50X25
28	9020-7950	2	PLUG
29	9020-3920	1	BANJO FITTING (with bolt)
*			NOTE: QUANTITIES SHOWN ARE FOR ONE SIDE ONLY.



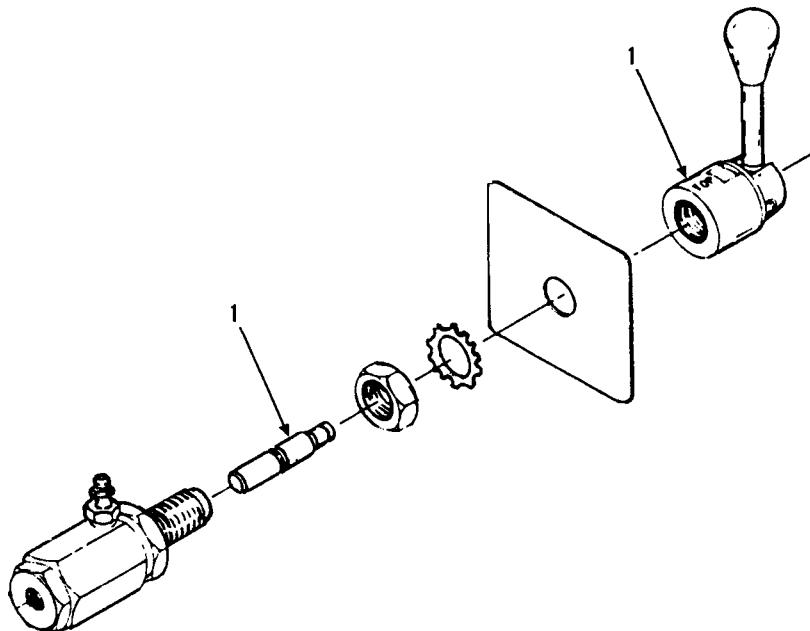
Item	Part No.	Qty.	Description Of Part
1	9040-1570	1	PARKING BRAKE CALIPER
1	NSS	1	CALIPER HOUSING
2	9020-1927	2	LINING
3	9040-1466	1	PISTON
4	9040-1463	1	REPAIR KIT (includes items 5 & 6)
5	9040-1465	2	CAM PLATE
6	9040-1464	3	BALL
7	9020-3190	1	BOLT
8	NSS	1	BODY
9	9040-1462	1	SPRING
10	9020-3191	1	BOLT
11	9020-3192	1	NUT
12	9020-3193	1	WASHER
13	9040-1461	1	LEVER
14	9040-1460	1	SETSCREW
15	9040-1459	1	SPRING

Starting Serial No. 8344001L

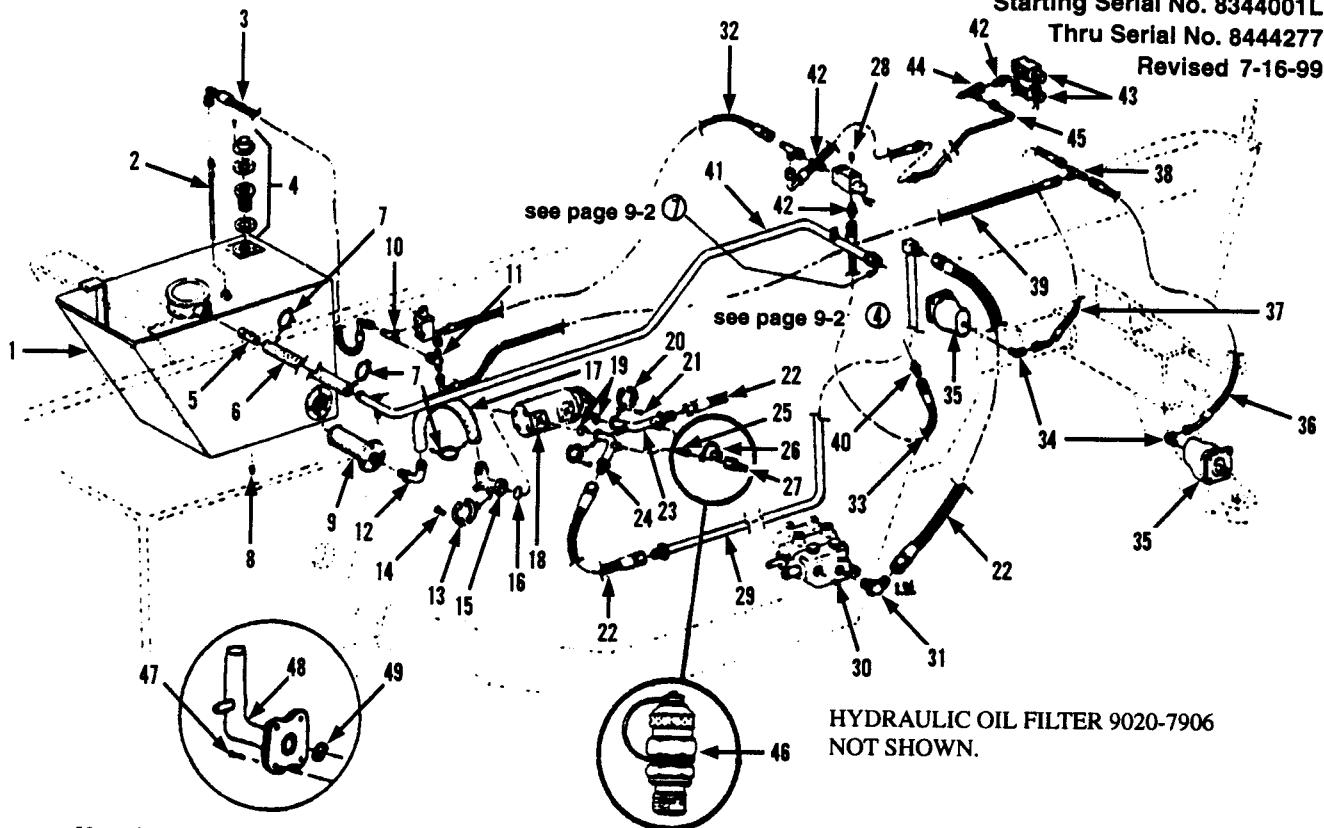
thru Serial No. 8744114G

Excluding Serial No. 8744079G

Revised 7-1-99



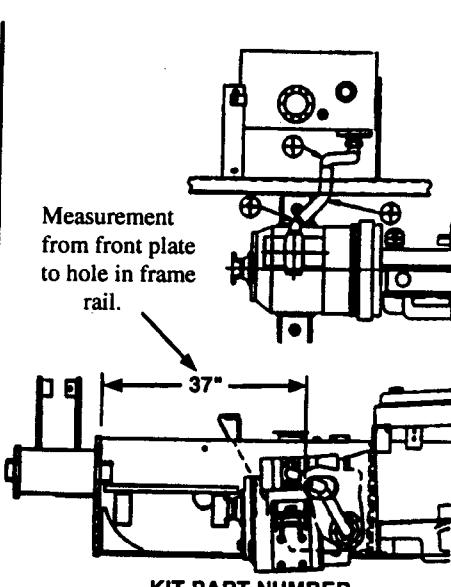
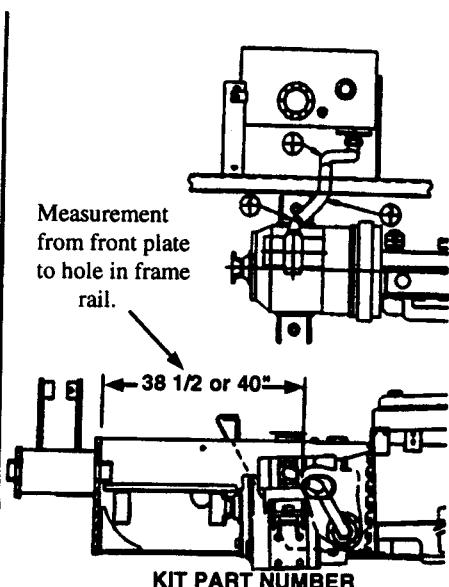
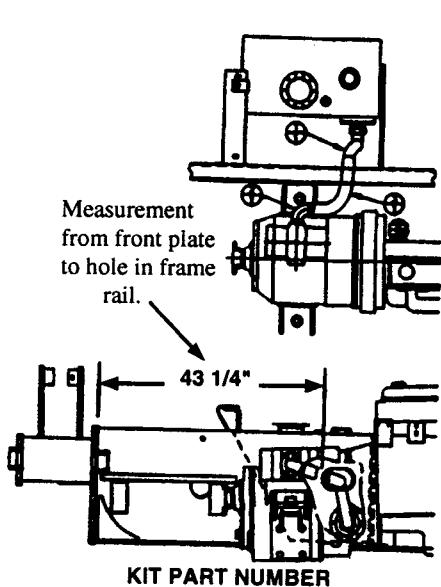
Item	Part No.	Qty.	Description Of Part
1	9040-0835 9020-3341	1 -	BRAKE CONTROL VALVE (mico-lock) REPAIR KIT



** Use with hydraulic gear pump 9103-3156. Replaces items 13, 14, 15, & 16.

SERVICE NOTE:

Item 18, 9020-7615 is no longer available from the vendor. It is replaced by 9103-3226, however it is not positioned the same. In order to attach the new pump to the hydraulic reservoir, one of the following kits will be needed. You will need to know the measurement from the front plate on your machine to the front edge of the hole on frame rail as shown to order the correct kit for your installation.



* Revised page numbers in this section

534B PUMP MODIFICATION KITS

Part No.	Qty.	Description Of Part
9103-5295	Ref	PUMP MODIFICATION KIT (includes the following parts)
9103-3531	1	TUBE ASSY
9103-3533	1	ELBOW, 90 DEGREES
7736-3065	1	SUCTION HOSE, 2"

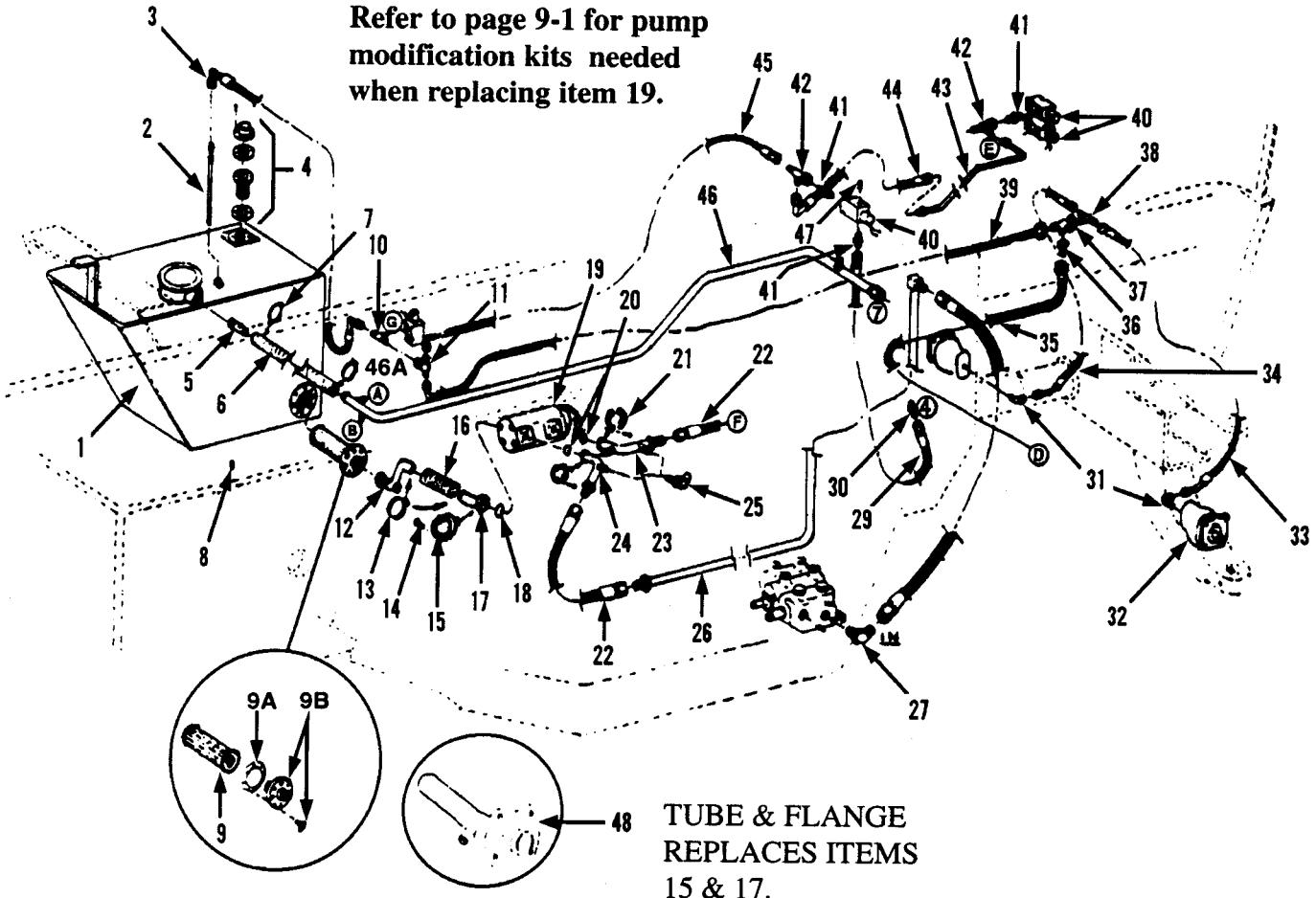
Part No.	Qty.	Description Of Part	Part No.	Qty.	Description Of Part
9103-5296	Ref	PUMP MODIFICATION KIT (includes the following parts)	9103-5297	Ref	PUMP MODIFICATION KIT (includes the following parts)
9103-3477	1	TUBE ASSY	9103-3532	1	TUBE ASSY
9103-3534	1	ELBOW, 45 DEGREES	9103-3049	1	TUBE ASSY
8367-3079	1	SUCTION HOSE, 2"	9103-3125	1	SUCTION HOSE, 2"

Item	Part No.	Qty.	Description Of Part
*	9103-5295	1	PUMP MODIFICATION KIT (for mach. with 43-1/4" spacing)(see illustration)
*	9103-5296	1	PUMP MODIFICATION KIT (for mach. with 38-1/2" or 40" spacing)(see illust.)
*	9103-5297	1	PUMP MODIFICATION KIT (for mach. with 37" spacing)(see illustration)
1	9103-5023	1	OIL TANK (includes items 2, 4, 5, 8, & 9)
2	9040-3419	1	STANDPIPE
3	9020-7599	1	**HIGH PRESSURE HOSE
4	9020-5222	1	DIPSTICK/FILLER (includes cap, screen, gaskets & hardware)
5	9020-5776	1	ADAPTER (tank to low pressure line)
6	9020-7365	1	LOW PRESSURE HOSE
7	9002-8482	4	HOSE CLAMP
8	8871-1255	1	SQ. HD PIPE PLUG, 1"
9	9020-7686	1	OIL FILTER SCREEN
10	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE
11	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE
12	9002-6632	1	TUBE ASSY
13	8471-1342	2	FLANGE CLAMP
14	8820-1067	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5
15	9020-7688	1	TUBE ASSY
16	9002-3223	1	O-RING
17	9020-7687	1	LOW PRESSURE HOSE
18	9020-7615	1	MAIN HYDRAULIC PUMP (NO LONGER AVAILABLE, SEE BELOW)
	9103-3226	1	MAIN HYDRAULIC PUMP (ORDER CORRECT MODIFICATION KIT TO INSTALL)(Items in kit will be used in place of items 12 thru 17)
19	8859-1019	2	O-RING
20	8471-1369	4	FLANGE CLAMP

Item	Part No.	Qty.	Description Of Part
21	8820-1036	8	HEX HD CAPSCREW, 3/8-16X1-1/4, GR5
22	9002-2045	3	**HIGH PRESSURE HOSE
23	9020-7689	1	TUBE ASSY
24	9020-7691	1	TUBE ASSY
25	8870-1002	2	CLOSE NIPPLE, 1/4X7/8
26	9020-7330	2	CAP
27	9020-7329	2	QUICK DISCONNECT (aeroquip)
28	9002-7266	1	PLUG
29	9020-7692	1	TUBE ASSY
30	9103-3168	1	MAIN HYD CONTROL VALVE
31	8866-2070	1	ELBOW, 90 DEGREES (includes o-ring)
	8859-1210	1	O-RING
32	9020-7694	1	HIGH PRESSURE HOSE
33	9020-7491	1	HIGH PRESSURE HOSE
34	8866-2064	2	ELBOW, 90 DEGREES (includes o-ring)
	8859-1204	2	O-RING
35	9020-6748	2	HYDRAULIC DRIVE MOTOR
36	8471-7586	1	HIGH PRESSURE HOSE
37	8471-7587	1	HIGH PRESSURE HOSE
38	8866-1306	1	UNION TEE, 1/2 TUBE
39	9020-7765	1	HIGH PRESSURE HOSE
40	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
41	9020-7363	1	TUBE ASSY
42	9002-9915	3	STRAIGHT CONNECTOR
43	9020-6739	4	SOLENOID VALVE
44	8866-2239	2	SWIVEL NUT RUN TEE, 1/2 TUBE
45	9020-7712	1	TUBE ASSY
46	9103-3032	2	MINI-CHECK (stauff)
47	8820-1067	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5
48	9103-3178	1	SUCTION TUBE & FLANGE
49	9002-8225	1	O-RING

SERVICE NOTE:

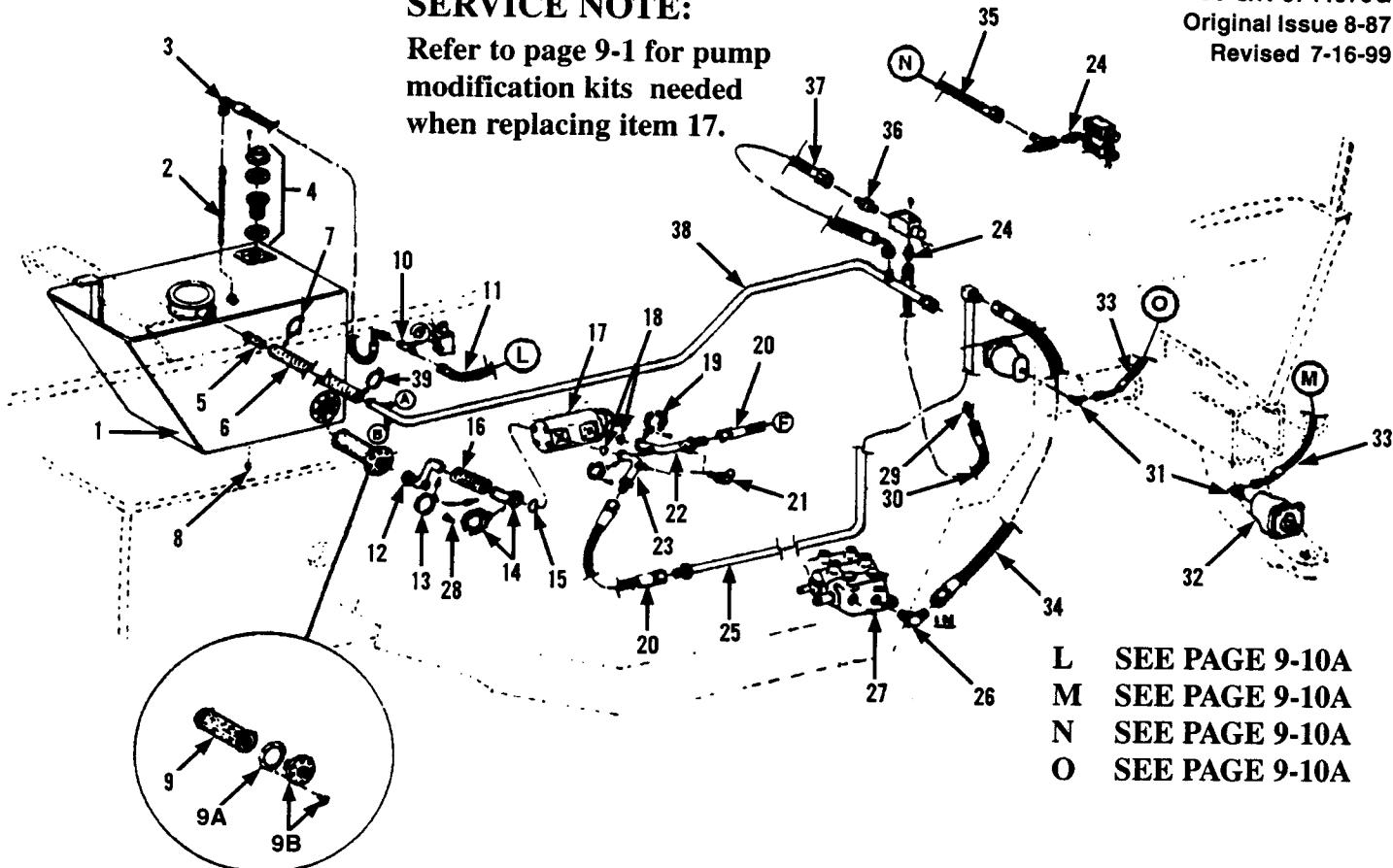
Refer to page 9-1 for pump modification kits needed when replacing item 19.



- A - see page 9-10 & 9-10A
- B - see page 9-2 & 9-2A
- D - see page 9-10A
- E - see page 9-10A
- F - see page 9-2 & 9-2A
- G - see page 9-10 & 9-10A
- 4 - see page 9-2 & 9-2A
- 7 - see page 9-2 & 9-2A

SERVICE NOTE:

Refer to page 9-1 for pump modification kits needed when replacing item 17.



L SEE PAGE 9-10A
M SEE PAGE 9-10A
N SEE PAGE 9-10A
O SEE PAGE 9-10A

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-6002	1	HYDRAULIC OIL TANK	18	8859-1207	2	O-RING
2	9040-3419	1	STANDPIPE	19	8471-1369	4	CLAMP
3	9020-7599	1	HIGH PRESSURE HOSE	20	9002-2045	3	HIGH PRESSURE HOSE
4	9020-5222	1	DIPSTICK/FILLER (includes cap, screen, gaskets & hardware)	21	9103-3032	2	MINI CHECK (stauff)
5	9020-5776	1	ADAPTER (tank to low pressure line)	22	9020-7689	1	TUBE ASSY
6	9020-7365	1	LOW PRESSURE HOSE	23	9020-7691	1	TUBE ASSY
7	9002-8482	2	HOSE CLAMP	24	9002-9915	2	CONNECTOR
8	8871-1255	1	SQ. HD PIPE PLUG, 1"	25	9103-3069	1	TUBE ASSY
9	9041-0295	1	SUCTION FILTER	26	9020-0481	2	CLAMP
9A	9041-0294	1	GASKET	27	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5
9B	9103-6003	1	FLANGE	28	8866-2070	1	ELBOW, 90 DEGREES (includes o-ring)
	8820-1035	8	HEX HD CAPSCREW, 3/8-16X1, GR5	29	8859-1210	1	O-RING
	8855-1011	8	LOCKWASHER, 3/8	30	9103-3168	1	MAIN CONTROL VALVE (see page 10-7 for details)
10	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE	31	8820-1067	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5
11	8471-7520	1	HOSE ASSY	32	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
12	9103-3257	1	ELBOW	33	9020-7491	1	HOSE ASSY
13	9002-8720	2	HOSE CLAMP	34	8866-2064	2	ELBOW, 90 DEGREES (includes o-ring)
14	9103-3049	1	TUBE ASSY	35	8859-1204	2	O-RING
	9103-1079	1	FLANGE (one piece)	36	9020-6748	2	DRIVE MOTOR (see page 10-16 for details)
15	9002-8225	1	O-RING	37	8471-7577	2	HOSE ASSY
16	9103-3125	1	LOW PRESSURE HOSE	38	9002-2045	1	HOSE ASSY
17	9020-7615	1	MAIN HYDRAULIC PUMP (NO LONGER AVAILABLE, SEE BELOW)	39	7713-3198	1	HOSE ASSY
	9103-3226	1	MAIN HYDRAULIC PUMP (ORDER CORRECT MODIFICATION KIT TO INSTALL)(see service note on page 9-1 S/N 8344001L for further instructions)		9002-9915	1	CONNECTOR
					7713-3447	1	HOSE ASSY
					9020-7363	1	TUBE ASSY
					9020-5793	1	CLAMP ASSY

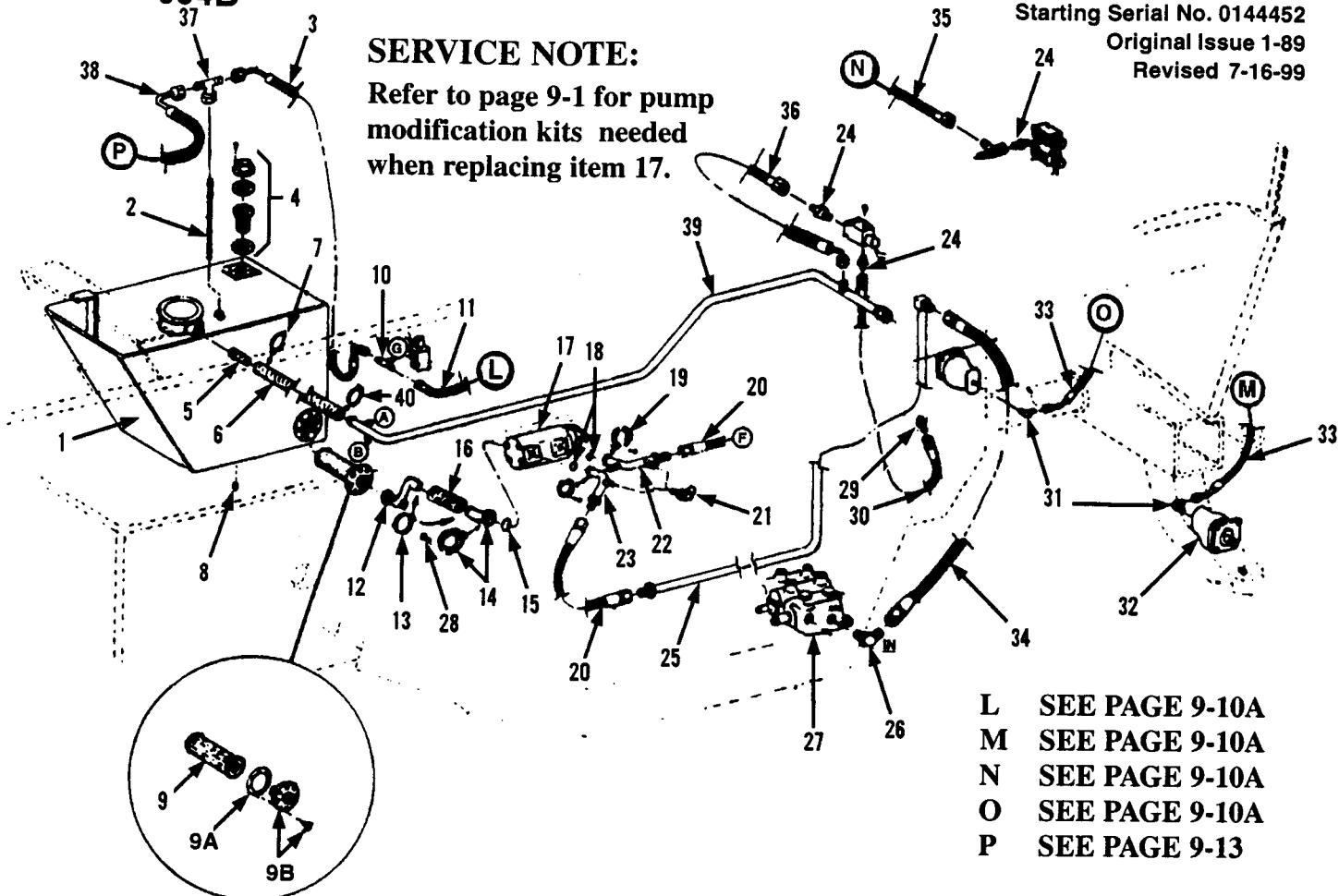
* Changed the page number from 9-1A to 9-1.

Item	Part No.	Qty.	Description Of Part
1	9103-6002	1	HYDRAULIC OIL TANK
2	9040-3419	1	STANDPIPE
3	9020-7599	1	HIGH PRESSURE HOSE
4	9020-5222	1	DIPSTICK/FILLER (includes cap, screen, gaskets & hardware)
5	9020-5776	1	ADAPTER (tank to low pressure line)
6	9020-7365	1	LOW PRESSURE HOSE
7	9002-8482	2	HOSE CLAMP
8	8871-1255	1	SQ. HD PIPE PLUG, 1"
9	9041-0295	1	SUCTION FILTER
9A	9041-0294	1	GASKET
9B	9103-6003	1	FLANGE
	8820-1035	8	HEX HD CAPSCREW, 3/8-16X1, GR5
	8855-1011	8	LOCKWASHER, 3/8
10	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE
11	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE
12	9041-0298	1	ELBOW
13	9002-8720	2	HOSE CLAMP
14	8820-1067	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5
	8855-1013	4	LOCKWASHER, 1/2
15	9103-1079	1	FLANGE (one piece)
16	9103-3125	1	LOW PRESSURE HOSE
17	9103-3049	1	TUBE LINE
18	9002-8225	1	O-RING
19	9020-7615	1	MAIN HYDRAULIC PUMP (NO LONGER AVAILABLE, SEE BELOW)
	7713-4059	1	GASKET
	9103-3226	1	MAIN HYDRAULIC PUMP (ORDER CORRECT MODIFICATION KIT TO INSTALL)(see service note on page 9-1 S/N 8344001L for further instructions)
20	8859-1207	2	O-RING

Item	Part No.	Qty.	Description Of Part
21	8471-1369	4	CLAMP
22	9002-2045	3	HIGH PRESSURE HOSE
23	9020-7689	1	TUBE ASSY
24	9020-7691	1	TUBE ASSY
25	9103-3032	2	MINI CHECK (stauff)
26	9103-3069	1	TUBE ASSY
	9020-0481	2	CLAMP
	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5
27	9103-3168	1	MAIN CONTROL VALVE
28	8866-2070	1	ELBOW, 90 DEGREES (includes o-ring)
	8859-1210	1	O-RING
29	9020-7491	1	HIGH PRESSURE HOSE
30	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
31	8866-2064	2	ELBOW, 90 DEGREES (includes o-ring)
	8859-1204	2	O-RING
32	9020-6748	2	DRIVE MOTOR
33	8471-7586	1	HIGH PRESSURE HOSE
34	8471-7587	1	HIGH PRESSURE HOSE
35	7713-3167	1	HOSE (Perkins engine only)
36	8688-3469	1	REDUCER (Perkins engine only)
37	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
38	8866-1306	1	UNION TEE, 1/2 TUBE
39	9020-7765	1	HIGH PRESSURE HOSE
40	9020-6739	3	SOLENOID VALVE
41	9002-9915	2	CONNECTOR
42	8866-2239	2	SWIVEL NUT RUN TEE, 1/2 TUBE
43	9020-7712	1	TUBE ASSY
44	7713-3342	1	HOSE ASSY
45	9020-7694	1	HIGH PRESSURE HOSE
46	9020-7363	1	TUBE ASSY
46A	9020-5793	2	CLAMP ASSY
47	8871-1282	1	HEX SOCKET PIPE PLUG, 3/8
48	9103-3178	1	TUBE ASSY(S/N 8344001L-8444288G)
	9103-3177	1	TUBE ASSY(S/N 8444289G-8444491G)

SERVICE NOTE:

Refer to page 9-1 for pump modification kits needed when replacing item 17.



L SEE PAGE 9-10A

M SEE PAGE 9-10A

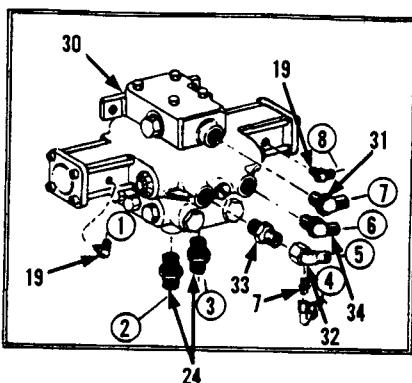
N SEE PAGE 9-10A

O SEE PAGE 9-10A

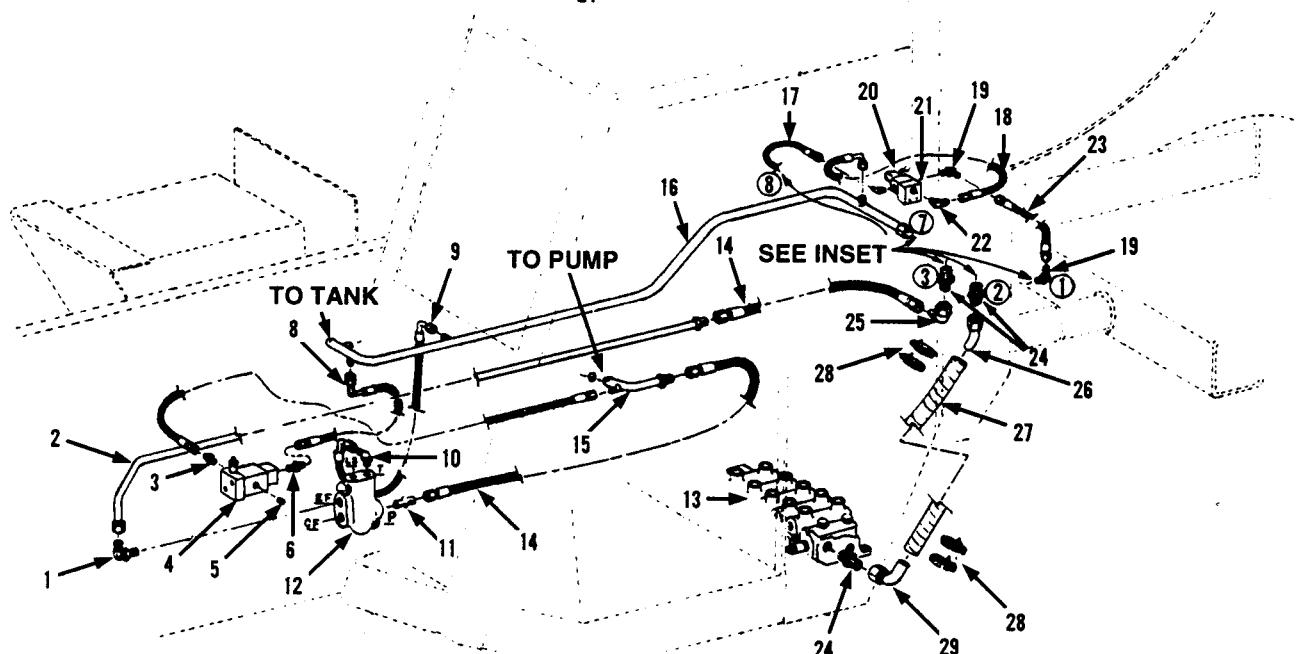
P SEE PAGE 9-13

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-6002	1	HYDRAULIC OIL TANK	18	8859-1207	2	O-RING
2	9040-3419	1	STANDPIPE	19	8471-1369	4	CLAMP
3	9020-7599	1	HIGH PRESSURE HOSE	20	9002-2045	3	HIGH PRESSURE HOSE
4	9020-5222	1	DIPSTICK/FILLER (includes cap, screen, gaskets & hardware)	21	9103-3032	2	MINI CHECK (stauff)
5	9020-5776	1	ADAPTER (tank to low pressure line)	22	9020-7689	1	TUBE ASSY
6	9020-7365	1	LOW PRESSURE HOSE	23	9020-7691	1	TUBE ASSY
7	9002-8482	2	HOSE CLAMP	24	9002-9915	2	CONNECTOR
8	8871-1255	1	SQ. HD PIPE PLUG, 1"	25	9103-3069	1	TUBE ASSY
9	9041-0295	1	SUCTION FILTER	26	9020-0481	2	CLAMP
9A	9041-0294	1	GASKET	27	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5
9B	9103-6003	1	FLANGE	28	8866-2070	1	ELBOW, 90 DEGREES (includes o-ring)
	8820-1035	8	HEX HD CAPSCREW, 3/8-16X1, GR5	29	8859-1210	1	O-RING
	8855-1011	8	LOCKWASHER, 3/8	30	9103-3168	1	MAIN CONTROL VALVE (see page 10-7 for details)
10	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE	31	8820-1067	4	HEX HD CAPSCREW, 1/2-13X1-1/2, GR5
11	8471-7520	1	HOSE ASSY	32	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
12	9103-3257	1	ELBOW	33	9020-7491	1	HOSE ASSY
13	9002-8720	2	HOSE CLAMP	34	8866-2064	2	ELBOW, 90 DEGREES (includes o-ring)
14	9103-3049	1	TUBE ASSY	35	8859-1204	2	O-RING
	9103-1079	1	FLANGE (one piece)	36	9020-6748	2	DRIVE MOTOR (see page 10-16 for details)
15	9002-8225	1	O-RING	37	8471-7577	2	HOSE ASSY
16	9103-3125	1	LOW PRESSURE HOSE	38	9002-2045	1	HOSE ASSY
17	9020-7615	1	MAIN HYDRAULIC PUMP (NO LONGER AVAILABLE, SEE BELOW)	39	7713-3167	1	HOSE ASSY
	9103-3226	1	MAIN HYDRAULIC PUMP (ORDER CORRECT MODIFICATION KIT TO INSTALL)(see service note on page 9-1 S/N 8344001L for further instructions)	40	7713-3447	1	HOSE ASSY
				37	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/4 TUBE
JJ				38	8471-7842	1	HOSE ASSY
				39	9020-7363	1	TUBE ASSY
				40	9020-5793	1	CLAMP ASSY

* Changed the page number from 9-1A to 9-1

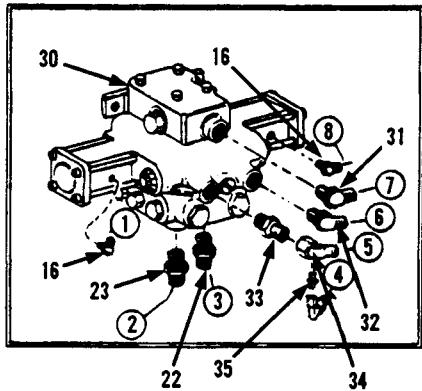


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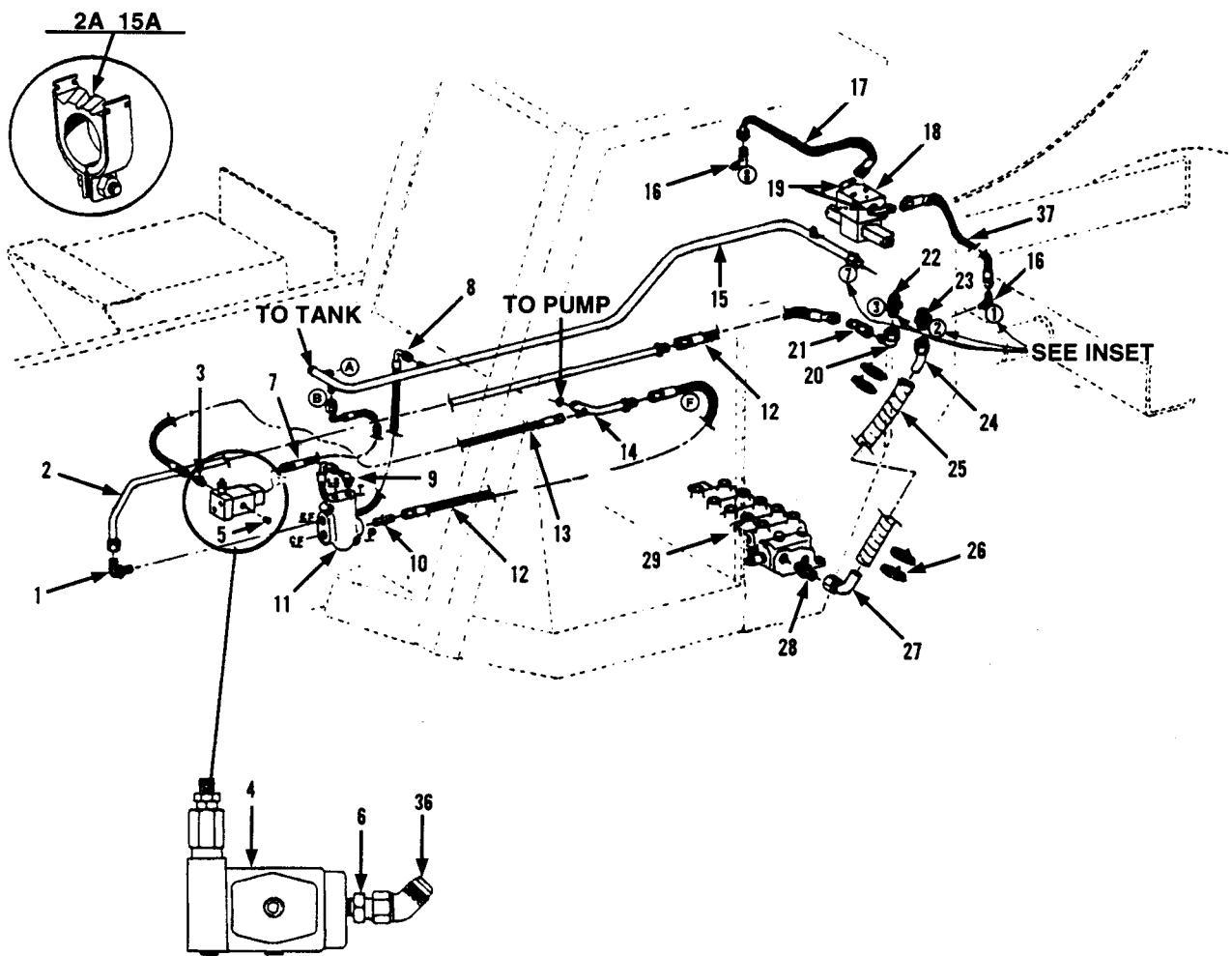


Item	Part No.	Qty.	Description Of Part
1	8866-2069	1	ELBOW - 90 DEGREE (includes o-ring)
	8859-1209	1	O-RING
2	9020-7690	1	TUBE ASSEMBLY
3	8874-3018	1	MALE ADAPTER, 3/8X5/8 TUBE
4	9020-7314	1	DRIVE CIRCUIT RELIEF VALVE
5	8871-1282	1	HEX SOCKET PIPE PLUG, 3/8
6	9002-7360	1	CONNECTOR
7	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
8	9020-7360	1	HIGH PRESSURE HOSE
9	9020-7411	1	HIGH PRESSURE HOSE
10	8366-1316	1	STRAIGHT CONNECTOR
11	8866-2010	1	CONNECTOR (includes o-ring)
	8859-1209	1	O-RING
12	9020-5585	1	LOAD SENSING PRIORITY FLOW CONTROL VALVE
13	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE
14	9002-2045	2	HIGH PRESSURE HOSE
15	9020-7689	1	TUBE ASSEMBLY
16	9020-7363	1	TUBE ASSEMBLY
17	9020-7695	1	HIGH PRESSURE HOSE
18	9020-7697	1	HIGH PRESSURE HOSE
19	8866-2064	3	ELBOW - 90 DEGREE (includes o-ring)
	8859-1204	3	O-RING

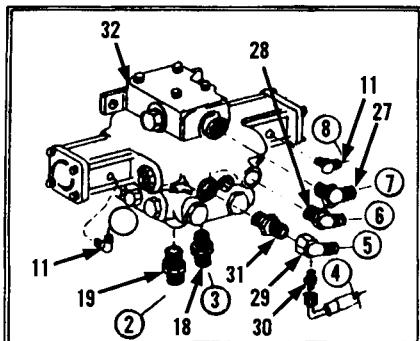
Item	Part No.	Qty.	Description Of Part
20	9020-7755	1	CONTROL VALVE
21	9060-2895	1	ADAPTER BLOCK
22	9002-6687	1	ELBOW - 90 DEGREE ADJUSTABLE
23	9020-7696	1	HIGH PRESSURE HOSE
24	8866-2011	3	CONNECTOR (includes o-ring)
	8859-1210	3	O-RING
25	8866-2110	1	ELBOW 90 DEGREE (swivel nut)
26	9020-7299	1	TUBE ASSEMBLY (low pressure hose adapter)
27	9020-7362	1	LOW PRESSURE HOSE
28	9002-8482	4	HOSE CLAMP
29	9020-5783	1	TUBE ASEMBLY (low pressure hose adapter)
30	9020-6737	1	FOWARD - REVERSE VALVE
31	9004-1003	1	ELBOW - 90 DEGREE ADJUSTABLE
32	8866-2069	1	ELBOW - 90 DEGREE (includes o-ring)
	8859-1209	1	O-RING
33	8866-2010	1	CONNECTOR (includes o-ring)
	8859-1209	1	O-RING
34	9020-7567	1	ELBOW - 90 DEGREE SWIVEL



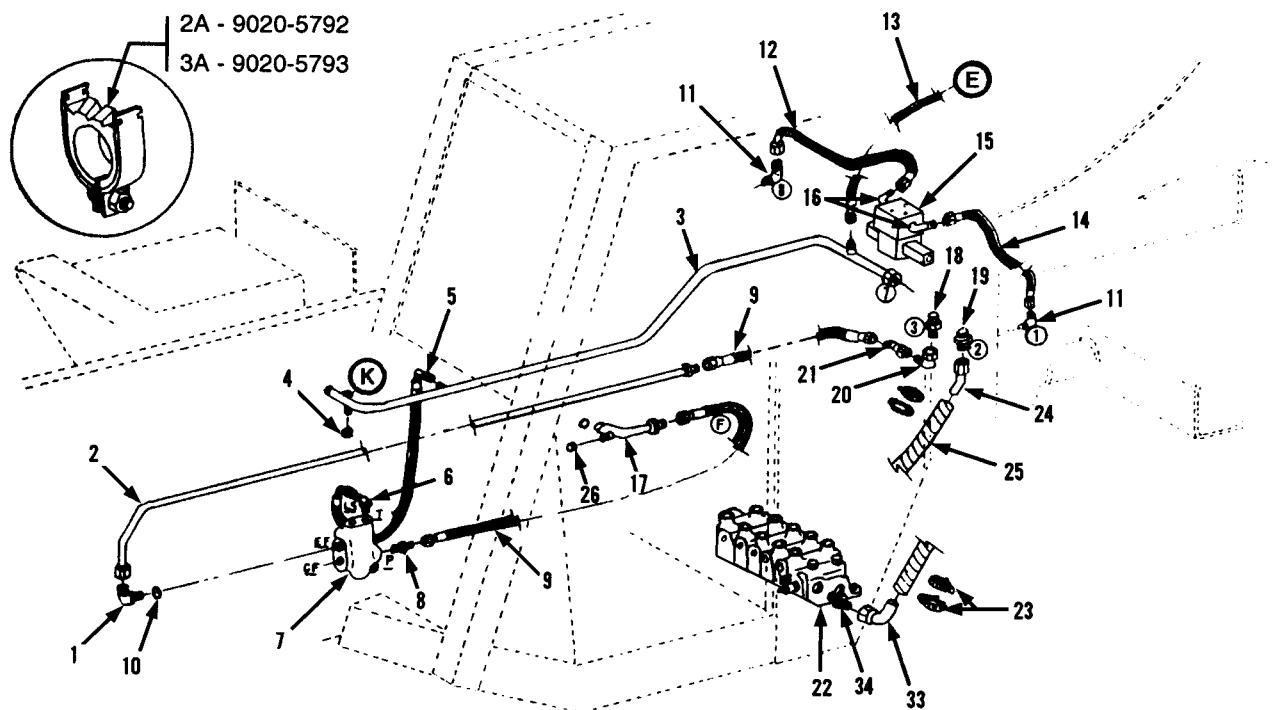
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Item	Part No.	Qty.	Description Of Part
1	8866-2069	1	ELBOW - 90 DEGREES (includes o-ring)
	8859-1209	1	O-RING
2	9020-7690	1	TUBE ASSEMBLY
2A	9020-5792	1	CLAMP ASSEMBLY
3	8874-3018	1	MALE ADAPTER, 3/8X5/8 TUBE
4	9020-7314	1	RELIEF VALVE (see page 10-12)
	8820-1020	2	HEX HD CAPSCREW, 5/16-18X1, GR5
5	8871-1282	1	HEX SOCKET PIPE PLUG, 3/8
6	8874-3003	1	MALE ADAPTER, 3/8X1/2 TUBE
7	9020-7360	1	HIGH PRESSURE HOSE
8	9020-7411	1	HIGH PRESSURE HOSE
9	8366-1316	1	STRAIGHT THREAD CONNECTOR
10	8866-2010	1	CONNECTOR (includes o-ring)
	8859-1209	1	O-RING
11	9020-5585	1	PRIORITY FLOW VALVE (see page 10-8)
	8820-1028	2	HEX HD CAPSCREW, 5/16-18X3, GR5
12	9002-2045	2	HIGH PRESSURE HOSE
13	9002-2043	1	HIGH PRESSURE HOSE
14	9020-7689	1	TUBE ASSEMBLY
15	9020-7363	1	TUBE ASSEMBLY
15A	9020-5793	2	CLAMP ASSEMBLY
16	8866-2064	2	ELBOW - 90 DEGREES (includes o-ring)
	8859-1204	2	O-RING
17	9002-7485	1	HIGH PRESSURE HOSE
18	9103-3097	1	DIRECTIONAL CONTROL VALVE
19	8866-2003	2	CONNECTOR (includes o-ring)
	8859-1202	2	O-RING
20	8866-2110	1	ELBOW - 90 DEGREE (swivel nut)
21	8866-2124	1	ELBOW - 45 DEGREE (swivel nut)
22	8866-2028	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
23	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
24	9020-5783	1	TUBE ASSEMBLY
25	9020-7362	1	LOW PRESSURE HOSE
26	9002-8482	4	HOSE CLAMP
27	9020-5783	1	TUBE ASSEMBLY
28	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
29	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE (see page 10-7)
30	9020-6737	1	FOWARD & REVERSE VALVE (see page 10-9)
	8820-1068	2	HEX HD CAPSCREW, GR5
	8820-1070	1	HEX HD CAPSCREW, GR5
	8850-1008	3	HEX NUT
31	9004-1003	1	ELBOW - 90 DEGREE
32	8866-2069	1	ELBOW - 90 DEGREE (includes o-ring)
	8859-1209	1	O-RING
33	8866-2010	1	CONNECTOR (includes o-ring)
	8859-1209	1	O-RING
34	9020-7567	1	ELBOW - 90 DEGREE
35	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
36	8866-2120	1	ELBOW - 45 DEGREE (swivel nut)
37	8471-7464	1	HOSE



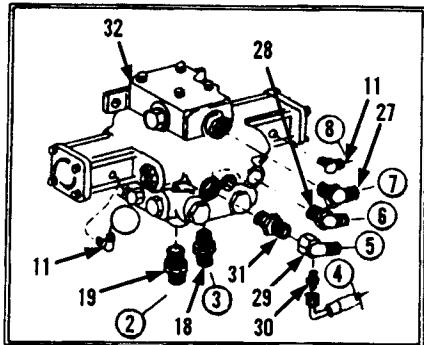
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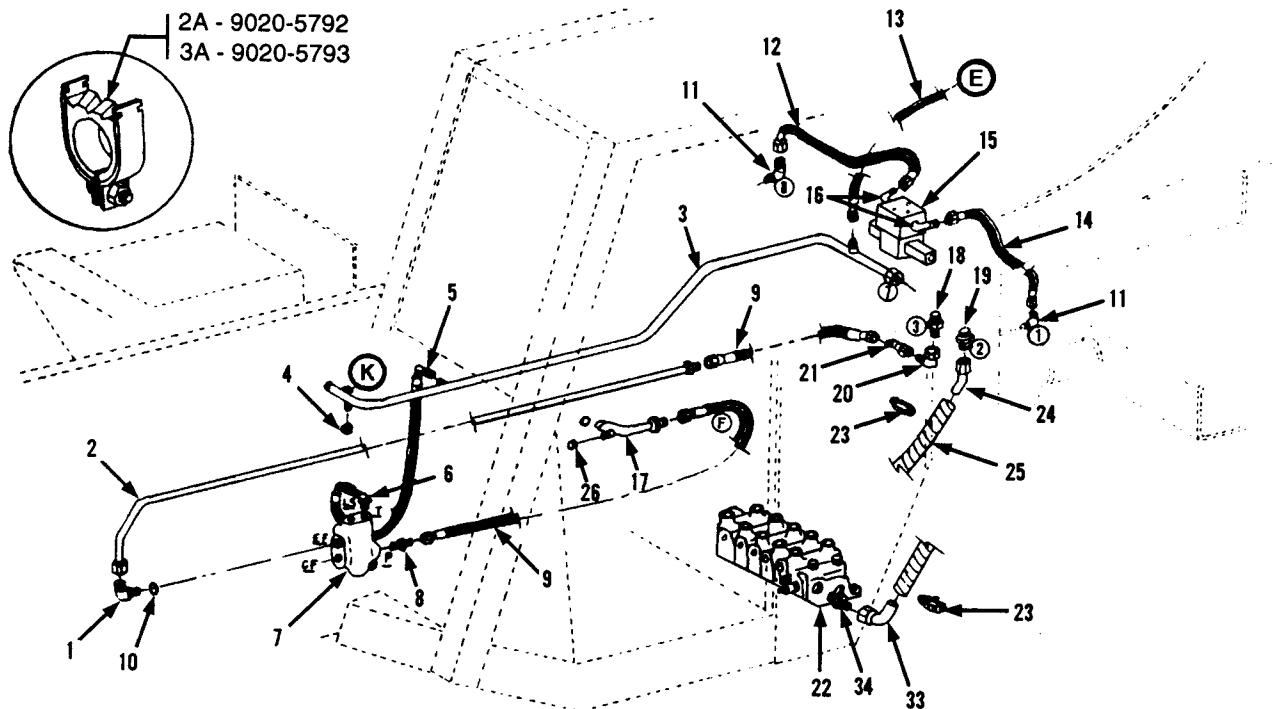
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Item	Part No.	Qty.	Description Of Part
1	8866-2069	1	ELBOW - 90 DEGREES (includes items 10)
2	9020-7690	1	TUBE ASSY
3	9103-3144	1	TUBE ASSY
4	8866-1365	1	HEX CAP, 1/2 TUBE
5	7713-3447	1	HIGH PRESSURE HOSE
6	8366-1316	1	STRAIGHT THREAD CONNECTOR
7	9103-3240	1	PRIORITY FLOW VALVE (see page 10-8 for details)
8	8866-1210	1	CONNECTOR (includes item 10)
9	9002-2045	2	HIGH PRESSURE HOSE
10	8859-1209	AR	O-RING
11	8866-2064	2	ELBOW - 90 DEGREES (includes o-ring)
	8859-1204	1	
12	9002-7485	1	HIGH PRESSURE HOSE
13	7713-3167	1	HOSE ASSY
14	8471-7464	1	HOSE ASSY
15	9103-3097	1	DIRECTIONAL CONTROL VALVE
16	8866-2003	2	CONNECTOR (includes o-ring)
	8859-1202	2	O-RING
17	9020-7689	1	TUBE ASSY
18	8866-2028	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
19	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
20	8866-2110	1	ELBOW - 90 DEGREES (swivel nut)
21	8866-2124	1	ELBOW - 45 DEGREES (swivel nut)
22	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE (see page 10-7)
23	9002-8482	4	HOSE CLAMP
24	9020-5783	1	TUBE ASSY
25	9020-7362	1	LOW PRESSURE HOSE
26	8866-1366	1	HEX CAP, 5/8 TUBE
27	9004-1003	1	ELBOW - 90 DEGREES
28	8866-2069	1	ELBOW - 90 DEGREES (includes item 10)
29	9020-7567	1	ELBOW - 90 DEGREES
30	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
31	8866-2010	1	CONNECTOR (includes item 10)
32	9020-6737	1	FORWARD/REVERSE VALVE (see page 10-9)
33	9020-5783	1	TUBE ASSY
34	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING



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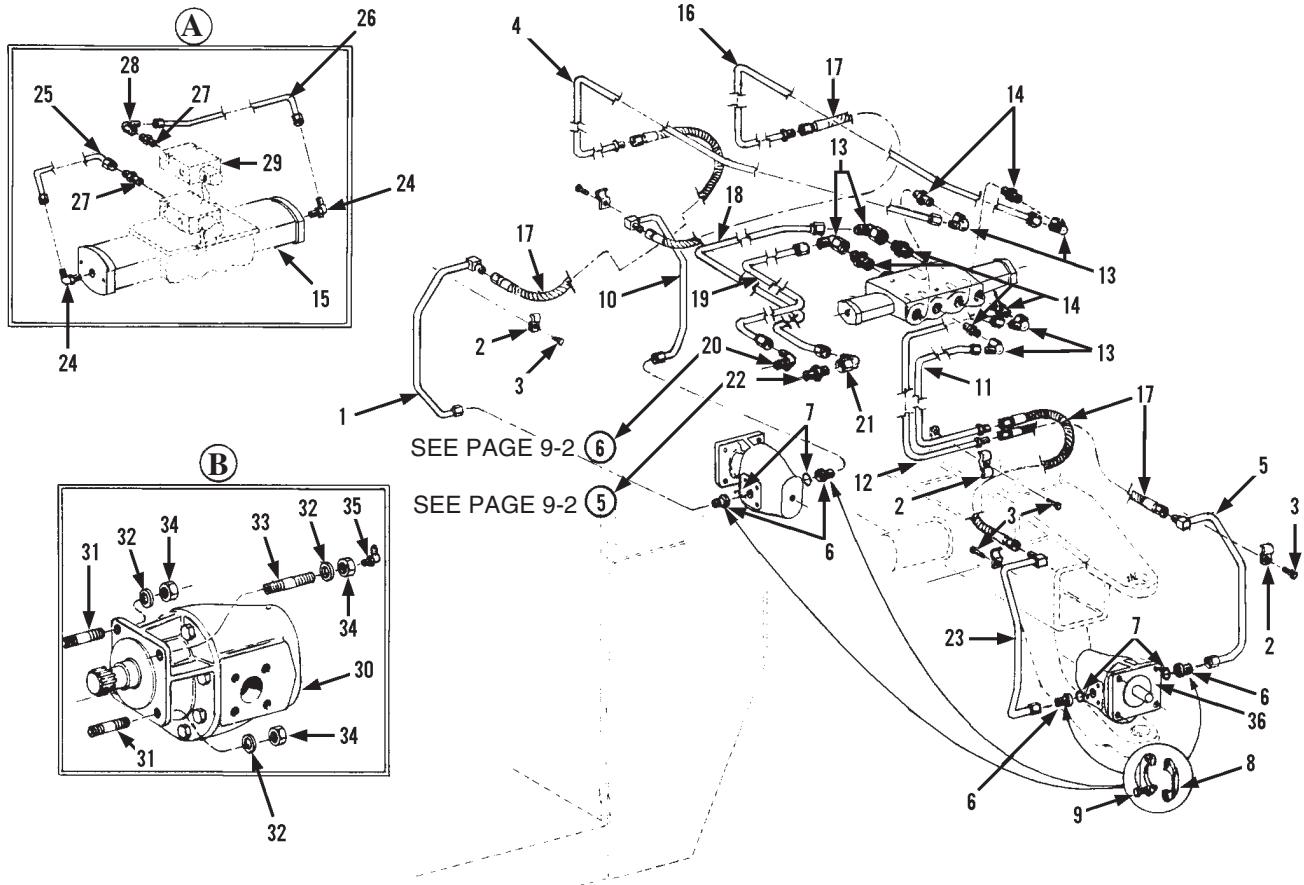
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(K) - SEE PAGE 9-10A

Item	Part No.	Qty.	Description Of Part
1	8866-2069	1	ELBOW - 90 DEGREES (includes items 10)
2	9020-7690	1	TUBE ASSY
3	9103-3144	1	TUBE ASSY
4	8866-1365	1	HEX CAP, 1/2 TUBE
5	7713-3447	1	HIGH PRESSURE HOSE
6	8366-1316	1	STRAIGHT THREAD CONNECTOR
7	9103-3240	1	PRIORITY FLOW VALVE (see page 10-8 for details)
8	8866-1210	1	CONNECTOR (includes item 10)
9	9002-2045	2	HIGH PRESSURE HOSE
10	8859-1209	AR	O-RING
11	8866-2064	2	ELBOW - 90 DEGREES (includes 8859-1204)
	8859-1204	1	o-ring)
12	9002-7485	1	HIGH PRESSURE HOSE
13	7713-3167	1	HOSE ASSY
14	8471-7464	1	HOSE ASSY
15	9103-3097	1	DIRECTIONAL CONTROL VALVE
16	8866-2003	2	CONNECTOR (includes o-ring)
	8859-1202	2	O-RING
17	9020-7689	1	TUBE ASSY
18	8866-2028	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
19	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING
20	8866-2110	1	ELBOW - 90 DEGREES (swivel nut)
21	8866-2124	1	ELBOW - 45 DEGREES (swivel nut)
22	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE (see page 10-7)
23	9002-8482	4	HOSE CLAMP
24	9020-5783	1	TUBE ASSY
25	9104-3153	1	LOW PRESSURE HOSE
26	8866-1366	1	HEX CAP, 5/8 TUBE
27	9004-1003	1	ELBOW - 90 DEGREES
28	8866-2069	1	ELBOW - 90 DEGREES (includes item 10)
29	9020-7567	1	ELBOW - 90 DEGREES
30	8874-3002	1	MALE ADAPTER, 1/4X3/8 TUBE
31	8866-2010	1	CONNECTOR (includes item 10)
32	9020-6737	1	FORWARD/REVERSE VALVE (see page 10-9)
33	9020-5783	1	TUBE ASSY
34	8866-2011	1	CONNECTOR (includes o-ring)
	8859-1210	1	O-RING

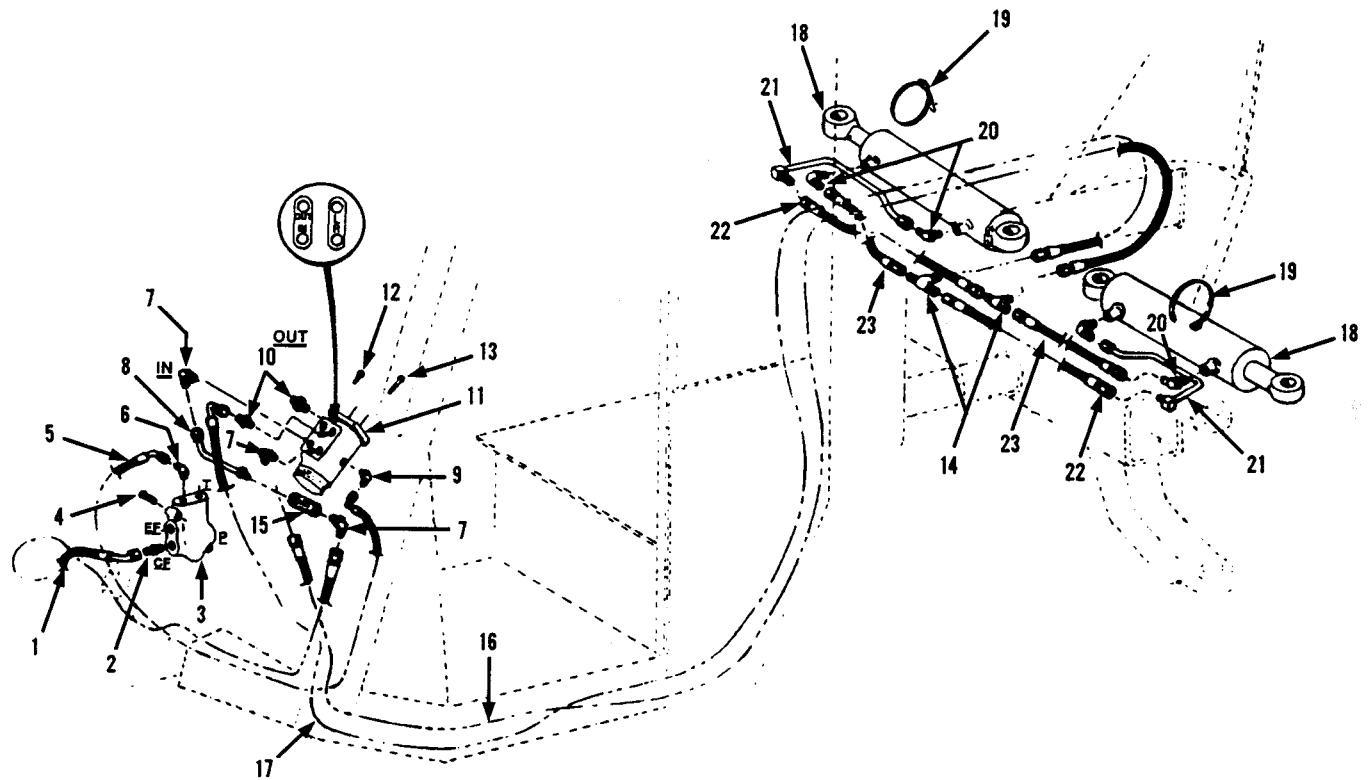
GRADALL®
MATERIAL HANDLER
534B

HYDRAULICS-REAR DRIVE
Starting Serial No. 8344001L
Revised 6-9-06



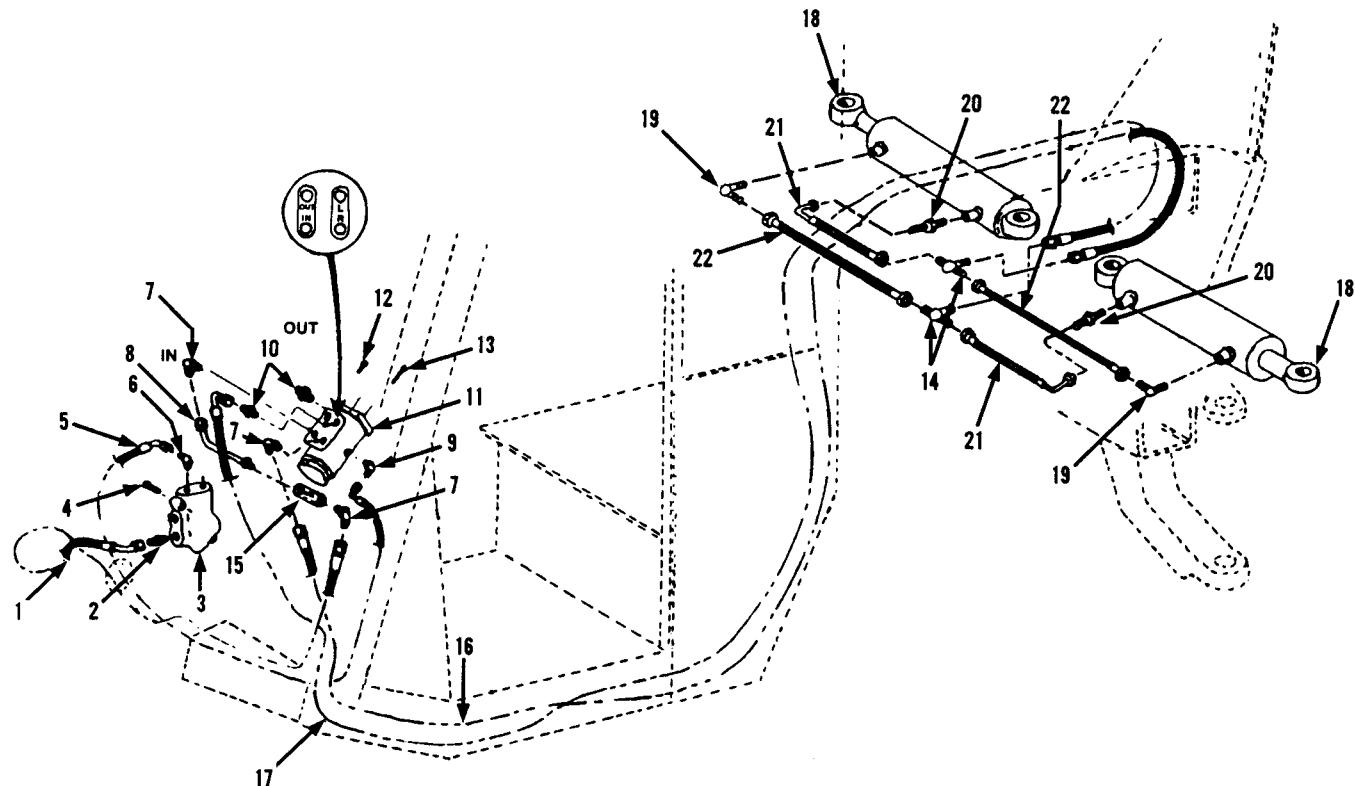
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part	
1	9020-7295	1	TUBE ASSY	18	9020-7377	1	TUBE ASSY	
	9104-3113	1	TUBE ASSY (starting S/N 8644031G)	19	9020-7370	1	TUBE ASSY	
2	9020-2343	5	TUBE CLAMP	20	8866-2069	1	ELBOW - 90 DEGREES (includes o-ring)	
3	8820-1036	5	HEX HD CAPSCREW, 3/8-16X1-1/4 GR5		8859-1209	1	O-RING	
	8850-1006	5	HEX NUT, 3/8-16	21	9020-7567	1	ELBOW - 90 DEGREES (swivel)	
4	9020-7371	1	TUBE ASSY	22	8866-2010	1	CONNECTOR (includes o-ring)	
	9104-3168	1	TUBE ASSY (starting S/N 8744115G)		8859-1209	1	O-RING	
5	9020-7297	1	TUBE ASSY	23	9020-7298	1	TUBE ASSY	
	9104-3115	1	TUBE ASSY (starting S/N 8644031G)		9104-3114	1	TUBE ASSY (starting S/N 8644031G)	
* 6	9020-7372	4	ADAPTER	24	8866-2064	2	ELBOW - 90 DEGREES (includes o-ring)	
7	9002-8225	4	O-RING		8859-1204	1	TUBE ASSY	
8	8471-1342	8	FLANGE HALF		25	9020-7667	1	TUBE ASSY
9	8820-1067	16	HEX HD CAPSCREW, 1/2-13X1-1/2 GR5		26	9020-7665	1	TUBE ASSY
10	9020-7296	1	TUBE ASSY		27	8866-1009	2	CONNECTOR (includes o-ring)
	9104-3116	1	TUBE ASSY (starting S/N 8644031G)		28	9002-9930	1	ELBOW - 90 DEGREES (swivel)
11	9020-7376	1	TUBE ASSY		29	9020-6739	2	SOLENOID VALVE (see page 10-11 for details)
12	9020-7375	1	TUBE ASSY		30	9020-6748	2	DRIVE MOTOR (see page 10-16 for details)
13	8362-1122	6	ELBOW - 90 DEGREES (swivel nut)		31	9020-2327	3	MOTOR MOUNT STUD
14	8866-2028	6	CONNECTOR (includes o-ring)		32	9020-3506	4	WASHER
	8859-1210	6	O-RING		33	9020-6750	1	HOLLOW STUD
15	9020-6738	1	SERIES PARALLEL VALVE (see page 10-10 for details)		34	8850-1008	4	HEX NUT, 1/2-13
16	9020-7373	1	TUBE ASSY		35	8867-1027	1	LUBE FITING - 45 DEGREES 1/4-28
17	9020-7290	4	HIGH PRESSURE HOSE (armored)		36	8568-1076	2	GASKET (drive motor to hub)

* Revised part number & description on item 6.



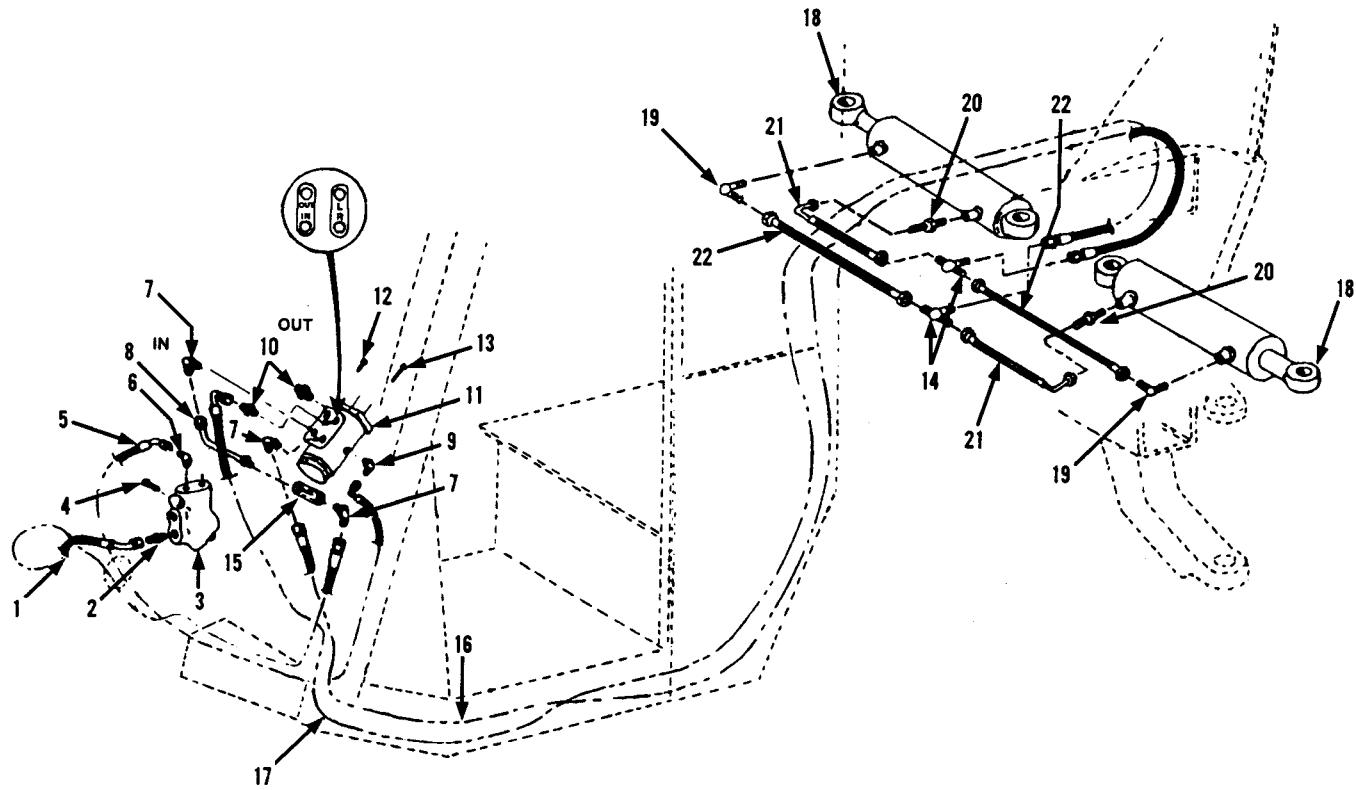
Item	Part No.	Qty.	Description Of Part
1	9020-7410	1	HIGH PRESSURE HOSE
2	8866-2007	1	CONNECTOR (includes o-ring)
3	8859-1206	1	O-RING
4	9020-5585	1	LOAD SENSING PRIORITY FLOW CONTROL VALVE
5	8820-1028	2	HEX HD ACPSCREW, 5/16-18X3 GR5
6	9020-5799	1	HIGH PRESSURE HOSE
7	8366-1316	1	CONNECTOR
8	8866-2065	3	ELBOW - 90 DEGREES (includes o-ring)
9	8859-1205	3	O-RING
10	9020-6003	1	TUBE ASSY
11	9002-8499	1	ELBOW - 90 DEGREES STRAIGHT
12	8866-2006	2	CONNECTOR (includes o-ring)
13	8859-1205	2	O-RING
14	9020-6762	1	STEERING ORBITOL
15	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4 GR5
16			STEERING COLUMN TO ORBITOL

Item	Part No.	Qty.	Description Of Part
13	8820-1037	2	HEX HD ACPSCREW, 3/8-16X1-1/2 GR5
14	9002-7913	2	ORBITOL TO INSTRUMENT PANEL STRAIGHT TEE
15	9020-2926	1	CHECK VALVE
16	9020-7369	1	HIGH PRESSURE HOSE
17	9020-7368	1	HIGH PRESSURE HOSE
18	9080-1313	2	STEERING CYLINDER
19	9002-7713	2	CLAMP
20	7713-1088	4	ELBOW - 90 DEGREES ADJUSTABLE
21	9060-1364	2	TUBE ASSY
22	9020-7301	2	HIGH PRESSURE HOSE
23	9020-5121	2	HIGH PRESSURE HOSE



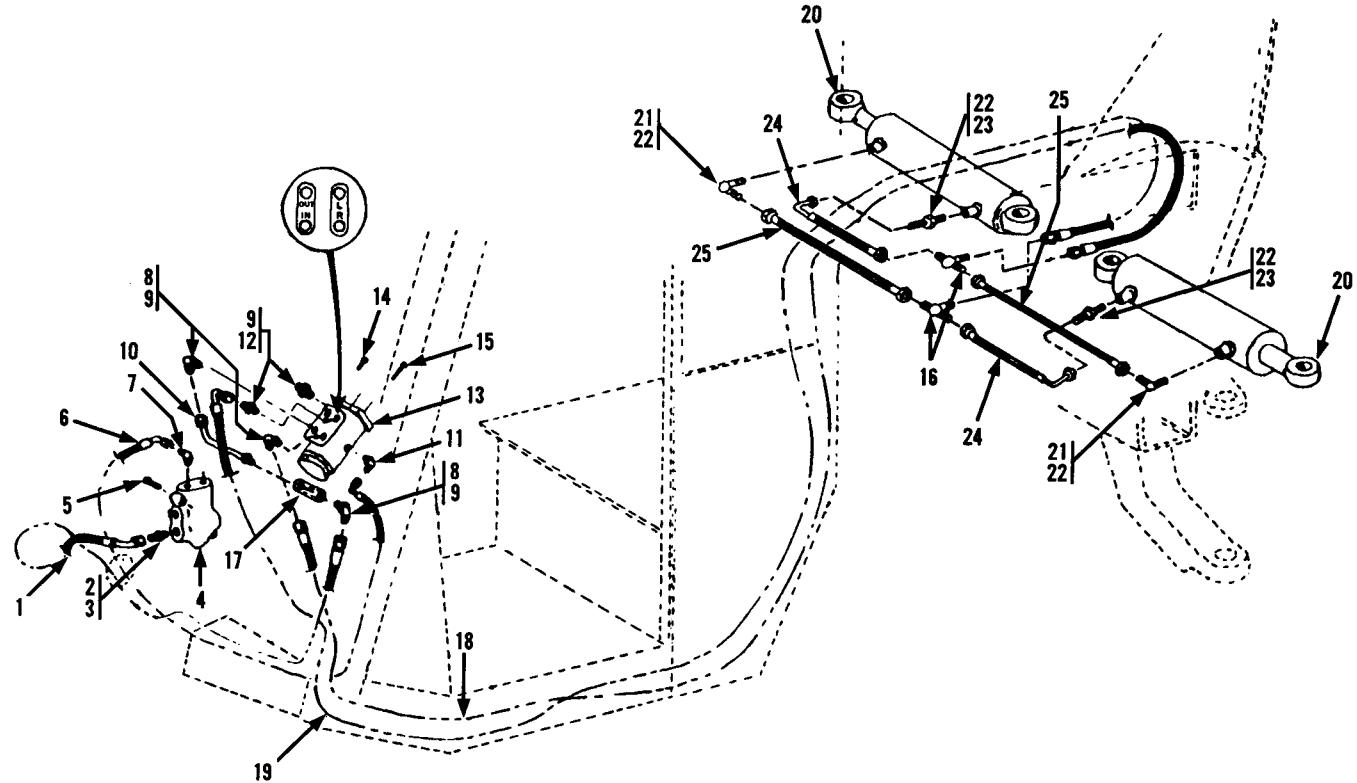
Item	Part No.	Qty.	Description Of Part
1	8471-7550	1	HOSE ASSY
2	8866-2007	1	CONNECTOR (includes o-ring)
3	8859-1206	1	O-RING
3	9103-3240	1	PRIORITY FLOW CONTROL VALVE (see page 10-8 for details)
4	8820-1028	2	HEX HD CAPSCREW, 5/16-18X3, GR5
5	8471-7547	1	HOSE ASSY
6	8366-1316	1	CONNECTOR
7	8866-2065	3	ELBOW - 90 DEGREES (includes o-ring)
	8859-1205	3	O-RING
8	9020-6003	1	TUBE ASSY
9	9002-8499	2	ELBOW - 90 DEGREES
10	8866-2006	2	CONNECTOR (includes o-ring)
11	9020-6762	1	STEERING ORBITROL
12	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4 GR5 (column to orbitrol)

Item	Part No.	Qty.	Description Of Part
13	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2 GR5 (orbitrol to instrument panel)
14	8866-1306	2	UNION TEE, 1/2 TUBE
15	9020-2926	1	CHECK VALVE
16	8471-7549	1	HOSE ASSY
17	8471-7548	1	HOSE ASSY
18	9080-1313	2	STEERING CYLINDER (see page 10-6 for details)
19	8866-2064	2	ELBOW - 90 DEGREES (includes o-ring)
	8859-1204	2	O-RING
20	8866-2005	2	CONNECTOR (includes o-ring)
	8859-1204	2	O-RING
21	8471-7546	2	HOSE ASSY
22	8471-7525	2	HOSE ASSY



Item	Part No.	Qty.	Description Of Part
1	8471-7550	1	HOSE ASSY
2	8866-2007	1	CONNECTOR (includes o-ring)
3	8859-1206	1	O-RING
4	9103-3240	1	PRIORITY FLOW CONTROL VALVE (see page 10-8 for details)
5	8820-1028	2	HEX HD CAPSCREW, 5/16-18X3, GR5
6	8471-7547	1	HOSE ASSY
7	8366-1316	1	CONNECTOR
8	8866-2065	3	ELBOW - 90 DEGREES (includes o-ring)
9	8859-1205	3	O-RING
10	9020-6003	1	TUBE ASSY
11	9002-8499	2	ELBOW - 90 DEGREES
12	8866-2006	2	CONNECTOR (includes o-ring)
13	9020-6762	1	STEERING ORBITROL
14	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4 GR5 (column to orbitrol)

Item	Part No.	Qty.	Description Of Part
13	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2 GR5 (orbitrol to instrument panel)
14	9002-7913	2	STRAIGHT TEE
15	9020-2926	1	CHECK VALVE
16	8471-7882	1	HIGH PRESSURE HOSE
17	8471-7548	1	HIGH PRESSURE HOSE
18	9080-1313	2	STEERING CYLINDER (see page 10-6 for details)
19	7713-1088	2	ELBOW - 90 DEGREES ADJUSTABLE
20	8866-2035	2	CONNECTOR (includes o-ring)
21	8859-1204	2	O-RING
22	8471-7546	1	HIGH PRESSURE HOSE
	8471-7553	1	HIGH PRESSURE HOSE

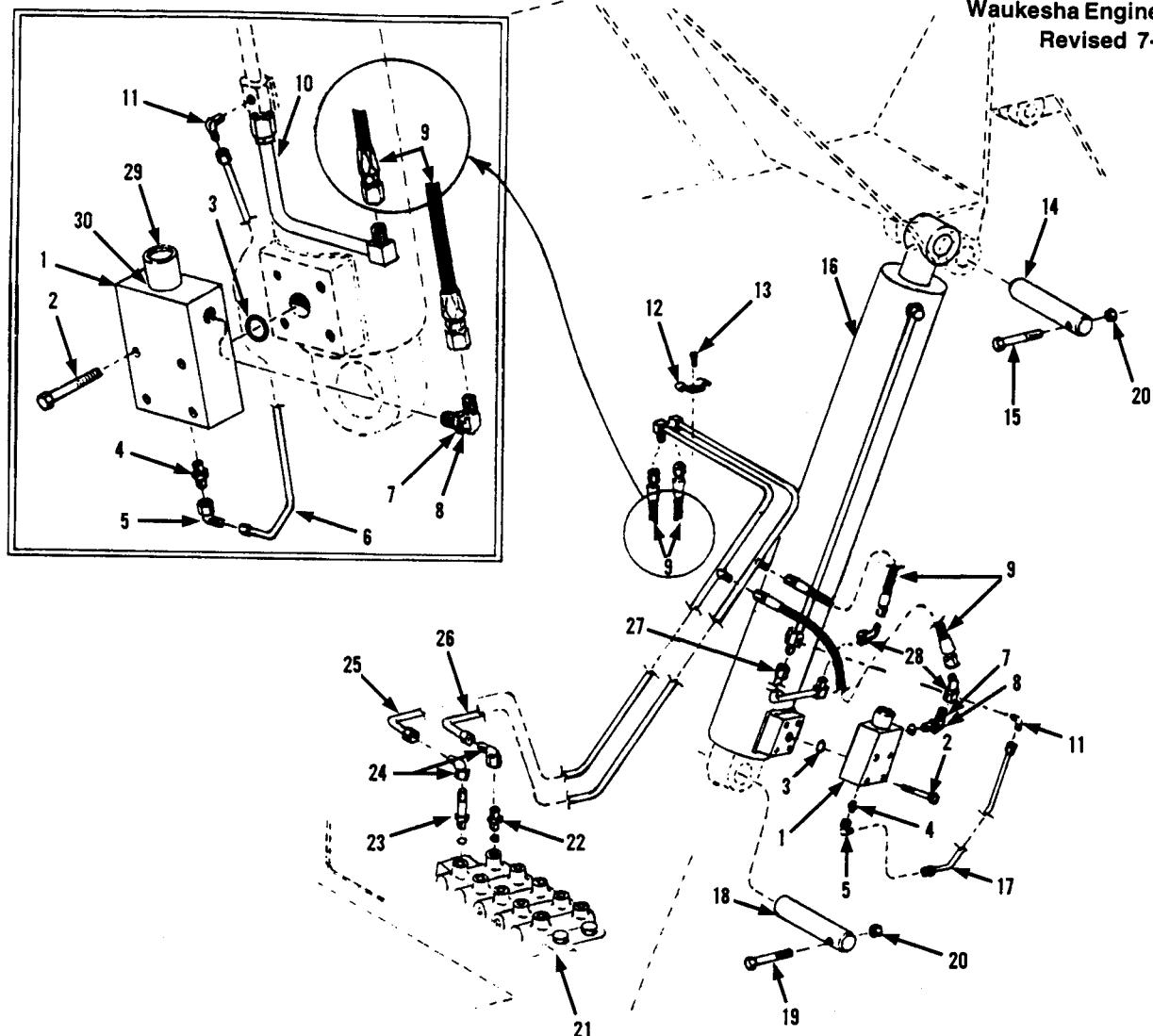


Item	Part No.	Qty.	Description Of Part
1	8471-7550	1	HOSEASSY
2	8866-2007	1	CONNECTOR, (includes item 3)
3	8859-1206	1	O-RING
4		Ref	LOAD SENSING FLOW CONTROL VALVE, (see page 10-8 for details)
5	8820-1028	2	HEX HD CAPSCREW, 5/16-18X3, GR5
6	8471-7547	1	HOSE ASSY
7	8366-1316	1	CONNECTOR
8	8866-2065	3	ELBOW, 90 DEGREES, (includes item 9)
9	8859-1205	5	O-RING
10	9020-6003	1	TUBE ASSY
11	9002-8499	2	ELBOW, 90 DEGREES, (straight)
12	8866-2006	2	CONNECTOR, (includes item 9)
13	9020-6762	1	STEERING ORBITROL
14	8820-1033	2	HEX HD CAPSCREW, 3/8-16X3/4, GR5, (column to orbitrol)

Item	Part No.	Qty.	Description Of Part
15	8820-1037	2	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5, (orbitrol to instrument panel)
16	8866-1306	2	UNION TEE, 1/2 TUBE
17	9020-2926	1	CHECK VALVE
18	8471-7882	1	HOSE ASSY
19	8471-7548	1	HOSE ASSY
20		Ref	STEERING CYLINDER, (see page 10-6 for details)
21	8866-2064	2	ELBOW, 90 DEGREES, (includes item 22)
22	8859-1204	4	O-RING
23	8866-2005	2	CONNECTOR, (includes item 22)
24	8471-7546	1	HOSE ASSY
25	8471-7525	1	HOSEASSY

GRADALL®
MATERIAL HANDLER
534B

HYDRAULICS-BOOM LIFT
Starting Serial No. 8344001L
Thru Serial No. 8444490
Waukesha Engine Only
Revised 7-16-99

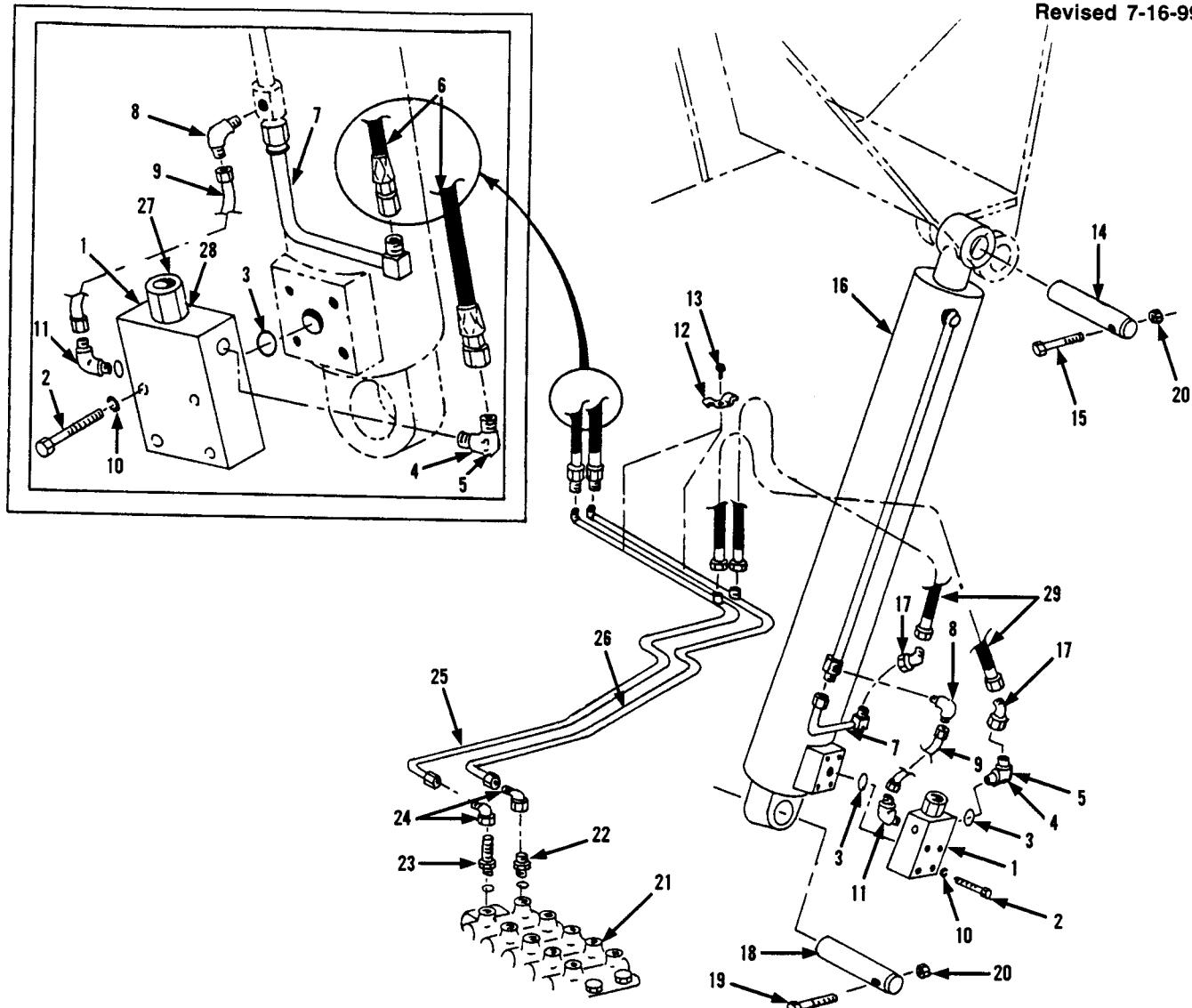


Item	Part No.	Qty.	Description Of Part
1	9020-5237	2	COUNTERBALANCE VALVE
	9103-4030	AR	SEAL KIT
2	8820-1071	8	HEX HD CAPSCREW, 1/2-13X2-1/2 GR5
3	8859-1102	2	O-RING (valve to cylinder)
4	8866-2017	2	CONNECTOR (includes o-ring)
5	8859-1204	2	O-RING
6	8866-2103	2	ELBOW - 90 DEGREES (swivel nut)
7	9020-7380	1	TUBE ASSY
8	9020-7379	2	ELBOW - 90 DEGREES ADJUSTABLE
9	9020-8215	2	ORIFICE ELBOW
10	9002-2043	4	HIGH PRESSURE HOSE
11	9020-7381	1	TUBE ASSY
12	8874-3041	2	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE
13	9020-0483	1	TUBE CLAMP
14	8820-1035	1	HEX HD CAPSCREW, 3/8-16X1, GR5
15	9020-6892	2	PIN (lift cyl rod end)
16	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4, GR5
			LIFT CYLINDER (see page 10-1 for details)

Item	Part No.	Qty.	Description Of Part
17	9020-7383	1	TUBE ASSY
18	9040-2875	2	PIN (lift cyl base end)
19	8820-1104	2	HEX HD CAPSCREW, 5/8-11X3-3/4 GR5
20	8850-1010	4	HEX NUT 5/8-11
21		1	MAIN HYDRAULIC CONTROL VALVE (see page 10-7 for details)
22	8866-2025	1	CONNECTOR (includes o-ring)
23	8859-1209	1	O-RING
24	8866-2038	1	CONNECTOR (includes o-ring)
25	8859-1207	1	O-RING
26	8866-2108	2	ELBOW - 90 DEGREES (swivel nut)
27	9020-7378	1	TUBE ASSY
28	9020-7382	1	TUBE ASSY
29	9020-7381	1	TUBE ASSY
30	8866-2121	2	ELBOW - 45 DEGREES (swivel nut)
	9020-5773	2	CARTRIDGE
	8859-1210	2	O-RING (cartridge to valve)

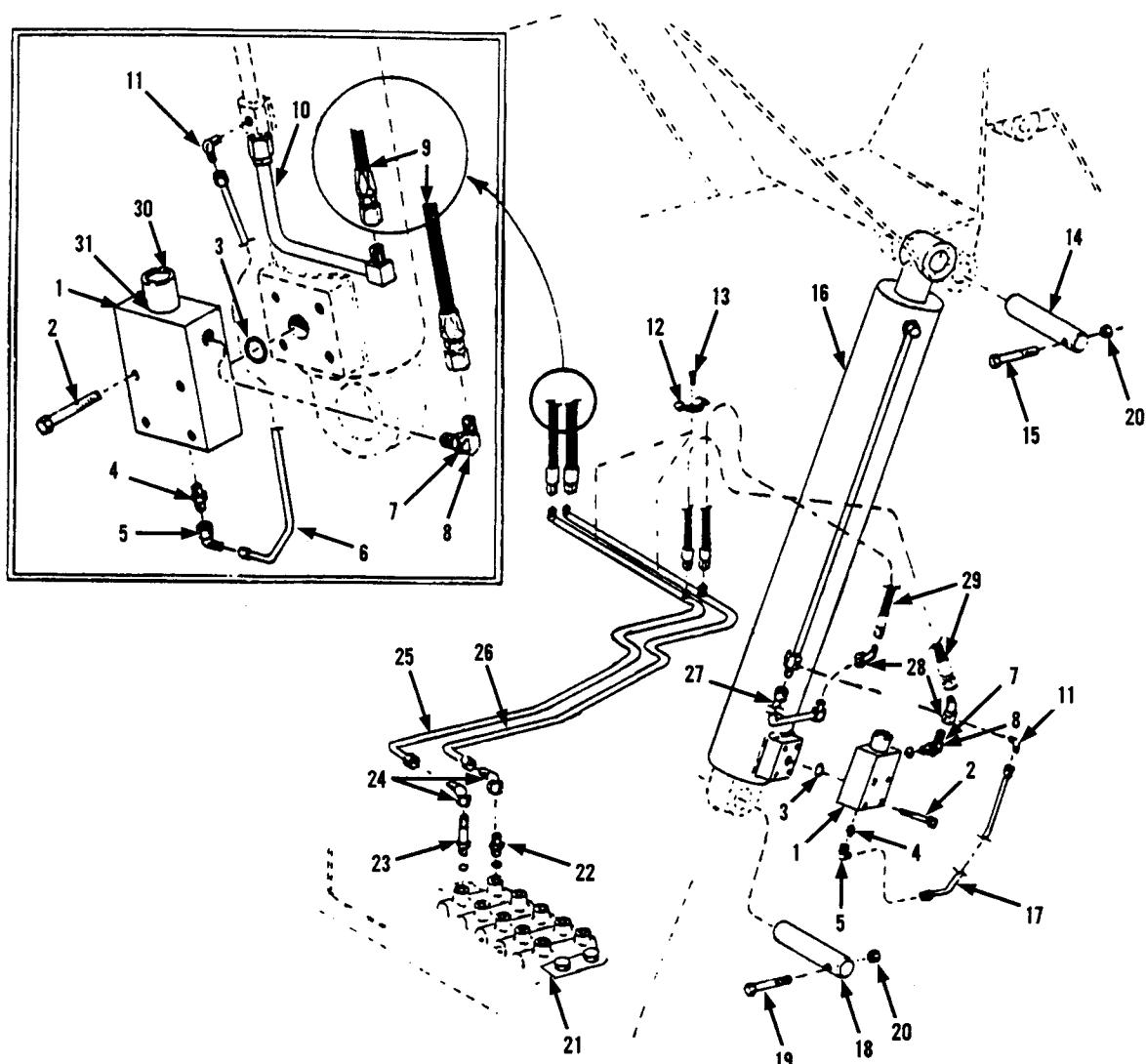
GRADALL®
MATERIAL HANDLER
534B

HYDRAULICS-BOOM LIFT
Starting Serial No. 0144637J
Original Issue 7-89
Revised 7-16-99



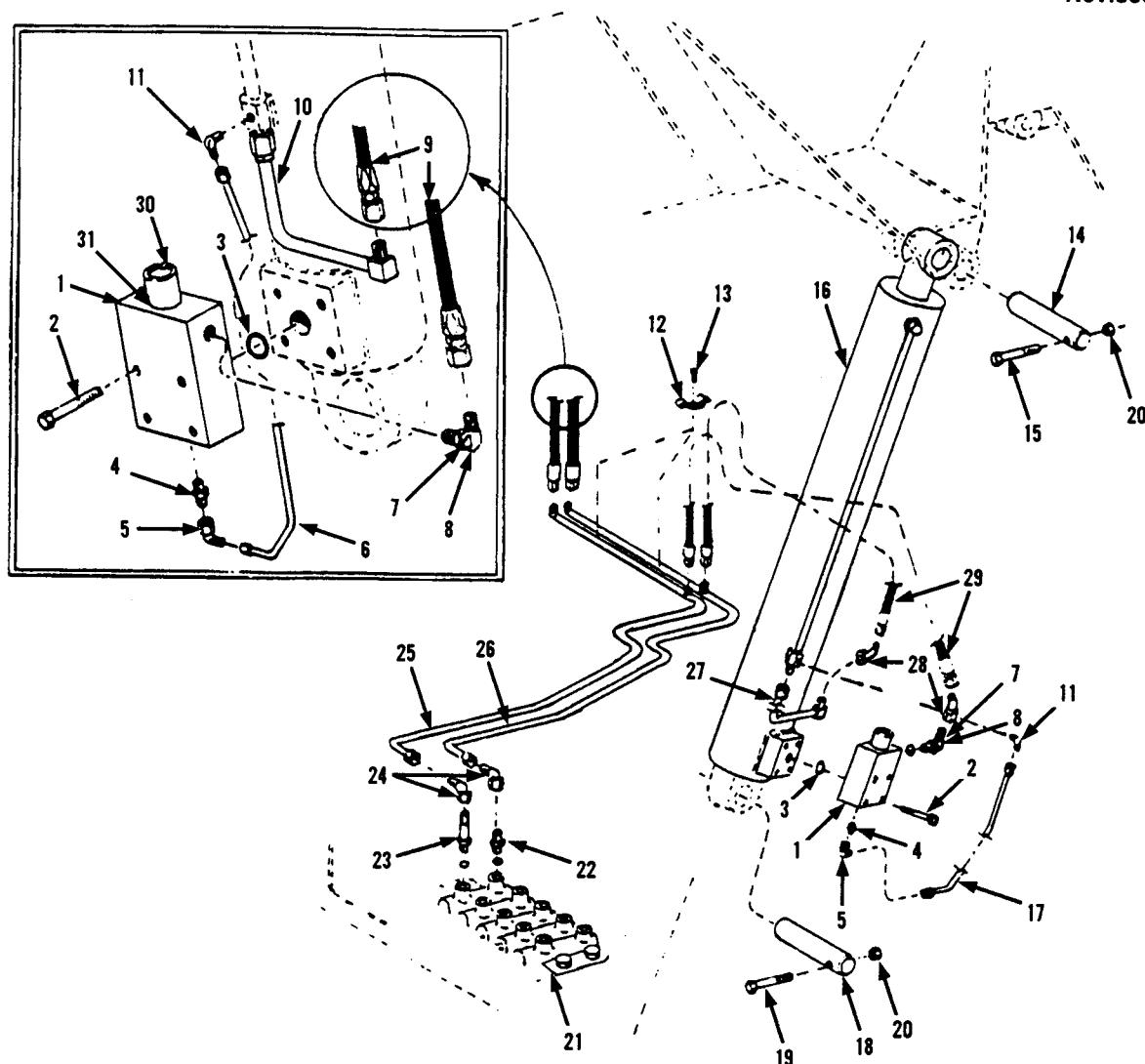
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9104-3232	2	COUNTERBALANCE VALVE (see page 10-26 for details)	17	8866-2121	2	ELBOW - 45 DEGREES (swivel nut)
2	8820-1071	8	HEX HD CAPSCREW, 1/2-13X2-1/2 GR5	18	9020-2875	2	PIN (lift cyl base end)
3	8859-1102	2	O-RING	19	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4, GR5
4	9020-7379	2	ELBOW -90 DEGREES ADJUSTABLE	20	8850-1010	4	HEX NUT, 5/8-11
5	9020-8215	2	ORIFICE ELBOW	21	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE (see page 10-1 for details)
6	8471-6448	2	HOSE ASSY	22	8866-2025	1	CONNECTOR (includes o-ring)
7	9020-7381	1	TUBE ASSY	23	8859-1209	1	O-RING
8	8874-3041	2	MALE ELBOW - 90 DEGREES, 1/8X1/4 TUBE	24	8866-2038	1	CONNECTOR (includes o-ring)
9	9104-3069	2	TUBE ASSY	25	8859-1207	1	O-RING
10	8855-1013	8	LOCKWASHER 1/2	26	8866-2121	2	ELBOW - 45 DEGREES (swivel nut)
11	8874-3041	2	MALE ELBOW - 90 DEGREES, 1/8X1/4 TUBE	27	9103-3124	1	TUBE ASSY
12	9020-0483	2	TUBE CLAMP	28	9103-3123	1	TUBE ASSY
13	8820-1035	2	HEX HD CAPSCREW, 3/8-16X1 GR5	29	9104-3245	2	CARTRIDGE
14	9020-6892	2	PIN (lift cyl rod end)		8859-1210	2	O-RING (cartridge to valve)
15	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4 GR5		8471-6015	2	HOSE ASSY
16	9103-3286	2	LIFT CYLINDER (see page 10-7)				

* Changed the page number from 9-5A to 9-5.

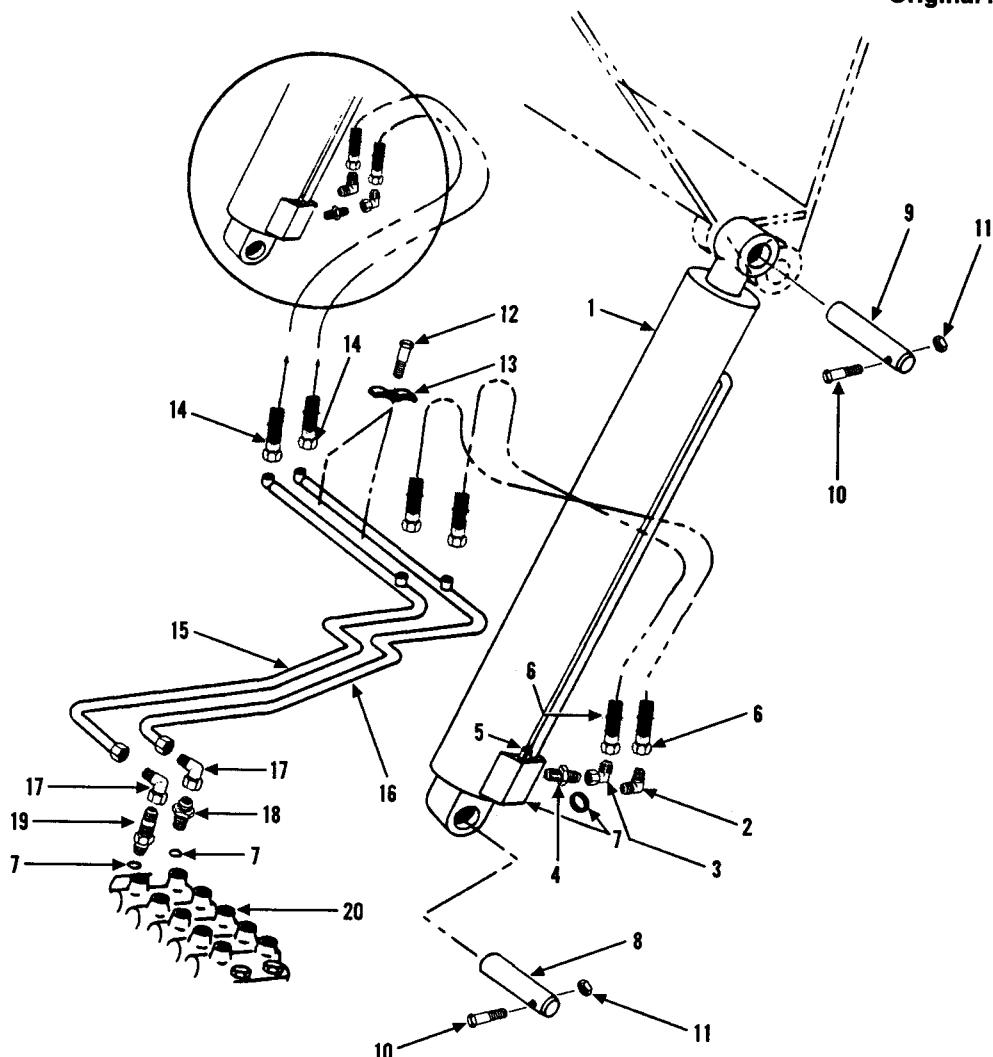


Item	Part No.	Qty.	Description Of Part
1	9020-5237	2	COUNTERBALANCE VALVE
	9103-4030	AR	SEAL
2	8820-1071	8	HEX HD CAPSCREW, 1/2-13X2-1/2 GR5
3	8859-1102	2	O-RING
4	8866-2017	2	CONNECTOR (includes o-ring)
	8859-1204	2	O-RING
5	8866-2103	2	ELBOW - 90 DEGREES (swivel nut)
6	9020-7380	1	TUBE ASSY
7	9020-7379	2	ELBOW - 90 DEGREE ADJUSTABLE
8	9020-8215	2	ORIFICE ELBOW
9	8471-6448	2	HOSE ASSY
10	9020-7381	1	TUBE ASSY
11	8874-3041	2	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE
12	9020-0483	2	TUBE CLAMP
13	8820-1035	2	HEX HD CAPSCREW, 3/8-16X1 GR5
	8850-1006	2	HEX NUT, 3/8-16
14	9020-6892	2	PIN (rod end)
15	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4 GR5

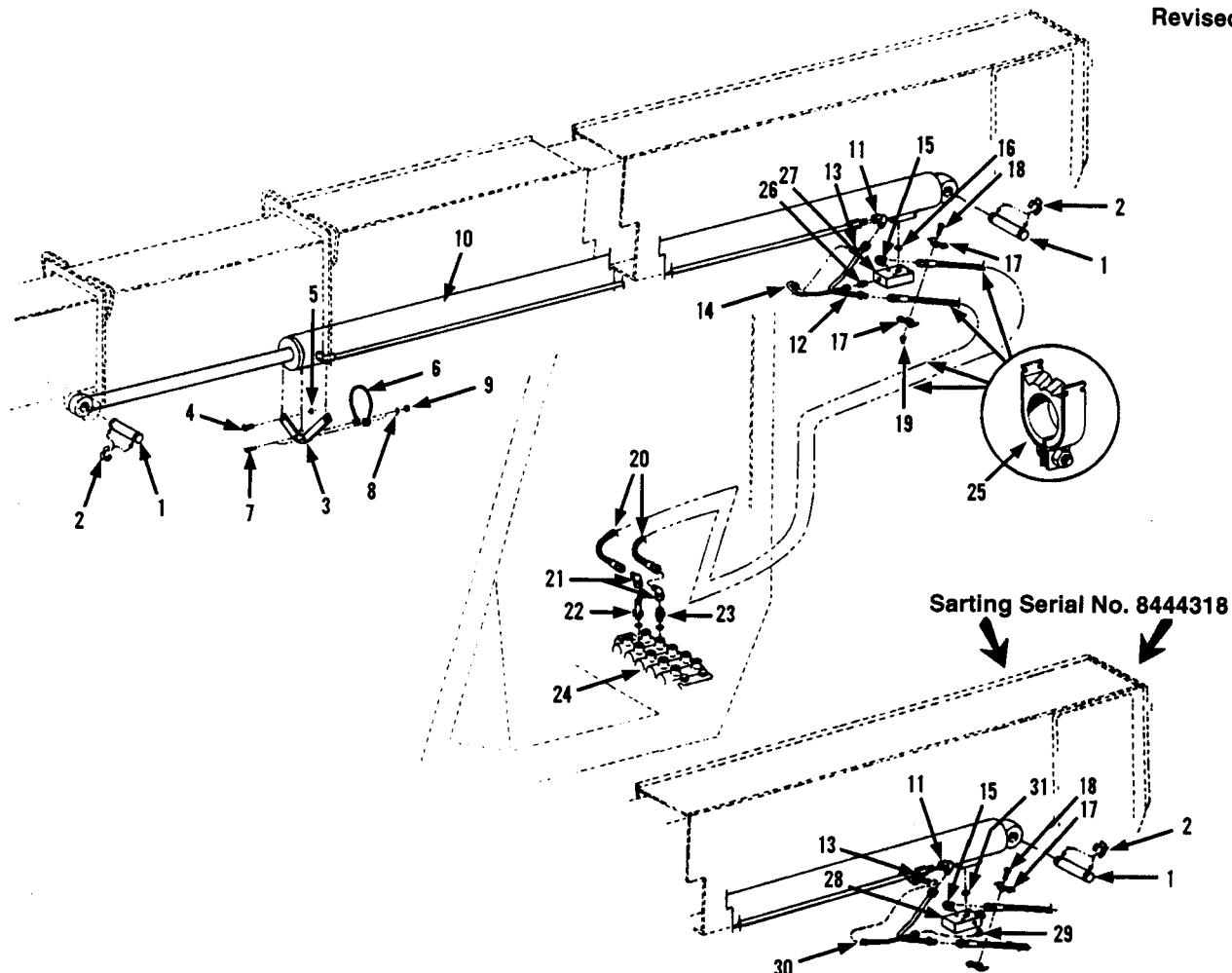
Item	Part No.	Qty.	Description Of Part
16	9080-1333	Ref	LIFT CYLINDER (see page 10-1)
17	9020-7383	1	TUBE ASSY
18	9040-2875	2	PIN (base end)
19	8820-1104	2	HEX HD CAPSCREW, 5/8-11X3-3/4 GR5
20	8850-1010	4	HEX NUT, 5/8-11
21	9103-3168	Ref	MAIN HYDRAULIC CONTROL VALVE (see page 10-7 for details)
22	8866-2025	1	CONNECTOR (includes o-ring)
	8859-1209	1	O-RING
23	8866-2038	1	CONNECTOR (includes o-ring)
	8859-1207	1	O-RING
24	8866-2108	2	ELBOW - 90 DEGREES (swivel nut)
25	9104-3096	1	TUBE ASSY
26	9104-3095	1	TUBE ASSY
27	9020-7381	1	TUBE ASSY
28	8866-2121	2	ELBOW - 45 DEGREES (swivel nut)
29	8471-7799	2	HOSE ASSY
30	9020-5773	2	CARTRIDGE
31	8859-1210	2	O-RING (cartridge to valve)



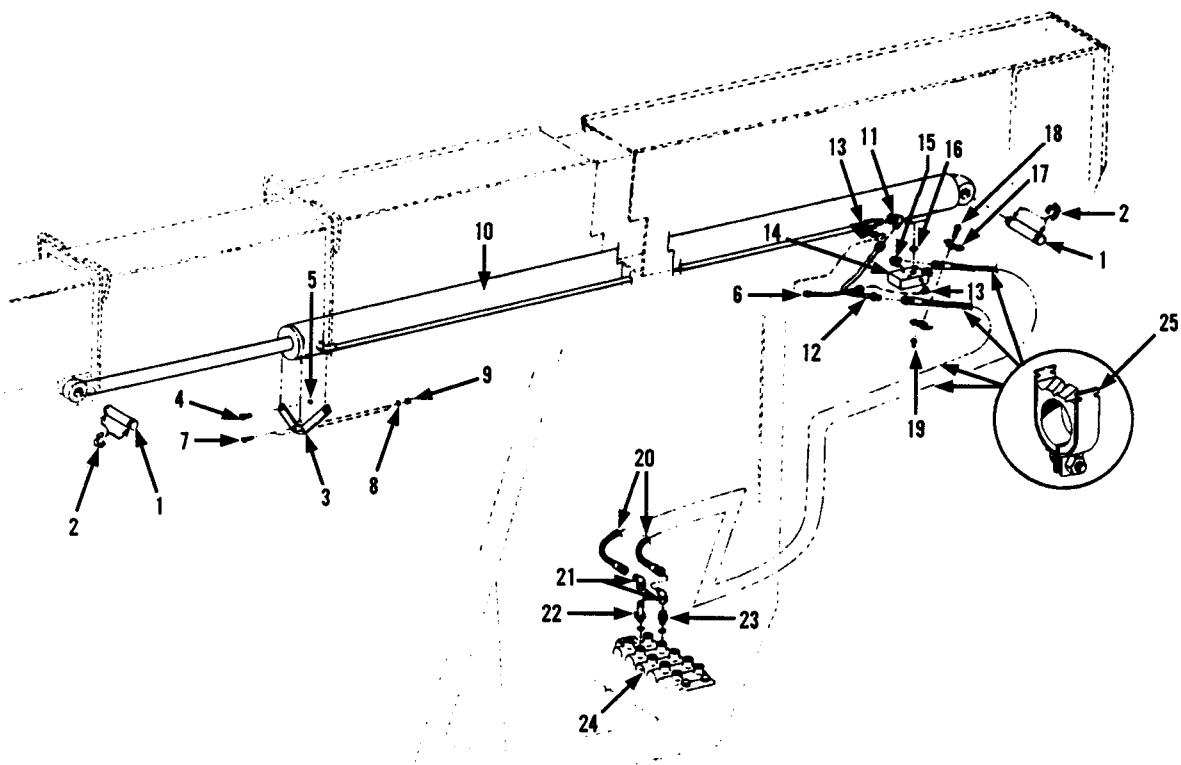
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-5237	2	COUNTERBALANCE VALVE	17	9020-7383	1	TUBE ASSY
	9103-4030	AR	SEAL KIT	18	9040-2875	2	PIN (lift cyl base end)
2	8820-1071	8	HEX HD CAPSCREW, 1/2-13x2-1/2 GR5	19	8820-1104	2	HEX HD CAPSCREW, 5/8-11X3-3/4 GR5
3	8859-1102	2	O-RING	20	8850-1010	4	HEX NUT, 5/8-11
4	8866-2017	2	CONNECTOR (includes o-ring)	21		1	MAIN HYDRAULIC CONTROL VALVE (see page 10-7 for details)
	8859-1204	2	O-RING	22	8866-2025	1	CONNECTOR (includes o-ring)
5	8866-2103	2	ELBOW - 90 DEGREES (swivel nut)	23	8859-1209	1	O-RING
6	9020-7380	1	TUBE ASSY	24	8866-2038	1	CONNECTOR (includes o-ring)
7	9020-7379	2	ELBOW - 90 DEGREE ADJUSTABLE	25	8859-1207	1	O-RING
8	9020-8215	2	ORIFICE ELBOW	26	8866-2108	2	ELBOW - 90 DEGREES (swivel nut)
9	8471-6448	2	HOSE ASSY	27	9103-3124	1	TUBE ASSY
10	9020-7381	1	TUBE ASSY	28	9103-3123	1	TUBE ASSY
11	8874-3041	2	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE	29	9020-7381	1	TUBE ASSY
12	9020-0483	2	TUBE CLAMP	30	8866-2121	2	ELBOW - 45 DEGREES (swivel nut)
13	8820-1035	2	HEX HD CAPSCREW, 3/8-16X1 GR5	31	8471-6015	2	HOSE ASSY
	8850-1006	2	HEX NUT, 3/8-16		9020-5773	2	CARTRIDGE
14	9020-6892	2	PIN (lift cyl rod end)		8859-1210	2	O-RING (cartridge to valve)
15	8820-1105	2	HEX HD CAPSCREW, 5/8-11X4 GR5				
16		2	LIFT CYLINDER (see page 10-1)				



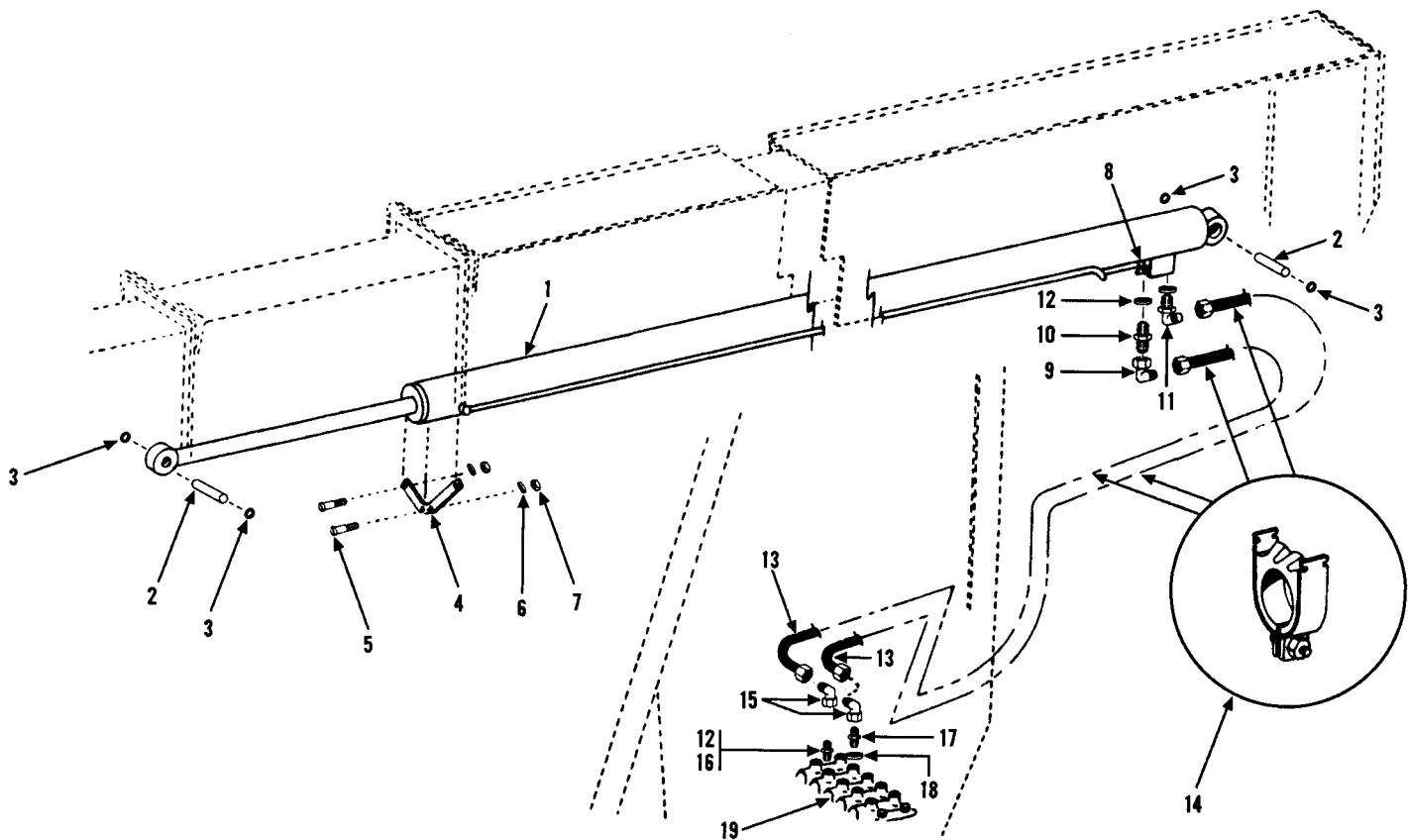
Item	Part No.	Qty.	Description Of Part
1		Ref	LIFT CYLINDER ASSY, (see page 10-1 for details)
2	8682-1248	2	ELBOW, 90 DEGREES, (includes item 7)
3	8866-2107	2	ELBOW, 90 DEGREES, (swivel nut)
4	8866-2022	2	CONNECTOR, (includes item 7)
5	9103-4308	1	COUNTERBALANCEVALVE
6	8471-7799	2	HOSE ASSY
7	8859-1207	6	O-RING
8	9040-2875	1	PIN
9	9020-6892	1	PIN
10	8320-1044	4	HEX HD CAPSCREW, 5/8-11X4, GR8
11	8850-1010	4	HEX NUT, 5/8-11
12	8820-1035	4	HEX HD CAPSCREW, 3/8-16X1, GR5
13	9020-0483	2	TUBE CLAMP
14	8471-6448	2	HOSE ASSY
15	9104-3096	1	TUBE ASSY
16	9104-3095	1	TUBE ASSY
17	8866-2108	2	ELBOW, 90 DEGREES, (swivel nut)
18	8866-2008	1	CONNECTOR, (includes item 7)
19	8866-2038	1	CONNECTOR, (includes item 7)
20		Ref	MAIN CONTROL VALVE ASSY, (see page 10-7 for details)



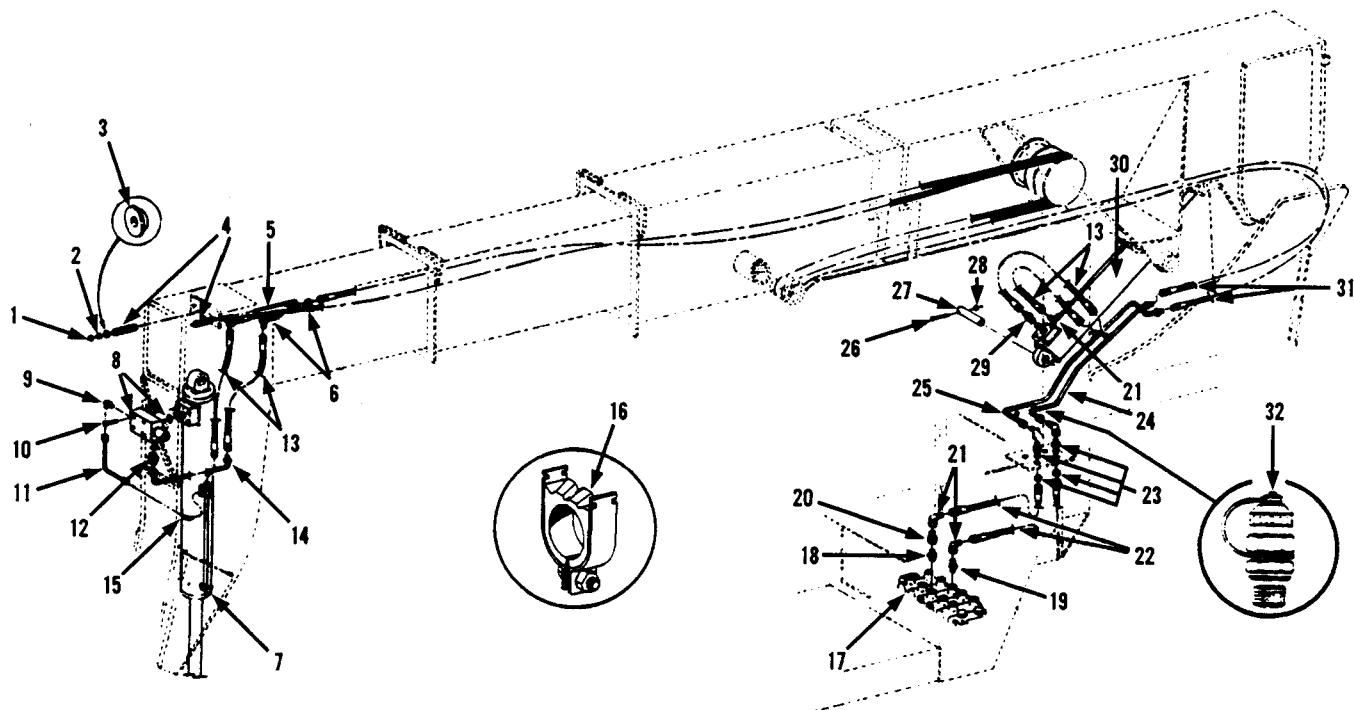
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part	
1	9020-7352	2	PIN	19	8850-1006	1	HEX NUT, 5/8-11	
2	9002-8935	2	RETAINING RING	20	8471-6039	2	HOSE ASSY	
3	9040-3212	1	CROWD CYLINDER SUPPORT	21	8866-2108	2	ELBOW - 90 DEGREES (swivel nut)	
4	8820-1067	2	HEX HD CAPSCREW, 1/2-13X1-1/2 GR5	22	8866-2038	1	CONNECTOR (includes o-ring)	
5	8850-1008	2	HEX NUT, 1/2-13	23	8859-1207	1	O-RING	
6	9020-7575	1	TIE DOWN CROWD	24	8866-2025	1	CONNECTOR (includes o-ring)	
7	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4 GR5	25	8859-1209	1	O-RING	
8	8856-1107	2	FLAT WASHER, 1/4	26	9020-5792	Ref	MAIN CONTROL VALVE (see page 10-7 for details)	
9	8850-1004	2	HEX NUT, 1/4-20	27	8866-2017	4	HOSE CLAMP	
10		Ref	CROWD CYLINDER (see page 10-2 for details)	28	8859-1204	1	CONNECTOR (includes o-ring)	
11	8874-3041	1	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE	29	9020-5237	1	O-RING	
12	9020-5825	1	TUBE ASSY	30	9103-4030	1	COUNTERBALANCE VALVE	
13	8866-2062	1	ELBOW - 90 DEGREES (includes o-ring)	31	8820-1073	AR	SEAL KIT	
	8859-1202	1	O-RING	27	9104-3232	4	HEX HD CAPSCREW, 1/2-13X3 GR5	
14	9020-5824	1	TUBE ASSY	28	9104-3245	1	COUNTERBALANCE VALVE	
15	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)	29	8820-1072	4	LOAD CONTROL VALVE	
	8859-1207	1	O-RING	30	8859-1202	1	HEX HD CAPSCREW, 1/2-13X2-3/4 GR5	
16	8859-1102	1	O-RING (valve to cylinder)	31	9103-3092	1	ELBOW - 90 DEGREES (includes o-ring)	
17	9020-0482	2	HOSE CLAMP		8859-1102	1	O-RING	
18	8820-1105	1	HEX HD CAPSCREW, 5/8-11X4 GR5		9103-3092	1	TUBE ASSY	
					31	8859-1102	1	O-RING (valve to cylinder)



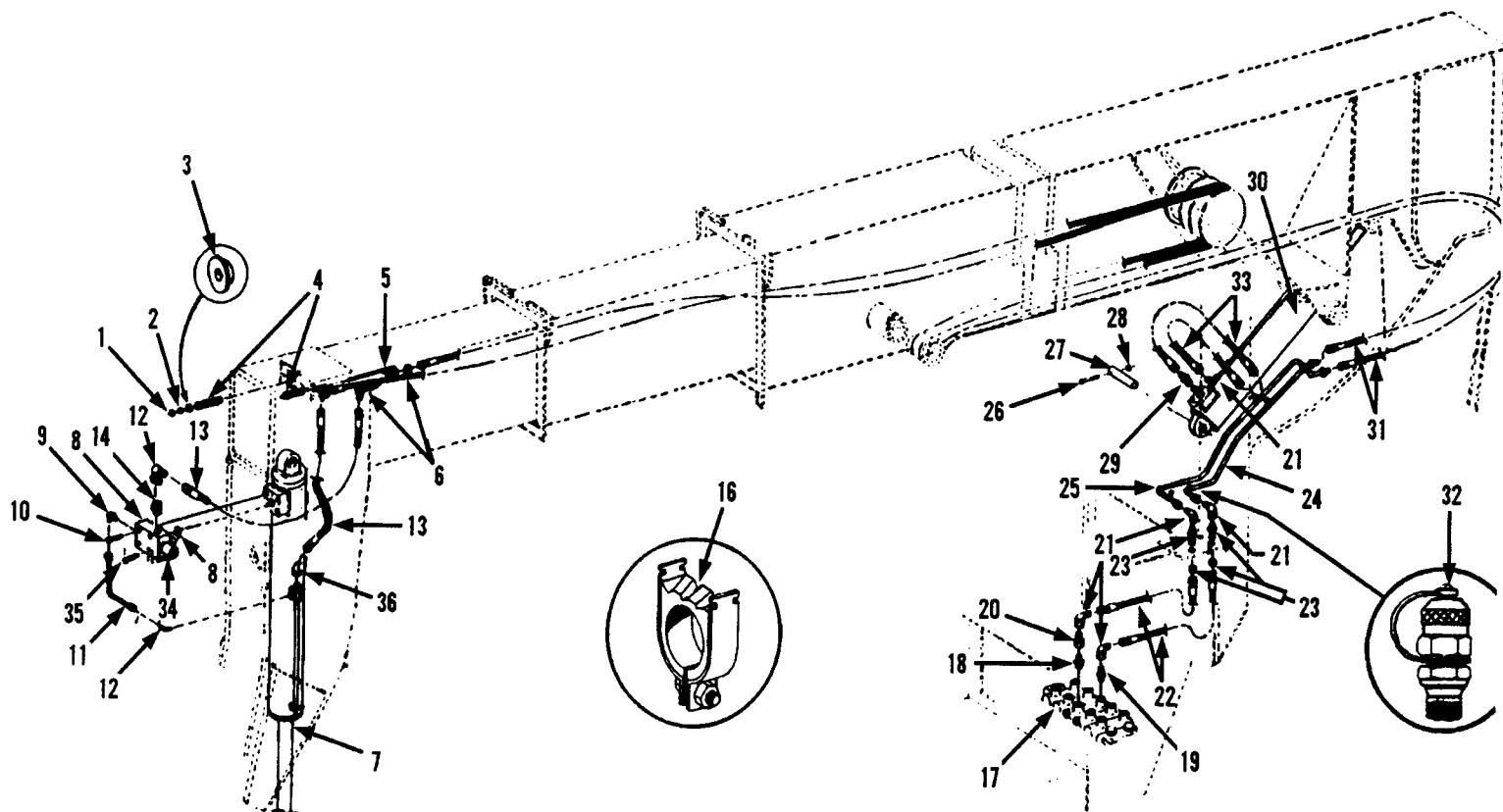
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-7352	2	PIN	15	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)
2	9002-8935	2	RETAINING RING	16	8859-1207	1	O-RING
3	9040-3212	1	CROWD CYLINDER SUPPORT	17	8589-1102	1	O-RING (valve to cylinder)
4	8820-1067	2	HEX HD CAPSCREW, 1/2-13X1-1/2 GR5	18	9020-0482	2	HOSE CLAMP
5	8850-1008	2	HEX NUT, 1/2-13	19	8820-1105	1	HEX HD CAPSCREW, 5/8-11X4 GR5
6	9103-3092	1	TUBE ASSY	20	8850-1106	1	HEX NUT, 5/8-11
7	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4 GR5	21	8471-7608	2	HOSE ASSY
8	8856-1107	2	FLAT WASHER, 1/4	22	8866-2108	2	ELBOW - 90 DEGREES (swivel nut)
9	8850-1004	2	HEX NUT, 1/4-20	23	8866-2038	1	CONNECTOR (includes o-ring)
10	9080-1293	Ref	CROWD CYLINDER (see page 10-2 for details)	24	8859-1207	1	O-RING
11	8874-3041	1	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE	25	8866-2025	1	CONNECTOR (includes o-ring)
12	9020-5825	1	TUBE ASSY		8859-1209	1	O-RING
13	8866-2062	2	ELBOW - 90 DEGREES (includes o-ring)		9103-3168	Ref	MAIN CONTROL VALVE (see page 10-7 for details)
	8859-1202	2	O-RING		9020-5792	4	HOSE CLAMP
14	9104-3232	1	COUNTERBALANCE VALVE				
	9104-3245	1	LOAD CONTROL VALVE				
	8820-1072	4	HEX HD CAPSCREW, 1/2-13X2-3/4 GR5				



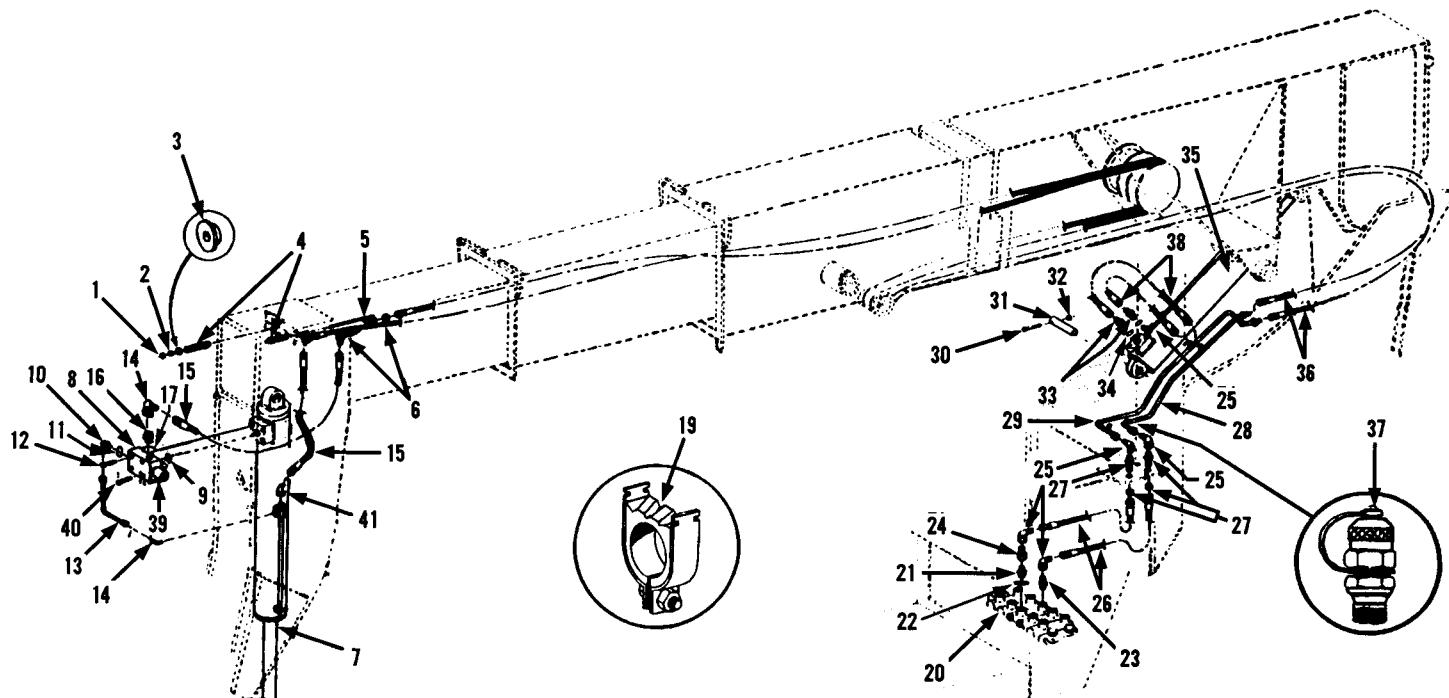
Item	Part No.	Qty.	Description Of Part
1		Ref	CROWD CYLINDER ASSY, (see page 10-2 for details)
2	9020-7352	2	PIN
3	9002-8935	4	RETAINING RING
4	9040-3212	1	CROWD CYLINDER SUPPORT
5	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5
6	8856-1107	2	FLAT WASHER, 1/4
7	8850-1004	2	HEX NUT, 1/4-20
8	9103-4308	1	COUNTERBALANCE VALVE, (includes o-ring)
9	8866-2108	1	ELBOW, 90 DEGREES, (swivel nut)
10	8866-2008	1	CONNECTOR, (includes item 12)
11	8866-2067	1	ELBOW, 90 DEGREES, (includes item 12)
12	8859-1207	3	O-RING
13	8471-7608	2	HOSE ASSY
14	9020-5792	4	HOSE CLAMP
15	8866-2108	2	ELBOW, 90 DEGREES, (swivel nut)
16	8866-2038	1	CONNECTOR, (includes item 12)
17	8866-2025	1	CONNECTOR, (includes item 18)
18	8859-1209	1	O-RING
19	Ref		MAIN CONTROL VALVE ASSY, (see page 10-7 for details)



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8850-1008	2	HEX NUT, 1/2-13	16	9020-7463	10	HYDRA ZORB CLAMP
2	8850-1108	2	HEAVY HEX JAM NUT 1/2-13	17	9103-3168	1	MAIN HYDRAULIC CONTROL VALVE
3	9020-7041	2	RETAINER	18	8866-2025	1	CONNECTOR (includes o-ring)
4	9020-0313	2	SPRING	19	8859-1209	1	O-RING
5	9040-3249	2	HOSE BULKHEAD BRACKET	20	8345-1104	1	CONNECTOR
6	9002-7180	2	90 DEGREE FITTING WITH NUT	21	8692-3006	1	FEMALE CONNECTOR
7	9080-1357	1	TILT CYLINDER (6000# unit)	22	8866-2107	5	ELBOW - 90 DEGREES (swivel nut)
	9080-1327	1	TILT CYLINDER (8000# unit)	23	9002-2043	2	HIGH PRESSURE HOSE
8	9020-5237	1	COUNTERBALANCE VALVE (includes o-ring) (6000# unit)	24	9002-9939	2	BULKHEAD ADAPTER WITH NUT
	9103-4030	AR	EXTERNAL O-RING KIT	25	9020-7386	1	TUBE ASSY
	9002-8228	1	O-RING	26	9020-7387	1	TUBE ASSY
	9103-1272	1	VALVE BLOCK (8000# unit)	27	8820-1104	1	HEX HD CAPSCREW 5/8-11X3-3/4 GR5
	9020-5773	1	VALVE CARTRIDGE (8000# unit)	28	9020-6892	1	COMPENSATING CYLINDER BASE
9	9002-7906	1	ELBOW - 90 DEGREE ADJUSTABLE	29	8850-1010	1	PIN
10	8820-1071	4	HEX HEAD CAPSCREW 1/2-13X2-1/2 GR5	30	8866-2021	1	HEX NUT, 5/8-11
	9020-7451	1	TUBE ASSY	31	8859-1205	1	CONNECTOR (includes o-ring)
11	8866-2020	1	CONNECTOR (includes o-ring)	32	9080-1291	1	O-RING
	8859-1207	1	O-RING	33	9080-1328	1	TILT COMPENSATING CYLINDER (6000# unit)
13	9002-2043	4	HIGH PRESSURE HOSE	34	9020-6888	2	TILT COMPENSATING CYLINDER (8000#unit)
14	9020-7452	1	TUBE ASSY	35	9103-3032	2	HIGH PRESSURE HOSE MINI-CHECK
15	8874-3041	1	MALE ELBOW - 90 DEGREES 1/8X1/4 TUBE				

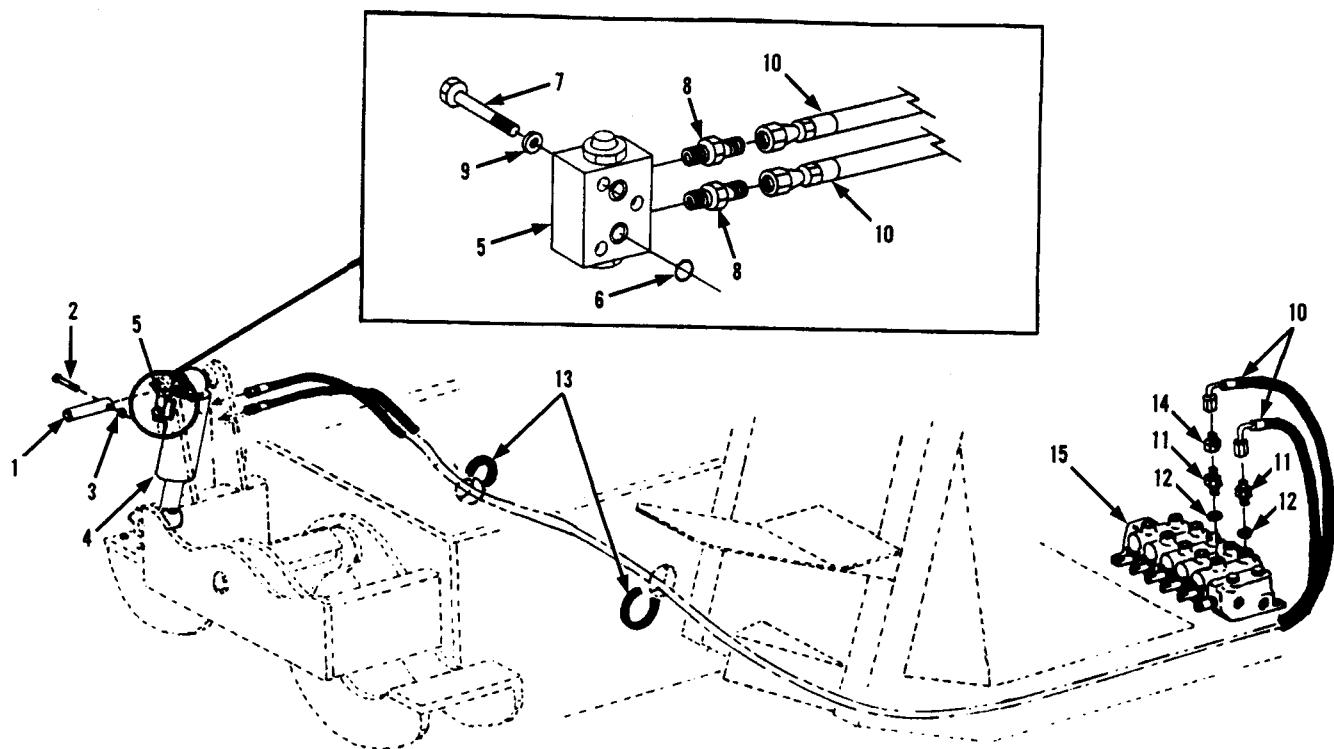


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8850-1008	2	HEX NUT, 1/2-13	18	8866-2025	1	CONNECTOR (includes o-ring)
2	8850-1108	2	HEAVY HEX JAM NUT, 1/2-13	19	8859-1209	1	O-RING
3	9020-7041	2	RETAINER	20	8345-1102	1	CONNECTOR
4	9020-0313	2	SPRING	21	8692-3006	1	FEMALE CONNECTOR
5	9040-3249	2	BRACKET (hose bulkhead)	22	8866-2107	5	ELBOW - 90 DEGREES (swivel nut)
6	9002-7180	2	90° BULKHEAD FITTING (with nut)	23	9002-2043	2	HOSE ASSY
7	9080-1327	1	TIlt CYLINDER (see page 10-3.1)	24	9002-9939	2	BULKHEAD ADAPTER (with nut)
8	9103-1272	1	VALVE BLOCK	25	9020-7386	1	TUBE ASSY
9	8859-1102	1	O-RING (block to cylinder)	26	9020-7387	1	TUBE ASSY
10	8866-2062	1	ELBOW - 90 DEGREES (includes o-ring)	27	8820-1104	1	HEX HD CAPSCREW, 5/8-11X3-3/4 GR5
11	8859-1202	1	O-RING	28	9020-6892	2	PIN (comp. cyl. both ends)
12	8820-1073	2	HEX HD CAPSCREW, 1/2-13X3 GR5	29	8850-1010	1	HEX NUT, 5/8-11
13	9020-7883	1	TUBE ASSY	30	8866-2021	1	CONNECTOR (includes o-ring)
14	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)	31	8859-1205	1	O-RING
15	9002-2043	2	HOSE ASSY	32	9080-1328	1	TIlt COMPENSATING CYLINDER (see page 10-3.1 for details)
16	8866-2020	1	CONNECTOR (includes o-ring)	33	9020-6888	2	HIGH PRESSURE HOSE
17	8859-1207	1	O-RING	34	9103-3032	2	MINI-CHECK
18	8874-3041	1	MALE ELBOW - 90 DEGREES 1/8X1/4	35	9002-3042	2	HOSE ASSY
19	9020-7463	10	CLAMP	36	9020-5773	1	CARTRIDGE
20	Ref	MAIN HYDRAULIC CONTROL VALVE (see page 10-7 for details)		37	8821-1105	2	SOCKET HD CAPSCREW, 1/2-13X1 GR8
21				38	8866-2120	1	ELBOW - 45 DEGREES (swivel nut)

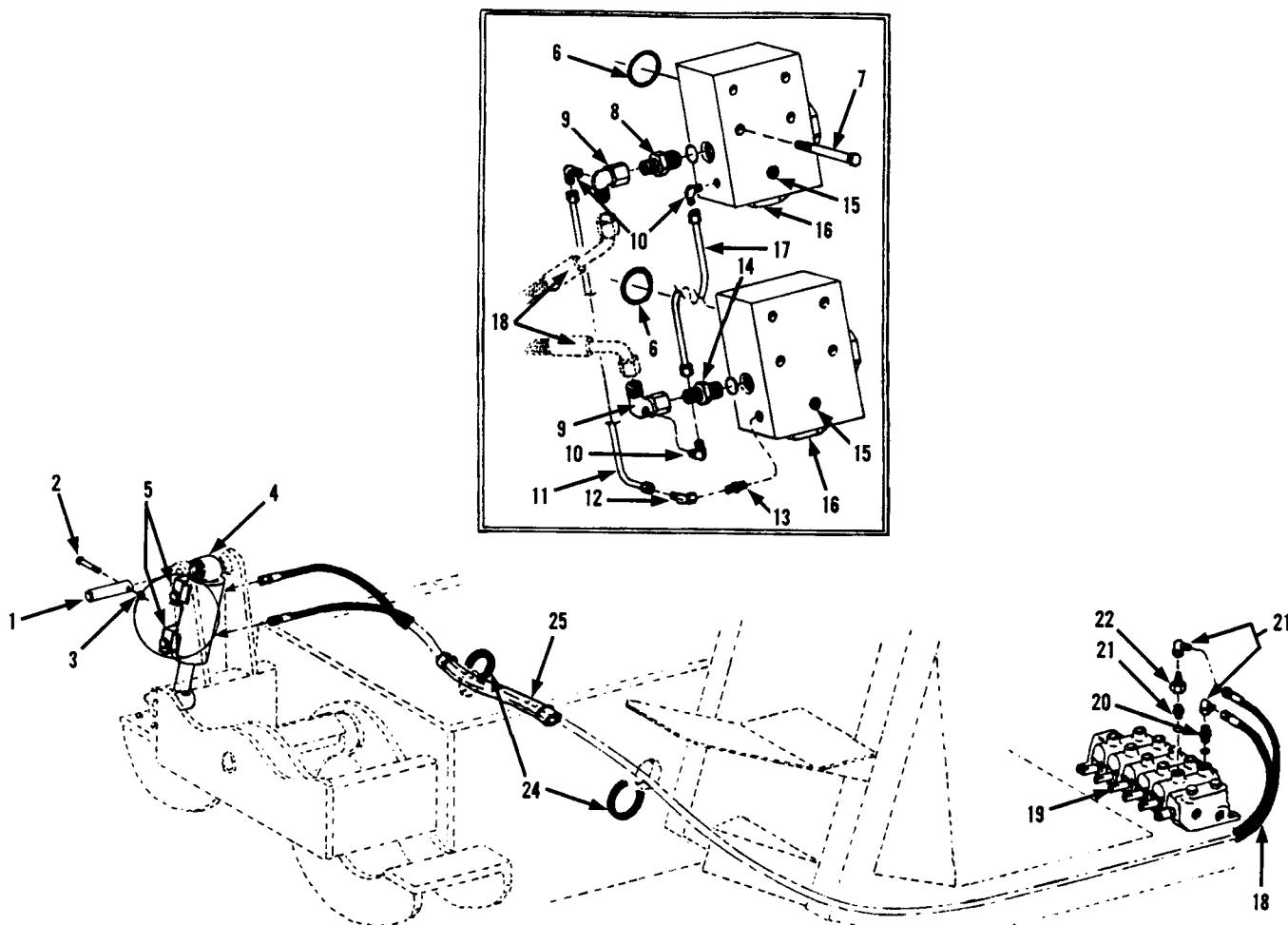


Item	Part No.	Qty.	Description Of Part
1	8850-1008	2	HEX NUT, 1/2-13
2	8850-1108	2	HEAVY HEX JAM NUT, 1/2-13
3	9020-7041	2	RETAINER
4	9020-0313	2	SPRING
5	9040-3249	2	BRACKET, (hose bulkhead)
6	9002-7180	2	BULKHEAD FITTING-90 DEGREE, (with nut)
7		Ref	TILT CYLINDER, (see page 10-3 for details)
8	9103-1272	1	VALVE BLOCK
9	8859-1102	1	O-RING, (block to cylinder)
10	8866-2062	1	ELBOW, 90 DEGREES, (includes item 11)
11	8859-1202	1	O-RING
12	8820-1073	2	HEX HD CAPSCREW, 1/2-13X3, GR5
13	9020-7883	1	TUBE ASSY
14	8866-2106	1	ELBOW, 90 DEGREES, (swivel nut)
15	8471-7922	2	HOSEASSY
16	8866-2020	1	CONNECTOR, (includes item 17)
17	8859-1207	1	O-RING
18	8874-3041	1	MALE ELBOW, 90 DEGREES, 1/8X1/4
19	9020-7463	10	CLAMP
20		Ref	MAIN HYDRAULIC CONTROL VALVE, (see page 10-7 for details)

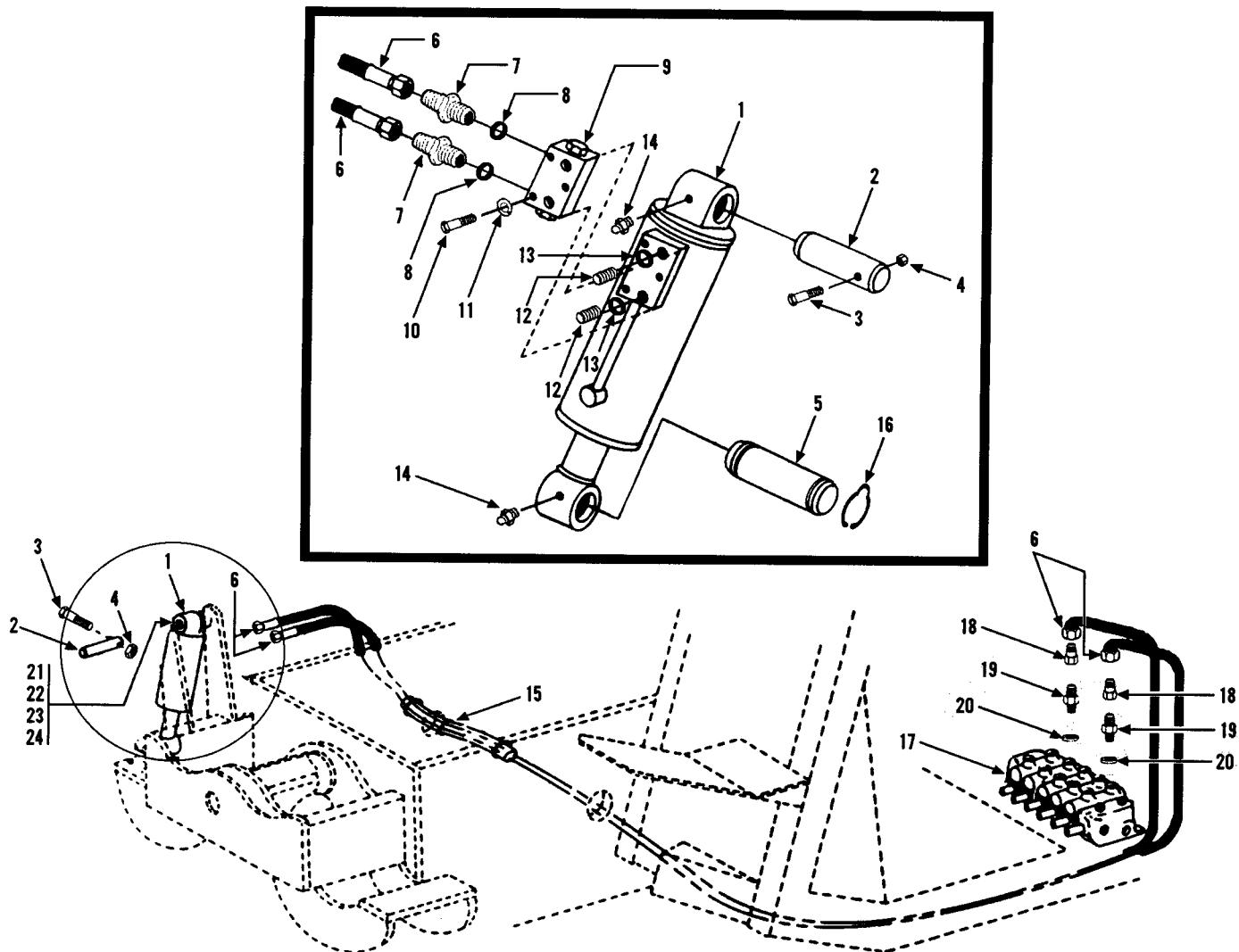
Item	Part No.	Qty.	Description Of Part
21	8866-2025	1	CONNECTOR, (includes item 22)
22	8859-1209	1	O-RING
23	8345-1102	1	CONNECTOR
24	8692-3006	1	FEMALE CONNECTOR
25	8866-2107	5	ELBOW, 90 DEGREES, (swivel nut)
26	9002-2043	2	HOSEASSY
27	9002-9939	2	BULKHEAD ADAPTER, (with nut)
28	9020-7386	1	TUBE ASSY
29	9020-7387	1	TUBE ASSY
30	8820-1104	1	HEX HD CAPSCREW, 5/8-11X3-3/4, GR5
31	9020-6892	2	PIN, (comp. cyl. both ends)
32	8850-1010	1	HEX NUT, 5/8-11
33	8866-2021	2	CONNECTOR, (includes item 34)
34	8859-1205	2	O-RING
35		Ref	TILT COMPENSATING CYLINDER, (see page 10-4 for details)
36	9020-6888	2	HIGH PRESSURE HOSE
37	9103-3032	2	MINI-CHECK
38	9002-3042	2	HOSEASSY
39	9020-5773	1	CARTRIDGE
40	8821-1105	2	SOCKET HD CAPSCREW, 1/2-13X1, GR8
41	8866-2120	1	ELBOW, 45 DEGREES, (swivel nut)



Item	Part No.	Qty.	Description Of Part
1	9040-2876	1	SWAY CYLINDER BASE PIN
2	8820-1104	1	HEX HD CAPSCREW, 5/8-11X3-3/4, GR5
3	8850-1010	1	HEX NUT, 5/8-11
4	9104-3139	1	SWAY CYLINDER (see page 10-5)
5	9105-3354	1	DUAL P.O. CHECK VALVE (see page 10-25 for details)
6	8859-1012	1	O-RING
7	8820-1041	3	HEX HD CAPSCREW, 3/8-16X2-1/2, GR5
8	8866-2006	2	CONNECTOR (includes o-ring)
	8859-1205	2	O-RING
9	8855-1011	3	LOCKWASHER, 3/8
10	9103-3224	2	HOSE ASSY
11	8866-2020	2	CONNECTOR (includes item 12)
12	8859-1207	2	O-RING
13	9020-6200	2	TRIM LOCK
14	8365-1133	1	REDUCER
15	9103-3168	Ref	MAIN CONTROL VALVE ASSY (see page 10-7 for details)

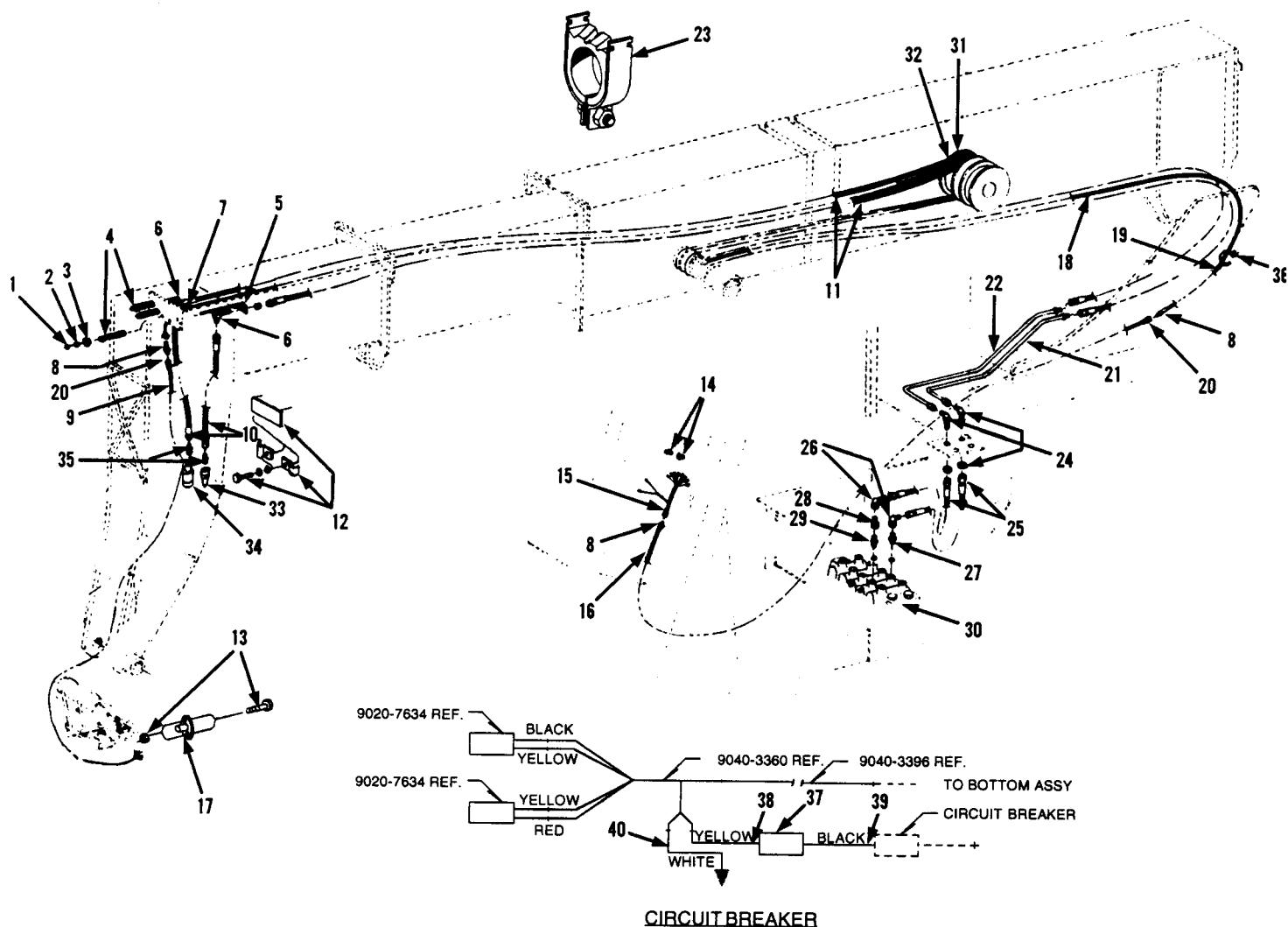


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9040-2876	1	SWAY CYLINDER BASE PIN	14	8866-2020	1	CONNECTOR (includes o-ring)
2	8820-1104	1	HEX HD CAPSCREW, 5/8-11X3-3/4, GR5	15	8859-1207	1	O-RING
3	8850-1010	1	HEX NUT, 5/8-11	16	8871-1280	2	HEX SOCKET PIPE PLUG 1/8
4	9080-1270	1	SWAY CYLINDER	17	9060-0727	2	VALVE CARTRIDGE
5	9040-0066	2	BLOCK VALVE	18	9020-7392	1	TUBE ASSY
6	9002-8217	2	O-RING (valve to cylinder)	19	9103-3224	2	HIGH PRESSURE HOSE
7	8820-1042	8	HEX HD CAPSCREW, 3/8-16X2-3/4, GR5	20	9103-3168	1	MAIN HYDRAULIC VALVE
8	9020-7390	1	CONNECTOR (with orifice) includes o-ring	21	8866-2020	1	CONNECTOR (includes o-ring)
	9020-3421	1	ORIFICE (for connector above)	22	8859-1207	1	O-RING
9	9020-7389	2	SPECIAL 90 DEGREE ELBOW	23	8866-2106	2	ELBOW - 90 DEGREES (swivel nut)
10	9002-6400	3	90 DEGREE STAITCH ELBOW	24	8365-1133	1	REDUCER
11	9020-7391	1	TUBE ASSY	25	8866-2008	1	CONNECTOR (includes o-ring)
12	8866-2103	1	ELBOW - 90 DEGREES (swivel nut)		8859-1207	1	O-RING
13	8874-3000	1	MALE ADAPTER 1/8X1/4 TUBE		9020-6200	2	RUBBER GROMMET (bulk, in frame)
					9103-3043	1	HOSE
					9002-7184	3	TY-RAP



Item	Part No.	Qty.	Description Of Part
1	9104-5103	1	SWAY CYLINDER ASSY, (includes items 1, 7 thru 11 & 13)
		Ref	SWAY CYLINDER, (see page 10-5 for details)
2	9040-2876	1	PIN
3	8320-1044	1	HEX HD CAPSCREW, 5/8-11X4, GR8
4	8850-1010	1	HEX NUT, 5/8-11
5	9020-7352	1	PIN
6	9103-3224	1	HOSE ASSY
7	8866-2006	2	CONNECTOR, (includes item 8)
8	8859-1205	2	O-RING
9		1	DUAL P.O. CHECK VALVE ASSY, (see page 10-25 for details)
10	8820-1041	3	HEX HD CAPSCREW, 3/8-16X2-1/2, GR5

Item	Part No.	Qty.	Description Of Part
11	8855-1011	3	LOCKWASHER, 3/8
12	9104-1387	2	ORIFICE PLUG
13	8859-1012	2	O-RING
14	8867-1033	2	LUBE FITTING-STRAIGHT, 1/4-28
15	9103-3043	1	HOSE
16	9002-8935	2	RETAINING RING
17		Ref	MAIN CONTROL VALVE ASSY, (see page 10-7 for details)
18	8365-1133	2	REDUCER
19	8866-2008	2	CONNECTOR, (includes item 20)
20	8859-1207	2	O-RING
21	9020-7730	AR	SHIM, (1/4" thick)
22	9020-7729	AR	SHIM, (10 gauge)
23	9020-7728	AR	SHIM, (16 gauge)
24	9020-7727	AR	SHIM, (20 gauge)



* NOTE: WHEN UTILIZING A JOINING PARTS LISTS PAY
CAREFUL ATTENTION TO PAGES REFERENCED.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
9	9103-5017		AUXILIARY HYDRAULIC ASSY (includes following items from pg 7-1)	9	9020-5546	1	LINKAGE ROD
9	9020-0290	6	BEARING	22	9002-1552	1	CLEVIS PIN
19	9020-6045	1	CONTROL PANEL	8863-1301		1	COTTER PIN, 1/16X1/2
21	9002-0489	4	#2 PAN HD SCREW				(includes following items from pg 9-9)
21	9020-5981	1	CONTROL HANDLE	21	9020-7393	1	TUBE ASSY
22	9020-0688	1	CONTROL ROD BEARING	22	9104-3196	1	TUBE ASSY
24	9020-0559	1	SPRING	24	9002-9938	2	90 DEG BULKHEAD FITTING (includes nut)
25	8856-1113	10	FLAT WASHER	25	9002-2043	2	HOSE ASSY
26	9002-1557	1	CLEVIS PIN	26	8866-2107	2	ELBOW - 90 DEGREES (swivel nut)
	8863-1309	1	COTTER PIN, 3/32X3/4	27	8866-2022	1	CONNECTOR (includes o-ring)
27	9020-5983	1	BELLCRANK	8859-1207		1	O-RING
28	9040-2904	1	CONTROL PANEL	28	8692-3006	1	REDUCER - EXPANDER
			(includes following items from pg 7-3)	29	8866-2008	1	CONNECTOR (includes o-ring)
1	9020-2361	1	CONTROL ROD	8859-1207		1	O-RING
2	8882-1004	3	ADJUSTABLE YOKE END	37	9020-6347	1	CIRCUIT BREAKER
3	9002-7987	3	SPRING CLEVIS	38	9020-7645	1	JUMPER WIRE
4	8850-1406	3	HEX NUT, 3/8-24	39	9020-0351	1	JUMPER WIRE
5	9020-5533	1	BELLCRANK	40	9020-7716	1	JUMPER WIRE

* NOTE: WHEN UTILIZING AJOINING PARTS LISTS PAY
CAREFUL ATTENTION TO PAGES REFERENCED.

Item	Part No.	Qty.	Description Of Part
	9103-5018		AUXILIARY HYDRAULIC PARTS (includes the following parts from pg 9-9)
1	8850-1108	3	HEX JAM NUT, 1/2-13
2	8850-1008	3	HEX NUT, 1/2-13
3	9020-7041	3	SPRING RETAINER
4	9020-0313	3	SPRING
5	9040-3249	3	ADJUSTING BULKHEAD
6	9002-7180	2	90 DEGREE BULKHEAD FITTING (includes nut)
10	7713-3147	2	HOSE ASSY

Item	Part No.	Qty.	Description Of Part
11	9020-6888	2	HOSE ASSY
12	9103-1186	1	HOSE MOUNTING BAR
	8652-1144	2	HOSE CLAMP
	8820-1032	1	HEX HD CAPSCREW, 3/8-16X5/8, GR5
	8855-1011	1	LOCKWASHER, 3/8
	8855-1109	1	FLAT WASHER, 3/8
31	9104-3100	1	SHEAVE
32	9103-1069	1	SPACER
33	9020-4244	1	HYDRAULIC COUPLER - MALE
34	9020-4245	1	HYDRAULIC COUPLER - FEMALE
35	8866-1013	2	MALE CONNECTOR, 1/2X1/2 TUBE

Item	Part No.	Qty.	Description Of Part
	9103-5082		AUXILIARY ELECTRIC INSTALLATION (includes the following items from pg 7-1)
4	9020-0299	1	KNOB
9	9020-0290	2	BEARING
20	9020-6128	1	CONTROL HANDLE
22	9020-0688	1	BEARING
23	9020-6222	1	SPACER
26	9002-1557	1	CLEVIS PIN
	8863-1309	1	COTTER PIN, 3/32X3/4
27	9020-5983	1	BELLCRANK
36	8867-1008	1	LUBE FITTING - STRAIGHT, 1/4-28

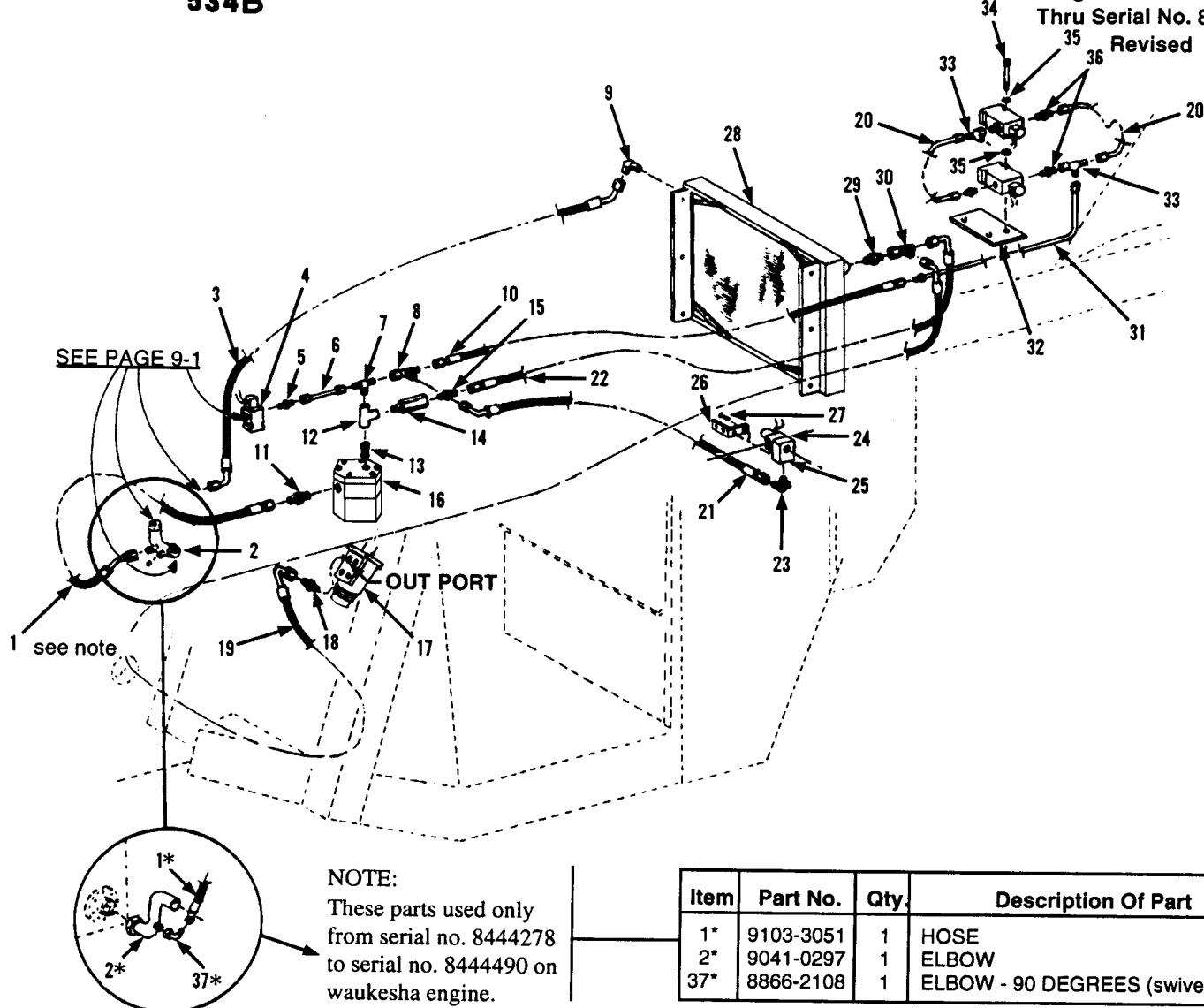
Item	Part No.	Qty.	Description Of Part
			(includes the following items from pg 9-9)
13	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5
	8855-1009	2	LOCKWASHER, 1/4
	8850-1004	2	HEX NUT, 1/4-20
15	9040-3360	1	AUXILIARY DASH HARNESS
16	9040-3396	1	AUXILIARY WIRING HARNESS
17	9020-7661	1	FEMALE ELECTRICAL SOCKET
36	9002-7187	20	NYLON TIES
37	9020-6347	1	CIRCUIT BREAKER
38	9020-7645	1	JUMPER WIRE
39	9020-0351	1	JUMPER WIRE
40	9020-7716	1	JUMPER WIRE

Item	Part No.	Qty.	Description Of Part
	9103-5087		AUXILIARY HYDRAULIC WITH ELECTRICS (includes the following parts from pg 7-1)
1	8850-1108	3	HEX JAM NUT, 1/2-13
2	8850-1008	3	HEX NUT, 1/2-13
3	9020-7041	3	SPRING RETAINER
4	9020-0313	3	SPRING
5	9040-3249	3	ADJUSTABLE BULKHEAD
6	9002-7180	2	90 DEGREE BULKHEAD FITTING (includes nut)
8	9002-8955	3	ELECTRICAL CONNECTOR (male)
9	9020-7470	1	WIRING HARNESS
10	7713-3147	2	HOSE ASSY
11	9020-6888	2	HOSE ASSY
12	9103-1186	1	HOSE MOUNT BAR
	8652-1144	2	HOSE CLAMP
	8820-1032	1	HEX HD CAPSCREW, 3/8-16X5/8, GR5

Item	Part No.	Qty.	Description Of Part
13	8855-1011	1	LOCKWASHER, 3/8
	8856-1109	1	FLAT WASHER, 3/8
	8820-1003	2	HEX HD CAPSCREW, 1/4-20X3/4, GR5
	8855-1009	2	LOCKWASHER, 1/4
	8850-1004	2	HEX NUT, 1/4-20
17	9020-7661	1	FEMALE ELECTRICAL SOCKET
18	9020-7243	1	CABLE COVER HOSE
19	9020-7633	1	AUXILIARY WIRING HARNESS
31	9104-3101	1	SHEAVE
33	9020-4244	1	HYDRAULIC COUPLER - MALE
34	9020-4245	1	HYDRAULIC COUPLER - FEMALE
35	8866-1013	2	MALE CONNECTOR, 1/2X1/2 TUBE
36	9002-7187	20	NYLON TIES
41	9002-8978	1	CABLE CLAMP

* NOTE: WHEN UTILIZING A JOINING PARTS LISTS PAY
CAREFUL ATTENTION TO PAGES REFERENCED.

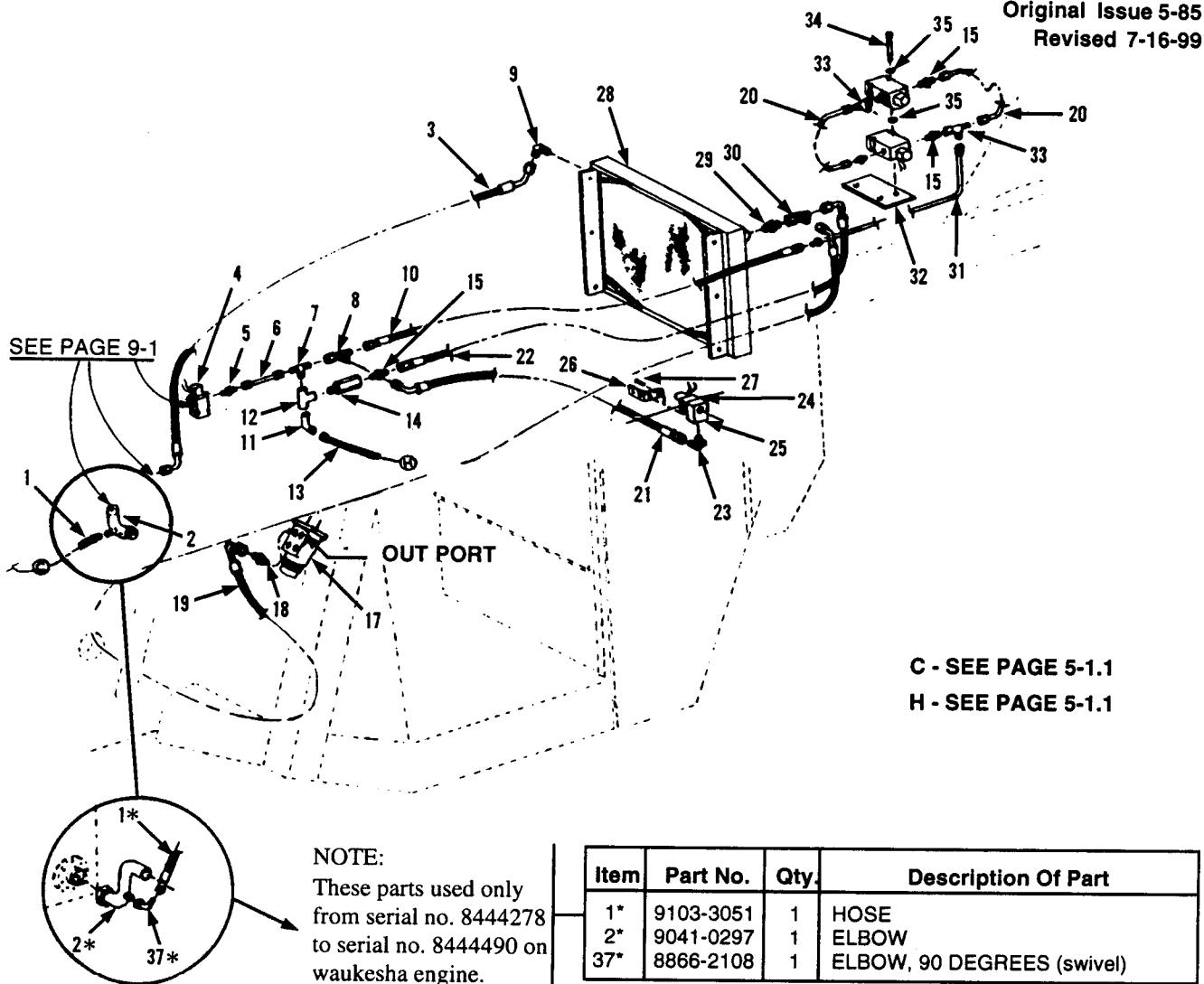
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-5109	1	AUXILIARY HYDRAULIC FIELD KIT (includes the following items from pg 7-3)		9103-5169	1	AUXILIARY ELECTRICS FIELD KIT (includes the following items from pg 9-9)
9	9020-5546	1	LINKAGE ROD (includes following items from pg 9-9)	1	8850-1108	1	HEX JAM NUT, 1/2-13
26	8866-2107	2	ELBOW - 90 DEGREE (swivel nut)	2	8850-1008	1	HEX NUT, 1/2-13
27	8866-2022	1	CONNECTOR (includes o-ring)	3	9020-7041	1	SPRING RETAINER
	8859-1207	1	O-RING	4	9020-0313	1	SPRING
28	8692-3006	1	REDUCER - EXPANDER	5	9040-3249	1	ADJUSTABLE BULKHEAD
29	8866-2008	1	CONNECTOR (includes o-ring)	7	9020-7583	1	STRAIGHT BULKHEAD FITTING (includes nut)
	8859-1207	1	O-RING (includes the following items from pg 10-7)	8	9002-8955	1	ELECTRICAL CONNECTOR (male)
	9103-3239	1	CONVERSION KIT	9	9020-7470	1	WIRING HARNESS
				18	9020-7243	1	CABLE COVER HOSE
				19	9020-7633	1	AUXILIARY WIRING HARNESS
				31	9104-3101	1	SHEAVE
				36	9002-7187	20	NYLON TIES
				41	9002-8978	1	CABLE CLAMP
					9020-7464	1	CUSHION CLAMP (not shown)



Item	Part No.	Qty.	Description Of Part
1*	9103-3051	1	HOSE
2*	9041-0297	1	ELBOW
37*	8866-2108	1	ELBOW - 90 DEGREES (swivel)

Item	Part No.	Qty.	Description Of Part
1	9020-7407	1	HIGH PRESSURE HOSE
2	9020-7688	1	TUBE ASSY
3	9020-7398	1	HIGH PRESSURE HOSE
4	9020-6769	3	SOLENOID VALVE
5	9002-7360	1	CONNECTOR
6	9060-2566	1	TUBE ASSY
7	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE
8	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
9	8682-1248	1	ELBOW - 90 DEGREES
10	9020-7664	1	HIGH PRESSURE HOSE
11	9002-8966	1	CONNECTOR
12	8871-2073	1	TEE, 1/8
13	8870-1003	1	CLOSE NIPPLE, 3/8X1
14	9020-7353	1	CHECK VALVE
15	8874-3038	1	MALE ELBOW - 45 DEGREES 3/8X3/8 TUBE
16	9040-3305	1	PILOT PUMP
17	9020-6762	1	STEERING ORBITAL
18	8866-2006	1	CONNECTOR (includes o-ring)
	8859-1205	1	O-RING (out port)

Item	Part No.	Qty.	Description Of Part
19	8471-7521	1	HIGH PRESSURE HOSE
20	9020-7666	2	TUBE ASSY
21	9020-7694	1	HIGH PRESSURE HOSE
22	9020-7408	1	HIGH PRESSURE HOSE
23	9002-8499	1	90 DEGREE ELBOW (adjustable)
24	9020-7755	1	CONTROL VALVE
25	9060-2895	1	ADAPTER BLOCK
26	9020-7756	1	ANGLE BRACKET
27	8820-1005	2	HEX HD CAPSCREW, 1/4-20X1, GR5
28	9020-6752	1	HYDRAULIC OIL COOLER
29	8866-2020	1	CONNECTOR (includes o-ring)
	8859-1207	1	O-RING
30	8866-2240	1	SWIVEL NUT RUN TEE, 3/8 TUBE
31	9020-7713	1	TUBE ASSY
32	9020-7693	1	VALVE MOUNTING PLATE
33	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE
34	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4 GR5
35	8856-1107	4	FLAT WASHER, 1/4



Item	Part No.	Qty.	Description Of Part
1	9103-3179	1	HOSE
2	9103-3178	1	SUCTION TUBE
3	9020-7398	1	HIGH PRESSURE HOSE
4	9020-6739	3	SOLENOID VALVE
5	9002-7360	1	CONNECTOR
6	9060-2566	1	TUBE ASSY
7	8866-1245	1	MALE OUTLET TEE, 3/8X1/2 TUBE
8	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
9	8682-1248	1	ELBOW - 90 DEGREES
10	9020-7664	1	HIGH PRESSURE HOSE
11	8866-2085	1	ELBOW - 45 DEGREES (includes o-ring)
	8859-1205	1	O-RING
12	8871-2073	1	TEE, 1/8
13	8471-7470	1	HOSE ASSY
14	9020-7353	1	CHECK VALVE
15	8874-3038	1	MALE ELBOW - 45 DEGREES 3/8X3/8 TUBE
16	9103-3156	1	PILOT PUMP (see page 5-1.1)
17	9020-6762	1	STEERING ORBITAL
18	8866-2006	1	CONNECTOR (includes o-ring)
	8859-1205	1	O-RING

Item	Part No.	Qty.	Description Of Part
19	8471-7521	1	HIGH PRESSURE HOSE
20	9020-7666	2	TUBE ASSY
21	9020-7694	1	HIGH PRESSURE HOSE
22	9020-7408	1	HIGH PRESSURE HOSE
23	9002-8499	1	ELBOW - 90 DEGREES (adjustable)
24	9020-7755	1	CONTROL VALVE
25	9060-2895	1	ADAPTER BLOCK
26	9020-7756	1	ANGLE BRACKET
27	8820-1005	2	HEX HD CAPSCREW, 1/4-20X1, GR5
28	9020-6752	1	HYDRAULIC OIL COOLER
29	8866-2020	1	CONNECTOR (includes o-ring)
	8859-1207	1	O-RING
30	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
31	9020-7713	1	TUBE ASSY
32	9020-7693	1	VALVE MOUNTING PLATE
33	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE
34	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5
35	8856-1107	4	FLAT WASHER, 1/4

Starting Serial No. 8444491

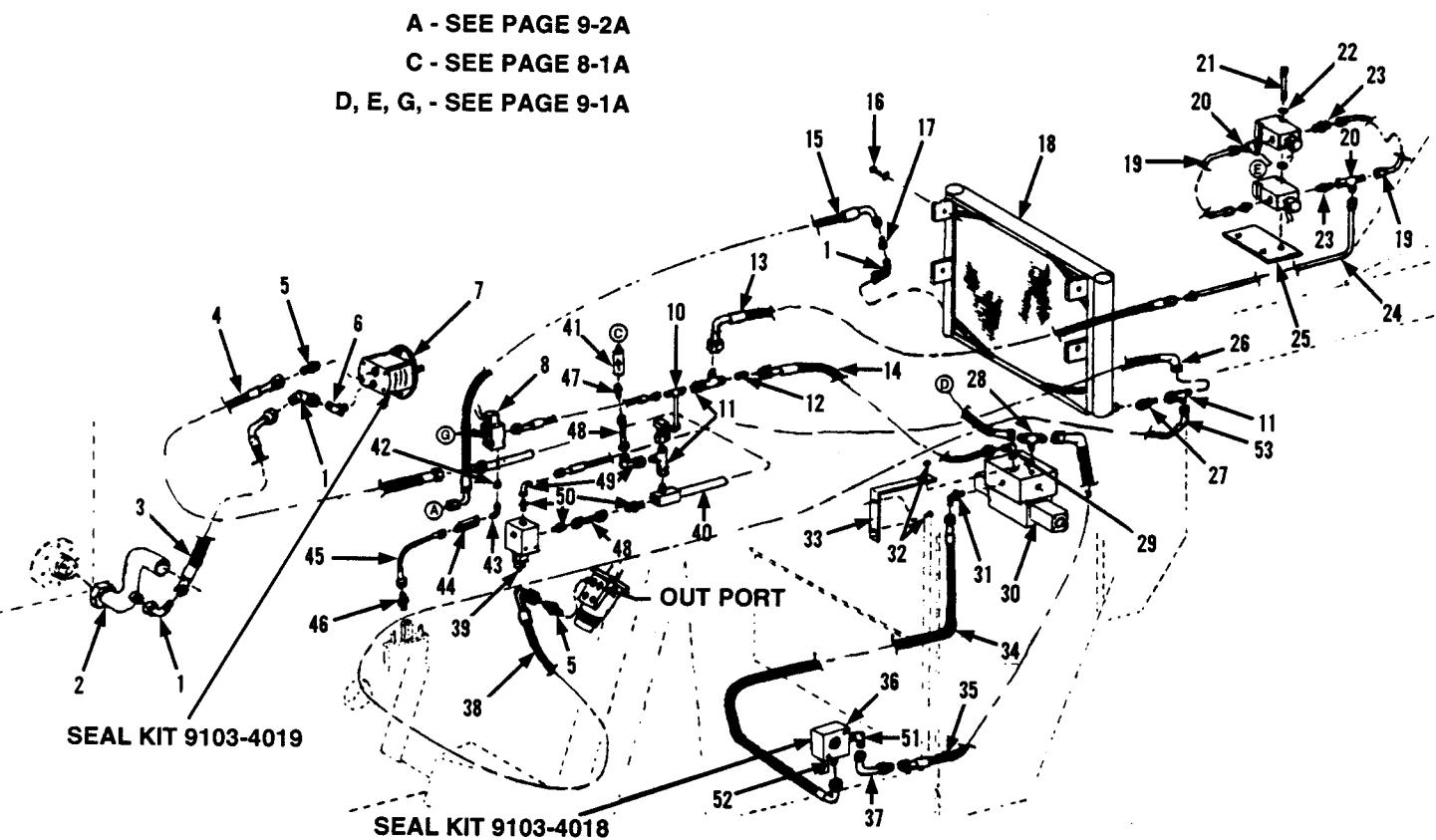
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Excluding Serial No. 8744079G

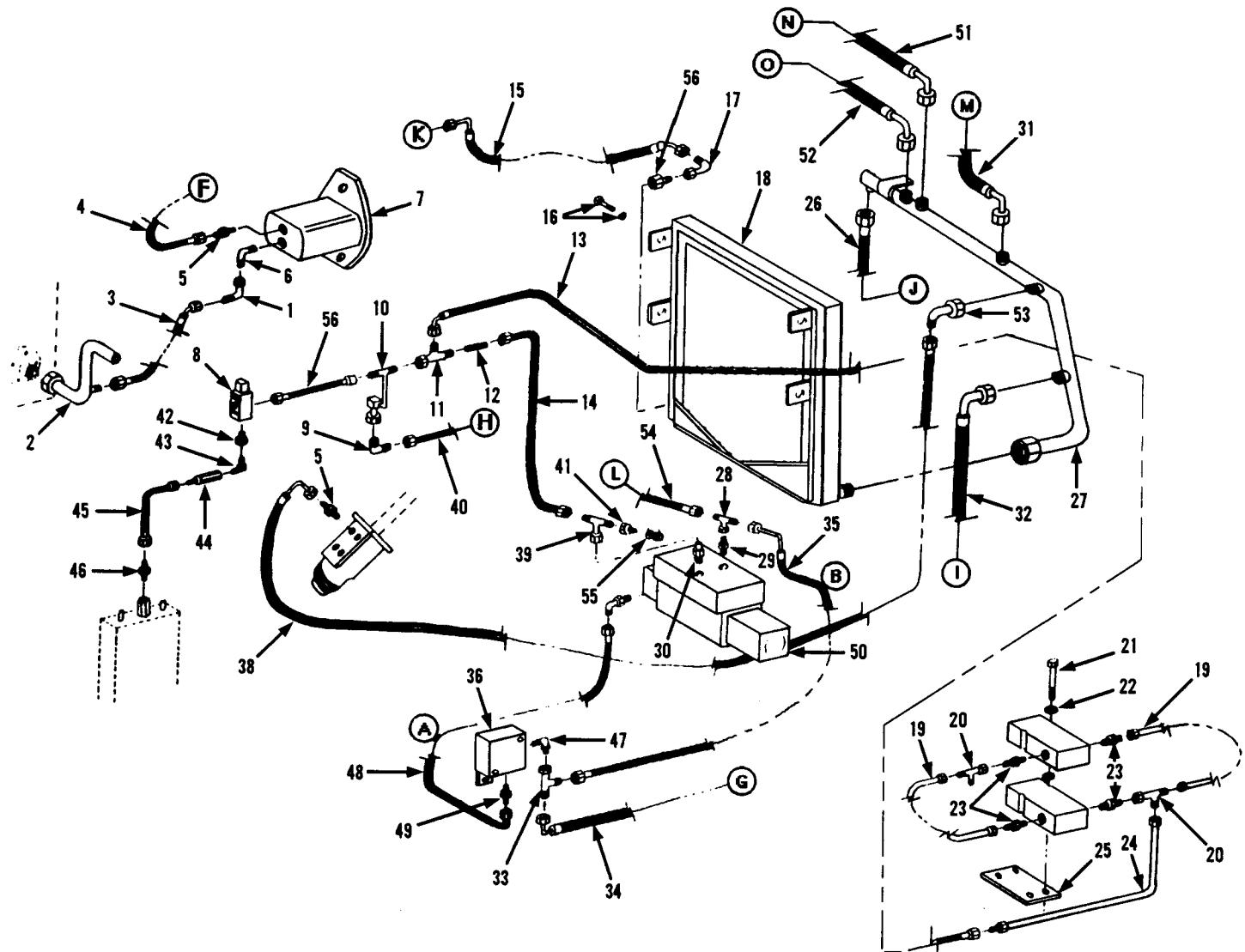
Perkins Engine Only

Original Issue 2-85

Revised 7-16-99



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8866-2108	3	ELBOW - 90 DEGREES (swivel nut)	25	9020-7693	1	MOUNTING PLATE
2	9041-0298	1	ELBOW	26	8471-7461	1	HOSE ASSY
3	8471-6985	1	HOSE ASSY	27	8366-2107	1	TUBE ASSY
4	9103-3082	1	HOSE ASSY	28	8866-2224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE
5	8866-2024	2	CONNECTOR (includes o-ring)	29	7713-1088	1	CONNECTOR
	8859-1206	2	O-RING	30	9103-3097	1	DIRECITAL CONTROL VALVE
6	8866-2067	1	ELBOW - 90 DEGREES (includdes o-ring)	31	9002-8499	1	CONNECTOR
	8859-1207	1	O-RING	32	8820-1005	6	HEX HD CAPSCREW, 1/4-20X1, GR5
7	9103-3122	1	PILOT PUMP		8850-1004	4	HEX NUT, 1/4-20
	8667-1112	1	GASKET	33	9103-1086	2	MOUNTING BRACKET
8	9020-6739	1	SOLENOID VALVE	34	7713-3342	1	HIGH PRESSURE HOSE
9	8471-7468	1	HOSE ASSY	35	8471-7466	1	HOSE ASSY
10	9103-3073	1	TUBE ASSY	36	9103-3096	1	INCHING VALVE
	9103-3138	AR	CLAMP	37	9103-3130	1	TUBE LINE
	7713-3498	1	COVER PLATE	38	8471-7521	1	HOSE ASSY
	7713-3499	AR	HEX HD CAPSCREW	39	9103-3128	1	RELIEF VALVE
11	8866-2240	3	SWIVEL NUT RUN TEE, 1/2 TUBE	40	9103-3075	1	TUBE ASSY
12	9103-3100	1	INLINE STRAINER	7713-3035	AR	CLAMP	
13	8471-7463	1	HIGH PRESSURE HOSE	7713-3052	1	COVER PLATE	
14	7713-3147	1	HOSE ASSY	7713-3209	AR	HEX HD CAPSCREW	
15	9020-7398	1	HIGH PRESSURE HOSE	41	8366-3087	1	CHECK VALVE
16	8820-1031	4	HEX HD CAPSCREW, 3/8-16X1/2, GR5	42	8871-1381	1	REDUCING BUSHING, 3/8X1/4
	8855-1011	4	LOCKWASHER, 3/8	43	8874-3042	1	MALE ELBOW, 90 DEGREES, 1/4X516 TUBE
	8856-1109	4	FLAT WASHER, 3/8	44	8343-1005	1	ORIFICE CHECK VALCE
17	8692-3006	1	CONNECTOR	45	8471-6238	1	HOSE ASSY
18	9103-3050	1	OIL COOLER	46	8874-3036	1	MALE ELBOW, 45 DEGREES, 1/8X5/16 TUBE
	8452-1056	1	DRAIN	47	8866-2006	1	CONNECTOR (includes o-ring)
19	9020-7666	2	TUBE LINE		8859-1205	1	O-RING
20	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	48	9060-2566	2	TUBE LINE
21	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	49	8866-2106	2	ELBOW - 90 DEGREES (swivel nut)
22	8856-1107	4	FLAT WASHER, 1/4	50	8874-3003	3	MALE ADAPTER, 3/8X1/2 TUBE
23	9002-9915	4	CONNECTOR	51	8319-3008	1	METRIC ELBOW
24	9020-7713	1	TUBE ASSY	52	8319-3009	1	METRIC ADAPTER
				53	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part	
1	8866-2108	1	ELBOW - 90 DEGREES (swivel nut)	28	8866-2224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE	
2	9103-3257	1	ELBOW	29	8866-2005	1	CONNECTOR (includes o-ring)	
3	7713-3875	1	HOSE ASSY	30	8866-2026	1	CONNECTOR (includes o-ring)	
4	8471-6251	1	HOSE ASSY		8859-1204	1	O-RING	
5	8866-2024	2	CONNECTOR (includes o-ring)		8866-2026	1	CONNECTOR (includes o-ring)	
	8859-1206	2	O-RING		8859-1204	1	O-RING	
6	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)	31	8471-7577	1	HOSE ASSY	
	8859-1207	1	(see page 10-15A for details)	32	8471-7518	1	HOSE ASSY	
7	9103-3122	1	PILOT PUMP (see page 10-15A for details)	33	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE	
8	9020-6739	1	SOLENOID VALVE (see page 10-11 for details)	34	9020-7411	1	HOSE ASSY	
9	8866-1206	1	UNION ELBOW, 90 DEGREES	35	8471-7466	1	HOSE ASSY	
10	9103-3073	1	TUBE ASSY	36	9103-3096	1	INCHING VALVE	
11	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	38	8471-7521	1	HOSE ASSY	
12	9103-3100	1	INLINE STRAINER	39	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE	
13	8471-7463	1	HOSE ASSY	40	8471-7413	1	HOSE ASSY	
14	7713-3147	1	HOSE ASSY	41	7724-1003	1	ADAPTER	
15	9020-7398	1	HOSE ASSY	42	8871-1381	1	REDUCING BUSHING, 3/8X1/4	
16	8820-1031	4	HEX HD CAPSCREW, 3/8-16X1/2, GR5	43	8874-3042	1	MALE ELBOW - 90 DEGREES, 1/4X5/16 TUBE	
	8855-1011	4	LOCK WASHER, 3/8	44	8343-1005	1	ORIFICE CHECK VALVE	
	8856-1109	4	FLAT WASHER, 3/8	45	8471-6238	1	HOSE ASSY	
17	8866-2107	1	ELBOW - 90 DEGREES (swivel nut)	46	8874-3036	1	MALE ELBOW - 45 DEGREES, 1/8X5/16 TUBE	
18	9103-3050	1	OIL COOLER	47	8866-2064	1	ELBOW - 90 DEGREES (includes o-ring)	
19	9020-7666	2	TUBE LINE		8859-1204	1	HOSE ASSY	
20	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	48	7713-3342	1	CONNECTOR (includes o-ring)	
21	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5		8866-2005	1	O-RING	
22	8856-1107	2	FLAT WASHER, 1/4	50	9103-3097	1	DIRECTIONAL CONTROL VALVE (see pg 10-19 for details)	
23	9002-9915	4	CONNECTOR	51	7713-3167	1	HOSE ASSY	
24	9020-7713	1	TUBE ASSY	52	8471-7577	1	HOSE ASSY	
25	9020-7693	1	MOUNTING PLATE	53	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)	
26	8471-7489	1	HOSE ASSY	54	8471-7520	1	HOSE ASSY	
27	9104-3145	1	DRAIN MANIFOLD		55	9103-3032	1	MINI CHECK (Stauff)
					56	8471-7468	1	HOSE ASSY

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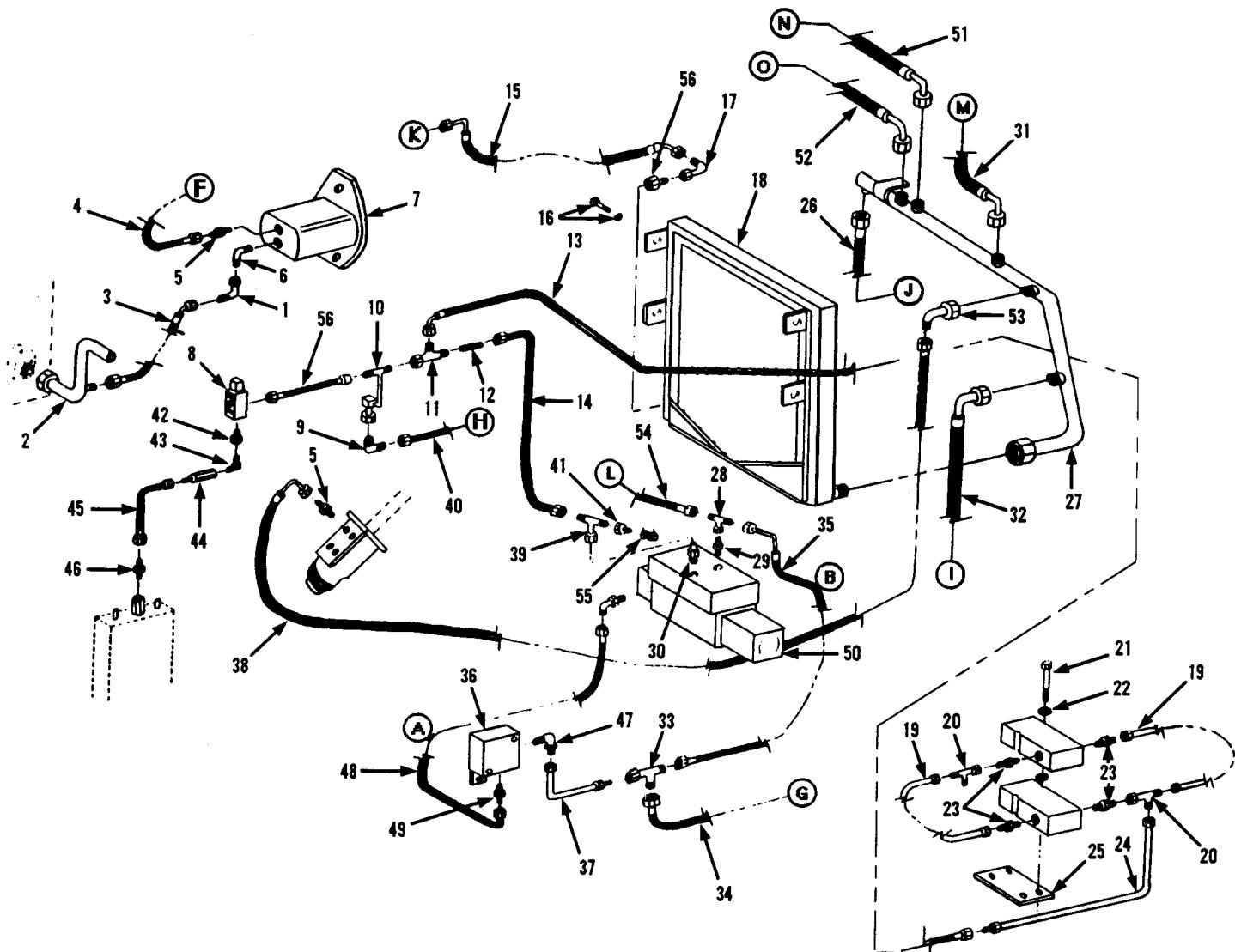
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Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8866-2108	1	ELBOW - 90 DEGREES (swivel nut)	29	8866-2005	1	CONNECTOR (includes o-ring)
2	9103-3257	1	ELBOW	30	8859-1204	1	O-RING
3	7713-3875	1	HOSE ASSY	31	8866-2026	1	CONNECTOR (includes o-ring)
4	8471-6251	1	HOSE ASSY	32	8859-1204	1	O-RING
5	8866-2024	2	CONNECTOR (includes o-ring)	33	8471-7577	1	HOSE ASSY
	8859-1206	2	O-RING	34	8471-7518	1	HOSE ASSY
6	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)	35	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
	8859-1207	1		36	9020-7411	1	HOSE ASSY
7	9103-3122	1	PILOT PUMP (see page 10-15A for details)	37	8471-7466	1	HOSE ASSY
	9020-6739	1		38	9103-3096	1	INCHING VALVE
			SOLENOID VALVE (see page 10-11 for details)	39	9103-3130	1	TUBE LINE
9	8866-1206	1	UNION ELBOW, 90 DEGREES	40	8471-7521	1	HOSE ASSY
10	9103-3073	1	TUBE ASSY	41	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE
11	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	42	9103-7413	1	HOSE ASSY
12	9103-3100	1	INLINE STRAINER	43	7724-1003	1	ADAPTER
13	8471-7463	1	HOSE ASSY	44	8871-1381	1	REDUCING BUSHING, 3/8X1/4
14	7713-3147	1	HOSE ASSY	45	8874-3042	1	MALE ELBOW - 90 DEGREES, 1/4X5/16 TUBE
15	9020-7398	1	HOSE ASSY	46	8874-3036	1	ORIFICE CHECK VALVE
16	8820-1031	4	HEX HD CAPSCREW, 3/8-16X1/2, GR5	47	8343-1005	1	HOSE ASSY
	8855-1011	4	LOCK WASHER, 3/8	48	8471-6238	1	MALE ELBOW - 45 DEGREES, 1/8X5/16 TUBE
	8856-1109	4	FLAT WASHER, 3/8	49	8866-2064	1	ELBOW - 90 DEGREES (includes o-ring)
17	8866-2107	1	ELBOW - 90 DEGREES (swivel nut)	50	8859-1204	1	HOSE ASSY
18	9103-3050	1	OIL COOLER	51	7713-3342	1	CONNECTOR (includes o-ring)
19	9020-7666	2	TUBE LINE	52	8866-2005	1	O-RING
20	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE	53	9103-3097	1	DIRECTIONAL CONTROL VALVE (see pg 10-19 for details)
21	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	54	7713-3167	1	HOSE ASSY
	8856-1107	2	FLAT WASHER, 1/4	55	8471-7577	1	HOSE ASSY
23	9002-9915	4	CONNECTOR	56	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)
24	9020-7713	1	TUBE ASSY				HOSE ASSY
25	9020-7693	1	MOUNTING PLATE				MINI CHECK (Stauff)
26	8471-7489	1	HOSE ASSY				HOSE ASSY
27	9104-3145	1	DRAIN MANIFOLD				
28	8866-2224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE				

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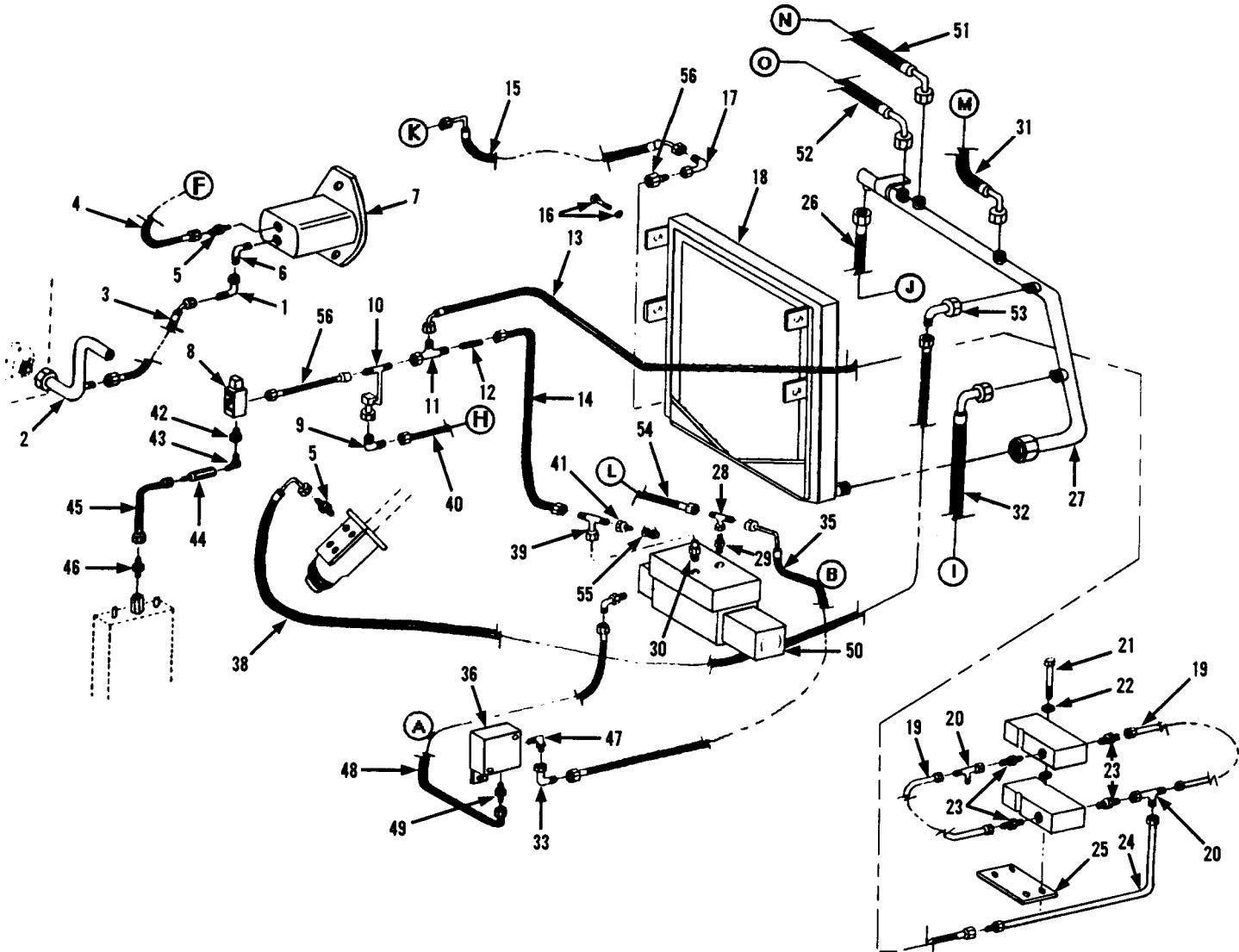
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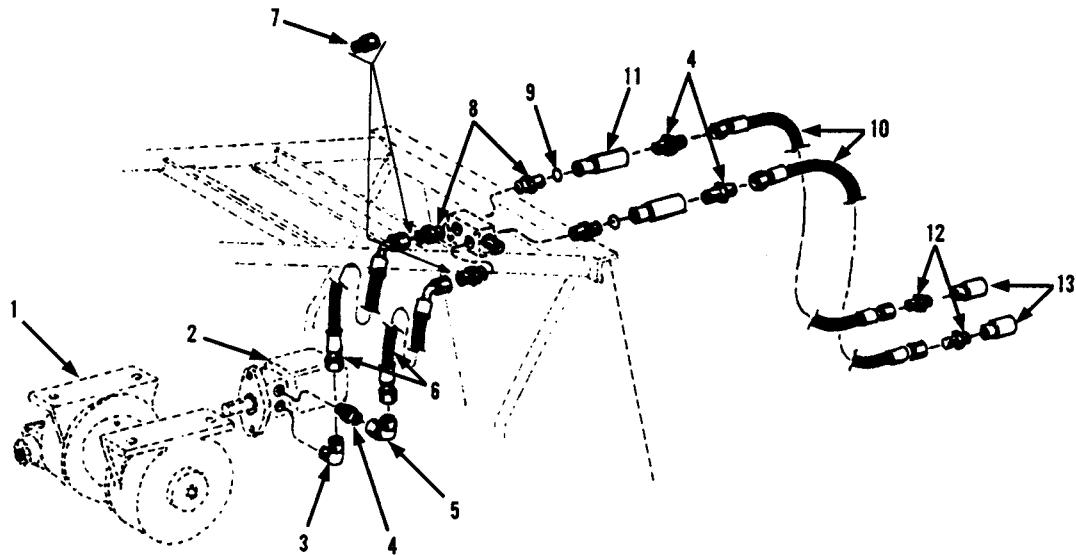


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	8866-2108	1	ELBOW - 90 DEGREES (swivel nut)	29	8866-2005	1	CONNECTOR (includes o-ring)
2	9103-3257	1	ELBOW		8859-1204	1	O-RING
3	7713-3875	1	HOSE ASSY	30	8866-2026	1	CONNECTOR (includes o-ring)
4	8471-6251	1	HOSE ASSY		8859-1204	1	O-RING
5	8866-2024	2	CONNECTOR (includes o-ring)	31	8471-7577	1	HOSE ASSY
	8859-1206	2	O-RING	32	8471-7518	1	HOSE ASSY
6	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)	33	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
	8859-1207	1		34	8471-7468	1	HOSE ASSY
7	9103-3122	1	PILOT PUMP (see page 10-15A for details)	35	8471-7466	1	HOSE ASSY
8	9020-6739	1	SOLENOID VALVE (see page 10-11 for details)	36	9103-3096	1	INCHING VALVE
9	8866-1206	1	UNION ELBOW, 90 DEGREES	38	8471-7521	1	HOSE ASSY
10	9103-3073	1	TUBE ASSY	39	8866-2225	1	SWIVEL NUT BRANCH TEE, 1/2 TUBE
11	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE	40	8471-7413	1	HOSE ASSY
12	9103-3100	1	INLINE STRAINER	41	7724-1003	1	ADAPTER
13	8471-7463	1	HOSE ASSY	42	8871-1381	1	REDUCING BUSHING, 3/8X1/4
14	7713-3147	1	HOSE ASSY	43	8874-3042	1	MALE ELBOW - 90 DEGREES, 1/4X5/16 TUBE
15	8471-7797	1	HOSE ASSY	44	8343-1005	1	ORIFICE CHECK VALVE
16	8820-1031	4	HEX HD CAPSCREW, 3/8-16X1/2, GR5	45	8471-6238	1	HOSE ASSY
	8855-1011	4	LOCK WASHER, 3/8	46	8874-3036	1	MALE ELBOW - 45 DEGREES, 1/8X5/16 TUBE
	8856-1109	4	FLAT WASHER, 3/8	47	8866-2064	1	ELBOW - 90 DEGREES (includes o-ring)
17	8866-2107	1	ELBOW - 90 DEGREES (swivel nut)		8859-1204	1	
18	9103-3050	1	OIL COOLER	48	7713-3342	1	HOSE ASSY
19	9020-7666	2	TUBE LINE	49	8866-2005	1	CONNECTOR (includes o-ring)
20	8866-2239	2	SWIVEL NUT RUN TEE, 3/8 TUBE		8859-1204	1	O-RING
21	8820-1008	2	HEX HD CAPSCREW, 1/4-20X1-3/4, GR5	50	9103-3097	1	DIRECTIONAL CONTROL VALVE (see pg 10-19 for details)
22	8856-1107	2	FLAT WASHER, 1/4	51	7713-3167	1	HOSE ASSY
23	8866-1009	4	FITTING	52	8471-7577	1	HOSE ASSY
24	9020-7713	1	TUBE ASSY	53	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)
25	9020-7693	1	MOUNTING PLATE	54	8471-7520	1	HOSE ASSY
26	8471-7489	1	HOSE ASSY		9103-3032	1	MINI CHECK (Stauff)
27	9104-3145	1	DRAIN MANIFOLD				
28	8866-2224	1	SWIVEL NUT BRANCH TEE, 3/8 TUBE				

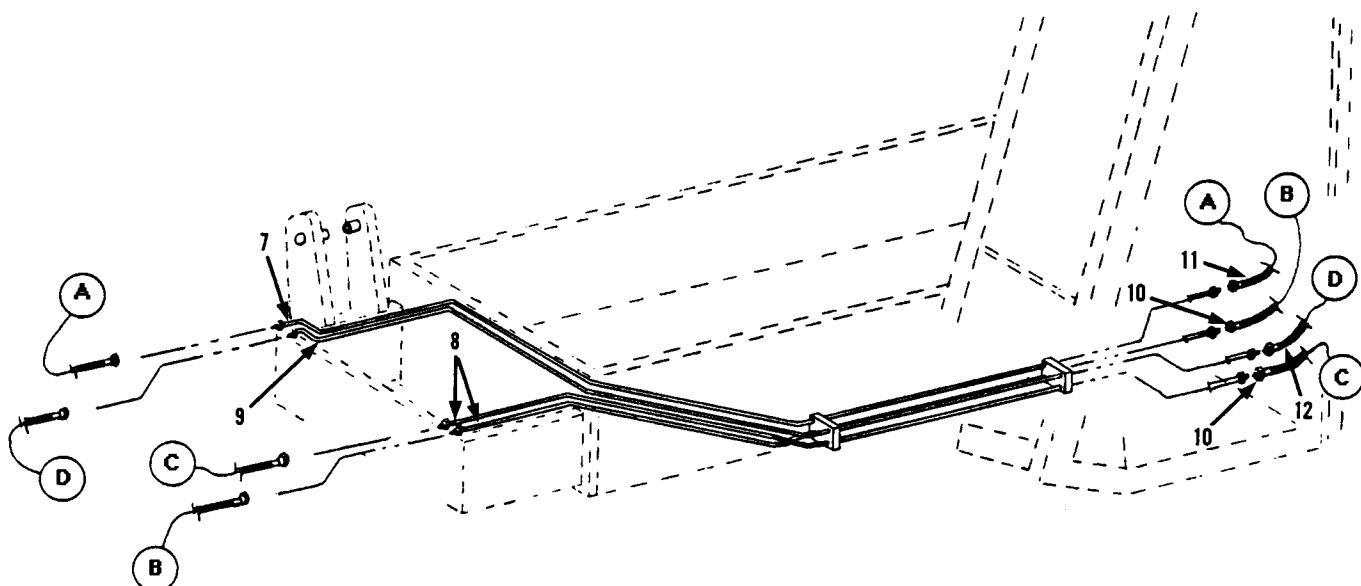
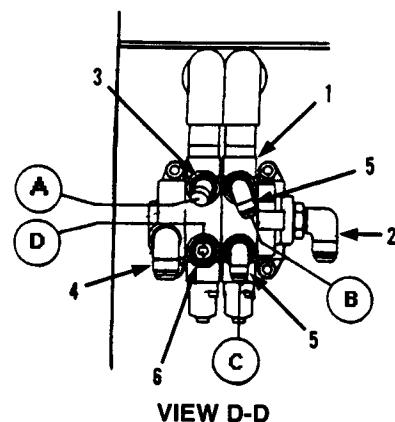
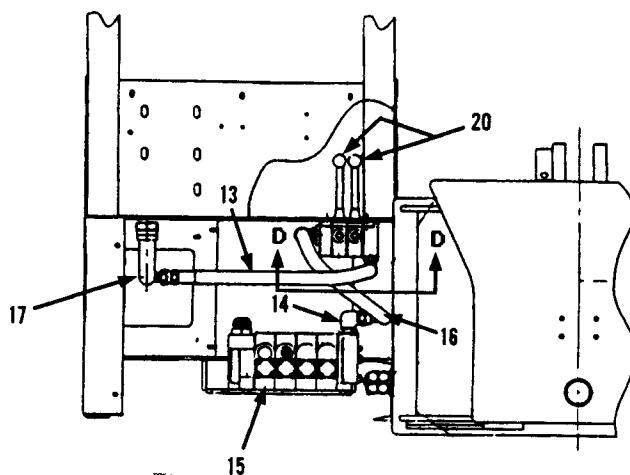
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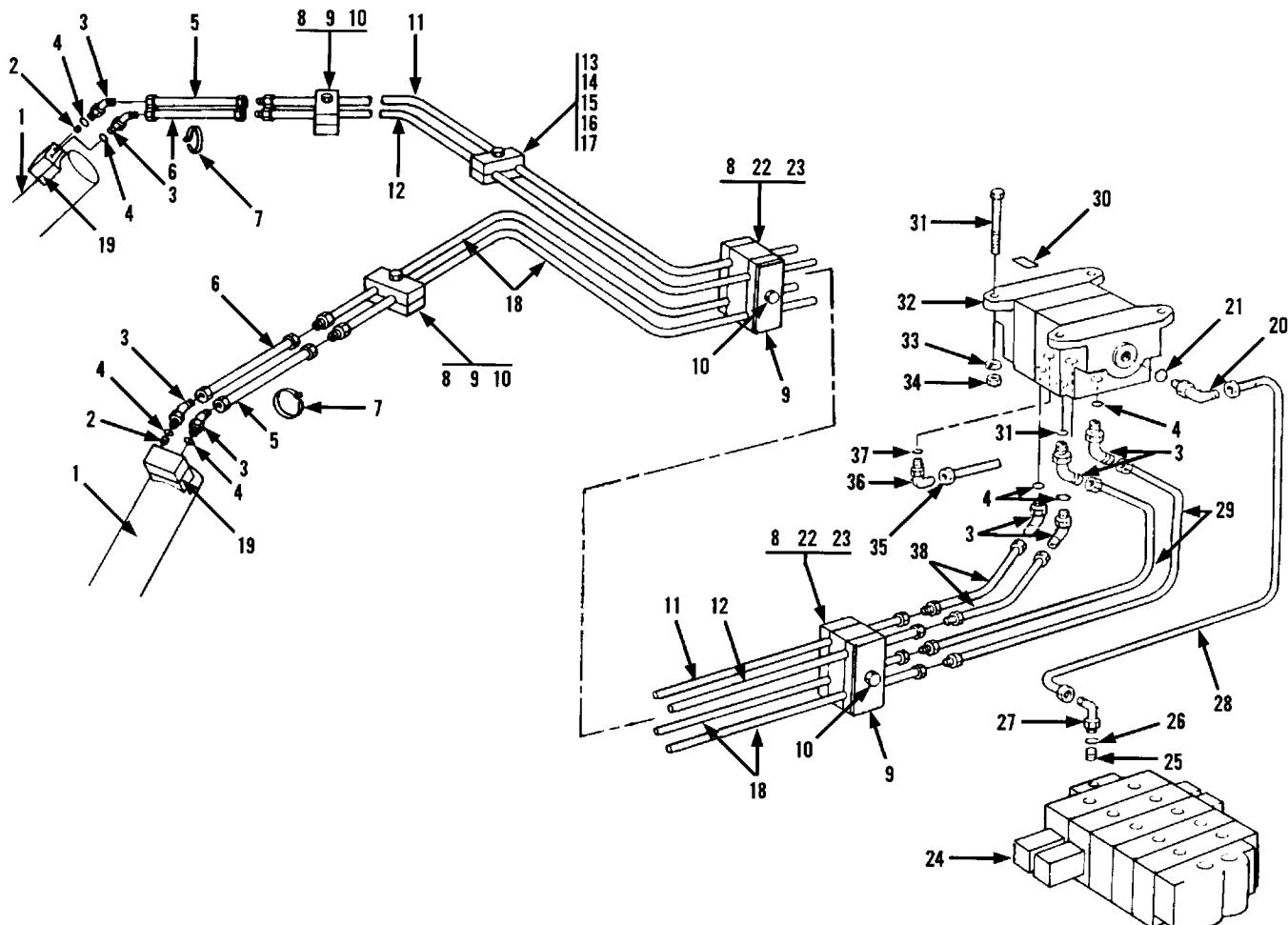
Item	Part No.	Qty.	Description Of Part
1	9020-7878	1	WINCH
2	9020-7879	1	WINCH MOTOR
3	8866-2059	1	ELBOW - 90 DEGREES (includes o-ring)
	8859-1206	1	O-RING
4	8866-2019	3	CONNECTOR (includes o-ring)
	8859-1206	3	O-RING
5	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)
6	9020-5121	2	HIGH PRESSURE HOSE
7	9002-9935	2	REDUCER
8	8345-1104	4	STRAIGHT ADAPTER
9	9002-3116	2	O-RING
10	9002-2042	2	HIGH PRESSURE HOSE
11	9020-7880	2	FLOW LIMITER
12	8874-3016	2	MALE ADAPTER, 1/2X1/2 TUBE
13	9020-4245	2	QUICK DISCONNECT (female)



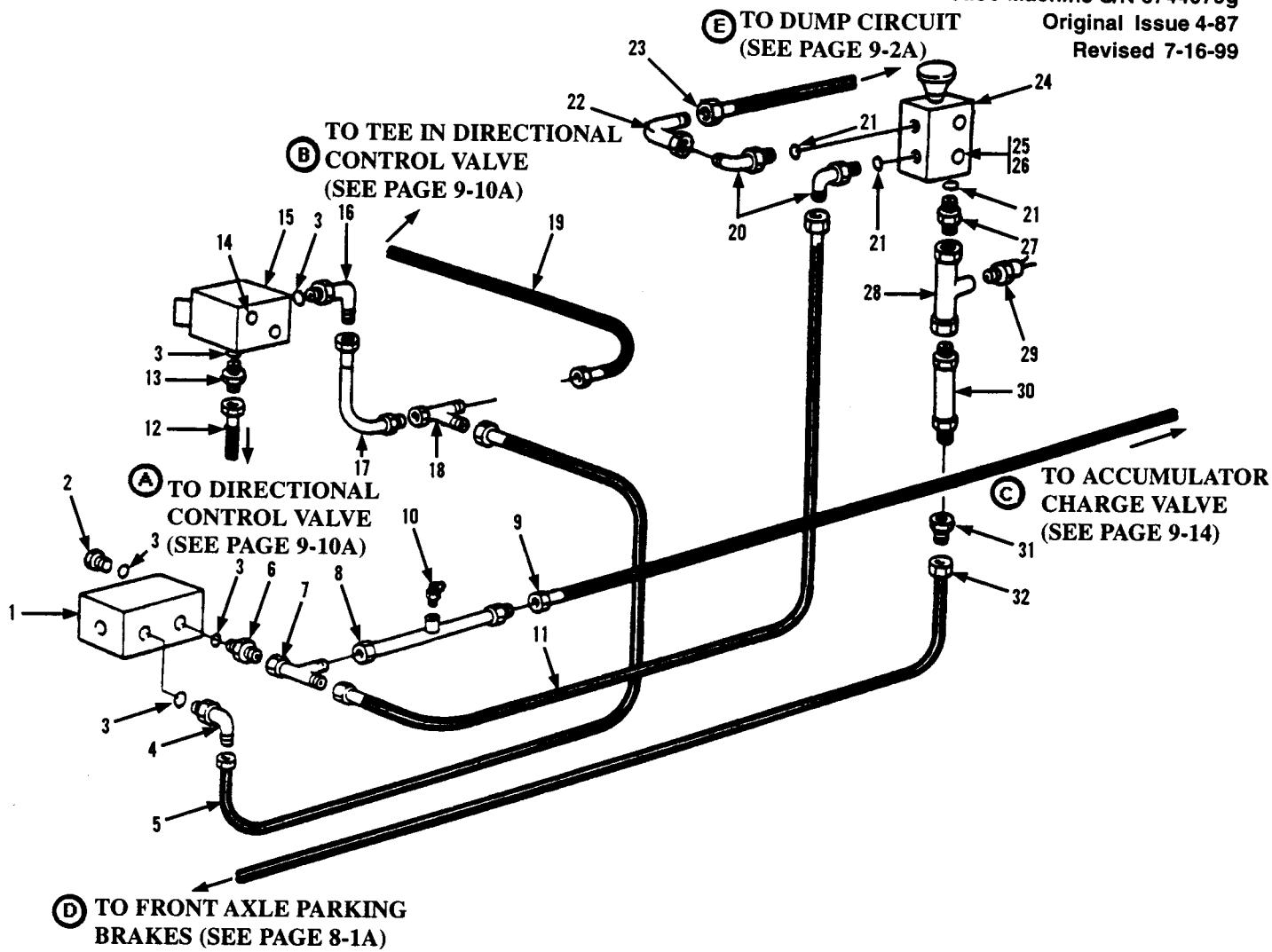
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Item	Part No.	Qty.	Description Of Part
1	9103-5090	1	VALVE ASSY (consists of items 1 thru 6)
2	9103-3144	1	VALVE
2	8866-2067	1	ELBOW - 90 DEGREES (includes o-ring)
3	8859-1207	1	O-RING
3	8866-2085	1	ELBOW - 45 DEGREES (includes o-ring)
4	8859-1205	1	O-RING
4	8866-2060	1	ELBOW - 90 DEGREES (includes o-ring)
5	8859-1206	1	O-RING
5	8866-2065	2	ELBOW - 90 DEGREES (includes o-ring)
6	8859-1205	2	O-RING
6	8866-2036	1	CONNECTOR (includes o-ring)
7	8859-1205	1	O-RING
7	9103-3141	1	TUBE ASSY

Item	Part No.	Qty.	Description Of Part
8	9103-3140	2	TUBE ASSY
9	9103-3198	1	TUBE ASSY
10	8471-7477	2	HOSE ASSY
11	8471-7477	1	HOSE ASSY
12	8471-7477	1	HOSE ASSY
13	8471-7473	1	HOSE ASSY
14	8866-2061	1	ELBOW - 90 DEGREES (includes o-ring)
	8859-1209	1	O-RING
15	9103-3168	1	MAIN HYDRAULIC VALVE
16	8471-7474	1	HOSE ASSY
17	9103-3142	1	TUBE ASSY
18	9103-5091	AR	RETROFIT KIT (S/N 8544556 thru 8544615)
19	9103-5092	AR	RETROFIT KIT (S/N 8544519, 8544612, & 8544616 thru 8544624)
20	9103-4097	2	PLASTIC KNOB (brass insert)

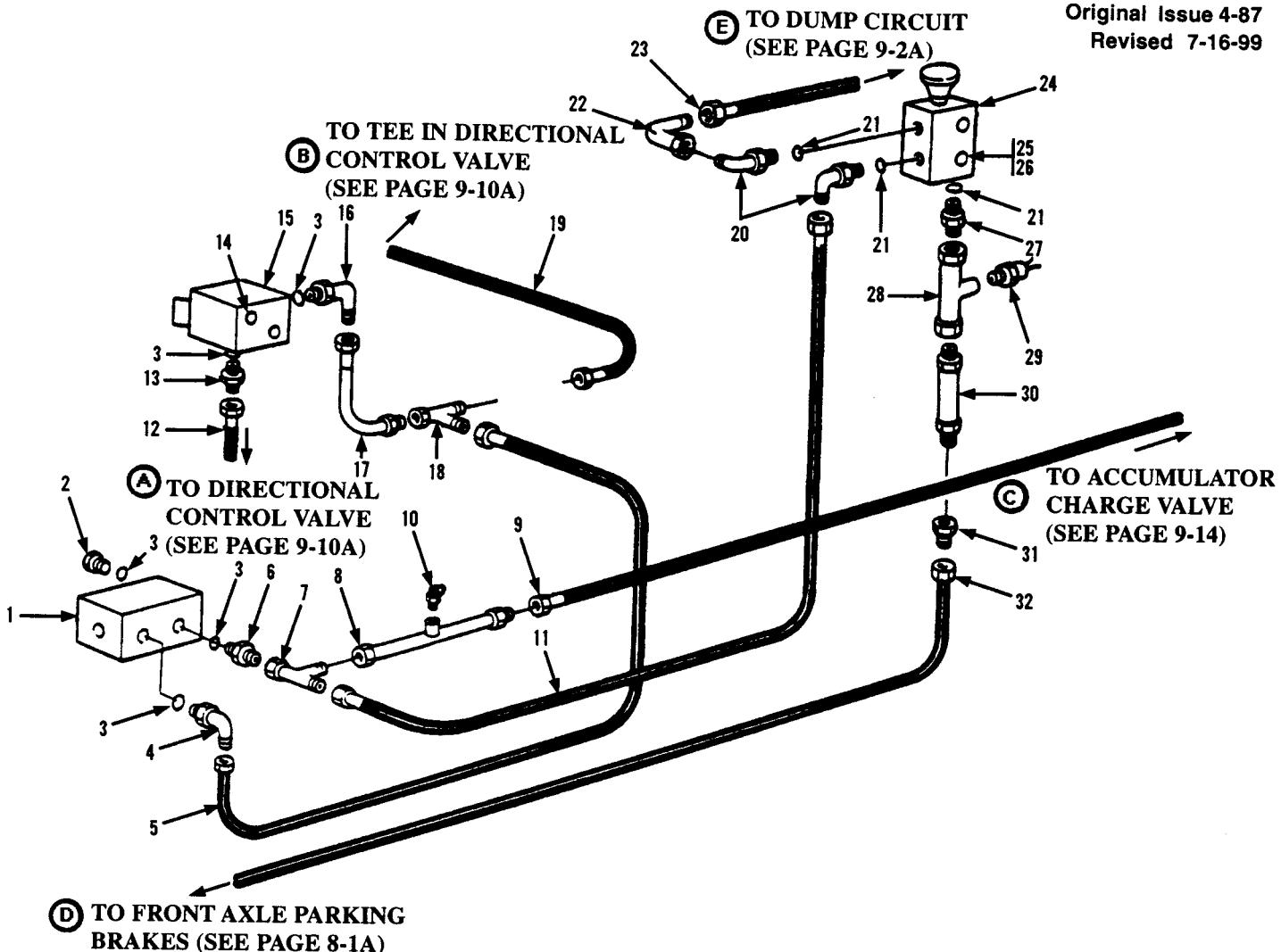


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
* 1		Ref	OUTRIGGER CYLINDER ASSY, (see page 13-11 for details)	21	8859-1207	1	O-RING
2	9103-3201	2	ORIFICE CHECK	22	7713-3390	2	SAFETY CLIP
* 3	8866-2085	8	ELBOW, 45 DEGREES, (includes item 4)	23	7713-3389	2	STACK BOLT
* 4	8859-1205	8	O-RING	*24	Ref	Ref	MAIN CONTROL VALVE ASSY, (see page 10-27 for details)
5	8471-7527	2	HOSE ASSY	25	8871-1284	1	HEX SOCKET PIPE PLUG, 3/4
6	8471-7528	2	HOSE ASSY	26	8859-1209	1	O-RING
7	9002-7187	4	NYLON CLAMP	27	8866-2061	1	ELBOW, 90 DEGREES, (includes item 26)
* 8	7716-3168	6	CLAMP SET	28	8471-7474	1	HOSE ASSY
* 9	7713-3140	4	COVER PLATE	29	8471-7479	2	HOSE ASSY
*10	7713-3177	4	HEX HD CAPSCREW	*30	9102-3006	1	STABILIZER DECAL
11	9103-3141	1	TUBE ASSY	*31	8820-1037	4	HEX HD CAPSCREW, 3/8-16X1-1/2, GR5
12	9103-3198	1	TUBE ASSY	*32	Ref	Ref	OUTRIGGER VALVE ASSY, (see page 10-23 for details)
13	7713-3499	2	HEX HD CAPSCREW	*33	8855-1011	4	LOCKWASHER, 3/8
14	7713-3498	1	COVER PLATE	*34	8850-1006	4	HEX NUT, 3/8-16
15	9103-3138	2	CLAMP	35	8471-7473	1	HOSE ASSY
16	9103-3199	1	SAFETY PLATE	36	8866-2060	1	ELBOW, 90 DEGREES, (includes item 37)
17	9103-3200	2	STACKING BOLT	37	8859-1206	1	O-RING
18	9103-3140	2	TUBE ASSY	38	8471-7477	2	HOSE ASSY
*19		Ref	DUAL P.O. CHECK VALVE, (see page 10-24 for details)				
*20	8866-2067	1	ELBOW, 90 DEGREES, (includes item 21)				



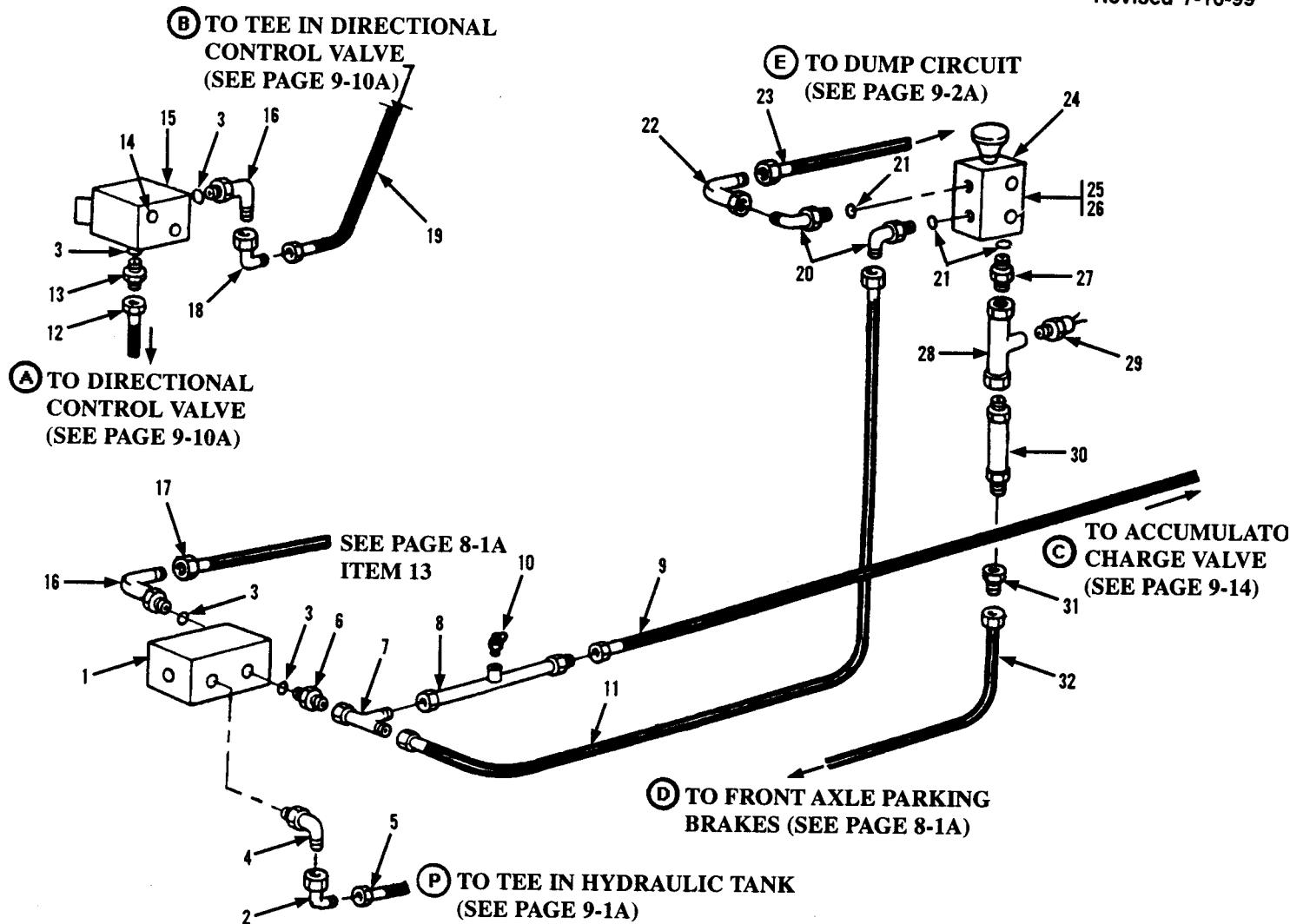
Item	Part No.	Qty.	Description Of Part
1		Ref	BRAKE VALVE ASSY (see page 10-21 for details)
2	8866-2174	1	HEX HD PLUG (includes item 3)
3	8859-1204	5	O-RING
4	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)
5	7713-3447	1	HOSE ASSY
6	8866-2005	1	CONNECTOR (includes item 3)
7	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
8	9104-3163	1	TUBE ASSY
9	Ref		HOSE ASSY (see page 9-14 for details)
10	7713-3089	1	MINI-CHECK COUPLING
11	8471-7508	1	HOSE ASSY
12	7713-3342	1	HOSE ASSY
13	8866-2005	1	CONNECTOR (includes item 3)
14	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1-1/4, GR8
15	9103-3096	1	INCHING VALVE ASSY
	9103-4018	1	VALVE SEAL KIT
16	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)

Item	Part No.	Qty.	Description Of Part
17	9103-3130	1	TUBE ASSY
18	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
19	8471-7466	1	HOSE ASSY
20	8866-2065	2	ELBOW - 90 DEGREES (includes item 21)
21	8859-1205	3	O-RING
22	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
23	7713-3167	1	HOSE ASSY
24	Ref		PARK BRAKE VALVE (see page 10-22 for details)
25	8826-1021	2	SOCKET BUTTON HD CAPSCREW, 5/16-18X5/8
26	8855-1010	2	LOCKWASHER, 5/16
27	8866-2018	1	CONNECTOR (includes item 21)
28	9104-3131	1	TUBE ASSY
29	9104-3077	1	PRESSURE SWITCH
30	9104-3143	1	CHECK VALVE
31	8866-1342	1	TUBE END REDUCER, 1/2X3/8
32	Ref		HOSE ASSY (see page 8-1B for details)



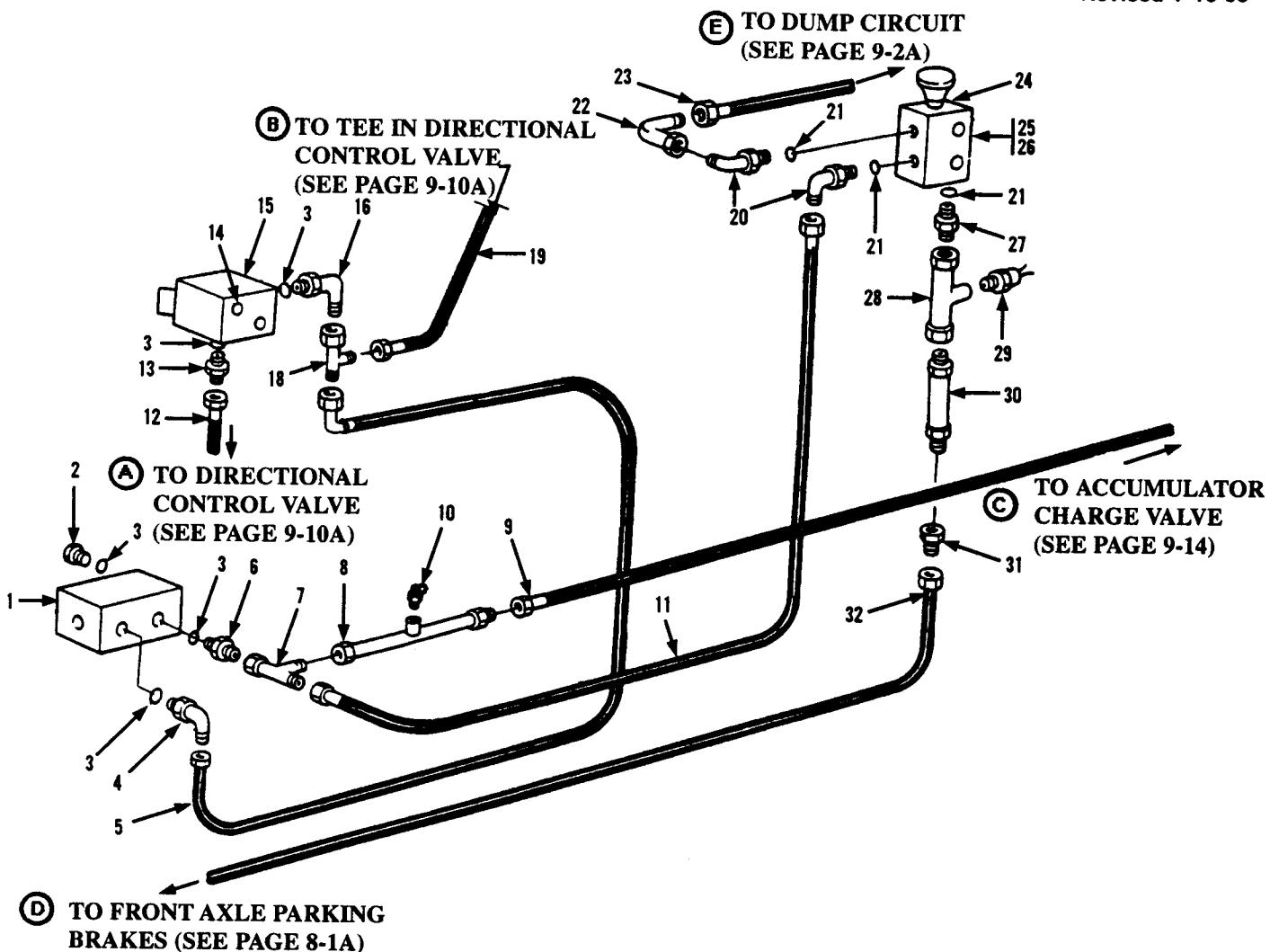
Item	Part No.	Qty.	Description Of Part
1		Ref	BRAKE VALVE ASSY (see page 10-21 for details)
2	8866-2174	1	HEX HD PLUG (includes item 3)
3	8859-1204	5	O-RING
4	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)
5	9020-7411	1	HOSE ASSY
6	8866-2005	1	CONNECTOR (includes item 3)
7	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
8	9104-3163	1	TUBE ASSY
9	9103-3096	Ref	HOSE ASSY (see page 9-14 for details)
10	7713-3089	1	MINI-CHECK COUPLING
11	8471-7508	1	HOSE ASSY
12	7713-3342	1	HOSE ASSY
13	8866-2005	1	CONNECTOR (includes item 3)
14	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1-1/4, GR8
15	9103-3096	1	INCHING VALVE ASSY
16	9103-4018	1	VALVE SEAL KIT
17	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)

Item	Part No.	Qty.	Description Of Part
17	9103-3130	1	TUBE ASSY
18	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
19	8471-7466	1	HOSE ASSY
20	8866-2065	2	ELBOW - 90 DEGREES (includes item 21)
21	8859-1205	3	O-RING
22	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
23	7713-3167	1	HOSE ASSY
24	Ref	Ref	PARK BRAKE VALVE (see page 10-22 for details)
25	8826-1021	2	SOCKET BUTTON HD CAPSCREW, 5/16-18X5/8
26	8855-1010	2	LOCKWASHER, 5/16
27	8866-2018	1	CONNECTOR (includes item 21)
28	9104-3131	1	TUBE ASSY
29	9104-3077	1	PRESSURE SWITCH
30	9104-3143	1	CHECK VALVE
31	8866-1342	1	TUBE END REDUCER, 1/2X3/8
32	Ref	Ref	HOSE ASSY (see page 8-1B for details)



Item	Part No.	Qty.	Description Of Part
1	9103-3307	Ref	BRAKE VALVE ASSY (see page 10-21 for details)
2	8866-2106	1	ELBOW - 90 DEGREES (swivel nut)
3	8859-1204	5	O-RING
4	7713-1088	1	ELBOW - 90 DEGREES
5	9020-7842	1	HOSE ASSY
6	8866-2005	1	CONNECTOR (includes item 3)
7	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
8	9104-3163	1	TUBE ASSY
9	8471-7561	1	HOSE ASSY (see page 9-14)
10	7710-3089	1	MINI-CHECK COUPLING
11	8471-7508	1	HOSE ASSY
12	7713-3342	1	HOSE ASSY
13	8866-2005	1	CONNECTOR (includes item 3)
14	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1-1/4, GR8
15	9103-3096	1	INCHING VALVE ASSY
9103-4018	AR		VALVE SEAL KIT
16	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)

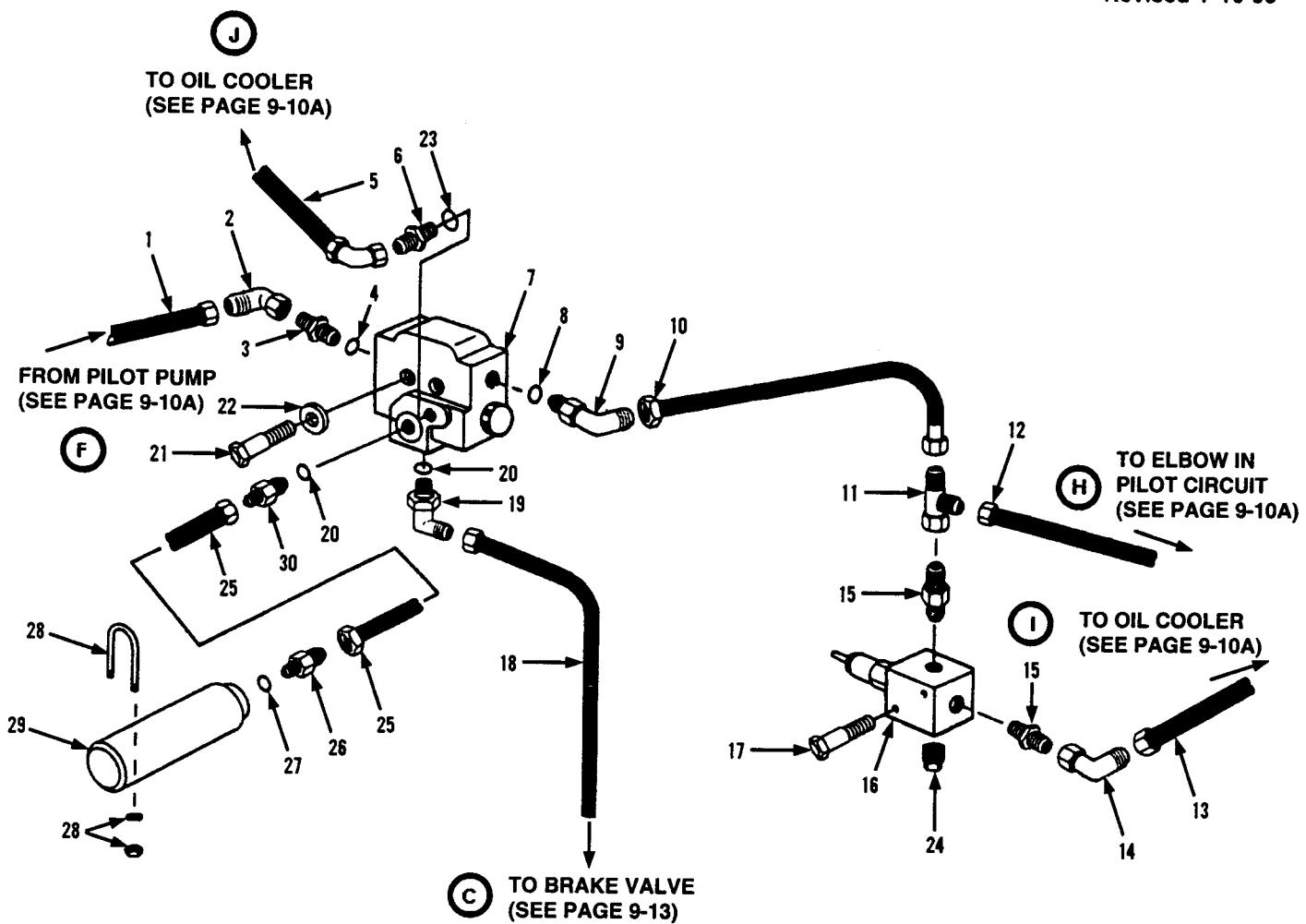
Item	Part No.	Qty.	Description Of Part
17	8471-7523	1	HOSE ASSY
18	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
19	8471-7466	1	HOSE ASSY
20	8866-2065	2	ELBOW - 90 DEGREES (includes item 21)
21	8859-1205	3	O-RING
22	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
23	7713-3167	1	HOSE ASSY
24	9104-3090	Ref	PARK BRAKE VALVE (see page 10-22 for details)
25	8826-1021	2	SOCKET BUTTON HD CAPSCREW, 5/16-18X5/8
26	8855-1010	2	LOCKWASHER, 5/16
27	8866-2018	1	CONNECTOR (includes item 21)
28	9104-3131	1	TUBE ASSY
29	9104-3077	1	PRESSURE SWITCH
30	9104-3143	1	CHECK VALVE
31	8866-1342	1	TUBE END REDUCER, 1/2X3/8
32	8471-7522	Ref	HOSE ASSY (see page 8-1A for details)



D TO FRONT AXLE PARKING BRAKES (SEE PAGE 8-1A)

Item	Part No.	Qty.	Description Of Part
1	9103-3307	Ref	BRAKE VALVE ASSY (see page 10-21 for details)
2	8866-2174	1	HEX HD PLUG (includes item 3)
3	8859-1204	5	O-RING
4	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)
5	9020-7411	1	HOSE ASSY
6	8866-2005	1	CONNECTOR (includes item 3)
7	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
8	9104-3163	1	TUBE ASSY
9	Ref		HOSE ASSY (see page 9-14 for details)
10	7713-3089	1	MINI-CHECK COUPLING
11	8471-7508	1	HOSE ASSY
12	7713-3342	1	HOSE ASSY
13	8866-2005	1	CONNECTOR (includes item 3)
14	8821-2228	2	SOCKET HD CAPSCREW, 5/16-18X1-1/4, GR8
15	9103-3096	1	INCHING VALVE ASSY
9103-4018	1		VALVE SEAL KIT
16	8866-2064	1	ELBOW - 90 DEGREES (includes item 3)

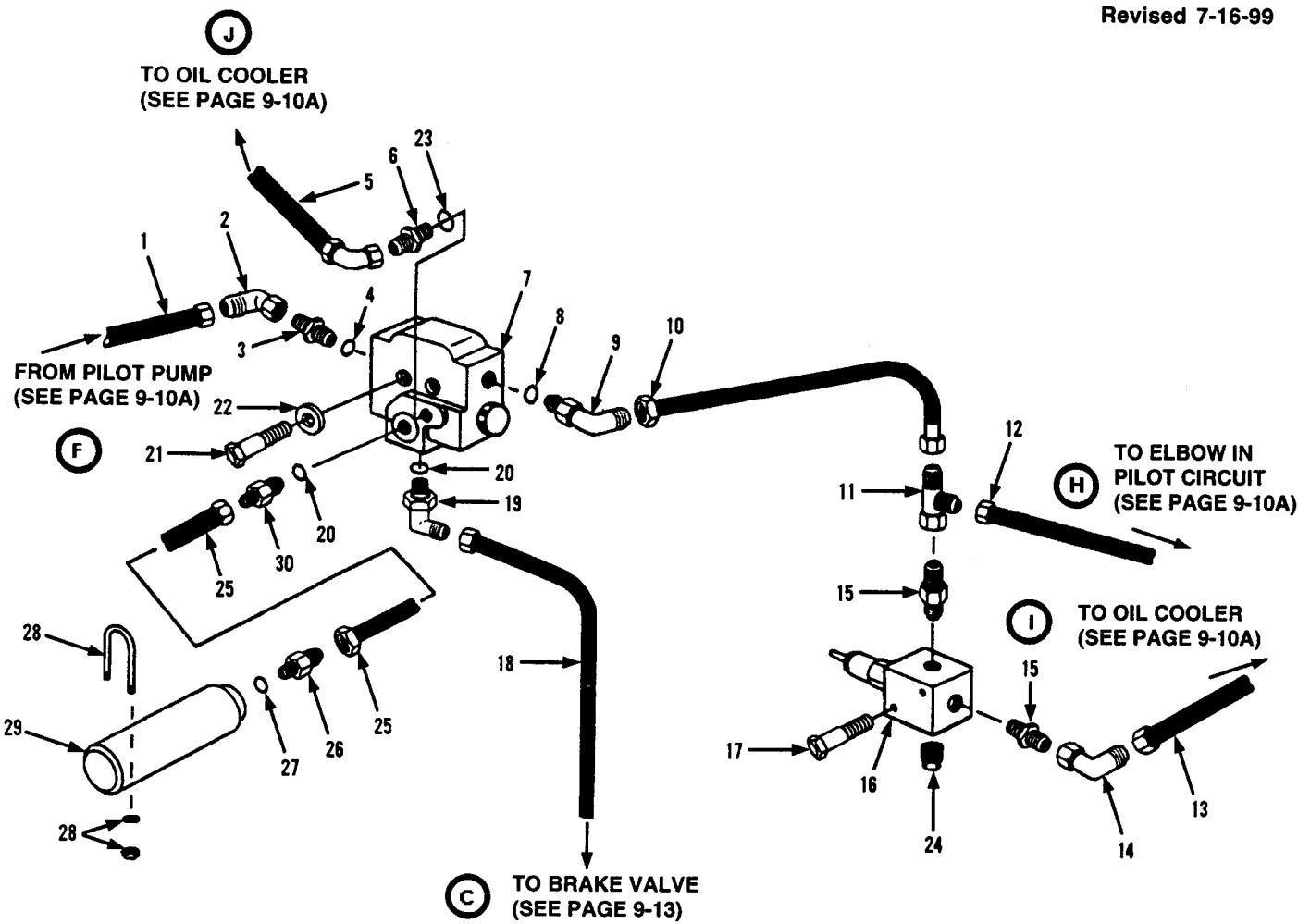
Item	Part No.	Qty.	Description Of Part
17	9103-3130	1	TUBE ASSY
18	8866-2239	1	SWIVEL NUT RUN TEE, 3/8 TUBE
19	8471-7466	1	HOSE ASSY
20	8866-2065	2	ELBOW - 90 DEGREES (includes item 21)
21	8859-1205	3	O-RING
22	8866-2105	1	ELBOW - 90 DEGREES (swivel nut)
23	7713-3167	1	HOSE ASSY
24	9104-3090	Ref	PARK BRAKE VALVE (see page 10-22 for details)
25	8826-1021	2	SOCKET BUTTON HD CAPSCREW, 5/16-18X5/8
26	8855-1010	2	LOCKWASHER, 5/16
27	8866-2018	1	CONNECTOR (includes item 21)
28	9104-3131	1	TUBE ASSY
29	9104-3077	1	PRESSURE SWITCH
30	9104-3143	1	CHECK VALVE
31	8866-1342	1	TUBE END REDUCER, 1/2X3/8
32		Ref	HOSE ASSY (see page 8-1B for details)



Item	Part No.	Qty.	Description Of Part
1	8471-6251	1	HOSE ASSY
2	8866-2108	1	ELBOW, 90 DEGREES (swivel nut)
3	8866-2023	1	CONNECTOR (includes item #4)
* 4	8859-1205	2	O-RING
5	8471-7638	1	HOSE ASSY
6	8866-2003	1	CONNECTOR (includes item #23)
7	Ref		ACCUMULATOR CHARGE VALVE (see page 10-20 for details)
* 8	8859-1205	1	O-RING
* 9	8866-2085	1	ELBOW, 45 DEGREES (includes item #8)
10	9020-7360	1	HOSE ASSY
*11	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
12	8471-7517	1	HOSE ASSY
13	8471-7518	1	HOSE ASSY
14	8866-2120	1	ELBOW, 45 DEGREES (swivel nut)
15	8874-3003	2	MALE ADAPTER, 3/8 X 1/2 TUBE
16	9103-3128	1	RELIEF VALVE ASSY

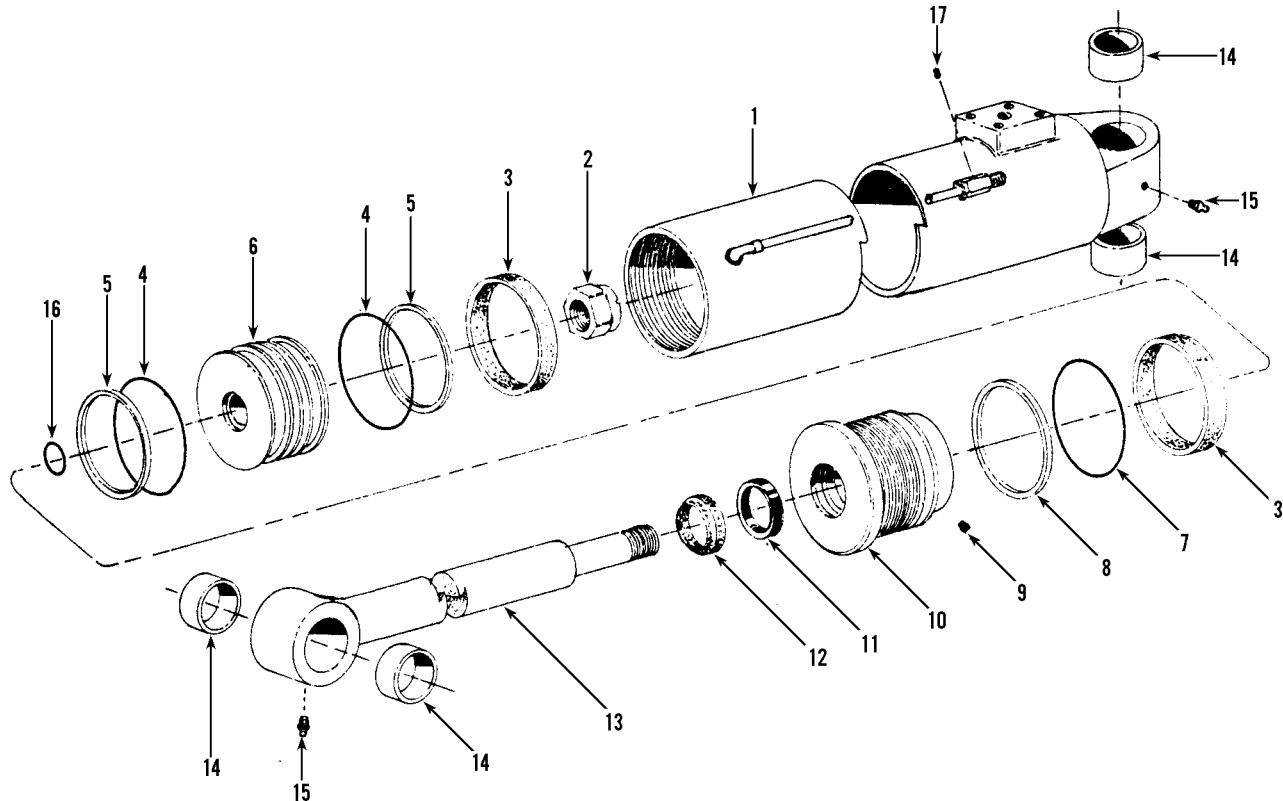
Item	Part No.	Qty.	Description Of Part
17	8820-1009	2	HEX HD CAPSCREW, 1/4-20 X 2, GR5
18	8471-7561	1	HOSE ASSY
19	8866-2065	1	ELBOW, 90 DEGREES (includes item #20)
20	8859-1205	1	O-RING
21	8821-1046	2	SOCKET HD CAPSCREW, 1/4-20x2, GR8
22	8855-1105	2	LOCK WASHER, 1/4 (hi-collar)
23	8859-1202	1	O-RING
24	8871-1282	1	SOCKET HD PIPE PLUG, 3/8
25	8471-7610	1	HOSE ASSY
26	8866-2020	1	CONNECTOR (includes item #27)
27	8859-1207	1	O-RING
28	8368-3175	2	CLAMP
29	9105-3380	1	ACCUMULATOR
* 30	9105-4003	1	ACCUMULATOR (uncharged)
	8866-2006	1	CONNECTOR (includes item #4)

* Revised page numbers in this section



Item	Part No.	Qty.	Description Of Part
1	8471-6251	1	HOSE ASSY
2	8866-2108	1	ELBOW, 90 DEGREES (swivel nut)
3	8866-2023	1	CONNECTOR (includes item #4)
* 4	8859-1205	2	O-RING
5	8471-7638	1	HOSE ASSY
6	8866-2003	1	CONNECTOR (includes item #23)
7		Ref	ACCUMULATOR CHARGE VALVE (see page 10-20 for details)
* 8	8859-1205	1	O-RING
* 9	8866-2085	1	ELBOW, 45 DEGREES (includes item #8)
10	9020-7360	1	HOSE ASSY
*11	8866-2240	1	SWIVEL NUT RUN TEE, 1/2 TUBE
12	8471-7517	1	HOSE ASSY
13	8471-7518	1	HOSE ASSY
14	8866-2120	1	ELBOW, 45 DEGREES (swivel nut)
15	8874-3003	2	MALE ADAPTER, 3/8 X 1/2 TUBE
16	9103-3128	1	RELIEF VALVE ASSY

Item	Part No.	Qty.	Description Of Part
17	8820-1009	2	HEX HD CAPSCREW, 1/4-20 X 2, GR5
18	8471-7561	1	HOSE ASSY
19	8866-2065	1	ELBOW, 90 DEGREES (includes item #20)
20	8859-1205	1	O-RING
21	8821-1046	2	SOCKET HD CAPSCREW, 1/4-20x2, GR8
22	8855-1105	2	LOCK WASHER, 1/4 (hi-collar)
23	8859-1202	1	O-RING
24	8871-1282	1	SOCKET HD PIPE PLUG, 3/8
25	8471-7610	1	HOSE ASSY
26	8866-2020	1	CONNECTOR (includes item #27)
27	8859-1207	1	O-RING
28	8368-3175	2	CLAMP
29	9105-3380	1	ACCUMULATOR
* 30	9105-4003	1	ACCUMULATOR (uncharged)
	8866-2006	1	CONNECTOR (includes item #4)



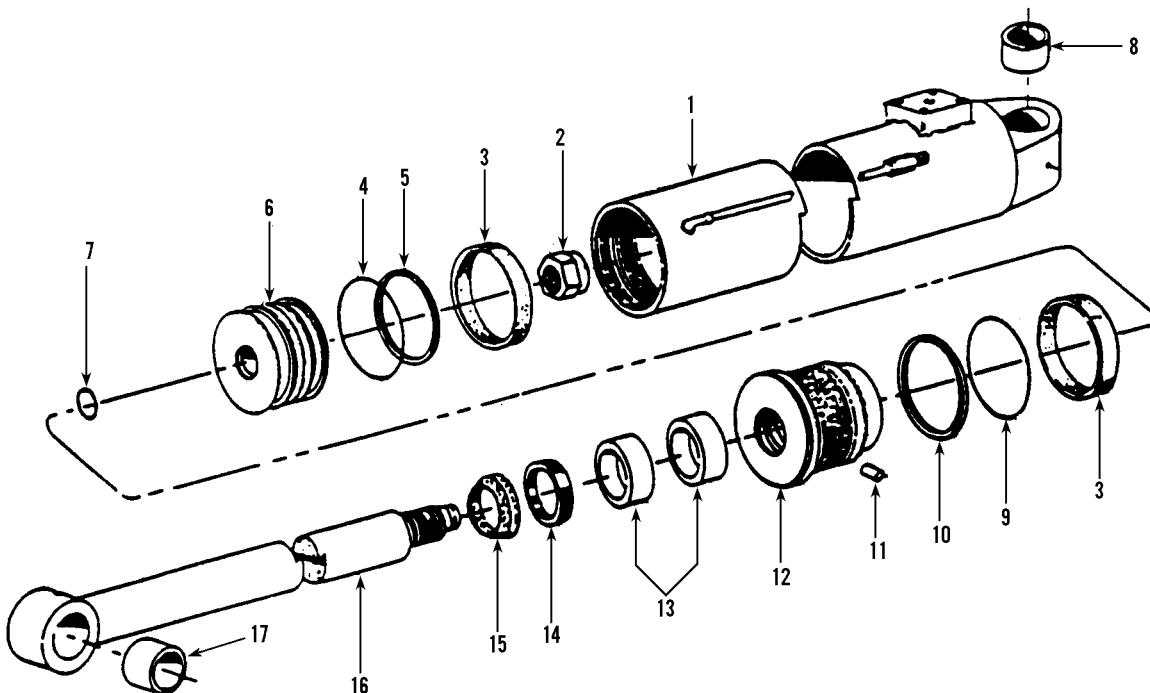
6000# Units

Item	Part No.	Qty.	Description Of Part
-	9080-1333	2	CYLINDER, LIFT
1	9020-7962	1	-BARREL
2	9002-7961	1	-NUT
3	9020-7960	2	-RING, WEAR
4	9020-7958	2	-O-RING, PISTON
5	9020-7957	2	-SEAL, PISTON
6	9020-7959	1	-PISTON
7	9020-7963	1	-O-RING
8	9020-7964	1	-RING, BACKUP
* 9	9104-4084	1	-SCREW, SET
10	9020-7965	1	-BEARING, ROD
11	9020-7966	1	-SEAL, ROD
12	9020-7967	1	-WIPER
13	9020-7968	1	-ROD, PISTON
14	9020-5414	2	-BUSHING
15	9002-2217	2	-FITTING, GREASE
16	9002-3222	1	-O-RING, PISTON ROD
17	9020-7970	1	-PLUG, PIPE
	9020-7956	AR	KIT, SEAL

8000# Units

Item	Part No.	Qty.	Description Of Part
-	9080-1180	2	CYLINDER, LIFT
1	9020-6978	1	-BARREL
2	9002-2232	1	-NUT, 1-1/2" NC, (self locking)
3	9002-2260	2	-RING, WEAR
4	9002-3157	2	-O-RING SEAL
5	9002-2240	2	-SEAL, PISTON
6	9040-0393	1	-PISTON
7	9002-3349	1	-O-RING
8	9002-5349	1	-RING, BACKUP
9	9020-6042	1	-PLUG, NYLON
10	9040-0074	1	-BEARING, ROD
11	9002-2250	1	-SEAL, ROD
12	9002-2280	1	-WIPER
13	9020-6979	1	-ROD, PISTON
14	9020-5414	4	-BUSHING
15	9002-2217	2	-FITTING, GREASE
16	9002-3128	1	-O-RING, PISTON
	9020-7953	AR	KIT, SEAL

* Changed part number on item 9.



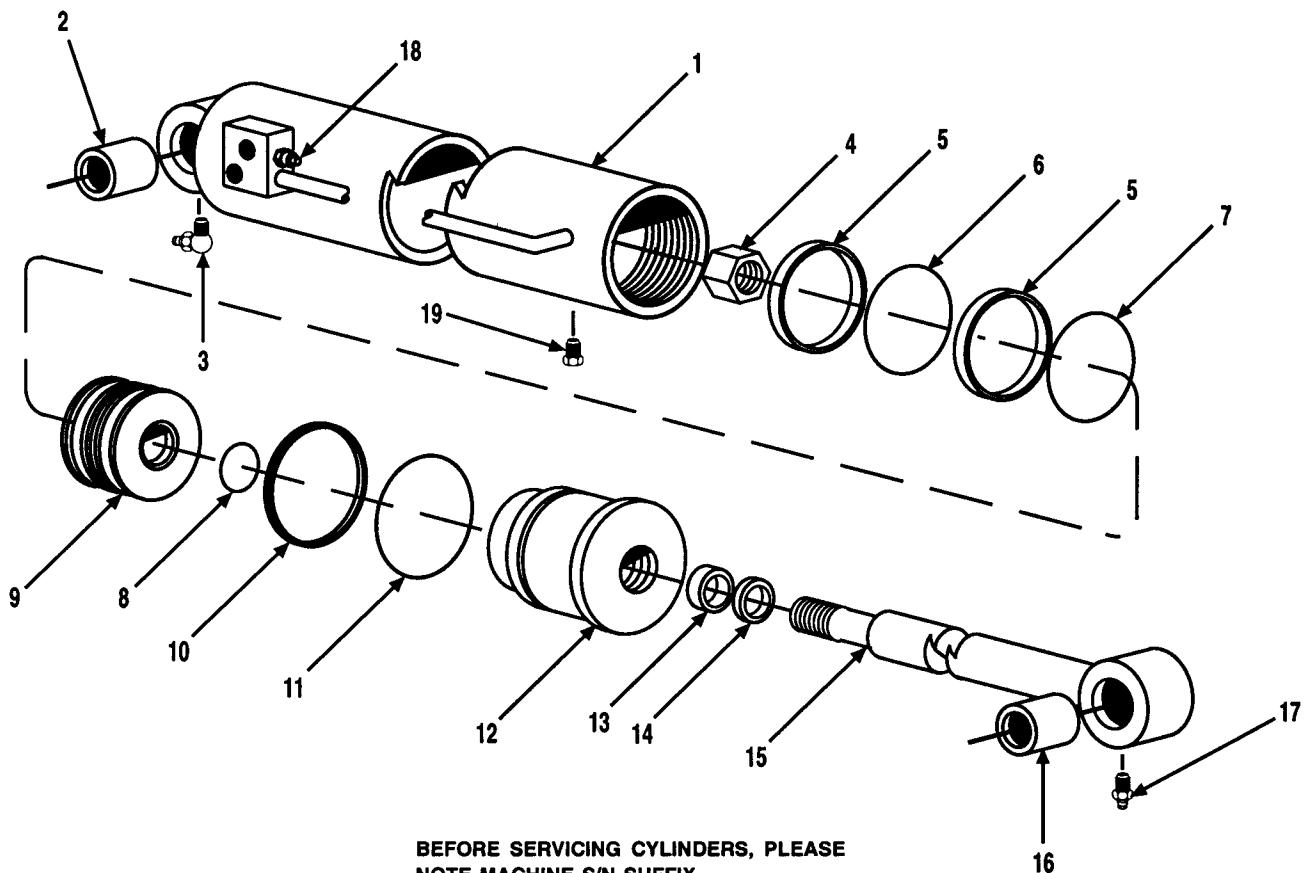
BEFORE SERVICING CYLINDERS, PLEASE
 NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part
	9103-3286	2	LIFT CYLINDER ASSY, (includes all items)
	9103-4140	1	SEAL KIT, (includes items 3, 4, 5, 7, 9, 10, 11, 13, 14 & 15)
1	9103-4138	1	CASE ASSY, (includes item 8)
2	9103-4153	1	HEX LOCKNUT, (lubricate and torque to 1200 ft.lbs.)
3		2	WEAR RING
4		1	O-RING
5		1	PISTON SEAL
6	9103-4139	1	PISTON
7		1	O-RING
8	9103-4154	1	BUSHING
9		1	O-RING
10		1	BACK UP RING
11		1	NYLON PLUG
12	9103-4136	1	HEAD
13		2	WEAR RING
14		1	U-CUP
15		1	WIPER
16	9103-4137	1	SHAFT ASSY, (includes item 17)
*17	9140-4352	1	BUSHING
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



BEFORE SERVICING CYLINDERS, PLEASE

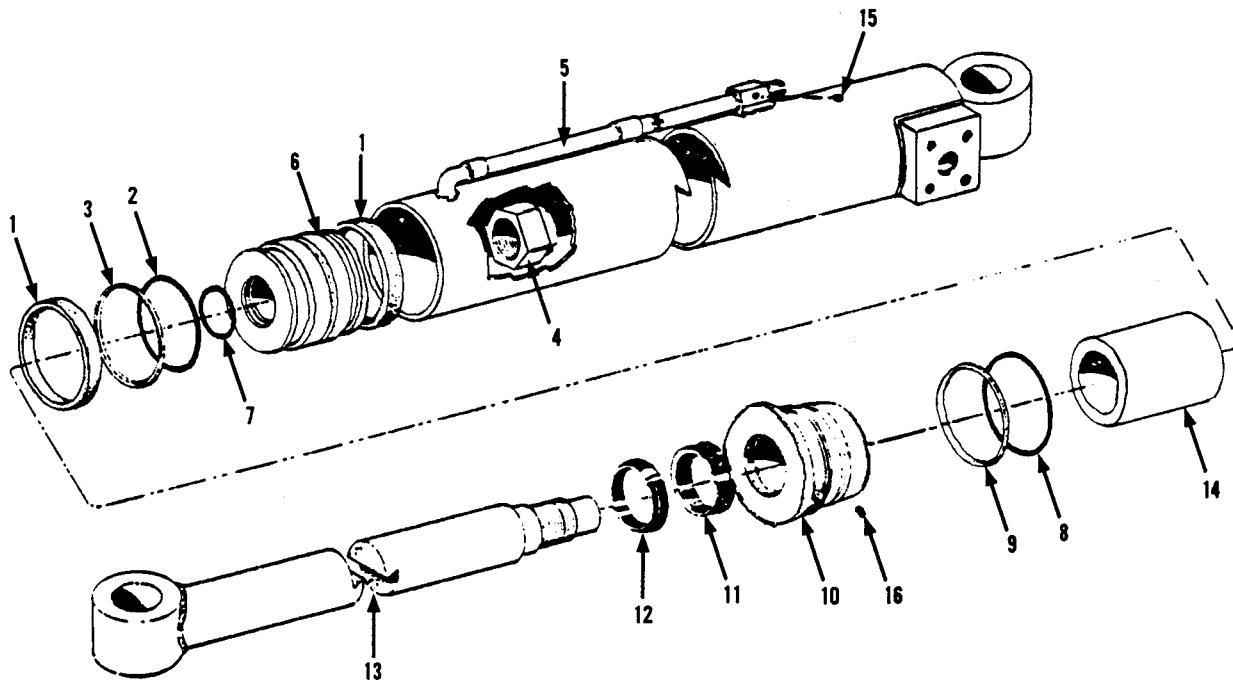
NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

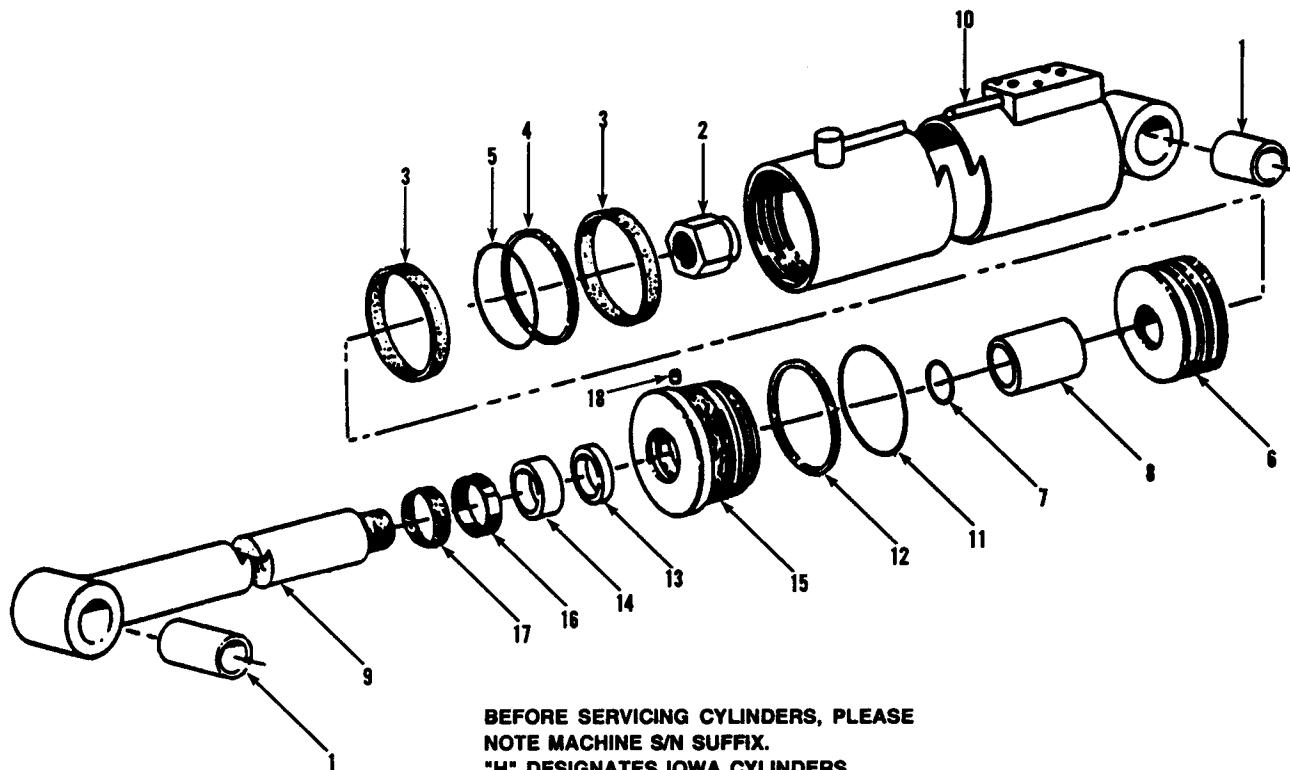
"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-3370	2	LIFT CYLINDER ASSY, 6000 lbs., (includes all items)		9103-3371	2	LIFT CYLINDER ASSY, 8000 lbs., (includes all items)
	9103-4284	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13 & 14)		9103-4278	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13 & 14)
1	9103-4285	1	TUBE ASSY, (includes item 2)	1	9103-4279	1	TUBE ASSY, (includes item 2)
2	9108-4176	1	BUSHING	2	9108-4176	1	BUSHING
3	9103-4438	1	LUBE FITTING, 90 DEGREES, 1/4-28	3	8867-1027	1	LUBE FITTING, 90 DEGREES, 1/4-28
4	9103-4286	1	LOCKNUT, (torque to 1100 ft.lbs.)	4	9103-4280	1	LOCKNUT, (torque to 1100 ft.lbs.)
5		2	WEAR RING	5		2	WEAR RING
6		1	SEAL	6		1	SEAL
7		1	O-RING	7		1	O-RING
8		1	O-RING	8		1	O-RING
9	9103-4287	1	PISTON	9	9103-4281	1	PISTON
10		1	BACKUP RING	10		1	BACKUP RING
11		1	O-RING	11		1	O-RING
12	9103-4439	1	GLAND	12	9103-4282	1	GLAND
13		1	SEAL	13		1	SEAL
14		1	WIPER	14		1	WIPER
15	9103-4440	1	ROD ASSY, (includes item 16)	15	9103-4283	1	ROD ASSY, (includes item 16)
16	9104-4370	1	BUSHING	16	9104-4370	1	BUSHING
17	9108-4343	1	LUBE FITTING, STRAIGHT, 1/4-28	17	8867-1033	1	LUBE FITTING, STRAIGHT, 1/4-28
18	9103-4308	1	COUNTERBALANCE VALVE	18	9103-3430	1	COUNTERBALANCE VALVE
			NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.	19	9103-4332	1	SET SCREW
							NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.

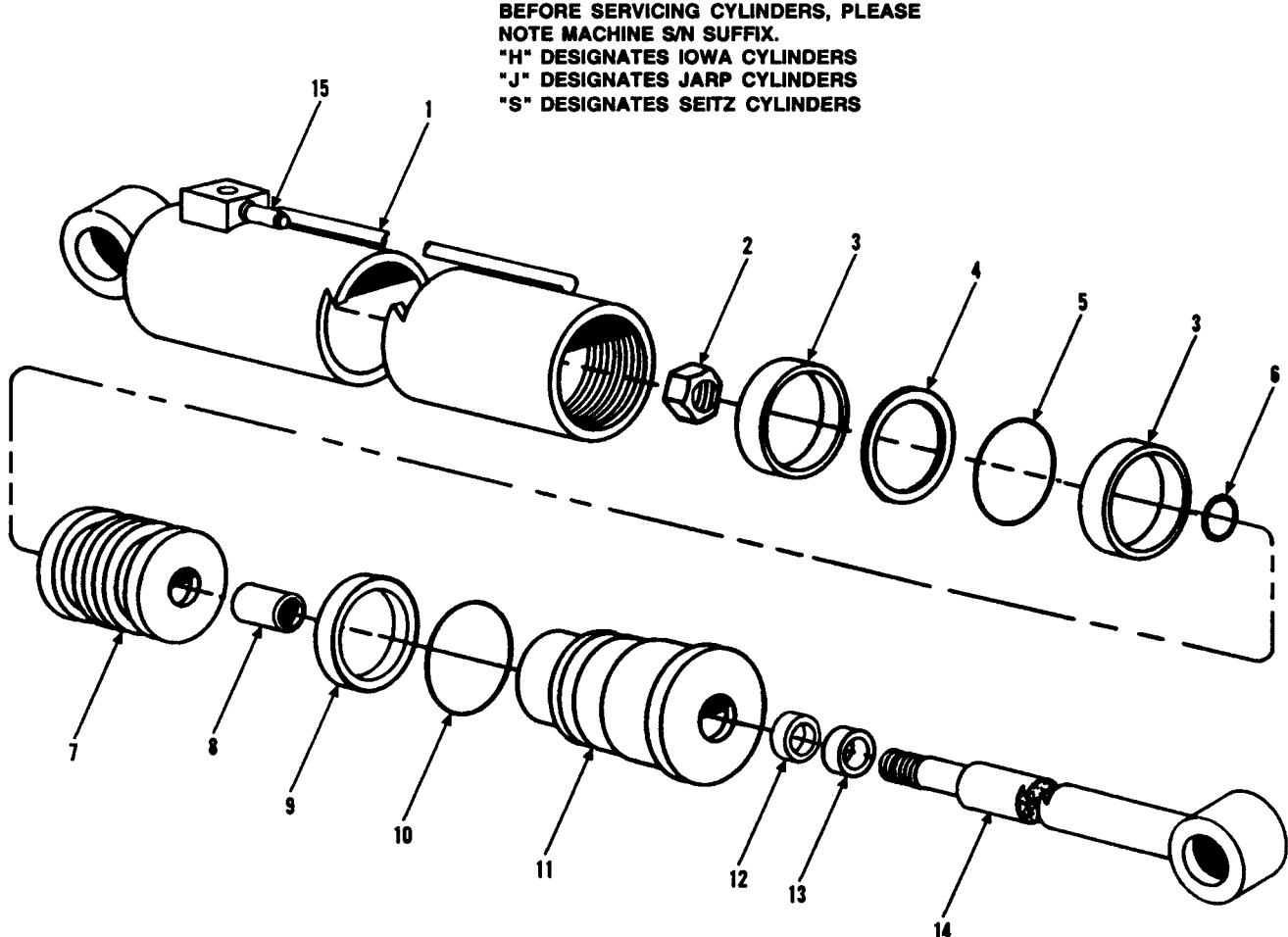


Item	Part No.	Qty.	Description Of Part
* -	9020-8023	1	SEAL KIT (includes 1,2,3,7,8,9,11,& 12)
-	9080-1293	1	CROWD CYLINDER
1	9002-2295	2	- WEAR RING
2	9002-3153	1	- O-RING
3	9020-6799	1	- PISTON SEAL
4	9002-2232	1	- NUT
5	9060-2804	1	- BARREL
6	9020-6795	1	- PISTON
7	9002-3128	1	- O-RING, PISTON ROD
8	9002-3342	1	- O-RING, ROD BEARING
9	9002-4342	1	- BACK-UP RING
10	9020-6794	1	- ROD BEARING
11	9020-7986	1	- ROD SEAL
12	9020-6798	1	- WIPER RING
13	9060-2805	1	- PISTON ROD
14	9020-6796	1	- SPACER
15	9002-2217	1	- PIPE PLUG
16	9020-6042	1	- NYLON PLUG

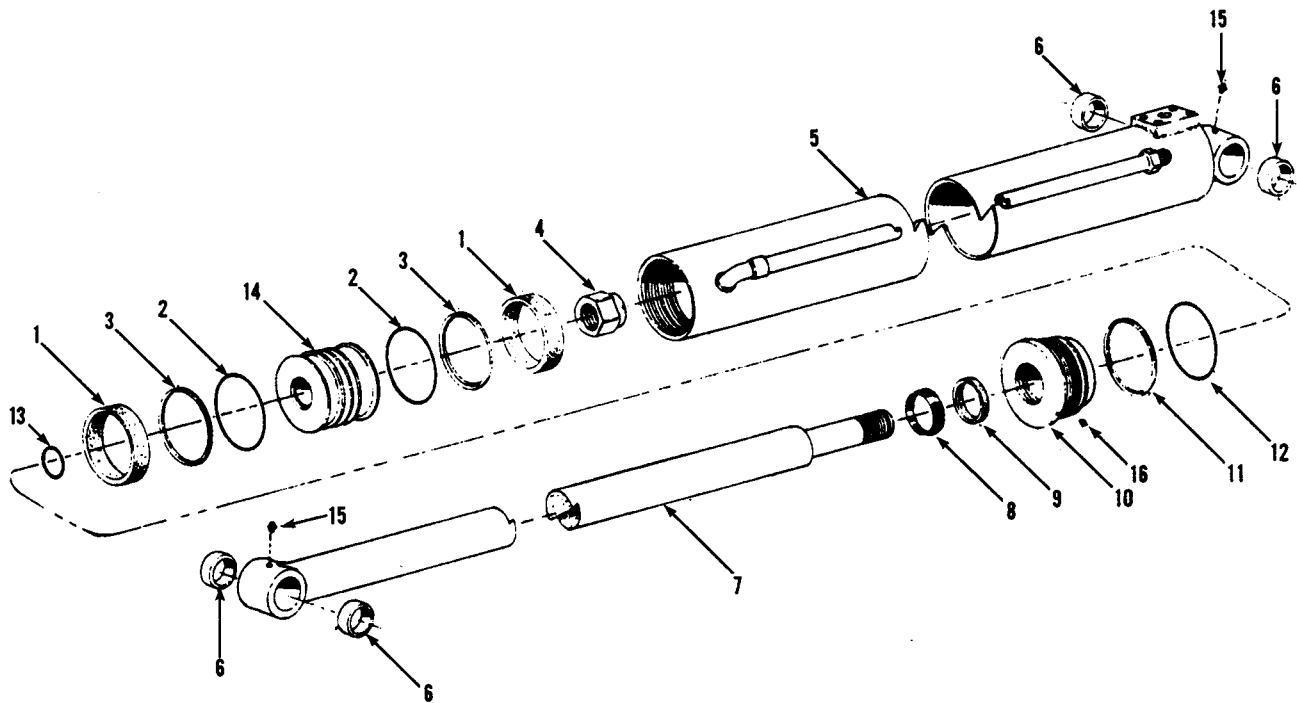


BEFORE SERVICING CYLINDERS, PLEASE
NOTE MACHINE S/N SUFFIX.
"H" DESIGNATES IOWA CYLINDERS
"J" DESIGNATES JARP CYLINDERS
"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part
	9103-3290	1	CROWD CYLINDER ASSY, (includes all items)
	9103-4223	1	SEAL KIT, (includes items 3, 4, 5, 7, 11, 12, 13, 14, 16, 17 & 18)
1	9103-4218	2	BUSHING
2	9106-4017	1	LOCKNUT
3		2	WEAR RING
4		1	PISTON SEAL
5		1	O-RING
6	9104-4274	1	PISTON
7		1	O-RING
8	9103-4219	1	STROKE LIMITER
9	9103-4220	1	SHAFT ASSY, (includes item 1)
10	9103-4221	1	CASE ASSY, (includes item 1)
11		1	O-RING
12		1	BACKUP RING
13		1	WEAR RING
14		1	WEAR RING
15	9103-4222	1	CYLINDER HEAD
16		1	U-CUP
17		1	WIPER RING
18		1	NYLON PLUG
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			

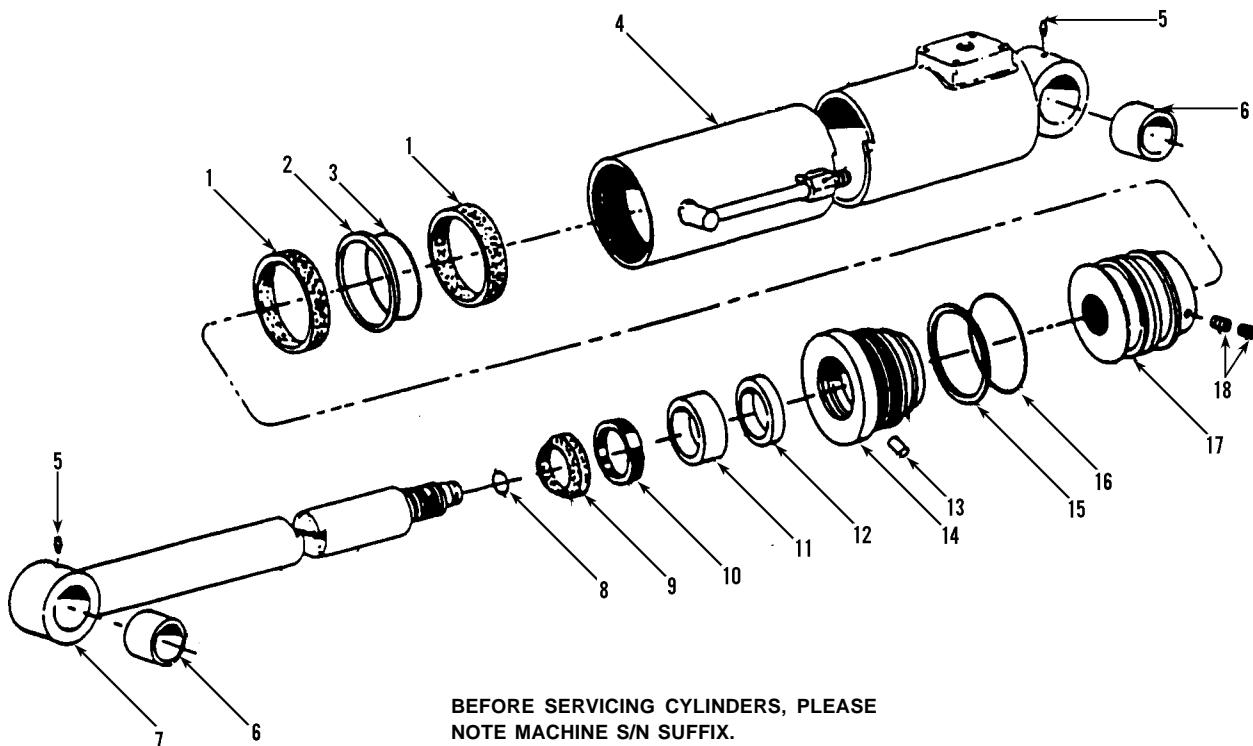


Item	Part No.	Qty.	Description Of Part
	9103-3368	1	CROWD CYLINDER ASSY, (includes all items)
	9103-4290	AR	SEAL KIT, (includes items 3, 4, 5, 6, 9, 10, 12 & 13)
1	9103-4286	1	TUBE ASSY
2	9103-4286	1	LOCKNUT, (torque to 590 ft.lbs.)
3		2	WEAR RING
4		1	SEAL
5		1	O-RING
6		1	O-RING
7	9103-4291	1	PISTON
8	9103-4292	1	STOP TUBE
9		1	BACKUP RING
10		1	O-RING
11	9103-4293	1	GLAND
12		1	SEAL
13		1	WIPER
14	9103-4294	1	ROD ASSY
15	9103-4308	1	COUNTERBALANCE VALVE
	9104-4524	1	COUNTERBALANCE VALVE SEAL KIT
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



6000#

Item	Part No.	Qty.	Description Of Part
-	9080-1291	1	TILT COMPENSATING CYLINDER
-	9080-1292	1	TILT CYLINDER
AR	9020-1553	1	SEAL KIT (includes items 1,2,3,8,9,11,12,13)
1	9103-4040	2	WEAR RING
2	9103-4041	2	PISTON O-RING
3	9002-2239	2	PISTON SEAL
4	9002-2232	1	SELF LOCKING NUT
5	9103-4053	1	CYLINDER BARREL (tilt comp.)
6	9103-4042	1	CYLINDER BARREL (tilt)
6	9020-6793	4	BUSHING
7	9103-4054	1	PISTON ROD (tilt comp.)
	9103-4050	1	PISTON ROD (tilt)
8	9103-4051	1	WIPER RING
9	9103-4052	1	ROD SEAL
10	9040-0062	1	ROD BEARING
11	9103-4045	1	BACK-UP RING
12	9103-4046	1	ROD BEARING O-RING
13	9103-4047	1	PISTON ROD O-RING
14	9040-2123	1	PISTON
15	8867-1001	2	LUBE FITTING - STRAIGHT - 1/8
16	9020-6042	1	NYLON PLUG



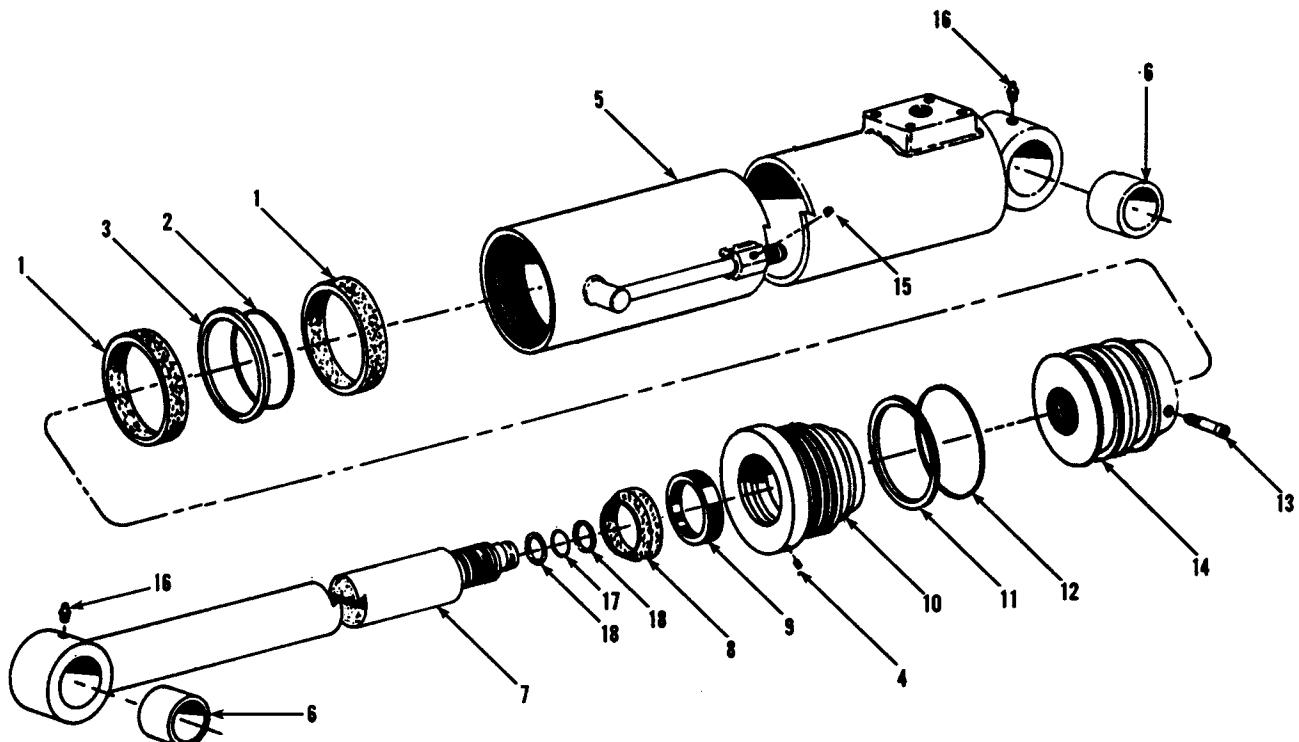
BEFORE SERVICING CYLINDERS, PLEASE
 NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part
	9103-3287	1	TILT CYLINDER ASSY, (includes all items)
	9103-4150	1	SEAL KIT, (includes items 1, 2, 3, 8 thru 13, 15 & 16)
1		2	WEAR RING
2		1	PISTON SEAL
3		1	O-RING
4	9103-4148	1	CASE ASSY, (includes item 6)
5	8867-1008	2	LUBE FITTING, STRAIGHT, 1/4-28
* 6	9140-4352	2	BUSHING
7	9103-4147	1	SHAFT ASSY, (includes item 6)
8		1	O-RING
9		1	WIPER
10		1	U-CUP
11		1	WEAR RING, (wide)
12		1	WEAR RING, (narrow)
13		1	NYLON PLUG
14	9103-4146	1	HEAD
15		1	BACK-UP RING
16		1	O-RING
17	9103-4149	1	PISTON, (lubricate & torque to 550 ft.lbs.)
18	9103-4155	2	SET SCREW
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



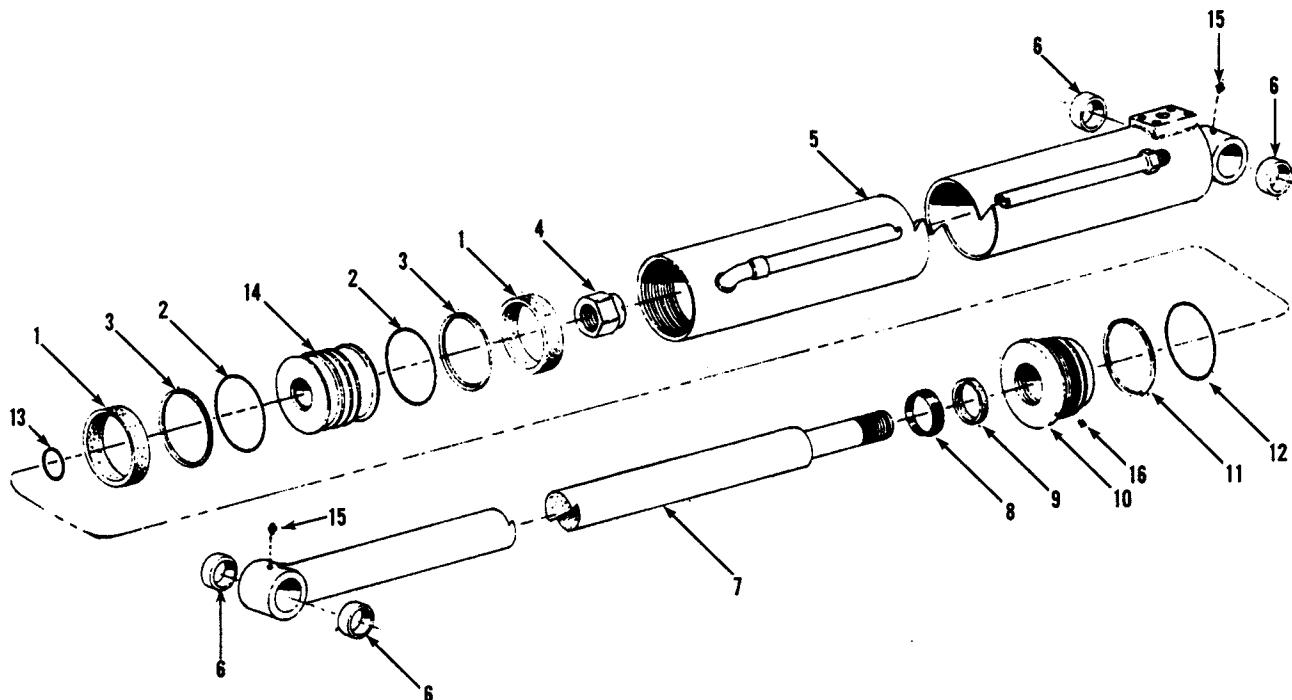
BEFORE SERVICING CYLINDERS, PLEASE
NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9080-1328		TILT COMPENSATING CYLINDER, (includes all items)		9080-1327	2	TILT CYLINDER, (includes all items)
	9020-7954	AR	SEAL KIT, (includes items 1, 2, 3, 8, 9, 11, 12, 17 & 18)		9020-7954	AR	SEAL KIT, (includes items 1, 2, 3, 8, 9, 11, 12, 17 & 18)
1	9002-3157	2	WEAR RING	1	9002-3157	2	WEAR RING
2	9002-2240	1	PISTON O-RING	2	9002-3157	1	PISTON O-RING
3	9020-7535	1	PISTON SEAL	3	9002-2240	1	PISTON SEAL
4	9020-7539	1	SET SCREW	4	9020-7535	1	SET SCREW
5	9020-7541	2	CYLINDER BARREL	5	9020-7538	1	CYLINDER BARREL
6	9020-5414	2	BUSHING	6	9020-5414	2	BUSHING
7	9020-7541	1	PISTON ROD	7	9020-7540	1	PISTON ROD
8	9002-2280	1	WIPER RING	8	9002-2280	1	WIPER RING
9	9002-2250	1	ROD SEAL	9	9002-2250	1	ROD SEAL
10	9020-7543	1	ROD BEARING	10	9020-7543	1	ROD BEARING
11	9002-5349	1	BACK-UP RING	11	9002-5349	1	BACK-UP RING
12	9002-3349	1	ROD BEARING O-RING	12	9002-3349	1	ROD BEARING O-RING
13	9020-7544	1	SET SCREW, (rod bearing)	13	9020-7544	1	SET SCREW, (rod bearing)
14	9020-7542	1	PISTON	14	9020-7542	1	PISTON
15	9020-7536	1	PIPE PLUG	15	9020-7536	1	PIPE PLUG
16	8867-1001	2	LUBE FITTING, STRAIGHT, 1/8	16	8867-1001	2	LUBE FITTING, STRAIGHT, 1/8
17	9020-7533	1	O-RING, (stem)	17	9020-7533	1	O-RING, (stem)
18	9020-7534	2	BACK-UP RING	18	9020-7534	2	BACK-UP RING



Item	Part No.	Qty.	Description Of Part
-	9080-1356		TILT COMPENSATING CYLINDER
-	9080-1357		TILT CYLINDER
9103-4049		AR	SEAL KIT (includes items 1, 2, 3, 8, 9, 11, 12, 13)
1	9103-4040	2	WEARING
2	9103-4041	2	PISTON O-RING
3	9002-2239	2	PISTON SEAL
4	9002-2232	1	SELF LOCKING NUT
5	9103-4053	1	CYLINDER BARREL (tilt comp.)
	9103-4052	1	CYLINDER BARREL (tilt)
6	9020-6793	4	BUSHING
7	9103-4055	1	PISTON ROD (tilt comp.)
	9103-4043	1	PISTON ROD (tilt)
8	9002-2280	1	WIPER RING
9	9103-4044	1	ROD SEAL
10	9040-2122	1	ROD BEARING
11	9103-4045	1	BACK-UP RING
12	9103-4046	1	ROD BEARING O-RING
13	9103-4047	1	PISTON ROD O-RING
14	9040-2123	1	PISTON
15	8867-1001	2	LUBE FITTING- STRAIGHT 1/8
16	9103-4048	1	NYLON PLUG

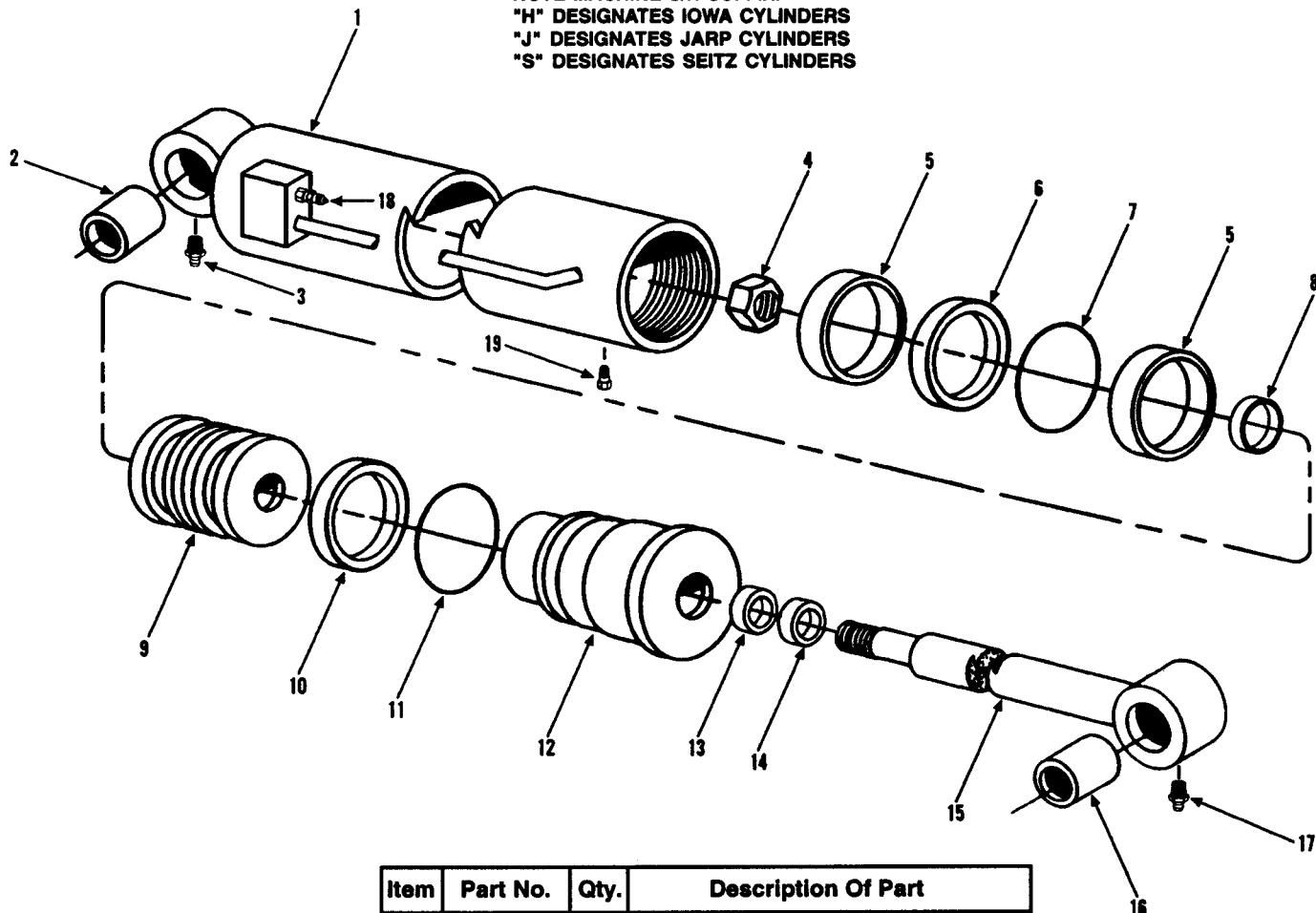
BEFORE SERVICING CYLINDERS, PLEASE

NOTE MACHINE S/N SUFFIX.

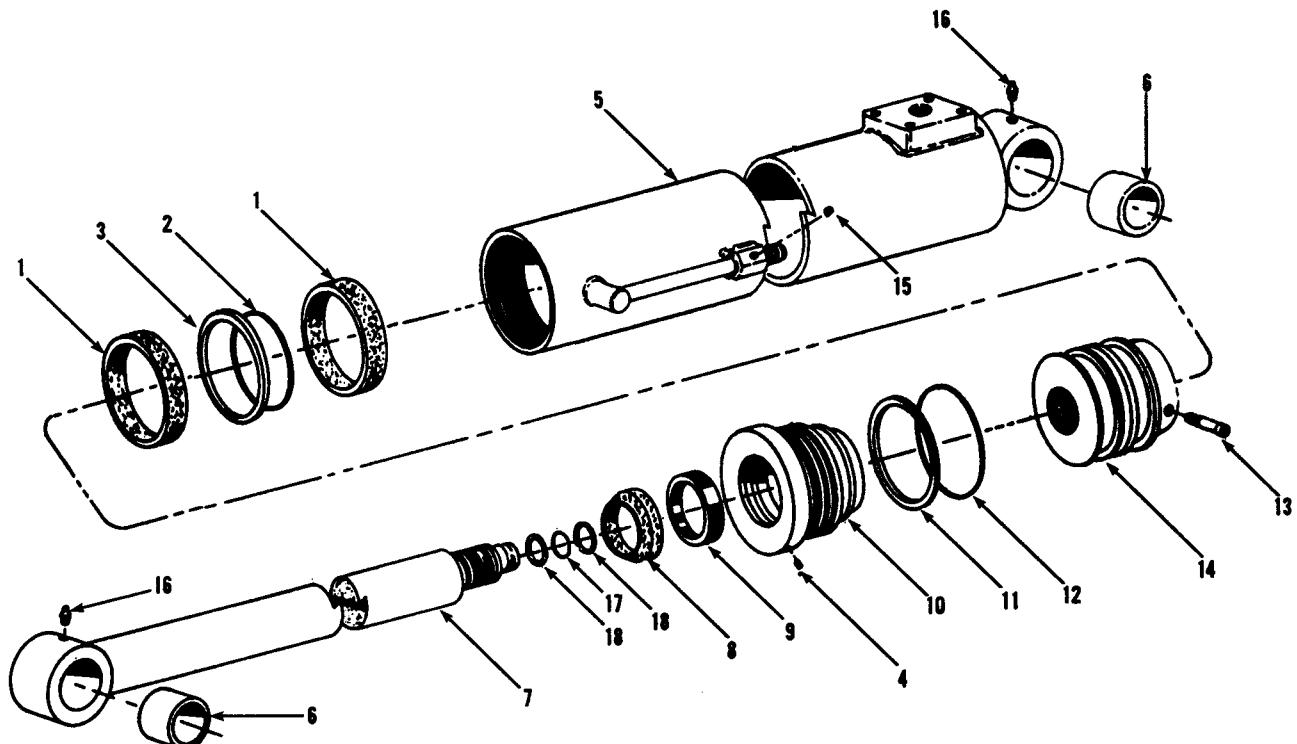
"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS



Item	Part No.	Qty.	Description Of Part
	9103-3369	1	TILT CYLINDER ASSY, (includes all items)
	9103-4278	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13 & 14)
1	9103-4295	1	TUBE ASSY, (includes item 2)
2	9108-4176	1	BUSHING
3	8867-1027	1	LUBE FITTING, 90 DEGREES, 1/4-28
4	9103-4280	1	LOCKNUT, (torque to 1100 ft.lbs.)
5		2	WEAR RING
6		1	SEAL
7		1	O-RING
8		1	O-RING
9	9103-4281	1	PISTON
10		1	BACK-UP RING
11		1	O-RING
12	9103-4282	1	GLAND
13		1	SEAL
14		1	WIPER
15	9103-4296	1	ROD ASSY, (includes item 16)
16	9108-4176	1	BUSHING
17	8867-1033	1	LUBE FITTING, STRAIGHT, 1/4-28
18	9103-3430	1	COUNTERBALANCE VALVE
19	9103-4332	1	SETSCREW
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



BEFORE SERVICING CYLINDERS, PLEASE

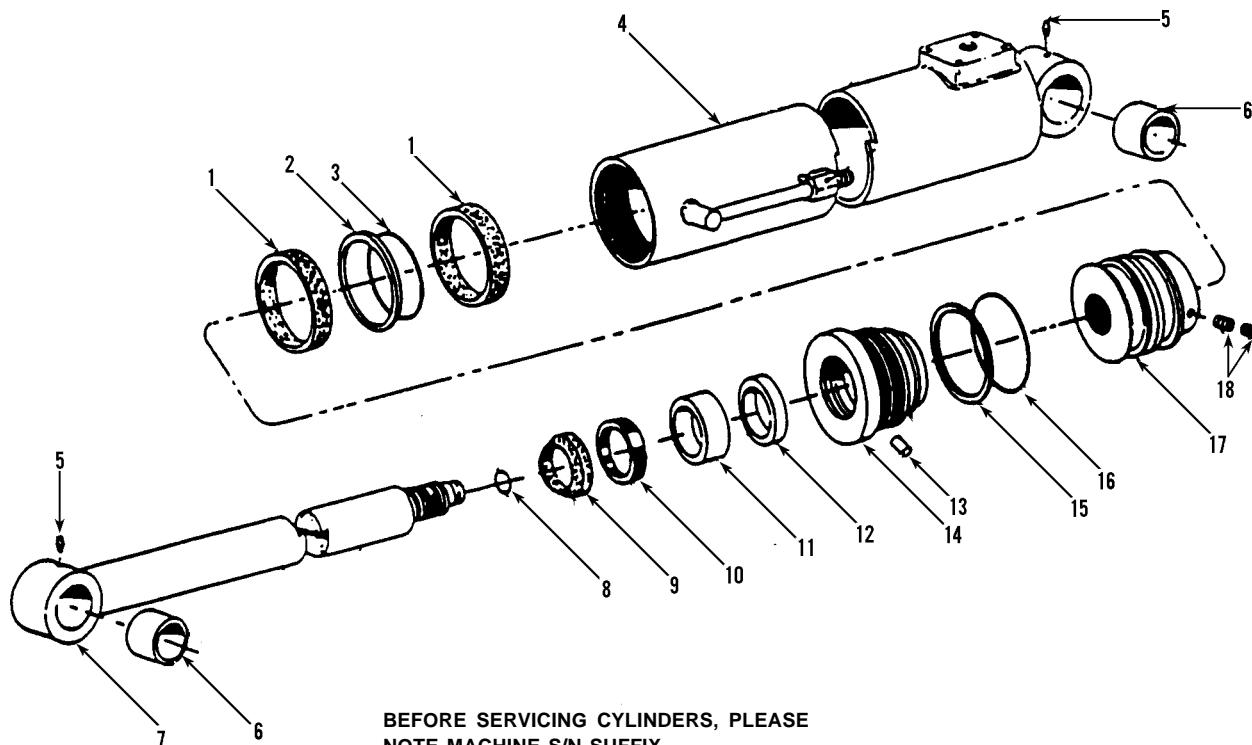
NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9080-1328	1	TILT COMP. CYL. ASSY, (includes all items)		9080-1327	2	TILT CYLINDER, (includes all items)
	9020-7954	1	SEAL KIT, (includes items 1, 2, 3, 8, 9, 11, 12, 17 & 18)		9020-7954	AR	SEAL KIT, (includes items 1, 2, 3, 8, 9, 11, 12, 17 & 18)
1	9002-3157	2	WEAR RING	1		2	WEAR RING
2	9002-2240	1	O-RING, (piston)	2	9002-3157	1	O-RING, (piston)
3	9002-2240	1	PISTON SEAL	3	9002-2240	1	PISTON SEAL
4	9020-7535	1	SET SCREW, (piston)	4	9020-7535	1	SET SCREW, (piston)
5	9020-7539	1	CYLINDER BARREL	5	9020-7538	1	CYLINDER BARREL
6	9020-5414	2	BUSHING	6	9020-5414	2	BUSHING
7	9020-7541	1	PISTON ROD	7	9020-7540	1	PISTON ROD
8	9002-2280	1	WIPER RING	8	9002-2280	1	WIPER RING
9	9002-2250	1	ROD SEAL	9	9002-2250	1	ROD SEAL
10	9020-7543	1	ROD BEARING	10	9020-7543	1	ROD BEARING
11	9002-5349	1	BACK-UP RING	11	9002-5349	1	BACK-UP RING
12	9002-3349	1	O-RING, (rod bearing)	12	9002-3349	1	O-RING, (rod bearing)
13	9020-7544	1	SET SCREW, (rod bearing)	13	9020-7544	1	SET SCREW, (rod bearing)
14	9020-7542	1	PISTON	14	9020-7542	1	PISTON
15	9020-7536	1	PIPE PLUG	15	9020-7536	1	PIPE PLUG
16	8867-1001	2	LUBE FITTING, STRAIGHT, 1/8	16	8867-1001	2	LUBE FITTING, STRAIGHT, 1/8
17	9020-7533	1	O-RING, (stem)	17	9020-7533	1	O-RING, (stem)
18	9020-7534	2	BACK-UP RING	18	9020-7534	2	BACK-UP RING



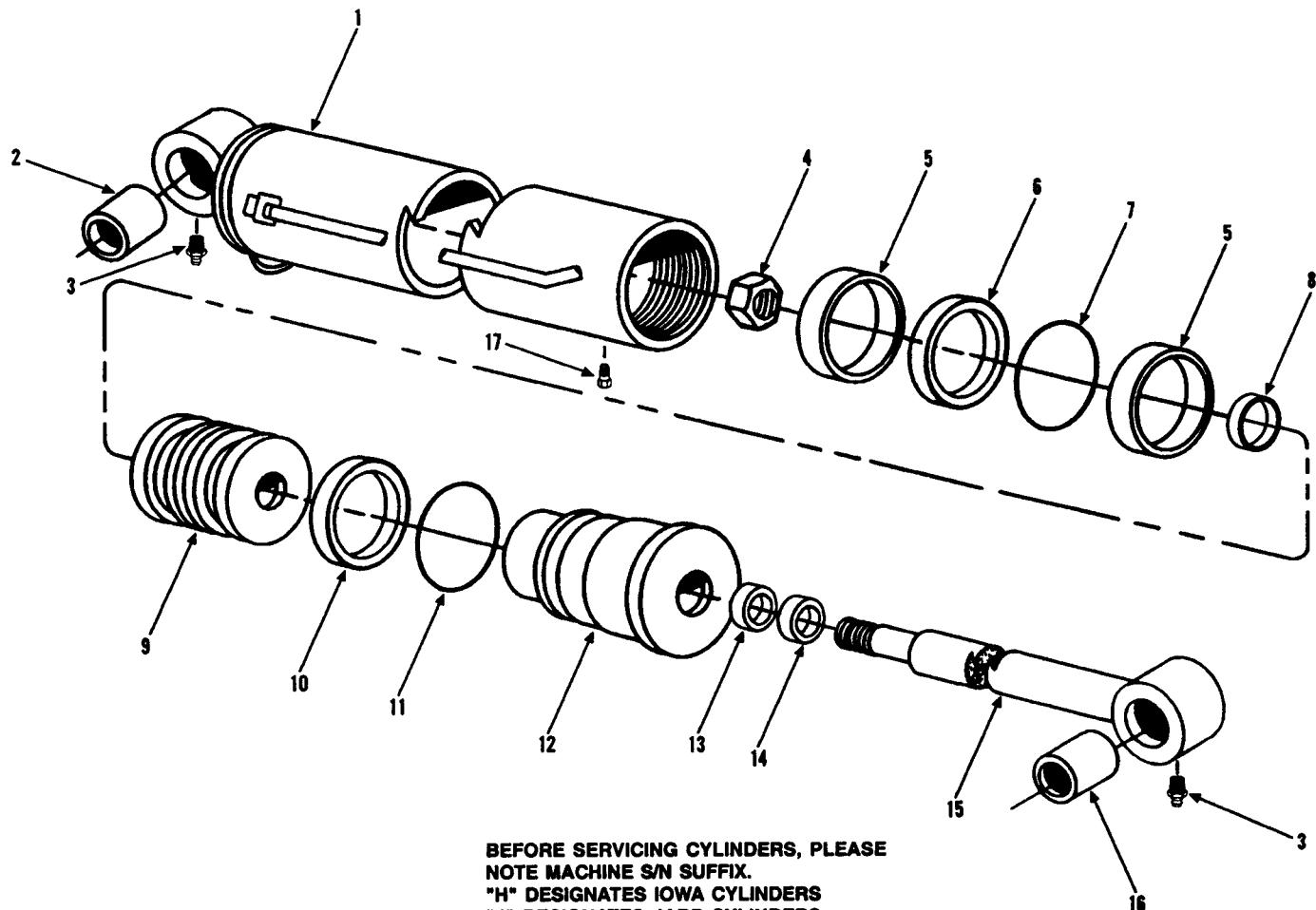
BEFORE SERVICING CYLINDERS, PLEASE
NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

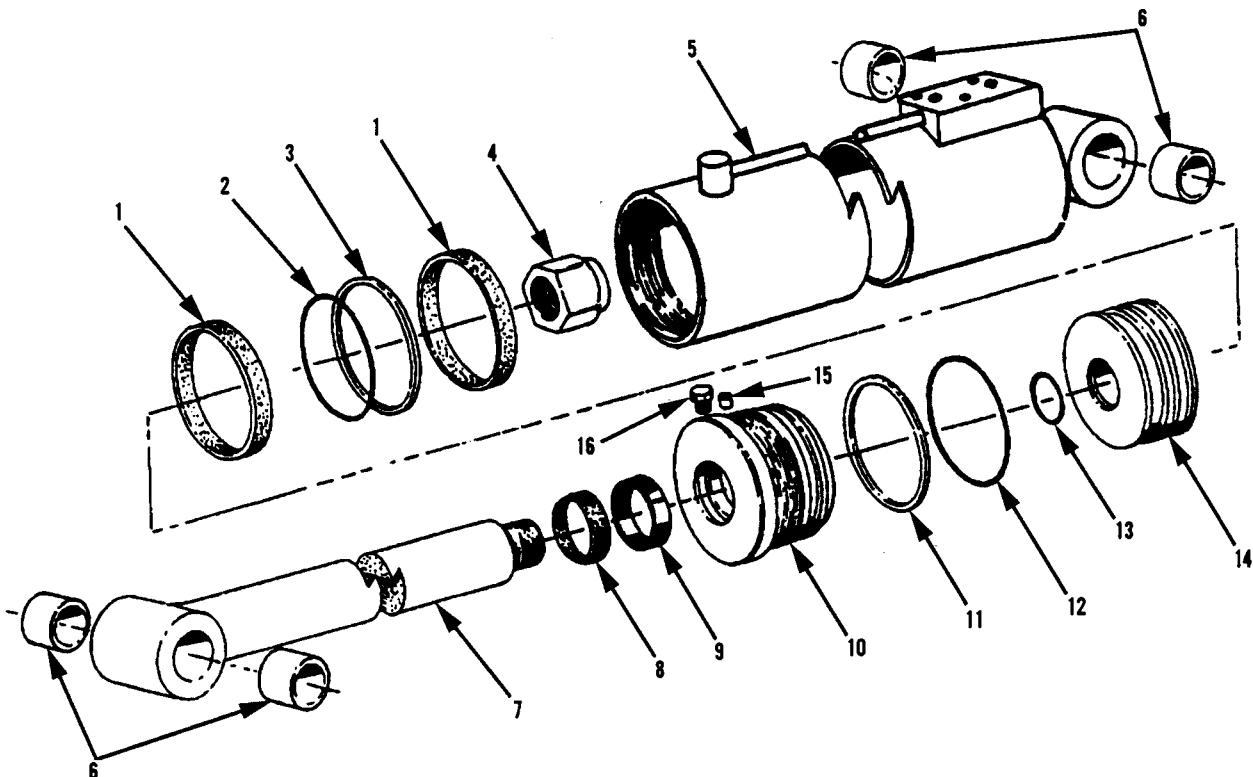
"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

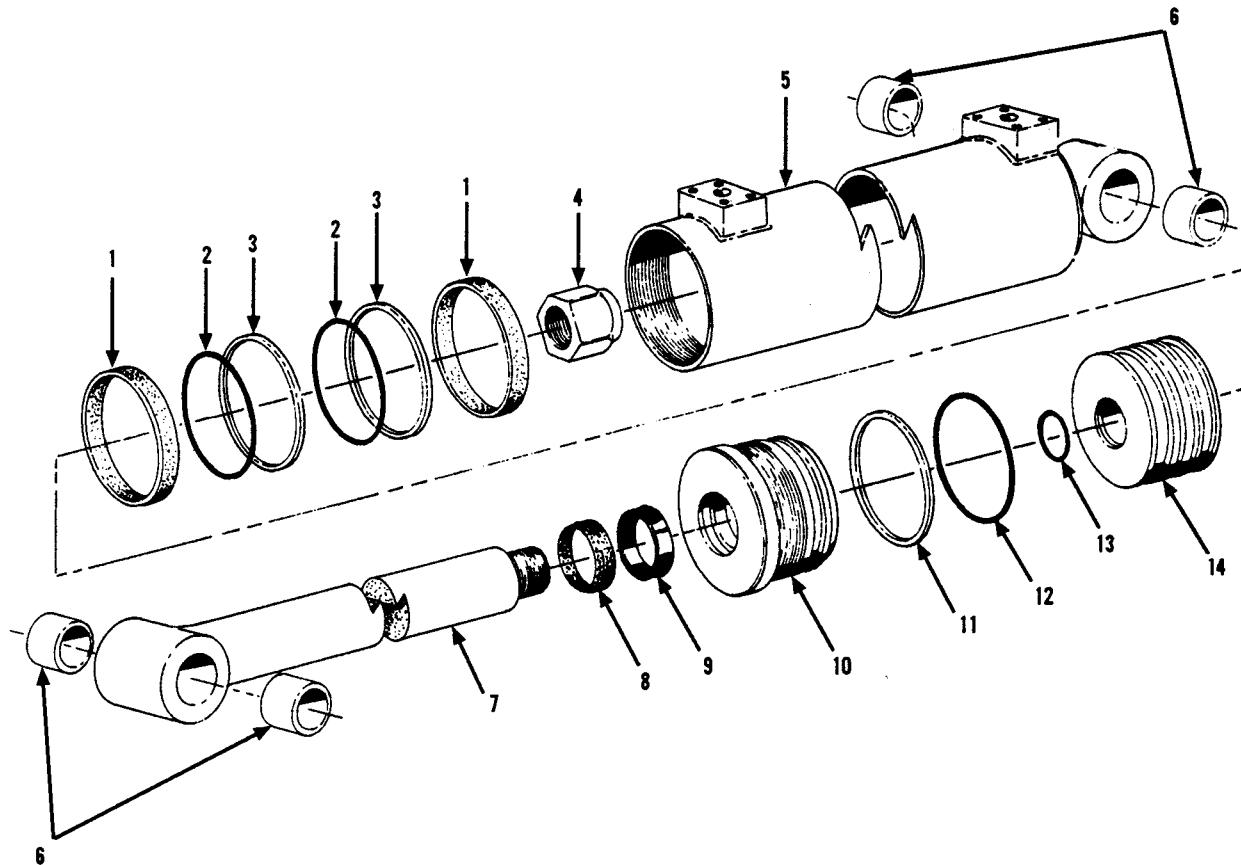
Item	Part No.	Qty.	Description Of Part
	9103-3288	1	COMPENSATING CYLINDER ASSY, (includes all items)
	9103-4150	1	SEAL KIT, (includes items 1, 2, 3, 8 thru 13, 15 & 16)
1		2	WEAR RING
2		1	PISTON SEAL
3		1	O-RING
4	9103-4152	1	CASE ASSY, (includes item 6)
5	8867-1008	2	LUBE FITTING, STRAIGHT, 1/4-28
* 6	9140-4352	2	BUSHING
7	9103-4151	1	SHAFT ASSY, (includes item 6)
8		1	O-RING
9		1	WIPER
10		1	U-CUP
11		1	WEAR RING, (wide)
12		1	WEAR RING, (narrow)
13		1	NYLON PLUG
14	9103-4146	1	HEAD
15		1	BACK-UP RING
16		1	O-RING
17	9103-4149	1	PISTON, (lubricate and torque to 550 ft.lbs.)
18	9103-4155	2	SET SCREW
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



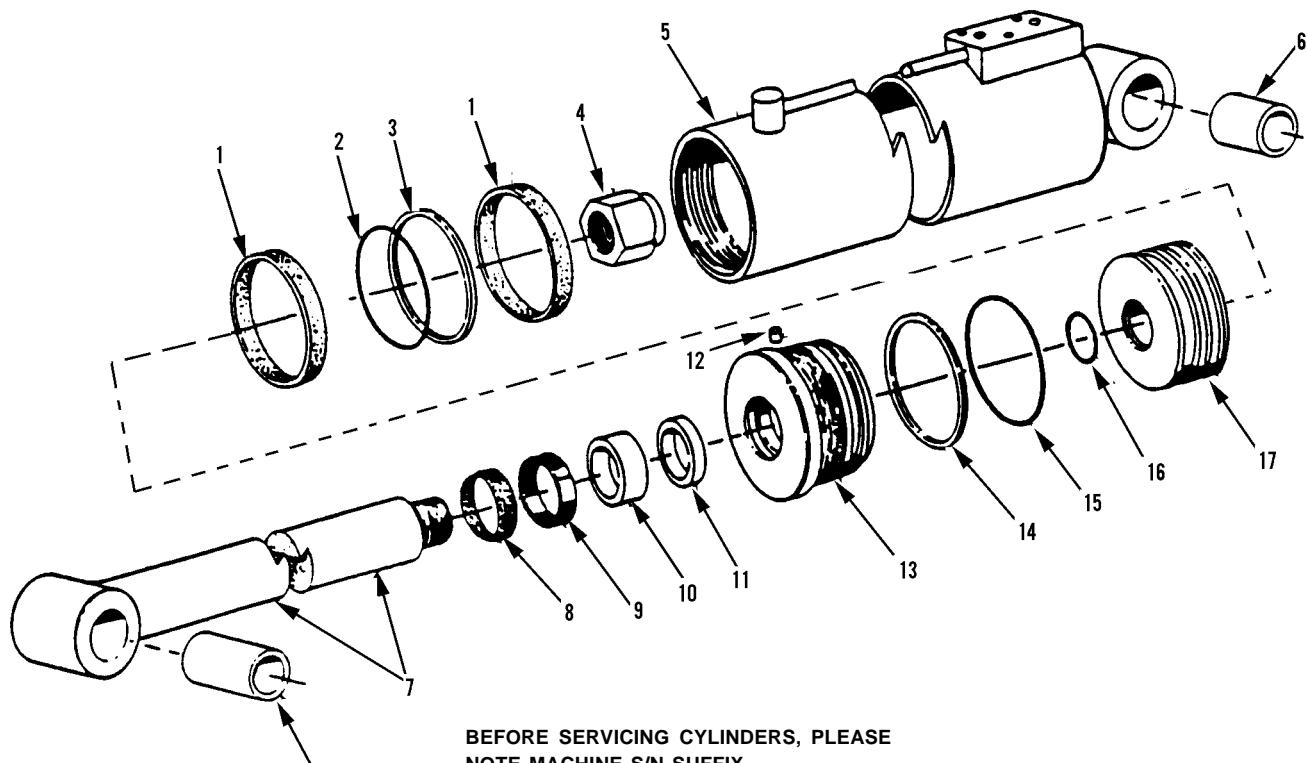
Item	Part No.	Qty.	Description Of Part
	9104-3304	1	COMPENSATING CYLINDERASSY, (includes all items)
	9103-4278	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13 & 14)
1	9104-4313	1	TUBE ASSY, (includes item 2)
2	9108-4176	1	BUSHING
3	8867-1033	2	LUBE FITTING, STRAIGHT, 1/4-28
4	9103-4280	1	LOCKNUT, (torque to 1100 ft.lbs.)
5		2	WEAR RING
6		1	SEAL
7		1	O-RING
8		1	O-RING
9	9103-4281	1	PISTON
10		1	BACKUP RING
11		1	O-RING
12	9103-4314	1	GLAND
13		1	SEAL
14		1	WIPER
15	9104-4315	1	ROD ASSY, (includes item 16)
16	9108-4176	1	BUSHING
17	9103-4332	1	SET SCREW
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



Item	Part No.	Qty.	Description Of Part
	9104-3139	1	SWAY CYLINDER ASSY (includes all items)
	9104-4205	1	SEAL KIT (includes items 1, 2, 3, 8, 9, 11, 12, 13 & 15)
1	9103-4040	2	WEAR RING
2	9103-4041	1	O-RING
3		1	PISTON SEAL
4	9104-4206	1	SELF-LOCKING NUT (lubricate & torque to 550-600 ft.lbs.)
5	9104-4207	1	CYLINDER BARREL ASSY (includes item 6)
6	9104-4075	4	BUSHING
7	9104-4208	1	PISTON ROD ASSY (includes item 6)
8	9103-4051	1	WIPER RING
9	9103-4052	1	ROD SEAL
*10	9040-0062	1	ROD BEARING (lubricate & torque to 250-300 ft.lbs.)
11	9103-4045	1	BACK-UP RING
12	9103-4046	1	O-RING
13	9104-4209	1	O-RING
14	9104-4210	1	PISTON ASSY (includes items 1, 2, 3 & 13)
15	9020-6042	1	NYLON PLUG
16	9104-4073	1	HEX HD CAPSCREW
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			

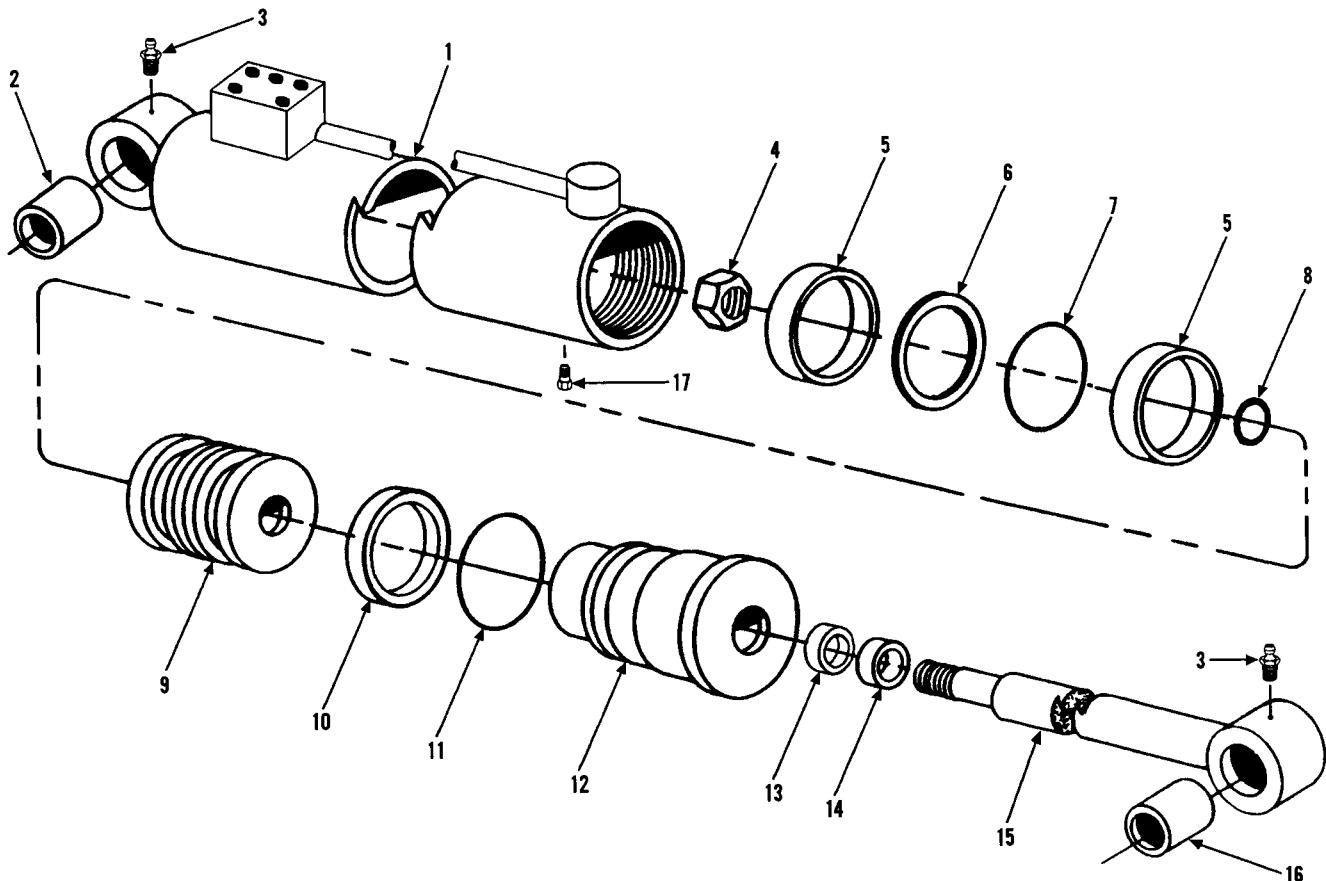


Item	Part No.	Qty.	Description Of Part
	9080-1270	1	SWAYCYLINDER
	9020-1553	AR	SEAL KIT (includes items 1, 2, 3, 8, 9, 11, 12, 13)
1	9002-2259	2	WEAR RING
2	9002-3153	2	PISTON O-RING
3	9002-2239	2	PISTON SEAL
4	9002-2232	1	SELF-LOCKING NUT
5	9020-7898	1	CYLINDER BARREL
6	9020-5414	4	BUSHING
7	9020-7900	1	PISTON ROD
8	9002-2279	1	WIPER RING
9	9002-2249	1	SEAL ROD
10	9040-0062	1	ROD BEARING
11	9002-5342	1	BACK-UP RING
12	9002-3342	1	ROD BEARING O-RING
13	9002-3128	1	PISTON ROD O-RING
14	9040-0061	1	PISTON

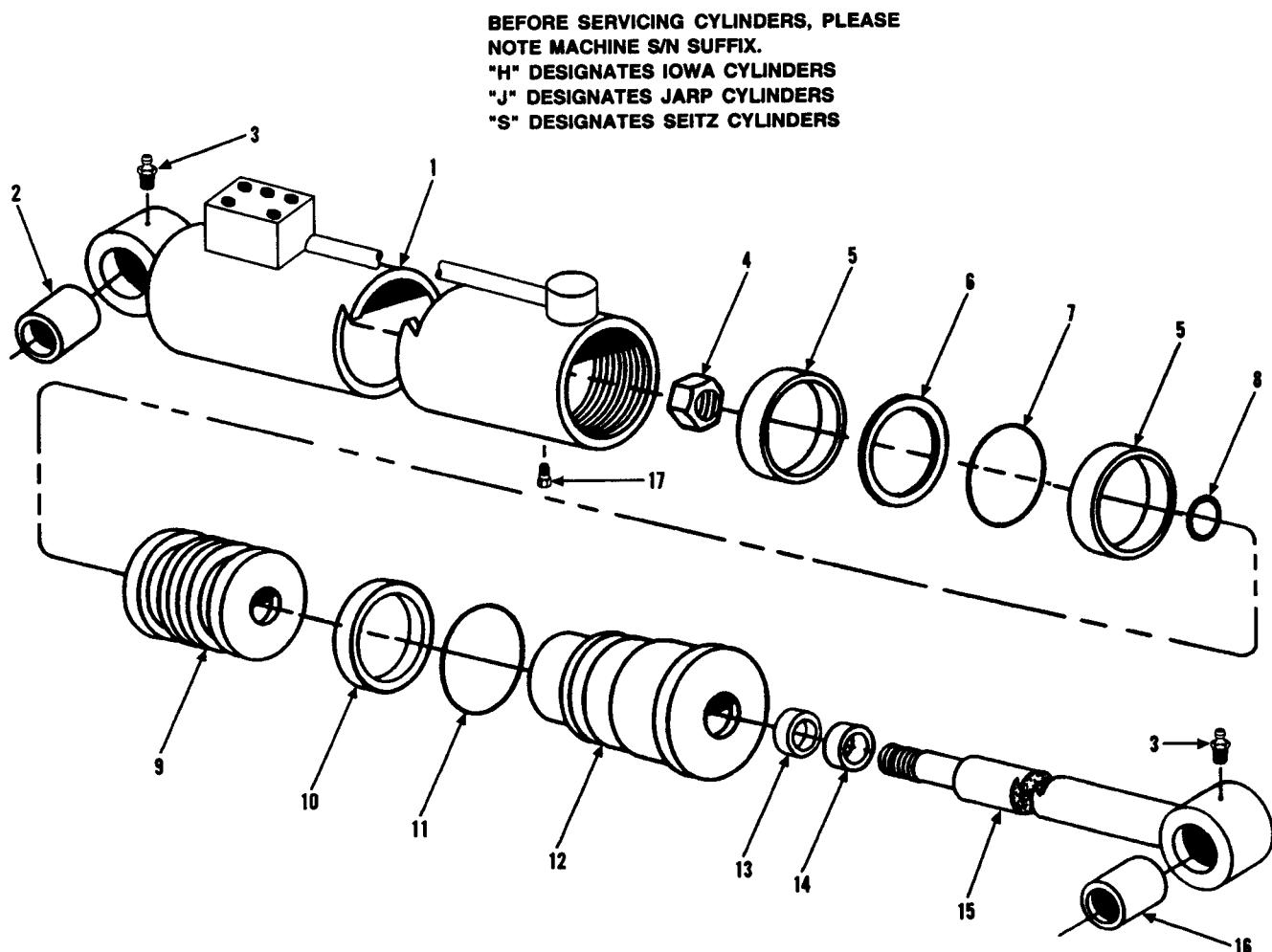


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"H" DESIGNATES IOWA CYLINDERS
"J" DESIGNATES JARP CYLINDERS
"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part
	9104-3205	1	SWAY CYLINDER ASSY, (includes all items)
	9104-4275	1	SEAL KIT, (includes items 1, 2, 3, 8 thru 11, 14, 15 & 16)
1		2	WEAR RING
2		1	O-RING
3		1	PISTON SEAL
4	9106-4017	1	HEX LOCKNUT, (lubricate and torque to 625 ft.lbs.)
5	9104-4273	1	CASE ASSY, (includes item 6)
* 6	9140-4352	2	BUSHING
7	9104-4272	1	SHAFT ASSY, (includes item 6)
8		1	WIPER
9		1	U-CAP
10		1	WEAR RING, (wide)
11		1	WEAR RING, (narrow)
12		1	NYLON PLUG
13	9104-4271	1	HEAD
14		1	BACK-UP RING
15		1	O-RING
16		1	O-RING
17	9104-4274	1	PISTON
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			

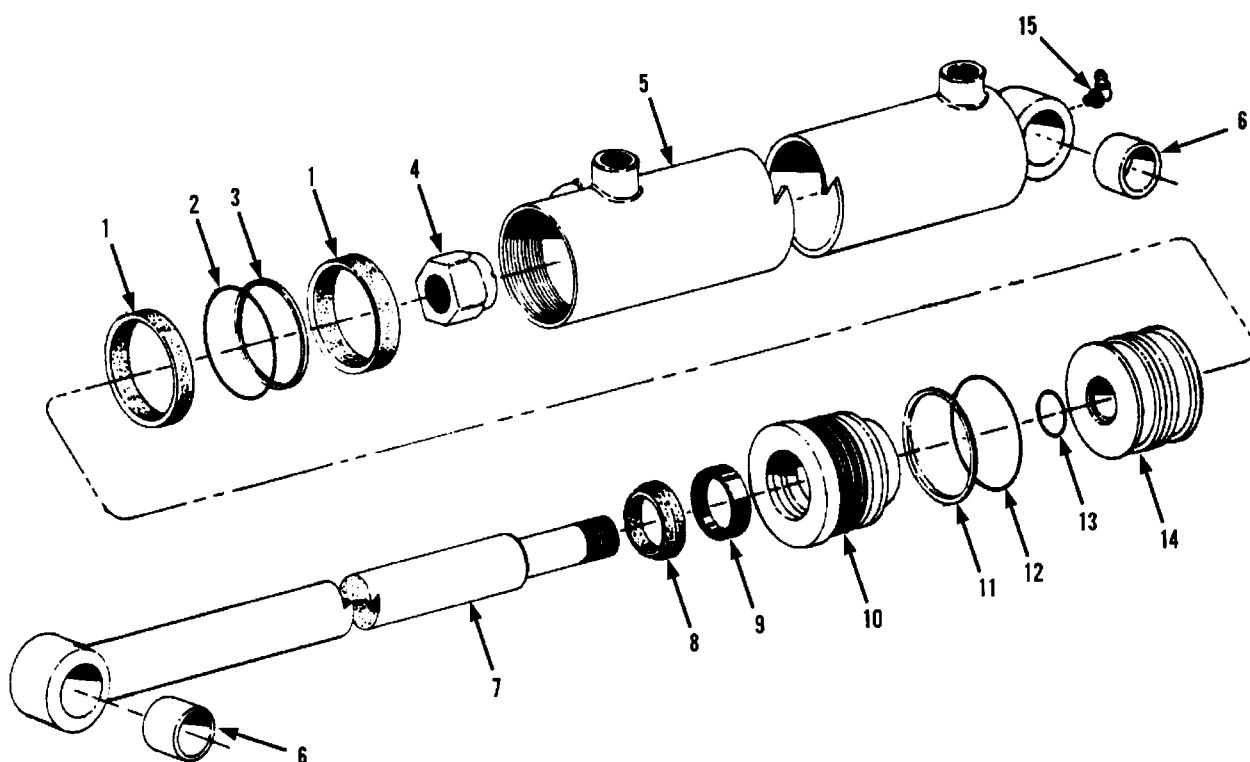


Item	Part No.	Qty.	Description Of Part
	9103-3367	1	SWAY CYLINDER ASSY, (includes all items)
	9103-4297	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13, & 14)
1	9103-4298	1	TUBE ASSY, (includes item #2)
2	9108-4176	1	BUSHING
3	8867-1033	2	LUBE FITTING-STRAIGHT, 1/4-28
4	9103-4286	1	LOCKNUT, (torque to 590 ft. lbs.)
5		2	WEAR RING
6		1	SEAL
7		1	O-RING
8		1	O-RING
9	9103-4291	1	PISTON
10		1	BACKUP RING
11		1	O-RING
12	9103-4299	1	GLAND
13		1	SEAL
14		1	WIPER
15	9104-4300	1	ROD ASSY, (includes item 16)
16	9108-4176	1	BUSHING
17	9103-4332	1	SET SCREW
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



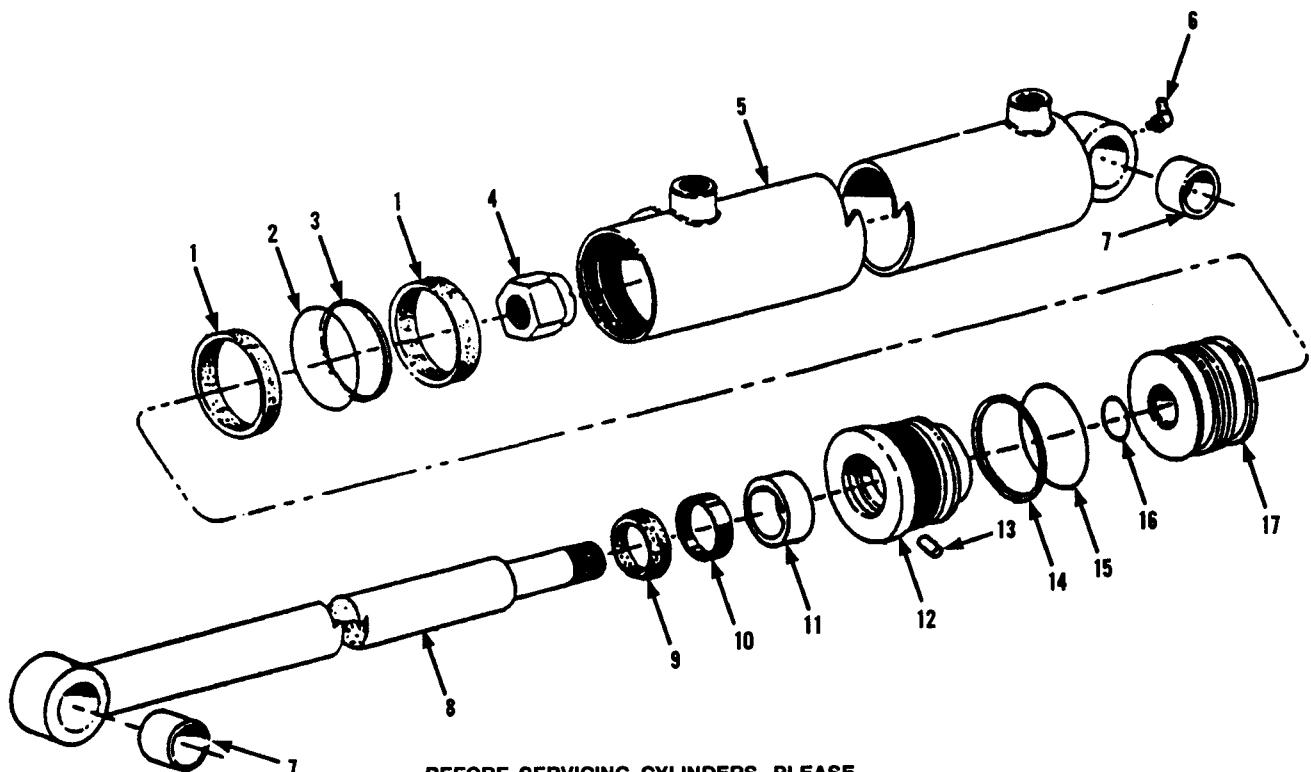
Item	Part No.	Qty.	Description Of Part
	9103-3367	1	SWAY CYLINDER ASSY, (includes all items)
	9103-4297	AR	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13, & 14)
1	9103-4298	1	TUBE ASSY, (includes item #2)
2	9108-4176	1	BUSHING
3	8867-1033	2	LUBE FITTING, STRAIGHT, 1/4-28
4	9103-4286	1	LOCKNUT, (torque to 590 ft. lbs.)
5		2	WEAR RING
6		1	SEAL
7		1	O-RING
8		1	O-RING
9	9103-4291	1	PISTON
10		1	BACKUP RING
11		1	O-RING
12	9103-4299	1	GLAND
13		1	SEAL
14		1	WIPER
15	9104-4300	1	ROD ASSY, (includes item 16)
16	9108-4176	1	BUSHING
17	9103-4332	1	SETScrew
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			

* Revised Starting Serial Number in upper right hand corner;
added note to top of page.



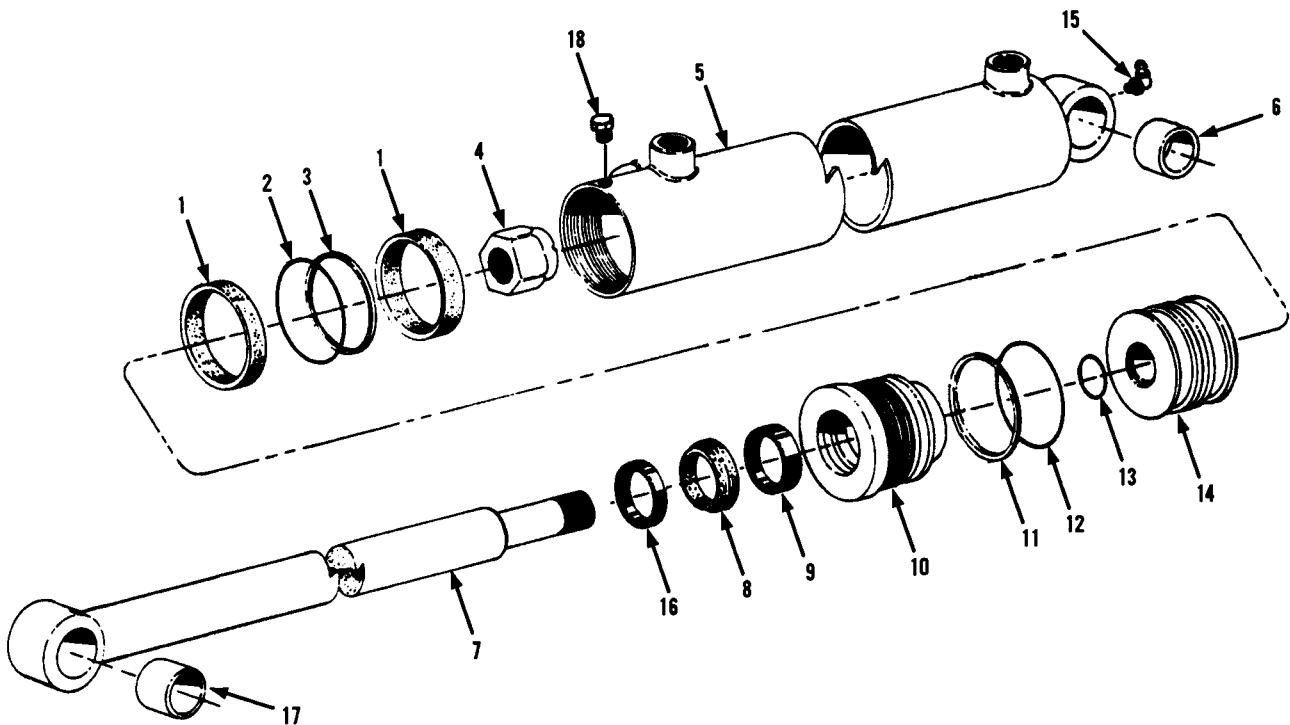
BEFORE SERVICING CYLINDERS, PLEASE
NOTE MACHINE S/N SUFFIX.
"H" DESIGNATES IOWA CYLINDERS
"J" DESIGNATES JARP CYLINDERS
"S" DESIGNATES SEITZ CYLINDERS

Item	Part No.	Qty.	Description Of Part
	9080-1313	2	STEERING CYLINDER ASSY, (includes all items)
	9020-2551	AR	SEAL KIT, (includes items 1, 2, 3, 8, 9, 11, 12 & 13)
1	9002-2257	2	WEAR RING
2	9002-3145	1	O-RING
3	9002-2237	1	PISTON SEAL
4	9002-2230	1	SELF LOCKING NUT
5	9020-7821	1	BARREL
6	9020-5450	2	BUSHING
7	9020-7822	1	PISTON ROD
8	9002-2277	1	WIPER RING
9	9002-2247	1	ROD SEAL
10	9040-2099	1	ROD BEARING
11	9002-4232	1	BACK-UP RING
12	9002-3232	1	O-RING
13	9002-3117	1	O-RING
14	9040-2098	1	PISTON
*15	8867-1027	1	LUBE FITTING, 90 DEGREES, 1/4-28

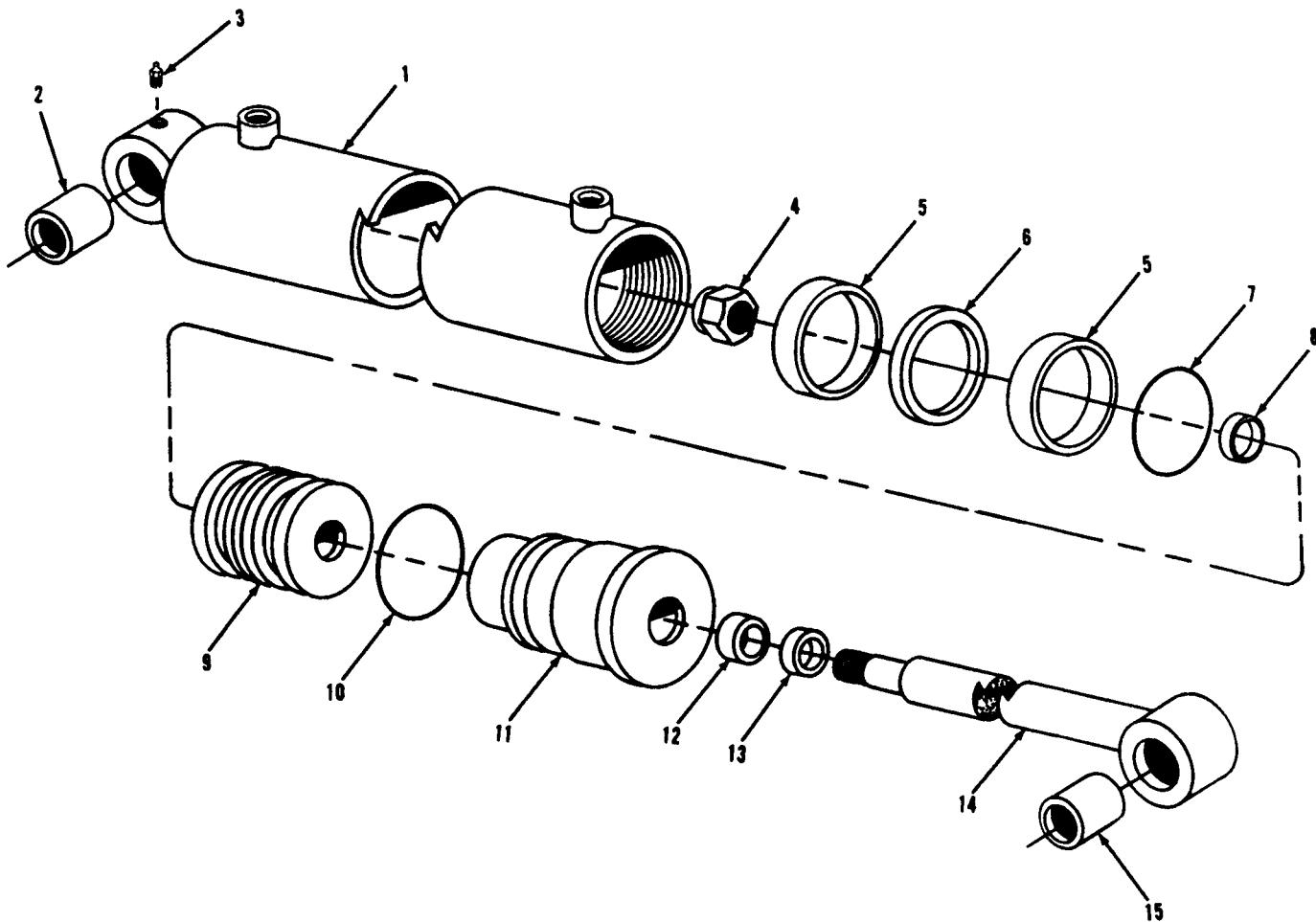


BEFORE SERVICING CYLINDERS, PLEASE
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"J" DESIGNATES JARP CYLINDERS
"S" DESIGNATES SEITZ CYLINDERS

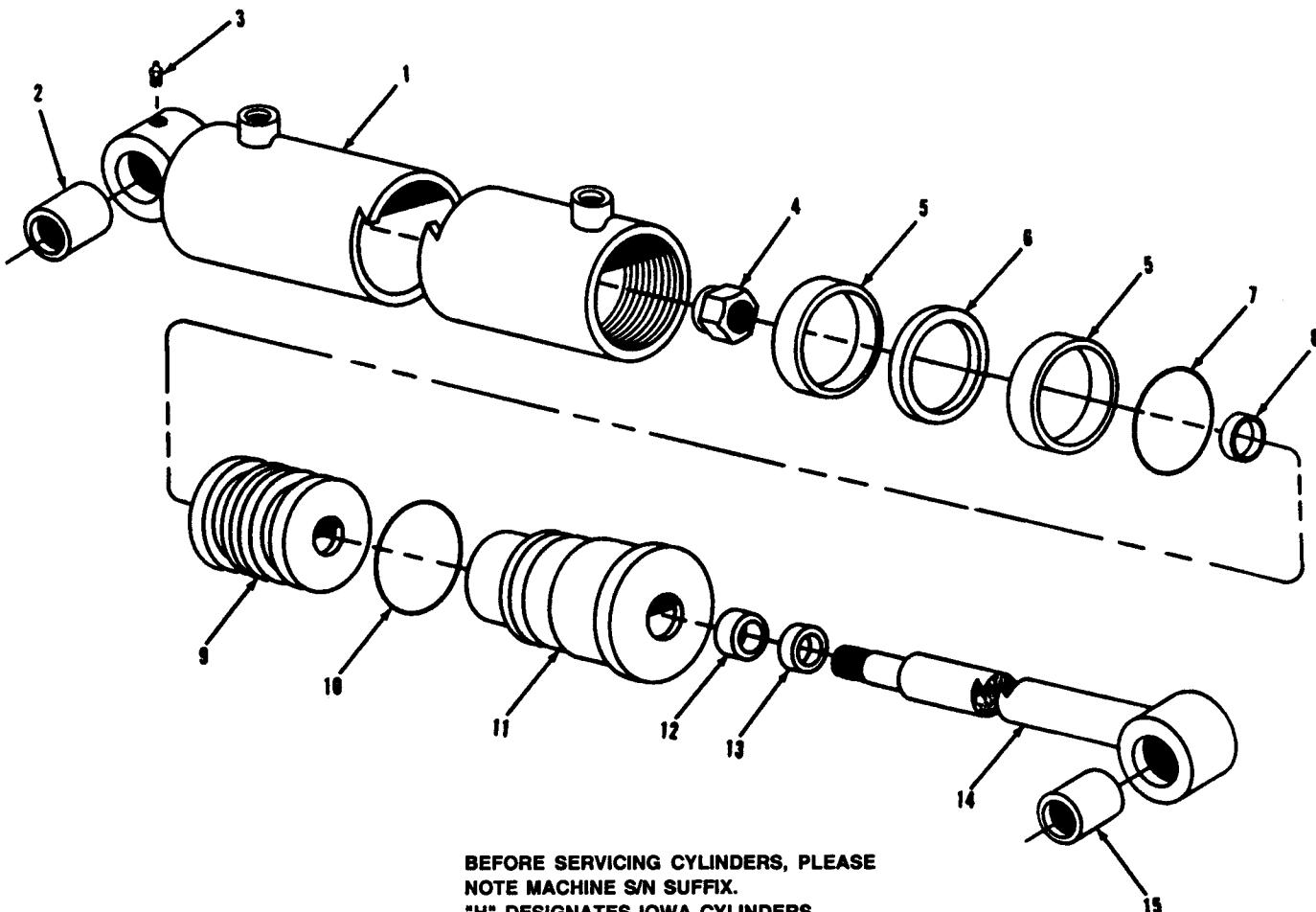
Item	Part No.	Qty.	Description Of Part
	9103-3291	2	STEERING CYLINDER ASSY, (includes all items)
	9103-4145	1	SEAL KIT, (includes items 1, 2, 3, 9, 10, 11, 13, 14, 15 & 16)
1		2	WEAR RING
2		1	O-RING
3		1	PISTON SEAL
4	9103-4156	1	HEX LOCKNUT, (lubricate & torque to 250 ft.lbs.)
5	9103-4143	1	CASE ASSY, (includes item 7)
6	8867-1027	1	LUBE FITTING, 90DEGREES, 1/4-28
7	9103-4157	2	BUSHING
8	9103-4142	1	SHAFT ASSY, (includes item 7)
9		1	WIPER
10		1	U-CUP
11		1	WEAR RING
12	9103-4141	1	HEAD
13		1	NYLON PLUG
14		1	BACK-UP RING
15		1	O-RING
16		1	O-RING
17	9103-4144	1	PISTON
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



Item	Part No.	Qty.	Description Of Part
	9045-3034	2	STEERING CYLINDER ASSY (includes all items)
	9114-4006	AR	SEAL KIT (includes items 1, 2, 3, 8, 9, 11, 12, 13, & 16)
1	9116-4019	2	WEAR RING
2	9116-4020	1	O-RING
3	9116-4021	1	PISTON SEAL
4	9114-4038	1	SELF LOCKING NUT
5	9103-4435	1	BARREL
6	9103-4157	1	BUSHING
7	9103-4436	1	PISTON ROD
8	9120-4469	1	WIPER RING
9	9120-4468	1	U-CUP
10	9114-4040	1	HEAD (lubricate & torque 100-400 ft.lbs.)
11	9116-4024	1	BACK-UP RING
12	9103-4437	1	O-RING
13	9116-4022	1	O-RING
14	9114-4039	1	PISTON
15	9114-4125	1	LUBE FITTING-90 DEGREES-1/4-28
16	9116-4025	1	STEP SEAL
17	9112-4087	1	BUSHING
18	9112-4096	1	SET SCREW



Item	Part No.	Qty.	Description Of Part
	9103-3366	2	SWING CYLINDER ASSY, (includes all items)
	9103-4301	Ref	SEAL KIT, (includes items 5,6,7,8,10, 12, & 13)
1	9103-4302	1	TUBE ASSY
2	9108-4194	1	BUSHING
3	8867-1033	1	LUBE FITTING-STRAIGHT, 1/4-28
4	9103-4303	1	LOCKNUT, (torque to 235 ft. lbs.)
5	9104-4463	2	WEARRING
6	9104-4464	1	SEAL
7	9104-4465	1	O-RING
8	9104-4466	1	O-RING
9	9103-4304	1	PISTON
10	9104-4467	1	O-RING
11	9103-4305	1	GLAND
12	9104-4468	1	SEAL
13	9104-4469	1	WIPER
14	9103-4306	1	ROD ASSY
15	9104-4470	1	BUSHING



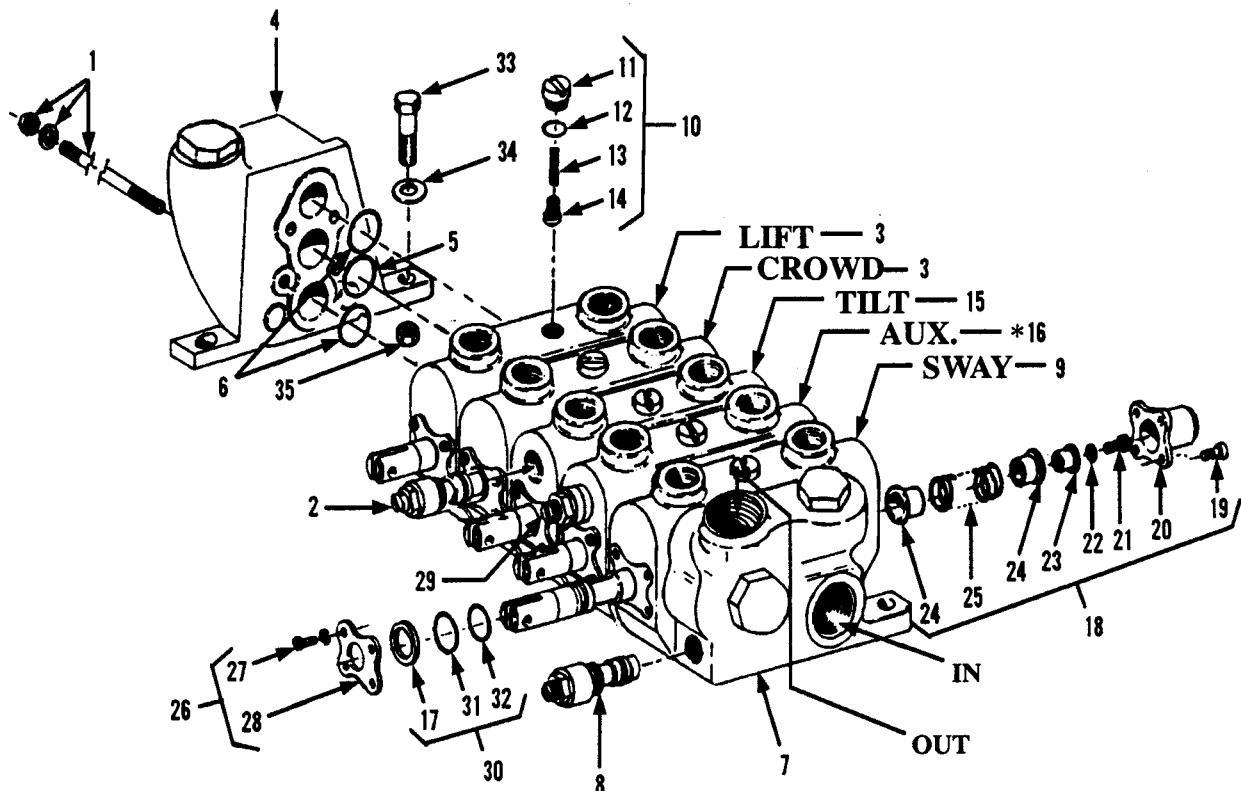
BEFORE SERVICING CYLINDERS, PLEASE
NOTE MACHINE S/N SUFFIX.

"H" DESIGNATES IOWA CYLINDERS

"J" DESIGNATES JARP CYLINDERS

"S" DESIGNATES SEITZ CYLINDERS

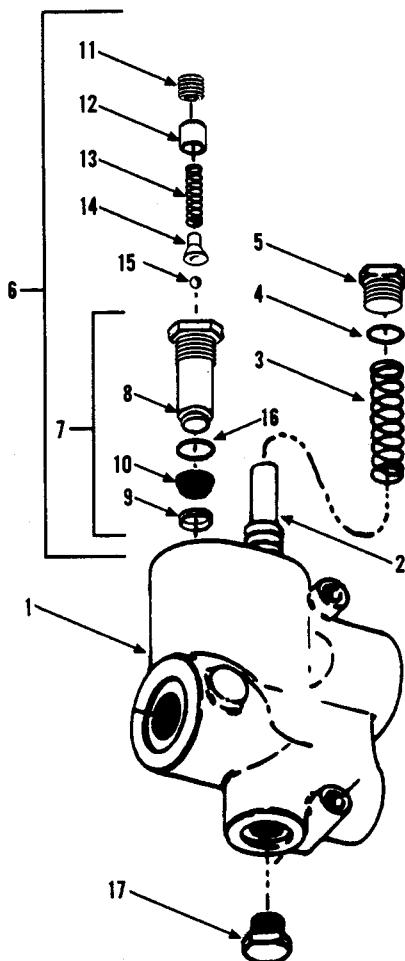
Item	Part No.	Qty.	Description Of Part
*	9103-3366	2	STEERING CYLINDER ASSY, (includes all items)
	9103-4301	Ref	SEAL KIT, (includes items 5, 6, 7, 8, 10, 12 & 13)
1	9103-4302	1	TUBEASSY
2	9108-4194	1	BUSHING
3	8867-1033	1	LUBE FITTING, STRAIGHT, 1/4-28
4	9103-4303	1	LOCKNUT, (torque to 235 ft.lbs.)
5	9104-4463	2	WEAR RING
6	9104-4464	1	SEAL
7	9104-4465	1	O-RING
8	9104-4466	1	O-RING
9	9103-4304	1	PISTON
10	9104-4467	1	O-RING
11	9103-4305	1	GLAND
12	9104-4468	1	SEAL
13	9104-4469	1	WIPER
14	9103-4306	1	ROD ASSY
15	9104-4470	1	BUSHING



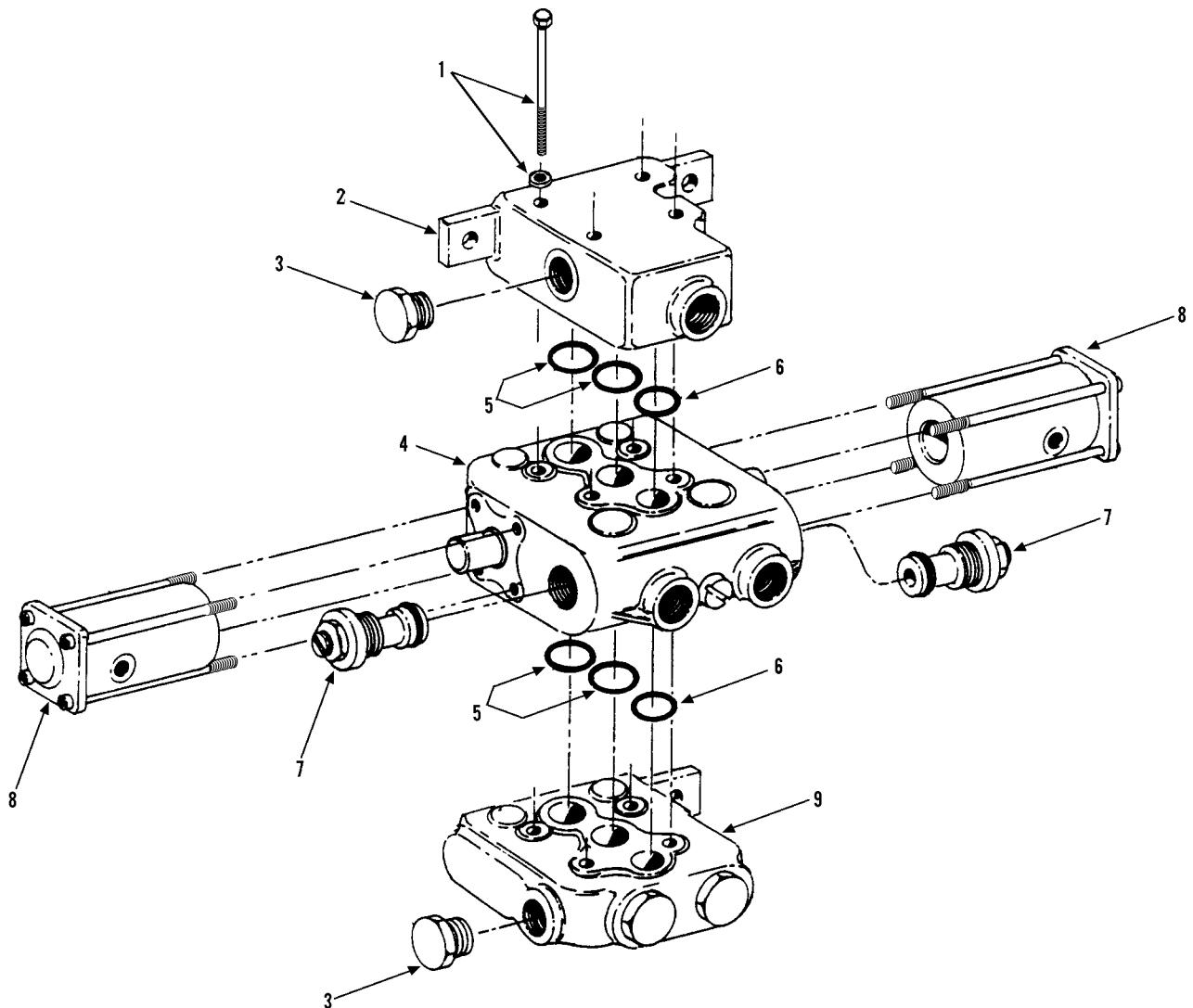
* 9103-3168 VALVE DOES NOT INCLUDE
AUXILIARY VAVLE SECTION. ORDER
KIT #9103-3239 FOR THE SECTION,
O-RINGS, AND STUDS

Item	Part No.	Qty.	Description Of Part
1	9103-3168		CONTROL VALVE (4 section)
	9103-3296		CONTROL VALVE (5 section)
1	9103-4105		STUD ASSY KIT (4 section)
	9103-4070		STUD ASSY KIT (5 section)
2	9020-6415	1	POST RELIEF
	9103-4237	AR	SEAL KIT
3	9103-4102	2	VALVE SECTION (includes 10 thru 14)
4	9103-4104	1	COVER PLATE ASSY (right end)
5	9020-6422	1	O-RING
6	9020-6423	2	O-RING
7	9104-4114	1	COVER PLATE ASSY (left end) (includes item 8)
8	9020-8136	1	MAIN RELIEF VALVE ASSY (3000 PSI)
	9103-4236	AR	SEAL KIT
9	9020-6421	1	VALVE SECTION (includes 10 thru 14)
10	9020-6413	AR	LOAD CHECK POPPET ASSY (includes items 11 thru 14)
11		1	LOAD CHECK PLUG
12		1	O-RING
13		1	SPRING
14		1	POPPET
15	9020-6420	1	VALVE SECTION (with port relief) (includes item 21)
16	9103-4072	1	VALVE SECTION (includes item 29)

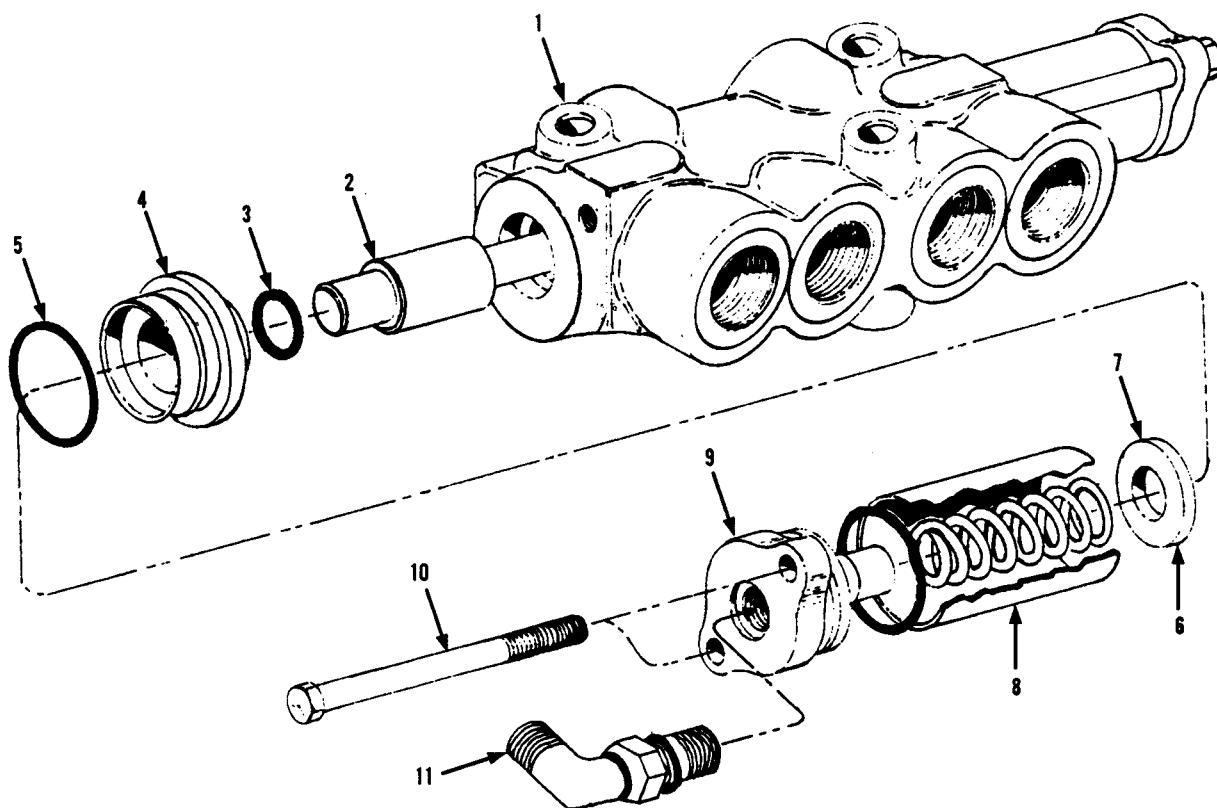
Item	Part No.	Qty.	Description Of Part
17	9020-6418	AR	SEAL PLATE
18	9020-6427	AR	NEUTRAL POSITIONER (consists of items 19 thru 25)
19	8830-1548	4	FILLISTER HD MACHINE SCREW 14-20x1
20	9020-6431	1	BONNET
21	8821-1069	1	SOCKET HD CAPSCREW, 3/8-16x3/4, GR8
22	8855-1011	1	LOCKWASHER, 3/8
23	9020-6430	1	SPOOL COLLAR
24	9020-6428	2	STOP COLLAR
25	9020-6429	1	SPRING
26	9020-6419	AR	RETAINER PLATE KIT (consists of items 27 & 28)
27		1	SCREW
28		1	RETAINER PLATE
29	9103-4074	1	PORT RELIEF
30	9103-4159	AR	SPOOL SEAL KIT (consists of items 17, 31 & 32)
31		1	O-RING
32		1	O-RING
33	8820-1072	3	HEX HD CAPSCREW, 1/4-20x1-3/4, GR5
34	8856-1107	3	FLAT WASHER, 1/4
35	8850-1008	3	HEX NUT, 1/4
36	9020-6417	AR	SECTION SEAL KIT (consists of items 5, 6, 12, 17, 31 & 32)
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



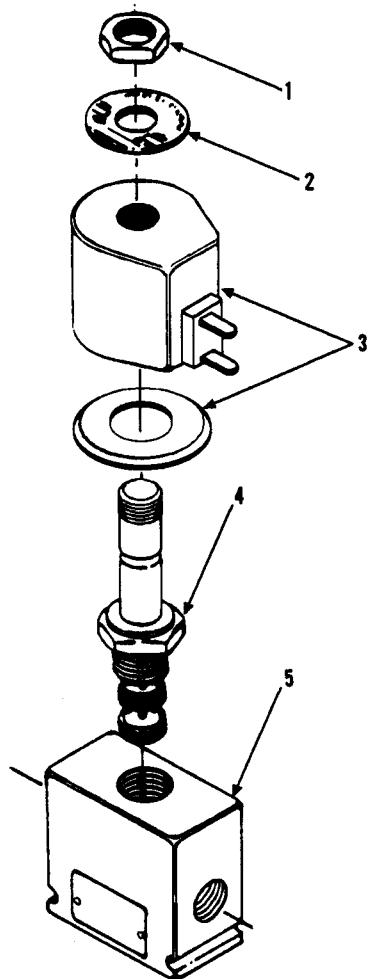
Item	Part No.	Qty.	Description Of Part
	9103-3240	1	PRIORITY VALVE (includes all items) 2500 P.S.I. RELIEF SETTING
1	9020-6548	1	HOUSING (includes item 2)
2	9020-6549	1	SPOOL
3	9020-6550	1	SPRING
4	8859-1206	1	O-RING
5	9020-6552	1	PLUG
6	9020-6553	1	RELIEF CARTRIDGE (includes items 7 thru 16)
7	9020-6554	1	RELIEF VALVE SUB BODY (includes item 8 thru 10)
8	9020-6555	1	BODY
9	9020-6556	1	RING
10	9020-6557	1	SCREEN
11	9020-6558	1	RELIEF VALVE ADJUSTING SCREW
12	9020-6559	1	SPRING GUIDE
13	9020-6560	1	SPRING
14	9020-6561	1	BALL HOLDER
15	9020-6562	1	BALL
16	8859-1205	1	O-RING
17	9020-6564	1	PLUG



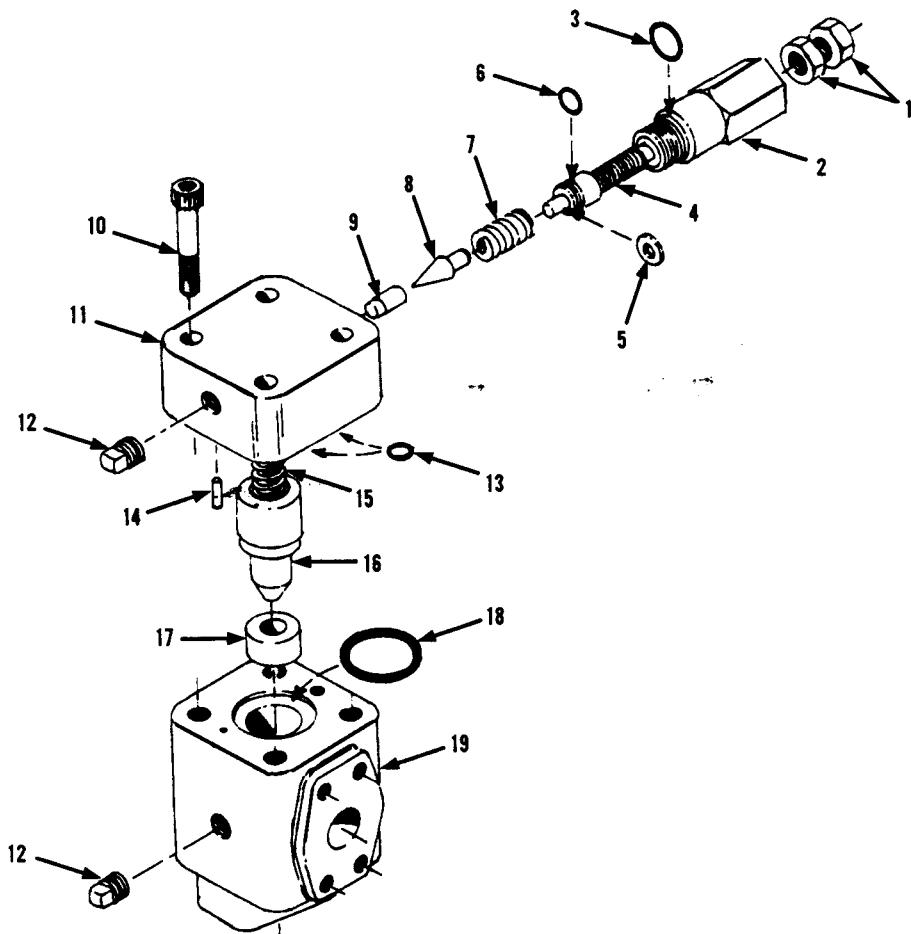
Item	Part No.	Qty.	Description Of Part
	9020-6737	1	FOWARD REVERSE CONTROL VALVE, (includes all items)
1	9002-6155	4	HEX HD CAPSCREW, 3/8-16 x 5
	8855-1011	4	LOCKWASHER, 3/8
2	9020-8137	1	OUTLET SECTION
3	8866-2180	2	HEX HD PLUG, (includes o-ring)
	8859-1210	2	O-RING
* 4	9020-8191	1	WORK SECTION
5	9020-6423	4	O-RING
6	9020-6422	2	O-RING
7	9020-8139	2	PORT RELIEF CARTRIDGE, (two backup & one o-ring)
8	9020-8140	2	REMOTE HYDRAULIC ACTUATOR
9	9020-8141	1	INLET SECTION
10	9103-3040	1	PLUG, (not shown), (replaces anticavitation check)



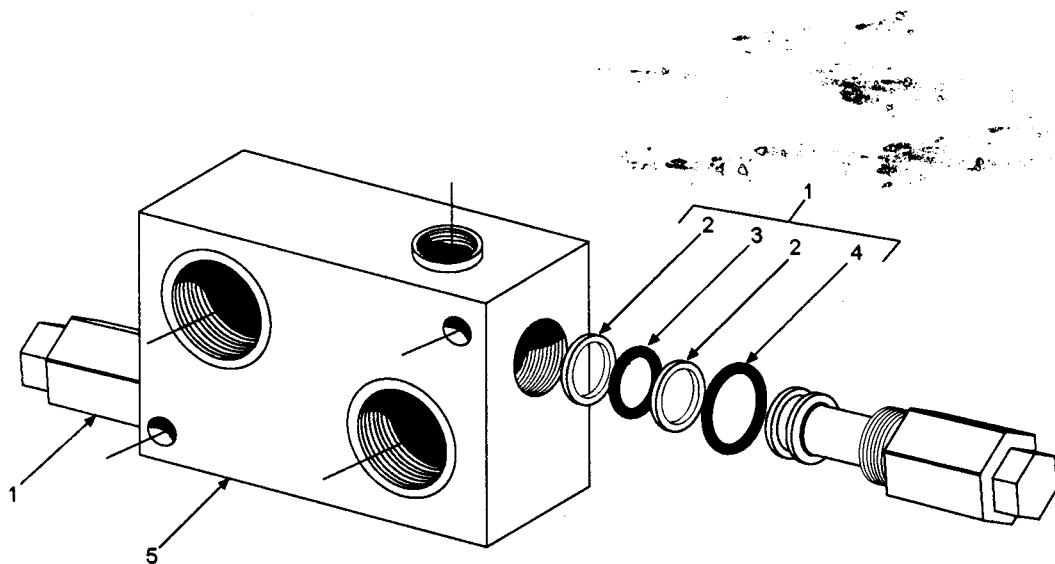
Item	Part No.	Qty.	Description Of Part
1	9020-6738	1	SERIES PARALLEL VALVE
1	NSS	1	- HOUSING
2	NSS	1	- SPOOL
3	9020-8060	2	- O-RING
4	9020-8058	2	- PLUG
5	9020-8065	4	- O-RING
6	9020-8062	2	- SPACER
7	9020-8064	2	- SPRING
8	9020-8061	2	- TUBE
9	9020-8059	2	- CAP
10	9020-8063	4	- SCREW
11	8866-2064	2	ELBOW - 90 DEGREES (includes o-ring)
	8859-1204	2	O-RING



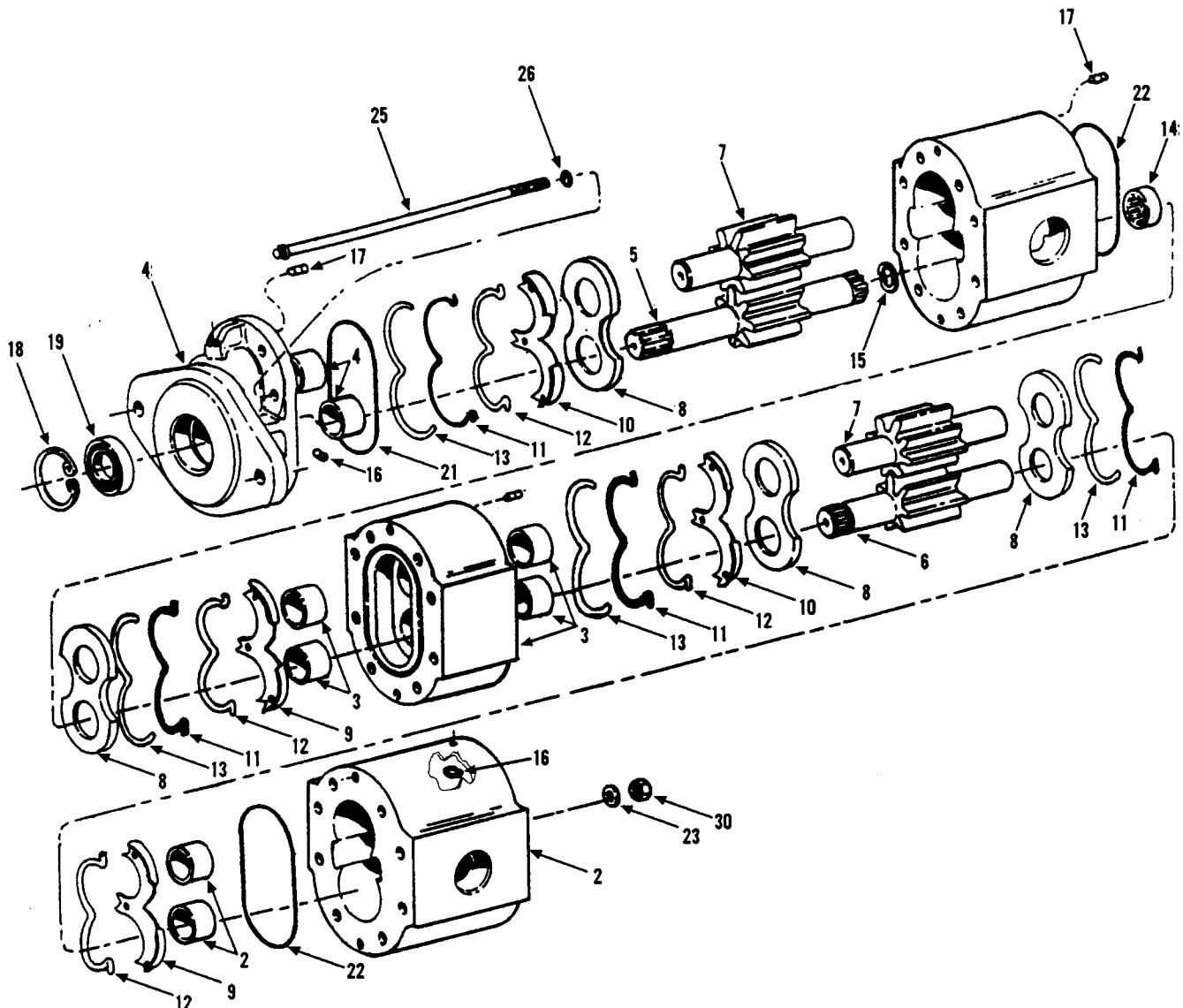
Item	Part No.	Qty.	Description Of Part
	9020-6739	1	SOLENOID VALVE ASSY, THREE WAY- TWO POSITION (includes all items)
1	9104-4001	1	SEAL KIT
	9020-8066	1	NUT
2	9020-8067	1	NAME PLATE
3	7738-4267	1	SOLENOID COIL ASSY
4	9020-8071	1	VALVE ASSY
5	9020-8072	1	VALVE BODY



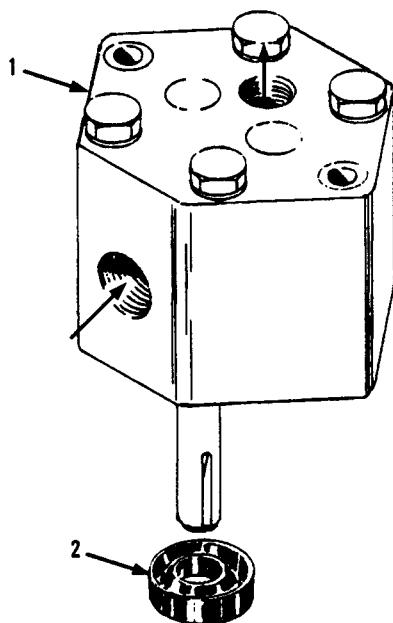
Item	Part No.	Qty.	Description Of Part
	9020-7314		REAR DRIVE MAIN RELIEF VALVE (includes items 1 thru 19)
1	8850-1406	2	HEX JAM NUT, 3/8-24
2	9020-8040	1	HEAD
3	9020-8041	1	O-RING
4	9020-8042	1	ADJUSTING SCREW
5	9020-8043	1	SHIM
6	9020-8044	1	O-RING
7	9020-8045	1	SPRING
8	9020-8046	1	CONE
9	9020-8047	1	SEAT
10	9020-8048	1	SCREW
11	9020-8049	1	CAP
12	9002-7462	2	PIPE PLUG
13	9020-8050	1	O-RING
14	9020-8051	1	PIN
15	9020-8052	1	SPRING
16	9020-8053	1	PISTON
17	9020-8054	1	SEAT
18	9020-8055	1	O-RING
19	9020-8056	1	VALVE BODY
20	9020-8057	AR	SEAL KIT (consists of items 3, 6, 13 & 18)



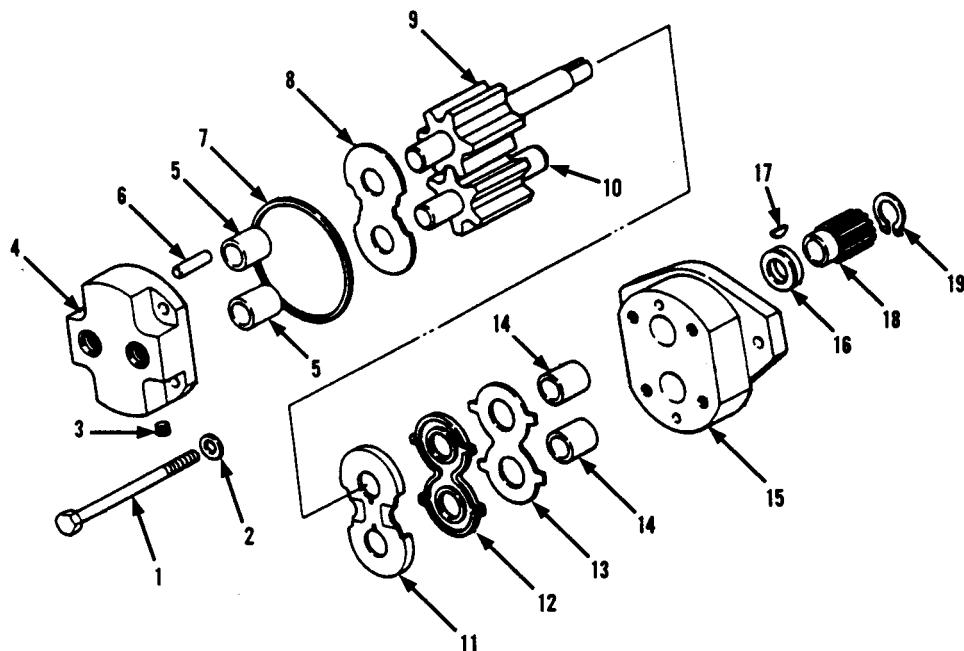
Item	Part No.	Qty.	Description Of Part
	9060-2706	1	CROSSOVER RELIEF VALVE (includes all items)
1	9020-3440	2	RELIEF CARTRIDGE (with seals)
2	9020-3437	4	BACK-UP RING (2 per cartridge)
3	9020-3438	2	O-RING (1 per cartridge)
4	9020-3439	2	O-RING (1 per cartridge)
5	NSS	1	BODY



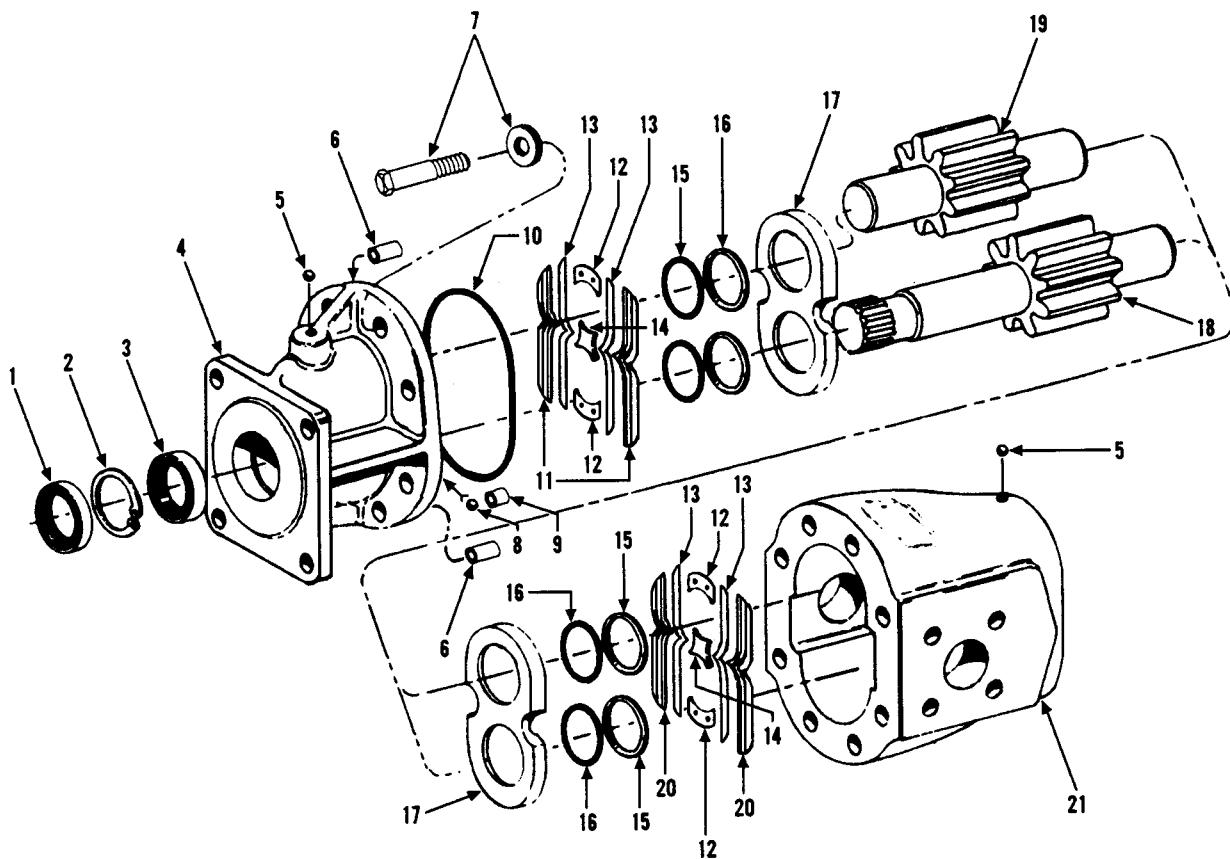
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-7615	1	MAIN HYDRAULIC PUMP (includes all items)	13	9020-2404	4	BACK-UP RING
1	9020-8026	1	FRONT GEAR BODY (includes bushings)	14	9104-4218	1	SPLINE COUPLING
2	9020-2417	1	REAR GEAR BODY (includes bushings)	15	9020-2402	1	SNAP RING
3	9020-2419	1	BRG. PLATE (includes bushings)	16	9020-2435	2	BALL, 1/4"
4	9104-4211	1	FLANGE	17	9020-2376	6	DOWEL
5	9020-8030	1	DRIVE GEAR (front)	18	9020-2371	1	SEAL
6	9020-2416	1	DRIVE GEAR (rear)	19	9020-2372	1	SNAP RING
7	9020-2415	2	IDLER GEAR	20	9020-2398	8	HEX NUT, 1/2-20
8	9104-4220	4	PRESSURE PLATE	21	9020-2379	1	O-RING
9	9020-2406	2	ISOLATION PLATE (top)	22	9020-2396	2	O-RING
10	9020-2407	2	ISOLATION PLATE (bottom)	23	9104-4222	1	FLATWASHER
11	9020-2403	4	O-RING SEAL	24	9104-4213	1	PLUG (not shown)
12	9020-2405	4	RETAINER RING	25	9020-8038	8	STUD
				26	9020-2383	8	O-RING



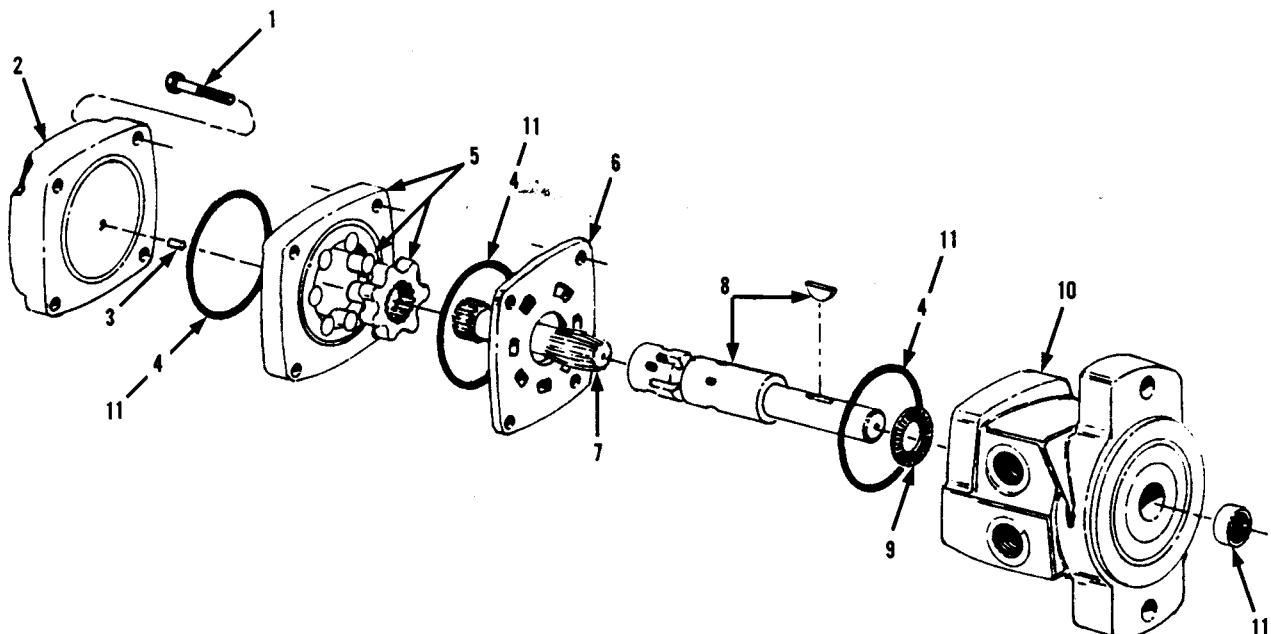
Item	Part No.	Qty.	Description Of Part
1	9040-3305	1	AUXILIARY HYDRAULIC PUMP
2	9020-8039	1	SEAL



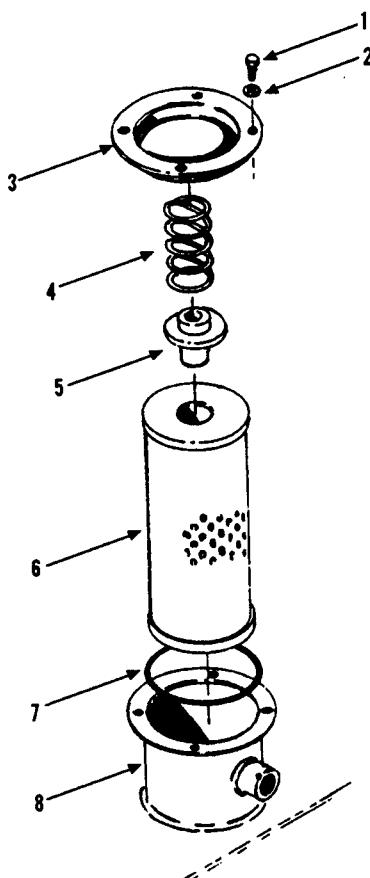
Item	Part No.	Qty.	Description Of Part
	9103-3122	1	PILOT PUMP ASSY (includes all items)
	9103-4019	1	SEAL KIT (includes items 7, 12, 13, 16 & 17)
1	8820-1038	4	HEX HD CAPSCREW, 3/8-16X1-3/4, GR5 (lubricate and torque to 34-38 ft. lbs.)
2	9103-4058	4	WASHER
3	9103-4059	1	PIPE PLUG
4	9103-4060	1	REAR COVER ASSY (includes item 5)
5	9103-4061	2	SLEEVE BEARING
6	9103-4062	2	DOWEL PIN
7		1	SQUARE CUT RING
8	9103-4063	1	THRUST PLATE (install with bronze side facing gear)
9	9103-4064	1	DRIVE GEAR
10	9103-4065	1	DRIVEN GEAR
11	9103-4066	1	WEAR PLATE
12		1	LOADING SEAL SPACER
13		1	LOADING SEAL
14	9103-4061	2	SLEEVE BEARING
15	9103-4067	1	BODY ASSY (includes item 14)
16		1	SHAFT SEAL
17		1	WOODRUFF KEY
18	9103-4068	1	DRIVE COUPLING
19	9103-4069	1	EXTERNAL RETAINING RING
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE.			



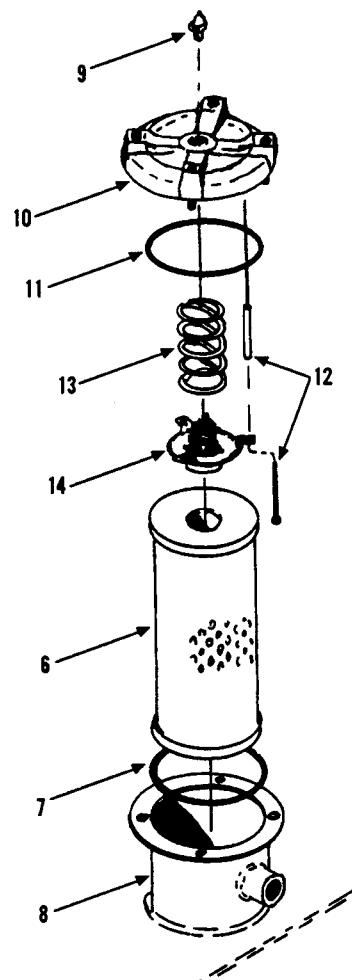
Item	Part No.	Qty.	Description Of Part
	9020-6748		REAR DRIVE MOTOR (includes all items)
1	9020-2371	1	SHAFT SEAL (outer)
2	9020-2372	1	SNAP RING
3	9020-5716	1	SHAFT SEAL (inner)
4	9020-8193	1	FLANGE (with bushings)
5	9020-2435	2	BALL, 1/4"
6	9020-2376	2	DOWEL
7	9002-7736	8	HEX HD CAPSCREW, 1/2-13x1-1/4 GR8
	9104-4222	8	WASHER
8	9020-2377	2	CHECK BALL, 1/2"
9	9020-2378	2	CHECK BALL RETAINER
10	9020-2379	1	O-RING
11	9020-2390	2	TOP ISOLATION PLATE
12	9020-2391	4	END SEPARATOR
13	9020-2393	4	SEALING STRIP
14	9020-2392	2	CENTER SEPERATOR
15	9020-8194	4	O-RING
16	9020-2381	4	BACK-UP RING
17	9020-2382	2	PRSSURE PLATE
18	9020-8196	1	DRIVE GEAR
19	9020-8197	1	IDLER GEAR
20	9020-2389	2	BOTTOM ISOLATION PLATE
21	9020-8198	1	BODY (with bushings)



Item	Part No.	Qty.	Description Of Part
1	9020-7879 8320-1057	1	WINCH MOTOR (includes all items)
		4	HEX HD CAPSCREW, 3/8-16x2, GR8
2	9020-8203	1	END COVER
3	9020-8204	1	PIN
4	9020-8205	3	SEAL
5	9020-8206	1	ROLLER - STATOR ASSY
6	9020-8207	1	WEAR PLATE
7	9020-8208	1	DRIVE LINK
8	9020-8209	1	SHAFT
9	9020-8210	1	THRUST BEARING
10	9020-8211	1	FRONT HOUSING
11	9020-8212	1	SHAFT SEAL KIT (includes item 4)



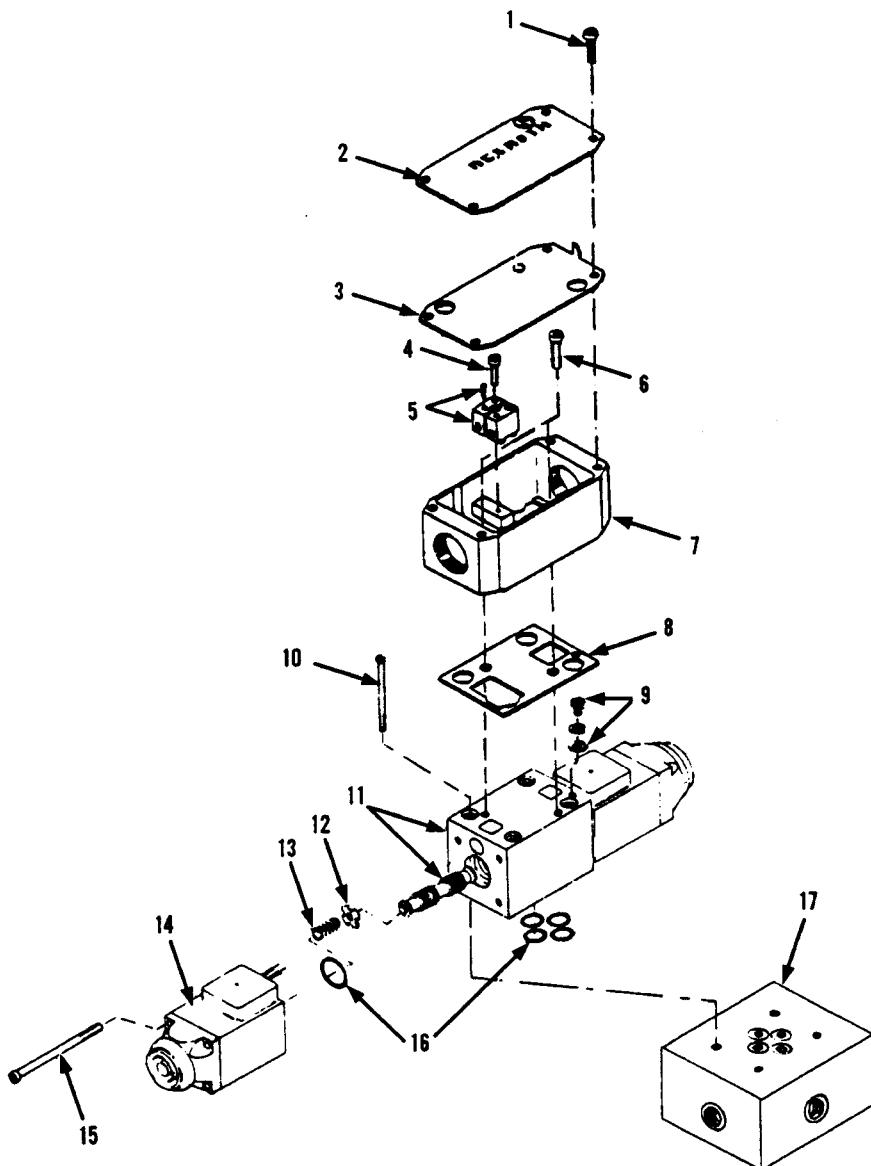
UNIT WITHOUT INDICATOR



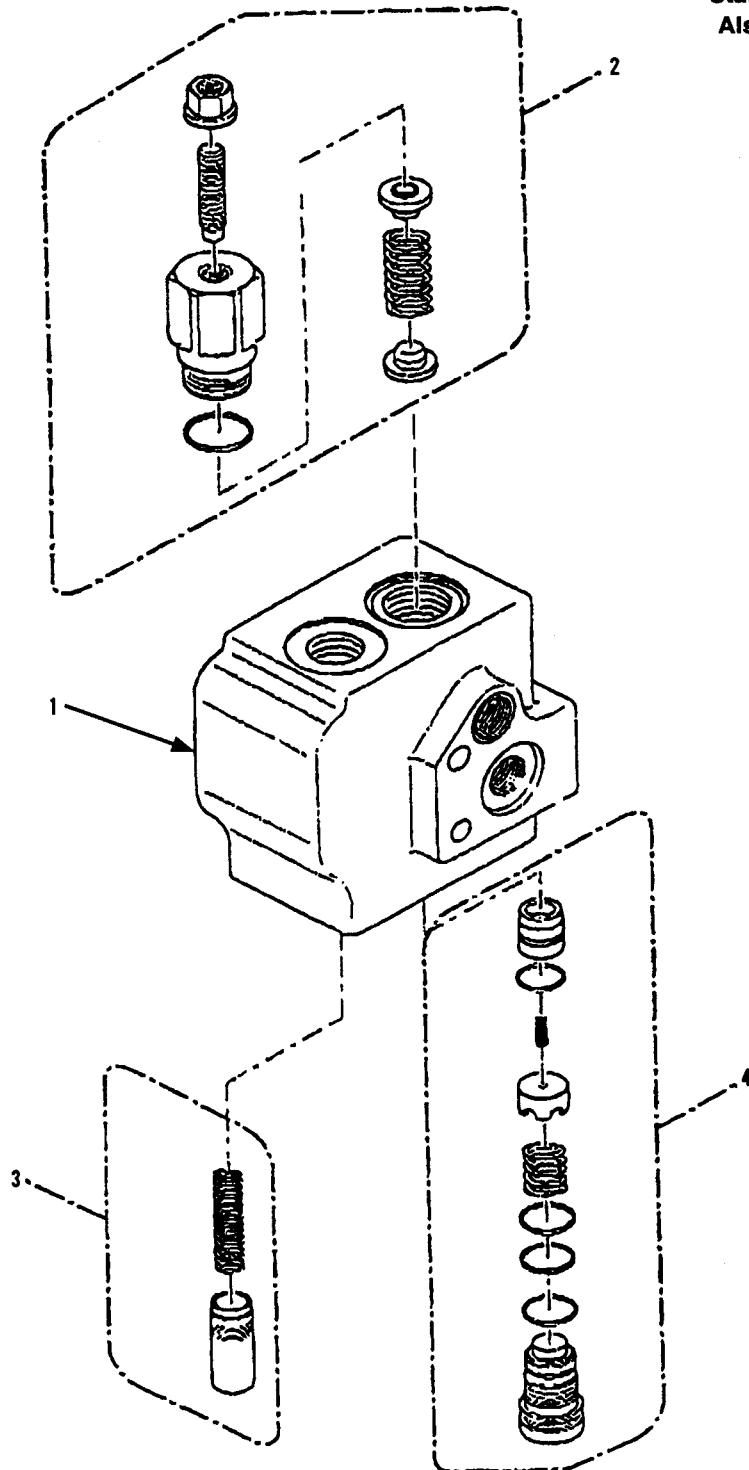
UNIT WITH POP-UP INDICATOR

Item	Part No.	Qty.	Description Of Part
1	8820-1018	4	HEX HD CAPSCREW, 5/16-18x3/4, GR5
2	8855-1010	4	LOCKWASHER, 5/16
3	9020-8200	1	CAP
4	9020-8201	1	SPRING
5	9020-8202	1	BYPASS VALVE
6	9103-3318	1	ELEMENT
7	9002-3246	1	O-RING
8	9103-5023	1	HYDRAULIC OIL TANK ASSY (before S/N 8444319)
	9103-5052	1	HYDRAULIC OIL TANK ASSY (S/N 8444319 thru 8644765)
	9103-5094	1	HYDRAULIC OIL TANK ASSY (starting S/N 8644766)
9	9103-4009	1	POP-UP INDICATOR
10	9103-4007	1	CAP ASSY (includes items 11&12)
11	9103-4329	1	O-RING
12	9103-4330	4	BOLT
13	9103-4010	1	SPRING
14	9103-4008	1	BYPASS VALVE

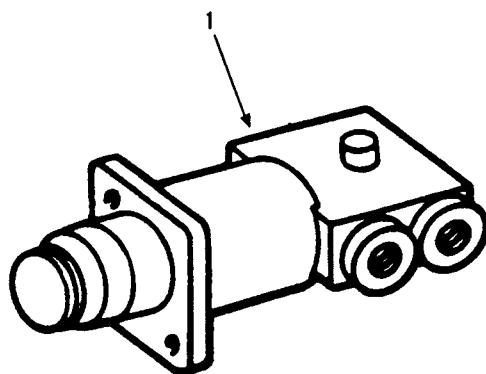
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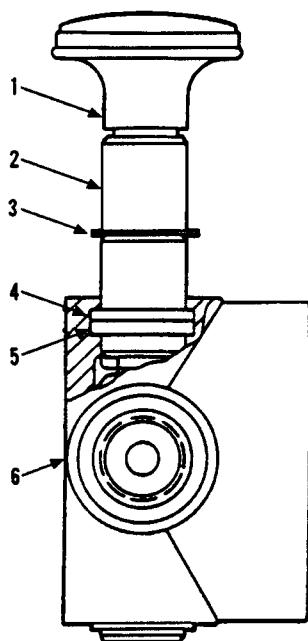
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3097	1	DIRECTIONAL CONTROL VALVE (includes all items)	9		1	GROUNDING SCREW, M4 x 6
2		4	SCREW M4 x16 x16	10		4	MOUNTING BOLT, 10-24x2
3	9103-4011	1	NAME PLATE	11	NSS	1	SPOOL & HOUSING
4		1	GASKET	12	9103-4014	2	SPACER
5	9103-4012	2	SCREW	13	9103-4015	2	SPRING
6		2	TERMINAL BLOCK	14	9103-4016	2	SOLENOID
7		2	SCREW, M4 x 15	15	9103-4017	8	SCREW, M4 x 65
8	9103-4013	1	TERMINAL BOX	16		1	O-RING KIT
			GASKET	17		1	MANIFOLD



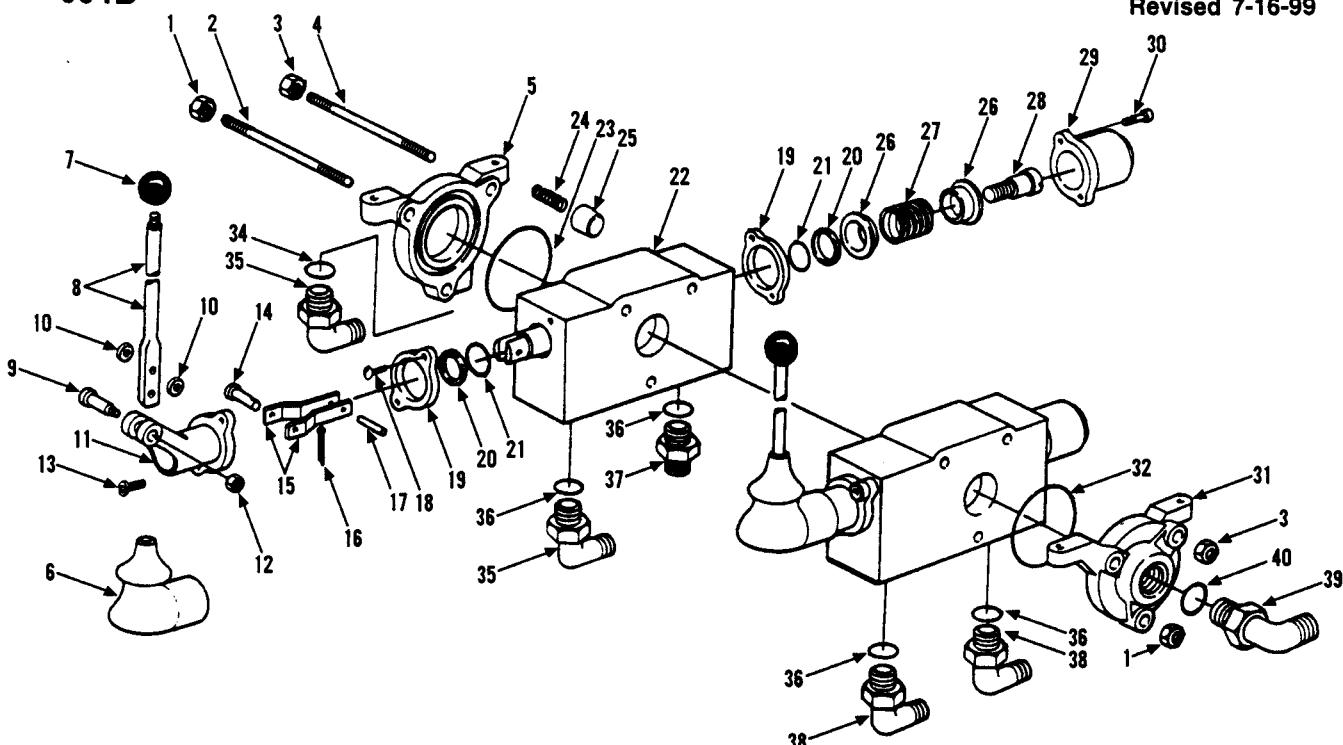
Item	Part No.	Qty.	Description Of Part
1	9104-3296	1	ACCUMULATOR CHARGE VALVE
2	9104-4538	1	L.G. SPRING REPAIR KIT
3	9104-4539	1	SPOOL & SM. SPRING REPAIR KIT
4	9104-4540	1	ELEMENT & SEAL KIT
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



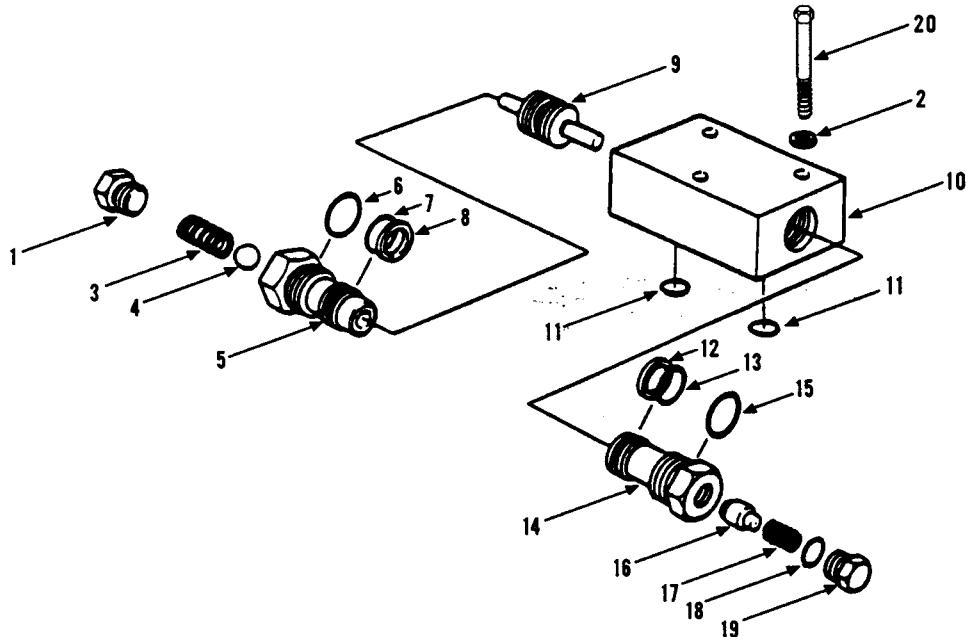
Item	Part No.	Qty.	Description Of Part
1	9103-3307	1	BRAKE VALVE ASSY (no service parts available)



Item	Part No.	Qty.	Description Of Part
	9104-3090	1	PARKING BRAKE VALVE (includes items 1 thru 6)
1	9104-4297	1	KNOB
2	9104-4126	1	SPOOL
3	9104-4127	1	RETAINING RING
4	9104-4128	1	BACK-UP RING
5	9104-4129	1	O-RING
6	9104-4130	1	HOUSING
7	9103-3378	1	RUBBER BOOT (not shown)

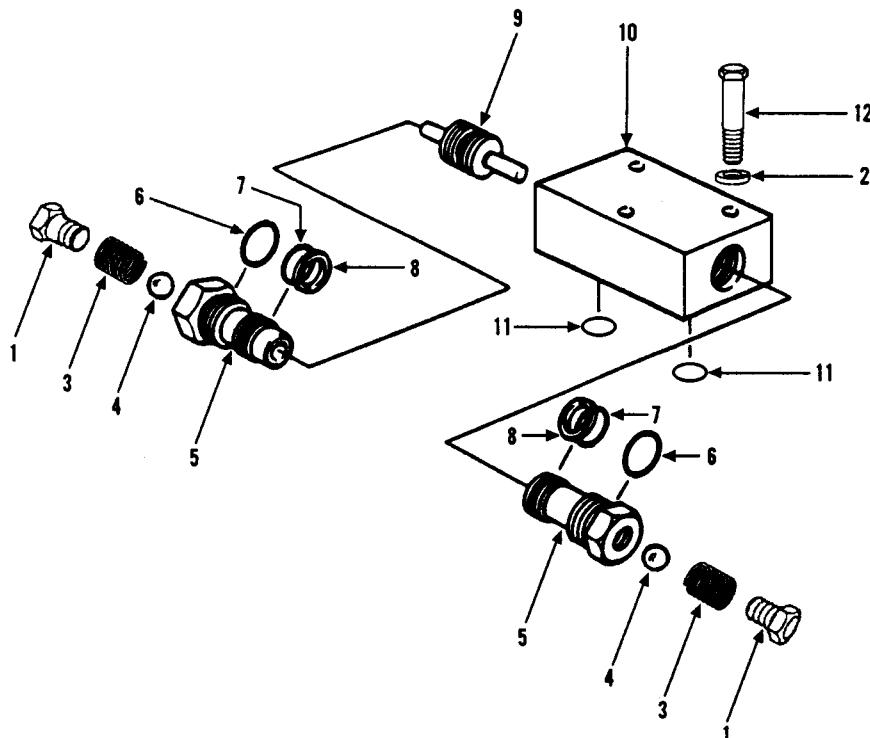


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9103-5090	1	OUTRIGGER CONTROL VALVE ASSY (includes all items)	26	9103-4135	2	SPRING SEAT
	9103-3144	1	OUTRIGGER CONTROL VALVE ASSY (includes item 1 thru 32)	27		1	SPRING
	9103-4124	1	TIE ROD KIT (includes items 1 thru 4)	28		1	SPOOL END
	9103-4125	2	HANDLE ASSY (includes items 6 thru 17)	29		1	SPOOL CAP
	9103-4126	2	SPOOL SECTION ASSY (includes items 18 thru 30)	30		2	SOCKET HD CAPSCREW
1		2	SPECIAL NUT	31		1	INLET HOUSING ASSY (includes item 32)
2		1	TIE ROD	32	9103-4132	1	O-RING
3		4	SPECIAL NUT	33	8866-2060	1	ELBOW, 90 DEGREES (includes item 34)
4		2	TIE ROD	34	8859-1206	1	O-RING
5		1	OUTLET SECTION	35	8866-2085	1	ELBOW, 45 DEGREES (includes item 36)
6	9103-4127	1	BOOT	36	8859-1205	4	O-RING
7	9103-4128	1	KNOB	37	8866-2036	1	CONNECTOR (includes item 36)
8	9103-4129	1	HANDLE BRACKET	38	8866-2065	2	ELBOW, 90 DEGREES (includes item 36)
9		1	PIVOT BOLT	39	8866-2067	1	ELBOW, 90 DEGREES (includes item 40)
10		2	FLAT WASHER	40	8859-1207	1	O-RING
11		1	HANDLE				NOTE: QUANTITIES ARE SHOWN FOR ONE HANDLE ASSY AND ONE SPOOL SECTION ASSY.
12		1	HEX NUT				NOTE: WHEN REPLACING A SPOOL SECTION, REMOVE SCREWS (18) AND REPLACE WITH SCREWS 13 TO SECURE THE HANDLE BRACKET.
13		2	SOCKET HD CAPSCREW				NOTE: ONLY PART NUMBERED PARTS ARE AVAILABLE FOR SERVICE REPLACEMENT.
14		1	PIN				
15		2	LINK				
16		1	RETAINER				
17		1	ROLL PIN				
18		2	ROUND HD MACHINE SCREW				
19		2	SEAL PLATE				
20	9103-4130	2	WIPER				
21	9103-4131	2	O-RING				
22		1	HOUSING & SPOOL ASSY (NOT SOLD SEPARATELY, ORDER P/N 9103-4126)				
23	9103-4132	1	O-RING				
24	9103-4133	1	SPRING				
25	9103-4134	1	O-RING				

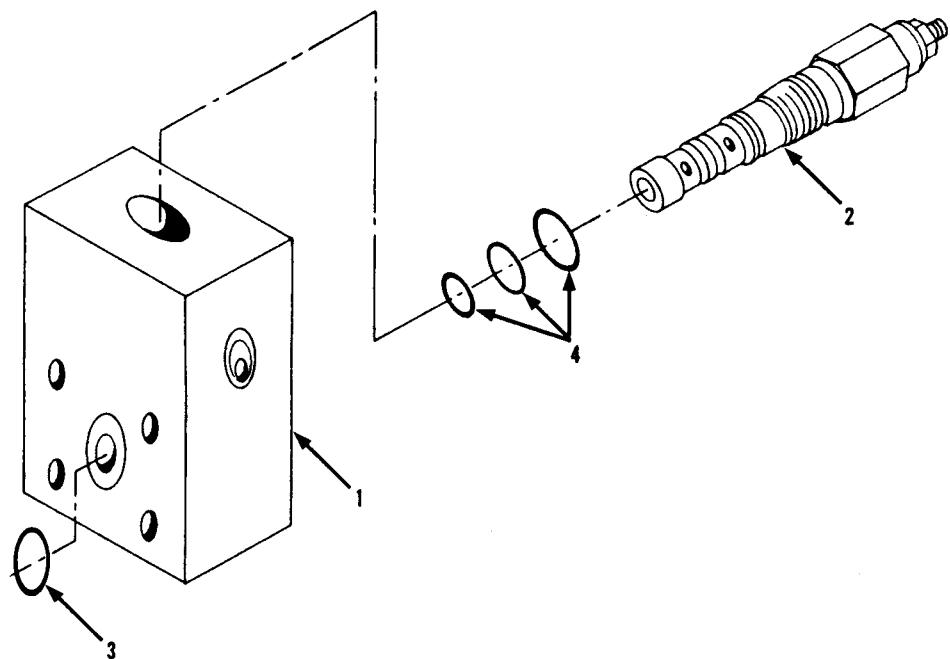


Item	Part No.	Qty.	Description Of Part
	9104-3258		DUAL P.O. CHECK VALVE ASSY (includes all items except 2, 20)
	9104-4304		CHECK CARTRIDGE ASSY (includes items 1, 3, 4, 5, 6, 7, 8,)
	9103-4107		CHECK CARTRIDGE ASSY W/ THERMAL RELIEF (includes items 12 thru 19)
1	9104-4308	1	PLUG
2	8855-1011	3	LOCK WASHER, 3/8
3	9104-4309	1	SPRING
4	9103-4111	1	BALL
5	9103-4112	1	CARTRIDGE BODY
6	9104-4305	1	O-RING
7	9104-4306	1	O-RING
8	9104-4307	1	BACK-UP RING
9	9103-4116	1	PISTON
10	9103-4117	1	BODY

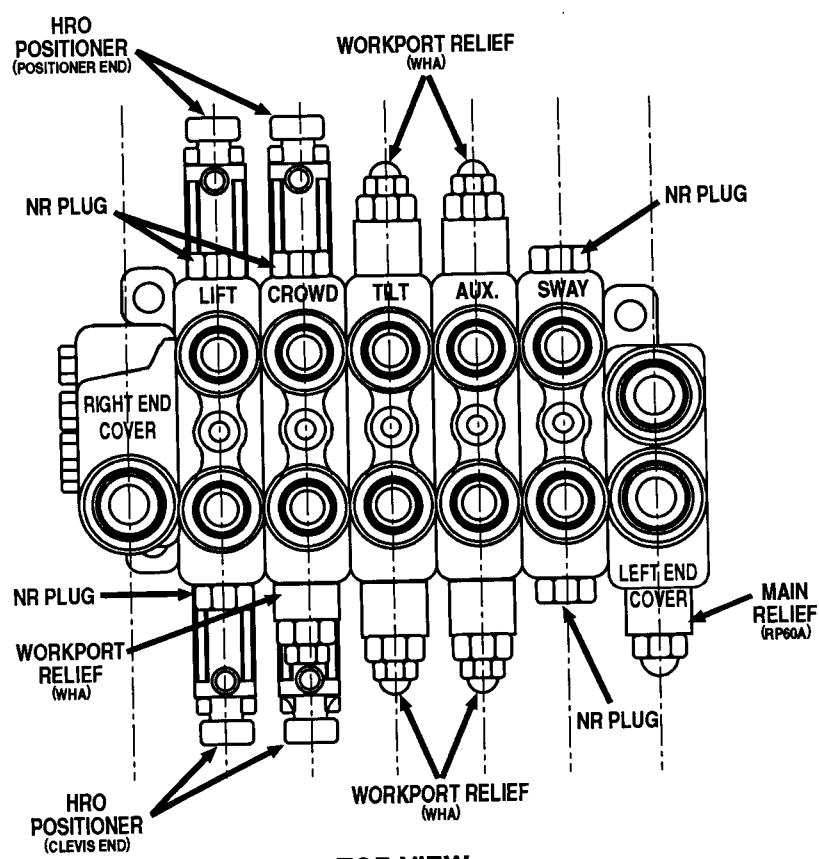
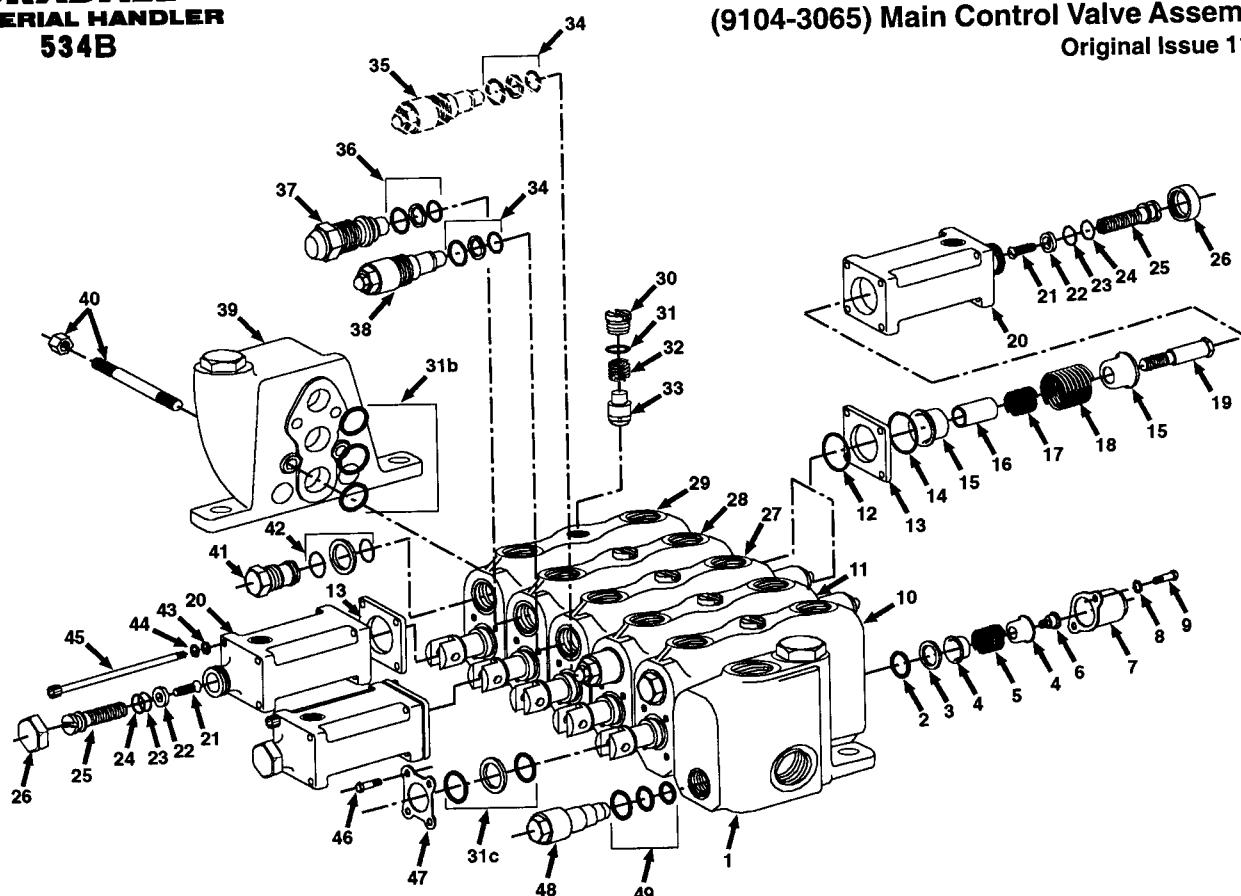
Item	Part No.	Qty.	Description Of Part
11	9103-4118	2	O-RING
12	9103-4115	1	BACK-UP RING
13	9103-4114	1	O-RING
14	9103-4112	1	CARTRIDGE BODY
15	9103-4113	1	O-RING
16	9103-4119	1	THERMAL RELIEF ASSY
17	9103-4120	1	SPRING
18	9103-4109	1	O-RING
19	9103-4121	1	PLUG
20	8820-1040	3	HEX HD CAPSCREW, 3/8-16x2-1/4 GR5
21	8855-1011	3	LOCKWASHER, 3/8
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



Item	Part No.	Qty.	Description Of Part
	9105-3354	2	DUAL P.O. CHECK VALVE ASSY (includes all items except items 2, 12)
1	9103-4272	1	PLUG
2	8855-1011	3	LOCKWASHER, 3/8
3	9103-4110	1	SPRING
4	9103-4111	1	BALL
5	9103-4112	1	CARTRIDGE BODY
6	9103-4113	1	O-RING
7	9103-4114	1	O-RING
8	9103-4115	1	BACK-UP RING
9	9103-4116	1	PISTON
10	9103-4117	1	BODY
11	9103-4273	2	O-RING
12	8820-1041	3	HEX HD CAPSCREW, 3/8-16x2-1/2, GR5
NOTE: ONLY PART NUMBERED ITEMS ARE AVAILABLE FOR SERVICE REPLACEMENT.			



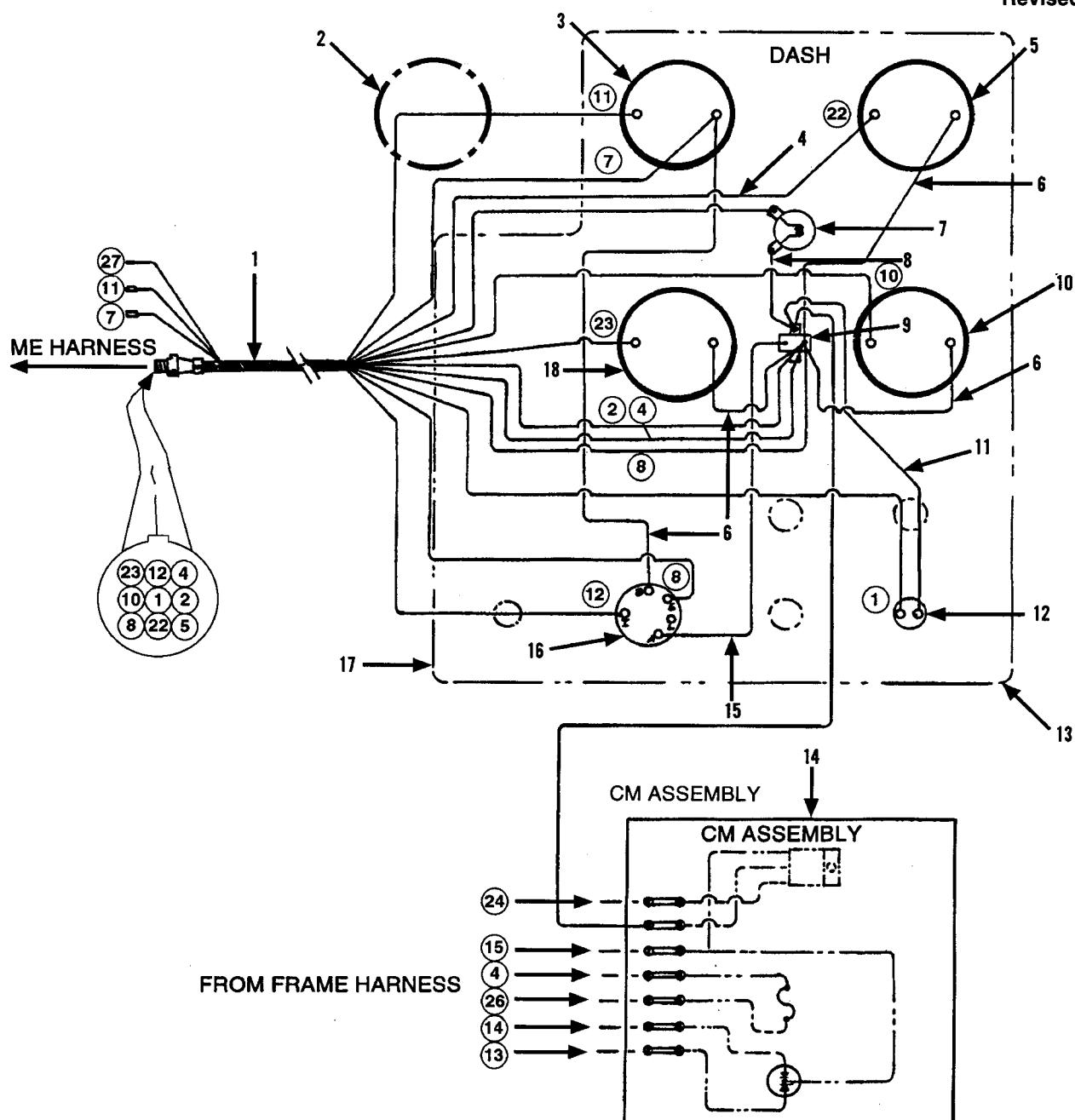
Item	Part No.	Qty.	Description Of Part
1	9104-3232	1	COUNTERBALANCE VALVE
2	9104-3245	1	LOAD CONTROL VALVE
3	8859-1102	1	O-RING
4	9103-4276	1	SEAL KIT



TOP VIEW

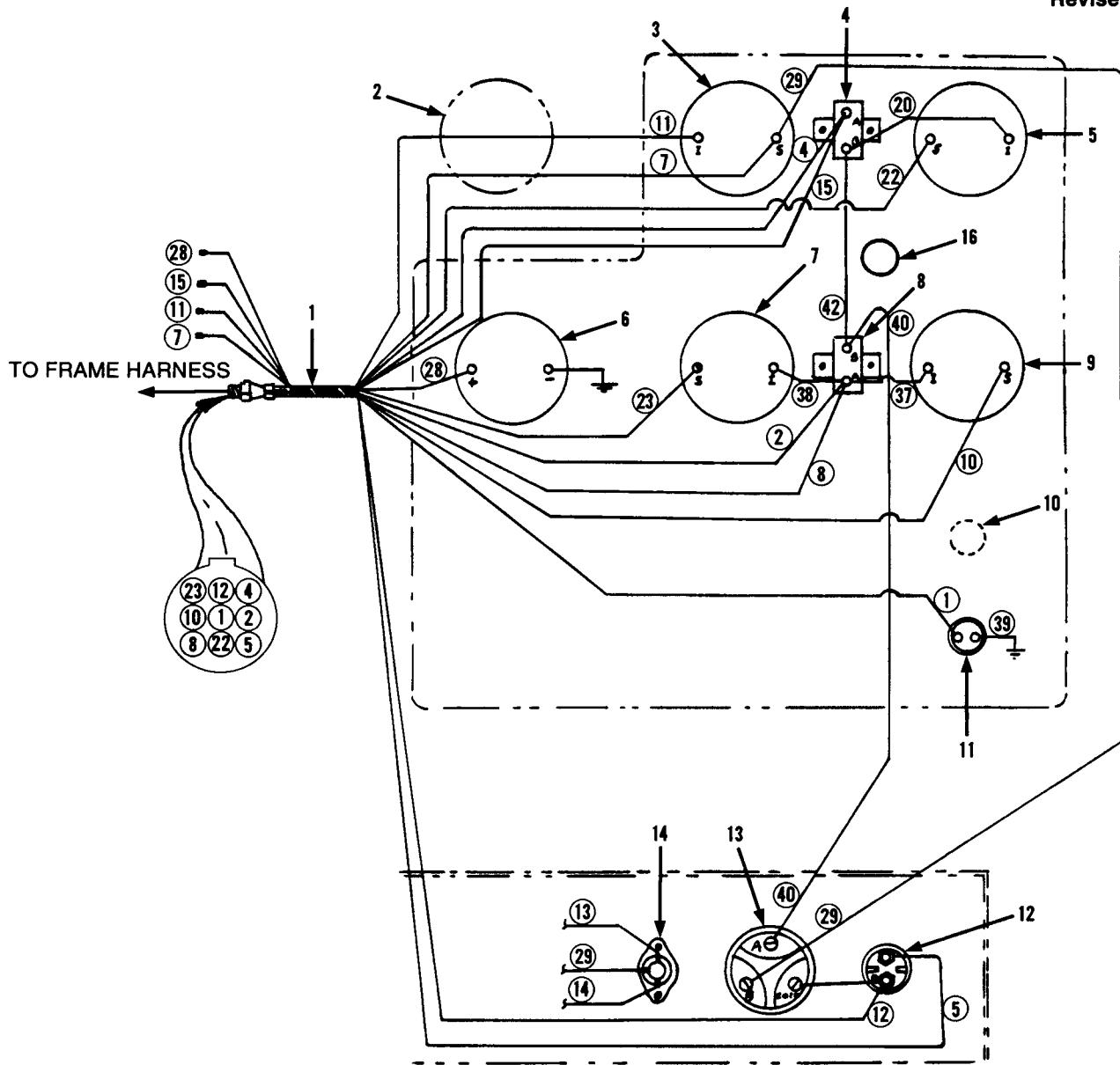
ARTWORK ON PREVIOUS PAGE

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9104-3065	1	MAIN CONTROL VALVE ASSY, (includes all items)	14			O-RING
	9020-6417	AR	SEAL KIT, (includes items 31, 31b, & 31c)	15	9104-4521	2	STOP COLLAR
	9104-4123	AR	SECTION SEAL KIT, (includes items 31b)	16	9104-4520	2	STOP SLEEVE
	9103-4159	AR	SPOOL SEAL KIT, (includes items 31c)	17	9104-4519	2	SPRING
	9020-6419	AR	RETAINER PLATE ASSY, (includes items 46 & 47)	18	9104-4518	2	SPRING
	9104-4509	AR	HRO POSITIONER SEAL KIT, (includes items 12, 14, 23, & 24)	19	9104-4517	2	POSITIONER SPUD
	9104-4526	AR	NR PLUG KIT, (includes items 41 & 42)	20	9104-4515	4	BONNET
	9104-4527	AR	NR PLUG SEAL KIT, (items 42)	21	9104-4513	4	SCREW, COUNTER SUNK
	9020-6427	3	NEUTRAL POSITIONER KIT, (includes items 2 thru 9)	22	9104-4514	4	TRAVEL STOP
	9104-4510	2	HRO POSITIONER KIT, SPOOL POSITIONER END, (includes items 12 thru 26)	23		4	O-RING
	9104-4534	2	HRO POSITIONER KIT, CLEVIS END, (includes items 13, 20 thru 26, 43, 44, & 45)	24		4	BACK-UP RING
	9104-4530	AR	WHA TYPE PORT RELIEF VALVE SEAL KIT, (includes items 36)	25	9104-4512	2	SCREW
	9104-4533	AR	WHA PORT RELIEF VALVE SEAL KIT, (includes items 34)	26	9104-4511	4	BOOT
	9103-4236	AR	MAIN RELIEF VALVE SEAL KIT, (includes items 49)	27	9104-4119	1	TIILT SECTION
1	9104-4114	1	COVER PLATE ASSY, (left end), (includes item 48 & 49)	28	9104-4121	1	CROWD SECTION
2		3	O-RING	29	9104-4122	1	LIFT SECTION
3		3	WASHER	30	9104-4535	5	LOAD CHECK PLUG
4		3	SPRING COLLAR	31		5	O-RING
5		3	SPRING	32		5	SPRING
6		3	SPOOL COLLAR	33		5	5 POPPET
7		3	BONNET	34	AR		WHA RELIEF SEALS
8		6	LOCKWASHER	35	9104-4531	2	WHA RELIEF, (1500 p.s.i.)
9		6	SCREW	36	AR		WH RELIEF SEALS
10	9020-6421	1	SWAY SECTION	37	9104-4529	1	WH RELIEF, (2650 p.s.i.)
11	9104-4117	1	AUXILIARY SECTION	38	9104-4532	2	WHA RELIEF, (3250 p.s.i.)
12		4	O-RING	39	9104-4124	1	COVER PLATE ASSY, (right end)
13	9104-4516	4	SEALPLATE	40	9104-4125	1	STUD ASSY, (includes four studs & four nuts), (lubricate and torque to 23-27 ft. lbs.)
				41	9104-4526	5	NR PLUG
				42	AR		NR PLUG SEALS
				43	9108-4232	16	BEARING PLATE
				44	9108-4231	16	LOCKWASHER
				45	9104-4522	16	HEXHD CAPSCREW, 1/4-20X3-1/2
				46		12	CAPSCREW
				47		3	RETAINER PLATE
				48	900-8136	1	MAIN RELIEF VALVE ASSY
				49	9103-4236	1	MAIN RELIEF SEALS
							NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.



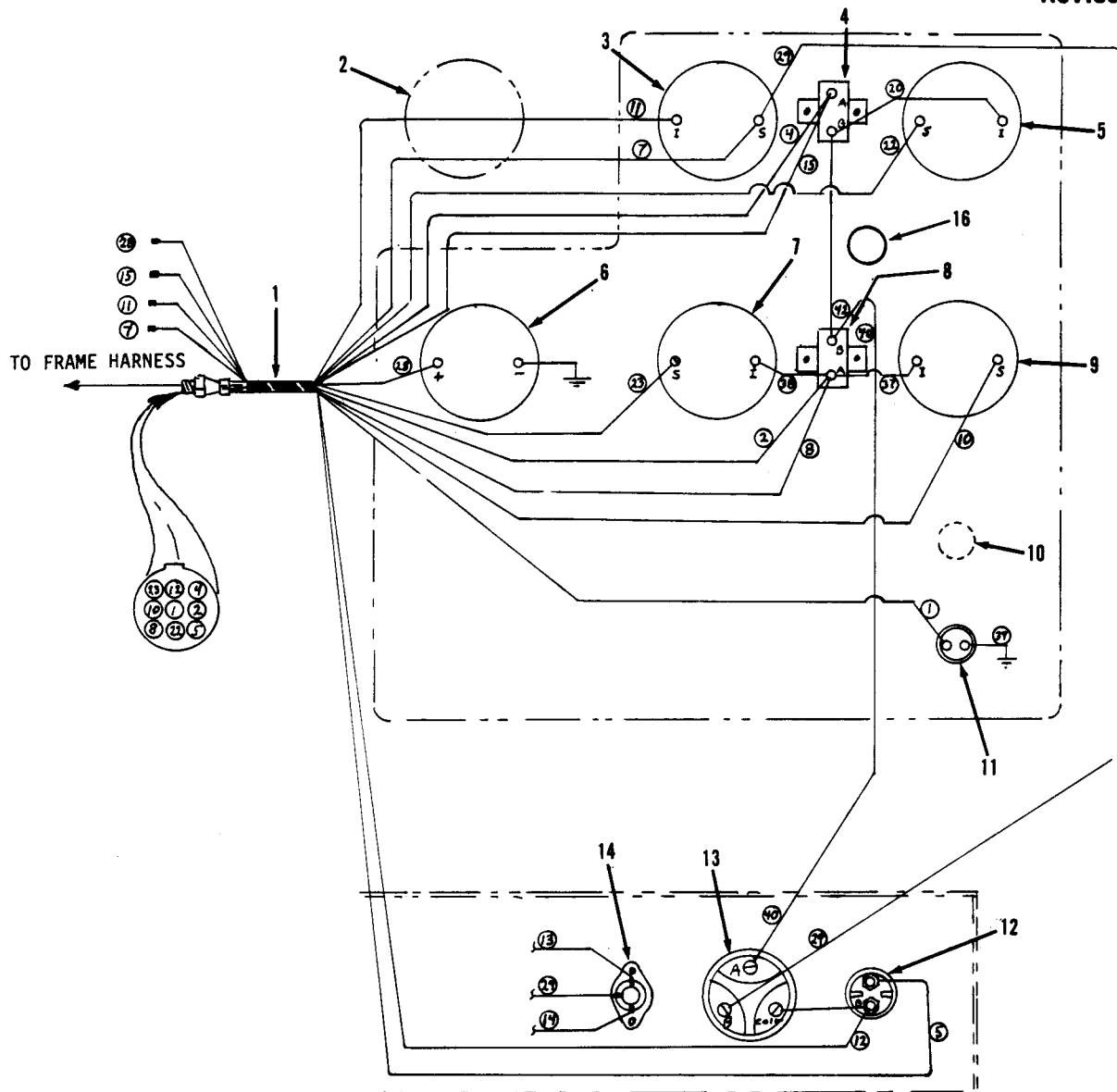
Item	Part No.	Qty.	Description Of Part
1	9060-2893	1	DASH HARNESS
2	9020-3923	1	TRANSMISSION TEMPERATURE GAUGE
3	9020-5685	1	AMP. GAUGE
4	9020-7857	1	JUMPER WIRE
5	9020-5686	1	FUEL GAUGE
6	9020-0351	2	JUMPER WIRE
7	9020-0192	1	BRAKE WARNING LIGHT
8	9020-0349	1	JUMPER WIRE
9	9020-0506	1	CIRCUIT BREAKER
10	9020-5690	1	OIL PRESSURE GAUGE

Item	Part No.	Qty.	Description Of Part
11	9020-0353	1	JUMPER WIRE
12	9020-0434	1	HORN BUTTON
13	9020-7866	1	GROUND WIRE
14	9040-3420	1	CM ASSEMBLY
15	9020-5661	1	JUMPER WIRE
16	9020-0170	1	IGNITION SWITCH
17	9040-3178	1	INSTRUMENT PANEL
18	9040-3130	1	INSTRUMENT PANEL DECAL
	9020-5687	1	TEMPERATURE GAUGE

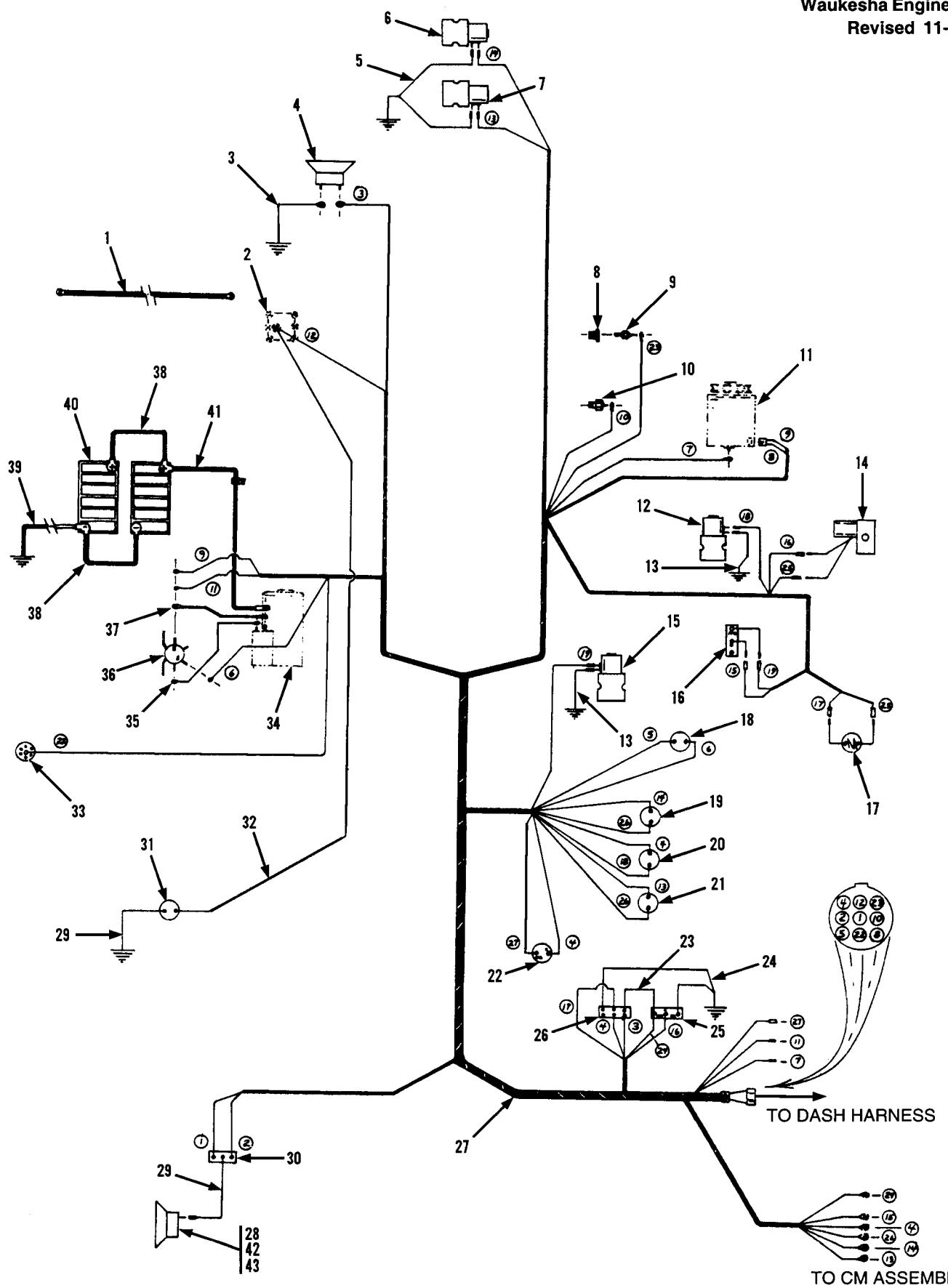


Item	Part No.	Qty.	Description Of Part
1	9103-3112	1	DASH HARNESS
2	9103-3282	1	TRANSMISSION TEMPERATURE GAUGE
3	9020-5685	1	AMP GAUGE
4	9103-3111	1	CIRCUIT BREAKER
5	9020-5686	1	FUEL GAUGE
6	9020-5688	1	HOUR GAUGE
7	9020-5687	1	WATER TEMPERATURE GAUGE
8	9020-0506	1	CIRCUIT BREAKER

Item	Part No.	Qty.	Description Of Part
9	9020-5690	1	OIL PRESSURE GAUGE (80 P.S.I.)
	9103-3247	1	OIL PRESSURE GAUGE (100 P.S.I.)
10	8666-1083	1	PLUG
11	9020-0434	1	HORN BUTTON
12	9020-5927	1	STARTER BUTTON
13	9103-3110	1	IGNITION SWITCH
14	9020-7646	1	BLACK BOX (diode)
15	9103-1102	1	INSTRUMENT PANEL
*16	9103-3084	1	BRAKE WARNING LIGHT



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3112	1	DASH HARNESS	9	9020-5690	1	OIL PRESSURE GAUGE (80 P.S.I.)
2	9103-3282	1	TRANSMISSION TEMPERATURE GAUGE	10	9103-3247	1	OIL PRESSURE GAUGE (100 P.S.I.)
3	9020-5685	1	AMP GAUGE	11	8666-1083	1	PLUG
4	9103-3111	1	CIRCUIT BREAKER	12	9020-0434	1	HORN BUTTON
5	9020-5686	1	FUEL GAUGE	13	9020-5927	1	STARTER BUTTON
6	9020-5688	1	HOUR GAUGE	14	9103-3110	1	IGNITION SWITCH
7	9020-5687	1	WATER TEMPERATURE GAUGE	15	9020-7646	1	BLACK BOX (diode)
8	9020-0506	1	CIRCUIT BREAKER	16	9103-1102	1	INSTRUMENT PANEL
					9103-3184	1	BRAKE WARNING LIGHT



* Revised part number on item 17; added items 42 and 43.

Item	Part No.	Qty.	Description Of Part
1	9020-0811	1	GROUND CABLE
2			FUEL SHUT OFF SWITCH, (comes with engine)
3	9020-6325	1	JUMPER WIRE
4	7722-3003	1	BACK-UP ALARM
5	9020-7717	1	JUMPER WIRE
6	9020-6739	1	SERIES SOLENOID VALVE
7	9020-6739	1	PARALLEL SOLENOID VALVE
8	8871-1381	1	
9	9020-6124	1	WATER TEMPERATURE SENDER
10	9103-3139	1	OIL PRESSURE SENDER
11			ALTERNATOR, (comes with engine)
12	9020-6739	1	CAVITATION SOLENOID VALVE
13	9020-7719	1	JUMPER WIRE
14	9020-7755	1	PILOT PRESSURE FORWARD REVERSE CONTROL
15	9020-6739	1	LOW TORQUE INCHING SOLENOID VALVE
16	9020-0616	1	LOW TORQUE INCHING SWITCH
*17	9020-7752	1	FORWARD REVERSE INCHING POT.
18	9020-4973	1	NUETRAL START SWITCH, (requires 2-8998-1036 pan head screws for connecting wires)
19	9103-3235	1	SECOND GEAR SWITCH
20	9103-3235	1	THIRD GEAR SWITCH
21	9103-3235	1	FIRST GEAR SWITCH
22	9020-7823	1	BRAKE PRESSURE SWITCH
23	9020-7524	1	JUMPER WIRE
24	9020-7773	1	JUMPER WIRE
25	9020-0616	1	FORWARD SWITCH
26	9020-7482	1	REVERSE SWITCH
27	9080-1336	1	ENGINE FRAME HARNESS
28	2492-1393	1	HORN
29	9020-2886	2	JUMPER WIRE
30	8866-1084	1	HORN RELAY
31	9020-5688	1	HOUR METER
32	9020-6079	1	JUMPER WIRE
33	9040-0654	1	FUEL GAUGE SENDER
34	9103-4057	1	STARTER
35	9020-5205	1	JUMPER WIRE
36	9040-2427	1	STARTER SOLENOID
37	9020-7497	1	JUMPER CABLE
38	8584-1094	2	CLAMP
39	9103-3042	1	CABLE
40			BATTERY, (purchase locally)
41	9103-3041	1	CABLE
*42	2492-1394	1	BRACKET
*43	2492-1395	1	NUT

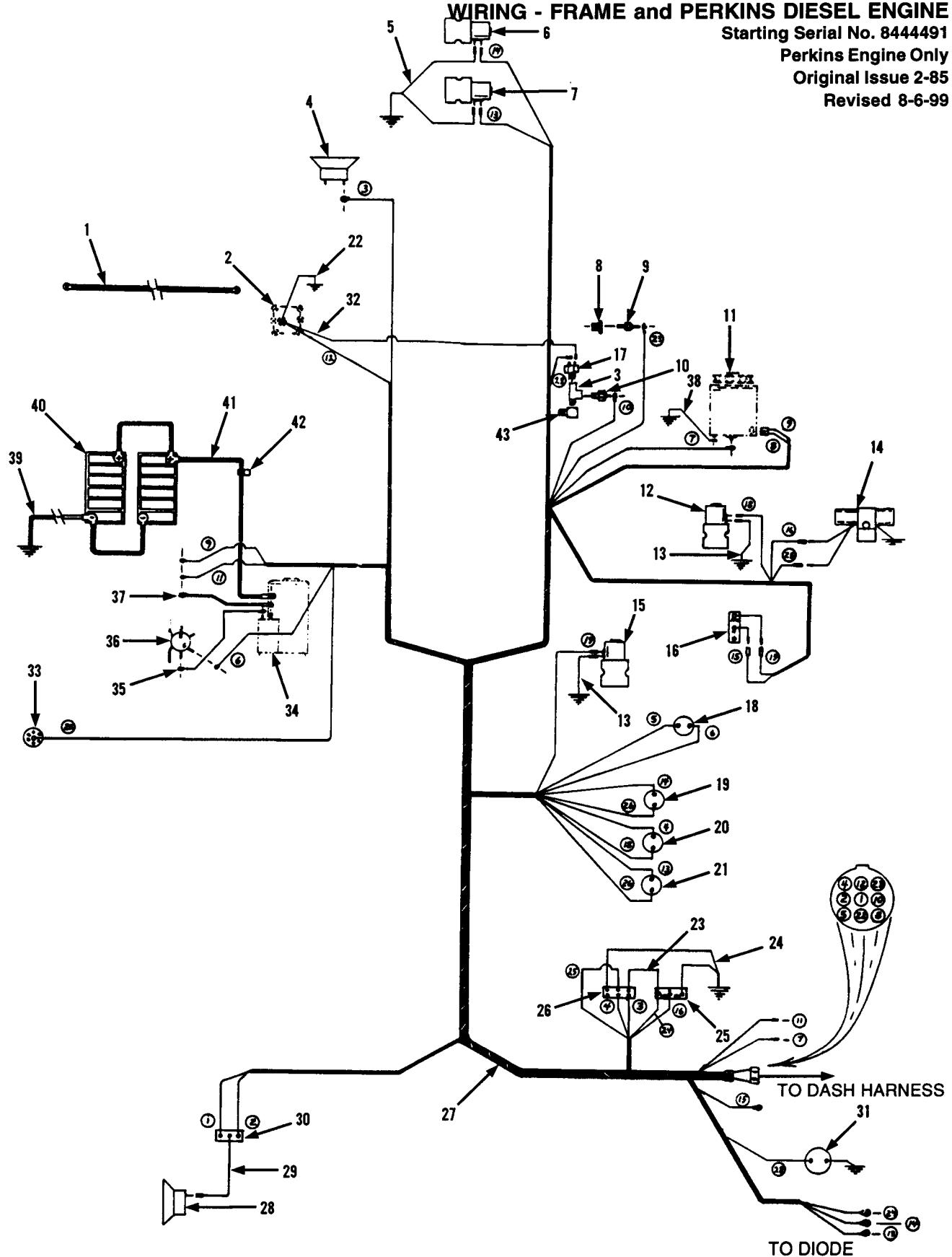
WIRING - FRAME and PERKINS DIESEL ENGINE

Starting Serial No. 8444491

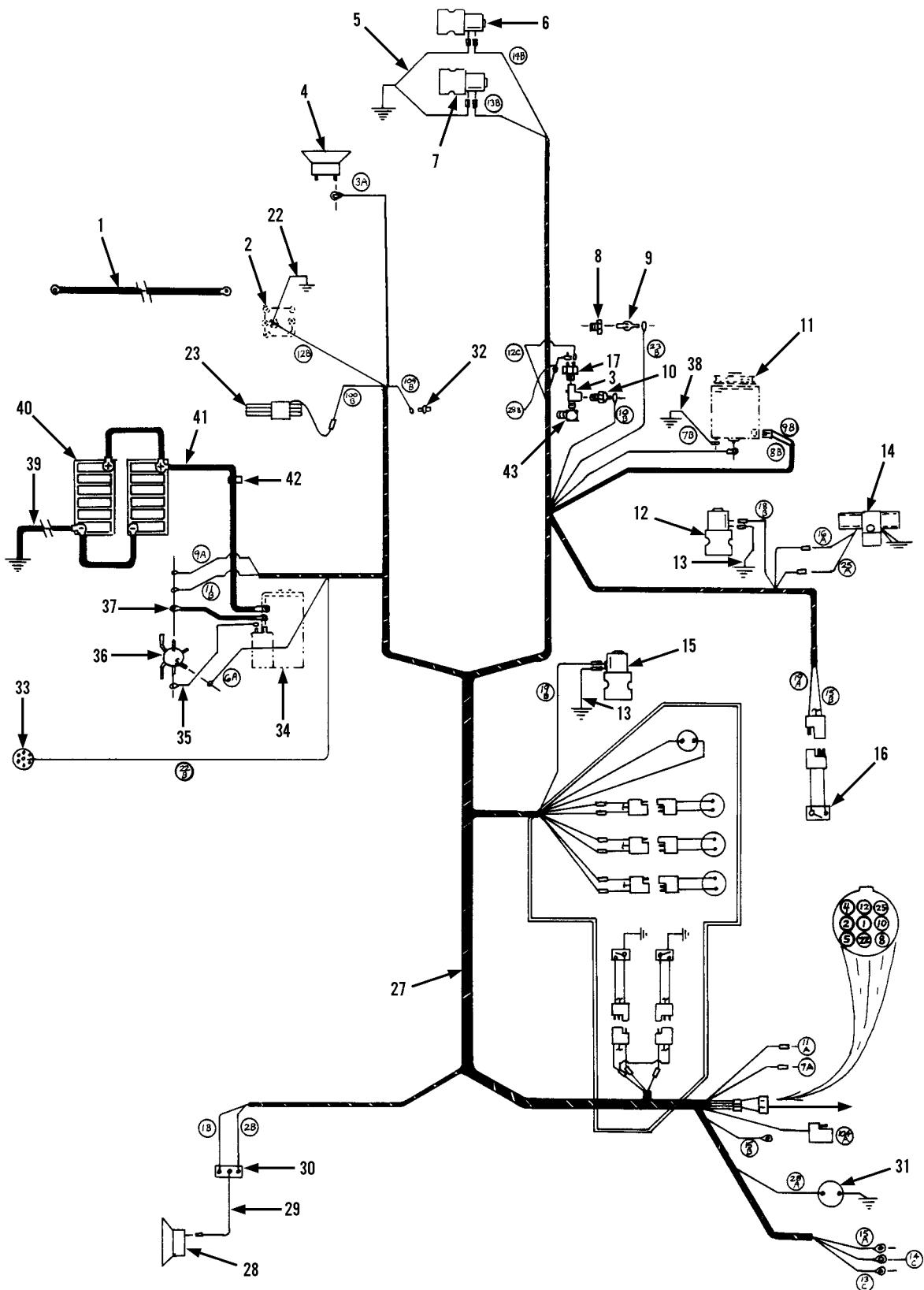
Perkins Engine Only

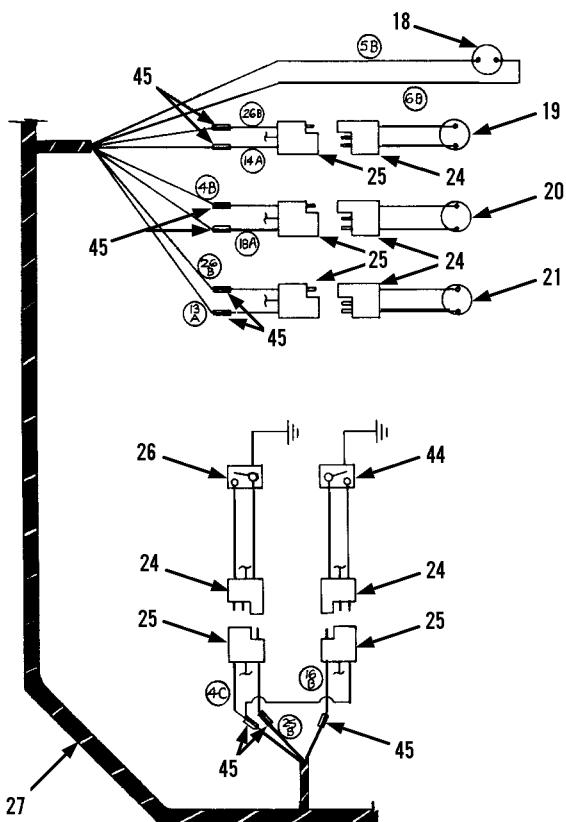
Original Issue 2-85

Revised 8-6-99



Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-0811	1	GROUND CABLE	24	9020-7773	1	JUMPER WIRE
2			FUEL SHUT OFF SWITCH (comes with engine)	25	9020-0616	1	FORWARD SWITCH (S/N 8444491 thru 8544670)
3	8871-2231	1	STREET TEE - 1/8	9103-3202		1	FORWARD SWITCH (starting S/N 8544671)
4	7722-3003	1	BACK-UP ALARM	26	9020-7482	1	REVERSE SWITCH (S/N 8444491 thru 8544670)
5	9020-7717	1	JUMPER WIRE	9103-3202		1	REVERSE SWITCH (starting S/N 8544671)
6	9020-6739	1	SERIES SOLENOID VALVE	27	9103-3079	1	ENGINE FRAME HARNESS
7	9020-6739	1	PARALLEL SOLENOID VALVE	28	2492-1393	1	HORN
8	8871-1383	1	REDUCING BUSHING 1/2X3/8	2492-1394		1	BRACKET
9	9020-6124	1	WATER TEMPERATURE SENDER	2492-1395		1	NUT
10	9103-3139	1	OIL PRESSURE SENDER	29	9020-2886	1	JUMPER WIRE
11	9103-3234	1	ALTERNATOR	30	8666-1084	1	HORN RELAY
12	9020-6739	1	CAVITATION SOLENOID VALVE	31	9020-5688	1	HOUR METER
13	9020-7719	1	JUMPER WIRE	32	9103-1198	1	JUMPER WIRE
14	9103-3097	1	PILOT PRESSURE FOWARD REVERSE CONTROL VALVE	33	8666-1143	1	TERMINAL ADAPTER
15	9020-6739	1	LOW TORQUE INCHING SOLENOID VALVE	34	9040-0654	1	FUEL GAUGE SENDER
16	9103-3098	1	TRANSMISSION DISCONNECT SWITCH	34	9103-3262	1	STARTER
	9103-3202	1	(starting S/N 8544670)	35	9020-5205	1	JUMPER WIRE
			TRANSMISSION DISCONNECT SWITCH	36	9040-2427	1	STARTER SOLENOID
			(starting S/N 8544671)	37	9020-7497	1	JUMPER CABLE
17	2474-1047	1	HOUR METER SWITCH	38	9020-7630	1	JUMPER CABLE
18	9020-4973	1	NEUTRAL START SWITCH	39	9103-3042	1	GROUND CABLE
	8998-1036	2	PAN HEAD SCREW	40		2	BATTERY (purchase locally)
19	9103-3235	1	SECOND GEAR SWITCH	41	9103-3086	1	POSITIVE CABLE
20	9103-3235	1	THIRD GEAR SWITCH	42	8584-1094	1	CLAMP
21	9103-3235	1	FIRST GEAR SWITCH	7710-3006		2	NUT
	9020-7225	3	SWITCH BOOT (not shown-used on 9020-6757 switches)	43	8869-1345	1	ELBOW - 90 DEGREES
22	9103-1197	1	JUMPER WIRE				NOTE: TO UPDATE MACHINES WITH OLD STYLE SWITCHES TO NEW STYLE SWITCHES. ORDER 9103-5110 MICROSWITCHES KIT.
23	9020-7524	1	JUMPER WIRE				

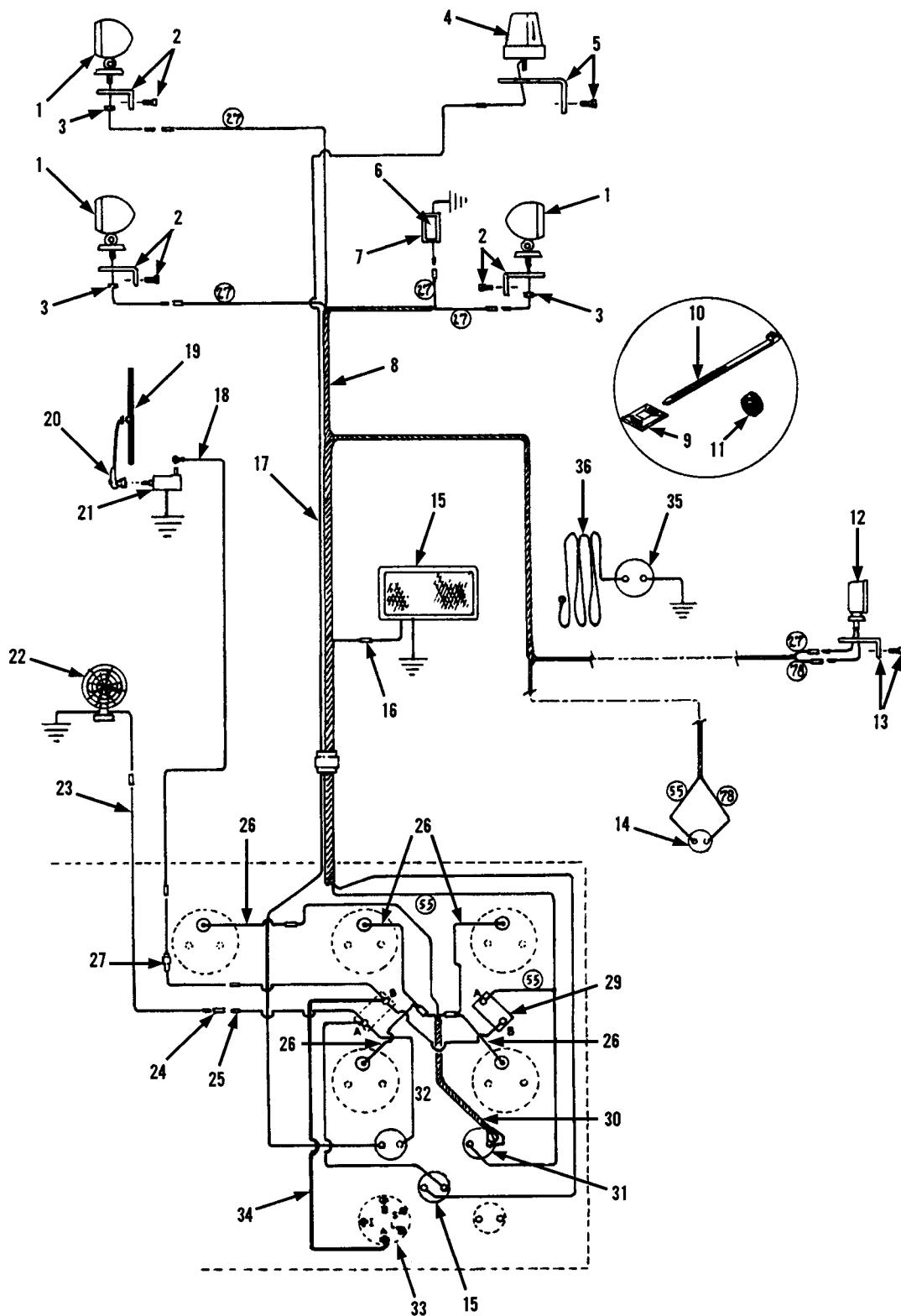




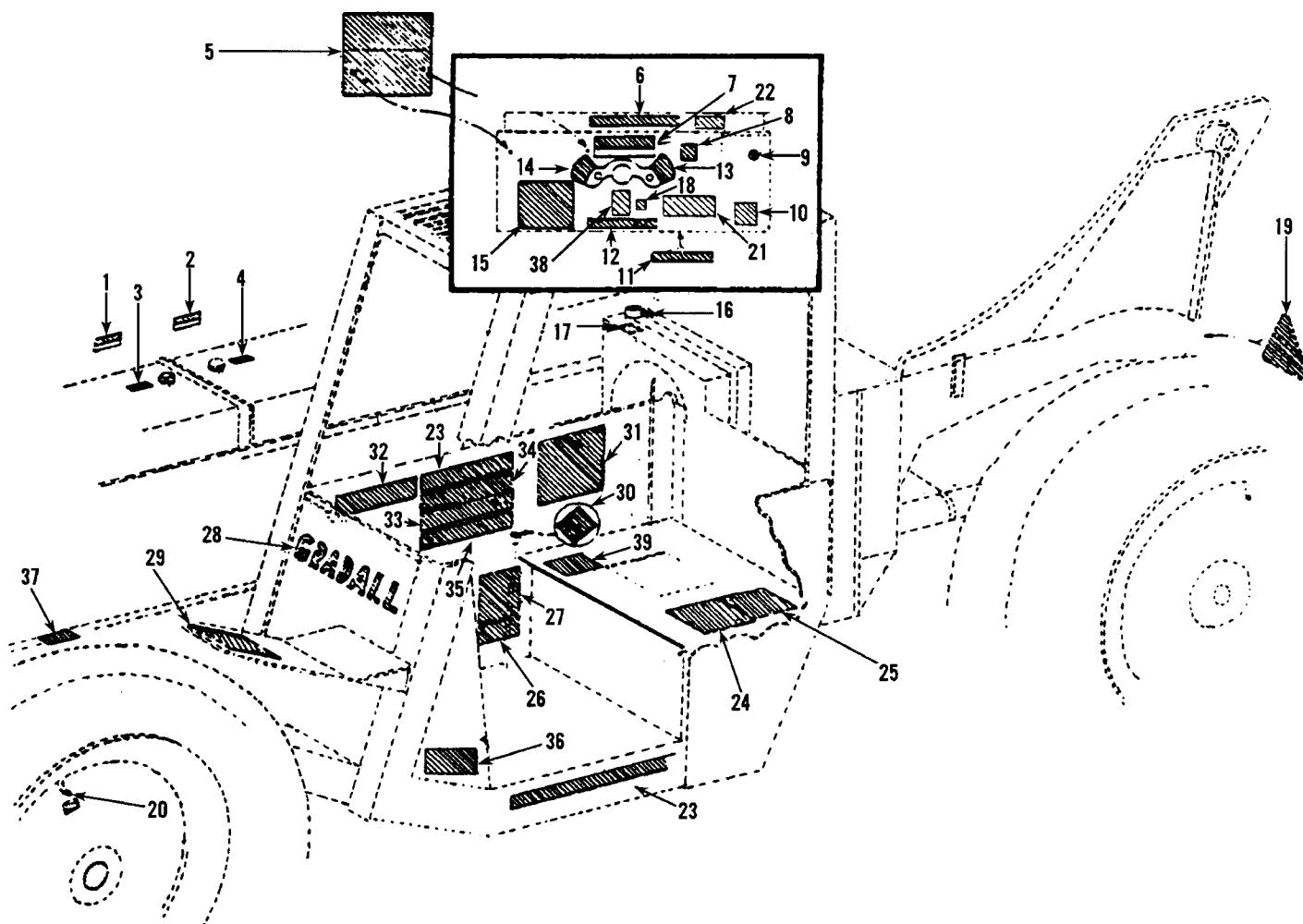
VIEW A

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9020-0811	1	GROUND CABLE	24	8348-3114	6	3 WAY CONNECTOR, (male)
2			FUEL SHUT OFF SWITCH, (comes with engine)	25	8348-3113	6	3 WAY CONNECTOR, (female)
3	8871-2231	1	STREET TEE, 1/8	26	9103-3202	1	FORWARD SWITCH
4	7722-3003	1	BACK-UP ALARM	27	9103-3079	1	ENGINE FRAME HARNESS
5	9020-7717	1	JUMPER WIRE	28	2492-1393	1	HORN
6	9020-6739	1	SERIES SOLENOID VALVE	29	2492-1394	1	BRACKET
7	9020-6739	1	PARALLEL SOLENOID VALVE	30	2492-1395	1	NUT
8	8871-1383	1	REDUCING BUSHING, 1/2X3/8	31	9020-2886	1	JUMPER WIRE
9	9020-6124	1	WATER TEMPERATURE SENDER	32	8666-1084	1	HORN RELAY
10	9103-3139	1	OIL PRESSURE SENDER	33	9020-5688	1	HOUR METER
11	9103-3234	1	ALTERNATOR	34	9103-3283	1	OIL TEMERATURE SENDER
12	9020-6739	1	CAVITATION SOLENOID VALVE	35	9040-0654	1	FUEL LEVEL SENDER
13	9020-7719	2	JUMPER WIRE	36	9103-3323	1	STARTER
14	9103-3097	1	PILOT PRESSURE FORWARD	37	9020-5205	1	JUMPER WIRE
			REVERSE CONTROL VALVE	38	9040-2427	1	STARTER SOLENOID
15	9020-6739	1	LOW TORQUE INCHING SOLENOID	39	9020-7497	1	JUMPER CABLE
			VALVE	40	9020-7630	1	JUMPER WIRE
16	9103-3202	1	TRANSMISSION DISCONNECT	41	9103-3042	1	GROUND CABLE
			SWITCH	42	9020-3359	2	BATTERY, (12 volt, 590 amps),
17	2474-1047	1	HOURMETER SWITCH				TOP STUD, BCI GROUP 27
18	9020-4973	1	NEUTRAL START SWITCH	43	9103-3086	1	POSITIVE CABLE
	8998-1036	2	PAN HD SCREW	44	8584-1094	1	CLAMP
19	9103-5112	1	SECOND GEAR SWITCH	45	7710-3006	2	NUT
20	9103-5112	1	THIRD GEAR SWITCH				ELBOW, 90 DEGREES
21	9103-5112	1	FIRST GEAR SWITCH	46	8869-1345	1	REVERSE SWITCH
22	9103-1197	1	JUMPER WIRE	47	9103-3202	1	CRIMP ON CONNECTOR
23	9103-3270	1	PRIMER PUMP				

* Added part number & changed description on item 40.

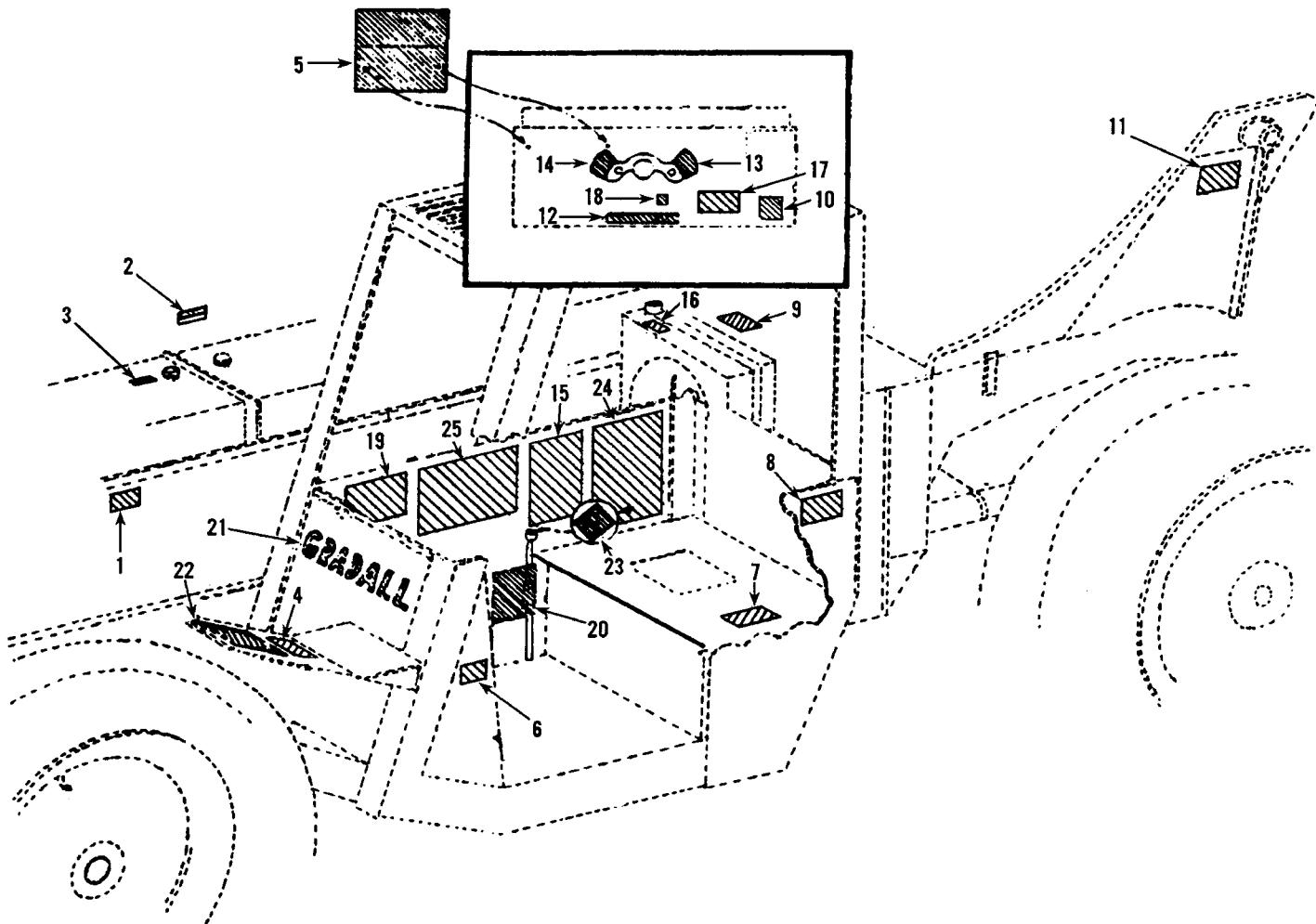


Item	Part No.	Qty.	Description Of Part
1	9020-0586 8820-1032	3 AR	WORK LIGHT HEX HD CAPSCREW, 3/8-16X5/8, GR5
2	9020-6129 9002-7316	3 6	LIGHT MOUNTING BRACKET SELF TAPPING SCREW
3	8850-1006	AR	HEX NUT, 3/8-16
4	9020-0685 8820-1014	1 2	ROTATING BEACON HEX HD CAPSCREW, 1/4-20X3-1/4, GR5
	8850-1004	2	HEX NUT, 1/4-20
5	9040-0706 9002-7316	1 3	BEACON MOUNTING BRACKET SELF TAPPING SCREW
6	9020-4009	1	DOME LIGHT
7	9040-0670 8832-1022	1 2	DOME LIGHT BRACKET SELF TAPPING SCREW, 8-32X3/8
8	9060-2748	1	CAB WIRING HARNESS
9	9020-6310	7	STRAP ANCHOR
10	9002-7187	7	TIE STRAP
11	9002-7214 9020-2303	AR AR	RUBBER GROMMET (use at cab roof and cab front) RUBBER GROMMET (use at cab rear and seat deck)
12	9020-5912	1	TAIL AND STOP LIGHT
13	9020-6130 8820-1032	1 2	TAIL LIGHT MOUNTING BRACKET HEX HD CAPSCREW, 3/8-16X5/8, GR5
14	9020-0615	1	BRAKE LIGHT SWITCH
15	9020-0679	1	HEATER (includes switch)
16	9020-6134	1	CONNECTOR
17	9020-6133	2	WIRE (heater and beacon)
18	9020-0914	1	WIRE (windshield wiper)
19	9020-6024	1	WIPER BLADE
20	9020-0952	1	WIPER ARM
21	9020-6023	1	WIPER MOTOR
22	9020-0680	1	DEFROSTER FAN
23	9020-6358	1	FAN WIRE
24	9002-6830	AR	WIRE CONNECTOR
25	9020-3628	1	FAN WIRE
26	9020-0347	5	GAUGE LIGHT WIRING KIT (consists of snap-in light and wire)
27	9020-3376	1	WIPER WIRE FUSE
28	9020-0349	1	WIRE (fuse to circuit breaker)
29	9020-6131 8850-1613	1 4	CIRCUIT BREAKER HEX NUT, #10-32
30	9040-3076	1	DASH LIGHT WIRING HARNESS
31	9020-0171	2	LIGHTS AND BEACON LIGHT SWITCH
32	9020-0352	1	WIRE (circuit breaker to heater switch, breaker to beacon switch, and breaker to breaker)
33	9020-0170 9103-3110	1 1	IGNITION SWITCH IGNITION SWITCH (starting serial no. 8444491)
34	9020-5661	1	WIRE (ignition accessory terminal to circuit breaker)
35	9020-5688	1	HOUR METER
36	9020-6079	1	WIRE (hour meter to fuel switch)



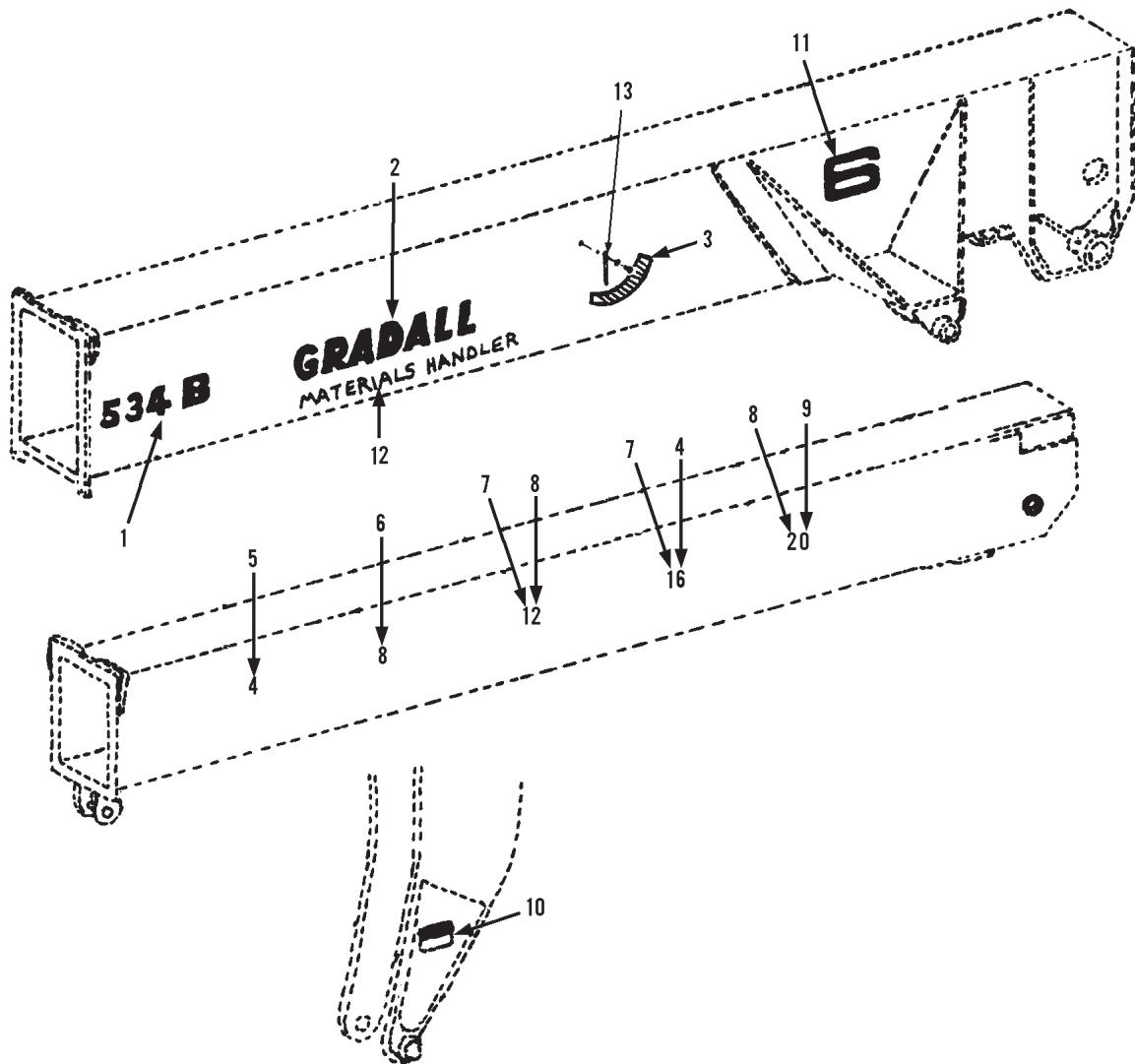
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9100-3051	1	WARNING DECAL	20	9103-3009	4	TIRE PRESSURE DECAL
2	9100-3052	1	WARNING DECAL	21	9103-3157	1	CAUTION DECAL
3	7702-3006	1	HYDRAULIC OIL DECAL	22	9103-3135	1	BRAKE WARNING DECAL
4	7702-3008	1	DIESEL FUEL DECAL	23	9100-3036	2	OPERATOR PROTECTION DECAL
5	9103-3020	1	LIFT CAPACITY DECAL (6000# unit)	24	9103-3026	1	MICO DECAL
	9103-3021	1	LIFT CAPACITY DECAL (8000# unit)	25	9103-3027	1	LOCK PLATE
	9020-7488	1	MOUNTING PLATE	26	9100-3002	1	ATTACHMENT CAPACITY PLATE
	8820-4912	2	HEX HD CAPSCREW, 1/4-20X1, GR5		8834-4901	4	DRIVE SCREW, #10X1/2
	8856-1107	2	FLAT WASHER, 1/4	27	9103-3001	1	SERIAL NO. PLATE
	8852-1304	2	HEX LOCKNUT		8834-4901	4	DRIVE SCREW, #10X1/2
6	9103-3014	1	WARNING DECAL	28	8364-1675	1	"GRADALL" DECAL, WHITE
7	9103-3010	1	WARNING DECAL	29	8360-1011	1	DANGER DECAL
8	9100-3041	1	TRANSMISSION TEMP. DECAL	30	9100-3044	1	BOOM OPERATOR DECAL
9	9103-3025	1	BRAKE DECAL	31	9103-3019	1	SERVICE DECAL (Waukesha)
10	9103-3089	1	DASH DECAL		9103-3249	1	SERVICE DECAL (Perkins)
11	9103-3022	1	REAR DRIVE DECAL	32	9100-3030	1	PATENT DECAL
12	9103-3024	1	HUB LOCKOUT DECAL	33	9100-3029	1	WARNING DECAL
13	9100-3039	1	SHIFT DECAL	34	9100-3050	1	WARNING DECAL
14	9100-3040	1	FORWARD-REVERSE DECAL	35	9020-6140	1	RUB PLATE
15	9103-3012	1	TIFF & SWAY DECAL	36	7702-3003	1	CLIMBING DECAL
16	9103-3011	1	WARNING DECAL	37	9103-3044	1	ACCUMULATOR DECAL (Waukesha)
17	9100-3032	1	COOLANT DECAL	38	9103-3090	1	TRUSS BOOM WINCH DECAL
18	9103-3244	1	AUXILIARY CONTROL DECAL	39	9102-3006	1	STABILIZER DECAL
19	9103-3094	1	SLOW MOVING VEHICLE EMBLEM				

* Revised page numbers in this section



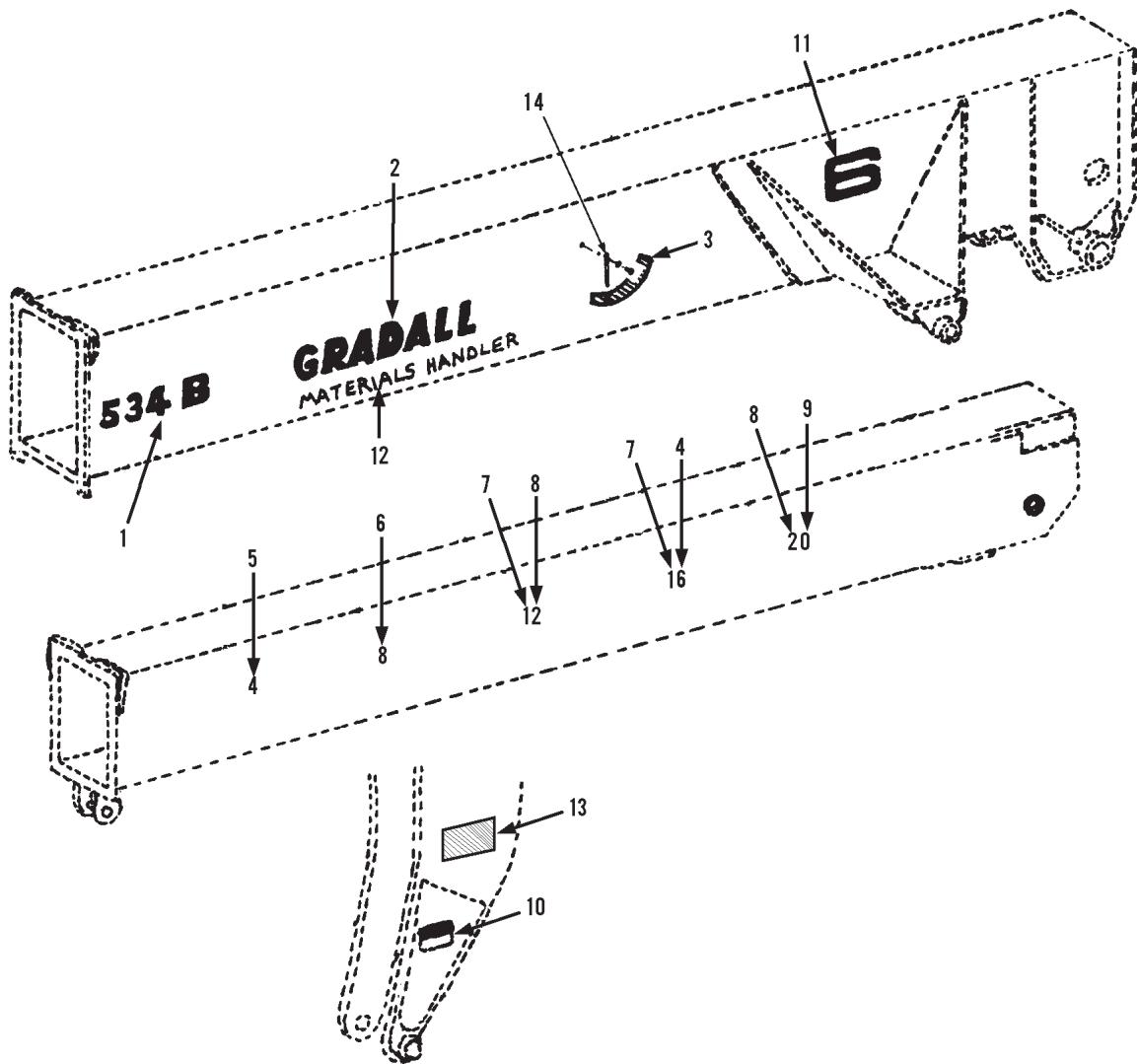
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	7702-3007	1	BATTERY INSTRUCTION STICKER	15	9103-3242	1	6' MAST DECAL (8K units)
2	9100-3052	1	WARNING DECAL	16	9103-3243	1	6' MAST DECAL (6K units)
3	7702-3006	1	HYDRAULIC OIL DECAL	17	9103-3011	1	WARNING DECAL
4	9104-3215	1	WARNING DECAL	18	9103-3362	1	CAUTION DECAL
5	9103-3311	1	LIFT CAPACITY DECAL (8K units)	19	9100-3030	1	AUXILIARY CONTROL DECAL
	9103-3020	1	LIFT CAPACITY DECAL (6K units)	20	9103-3278	1	PATENT DECAL
6	9104-3211	1	RIDER WARNING DECAL		9103-3279	1	S/N & ATTACHMENT PLATE (6K units)
7	9104-3129	1	PARKING BRAKE DECAL		9103-3279	1	S/N & ATTACHMENT PLATE (8K units)
8	7733-3027	1	MADE IN U.S.A. DECAL	21	8364-1675	1	"GRADALL" DECAL, WHITE
9	7734-3018	1	HOT EXHAUST DECAL	22	8360-1011	1	DANGER DECAL
10	9103-3089	1	DASH DECAL	23	9100-3044	1	BOOM OPERATING DECAL
11	9104-3209	2	PINCH POINT DECAL	24	9103-3312	1	SERVICE DECAL
12	9103-3024	1	HUB LOCKOUT DECAL	25	9106-3047	1	WARNING DECAL
13	9100-3039	1	SHIFT DECAL				
14	9100-3040	1	FORWARD-REVERSE DECAL				

* Revised page numbers in this section

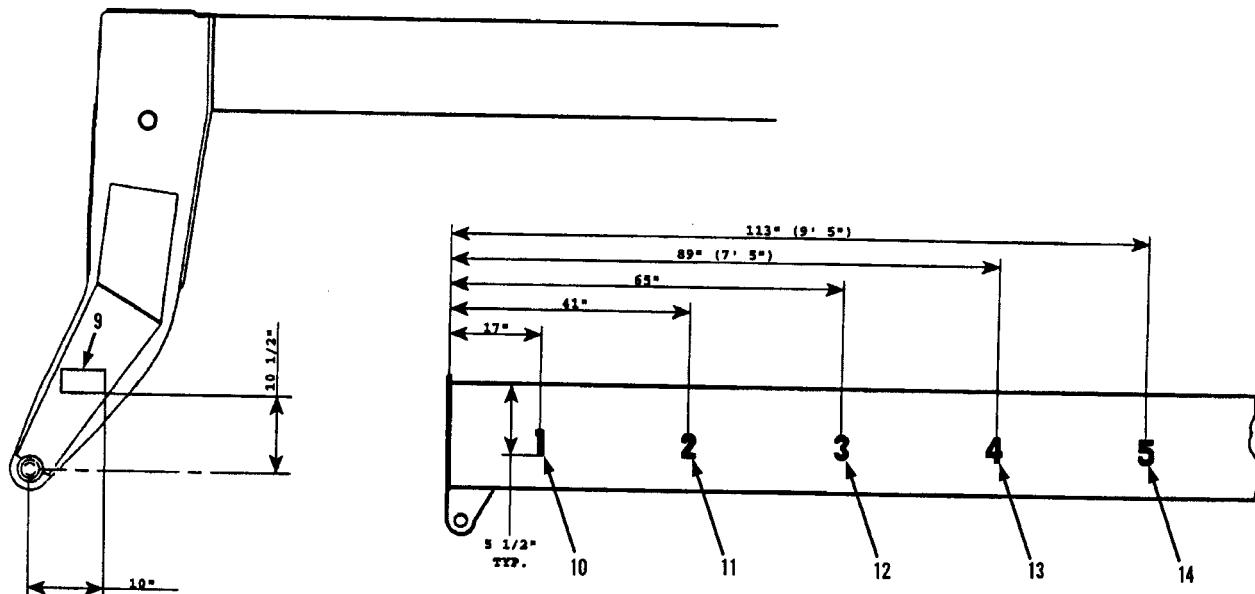
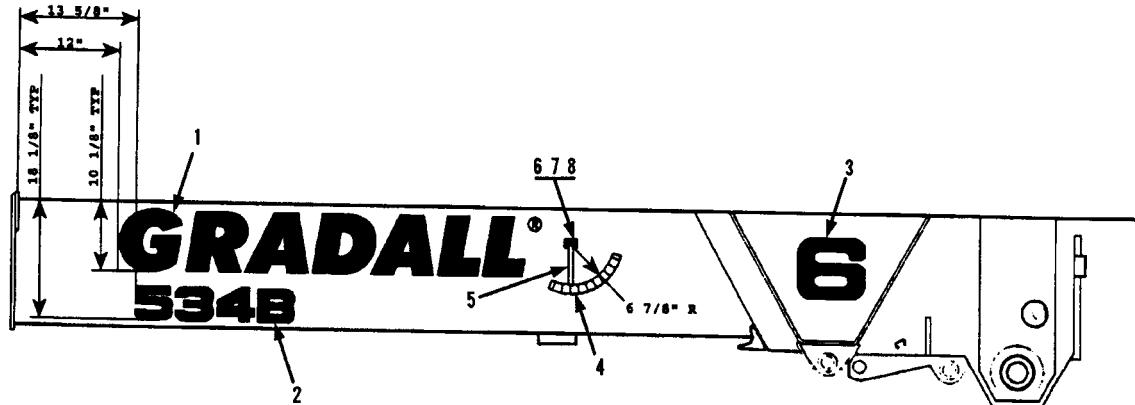


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3003	2	"534B" DECAL, STANDARD (white)	9	9100-3014	2	"0" DECAL, STANDARD (white)
	9103-3002	2	"534B" DECAL, OPTIONAL (black)	9	9104-3133	2	"0" DECAL, OPTIONAL (black)
2	9100-3006	2	"GRADALL" DECAL, STANDARD (white)	10	9103-3023	1	WARNING DECAL
	9104-3132	2	"GRADALL" DECAL, OPTIONAL (black)	11	9103-3018	2	"6" DECAL, STANDARD (white)
3	9100-3031	1	BOOM ANGLE INDICATOR	9	9103-3218	2	"6" DECAL, OPTIONAL (black)
4	9100-3025	1	"6" DECAL, STANDARD (white)	9	9103-3016	2	"8" DECAL, STANDARD (white)
	9104-3137	1	"6" DECAL, OPTIONAL (black)	9	9103-3216	2	"8" DECAL, OPTIONAL (black)
5	9100-3020	1	"4" DECAL, STANDARD (white)	12	9104-3039	2	"MATERIALS HANDLER" DECAL, STANDARD (white)
	9104-3136	1	"4" DECAL, OPTIONAL (black)	9	9104-3038	2	"MATERIALS HANDLER" DECAL, OPTIONAL (black)
6	9100-3027	1	"8" DECAL, STANDARD (white)	*13	9020-0445	1	BOOM ANGLE INDICATOR
	9104-3138	1	"8" DECAL, OPTIONAL (black)	*	9020-0688	1	BEARING
7	9100-3016	2	"1" DECAL, STANDARD (white)	*	8856-1111	1	FLAT WASHER, 1/2
	9104-3134	2	"1" DECAL, OPTIONAL (black)	*	9002-6491	1	SHOULDER BOLT
8	9100-3018	2	"2" DECAL, STANDARD (white)				
	9104-3135	2	"2" DECAL, OPTIONAL (black)				

* Revised illustration and changed item 13.

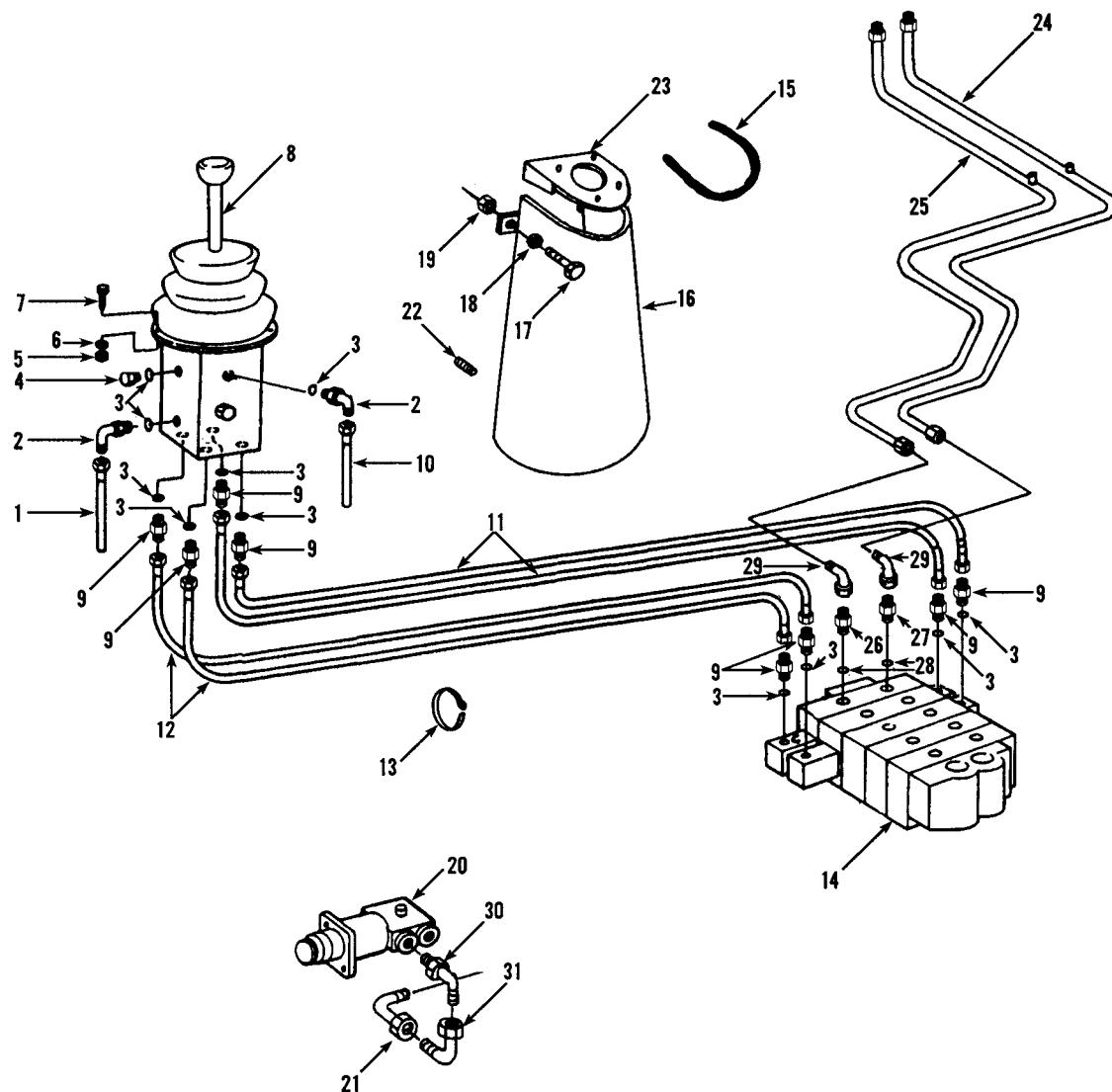


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9103-3003	2	"534B" DECAL, STANDARD (white)	9	9100-3014	2	"0" DECAL, STANDARD (white)
	9103-3002	2	"534B" DECAL, OPTIONAL (black)	10	9104-3133	2	"0" DECAL, OPTIONAL (black)
2	9100-3006	2	"GRADALL" DECAL, STANDARD (white)	11	9103-3023	1	WARNING DECAL
	9104-3132	2	"GRADALL" DECAL, OPTIONAL (black)	12	9103-3018	2	"6" DECAL, STANDARD (white)
3	9100-3031	1	BOOM ANGLE INDICATOR		9103-3218	2	"6" DECAL, OPTIONAL (black)
4	9100-3025	1	"6" DECAL, STANDARD (white)		9103-3016	2	"8" DECAL, STANDARD (white)
	9104-3137	1	"6" DECAL, OPTIONAL (black)		9103-3216	2	"8" DECAL, OPTIONAL (black)
5	9100-3020	1	"4" DECAL, STANDARD (white)	13	9104-3039	2	"MATERIALS HANDLER" DECAL, STANDARD (white)
	9104-3136	1	"4" DECAL, OPTIONAL (black)		9104-3038	2	"MATERIALS HANDLER" DECAL, OPTIONAL (black)
6	9100-3027	1	"8" DECAL, STANDARD (white)	14	8360-1011	1	WARNING DECAL
	9104-3138	1	"8" DECAL, OPTIONAL (black)	*	9020-0445	1	BOOM ANGLE INDICATOR
7	9100-3016	2	"1" DECAL, STANDARD (white)	*	9020-0688	1	BEARING
	9104-3134	2	"1" DECAL, OPTIONAL (black)	*	8856-1108	1	FLATWASHER, 1/2
8	9100-3018	2	"2" DECAL, STANDARD (white)	*	9002-6491	1	SHOULDER BOLT
	9104-3135	2	"2" DECAL, OPTIONAL (black)				

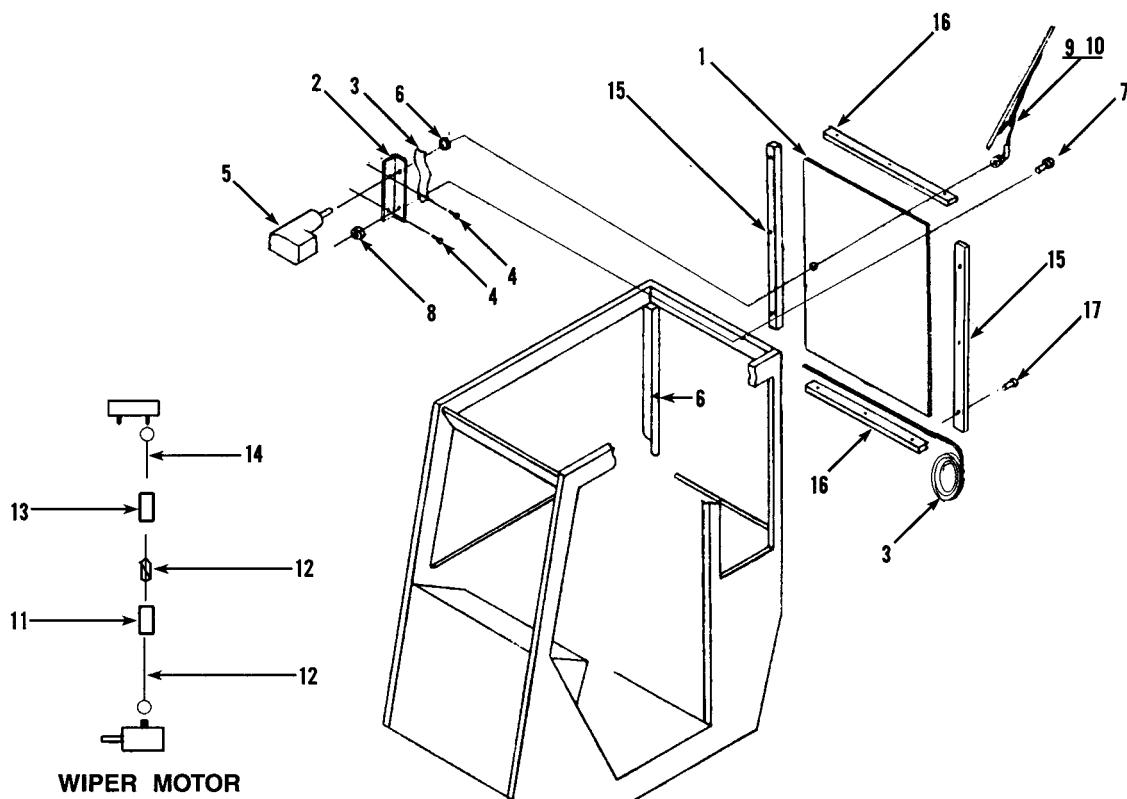


Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9112-3037	2	"GRADALL" DECAL, WHITE	9	9103-3023	1	QUICK SWITCH DECAL
	9112-3038	2	"GRADALL" DECAL, BLACK	10	9100-3016	1	"1" DECAL, WHITE
2	9103-3392	2	"534B" DECAL, WHITE		9104-3134	1	"1" DECAL, BLACK
	9103-3393	2	"534B" DECAL, BLACK	11	9100-3018	1	"2" DECAL, WHITE
3	9103-3018	2	"6" DECAL, WHITE		9104-3135	1	"2" DECAL, BLACK
	9103-3218	2	"6" DECAL, BLACK	12	9112-3042	1	"3" DECAL, WHITE
4	9100-3031	1	BOOM ANGLE DECAL, WHITE		9112-3043	1	"3" DECAL, BLACK
5	9020-0445	1	PENDULUM	13	9100-3020	1	"4" DECAL, WHITE
6	9020-0688	1	BEARING		9104-3136	1	"4" DECAL, BLACK
7	9002-6491	1	SHOULDER BOLT, 1/4-20	14	9112-3044	1	"5" DECAL, WHITE
8	8856-1108	1	FLAT WASHER, 5/16		9112-3045	1	"5" DECAL, BLACK

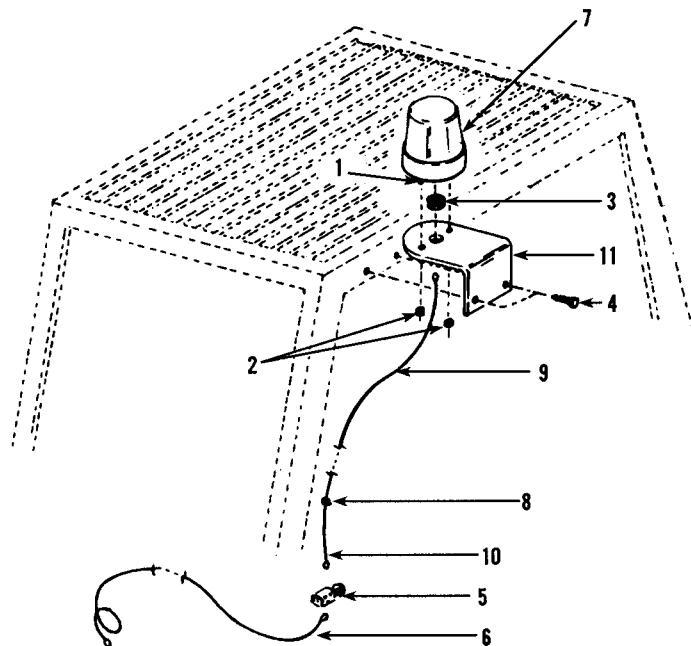
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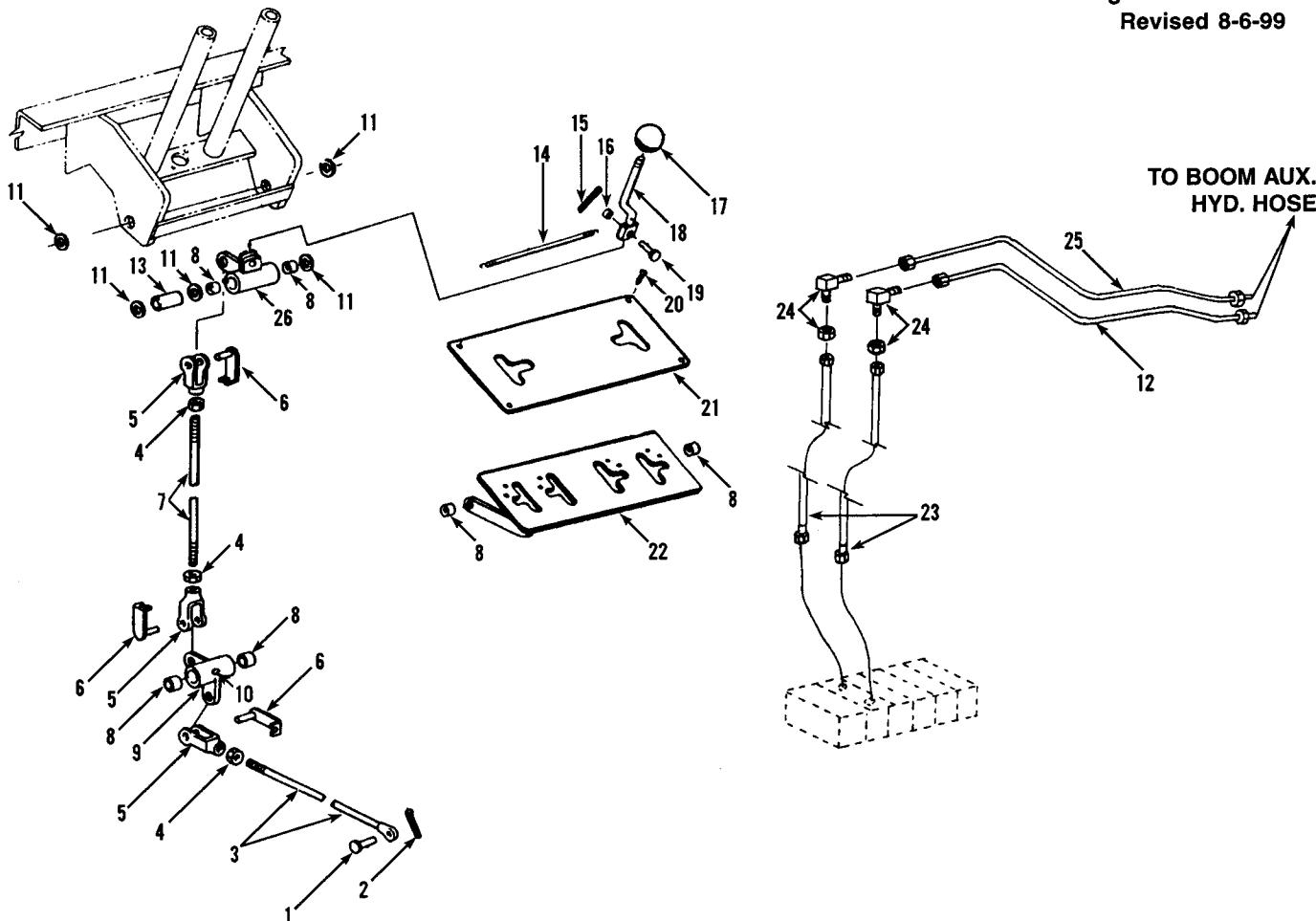
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9104-5173		JOYSTICK INSTALLATION (includes all items)	17	8820-1018	2	HEX HD CAPSCREW, 5/16-18X3/4 GR5
2	8471-7587	1	HOSE ASSY	18	8855-1010	2	LOCKWASHER, 5/16
2	8866-2064	2	ELBOW, 90 DEGREES (includes item 3)	19	8850-1005	2	HEX NUT, 5/16-18
3	8859-1204	12	O-RING	20	9103-3307	1	BRAKE VALVE
4	8866-2174	2	HEX HD PLUG (includes item 3)	21	8866-2105	1	ELBOW-90 DEGREES (swivel nut)
5	8850-1004	4	HEX NUT, 1/4-20	22	8505-1384	2	WELD STUD, 5/16-18X1
6	8855-1009	4	LOCKWASHER, 1/4	23	9104-6047	1	JOYSTICK MOUNT WELDMENT
7	8820-1004	4	HEX HD CAPSCREW, 1/4-20X7/8 GR5	24	9104-3095	1	TUBE ASSY
8	9104-3064	1	HYDRAULIC CONTROLLER ASSY	25	9104-3096	1	TUBE ASSY
9	8866-2005	8	CONNECTOR (includes item 3)	26	8866-2038	1	CONNECTOR (includes item 28)
10	7713-3167	1	HOSE ASSY	27	8866-2008	1	CONNECTOR (includes item 28)
11	8471-7458	2	HOSE ASSY	28	8859-1207	2	O-RING
12	8471-7519	2	HOSE ASSY	29	8866-2108	2	ELBOW-90 DEGREES (swivel nut)
13	9002-7187	7	NYLON TIE WRAP	30	8866-2064	1	ELBOW-90 DEGREES (includes o-ring)
14	9104-3065	1	MAIN CONTROL VALVE	31	8859-1204	1	O-RING
15	9020-6192	17"	TRIM LOK		7713-1088	1	ELBOW -90 DEGREES
16	9104-6056	1	JOYSTICK COVER				



Item	Part No.	Qty.	Description Of Part
	9040-3109		REAR WIPER INSTALLATION (includes items 2 thru 14)
1	9040-3035	Ref	REAR WINDOW
2	9020-6025	1	WIPER MOTOR MOUNT
3	9020-0755	AR	WEATHER STRIPPING
4	9002-7319	2	SELF TAPPING SCREW, 1/4-20X1
5	9020-6023	1	WIPER MOTOR
6	9002-7214	2	GROMMET
7	8820-1003	1	HEX HD CAPSCREW, 1/4-20X3/4 GR5
8	8850-1004	1	HEX NUT, 1/4-20
9	9020-6024	1	WIPER BLADE
10	9020-6374	1	WIPER ARM
11	9020-6312	1	JUMPER WIRE
12	8668-3480	2	CRIMP ON CONNECTOR
13	9020-3376	1	FUSE
14	9020-0349	1	JUMPER WIRE
15	9020-6019	Ref	WINDOW HOLD DOWN BAR
16	9020-6018	Ref	WINDOW HOLD DOWN BAR
17	9002-7315	Ref	SELF TAPPING SCREW, 1/4-20X1-1/4

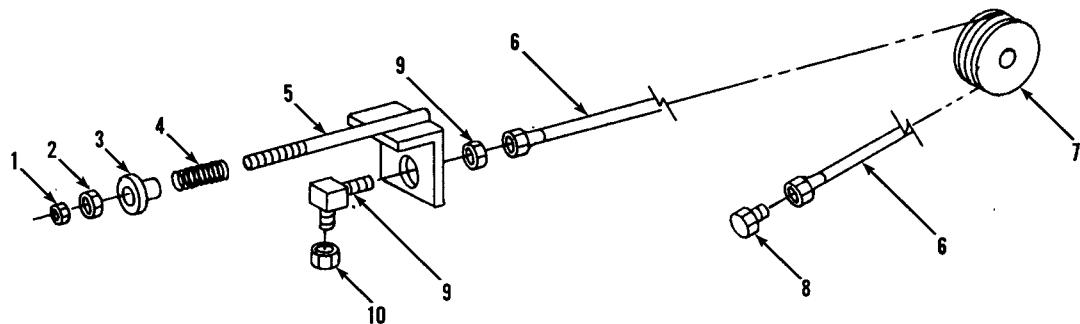


Item	Part No.	Qty.	Description Of Part
	9103-5007		ROTATING BEACON ASSY (includes all items)
1	8820-1014	2	HEX HD CAPSCREW, 1/4-20X3-1/4 GR5
2	8850-1004	2	HEX NUT, 1/4-20
3	9002-7214	2	BUTTON GROMMET
4	9002-7316	3	SELF TAPPING SCREW
5	9020-0171	1	SWITCH
6	9020-0352	1	JUMPER WIRE
7	9020-0685	1	ROTATING BEACON
8	9020-2303	1	BUTTON GROMMET
9	9020-6132	1	JUMPER WIRE
10	9020-6133	1	JUMPER WIRE
11	9040-0706	1	BEACON BRACKET

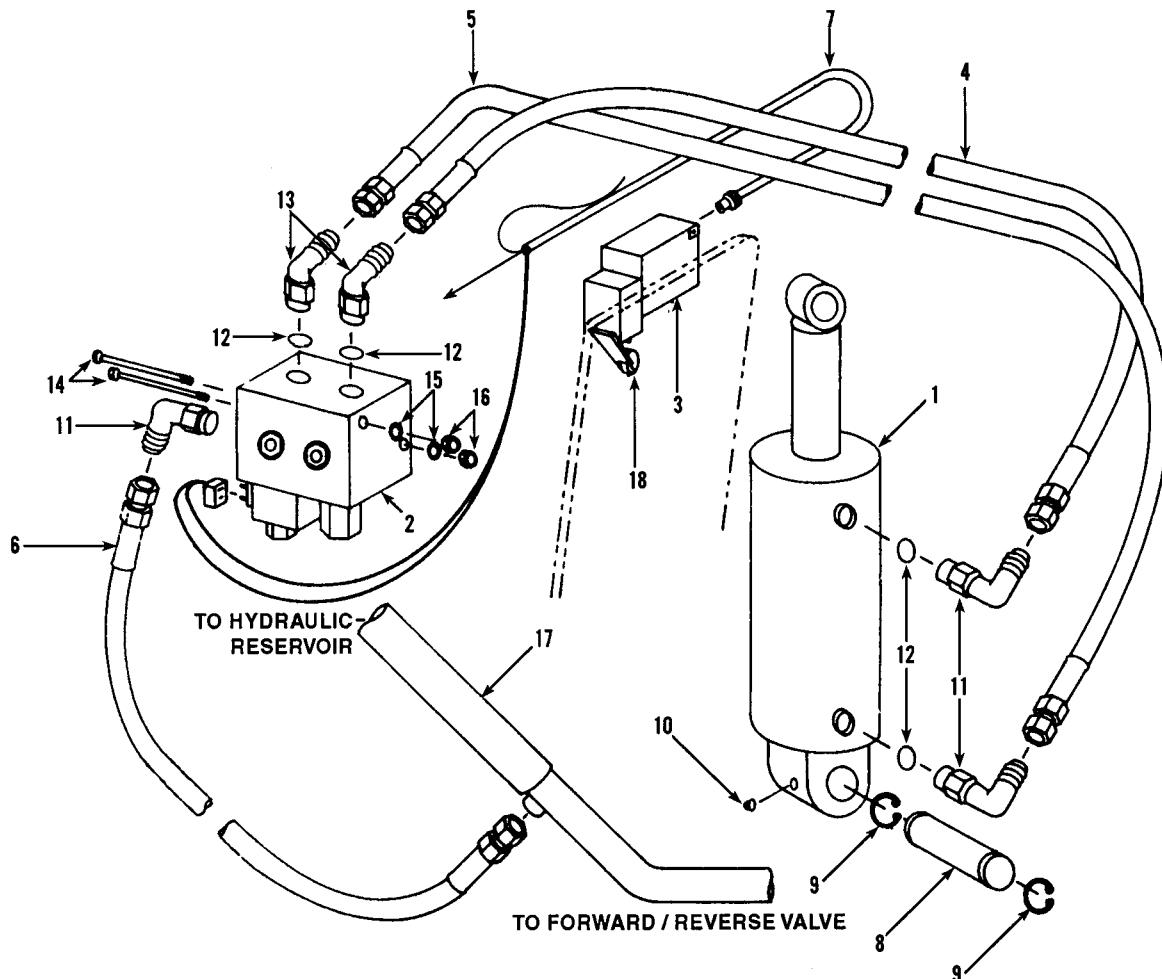


Item	Part No.	Qty.	Description Of Part
	9104-5022	Ref	AUXILIARY HYDRAULIC ASSY (includes all items)
1	9002-1552	1	CLEVIS PIN
2	8863-1301	1	COTTER PIN, 1/16X1/2
3	9104-6051	1	CONTROL ROD
4	8850-1406	3	HEX JAM NUT, 3/8-24
5	8882-1004	3	ADJUSTABLE YOKE END, 3/8-24
6	9002-7987	3	SPRING CLEVIS
7	9020-2361	1	ROD
8	9020-0290	6	NEEDLE BEARING
9	9020-5533	1	BELLCRANK
10	8867-1008	1	LUBE FITTING, STRAIGHT, 1/4-28
11	8856-1113	10	FLAT WASHER, 5/8
12	9020-7393	1	TUBE ASSY
13	9103-1189	1	SPACER
14	9020-0559	1	SPRING
15	8863-1309	1	COTTER PIN, 3/32X3/4
16	9020-0688	1	BEARING
17	9020-0299	1	KNOB
18	9020-5981	1	HANDLE
19	9002-1557	1	CLEVIS PIN
20	9002-0489	4	PAN HEAD SCREW, #2
21	9020-6045	1	CONTROL PANEL
22	9040-2904	1	CONTROL PANEL
23	9002-2046	2	HOSE ASSY
24	9002-9938	2	BULKHEAD FITTING - 90 DEGREE (includes nut)
25	9104-3196	1	TUBE ASSY
26	9020-5983	1	BELLCRANK

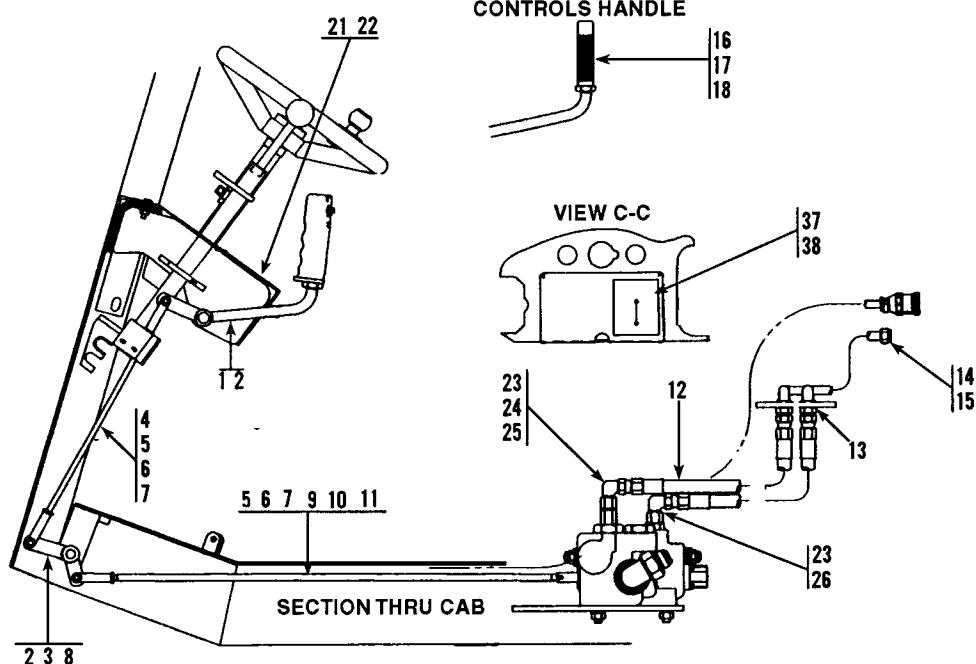
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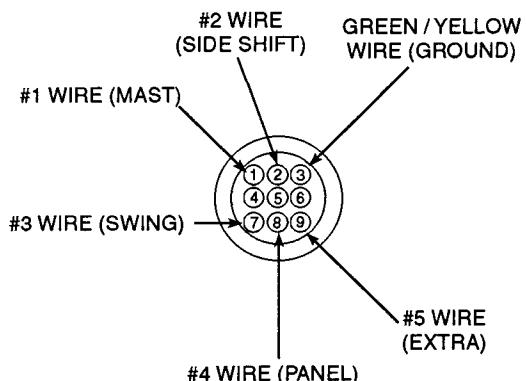
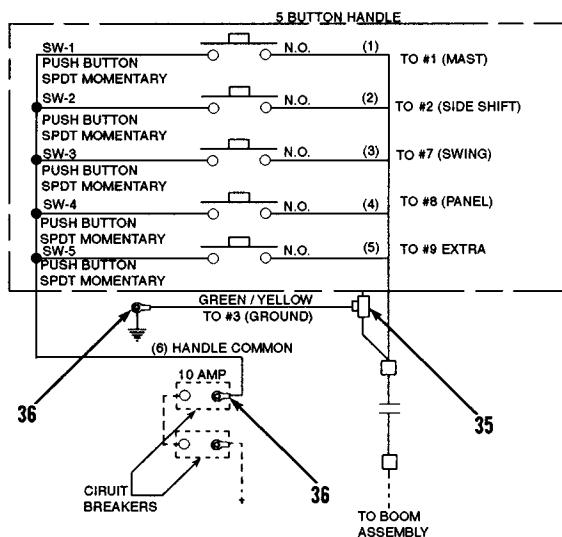
Item	Part No.	Qty.	Description Of Part
	9103-5133	Ref	WINCH DRAIN LINE PARTS (includes all items)
1	8850-1108	1	HEX JAM NUT, 1/2-13
2	8850-1008	1	HEX NUT, 1/2-13
3	9020-7041	1	SPRING RETAINER
4	9020-0313	1	SPRING
5	9040-3249	1	HOSE TAKE-UP WELDMENT
6	9020-6888	1	HOSE ASSY
7	9104-3101	1	HOSE TAKE-UP SHEAVE
8	8866-1385	1	HEX HD PLUG, 1/2
9	9002-7180	1	90 DEGREE BULKHEAD FITTING (includes nut)
10	8866-1365	1	HEX CAP, 1/2



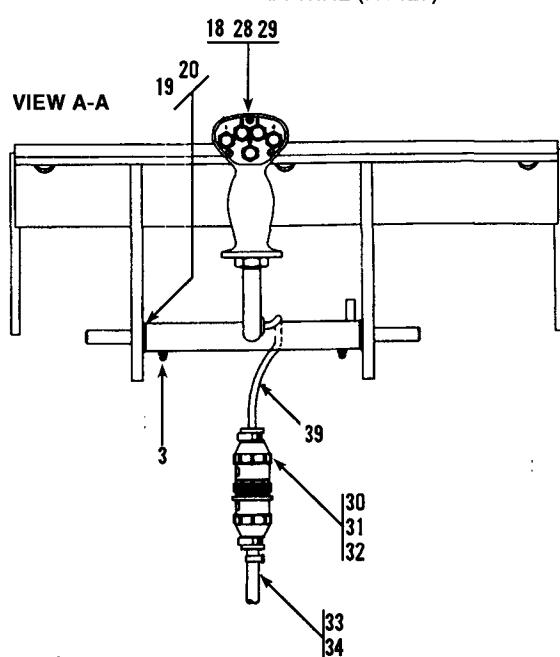
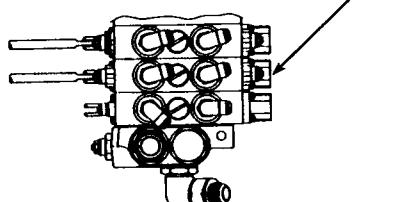
Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
1	9104-3274	1	STABILIZER CYLINDER	11	8866-2065	3	ELBOW, 90 DEGREES (includes item 12)
2	9111-3003	1	STABILIZER VALVE	12	8859-1205	5	O-RING
3	9104-3123	1	SWITCH (includes item 18)	13	8866-2085	2	ELBOW, 45 DEGREES (includes item 12)
4	8471-7847	1	HOSE ASSY	14	8320-1073	2	HEX HD SCREW, 3/8-16X4-1/2
5	8471-7848	1	HOSE ASSY	15	8855-1011	2	LOCKWASHER, 3/8
6	8471-6426	1	HOSE ASSY	16	8850-1006	2	HEX NUT, 3/8-16
7	9104-5034	1	BOOM SWITCH HARNESS	17	9104-3144	1	DUMP TUBE
8	9104-1227	2	PIN	18	9104-4475	1	LEVER/ROLLER ASSY
9	8858-1140	4	RETAINING RING				
10	8867-1008	2	LUBE FITTING, STRAIGHT 1/4-28				



ELECTRIC SCHEMATIC

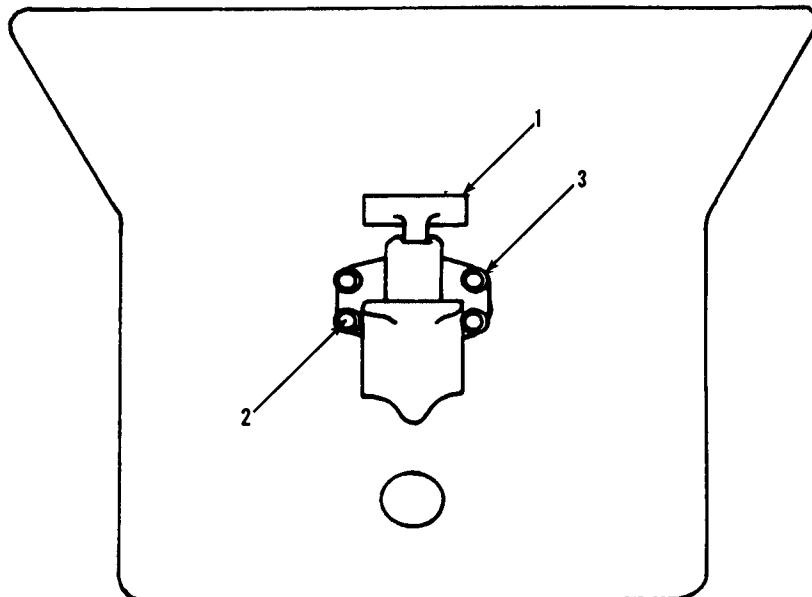


VIEW B-B

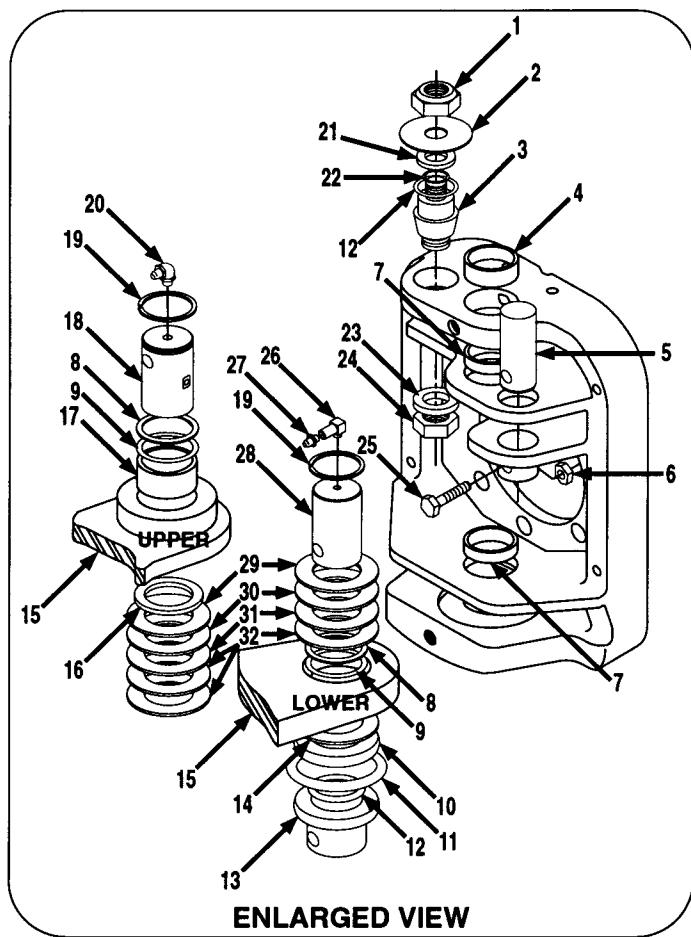


* Revised page numbers in this section

Item	Part No.	Qty.	Description Of Part
	9103-5220	Ref	AUXILIARY CONTROLS ASSEMBLY (includes items 1 thru 22, & item 38)
	9103-5221	Ref	AUXILIARY FIELD INSTALLATION (includes items 1 thru 27, & item 38)
	9103-5222	Ref	AUXILIARY ELECTRIC INSTALLATION (includes items 28 thru 37, & item 39)
1	9103-6107	1	AUXILIARY HANDLE WELDMENT
2	9020-0290	4	BEARING
3	8867-1008	3	LUBE FITTING, STRAIGHT 1/4-28
4	9020-2361	1	LINKAGE ROD
5	8882-1004	3	ADJUSTABLE YOKE END
6	9002-7987	3	SPRING CLEVIS
7	8850-1406	3	HEX JAM NUT, 3/8-24
8	9020-5533	1	BELLCRANK
9	9104-6051	1	LINKAGE ROD
10	9002-1552	1	CLEVIS PIN
11	8863-1301	1	COTTER PIN, 1/16X1/2
12	9002-2043	2	HOSE ASSY
13	9002-9938	2	90 DEGREE BULKHEAD ELBOW
14	9020-7393	1	TUBE ASSY
15	9104-3196	1	TUBE ASSY
16	9103-1465	1	HANDLE INSERT
17	9020-0774	1	HANDLE GRIP
18	8850-1112	1	HEAVY HEX JAM NUT, 3/4-10
19	8856-1115	4	FLAT WASHER, 3/4
20	9002-8662	2	WAVE BEND WASHER
21	9103-1464	1	COVER PANEL
22	8832-1015	REF	SELF TAPPING SCREW, #6-32X1/2
23	8866-2107	2	ELBOW, 90 DEGREES (swivel nut)
24	8692-3006	1	ADAPTER, 3/4X5/8
25	8866-2008	1	CONNECTOR (includes o-ring)
	8859-1207	1	O-RING
26	8866-2022	1	CONNECTOR (includes o-ring)
	8859-1207	1	O-RING
27	9103-3239	1	CONVERSION KIT
28	9103-3387	1	5 BUTTON HANDLE
29	9103-3425	1	GROMMET
30	9002-8956	1	CONNECTOR BODY
31	9002-8958	6	TERMINAL
32	9002-8978	1	CABLE CLAMP
33	9040-3396	1	AUXILIARY WIRING HARNESS
34	9002-7187	4	TY-RAP
35	9002-8968	1	CONNECTOR
36	9103-3391	2	INSULATED RING TERMINAL
37	9103-3394	1	AUXILIARY CONTROL DECAL
38	9103-3417	1	AUXILIARY CONTROL DECAL
39		12"	LOOM, 5/16" I.D.



Item	Part No.	Qty.	Description Of Part
	9103-5101	Ref	PINTLE HOOK INSTALLATION (includes all items)
1	9020-0602	1	PINTLE
2	8320-1120	4	HEX HD CAPSCREW, 1/2-13X1-3/4 GR8
3	8855-1013	4	LOCKWASHER, 1/2



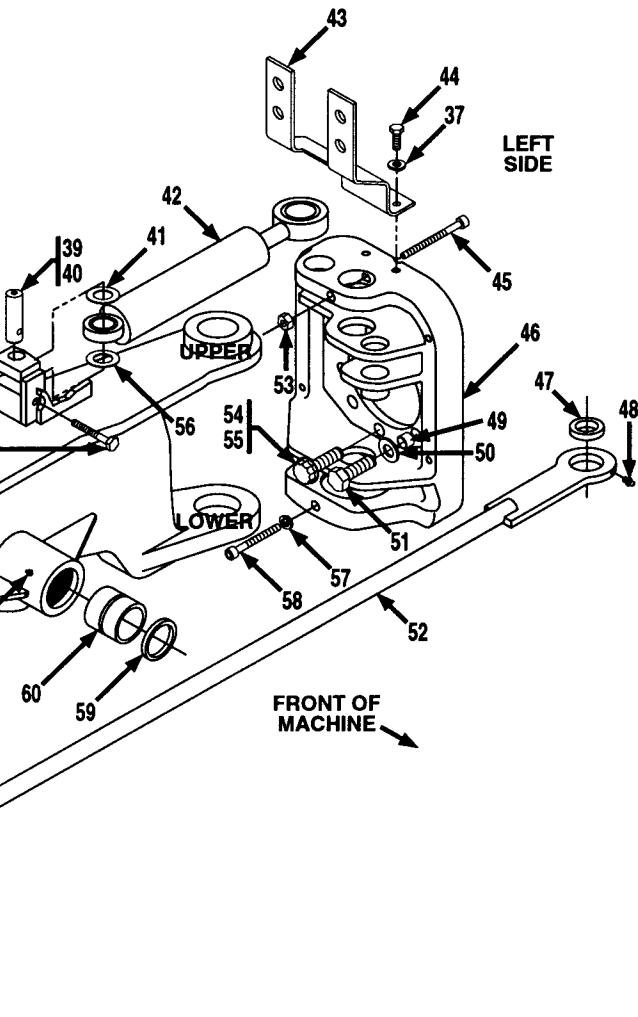
ENLARGED VIEW

NOTE #1: CUSTOMER TO USE EXISTING WHEEL HUBS & HARDWARE, DRIVE MOTORS, DRIVE MOTOR TUBE ASSEMBLIES, AND DRAIN LINE HOSES OR ORDER SEPARATELY IF REPLACEMENT IS REQUIRED.

NOTE #2: CYLINDER BASE END MUST BE FREE TO ROTATE. SHIM STEER CYLINDER BASE END AS REQUIRED TO MAINTAIN A TOTAL MAX. GAP OF 1/16".

NOTE #3: SHIM BOTTOM KNUCKLES AS REQUIRED TO MAINTAIN NO MORE THAN 1/32" MOVEMENT. SHIM TOP KNUCKLES AS REQUIRED TO MAINTAIN NO MORE THAN 1/16" GAP. MUST HAVE A MINIMUM OF ONE SHIM.

NOTE #4: ITEM 55 TO BE USED WITH FAIRFIELD HUBS ONLY.



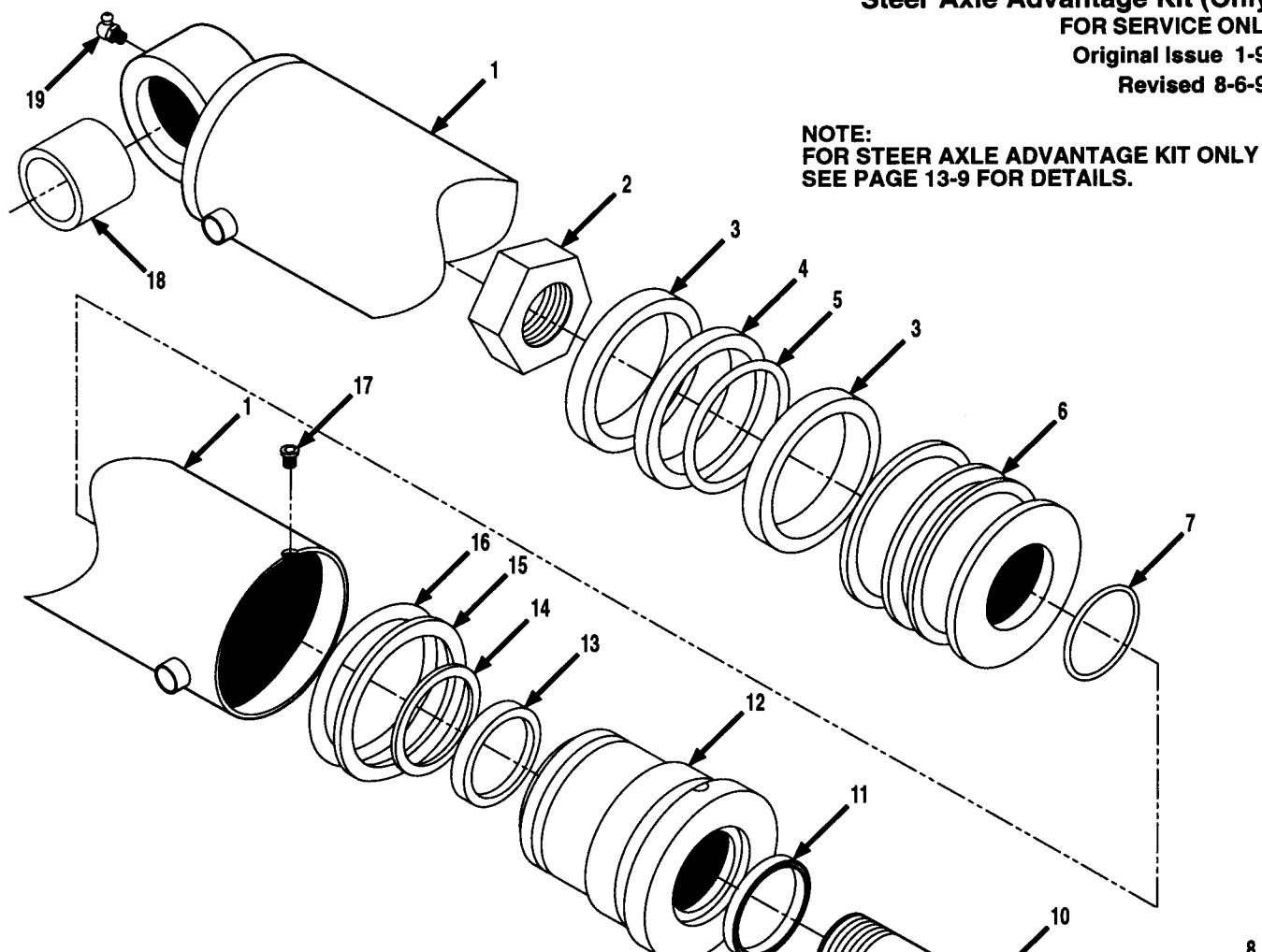
NOTE #1: CUSTOMER TO USE EXISTING WHEEL HUBS & HARDWARE, DRIVE MOTORS, DRIVE MOTOR TUBE ASSEMBLIES, AND DRAIN LINE HOSES OR ORDER SEPARATELY IF REPLACEMENT IS REQUIRED.

NOTE #2: CYLINDER BASE END MUST BE FREE TO ROTATE. SHIM STEER CYLINDER BASE END AS REQUIRED TO MAINTAIN A TOTAL MAX. GAP OF 1/16".

NOTE #3: SHIM BOTTOM KNUCKLES AS REQUIRED TO MAINTAIN NO MORE THAN 1/32" MOVEMENT. SHIM TOP KNUCKLES AS REQUIRED TO MAINTAIN NO MORE THAN 1/16" GAP. MUST HAVE A MINIMUM OF ONE SHIM.

NOTE #4: ITEM 55 TO BE USED WITH FAIRFIELD HUBS ONLY.

Item	Part No.	Qty.	Description Of Part	Item	Part No.	Qty.	Description Of Part
	9104-5129	Ref	STEER AXLE ADVANTAGE KIT (includes all items except 33, 50 & 51)	31	9104-1450	AR	SHIM (.0478 thick, see note #3)
	9103-5240	1	STEERING KNUCKLE KIT (includes items 2,4, 7 thru 14, 16 thru 22, 28 thru 32, 45, 53, 57 & 58 - one kit does both sides)	32	9104-1451	AR	SHIM (.106 thick, see note #3)
	9104-5152	Ref	STEERING CYLINDER PIN KIT (includes one each of items 1, 2, 3, 12 & 21 thru 24 - one kit needed for each side)	33	9112-0004	2	DRIVE HUB (use existing hubs)
1	8852-1312	2	HEX LOCKNUT, 3/4-10 (torque to 160-175 ft.lbs.)	34	9112-0004	1	R.H. STEERING KNUCKLE
2	9108-1415	2	DIRT SHIELD	35	8867-1008	2	LUBE FITTING, STRAIGHT, 1/4-28
3	9104-1481	2	STEERING CYLINDER PIN (knuckle end)	36	8850-1006	2	HEX NUT, 3/8-16
4	9112-1239	2	BUSHING	37	8855-1011	6	LOCKWASHER, 3/8
5	9104-1439	2	TIE ROD PIN	38	8320-1144	2	HEX HD CAPSCREW, 3/8-16X5-3/4, GR5
6	8852-1306	2	LOCKNUT, 3/8-16	39	9108-1695	2	STEERING CYLINDER PIVOT PIN (axle end)
7	9112-1240	4	BUSHING	40	8871-1280	2	HEX SOCKET PIPE PLUG, 1/8
8	9112-3030	4	BACK-UP RING	41	9104-1598	AR	SHIM (see note #2)
9	8859-1032	4	O-RING	42		2	STEERING CYLINDER ASSY (see page 13-10 for details)
10	9112-3027	2	BUSHING (lower)	43	9108-1523	1	L.H. TUBE SUPPORT
11	9112-3029	2	O-RING	44	9108-1522	1	R.H. TUBE SUPPORT
12	8859-1104	4	O-RING	45	8820-1035	4	HEX HD CAPSCREW, 3/8-16X1, GR5
13	9112-1091	2	THRUST BUSHING	46	8821-1121	2	SOCKET HD CAPSCREW, 1/2-13X6-1/2, GR8
14	9104-1733	AR	SHIM	47	9104-3247	2	SELF-ALIGNING BUSHING
15	9104-6126	1	REAR AXLE WELDMENT (includes items 10, 17, 60 & 61)	48	8867-1001	2	LUBE FITTING, STRAIGHT, 1/8
16	8692-1268	2	LIP SEAL	49	9104-1731	16	SPACER
17	9112-3028	2	BUSHING (upper)	50		12	HARDENED WASHER, 3/4 (use existing hardware)
18	9108-1693	2	UPPER KING PIN	51		12	HEX HD CAPSCREW, 3/4-10X2 (use existing hardware)
19	8858-1323	4	RETAINING RING	52	9116-6063	1	TIE ROD (includes item 47)
20	8867-1022	4	LUBE FITTING, 30 DEGREES, 1/8	53	8852-1208	2	HEX LOCKNUT, 1/2
21	9104-1732	AR	SPACER	54	9104-3222	2	12 PT. SCREW, 3/4-10X2, GR8 (lubricate & torque to 270-290 ft. lbs.) (see note #4)
	9104-1438	AR	SPACER	55	9104-3494	2	12PT. SCREW, 5/8-1X2-1/4, GR8 (torque to 200 ft. lbs.) (see note #4)
22	8859-1019	2	O-RING	56	9020-1918	AR	SHIM (10 gauge thick, see note #2)
23	9104-1459	2	WASHER	57	8855-1153	2	LOCKWASHER, 5/8
24	8850-1416	2	HEX JAM NUT, 1-14 (torque to 225-250 ft. lbs.)	58	8821-2321	2	SLOT HD CAPSCREW, 5/8-11X3-3/4, GR8
25	8320-1140	2	HEX HD CAPSCREW, 3/8-16X2-3/4, GR8	59	2460-1570	2	LIP SEAL
26	9103-3444	2	STREET ELBOW	60	9112-3031	2	BUSHING
27	9103-3445	2	LUBE FITTING	61	9104-1489	2	BUSHING
28	9114-1424	2	LOWER KING PIN	62	8821-2321	2	SOCKET HD CAPSCREW, 5/8-11X3-3/4, GR8
29	9104-1596	AR	SHIM (20 gauge thick, see note #3)	63	8850-1110	2	HEAVY HEX JAM NUT, 5/8-11
30	9104-1449	AR	SHIM (.060 thick, see note #3)				



NOTE:
FOR STEER AXLE ADVANTAGE KIT ONLY
SEE PAGE 13-9 FOR DETAILS.

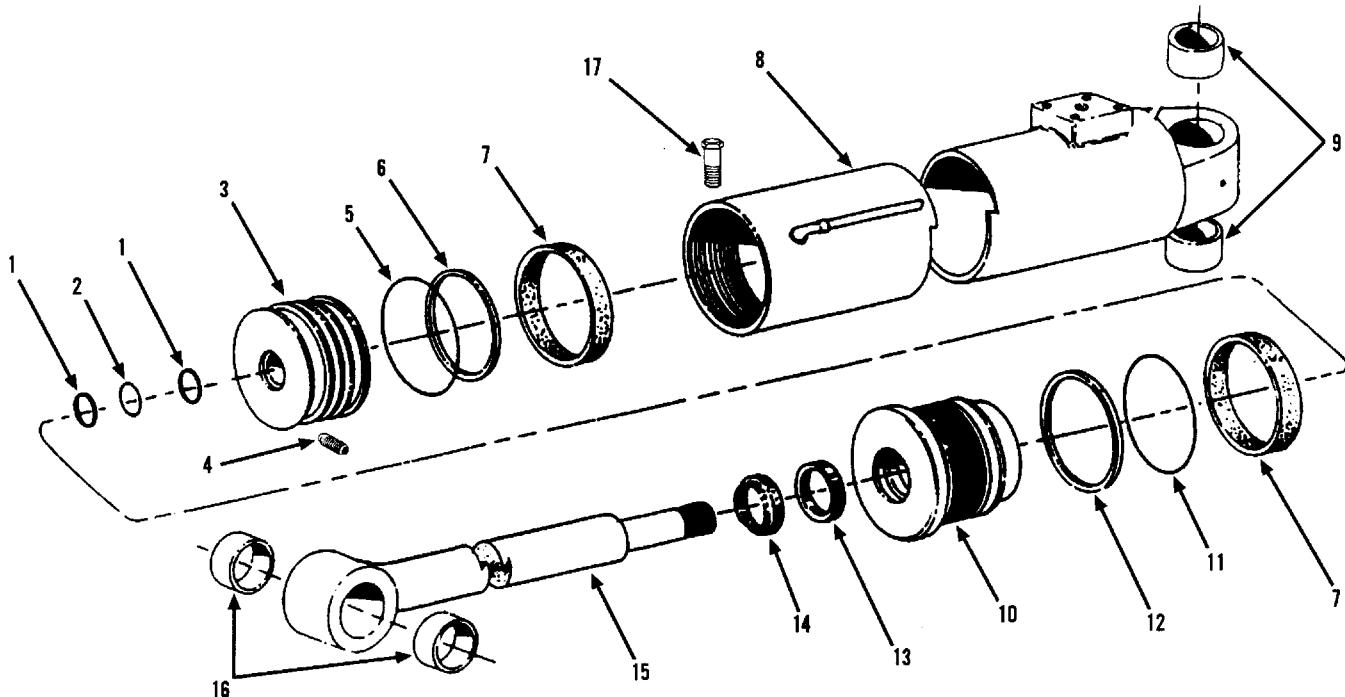
Item	Part No.	Qty.	Description Of Part
1	9103-3499	1	STEERING CYLINDER ASSY (includes all items)
2	9114-4006	1	SEAL KIT (includes items 3, 4, 5, 7, 11, 13 thru 16)
3	9114-4038	1	CASE ASSY
4	9114-4038	1	LOCKNUT (torque to 400-425 ft. lbs.)
5	9114-4038	2	WEAR RING
6	9114-4039	1	PISTON SEAL
7	9114-4039	1	O-RING
8	9114-4039	1	PISTON
9	9114-4128	1	O-RING
10	9114-4042	1	LUBE FITTING
11	9114-4042	1	BUSHING
12	9114-4041	1	ROD ASSY
13	9114-4041	1	WIPER
14	9114-4040	1	CYLINDER HEAD (torque to 100-400 ft. lbs.)
15	9114-4096	1	U-CUP
16	9114-4267	1	STEP SEAL
17	9114-4267	1	BACK-UP RING
18	9114-4125	1	O-RING
19	9114-4125	1	SELF TAPPING SCREW
			BUSHING
			LUBE FITTING
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			

* Revised page numbers in this section

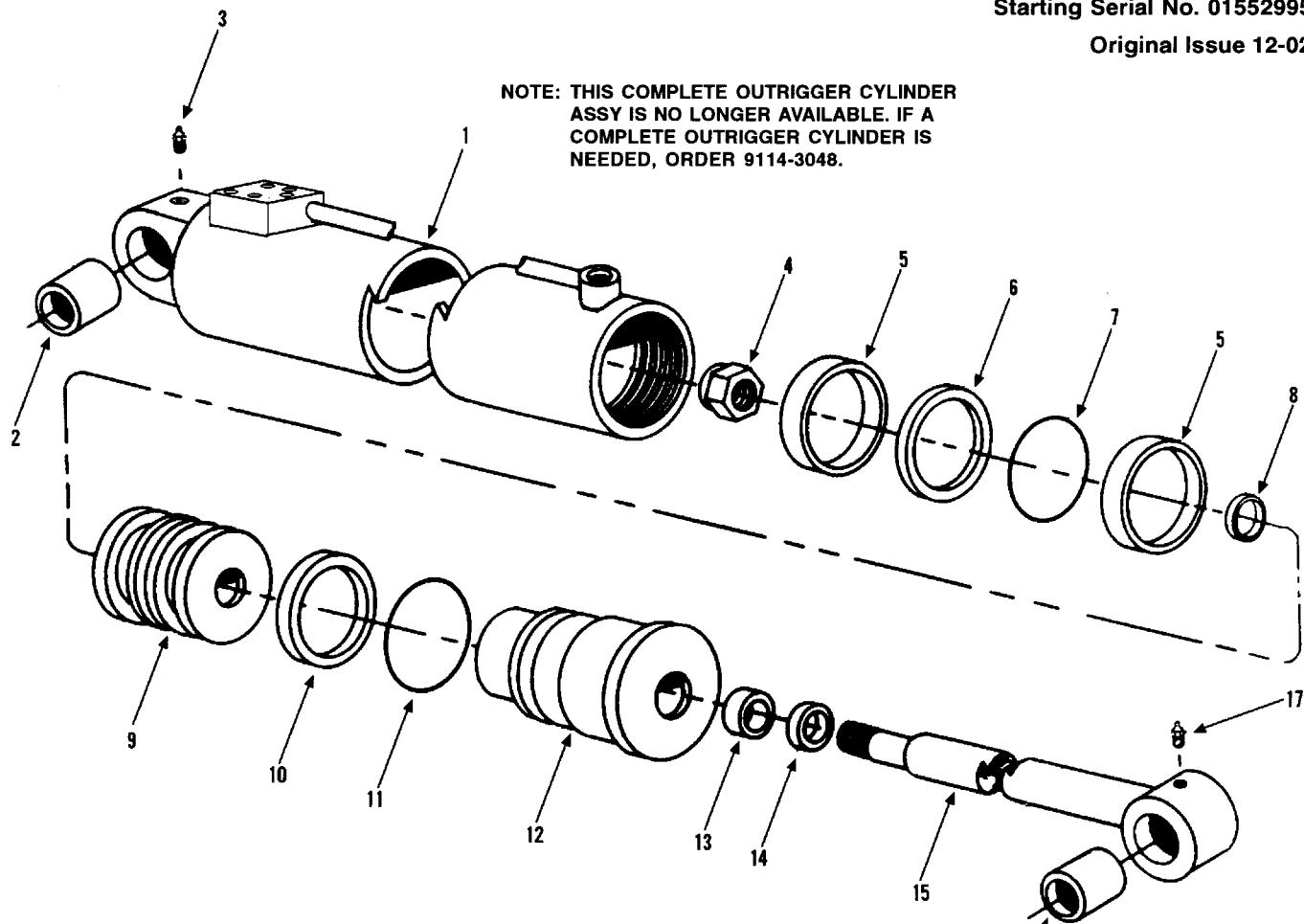
Starting Serial No. 8344001L thru 01552994

Original Issue 12-02

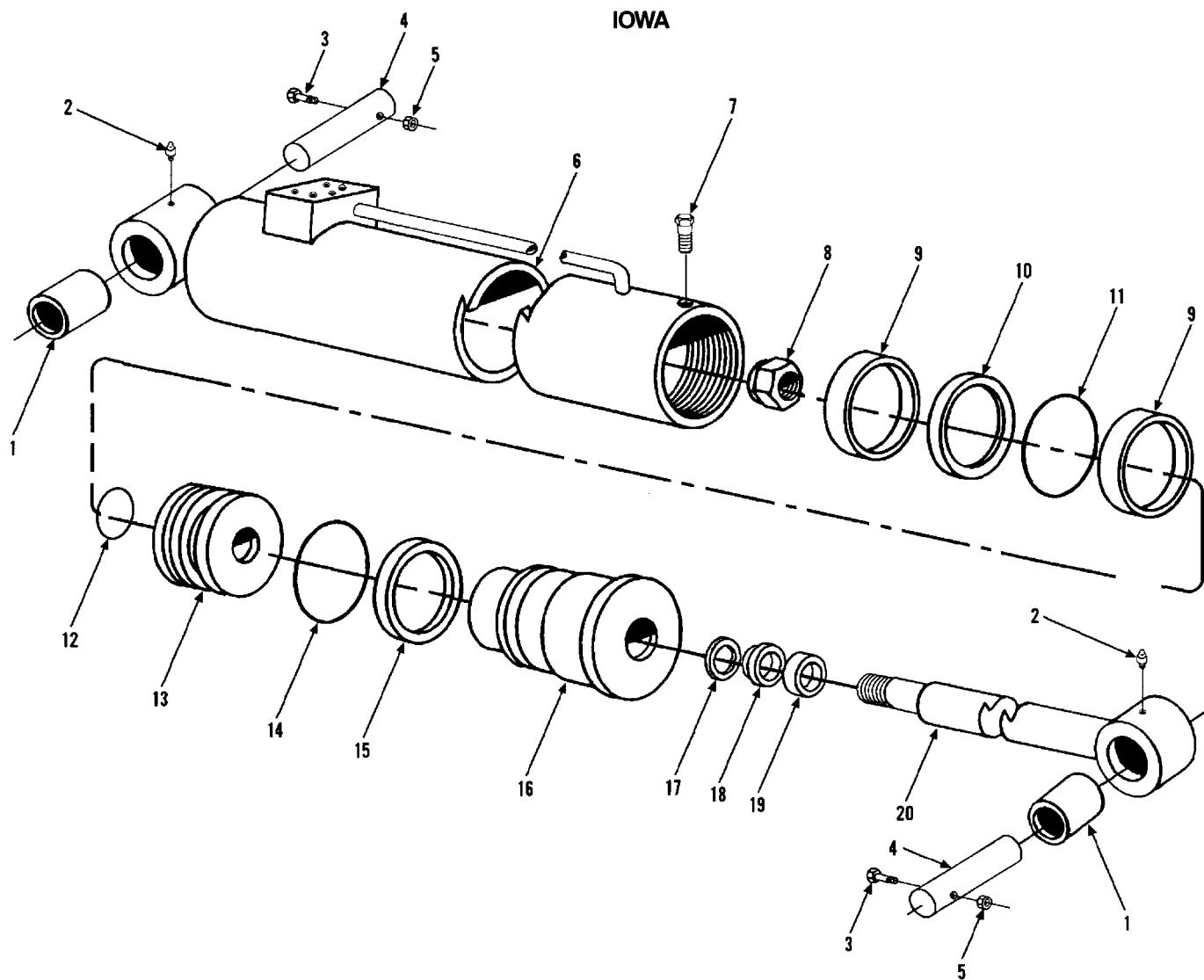
NOTE: THIS COMPLETE OUTRIGGER CYLINDER ASSY IS NO LONGER AVAILABLE. IF A COMPLETE OUTRIGGER CYLINDER IS NEEDED, ORDER 9114-3048.



Item	Part No.	Qty.	Description Of Part
	9103-3127	2	OUTRIGGER CYLINDER ASSY, (includes all items)
1	9104-4065	1	SEAL KIT, (includes items 1, 2, 5, 6, 7, 11, 12, 13 & 14)
2		2	BACKUP RING
3	9104-4066	1	O-RING
4	9104-4067	1	PISTON ASSY, (includes items 5, 6 & 7; lubricate and torque to 1,450-1,550 ft.lbs.)
5		1	SET SCREW, (lubricate and torque to 12-14 ft.lbs.)
6		1	O-RING
7		1	PISTON SEAL
8		2	WEAR RING
9	9104-4068	1	BARREL ASSY, (includes item 9)
10	9104-4069	2	BUSHING
11	9104-4070	1	ROD BEARING ASSY, (includes items 11 through 14; lubricate and torque to 250-300 ft. lbs.)
12		1	O-RING
13		1	BACKUP RING
14		1	ROD SEAL
15	9002-2280	1	WIPER
16	9104-4071	1	PISTON ROD ASSY, (includes item 16)
17	9104-4072	2	BUSHING
	9104-4073	1	HEX HD SELF-TAPPING SCREW
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



Item	Part No.	Qty.	Description Of Part
	9104-3305	2	OUTRIGGER CYLINDER ASSY, (includes all items)
	9103-4278	1	SEAL KIT, (includes items 5, 6, 7, 8, 10, 11, 13, & 14)
1	9104-4316	1	TUBE ASSY
2	9104-4371	1	BUSHING
3	8867-1018	1	LUBE FITTING, 45 DEGREES, 1/8
4	9103-4280	1	LOCK NUT, (torque to 1100 ft.lbs.)
5	9103-4281	2	WEARING RING
6		1	SEAL
7		1	O-RING
8		1	O-RING
9		1	PISTON
10		1	BACK-UP RING
11		1	O-RING
12	9103-4282	1	GLAND
13		1	SEAL
14		1	WIPER
15	9104-4317	1	ROD ASSY
16	9104-4371	1	BUSHING
17	8867-1033	1	LUBE FITTING, STRAIGHT 1/4-28
NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.			



Item	Part No.	Qty.	Description Of Part
	9114-3048	2	OUTRIGGER CYLINDER, (includes items 1, 2, and 6 thru 20)
	9114-4004	1	SEAL KIT, (includes items 9, 10, 11, 12, 14, 15, 17, 18 & 19)
1	9115-4002	2	BUSHING
2	8867-1001	2	GREASE FITTING
3	8320-1073	2	HEX HD CAPSCREW, 3/8-16X4-1/2, GR5
4	9103-1141	2	SHOE PIN
5	8852-1206	2	HEX LOCKNUT, 3/8-16, (nylok)
6	9115-4003	1	CASE ASSY
7	9114-4017	1	CAPSCREW, #8-32X.375
8	9103-4153	1	LOCKNUT
9	2	WEARING	
10	1	PISTON SEAL	

Item	Part No.	Qty.	Description Of Part
11		1	O-RING
12		1	O-RING
13	9103-4139	1	PISTON
14		1	O-RING
15		1	BACK-UP RING
16	9114-4024	1	CYLINDER HEAD
17		1	STEP SEAL
18		1	U-CUP
19		1	WIPER
20	9115-4004	1	ROD ASSY

NOTE: ONLY ITEMS WITH PART NUMBERS ARE AVAILABLE FOR SERVICE.



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