

680CK Loader

Parts Catalog

B1165

Reprinted

CASE

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**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

**(301B) DIESEL ENGINE
WATER PUMP AND ATTACHING PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58735	MANIFOLD - water	1
2	221- 1004	PLUG - pipe, 1/2" sq. hd.	1
3	A 58637	GASKET - water manifold	2
4	13- 624	BOLT - 3/8 x 1-1/2" N. C. hex.	2
4	13- 632	BOLT - 3/8 x 2" N. C. hex.	2
5	193- 10	WASHER - shakeproof, 3/8" ext.	4
6	A 58736	HOUSING - thermostat	1
7	G 46907	GASKET - thermostat housing	1
8	A 57641	THERMOSTAT.	1
9	13- 614	BOLT - 3/8 x 7/8" N. C. hex.	2
10	193- 10	WASHER - shakeproof, 3/8" ext.	2
11	A 58737	HOSE - manifold to pump, 1-1/4 x 5" (Replaces A60449) . . .	1
12	214- 256	CLAMP - hose, 1-3/16 x 1-3/4"	2
15	A 59220	BODY ASSY. - water pump	1
16	A 58568	PLUG - 1-3/8" cup type	1
17	221- 1005	PLUG - pipe, 3/8" P.T. sq.hd.	1
18	A 58649	GASKET - body to block	1
19	13- 618	BOLT - 3/8 x 1-1/4" N. C. hex.	2
20	G 11204	STUD - 3/8" N. C. x 1-7/16"	2
21	92- 6	WASHER - lock, 3/8"	4
22	25- 106	NUT - 3/8" N. C. hex.	2
25	A 61266	PUMP ASSY. - water	1
26	A 58646	GASKET - pump to body	1
27	A 62234	STUD - 3/8" N. C. x 1-5/16"	4
28	193- 30	WASHER - shakeproof, 3/8" int.	4
29	25- 146	NUT - 3/8" N. C. hex., jam	4
30	A 60690	PULLEY - fan driven	1
31	126- 116	KEY - pulley to pump shaft, #9 Woodruff	1
32	A 58651	WASHER - 17/32 x 1-1/16 x 3/32"	1
33	131- 1106	NUT - 1/2" N. F. crown lock	1

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**(301B) DIESEL ENGINE
CRANKSHAFT, FLYWHEEL AND HOUSING**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 58889	CRANKSHAFT - engine	1
2	A 62450	GEAR - balancer drive (10 pitch)	1
3	A 8134	PIN - dowel, balancer drive gear	1
4	A 23583	SCREW - drive gear mounting	4
5	193- 56	WASHER - Shakeproof, 3/8" ext.	4
6	A 62573	WASHER - thrust, crankshaft (Std.)	2
6	A 42932	WASHER - thrust, crankshaft (.006" oversize)	2
7	A 42490	LINERS - wide, crankshaft bearing (Std.)	3
7	A 42486	LINERS - wide, crankshaft bearing (.002" undersize)	3
7	A 42487	LINERS - wide, crankshaft bearing (.010" undersize)	3
7	A 42488	LINERS - wide, crankshaft bearing (.020" undersize)	3
7	A 42489	LINERS - wide, crankshaft bearing (.030" undersize)	3
8	A 42492	LINERS - narrow, crankshaft bearing (Std.)	2
8	A 42482	LINERS - narrow, crankshaft bearing (.002" undersize)	2
8	A 42483	LINERS - narrow, crankshaft bearing (.010" undersize)	2
8	A 42484	LINERS - narrow, crankshaft bearing (.020" undersize)	2
8	A 42485	LINERS - narrow, crankshaft bearing (.030" undersize)	2
9	A 58573	GEAR - crankshaft	1
10	A 62049	SEAL - oil, crankshaft front (2-5/8 x 3-5/8 x 1/2")	1
11	126- 129	KEY - gear & pulley, #C Woodruff	2
12	A 60012	PULLEY - fan drive	1
13	A 27903	WASHER - pulley retainer, 21/32 x 2-1/8 x 1/4"	1
14	A 28028	SCREW - pulley, 5/8 x 1-1/2" N.F. hex. spec.	1
15	92- 10	WASHER - lock, 5/8"	1
20	A 62050	SEAL - oil, crankshaft rear (4-3/4 x 5-3/4 x 1/2")	1
21	A 57457	RETAINER - oil seal, crankshaft rear	1
22	A 32830	GASKET - retainer, rear oil seal	1
23	13- 620	BOLT - 3/8 x 1-1/4" N.C. hex.	6
24	92- 6	WASHER - lock, 3/8"	6
25	A 60500	FLYWHEEL ASSY.	1
26	A 58778	GEAR - ring, flywheel (139 teeth)	1
27	114- 625	BOLT - 5/8 x 1-1/2" N.F. hex.	6
30	A 9397	HOUSING - flywheel	1
31	A 61040	BOLT - dowel, 1/2 x 3" N.C. hex.	1
31	A 61041	BOLT - dowel, 1/2 x 2-7/16" N.C. hex.	1
32	13- 826	BOLT - 1/2 x 1-5/8" N.C. hex.	3
33	13- 836	BOLT - 1/2 x 2-1/4" N.C. hex.	3
34	92- 8	WASHER - lock, 1/2"	8
35	25- 108	NUT - 1/2" N.C. hex.	5
36	166- 138	SCREW - 3/4 x 3" N.C. 12 pt.	2
37	92- 12	WASHER - lock, 3/4"	2
38	25- 1012	NUT - 3/4" N.C. hex.	2
39	A 58931	SHIELD - dust, flywheel	1
40	13- 812	BOLT - 1/2 x 3/4" N.C. hex.	2
41	13- 824	BOLT - 1/2 x 1-1/2" N.C. hex.	2
42	92- 8	WASHER - lock, 1/2"	4
43	25- 108	NUT - 1/2" N.C. hex.	2

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**(301B) DIESEL ENGINE
ENGINE GASKET KITS**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 42891	VALVE GRIND GASKET KIT - (See Note)	1
2	A 62216	GASKET - cylinder head to block	2
3	A 58928	GASKET - cylinder head cover	2
4	A 58637	GASKET - water manifold	2
5	G 46907	GASKET - thermostat housing	1
6	A 58662	GASKET - intake manifold	4
7	A 58895	GASKET - exhaust manifold	4
8	A 41403	WASHER - injector nozzle	4
9	A 41402	SEAL - carbon, injector nozzle	4
10	A 58635	GASKET - breather tube	2
11	A 23684	GASKET - cover studs	4
12	A 34133	GASKET - breather screw	2
13	A 27880	"O" RING - rocker shaft oil tube	2
14	A 59095	RING - fire, cylinder head	4
19	A 42096	CYLINDER BLOCK GASKET KIT - (See Note)	1
20	A 58612	GASKET - timing gear cover	1
21	A 58756	GASKET - oil filter base	1
22	A 58646	GASKET - water pump	1
23	A 32830	GASKET - rear oil seal retainer	1
24	A 23085	SEAL - crankshaft rear	1
25	A 57342	SEAL - oil, crankshaft front	1
26	A 58613	GASKET - timing window plug	1
27	A 58649	GASKET - water pump body	1
28	A 64434	"O" RING - filter base (not applicable)	3
30	A 42221	OIL PAN GASKET KIT - (See Note)	1
31	NSS	GASKET - oil pan (Order ref. 30)	1
32	A 58933	GASKET - drain plug	1

**NOTE: FOR COMPLETE ENGINE OVERHAUL
ORDER 1-A42891, 1-A42096 & 1-A42221**

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**(301B) DIESEL ENGINE
STARTER**

REF.	PART NO.	DESCRIPTION	REQ'D
	A 59217	STARTER ASSY. - (Delco #1113689)	1
2	A 42341	FRAME ASSY. - commutator end	1
3	A 42323	BUSHING - frame, 9/16 x 11/16 x 57/64"	1
4	R 15023	WICK - oil	1
5	221- 1041	PLUG - oil wick hole	1
6	114- 1	BOLT - 1/4 x 1" N.F. hex.	4
7	192- 19	WASHER - lock, 1/4"	4
9	A 42786	PLATE ASSY. - brush	1
10	NSS	CONNECTOR - brush strap	3
11	NSS	TERMINAL ASSY. - commutator end.	1
12	NSS	PLATE - brush holder	3
13	NSS	HOLDER - brush	4
14	A 42786	SCREW ASSY. - brush holder mounting	4
15	A 42338	SCREW ASSY. - brush spring pin attaching	4
16	A 42333	SPRING - brush	4
17	NSS	PIN - brush spring mounting	4
18	187- 1051	SCREW - brush plate mounting	1
19	A 40891	BRUSH ASSY.	4
20	174- 211	SCREW - brush, #8 x 5/16" N.C. rd. hd. mach.	4
22	A 42085	WASHER - commutator end terminal (Rubber)	1
23	R 15013	WASHER - 25/64 x 11/16 x 1/16"	1
24	192- 21	WASHER - lock, 3/8"	1
25	129- 143	NUT - 3/8" N.C. hex., jam	2
27	A 42332	COIL ASSY. - field	1
28	A 40896	STUD - starter terminal.	1
29	R 15115	SHOE - pole	4
30	A 42127	SCREW - pole shoes	8
31	A 42342	INSULATION - field coil	1
32	A 42327	INSULATION - field coil	2
33	NSS	FRAME - field	1
34	R 21587	PLUG - brush inspection	1
35	A 41924	GASKET - inspection plug	2
36	A 41925	BUSHING PACKAGE - terminal stud	1
37	D 30005	WASHER - insulator, field terminal stud	2
38	D 30006	WASHER - field terminal stud	1
39	A 42343	CONNECTOR - field terminal stud to solenoid	1
40	192- 113	WASHER - lock, 1/2"	1
41	129- 145	NUT - 1/2" N.C. hex., jam	2
42	192- 21	WASHER - lock, 3/8"	1
43	B 90397	NUT - 3/8" N.C. hex.	1
45	A 40800	ARMATURE - starter	1
46	A 41917	WASHER - armature, commutator end	1
47	A 42202	WASHER - armature spacer, 49/64 x 1-3/4 x 19/64"	1

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**ELECTRICAL SYSTEM
BATTERIES, CABLES AND ENGINE PRE-HEATER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A 58559	BATTERY - electrical, 12 volt	2
2	25- 106	NUT - hex. (3/8" - 16 NC)	4
3	92- 6	WASHER - med. sect. lock (3/8")	4
3A	195- 25	WASHER - plain (3/8")	4
4	L 15283	FRAME - battery holddown	2
5	L 11059	TRAY - battery	2
6	13- 612	HHCS - 3/8" - 16 NC x 3/4"	4
7	92- 6	WASHER - med. sect. lock (3/8")	4
8	195- 25	WASHER - plain (3/8")	4
9	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
10	92- 6	WASHER - med. sect. lock (3/8")	2
11	195- 25	WASHER - plain (3/8")	2
12	L 18934	CABLE - battery, negative	1
13	L 26443	CABLE - starter to ground, negative	1
14	L 18935	CABLE - battery, positive	1
15	A 59217	STARTER - engine, electrical (Parts list pages 39 thru 43) . . .	1
16	A 24093	CABLE - starter to pre-heater solenoid	1
17	113- 3	HHCS - 1/4" - 20 NC x 3/4" (Zinc plated)	2
18	195- 518	WASHER - plain (1/4") Zinc plated	2
19	A 57069	SOLENOID - manifold heater, 12 volt	1
20	92- 3	WASHER - med. sect. lock (#10)	1
21	129- 27	NUT - hex. (#10 - 32 NF)	1
22	L 11520	BRACKET - solenoid mounting	1
23	192- 19	WASHER - med. sect. lock (1/4") Zinc plated	2
24	129- 101	NUT - hex. (1/4" - 20 NC) Zinc plated	2
25	L 11368	CABLE - solenoid to heater	1
26	A 37775	HEATER - manifold	1
27	129- 503	NUT - hex. brass (1/4" - 20 NC)	1
28	A 20916	GASKET - element to manifold	1

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**ELECTRICAL SYSTEM
TURN SIGNAL AND FLASHER CONTROL**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 52824	SIGNAL CONTROL ASSEMBLY - turn and flasher, 12 volt (Signal - Stat No. 922)	1
1	NSS	SWITCH - signal, turn	1
2	169- 148	SCREW - machine, fillister head (#8 - 32 NC x 1")	2
3	B 50213	BULB - 12 volt, signal switch	1
4	223- 14	FUSE - protective (14 amp.)	1
5	L 32212	FLASHER - signal (Signal - stat No. 250)	1
6	L 16454	BRACKET - mounting, signal control to cover	1
7	174- 211	SCREW - machine, round head (#8 - 32 NC x 5/16") Zinc plated	4
8	192- 16	WASHER - med sect. lock (#8) Zinc plated	4
9	L 16453	COVER - signal control, at console	1
10	173- 201	SCREW - machine, round head (1/4" - 20 NC x 1/2") Zinc plated	6
11	92- 4	WASHER - med. sect. lock (1/4")	6
12	25- 104	NUT - hex. (1/4" - 20 NC)	6
13	D 37936	GROMMET - signal wire protection	1

TRANSMISSION AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	13- 616	HHCS - 3/8" - 16 NC x 1" (Transmission to flywheel housing)	12
2	92- 6	WASHER - med. sect. lock (3/8")	12
3	REF.	TRANSMISSION ASSEMBLY - forward and reverse (Parts list pages 71 thru 77)	1
4	L 47759	GASKET - forward-reverse transmission to adapter plate	1
5	61- 524	CAP SCREW - hex. socket head (5/16" - 18 NC x 1-1/2") Grade 8	9
6	L 45279	PLATE - adapter, forward-reverse to four speed transmission	1
6A	138- 127	PIN - roll, 1/4" dia. x 1/2" long	1
7	L 47760	GASKET - adapter plate to four speed transmission	1
8	13- 924	HHCS - 9/16" - 12 NC x 1-1/2"	4
9	92- 9	WASHER - med. sect. lock (9/16")	4
10	L 47203	TRANSMISSION ASSEMBLY - four speed (Parts list pages 81 thru 85)	1
11	13- 1040	HHCS - 5/8" - 11 NC x 2-1/2"	4
12	92- 10	WASHER - med. sect. lock (5/8")	4
12A	195- 903	WASHER - bevel (5/8")	4
13	L 47375	BRACKET - mounting, adapter plate to chassis (R.H.)	1
14	L 47376	BRACKET - mounting, adapter plate to chassis (L.H.)	1
15	13- 1264	HHCS - 3/4" - 10 NC x 4"	2
16	A 19066	MOUNT - rubber, transmission	2
16A	L 50197	SHIM - 16 gauge	UAR
16B	L 50194	SHIM - 12 gauge	UAR
17	A 19068	WASHER - special, rubber mount	2
18	95- 12	WASHER - plain (3/4")	2
19	92- 12	WASHER - med. sect. lock (3/4")	2
20	25- 1012	NUT - hex. (3/4" - 10 NC)	2
21	132- 54	PIN - cotter, 1/8" dia. x 1-3/4"	1
22	L 48339	NUT - transmission shaft to brake drum	1
23	REF.	DRUM ASSEMBLY - transmission parking brake (See page 81 for parts list and related components)	1
24	L 48288	DRIVE SHAFT ASSEMBLY - parking brake flange to rear axle	1
25	L 31781	BOLT - special, front spider and bearing to brake flange (3/8" - 24 NF x 1-7/8")	4
26	L 32430	WASHER - lock, special	4
	L 32423	SPIDER AND BEARING ASSEMBLY - front	1
27	NSS	SPIDER AND BEARING - front	1
28	219- 1	FITTING - grease, straight (1/8" NPT)	1
29	L 48345	COUPLING - center, spider and bearing	1
	L 31776	SPIDER AND BEARING ASSEMBLY - rear	1
30	NSS	SPIDER AND BEARING - rear	1
31	219- 1	FITTING - grease, straight (1/8" NPT)	1
32	28- 648	BOLT - special, spider and bearing assemblies to center coupling (3/8" - 24 NF x 3")	4
33	L 33426	BOLT - special, rear spider and bearing to splined yoke (3/8" - 24 NF x 1-3/4")	4
34	L 32430	WASHER - lock, special	8
35	L 48242	YOKE - splined, at adapter	1
36	219- 1	FITTING - grease, straight (1/8" NPT)	1
37	REF.	AXLE ASSEMBLY - rear drive (Parts list pages 93 thru 111)	1
38	L 48498	SEAL - drive shaft, at splined yoke	1

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**FORWARD AND REVERSE TRANSMISSION
COOLING SYSTEM**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	TRANSMISSION - forward and reverse (See pages 71 thru 77 for parts lists)	1
2	221- 164	NIPPLE - pipe (3/8" NPT x 2")	1
3	221- 1056	REDUCING BUSHING - hex., pipe (1/2" x 3/8" NPT)	1
4	A 13795	SENDING UNIT - torque converter temperature gauge	1
5	221- 1424	TEE - pipe (1/2" NPT)	1
6	221- 1377	ELBOW - pipe, 90° (1/2" NPT) Tee to hose.	1
7	L 48749	HOSE - forward and reverse transmission to radiator (56" long)	1
8	218- 1098	ELBOW - special, at radiator	2
9	REF.	RADIATOR ASSEMBLY - engine and forward and reverse transmission cooling (See page 67 for related parts).	1
10	L 48750	HOSE - radiator to forward and reverse transmission (62" long).	1
11	D 20302	CLAMP - hose to frame	2
12	221- 1403	ELBOW - street, 45° (3/8" NPT).	1

**L54431 CONVERTER COOLER KIT
(BEFORE TRACTOR SER. NO. 9108541)**

13	L 54413	COOLER - converter oil	1
14	L 54240	BRACKET - mounting, oil cooler	4
15	13- 510	HHCS - 5/16" - 18 NC x 5/8"	4
16	195- 21	WASHER - plain (5/16")	4
17	92- 5	WASHER - med. sect. lock (5/16")	4
18	131- 607	NUT - Tinnerman (5/16" - 18 NC)	4
19	L 54410	HOSE - radiator outlet to cooler	1
20	L 54409	HOSE - return	1
21	D 35908	CLAMP - hose	1

**TRANSMISSION CONTROLS
FOUR SPEED SHIFTING PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 47203	TRANSMISSION ASSEMBLY - 4 speed	1
1	A 26727	KNOB - shift lever	1
2	L 47325	LEVER - shift control.	1
3	L 33378	CAP - control cover	1
4	L 33379	WASHER - spring, control lever	1
5	L 33380	SPRING - control lever	1
6	L 33375	PIN - control cover.	1
7	L 33369	RAIL - shift, first and second gears	1
8	L 33372	END - shift rail, first and second gears	1
9	L 33368	RAIL - shift, third and fourth gears.	1
10	L 33373	SPRING - poppet	2
11	211- 11	BALL - steel (3/8" dia.)	2
12	L 33374	PLUNGER - interlock.	1
13	L 33371	FORK - shifting, first and second gears	1
14	L 33370	FORK - shifting, third and fourth gears	1
15	138- 97	PIN - roll, 3/16" dia. x 1-1/8"	3
16	L 33366	COVER - shift control (See page 81 for related parts).	1
17	L 33986	BOOT - shift lever	1

**L54047 REAR AXLE
AXLE AND PLANETARY**

REF.	PART NO.	DESCRIPTION	REQ'D.
34	A 50197	CONE - bearing, inner	2
35	L 33259	SEAL - oil, hub	2
36	114- 506	HHCS - 9/16" - 18 NF x 1-1/4" (Grade 8)	4
37	114- 507	HHCS - 9/16" - 18 NF x 2" (Grade 8)	8
38	L 35631	BRAKE ASSEMBLY - wheel, L.H. (Parts list page 103) . . .	1
38	L 35630	BRAKE ASSEMBLY - wheel, R.H. (Parts list page 103) . . .	1
39	L 33853	WASHER - special	12
40	131- 96	NUT - hex. (9/16" - 18 NF) Grade 8	12

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**L47295, L52065 AND L54047 REAR AXLES
DIFFERENTIAL PINION, RING GEAR AND CASE**

REF.	PART NO.	DESCRIPTION	REQ'D.
L	47295	AXLE ASSEMBLY - complete, rear (Before tractor Ser. No. 9106564)	1
L	52065	AXLE ASSEMBLY - complete, rear (Tractor Ser. No. 9106564 thru 9108686; also Ser. Nos. 9106559 and 9106561)	1
L	54047	AXLE ASSEMBLY - complete, rear (Tractor Sn. 9108687 and after)	1
1	221- 1025	PLUG - filler, housing (3/4" NPT square socket head) . .	1
2	L 33264	BREATHER - axle housing	1
3	L 33263	HOUSING - axle	1
4	221- 668	PLUG - drain, housing	1
	L 33267	DIFFERENTIAL AND CARRIER ASSEMBLY - axle (When stock is exhausted, order L33915 differential and carrier assembly for service)	1
	L 33915	DIFFERENTIAL AND CARRIER ASSEMBLY - axle	1
	L 33268	DIFFERENTIAL ASSEMBLY - axle (When stock is exhausted, supply L35256 for service)	1
	L 35256	DIFFERENTIAL ASSEMBLY - axle	1
	L 33269	GEAR SET - pinion and ring gear (Matched set)	1
5	NSS	PINION - drive	1
6	NSS	GEAR - drive, ring type	1
7	L 33270	BOLT - special, ring gear to case	12
8	131- 720	NUT - hex., lock (7/16" - 20 NF)	12
	L 33272	BODY ASSEMBLY - differential (When stock is exhausted, supply L35257 for service)	1
	L 35257	BODY ASSEMBLY - differential	1
9	138- 160	LOCK PIN - pinion pin	1
10	L 33277	PIN - side pinion	1
11	L 33275	WASHER - thrust, pinion	2
12	L 35255	PINION - side, differential	2
13	L 33276	WASHER - thrust, side gear	2
14	L 33274	GEAR - side, differential	2
15	NSS	CASE - differential body	1
16	L 33286	BEARING - pinion, inner	1
16AL	33280	RETAINER - pinion bearing (Used with L33267 differential only) Not illustrated	1
16A D	54777	RETAINER - pinion bearing (Used with L33915 differential only) Not illustrated	1
	L 33278	CARRIER AND CAP ASSEMBLY - differential (Used with L33267 differential and carrier assembly)	1
	D 54776	CARRIER AND CAP ASSEMBLY - differential (Used with L33915 differential and carrier assembly)	1
17	L 33279	BOLT - special (Used with L33278 carrier and cap assembly)	4
17	13- 1040	HHCS - 5/8" - 11 NC x 2-1/2" (Used with L33917 carrier and cap assembly)	4
18	L 33292	WASHER - special (Used with L33279 bolt only)	4
18	192- 165	WASHER - med. sect. lock (5/8") Used with 13-1040 bolt only)	4
19	NSS	CAP - carrier	2
20	NSS	CARRIER - differential	1
21	L 33289	CONE - bearing, differential	2
22	A 30308	CUP - bearing, differential	2
23	L 33287	NUT - adjusting, bearing (Used with L33267 differential only)	2
23	D 54780	NUT - adjusting, bearing (Used with L33915 differential only)	2

**BRAKE SYSTEM
VACUUM PUMP AND LUBRICATION LINES**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	13- 818	HHCS - 1/2" - 13 NC x 1-1/8"	2
2	92- 8	WASHER - med. sect. lock (1/2")	2
3	A 61155	BRACKET - pump mounting	1
4	13- 720	HHCS - 7/16" - 14 NC x 1/4"	3
5	92- 7	WASHER - med. sect. lock (7/16")	3
6	195- 2042	WASHER - plain (7/16")	3
7	L 47530	PLATE - mounting, vacuum pump to bracket	1
8	13- 724	HHCS - 7/16" - 14 NC x 1-1/2"	4
9	A 18534	PUMP - vacuum (Parts list page 123)	1
10	92- 7	WASHER - med. sect. lock (7/16")	4
11	25- 107	NUT - hex. (7/16" - 14 NC)	4
12	A 18536	PULLEY - drive, vacuum pump	1
13	L 11403	BELT - drive, vacuum pump	1
14	221- 1053	BUSHING - reducing (3/8" NPT x 1/4" NPT)	1
15	221- 691	TEE - pipe, street (1/4" NPT)	1
16	221- 84	BUSHING - reducing (1/4" NPT x 1/8" NPT)	1
17	221- 1101	NIPPLE - pipe (1/8" NPT x 3/4" long)	1
18	221- 1421	TEE - pipe (1/8" NPT)	1
19		RESERVED	
20	L 40890	HOSE - lubrication, vacuum pump	1
	222- 5003	CONNECTOR ASSEMBLY - straight, flex tube	1
21	222- 5060	NUT - flex tube	1
22	222- 5047	SLEEVE - flex tube	1
23	NSS	BODY - straight connector	1
24	49885	CLAMP - lubrication hose	1
25	217- 133	STEM - hose, 90°	1
26	L 48365	HOSE - return, pump lubrication (Cut to 34" long)	1
27	214- 253	CLAMP - hose	2
28	217- 186	STEM - hose, 45°	1

**BRAKE SYSTEM
PARKING BRAKE LEVER AND LINKAGE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	A 17214	LEVER ASSEMBLY - hand brake	1
1	NSS	LEVER - hand brake	1
2	L 30975	PIN - clevis	1
3	95- 5	WASHER - plain (5/16")	1
4	132- 26	PIN - cotter, 3/32" dia. x 3/4"	1
5	13- 612	HHCS - 3/8" - 16 NC x 3/4"	4
6	92- 6	WASHER - med. sect. lock (3/8")	4
7	213- 3	YOKE - rod end (5/16")	2
8	25- 115	NUT - hex., jam (5/16" - 24 NF)	2
9	L 47038	ROD - connecting, brake lever to bellcrank	1
10	141- 3	PIN - voke (5/16")	1
11	132- 25	PIN - cotter, 3/32" dia. x 5/8"	1
12	L 47655	BELLCRANK - parking lever, upper	1
13	95- 14	WASHER - plain (7/8")	1
14	132- 71	PIN - cotter, 5/32" dia. x 1-1/4"	1
15	VR 2694	ROD AND YOKE - lever	1
16	25- 156	NUT - hex., jam (3/8" - 24 NF)	1
17	213- 4	YOKE - rod end (3/8")	1
18	141- 4	PIN - voke (3/8")	2
19	132- 25	PIN - cotter, 3/32" dia. x 5/8"	2
20	L 47550	BELLCRANK - parking lever, lower	1
21	L 47558	SHAFT - pivot, lower bellcrank	1
22	132- 71	PIN - cotter, 5/32" dia. x 1-1/4"	2
23	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	2
24	L 47546	BRACKET - mounting, bellcrank	1
25	92- 6	WASHER - med. sect. lock (3/8")	2
26	25- 106	NUT - hex. (3/8" - 16 NC)	2
27	219- 1	FITTING - grease, straight (1/8" NPT)	2

**STEERING HYDRAULICS
L13405 MANUAL STEERING PUMP**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 13405	PUMP ASSEMBLY - manual steering	1
2	L 30882	RETAINER - bearing, outer	1
3	F 53335	RETAINER - bearing, inner	2
4	L 30881	BEARING - control column	1
5	L 30880	SHAFT - control	1
6	166- 23	SCREW - ferrv cap (5/16" - 18 NC x 5/8")	4
7	L 30879	COLUMN - control	1
8	A 72029	QUAD RING - control column	1
9	A 17528	SEAL - "O"ring, bushing	1
10	A 72030	BUSHING - cap locating	1
11	166- 530	SCREW - ferrv cap (5/16" - 24 NF x 2-1/4")	7
12	A 72024	CAP - end	1
	L 30874	GEAR SET - control	1
13	NSS	RING - gear	1
14	NSS	STAR - gear	1
15	A 72026	PLATE - spacer	1
16	L 30877	SPACER - control	1
17	L 30878	DRIVE - control end	1
	L 30884	CONTROL ASSEMBLY - pump	1
18	NSS	SLEEVE	1
19	L 30894	DISC - centering pin	2
20	L 30888	PIN - centering	1
21	NSS	SPOOL	1
22	L 30889	SPRING - centering	6
23	NSS	HOUSING	1
24	L 30893	SEAL - plug	1
25	L 30892	PLUG - seal, housing	1
26	L 30891	SEAT - check	1
27	211- 7	BALL - steel (1/4" dia.)	1
28	L 30890	SPRING - check	1

A55158 STEERING CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
	A 55158	CYLINDER - steering, 1-3/4" LD. x 9" stroke	1
29	173- 227	RHMS - #10 - 24 NC x 1/2"	3
30	92- 3	WASHER - med. sect. lock (#10)	3
31	A 35887	PLATE - end	1
32	A 24973	GLAND ASSEMBLY - complete	1
33	A 36396	SEAL KIT - gland	1
34	A 35885	RING - snap, gland retaining	1
35	A 55955	ROD - piston	1
36	A 56226	PISTON AND RING ASSEMBLY - cvlinder	1
37	131- 366	NUT - hex, lock (3/8" - 24 NF)	1
38	NSS	TUBE WELDMENT - cvlinder	1
39	219- 36	FITTING - grease, 45° (1/8" NPT)	1
40	132- 56	PIN - cotter, 1/8" dia. x 2"	1
41	A 35890	PLUG - adjusting	1
42	A 35889	SEAT - ball stud	2
43	A 35870	STUD - ball joint	1
44	A 35888	SPRING - tension	1

CHASSIS, FENDERS AND STEPS

REF.	PART NO.	DESCRIPTION	REQ'D.
46	13- 12128	HHCS - 3/4" - 10 NC x 8"	2
47	195- 46	WASHER - plain (3/4")	2
48	L 18638	PLATE - counterweight mounting	2
49	192- 167	WASHER - heavy sect. lock (3/4")	2
50	25- 1012	NUT - hex. (3/4" - 10 NC)	2
51	L 19074	HANDLE - operator assist (If used)	2
52	13- 520	HHCS - 5/16" - 18 NC x 1-1/4"	4
53	92- 5	WASHER - med. sect. lock (5/16")	4
54	25- 105	NUT - hex. (5/16" - 18 NC)	4

HYDRAULIC TANK AND FILTERS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 47293	TANK - hydraulic oil reservoir	1
1A	221- 676	PLUG - pipe, magnetic drain (3/4" NPT)	1
2	13- 624	HHCS - 3/8" - 16 NC x 1-1/2"	3
2A	92- 6	WASHER - med. sect. lock (3/8")	3
3	95- 6	WASHER - plain (3/8")	4
4	25- 106	NUT - hex. (3/8" - 16 NC)	1
4A	95- 8	WASHER - standard wrot (1/2")	1
5	L 26082	DIPSTICK - hvdraulic oil level gauge	1
6	A 7552	SEAL - "O" ring, dinstick	1
7	13- 616	HHCS - 3/8" - 16 NC x 1"	6
8	92- 6	WASHER - med. sect. lock (3/8")	6
9	D 34977	COVER - hydraulic tank, R.H.	1
10	D 34978	GASKET - cover (When stock is exhausted, order D50547 gasket for service)	1
10	D 50547	GASKET - cover	1
11	A 18789	FILTER - hvdraulic oil, suction line	1
12	13- 616	HHCS - 3/8" - 16 NC x 1"	6
13	92- 6	WASHER - med. sect. lock (3/8")	6
14	D 34976	COVER - hydraulic tank, L.H.	1
15	D 34978	GASKET - cover (When stock is exhausted, order D50547 gasket for service)	1
15	D 50547	GASKET - cover	1
16	L 51620	VALVE - filter bypass, 25 P.S.I.	1
17	L 51619	FILTER - hydraulic oil, return line	1
18	R 15538	VALVE - hvdraulic tank, air inlet	1
19	R 15536	VALVE - hvdraulic tank, relief	1
20	L 15043	MAGNET - hydraulic tank.	1

CAB HEATER AND RELATED PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	221- 1164	NIPPLE - pipe	1
2	221- 1328	COUPLING - pipe	1
3		RESERVED	
4	A 16764	VALVE - water shutoff	1
5	214- 253	CLAMP - hose	1
6	L 46646	HOSE - heater, low pressure (95" long)	1
7	113- 3	HHCS - 1/4" - 20 NC x 3/4"	1
8	L 19212	BRACKET - hose mounting	1
9	92- 4	WASHER - med. sect. lock (1/4")	1
10	25- 104	NUT - hex. (1/4" - 20 NC)	1
11	13- 528	HHCS - 5/16" - 18 NC x 1-3/4"	1
12	A 14078	CLAMP - hose.	1-2
13	D 33554	SPACER - hose clamp.	1-2
14	92- 5	WASHER - med. sect. lock (5/16").	1-2
15	25- 105	NUT - hex. (5/16" - 18 NC)	1-2
16	13- 532	HHCS - 5/16" - 18 NC x 2" (If used)	1
17	214- 253	CLAMP - hose.	2
18	A 19941	ELBOW - special, 90°	2
19	A 12897	HEATER - 12 volt	1
20	13- 412	HHCS - 1/4" - 20 NC x 3/4"	4
21	92- 4	WASHER - med. sect. lock (1/4")	4
22	L 13465	ELBOW - special, 45°	2
23	L 13466	HOSE - low pressure (26" long)	1
24	L 15163	TUBE - defroster	1
25	13- 412	HHCS - 1/4" - 20 NC x 3/4"	2
26	95- 4	WASHER - standard wrot (1/4")	2
27	92- 4	WASHER - med. sect. lock (1/4")	2
28	25- 104	NUT - hex. (1/4" - 20 NC)	2
29	R 14668	CLAMP - hose (If used).	1
30	214- 253	CLAMP - hose	1
31	L 17985	NIPPLE - heater hose, special.	1
32	221- 1092	BUSHING - reducing, pipe (3/4" x 3/8")	1

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LOADER BUCKETS

REF.	PART NO.	DESCRIPTION	REQ'D.
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1-1/4 CUBIC YARD LOADER BUCKET (MACHINERY ITEM)

1	L	13655	BUCKET - loader, 1-1/4' cu. yd. (84-3/8" wide).....	1
2	L	13659	CUTTING EDGE - bucket (84-3/8" wide).....	1
3	D	32919	BUSHING - bucket ear, upper.....	4
4	D	33659	BUSHING - bucket ear, lower.....	4

BUCKET TEETH (OPTIONAL ON L13655 BUCKET ONLY)

5	L	16667	TOOTH ASSEMBLY - bucket.....	8
		NSS	SHANK - tooth.....	1
6	D	39093	POINT - tooth.....	1
7	D	39094	FLEX PIN - point.....	1
8	13-	1036	HHCS - 5/8" - 11 NC x 2-1/4".....	8
9	13-	1048	HHCS - 5/8" - 11 NC x 3".....	8
10	92-	10	WASHER - med. sect. lock (5/8").....	16
11	129-	561	NUT - hex. (5/8" - 11 NC).....	16

1-3/4 CUBIC YARD LOADER BUCKET (MACHINERY ITEM)

12	L	13775	BUCKET - loader, 1-3/4' cu. yd. (96" wide).....	1
13	L	13774	CUTTING EDGE - bucket (96" wide).....	1
14	D	32919	BUSHING - bucket ear, upper.....	4
15	D	33659	BUSHING - bucket ear, lower.....	4

**LOADER HYDRAULICS
CONTROL VALVE TO LIFT CYLINDERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader control (See page 351 or 353 for proper valve)	1
2	13- 672	HHCS - 3/8" - 16 NC x 4-1/2"	3
3	92- 6	WASHER - med. sect. lock (3/8")	3
4	25- 106	NUT - hex. (3/8" - 16 NC)	3
5	218- 5064	CONNECTOR - male, straight	2
6	218- 5008	SEAL - "O"ring.	1
7	L 25853	TUBE - valve to lift cylinder, closed end (At valve)	1
8	L 25890	TUBE - valve to lift cylinder, rod end (At valve)	1
9	L 25887	TUBE - valve to R.H. lift cylinder, closed end	1
10	221- 1661	PLUG - pipe, hex. head.	1
11	L 25893	TUBE - valve to L.H. lift cylinder, closed end	1
12	L 25884	TUBE - valve to R.H. lift cylinder, rod end	1
13	L 25895	TUBE - valve to L.H. lift cylinder, rod end	1
14	13- 528	HHCS - 5/16" - 18 NC x 1-3/4"	2
15	92- 5	WASHER - med. sect. lock (5/16")	2
16	R 17319	CLAMP - tube.	2
17	D 33552	SPACER - clamp	2
17A	25- 105	NUT - hex. (5/16" - 18 NC)	2
18	D 34780	HOSE - valve to lift cylinder (19" long)	4
19	214- 269	CLAMP - tube to cylinder	2
20	D 39502	SADDLE - tube, rubber.	2
21	L 26332	TUBE - valve to lift cylinder, closed end (At cylinder)	2
22	L 26308	TUBE - valve to lift cylinder, rod end (At cylinder)	2
23	218- 5062	CONNECTOR - male, straight	4
24	218- 5007	SEAL - "O"ring.	1
25	REF.	CYLINDER - hydraulic, R.H. loader lift (See pages 289 thru 293 for proper cylinder)	1
26	REF.	CYLINDER - hydraulic, L.H. loader lift (See pages 289 thru 293 for proper cylinder)	1

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**EQUIPMENT PRIMARY HYDRAULICS
OIL COOLER AND RETURN LINES
(BEFORE TRACTOR SER. NO. 9106750)**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic, loader control (See page 351 and 353 for valve)	1
2	218- 5050	CONNECTOR - male, straight	1
3	218- 5008	SEAL - "O"ring	1
4	L 46458	TUBE - return, loader valve to manifold	1
5	L 24325	MANIFOLD - oil cooler	1
6	L 13790	VALVE - relief, oil cooler	1
7	214- 256	CLAMP - hose	4
8	L 13707	HOSE - tube connector	2
9	L 46757	TUBE - manifold to cooler	1
10	L 47485	BRACKET - cooler tube clamp	1
11	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	1
12	95- 6	WASHER - plain (3/8")	1
13	92- 6	WASHER - med. sect. lock (3/8")	1
14	25- 106	NUT - hex. (3/8" - 16 NC)	1
15	L 17508	CLAMP - cooler tube	2
16	13- 516	HHCS - 5/16" - 18 NC x 1"	2
17	92- 5	WASHER - med. sect. lock (5/16")	2
18	25- 105	NUT - hex. (5/16" - 18 NC)	2
19	214- 256	CLAMP - hose	4
20	R 13970	HOSE - tube connector	2
21	A 57183	COOLER - hydraulic oil	1
22	13- 510	HHCS - 5/16" - 18 NC x 5/8"	4
23	92- 5	WASHER - med. sect. lock (5/16")	4
24	195- 21	WASHER - plain (5/16")	4
25	131- 607	NUT - tinnerman (5/16" - 18 NC)	4
26	L 46756	TUBE - return, cooler to manifold	1
27	218- 5293	TEE - return line	1
28	218- 5011	SEAL - "O"ring	1
29	L 46755	TUBE - return, manifold to reservoir	1
30	218- 5072	CONNECTOR - male, straight	1
31	218- 5011	SEAL - "O"ring	1
32	L 47293	TANK - hydraulic oil reservoir (See page 159 for related parts)	1

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**LOADER CONTROLS
ANTI-ROLLBACK PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 26599	ROD - control, anti-rollback	1
1A	L 19090	ROLLER - control rod	1
1B	138- 128	PIN - roll, 1/4" dia. x 5/8"	1
2	L 26612	TUBE - support, control rod	1
3	195- 33	WASHER - plain (1/2")	2
4	132- 28	PIN - cotter, 3/32" dia. x 1"	2
5	L 26620	LEVER - control, anti-rollback	1
6	L 26614	LINK - pivot, anti-rollback control	1
7	A 27001	KEY - parallel, 3/16" x 1-3/8"	1
8	83- 66	SCREW - set, hex. socket head (3/8" - 16 NC x 3/8").	1
9	213- 3	YOKE - rod (5/16")	1
10	25- 155	NUT - hex., iam (5/16" - 24 NF).	1
11	L 17663	ROD AND YOKE - control	1
12	141- 3	PIN - clevis (5/16")	2
13	95- 5	WASHER - plain (5/16")	2
14	132- 25	PIN - cotter, 3/32" dia. x 5/8"	2
15	L 18631	LEVER - tilt control (Before tractor Ser. No. 9106567)	1
15	L 51635	LEVER - tilt control (Tractor Ser. No. 9106567 and after; also Ser. Nos. 9106556 and 9106565)	1
16	L 26340	LINK - tilt lever to valve spool	2
17	141- 3	PIN - clevis (5/16")	2
18	132- 25	PIN - cotter, 3/32" dia. x 5/8"	2
19	A 19513	SWITCH - actuator (If used) See page 207 for related electrical components	1
20	171- 68	SCREW - machine, flat head (#6 - 32 NC x 1-1/4") If used	2
21	195- 506	WASHER - plain (#6) Zinc plated (If used)	2
22	129- 15	NUT - hex. (#6 - 32 NC) Zinc plated (If used)	2
23	REF.	VALVE - hydraulic, loader control (See page 351 and 353 for valve).	1
24	13- 672	HHCS - 3/8" - 16 NC x 4-1/2"	3
25	92- 6	WASHER - med. sect. lock (3/8")	3
26	25- 106	NUT - hex. (3/8" - 16 NC)	3

DIPPER LIGHT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	223- 20	FUSE - 20 amp.	1
2	L 43742	WIRE ASSEMBLY - rear harness to dipper light switch (63" long) Used if tractor has a fuse in switch circuit	1
	A 8006	HOLDER - fuse	1
3	NSS	BODY - holder, fuse	1
4	A 10958	CAP - holder, fuse	1
5	NSS	WIRE - taillight	2
6	G 13142	SWITCH - dipper light	1
7	D 37808	WIRE - switch to dipper light (216" long) Used if tractor has a fuse in switch circuit	1
7A	L 53996	WIRE - switch to dipper light (216" long) Used if no fuse is in switch circuit	1
7B	L 53995	WIRE - rear harness to dipper light switch (63" long) Used if no fuse is in switch circuit	1
8	13- 528	HHCS - 5/16" - 18 NC x 1-3/4"	1
9	49853	CLAMP - wire, at boom tube clamp (If used)	1
10	95- 5	WASHER - plain (5/16")	1
11	131- 4	NUT - hex., lock (5/16" - 18 NC)	1
12	49853	CLAMP - wire, at swing tower and boom grease fitting (If used)	2
13	13- 620	HHCS - 3/8" - 16 NC x 1-1/4"	1
14	92- 6	WASHER - med. sect. lock (3/8")	1
15	25- 106	NUT - hex. (3/8" - 16 NC)	1
16	L 11541	STRAP - tie, wire retaining	UAR

EARLY PRODUCTION

17	13- 612	HHCS - 3/8" - 16 NC x 3/4"	1
18	49853	CLAMP - wire, at dipper light	1
19	195- 25	WASHER - plain (3/8")	1
20	131- 6	NUT - hex., lock (3/8" - 16 NC)	1
21	113- 443	HHCS - 1/2" - 13 NC x 6-1/2"	2
22	92- 8	WASHER - med. sect. lock (1/2")	2
23	D 41171	STRAP - light mounting	2
24	D 41427	SHIELD - dipper lamp	1

LATE PRODUCTION

25	13- 820	HHCS - 1/2" - 13 NC x 1-1/4"	4
26	92- 8	WASHER - med. sect. lock (1/2")	4
27	95- 8	WASHER - plain (1/2")	4
28	D 41427	SHIELD - dipper lamp	1
29	49857	CLAMP - wire	1
30	25- 105	NUT - hex. (1/2" - 13 NC)	4
31	13- 814	HHCS - 1/2" - 13 NC x 7/8"	4
32	92- 8	WASHER - med. sect. lock (1/2")	4
33	95- 8	WASHER - plain (1/2")	4
34	L 50503	PLATE - mounting, dipper lamp	2
35	L 50502	BLOCK - tapped, weld on	2

LAMP ASSEMBLY AND MOUNTING

36	131- 354	NUT - hex., lock (1/2" - 13 NC)	1
37	195- 33	WASHER - plain (1/2")	1
	D 37811	LAMP ASSEMBLY - dipper arm	1
38	NSS	BODY - lamp	1
39	173- 73	SCREW - machine, round head (#8 - 32 NC x 1/4")	2
40	193- 25	WASHER - lock, #8 (External tooth Shakeproof)	2
41	10927	SPRING - lamp	1
42	B 50293	INSULATOR - lamp	1
43	A 25262	WIRE - lamp	1
44	D 33182	BULB - sealed beam	1
45	D 31441	RETAINER - lamp	1

**INDIVIDUAL LEVER BACKHOE CONTROL
(FOOT SWING)**

REF.	PART NO.	DESCRIPTION	REQ'D.
CONSOLE CONTROL (EARLY AND LATE PRODUCTION)			
1	D 45375	CONSOLE - backhoe control	1
2	321- 1264	DECAL - control console	1
3	92- 6	WASHER - med. sect. lock (3/8")	2
4	25- 106	NUT - hex. (3/8" - 16 NC)	2
5	D 38292	BRACKET - console mounting (Early production)	1
5	L 53462	BRACKET - console mounting (Late production) Has tapped block for hose clamp	1
6	13- 616	HHCS - 3/8" - 16 NC x 1"	2
7	13- 632	HHCS - 3/8" - 16 NC x 2"	2
8	92- 6	WASHER - med. sect. lock (3/8")	4
9	25- 106	NUT - hex. (3/8" - 16 NC)	4
10	D 40292	COVER - console, rear (Models without dipper light)	1
10	L 43733	COVER - console, rear (Models with dipper light)	1
11	75- 58	RHMS - 5/16" - 18 NC x 1/2"	4
12	138- 98	PIN - roll, 3/16" dia. x 1-1/4"	1
13	D 30817	SHAFT - control levers	1
CONTROL LEVERS AND CONNECTING RODS EARLY PRODUCTION			
14	L 46693	LEVER - control, R.H. stabilizer	1
15	L 46692	LEVER - control, L.H. stabilizer	1
16	D 48270	LEVER - pivot, swing	1
17	L 46694	LEVER - control, boom	1
18	L 46695	LEVER - control, dipper	1
19	L 46696	LEVER - control, bucket	1
20	D 45372	ROD - connecting, R.H. and L.H. stabilizer, boom, dipper and bucket control	5
21	D 38314	ROD - connecting, swing control	1
22	D 21762	ROD - connecting, R.H. swing control	1
23	D 30819	ROD - connecting, L.H. swing control	1
CONTROL LEVERS AND CONNECTING RODS LATE PRODUCTION			
24	L 46693	LEVER - control, R.H. stabilizer	1
25	L 46692	LEVER - control, L.H. stabilizer	1
26	D 48270	LEVER - pivot, swing	1
27	L 46694	LEVER - control, boom	1
28	L 46695	LEVER - control, dipper	1
29	L 46696	LEVER - control, bucket	1
30	D 45372	ROD - connecting, R.H. and L.H. stabilizer and boom	3
31	D 38314	ROD - connecting, swing and bucket control	2
32	D 21762	ROD - connecting, R.H. swing control	1
33	D 30819	ROD - connecting, L.H. swing control	1
34	L 50123	ROD - connecting, L.H. swing control (Hydra-Guide Models only)	1
35	L 51110	ROD - connecting, dipper control	1
36	D 38296	BALL JOINT - dipper control rod	1
SWING CONTROL (EARLY AND LATE PRODUCTION)			
37	219- 92	FITTING - grease, 90°	5
38	219- 39	FITTING - grease, 45°	1

(Con't on next page)

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SERIES C**

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**STABILIZER CYLINDER LOCKING VALVES
AND RELATED PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF.	VALVE - hydraulic backhoe (Parts list page 365 or 367)	1
2	13- 868	HHCS - 1/2" - 13 NC x 4-1/4"	3
3	95- 8	WASHER - standard wrot (1/2")	6
4	92- 8	WASHER - med. sect. lock (1/2")	3
5	218- 5070	CONNECTOR - male, straight	4
6	218- 5008	SEAL - "O" ring	1
7	L 48348	TUBE - control valve to R.H. stabilizer cylinder, closed end	1
8	L 48346	TUBE - control valve to R.H. stabilizer cylinder, rod end	1
9	L 48352	TUBE - control valve to L.H. stabilizer cylinder, closed end	1
10	L 48350	TUBE - control valve to L.H. stabilizer cylinder, rod end	1
11	218- 5059	CONNECTOR - male, straight	4
12	218- 5006	SEAL - "O" ring	1
13	L 46353	VALVE - lock, stabilizer cylinder (Parts list below)	2
14	L 47195	PLATE - mounting, lock valve (Welded to mounting frame)	2
15	13- 544	HHCS - 5/16" - 18 NC x 2-3/4"	4
16	92- 5	WASHER - med. sect. lock (5/16")	4
17	131- 4	NUT - hex., lock (5/16" - 18 NC)	4
18	218- 5106	ELBOW - adjustable, 90°	4
19	218- 5006	SEAL - "O" ring	1
20	L 48139	HOSE - lock valve to stabilizer cylinder (Closed end) 23" long	2
21	L 48138	HOSE - lock valve to stabilizer cylinder (Rod end) 23" long	2
22	D 23974	ELBOW - adjustable, 90° (Closed end)	2
23	218- 5007	SEAL - "O" ring	1
24	D 26361	ELBOW - female, 90° (D43621 tube only)	2
24A	218- 1038	ADAPTER - straight (L50155 tube only)	2
25	D 43621	TUBE - valve to stabilizer cylinder, rod end (Service with L50155 tube and 218-1038 adapter)	2
25A	L 50155	TUBE - valve to stabilizer cylinder, rod end	2
26	218- 5062	CONNECTOR - male, straight	2
27	218- 5007	SEAL - "O" ring	1
28	REF.	CYLINDER - stabilizer (See pages 313 and 317 for cylinders)	2
29	214- 269	CLAMP - tube to cylinder	2

REF.	PART NO.	DESCRIPTION	REQ'D.
	L 46353	VALVE - lock	2
30	NSS	BODY - valve	1
31	L 32951	CAP - valve	1
32	218- 5004	SEAL - "O" ring	1
33	L 32954	SPRING - check	1
34	211- 12	BALL - check	1
35	L 32952	BODY - check	1
36	16905	SEAL - "O" ring	1
37	L 30012	RING - backup	1
38	D 32110	SEAL - "O" ring	2
39	L 32956	PISTON - valve	1
40	L 32953	PLUG - special	1
41	L 32957	ORIFICE - plate	1

**MODEL 680 CK LOADER AND BACKHOE 249
SERIES C**

**BOOM LOCKOUT HYDRAULICS
(TRACTORS EQUIPPED WITH TWIN LEVER
AND INDIVIDUAL LEVER CONTROLS)
TRACTOR SER. NO. 9108595 AND AFTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 53732	VALVE - backhoe control (Parts list page 367)	1
2	13- 868	HHCS - 1/2" - 13 NC x 4-1/4"	3
3	92- 8	WASHER - med. sect. lock (1/2")	3
4	95- 8	WASHER - plain (1/2")	6
5	218- 5077	CONNECTOR - male, straight	2
6	218- 5010	SEAL - "O"ring	1
7	L 51393	TUBE - boom section, lower port (Valve to boom lock valve)	1
8	218- 755	CAP - tube (Used when tractor does not have Hydra-Guide installed)	1
9	L 51381	HOSE - boom check (At valve)	2
10	218- 5108	ELBOW - male, 90°	2
11	218- 5008	SEAL - "O"ring	1
12	L 51101	VALVE - boom lockout (Parts list page 381)	1
13	13- 652	HHCS - 3/8" - 16 NC x 3-1/4"	2
14	95- 6	WASHER - plain (3/8")	2
15	92- 6	WASHER - med. sect. lock (3/8")	2
16	25- 106	NUT - hex. (3/8" - 16 NC)	2
17	L 51688	CONSOLE - backhoe control (Used only on tractor with boom lockout and twin lever controls)	1
17	L 47880	CONSOLE - backhoe control (Used only on tractor with boom lockout and individual lever controls)	1
18	L 47385	TUBE - lockout valve to cylinder, pressure line at junction tee	1
19	218- 5221	TEE - swivel, lock out valve to cylinder pressure line	1
20	L 47390	BRACKET - clamp mounting	1
21	13- 828	HHCS - 1/2" - 13 NC x 1-3/4"	1
22	92- 8	WASHER - med. sect. lock (1/2")	1
23	R 14098	CLAMP - hose	1
24	13- 616	HHCS - 3/8" - 16 NC x 1"	1
25	95- 6	WASHER - standard wrot (3/8")	1
26	92- 6	WASHER - med. sect. lock (3/8")	1
27	25- 106	NUT - hex. (3/8" - 16 NC)	1
28	D 44679	HOSE - valve to boom cylinder (64" long)	2
29	REF.	HYDRAULICS - boom cylinder (Parts list page 241)	1
30	L 51676	TUBE - boom section, upper port (Used with Hydra-Guide option)	1
30	L 50419	TUBE - boom section, upper (Used on models without Hydra-Guide)	1
31	L 47387	TUBE - tee to relief valve, pressure side	1
32	218- 5064	CONNECTOR - male, straight	1
33	218- 5008	SEAL - "O"ring	1
34	D 46850	VALVE - relief, hydraulic	1
35	13- 640	HHCS - 3/8" - 16 NC x 2-1/2"	2
36	92- 6	WASHER - med. sect. lock (3/8")	2
37	25- 106	NUT - hex. (3/8" - 16 NC)	2
38	218- 5158	PLUG - hydraulic, hex. head (1-1/16" - 12 NF)	2
39	218- 5008	SEAL - "O"ring	1
40	218- 5108	ELBOW - male, 90°	1
41	218- 5008	SEAL - "O"ring	1
42	L 54123	HOSE - relief valve to backhoe outlet (13-1/2" long)	1
43	218- 5006	SEAL - "O"ring	1
44	218- 5264	CONNECTOR - male, straight	1
45	218- 5010	SEAL - "O"ring	1

**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

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**3 POINT HITCH
MOUNTING FRAME AND RELATED PARTS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 47854	FRAME - mounting, 3 point hitch	1
1A	D 32919	BUSHING - mounting frame	12
2	L 47855	PIN - mounting, frame to chassis	4
3	13- 816	HHCS - 1/2" - 13 NC x 1"	4
4	92- 8	WASHER - med. sect. lock (1/2")	4
5	L 40681	WASHER - lock, mounting pin.	4
6	13- 1088	HHCS - 5/8" - 11 NC x 5-1/2"	4
	A 23420	HOUSING ASSEMBLY - cross shaft	1
7	NSS	HOUSING - cross shaft	1
8	A 23422	BUSHING - pivot, cross shaft	2
9	L 46517	PLATE - mounting, housing	1
10	92- 10	WASHER - med. sect. lock (5/8")	4
11	25- 1610	NUT - hex. (5/8" - 11 NC)	4
12	219- 55	FITTING - grease, 90° (1/8" NPT).	2
13	A 23419	SHAFT - cross, lift arm	1
14	73- 616	SCREW - machine, flat head (3/8" - 16 NC x 1")	2
15	A 27679	PLATE - lock, lift arm to shaft	2
16	A 27678	SHIM - adjustment, cross shaft	UAR
17	L 46559	ARM - lift, L.H.	1
18	L 45712	ARM - lift, R.H.	1
19	A 23530	CYLINDER - hydraulic, lift (Parts list page 349)	1
20	L 45730	PIN - mounting, lift cylinder	2
21	D 33805	PIN - retaining, Klik.	2
	A 57732	ARM ASSEMBLY - draft, R.H.	1
	A 57733	ARM ASSEMBLY - draft, L.H.	1
22	NSS	ARM - draft, R.H.	1
22	NSS	ARM - draft, L.H.	1
23	A 57196	LINK - folding, draft arm (R.H.)	1
23	A 57197	LINK - folding, draft arm (L.H.)	1
24	A 57199	LATCH - folding link	1
25	A 57200	SPRING - folding link latch	2
26	138- 137	PIN - roll, spring lock (1/4" dia. x 1-3/8")	1
27	A 33530	PIN - latch and folding link	2
28	A 34059	WASHER - folding link latch pin (Inside).	UAR
29	A 33531	SNAP RING - retaining, folding link latch pin	4
30	D 34654	PIN - mounting, draft arm	2
31	D 25279	RING - retaining, pin	4
32	REF.	CYLINDER - hydraulic, tilt (Parts list page 343-347)	1
33	L 45728	PIN - cylinder mounting, lower	1
34	L 45724	PIN - cylinder mounting, upper	1
35	D 33805	PIN - retaining, Klik.	2
36	L 46558	YOKE AND ROD - adjustment, lower	1
37	L 45720	TURNBUCKLE - draft arm adjustment.	1
38	L 46540	ROD - adjustment, upper	1
39	25- 1420	NUT - hex., jam (1-1/4" - NC)	1
40	L 46496	SWIVEL - upper rod to arm	1
41	L 46563	PIN - swivel to upper rod	1
42	195- 53	WASHER - plain (1").	2
43	132- 52	PIN - cotter, 1/8" dia. x 1-1/2"	2
44	L 45728	PIN - mounting, lower yoke	1
45	L 46562	PIN - mounting, upper swivel	1
46	D 33805	PIN - retaining, Klik.	2
47	REF.	CYLINDER - hydraulic, pitch (Parts list page 337-341)	1

(Con't on next page)

**3 POINT HITCH
CONTROL LEVERS AND VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L 46721	VALVE - control, 3 point hitch (Parts list page 271)	1
2	13- 664	HHCS - 3/8" - 16 NC x 4"	3
3	95- 6	WASHER - plain (3/8")	3
4	92- 6	WASHER - med. sect. lock (3/8")	3
5	25- 106	NUT - hex. (3/8" - 16 NC)	3
6	L 46607	SHAFT - pivot, control levers	1
7	95- 10	WASHER - plain (5/8")	2
8	132- 48	PIN - cotter, 1/8" dia. x 1"	2
9	L 46639	LEVER - control, spool	4
10	L 46605	SPACER - control lever	3
11	L 46602	LINK - auxiliary lever to valve spool	1
12	L 46603	LINK - tilt lever to valve spool	1
13	L 46604	LINK - pitch lever to valve spool	1
14	L 46601	LINK - lift lever to valve spool	1
15	L 46729	SPACER - link	4
16	13- 516	HHCS - 5/16" - 18 NC x 1"	4
17	95- 5	WASHER - plain (5/16")	8
18	131- 4	NUT - hex., lock (5/16" - 18 NC)	4
19	141- 3	PIN - clevis (5/16")	3
20	141- 4	PIN - clevis (3/8") Lift spool only	1
21	95- 5	WASHER - plain (5/16")	3
22	95- 6	WASHER - plain (3/8")	1
23	132- 26	PIN - cotter, 3/32" dia. x 3/4"	4

**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

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**G33555 LOADER HYDRA-LEVELING CYLINDER
3" DIA. CYLINDER WITH 7-1/4" STROKE
WITH GLAND IDENTIFICATION RING
1ST USED LOADER SER. NO. 9108050**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 33555	CYLINDER ASSY. - hydra-leveling	2
2	D 35129	TUBE ASSY. - cylinder body	1
3	30613	BUSHING - tube	2
	G 33579	GLAND ASSY.	1
5	NSS	GLAND - (w/identification ring)(See Inset A)	1
6*	D 95143	WIPER - piston rod, outer (1-3/4 x 2-1/4 x 5/16")	1
7*	D 36970	SEAL - piston rod (1-3/4 x 2-1/4 x 13/32")	1
8*	D 27432	WIPER - piston rod, inner	1
9*	A 30095	"O" RING - gland (3 x 3-1/4 x 1/8")	1
10*	G 32122	RING - gland "O" ring back-up	1
11	187- 1031	SCREW - gland lock (#8-32 x 1/4" self-tapping)	1
12	G 33556	ROD ASSY. - piston (1-3/4" dia.)(w/identification ring)	1
13	D 32865	BUSHING - piston rod	2
14	G 33331	PISTON - split (rod end)(w/identification ring)	1
15	D 28896	PISTON - split (bolt end)	1
*	G 33151	PACKING ASSY. - piston	1
17	NSS	PACKING ASSY. - "V" type	2
18	NSS	RING - center bearing	1
19	28- 1640	BOLT - piston (1 x 2-1/2" N.F. hex.)	1
20	G 32303	WASHER - piston bolt (1-7/64 x 1-7/8 x 9/64")	1
21	219- 1	FITTING - grease (1/8" P.T., str.)	1
	G 32289	SEAL KIT - cylinder repair (Incl. all Items w/*)	1

**G32141 LOADER HYDRA-LEVELING CYLINDER
WITHOUT GLAND IDENTIFICATION RING
USED PRIOR TO LOADER SER. NO. 9108050**

30	G 32141	CYLINDER ASSY. - Hydra-Leveling	2
31	D 35129	TUBE ASSY. - cylinder body	1
32	30613	BUSHING - tube	2
	G 32735	GLAND ASSY.	1
34	NSS	GLAND - (w/out identification ring)(See Inset B)	1
35*	D 95143	WIPER - piston rod, outer (1-3/4 x 2-1/4 x 5/16")	1
36*	D 36970	SEAL - piston rod (1-3/4 x 2-1/4 x 13/32")	1
37*	D 27432	WIPER - piston rod, inner	1
38*	A 30095	"O" RING - gland (3 x 3-1/4 x 1/8")	1
39*	G 32122	RING - gland "O" ring back-up	1
40	187- 1031	SCREW - gland lock (#8-32 x 1/4" self-tapping)	1
41	D 35126	ROD ASSY. - piston (1-3/4" dia.)(w/o identification ring)	1
42	D 32865	BUSHING - piston rod	2
43	D 28897	PISTON - split (rod end)(w/o identification ring)	1
44	D 28896	PISTON - split (bolt end)	1
*	G 33151	PACKING ASSY. - piston	1
46	NSS	PACKING ASSY. - "V" type	2
47	NSS	RING - center bearing	1
48	28- 1640	BOLT - piston (1 x 2-1/2" N.F. hex.)	1
49	G 32303	WASHER - piston bolt (1-7/64 x 1-7/8 x 9/64")	1
50	219- 1	FITTING - grease (1/8" P.T., str.)	1
	G 32289	SEAL KIT - cylinder repair (Incl. all Items w/*)	1

**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

289

**G33599 AND G33603 LOADER LIFT CYLINDERS
3-1/2" DIA. CYLINDER WITH 31" STROKE
WITH GLAND IDENTIFICATION RING
1ST USED LOADER SER. NO. 9106778**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 33599	CYLINDER ASSY. - lift, right hand	1
1	G 33603	CYLINDER ASSY. - lift, left hand	1
2	D 35064	TUBE ASSY. - cyl. body, right hand	1
2	D 35063	TUBE ASSY. - cyl. body, left hand	1
3	D 35071	BUSHING - tube	2
	G 33191	GLAND ASSY. - w/bushing (See Inset)	1
5	NSS	GLAND - (w/identification ring)	1
6*	D 95144	WIPER - piston rod, outer (2 x 2-1/2 x 5/16")	1
7*	D 36971	SEAL - piston rod (2 x 2-1/2 x 13/32")	1
8*	G 15457	"O" RING - gland (3-1/2 x 3-3/4 x 1/8")	1
9*	G 32126	RING - gland "O" ring back-up	1
10	187- 1031	SCREW - gland lock (#8-32 x 1/4" self-tapping)	1
11	G 33600	ROD ASSY. - piston (used w/G33599 R.H. cyl.) (2" dia.)(w/identification ring)	1
11	G 33604	ROD ASSY. - piston (used w/G33603 L.H. cyl.) (2" dia.)(w/identification ring)	1
12	D 33047	BUSHING - piston rod	2
13	G 33167	PISTON - split (rod end)(w/identification ring)	1
14	D 28367	PISTON - split (bolt end)	1
*	G 33237	PACKING ASSY. - piston	1
16	NSS	PACKING ASSY. - "V" type	2
17	NSS	RING - center bearing	1
18	28- 1640	BOLT - piston (1 x 2-1/2" N.F. hex.)	1
19	G 32303	WASHER - piston bolt (1-7/64 x 1-7/8 x 9/64")	1
20	219- 1	FITTING - grease (1/8" P.T., str.)	1
	G 33638	SEAL KIT - cylinder repair (incl. all items w/*)	1

**MODEL 680CK LOADER AND BACKHOE
SERIES C**

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**G101226 AND G101227 LOADER CLAM CYLINDER
3" DIA. CYLINDER WITH 10-1/2" STROKE
WITH ONE PIECE PISTON**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 101226	CYLINDER ASSEMBLY - clam, R.H.	1
1	G 101227	CYLINDER ASSEMBLY - clam, L.H.	1
2	D 46911	TUBE ASSEMBLY - R.H. cylinder	1
2	D 46910	TUBE ASSEMBLY - L.H. cylinder	1
3	30634	BUSHING - tube	2
4		RESERVED	
	G 34328	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder	1
6	NSS	RING - retaining	1
7	*D 95142	WIPER - piston rod	1
8	*G 34302	BEARING - center	1
9	*D 36969**	SEAL - piston rod	1
10	*A 30095	O-RING - gland	1
11	G 32122	RING - backup	1
12	187- 1031	SCREW - self tapping, # 8 - 32 NC x 1/4"	1
13	G 33467	ROD ASSEMBLY - piston, 1-1/2" (38 mm) O.D.	1
14	30634	BUSHING - piston rod	2
15	G 100442	PISTON - cylinder	1
16	*G 102288	SEAL - piston	1
17	*G 100444	RING - backup	1
18	*G 100449	RING - wear	2
19	28- 1240	HHCS - 3/4" - 16 NF x 2-1/2" , grade 8	1
20	G 32317	WASHER - hardened	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	2
	*G 102404	KIT - seal, includes all items with an asterisk	1
	**G 100776	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: Look for cylinder assembly part number to be stamped on cylinder-gland or tube .

**MODEL 680CK LOADER AND BACKHOE
SERIES C**

309

**G33628 AND G33629 BACKHOE SWING CYLINDERS
4-1/2" DIA. CYLINDER WITH 11-3/8" STROKE
GLAND WITH INNER BUSHING**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 33628	CYLINDER ASSEMBLY - swing R.H.	1
1	G 33629	CYLINDER ASSEMBLY - swing, L.H.	1
2	G 32882	TUBE ASSEMBLY - cylinder, R.H.	1
2	G 32883	TUBE ASSEMBLY - cylinder, L.H.	1
3	D 44543	BUSHING - tube	2
4	G 33641	GLAND ASSEMBLY - cylinder	1
5	*D 95144	WIPER - piston rod, outer	1
6	*D 36971**	SEAL - piston rod	1
7	*A 23316	O-RING - gland	1
8	*G 32284	RING - backup	1
9	187- 1031	SCREW - self tapping #8 - 32 x 1/4"	1
10	G 33630	ROD ASSEMBLY - piston, 2" (51 mm) O.D.	1
11	D 31140	BUSHING - piston rod	2
12	G 33634	PISTON - split, rod end	1
13	D 46931	PISTON - split, bolt end	1
14	*D 47205	PACKING ASSEMBLY - piston, "V" type	2
15	D 47210	RING - center bearing	1
16	D 44557	BOLT - piston	1
17	G 32351	WASHER - hardened	1
18	D 46171	PIN - cushion	1
19	D 46155	SPACER - cushion pin	1
20	D 44554	SPRING - cushion,	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
	*G 32885	SEAL KIT - cylinder repair includes all items with an asterisk	1
	**G 100778	SEAL - piston rod, service option - extreme heat or cold	1

NOTE: See page 307 for cylinder with center bearing.

**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

319

**G32692 BACKHOE BOOM CYLINDER
5" DIA. CYLINDER WITH 39-3/16" STROKE
WITH 2 PIECE GLAND SEAL**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 32692	CYLINDER ASSY. - boom	1
2	D 45314	TUBE ASSY. - cylinder	1
3	D 38943	BUSHING - tube	2
	G 32802	GLAND ASSY. - w/bushing	1
4	NSS	GLAND	1
5*	D 95145	WIPER - piston rod, outer (2-1/4 x 2-3/4 x 5/16") . . .	1
6*	D 39359	SEAL - piston rod (2-1/4 x 2-3/4 x 13/32")	1
7*	G 10347	"O" RING - gland (5 x 5-1/4 x 1/8")	1
8*	G 32105	RING - gland "O" ring back-up	1
9	187- 1031	SCREW - gland lock (#8-32 x 1/4" self-tapping)	1
10	D 44581	ROD ASSY. - piston (2-1/4" dia.)	1
11	D 38943	BUSHING - rod	2
12	D 46426	PISTON - split (rod end)	1
13	D 46932	PISTON - split (bolt end)	1
14*	D 47206	PACKING ASSY. - piston ("V" type)	2
15	D 47211	RING - center bearing	1
16	G 33243	BOLT ASSY. - piston retaining & cushion	1
17	G 32351	WASHER - bolt (1-11/32 x 2-1/2 x 9/64")	1
18	219- 1	FITTING - grease (1/8" P.T. str.)	2
	G 32696	SEAL KIT - cylinder repair (incl. all items w/*)	1

**MODEL 680CK LOADER AND BACKHOE
SERIES C**

329

**G34323 BACKHOE DIPPER CYLINDER
4-1/2" DIA. CYLINDER WITH 40-1/8" STROKE
GLAND WITH CENTER BEARING**

REF.	PART NO.	DESCRIPTION	REQ'D
	G 34323	CYLINDER ASSEMBLY - dipper, stamped G34323 on gland	1
2	G 34256	TUBE ASSEMBLY - cylinder	1
3	D 38943	BUSHING - tube	2
	G 34329	GLAND ASSEMBLY - cylinder	1
5	NSS	GLAND - cylinder.....	1
6	NSS	RING - center bearing	1
7	*D 95146	WIPER - piston rod, outer	1
8	*G 34307	BEARING - piston rod, center	1
9	*D 45571**	SEAL - piston rod	1
10	*A 23316	O-RING - gland	1
11	*G 32284	RING - backup	1
12	187- 1031	SCREW - self tapping, #8 - 32 x 1/4"	1
13	G 34324	ROD ASSEMBLY - piston, 2-1/2" (64 mm) O.D.	1
14	D 38943	BUSHING - piston rod	2
15	D 49163	PISTON - split, rod end	1
16	D 46931	PISTON - split, bolt end	1
17	*D 47205	PACKING ASSEMBLY - piston, "V" type	2
18	D 47210	RING - center bearing	1
19	28- 2044	HHCS - 1/4" - 12 NF x 2", grade 8	1
20	G 32351	WASHER - hardened	1
21	219- 1	FITTING - grease, straight, 1/8" NPT	1
22	219- 55	FITTING - grease, 90°, 1/8" NPT	1
	*G 34333	SEAL KIT - includes all items with an asterisk	1
	**G 100780	SEAL - piston rod, service option - extreme heat or cold.	1

NOTE: see page 331 for cylinder without center bearing.

**MODEL 680CK LOADER AND BACKHOE
SERIES C**

339

**G33739 3-PT. HITCH PITCH CYLINDER
2-1/2" DIA. CYLINDER WITH 6" STROKE
INNER ROD WIPER NOT USED**

REF.	PART NO.	DESCRIPTION	REQ'D
1	G 33739	CYLINDER ASSEMBLY - pitch	1
2	G 32375	TUBE ASSEMBLY - cylinder	1
3	G 32379	BUSHING - cylinder tube	1
	G 33487	GLAND ASSEMBLY	1
4	NSS	GLAND - cylinder	1
5	*D 95142	WIPER - piston rod, outer	1
6	*D 36969*	SEAL - piston rod	1
7	*D 27706	WIPER - piston rod, inner, not used, not shown	1
8	*A 28318	O-RING - gland	1
9	*G 32129	RING - backup	1
10	187- 1031	SCREW - self tapping, #8 - 32 NC x 1/4"	1
11	G 33740	ROD ASSEMBLY - piston, 1-1/2" (38 mm) O.D.	1
12	G 32379	BUSHING - piston rod	1
13	D 28363	PISTON - split, rod end	1
14	D 28364	PISTON - split, bolt end	1
	*G 33193	PACKING ASSEMBLY - piston	1
16	NSS	PACKING ASSEMBLY - "V" type	2
17	NSS	RING - center bearing	1
18	28- 1240	HHCS - 3/4" - 16 NC x 2-1/2", grade 8	1
19	G 32317	WASHER - hardened	1
	*G 32294	SEAL KIT - includes all items with an asterisk	1
	**G 100776	SEAL - piston rod, service option - extreme heat or cold	1

**MODEL 680 CK LOADER AND BACKHOE
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**A23530 3-PT. HITCH LIFT CYLINDER
4" DIA. CYLINDER WITH 7" STROKE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 23530	CYLINDER ASSY. - lift	1
2	A 23533	TUBE - cylinder body	1
3	A 23534	PISTON - cylinder	1
4*	A 30895	"O" RING - piston (3-5/8 x 4 x 3/16")	1
5*	A 23535	RING - piston "O" ring back-up	2
6	A 23540	ROD - piston (1-1/8" dia.)	1
7*	131- 369	NUT - piston to rod (7/8" N.C. hex.)	1
8	A 11248	GLAND - cylinder	1
9*	A 23537	SEAL - oil, piston rod, outer (1-1/8 x 1-7/8 x 1/4")	1
10*	A 11251	RING - quad, piston rod seal, inner (1-1/8 x 1-3/8 x 1/8")	1
11*	A 23536	"O" RING - gland (3-3/4 x 4 x 1/8")	1
12*	A 30896	RING - gland stop	1
13	A 11249	PLATE - gland retaining	1
14	13- 512	BOLT - plate to gland (5/16 x 3/4" N.C. hex.)	4
15	92- 5	WASHER - 5/16" lock	4
	A 24417	PACKING KIT - cylinder repair (Incl. all items w/*)	1

**LOADER CONTROL VALVE
TILT SPOOLS**

REF.	PART NO.	DESCRIPTION	REQ'D.
L	30954	SPOOL ASSEMBLY - tilt (Color code - black or letter code - W) .73700" to .73709"	1
L	30640	SPOOL ASSEMBLY - tilt (Color code - blue or letter code - X) .73710" to .73719"	1
L	30955	SPOOL ASSEMBLY - tilt (Color code - yellow or letter code - Y) .73720" to .73729"	1
L	30956	SPOOL ASSEMBLY - tilt (Color code - green or letter code - Z) .73730" to .73740"	1
1	L 30744	GLAND AND WIPER - spool	1
2	A 14535	RETAINER - seal	2
3	R 17547	SEAL - "O"ring, spool	2
	L 30984	SPOOL KIT - L30954 spool assembly only	1
	L 30985	SPOOL KIT - L30640 spool assembly only	1
	L 30986	SPOOL KIT - L30955 spool assembly only	1
	L 30987	SPOOL KIT - L30956 spool assembly only	1
4	NSS	SPOOL ASSEMBLY - tilt	1
5	A 14534	SPRING - centering	1
6	138- 2012	PIN - link to spool and detent barrel	2
7	D 33858	LINK - spool to detent barrel	1
8	L 30642	DETENT BARREL - spool	1
9	L 30643	HOUSING - detent	1
10	L 30644	SEAL - "O"ring	1
11	211- 5	BALL - detent. 3/16" dia.	6
12	L 30645	RETAINER - detent balls	1
13	L 30760	HOLDER - detent cam	1
14	138- 2035	PIN - link to cam holder and solenoid plunger	2
15		RESERVED	
16	L 30646	SPRING - detent	1
17	D 33858	LINK - detent cam to solenoid plunger	1
18	L 30649	PLUNGER - solenoid	1
19	L 30650	NUT - special, lock	1
20	D 46040	HOUSING - solenoid	1
21	L 30759	GROMMET - solenoid housing	2
22	L 30652	COIL - solenoid	1
23	L 30653	STOP - solenoid plunger	1
24	T 13224	SEAL - "O"ring, plunger stop at housing	1
25	L 30654	SNAP RING - stop retaining	1
26	L 11778	TERMINAL - electrical, bullet type	2
27	L 11779	TUBING - insulation (if used)	2

BACKHOE CONTROL VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
L32692 END INLET SECTION			
	L 32692	INLET SECTION - backhoe control valve	1
1	NSS	HOUSING - inlet section	1
	D 40775	VALVE ASSEMBLY - check	1
2	D 40819	CARTRIDGE - check valve	1
3	D 40822	GASKET - cartridge	1-2
4	D 31413	SEAL - "O" ring	1
4A	D 40820	POPPET - check valve	1
4B	D 26826	SPRING - check valve	1
4C	D 40821	RETAINER - spring	1
4D	R 15512	RING - spirolox	1
5	D 32127	SEAL - "O" ring, 1-13/16" I.D. x 2" O.D.	1
6	D 26820	SEAL - "O" ring, 1-9/16" I.D. x 1-3/4" O.D.	3
7	221- 845	PLUG - pipe, hex. socket head (3/4" NPT)	1
D47621 CENTER INLET SECTION			
	D 47621	INLET SECTION - secondary, backhoe control valve	1
	D 40775	VALVE ASSEMBLY - check	1
8	D 40819	CARTRIDGE - check valve	1
9	D 40822	GASKET - cartridge	1
10	D 31413	SEAL - "O" ring	1
11	D 40820	POPPET - check valve	1
12	D 26826	SPRING - check valve	1
13	D 40821	RETAINER - spring	1
14	R 15512	RING - spirolox	1
15	NSS	HOUSING - inlet section, secondary	1
16	D 32127	SEAL - "O" ring, 1-13/16" I.D. x 2" O.D. (Standard 70 durometer)	1
16	L 46406	SEAL - "O" ring, 1-13/16" I.D. x 2" O.D. (Optional 90 durometer)	1
17	D 26820	SEAL - "O" ring, 1-9/16" I.D. x 1-3/4" O.D. (Standard 70 durometer)	3
17	L 46405	SEAL - "O" ring, 1-9/16" I.D. x 1-3/4" O.D. (Optional 90 durometer)	3
D47623 OUTLET SECTION			
	D 47623	OUTLET SECTION - backhoe control valve	1
	D 32126	CARTRIDGE - relief	1
18	R 12507	NUT - lock, adjusting screw	1
19	R 21364	SCREW - spring adjusting	1
20	D 31413	SEAL - "O" ring	2
21	D 32476	SPRING - compression	1
22	R 16125	PLUNGER - displacement	1
23	R 12509	RING - backup	1
24	A 27891	SEAL - "O" ring	1
25	R 12510	SEAT - floating	1
26	R 16123	SNUBBER - check valve	1
27	D 39700	SHELL ASSEMBLY - cartridge	1
28	D 40822	WASHER - gasket	1
29	NSS	HOUSING - outlet section	1
30	D 40827	SPOOL - regeneration, outlet section	1
31	D 36807	SPACER - spool	1
32	D 36600	SPRING - spool	1
33	D 40759	GASKET - cap	1
34	D 47666	CAP - outlet section	1
35	221- 845	PLUG - pipe, hex. socket head (3/4" NPT)	1

**BACKHOE CONTROL VALVE
D47624 AND L33847 BOOM SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 47624	BOOM SECTION - backhoe control valve (When stock is exhausted, order L33847 for service)	1
1	L 33847	BOOM SECTION - backhoe control valve	1
2	71- 512	FHMS - 5/16" - 18 NC x 3/4"	2
3	D 32221	CAP - boom section	1
4	D 32128	BOLT - stripper, special	1
5	D 32130	GUIDE - spring	2
6	L 33849	SPRING - centering	1
7	R 20556	PLATE - retaining	1
8	D 32215	RING - backup	1
9	D 29898	SEAL - quad ring	2
10	NSS	SPOOL - boom section	1
11	NSS	HOUSING - boom section	1
12	39007	CAP - check valve	1
13	A 27342	SEAL - "O"ring	1
14	R 15308	SPRING - check valve	1
15	D 45694	POPPET - check valve	1
	D 39454	CARTRIDGE - secondary relief, upper (Not preset) Must be set to correct pressure when installed on valve	1
16	129- 526	NUT - acorn (3/8" - 24 NF)	1
17	23150	GASKET - copper	2
18	25- 156	NUT - hex., iam (3/8" - 24 NF)	1
19	D 38814	SCREW - set, special	1
20	NSS	BODY - cartridge	1
21	D 26872	SEAL - "O"ring, 1/2" I.D. x 5/8" O.D.	1
22	D 31450	WASHER - gasket	1
23	D 40778	SPRING - relief valve	1
	D 40189	KIT - seat and poppet	1
24	NSS	POPPET - relief valve	1
25	NSS	SEAT - relief valve	1
26	D 31411	SEAL - "O"ring, 1/4" I.D. x 3/8" O.D.	1
	D 42866	CARTRIDGE - secondary relief, lower (Not preset) Must be set to correct pressure when installed on valve	1
27	129- 526	NUT - acorn (3/8" - 24 NF)	1
28	23150	GASKET - copper	2
29	25- 156	NUT - hex., iam (3/8" - 24 NF)	1
30	D 38814	SCREW - set, special	1
31	NSS	BODY - cartridge	1
32	D 26872	SEAL - "O"ring, 1/2" I.D. x 5/8" O.D.	1
33	D 31450	WASHER - gasket	1
	D 42865	KIT - seat and poppet	1
34	NSS	SPRING - relief valve	1
35	NSS	POPPET - relief valve	1
36	NSS	SEAT - relief valve	1
37	D 31411	SEAL - "O"ring, 1/4" I.D. x 3/8" O.D.	1
38	D 32127	SEAL - "O" ring, 1-13/16" I.D. x 2" O.D. (Standard 70 durometer)	1
38	L 46406	SEAL - "O" ring, 1-13/16" I.D. x 2" O.D. (Optional 90 durometer)	1
39	D 26820	SEAL - "O" ring, 1-9/16" I.D. x 1-3/4" O.D. (Standard 70 durometer)	3
39	L 46405	SEAL - "O" ring, 1-9/16" I.D. x 1-3/4" O.D. (Optional 90 durometer)	3

**MODEL 680 CK LOADER AND BACKHOE
SERIES C**

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SLOW MOVING VEHICLE EMBLEM

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A 59450	EMBLEM AND BRACKET ASSEMBLY - slow moving vehicle	1
2	182- 515	SCREW - mach., pan head (5/16" - 18 NC x 5/8") Zinc plated	2
3	A 60977	SOCKET - slow moving vehicle emblem	1
4	192- 20	WASHER - med. sect. lock (5/16") Zinc plated	2
5	129- 102	NUT - hex. (5/16" - 18 NC) Zinc plated	2
6	111- 418	BOLT - round head square neck (7/16" - 14 NC x 3/4") Zinc plated	1
7	L 47091	CLAMP ASSY. - socket mounting, emblem	1
8	192- 22	WASHER - med. sect. lock (7/16") Zinc plated	1
9	129- 104	NUT - hex. (7/16" - 14 NC)	1
10	113- 208	HHCS - 3/8" - 16 NC x 1-1/4" (Zinc plated)	2
11	L 47088	CLAMP - emblem to cylinder mounting	1
12	192- 21	WASHER - med. sect. lock (3/8") Zinc plated	2
13	129- 103	NUT - hex. (3/8" - 16 NC) Zinc plated	2

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