

# 350B Crawler

## Parts Catalog

A1386

Reprinted

**CASE**

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AIR CLEANER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	*R 39391	AIR CLEANER ASSEMBLY - used on all models .....	1
1	NSS	BODY - air cleaner .....	1
2	D 82775	ELEMENT - secondary, inner .....	1
3	S 236468	ELEMENT - primary, outer .....	1
4	D 78354	WING NUT - element .....	2
5	G 45712	CLAMP ASSEMBLY - air cleaner .....	1
6	S 113981	CAP - air cleaner .....	1
7	S 113982	DUST CUP - rubber .....	1

## CYLINDER HEAD AND COVER 188 DIESEL ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 36815	COVER - cylinder head	1
2	A 43030	GASKET - cover to cylinder head	1
3	A 9155	ELBOW - breather	1
4	A 39570	TUBE - breather hose	1
5	214- 253	CLAMP - breather hose, 9/16 to 1-1/16 inch (14 to 27 mm)	1
8	A 166029	HEAD ASSEMBLY - cylinder (Casting No. A155925)(With drilled push rod holes)(See Page 25 for water pump body)(Order A166029 for service)	1
8	A 153261	HEAD ASSEMBLY - cylinder (Casting No. A150384)(With cast push rod holes)(See Page 25 for water pump body)(Order A166029 for service)	1
9	41- 1016	PLUG - top, 1 inch cup type (25 mm)	3
10	41- 1028	PLUG - rear, 1-3/4 inch cup type (44 mm)	1
11	G 2069	GUIDE - exhaust valves	4
12	G 2068	GUIDE - intake valves	4
13	G 11986	INSERT - exhaust valve seat	1
14	A 140924	STUD - exhaust manifold clamps, 3/8 NC x 2-7/16 inch (Replaces A39129)	3
15	A 29431	STUD - exhaust manifold, end holes, 3/8 NC x 1-3/4 inch	2
16	A 140924	STUD - intake manifold, end holes, 3/8 NC x 2-7/16 inch	2
17	A 153248	STUD - intake manifold, intermediate holes, 3/8 NC x 4-13/16 inch	2
18	A 51500	STUD - intake manifold, center hole, 3/8 NC x 5-5/16 inch	1
19	REF	GASKET - cylinder head to block (See Page 45)	1
22	A 39047	BOLT - cylinder head, 12 point head, 1/2 NC x 3-1/2 inch	4
22	A 39048	BOLT - cylinder head, 12 point head, 1/2 NC x 5-1/8 inch	11
22	A 39049	BOLT - cylinder head, 12 point head, 1/2 NC x 5-5/8 inch	2
23	A 36902	STUD - cylinder head, 1/2 NC x 5-5/8 inch	2
24	A 51114	NUT - head studs, 1/2 NC and 3/8 inch NC	2
25	A 51271	STUD - cylinder head cover, 3/8 NC x 3-3/4 inch	2
26	A 39046	WASHER - cylinder head bolt	19
27	A 142098	GROMMET - cover (rubber)	2
28	195- 137	WASHER - cover nut, 13/32 x 1-1/8 x 3/16 inch (10 x 29 x 5 mm)	2
29	129- 103	NUT - hex, 3/8 inch NC	2
30	321- 5840	DECAL - engine data	1

**FLYWHEEL AND HOUSING  
188 DIESEL ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 38915	FLYWHEEL ASSEMBLY - crankshaft .....	1
2	G 11710	GEAR - ring, starter .....	1
3	121- 300	BOLT - flywheel to crankshaft, hex, 7/16 NF x 1-1/8 inch .....	4
4	A 30013	WASHER - flywheel bolt .....	4
8	A 154571	HOUSING - flywheel .....	1
9	138- 63	PIN - housing locating, roll, 1/8 x 1-1/4 inch .....	1
10	A 30135	BOLT - housing to engine, hex, 5/8 NF x 2-1/4 inch .....	2
11	A 29363	STUD - housing to engine, 5/8 NF x 2-1/4 inch .....	2
12	193- 85	WASHER - external Shakeproof, 5/8 inch .....	4
13	129- 127	NUT - hex, 5/8 inch NF .....	4

## THROTTLE CONTROL LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 49996	KNOB - hand throttle lever . . . . .	1
2	R 43204	LEVER AND SHAFT - hand throttle . . . . .	1
3	R 41776	BRACKET - hand throttle . . . . .	2
4	113- 279	BOLT - hex head, 3/8" - 16 NC x 3/4", plated . . . . .	4
5	92- 6	WASHER - lock, 3/8", left-hand bracket only . . . . .	2
6	25- 106	NUT - hex, 3/8" - 16 NC, left-hand bracket only . . . . .	2
7	131- 203	NUT - hex, self-locking, 3/8" - 16 NC, right-hand bracket with throttle lever stop . . . . .	2
8	R 14771	BELLEVILLE SPRING - throttle shaft . . . . .	1
9	25- 148	JAM NUT - hex, 1/2" - 13 NC . . . . .	2
10	R 15071	DISC - friction . . . . .	1
11	H 44198	CLEVIS - throttle rod, 5/16" - 24 NF . . . . .	1
12	141- 53	CLEVIS PIN - 5/16", plated . . . . .	1
13	132- 25	COTTER PIN - 3/32" x 5/8" . . . . .	1
14	R 41931	ROD - hand throttle . . . . .	1
15	25- 115	JAM NUT - hex, 5/16" - 24 NF . . . . .	3
16	A 19105	BALL JOINT - throttle rod, adjustable . . . . .	1
17	92- 5	WASHER - lock, 5/16" . . . . .	1
18	NSS	LEVER - pivot, part of hydraulic tank weldment . . . . .	1
19	D 26783	LINK - hand throttle . . . . .	1
20	132- 25	COTTER PIN - 3/32" x 5/8" . . . . .	2
21	R 42475	ROD - throttle . . . . .	1
22	25- 114	JAM NUT - hex, 1/4" - 28 NF . . . . .	2
23	A 10329	BALL JOINT - throttle, adjustable . . . . .	1
24	92- 4	WASHER - lock, 1/4" . . . . .	1
25	R 40681	PEDAL - foot throttle, no longer used, order D48465 pedal, D51753 rod, and two 136-157 cotter pins . . . . .	1
26	R 42476	ROD - use with item 25 pedal, uses two hair pins (item 29), if used . . . . .	1
27	D 48465	PEDAL - foot throttle, use with item 28 rod and four cotter pins . . . . .	1
28	D 51753	ROD - use with item 27 pedal, uses four hair pins (item 29), if used . . . . .	1
29	136- 157	HAIR PIN - foot throttle . . . . .	2-4
30	71044	SHAFT - pedal . . . . .	1
31	135- 737	GROOVE PIN - 5/32" x 1" . . . . .	1
32	13- 832	BOLT - hex, 1/2" - 13 NC x 2" . . . . .	1
33	25- 148	JAM NUT - hex, 1/2" - 13 NC . . . . .	1
34	R 36912	SPRING - throttle return . . . . .	1
35	13- 648	BOLT - hex head, 3/8" - 16 NC x 3" . . . . .	1
36	92- 6	WASHER - lock, 3/8" . . . . .	1
37	25- 106	NUT - hex, 3/8" - 16 NC . . . . .	2
38	R 42472	SHAFT - foot throttle . . . . .	1
39	R 29593	BEARING - pivot shaft . . . . .	2
40	13- 410	BOLT - hex head, 1/4" - 20 NC x 5/8" . . . . .	4
41	92- 4	WASHER - lock, 1/4" . . . . .	4
42	25- 104	NUT - hex, 1/4" - 20 NC . . . . .	4
43	213- 2	CLEVIS - pivot shaft, 1/4" - 28 NF . . . . .	1
44	141- 2	CLEVIS PIN - 1/4", plated . . . . .	1
45	132- 5	COTTER PIN - 1/16" x 1/2" . . . . .	1
46	25- 114	JAM NUT - hex, 1/4" - 28 NF . . . . .	1
47	R 44005	STOP - hand throttle lever . . . . .	1

## FUEL INJECTION PUMP

REF.	PART NO.	DESCRIPTION	REQ'D
1	A 154566	PUMP ASSEMBLY - fuel injection .....	1
2	A 44710	SHAFT ASSEMBLY - pump drive .....	1
3	R 14711	SEAL - pump shaft .....	2
4	192- 24	WASHER - lock, 9/16 inch .....	1
5	25- 119	NUT - hex, 9/16 inch NF .....	1
6	G 48502	SPRING - thrust bumper, 1-3/16 inch free length (30 mm) .....	1
7	A 44653	PLUNGER - thrust, pump drive shaft .....	1
8	74244	SEAL - pilot tube (o-ring) .....	1
9	73452	COVER - timing hole .....	1
10	73453	GASKET - timing hole cover .....	1
11	A 47591	SCREW - timing hole cover .....	2
14	G 45338	LEVER - throttle .....	1
15	G 48505	SPRING - throttle lever .....	1
16	G 49621	RETAINER - throttle lever spring .....	1
17	165- 124	SCREW - retainer .....	1
18	G 49088	SCREW - high idle adjustment No. 10-32 x 1-3/4 inch .....	1
19	73651	NUT - lock, high idle adjustment screw No. 10-32 hex .....	1
20	NSS	SCREW - low idle adjustment (Reference No. 73649) .....	1
21	73651	NUT - lock, low idle adjustment screw .....	1
22	A 47592	CONNECTOR - return line .....	1
23	A 47593	CONNECTOR - fuel lines .....	4
24	163- 7	SCREW - lock, fuel shut-off cable .....	1

REFERENCE NUMBERS IN DESCRIPTION ARE FOR **CARES** USE ONLY AND CAN NOT BE ORDERED SEPARATELY.

## ELECTRICAL SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D.
1	BHC 30	BATTERY - 12 volt, low maintenance, service replacement, dry . . . . .	1-2
2	A 60553	CAP - nonspill, if used, not used with low maintenance battery . . . . .	6-12
3	R 26374	BRACKET - battery retaining . . . . .	1-2
4	17- 4152	BOLT - hex head, 1/4" - 20 NC x 9-1/2" . . . . .	2-4
5	195- 18	WASHER - flat, 1/4" . . . . .	2-4
6	131- 2	NUT - hex, self-locking, 1/4" - 20 NC . . . . .	2-4
7	R 41635	CABLE - ground, negative, 57-1/2" (1360 mm) long, use with single battery . .	1
8	R 41634	CABLE - positive, battery to starter solenoid, 77-1/2" (1968 mm) long, use with single battery only . . . . .	1
9	R 42370	CONDUIT - positive cable, 70" (1778 mm) long . . . . .	1
10	R 41638	HARNESS - main wiring . . . . .	1
11	D 35078	GROMMET - rubber . . . . .	1
12	L 18337	TIE STRAP - cables and harness . . . . .	UAR
13	D 40471	CLAMP - cables and harness to engine frame . . . . .	1
14	13- 616	BOLT - hex head, 3/8" - 16 NC x 1" . . . . .	2
15	92- 6	WASHER - lock, 3/8" . . . . .	2
16	25- 106	NUT - hex, 3/8" - 16 NC . . . . .	2
17	49834	CLAMP - harness, at shuttle . . . . .	1
18	13- 712	BOLT - hex head, 7/16" - 14 NC x 3/4" . . . . .	1
19	95- 7	WASHER - flat, 7/16" . . . . .	1
20	92- 7	WASHER - lock, 7/16" . . . . .	1
21	49854	CLAMP - harness, at hydraulic tank . . . . .	1
22	L 18337	TIE STRAP - harness, at instrument panel . . . . .	2
22A	R 40777	CONDUIT - main wiring harness behind instrument panel, 8" (203 mm) long . .	1
23	F 43611	CLIP - adhesive-backed, wiring harness at engine, no longer used, replace with item 24 clamp and appropriate hardware . . . . .	1-2
24	49852	CLAMP - P-style, if located on engine frame uses 5/16" diameter hardware, if located on side of engine uses 1/4" diameter hardware . . . . .	1
25	13- 516	BOLT - hex head, 5/16" - 18 NC x 1", if used . . . . .	1
26	92- 5	WASHER - lock, 5/16", if used . . . . .	1
27	25- 105	NUT - hex, 5/16" - 18 NC . . . . .	1
27A	195- 18	WASHER - flat, 1/4", if used . . . . .	1
27B	92- 4	WASHER - lock, 1/4", if used . . . . .	1
27C	13- 410	BOLT - hex head, 1/4" - 20 NC X 5/8", if used . . . . .	1
28	49885	CLAMP - harness, behind alternator, uses engine hardware . . . . .	1

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**TACHOMETER AND WIRING  
MODELS WITH PTO**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	R 44042	PLATE - front floor, used on models with tachometer only	1
2	121- 428	BOLT - hex head, 1/2" - 13 NC X 1", Teflon coated	4
	R 29588	TACHOMETER ASSEMBLY - PTO	1
3	NSS	TACHOMETER - without bulb and wire	1
4	D 74522	BULB - no. 1889	1
5	D 74521	CONNECTOR ASSEMBLY - with wire to lamp switch	1
6	REF	SWITCH - lamp, see page 75	1
7	R 43249	WIRE - ground, tachometer	1
8	R 43248	WIRE - tachometer to oil pressure switch	1
9	D 28798	SWITCH - engine oil pressure	1
10	R 29617	HARNESS - tachometer	1
11	R 43250	CONDUIT - harness, 20" (508 mm) long	1
12	L 18337	TIE STRAP - harness, to battery cable along engine frame	1
13	49851	CLAMP - harness, to PTO cover	1
14	R 29627	GUARD - rubber	1
15	R 29589	SENSOR - tachometer	1
16	25- 1512	JAM NUT - hex, 3/4" - 16 NF	1

## TRANSMISSION STEERING AND BRAKE CONTROLS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	31400	GRIP - steering lever . . . . .	2
2	D 33558	LEVER - steering, right-hand . . . . .	1
3	D 33559	LEVER - steering, left-hand . . . . .	1
4	219- 14	GREASE FITTING - straight, 1/4" drive type . . . . .	2
5	13- 960	BOLT - hex head, 9/16" - 12 NC x 3-3/4" . . . . .	2
6	195- 37	WASHER - flat, 9/16" . . . . .	2
7	35504	BUSHING - steering lever . . . . .	2
8	92- 9	WASHER - lock, 9/16" . . . . .	2
9	33604	LOCK - parking brake . . . . .	2
10	13- 636	BOLT - hex head, 3/8" - 16 NC x 2-1/4" . . . . .	1
11	25- 106	NUT - hex, 3/8" - 16 NC . . . . .	2
12	D 48481	PEDAL - brake . . . . .	1
13	219- 1	GREASE FITTING - straight, 1/8" NPT . . . . .	1
14	13- 1064	BOLT - hex head, 5/8" - 11 NC x 4" . . . . .	1
15	92- 10	WASHER - lock, 5/8" . . . . .	1
16	T 53567	WASHER - flat, special . . . . .	1
17	11031	BUSHING - brake pedal . . . . .	2
18	D 49172	ROD - brake pedal . . . . .	1
19	213- 6	YOKE - brake pedal rod, 1/2" . . . . .	1
20	141- 56	CLEVIS PIN - 1/2" diameter X 1-3/8" long, plated . . . . .	1
21	132- 48	COTTER PIN - 1/8" x 1" . . . . .	1
22	R 33370	SPRING - return, brake pedal . . . . .	1
23	D 48480	SHAFT - brake linkage . . . . .	1
24	D 25269	BLOCK- support, brake shaft . . . . .	2
25	219- 40	GREASE FITTING - 65 degree, 1/8" NPT . . . . .	2
26	13- 816	BOLT - hex head, 1/2" - 13 NC x 1" . . . . .	4
27	92- 8	WASHER - lock, 1/2" . . . . .	4
28	213- 4	YOKE - brake shaft end, 3/8" . . . . .	2
29	141- 54	CLEVIS PIN - 3/8" diameter X 1-1/16" long, plated . . . . .	2
30	132- 25	COTTER PIN- 3/32" x 5/8" . . . . .	2
31	D 33562	LINK - brake shaft to steering lever . . . . .	2
32	25- 116	NUT - hex, 3/8" - 24 NF . . . . .	2
33	D 33561	LINK - steering lever to transmission . . . . .	2
34	141- 54	CLEVIS PIN - 3/8" diameter X 1-1/16" long . . . . .	4
35	195- 22	WASHER - flat, 3/8" . . . . .	4
36	132- 25	COTTER PIN - 3/32" x 5/8" . . . . .	4
37	11471	NUT - steering rod, special . . . . .	2

**POWER SHUTTLE  
PINION CAGE, OUTPUT SHAFT, AND VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	R 43949	POWER SHUTTLE ASSEMBLY - complete parts list pages 97-105	1
1	D 50055	THRUST WASHER - clutch hub	1
2	D 70665	PINION CAGE AND OUTPUT SHAFT ASSEMBLY - power shuttle	1
3	NSS	CAGE AND SHAFT - power shuttle	1
4	H 747964	NEEDLE BEARING - output shaft	1
	D 50030	KIT - inner pinion gear and shaft	3
5	NSS	PINION GEAR - inner	1
6	NSS	PINION SHAFT - inner	1
7	NSS	PIN - shaft retaining	1
8	NSS	SPACER - pinion bearing	3
9	NSS	ROLLER - pinion bearing	48
10	NSS	PLATE - thrust	2
	D 50031	KIT - outer pinion gear and shaft	3
11	NSS	PINION GEAR - outer	1
12	NSS	PINION SHAFT - outer	1
13	NSS	PIN - shaft retaining	1
14	NSS	SPACER - pinion bearing	3
15	NSS	ROLLER - pinion bearing	48
16	NSS	PLATE - thrust	2
17	D 50087	RING - collector, includes instruction sheet	1
18	D 50056	BAFFLE - plate	1
19	D 50080	RING - seal	2
20	D 50057	SPACER - ball bearing	1
21	40011	BALL BEARING - output shaft	1
22	D 50058	GASKET - ball bearing retainer	1
23	D 50059	RETAINER - rear ball bearing	1
24	13- 718	BOLT - hex head, 7/16" - 14 NC x 1-1/8"	6
25	92- 7	WASHER - lock, 7/16"	6
26	D 50060	SEAL - oil, rear	1
27	D 65247	WASHER - output shaft	1
	345- 84	SEAL - 3 oz (88.7 ml) of sealer in tube, not shown, can be used between D65247 washer and end of shaft	1
28	131- 37	NUT - hex, self-locking, 3/4" - 16 NF	1
29	221- 849	PLUG - hex socket head, 1/8" NPT	2
30	221- 843	PLUG - hex socket head, 3/8" NPT	1
31	D 50062	BREATHER - shuttle	1

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**TRANSMISSION  
HOUSING AND CONTROLS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	REF	TRANSMISSION ASSEMBLY - no longer available, order parts as needed from pages 109 through 119	1
* D	38919	KIT - housing assembly, used before Clark transmission model no. S70TS-48, no longer available, replace with all parts listed under N7937 kit listed below	1
1	NSS	HOUSING - used before Clark transmission model no. S70TS-48	1
2	11451	RETAINING RING - pinion shaft bearing, rear, not shown, see item 32 on page 115	1
3	221- 674	PLUG - drain, magnetic, square head, 1/2" NPT	2
4	221- 16	PLUG - fill, top left-hand side, square head, not used on Clark transmission model no. S70TS-48 and after	1
4A	221- 14	PLUG - square head, 1/2" NPT, left-hand side, not shown, remove to install filler tube assembly, items 53-58	1
5	D 29626	THRUST WASHER - models with reverse idler only, if used, not shown, see item 39 on page 115	2
6	D 37370	CUP - tapered roller bearing, front, pinion shaft, not shown, see item 23 on page 113	1
7	A 31272	TAPERED ROLLER BEARING - front, pinion shaft, not shown, see item 22 on page 113	1
8	D 37368	CAP - bearing, pinion shaft, not shown, see item 18 on page 113	1
9	D 37369	GASKET - bearing cap, not shown, see item 19 on page 113	1
10	D 58177	BOLT AND LOCK WASHER - bearing cap, not shown, see item 20 on page 113	3
* N	7937	KIT - housing assembly, used on Clark transmission model no. S70TS-48 and after, if used, kit not available, order individual parts as listed (also see the note at the bottom of page 115)	1
11	N 8350	HOUSING - used on Clark transmission model no. S70TS-48 and after	1
12	221- 674	PLUG - drain, magnetic, square head, 1/2" NPT	2
13	221- 14	PLUG - square head, 1/2" NPT, left-hand side, not shown, remove to install filler tube assembly, items 53-58 on page 111	1
14	D 29626	THRUST WASHER - models with reverse idler only, if used, not shown, see item 39 on page 115	2
15	O 4056TS	CUP - tapered roller bearing, front, pinion shaft, not shown, see item 23A on page 113	1
16	A 31272	TAPERED ROLLER BEARING - front, pinion shaft, not shown, see item 22 on page 113	1
17	D 37368	CAP - bearing, pinion shaft, not shown, see item 18 on page 113	1
18	D 37369	GASKET - bearing cap, not shown, see item 19 on page 113	1
19	D 58177	BOLT AND LOCK WASHER - bearing cap, not shown, see item 20 on page 113	3

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**\*NOTE:** See the note at the bottom of page 115 when replacing D38919 housing assembly (used before Clark transmission model no. S70TS-48) with the parts in N7937 kit (used on Clark transmission model no. S70TS-48 and after).

## TRANSMISSION DIFFERENTIAL AND BRAKES

REF.	PART NO.	DESCRIPTION	REQ'D.
	D 20533	DIFFERENTIAL AND BRAKE DRUM ASSEMBLY - complete	1
1	A 29062	CUP - tapered roller bearing, carrier	2
2	40465	TAPERED ROLLER BEARING - differential carrier	2
3	D 20425	DRUM, GEAR AND BUSHING ASSEMBLY - brake	2
4	14935	DRUM - brake	1
5	D 20426	GEAR ASSEMBLY - brake drum	1
6	11288	BUSHING - gear	1
7	14934	RIVET - brake drum	10
8	11412	HOUSING - differential, right-hand	1
9	N 13046	HOUSING - differential, left-hand	1
10	11414	BUSHING - differential shaft	6
11	11415	BUSHING - sun gear	1
12	D 20422	SHAFT - differential	6
13	126- 16	WOODRUFF KEY - No. 9	6
14	D 20421	GEAR - planetary	6
15	11455	SNAP RING - planetary gear	6
16	11424	BOLT - special, differential housings to center carrier	12
16A	391- 701	LOCK WIRE - housing bolts, 18 gauge x 6", not shown	6
17	11421	BOLT - special, left-hand differential housing to ring gear	12
17A	391- 712	LOCK WIRE - differential bolts, 18 gauge x 26", not shown	1
18	R 25584	PINION SHAFT AND RING GEAR - differential, matched set	1
19	D 20423	GEAR - sun	2
20	D 30698	CARRIER - differential, center	1
21	11422	DOWEL PIN - differential housings to center carrier	6
22	11425	CARRIER - bearing, differential	2
23	13- 820	BOLT - hex head, 1/2" - 13 NC x 1-1/4"	8
24	92- 8	WASHER - lock, 1/2"	8
25	11427	SHIM - .004" (0.1 mm) thick	UAR
26	11426	SHIM - .010" (0.25 mm) thick	UAR
27	D 49930	OIL SEAL - differential	2

Continued on next page

**IDLER**

REF. PART NO. DESCRIPTION REQ'D.

**IDLER ASSEMBLY - WITHOUT FACE SEAL**

	R	41455	IDLER ASSEMBLY - without face seal, no longer available, order R43724 idler assembly, see below .....	2
1	R	41436	HUB - idler .....	1
2	221-	841	PLUG - hex socket head, 1/4" NPT .....	1
3	D	51281	SHAFT - idler .....	1
4	D	46396	BUSHING - split .....	2
5	D	35266	THRUST WASHER - idler .....	2
6	R	36330	OIL SEAL - idler .....	2
7	R	33866	SPACER - shaft support .....	2
8	H	49254	WASHER - hardened, 3/4" .....	4
9	13-	1220	BOLT - hex head, 3/4" - 10 NC x 1-1/4", use with Loctite 271 (high strength) .....	4

**IDLER ASSEMBLY - WITH FACE SEAL**

	R	43724	IDLER ASSEMBLY - with face seal .....	2
10		NSS	HUB - idler .....	1
11	221-	841	PLUG - hex socket head, 1/4" NPT .....	1
12	D	51281	SHAFT - idler .....	1
13	D	35266	THRUST WASHER - idler .....	2
14	D	46396	BUSHING - split .....	2
15	R	39273	FACE SEAL - idler .....	2
16		NSS	BODY - seal, split .....	1
	D	36826	KIT - face seal repair .....	1
17		NSS	SEAL - rubber .....	2
18		NSS	RETAINER - plastic .....	1
19	D	35265	BUSHING - shaft .....	2
20	13-	1220	BOLT - hex head, 3/4" - 10 NC x 1-1/4", use with Loctite 271 (high strength) .....	4
21	H	49254	WASHER - hardened, 3/4" .....	4

**TRACK CHAIN - STANDARD**

REF.	PART NO.	DESCRIPTION	REQ'D.
	R 41051	CHAIN ASSEMBLY - 33 unit, standard, one per each side of tractor	2
1	R 41050	LINK - track chain, right-hand	33
2	R 41049	LINK - track chain, left-hand	33
3	D 48669	BUSHING - track	33
4	32831	PIN - track, standard	32
5	D 41582	PIN - track, master	1
6	D 48668	BELLEVILLE SPRING - pin	132
7	D 41490	BOLT - hex head, special, 7/16" - 20 NF	264
8	D 29712	NUT - hex, special, 7/16" - 20 NF	264

**PIN AND BUSHING KIT**

	D 48934	KIT - pin and bushing, sealed track	1
9	D 48669	BUSHING - track	66
10	D 48668	BELLEVILLE SPRING, pin	264
11	32836	PIN - track, service, .003" (.0762 mm) oversize	62
12	D 43542	PIN - track, master, .003" (.0762 mm) oversize	4

**MASTER CHAIN UNIT KIT**

	R 43396	KIT - master chain unit, sealed chain	1
13	32836	PIN - track, service, .003" (.0762 mm) oversize	1
14	D 41582	PIN - track, master	1
15	D 48668	BELLEVILLE SPRING - pin	8
16	R 41050	LINK - track chain, right-hand	1
17	R 41049	LINK - track chain, left-hand	1
18	D 48669	BUSHING - track	1

**EQUIPMENT HYDRAULIC CIRCUIT  
CONTROL VALVE TO RESERVOIR  
MODELS WITH MARVEL FILTER - BEFORE TRACTOR SN 3073926**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	CONTROL VALVE - equipment, for correct assembly and components see pages 207-215	1
2	D 28890	CONNECTOR - straight	1
2A	218- 5008	O-RING - connector	1
3	218- 5234	ELBOW - 90 degree, adjustable	1
4	R 46137	HOSE - return, 3/4" ID x 30" (762 mm) long	1
5	D 40471	CLAMP - hose	1
6	13- 620	BOLT - hex head, 3/8" - 16 NC x 1-1/4"	1
7	92- 6	WASHER - lock, 3/8"	1
8	25- 106	NUT - hex, 3/8" - 16 NC	1
9	R 47467	TUBE - to filter	1
10	D 42833	CLAMP - tube	1
11	13- 732	BOLT - hex head, 7/16" - 14 NC x 2"	1
12	95- 7	WASHER - flat, 7/16"	1
13	131- 51	NUT - hex, self-locking, 7/16" - 14 NC, plated	1
14	R 43483	ELBOW - 90 degree	1
15	221- 11	PLUG - square head, 1/8" NPT	1
16	D 43567	FILTER - oil, Marvel, with separate inner element, parts list page 157	1
17	221- 416	ELBOW - 90 degree, street	1
18	R 41768	COVER - hydraulic reservoir	1
19	D 50547	GASKET - hydraulic reservoir	1
20	D 50550	BOLT - hex head, self-locking, 3/8" - 16 NC	6
21	R 15538	VALVE - air inlet	1
22	R 15536	VALVE - relief	1
23	221- 269	NIPPLE - 1-1/4" NPT X 5-1/2" long, used on models with threaded filler cap, if used	1
24	221- 528	CAP - filler, threaded, used with item 23 only, if used	1
25	R 44356	CAP - filler, used on models with welded hydraulic reservoir filler neck, if used	1
26	R 44357	TUBE - filler neck, welded, if used	1

## EQUIPMENT OIL FILTER

REF.	PART NO.	DESCRIPTION	REQ'D.
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**D43567 MARVEL OIL FILTER**

	D	43567	FILTER ASSEMBLY - hydraulic oil, Marvel, if used .....	1
1	D	61903	HEAD - filter .....	1
2	D	58199	BYPASS VALVE - filter .....	1
	D	43800	KIT - filter .....	1
3		NSS	ELEMENT - filter .....	1
4	A	27994	O-RING - filter head .....	1
5	D	61948	HOUSING - filter .....	1

**R50518 DONALDSON OIL FILTER**

	R	50518	FILTER ASSEMBLY - hydraulic oil, Donaldson, if used .....	1
6		NSS	HEAD - filter .....	1
7		NSS	BYPASS VALVE - filter .....	1
	N	9025	ELEMENT ASSEMBLY - filter .....	1
8		NSS	ELEMENT - filter .....	1
9	N	9026	O-RING - element to head .....	1

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## DOZER LIFT HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	REF	CONTROL VALVE - for correct assembly and components see pages 213 and 215	1
1	218- 5062	ADAPTER - male, straight	2
2	218- 5007	O-RING - adapter	1
3	R 24657	TUBE - upper, at control valve	1
4	R 24655	TUBE - lower, at control valve	1
5	R 24667	TUBE - upper, crossover	1
6	R 24669	TUBE - lower, crossover	1
7	R 17319	CLAMP - tube	2
8	13- 520	BOLT - hex head, 5/16" - 18 NC x 1-1/4"	2
9	92- 5	WASHER - lock, 5/16"	2
10	D 76209	SPACER - tube	2
11	R 24665	TUBE - right-hand, upper	1
12	R 24659	TUBE - right-hand, lower	1
13	R 24663	TUBE - left-hand, upper	1
14	R 24661	TUBE - left-hand, lower	1
15	R 17319	CLAMP - tube	2
16	13- 520	BOLT - hex head, 5/16" - 18 NC x 1-1/4"	2
17	92- 5	WASHER - lock, 5/16"	2
18	D 76209	SPACER - tube	2
19	R 24648	BRACKET - tube and hose mounting, weld to cowl	2
20	218- 1251	NUT - hex, bulkhead, 7/8" - 14 NC	4
21	D 49345	WASHER - flat, 7/8"	4
22	19178	HOSE - to cylinder, 1/2" ID x 33-1/2" (851 mm) long	4
23	D 34747	TUBE - to closed end of cylinder	2
24	R 19576	ELBOW - 90 degree, right-hand cylinder only, closed end	1
25	218- 5007	O-RING - elbow	1
26	221- 1849	PLUG - hex socket head, 1/8" NPT	1
27	D 36138	TUBE - to rod end of cylinder	2
28	218- 5107	ELBOW - 90 degree, male	3
29	218- 5007	O-RING - elbow	1
30	D 38648	INSULATOR - rubber, tubes	4
31	214- 264	CLAMP - tube	4
32	G 101229	CYLINDER - dozer lift, parts list page 237	2

### THREE POINT HITCH HYDRAULIC CIRCUIT WITHOUT DIVERSION VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	CONTROL VALVE - for correct assembly and components see pages 209-215	1
2	218- 5157	PLUG - hex head, top port of outer right-hand spool on 3 and 4 spool control valves, all ports except lower left-hand port on 2 spool control valves on drawbar models only	1-3
3	218- 5007	O-RING - plug	1
4	218- 5247	TEE - adjustable, return line to control valve return port	1
5	218- 5007	O-RING - tee	1
6	D 23143	ELBOW - 90 degree, lower port of outer (right-hand) spool on 3 and 4 spool control valves, lower port of inner (left-hand) spool on 2 spool control valves on drawbar models	1
7	218- 5007	O-RING - elbow	1
8	R 24291	HOSE - control valve to cylinder, both ends, 1/2" ID x 57" (1448 mm) long	2
9	D 33316	CLAMP - hoses	3
10	D 33829	SPACER - clamp	2
11	13- 532	BOLT - hex head, 5/16" - 18 NC x 2"	2
12	195- 21	WASHER - flat, 5/16"	2
13	131- 4	NUT - hex, self-locking, 5/16" - 18 NC	2
14	218- 485	ELBOW - 90 degree	2
15	A 11231	CYLINDER - three point hitch, parts list page 245	1

D34424 DIVERSION VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 34424	VALVE ASSEMBLY - diversion .....	1
2	NSS	HOUSING - valve .....	1
3	NSS	SPOOL - valve .....	1
4	D 23691	SEAL - square section, spool .....	2
5	D 23692	SNAP RING - spool .....	2
6	D 34457	KNOB - control .....	1
7	192- 21	WASHER - lock, 3/8", plated .....	1

**EQUIPMENT CONTROL VALVE AND LEVERS  
THREE CONTROL LEVERS-FOUR SPOOL VALVE  
LOADER MODELS ONLY**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	CONTROL VALVE - four spool, loader models, for correct assembly and components see page 211	1
2	R 42417	BRACKET - mounting	1
3	A 13583	BUSHING - outer, bracket	2
4	L 10818	BUSHING - inner, bracket	2
5	R 42366	SUPPORT - mounting bracket	1
6	13- 612	BOLT - hex head, 3/8" - 16 NC x 3/4"	2
7	13- 668	BOLT - hex head, 3/8" - 16 NC x 4-1/4"	4
8	92- 6	WASHER - lock, 3/8"	6
9	25- 106	NUT - hex, 3/8" - 16 NC	6
10	D 34898	SHAFT - rear, control levers	1
11	138- 100	ROLL PIN - 3/16" x 1-1/2"	1
12	D 33254	CONTROL LEVER - rear, outer	1
13	D 46077	LINK - rear control levers, straight, no longer used, replace with items 14A and 14B	4
14	141- 53	CLEVIS PIN - 5/16", plated, used with item 13 links only, if used	4
14A	R 49010	LINK - rear control levers, bent	2
14B	195- 521	WASHER - flat, 5/16", plated, use with item 14A link	4
15	132- 331	COTTER PIN - 3/32" x 5/8", plated, use with either straight or bent links	4
16	D 46080	SPACER - control lever shaft	1
17	A 26411	WASHER - flat, spacer	2
18	R 42369	CONTROL LEVER - rear, inner	1
19	D 43453	LINK - inner, bellcrank to control valve	2
20	D 46075	LINK - actuating lever to control valve	2
21	141- 53	CLEVIS PIN - 5/16", plated	4
22	132- 25	COTTER PIN - 3/32" x 5/8"	4
23	D 43454	LINK - at pivot lever	2
24	141- 53	CLEVIS PIN - 5/16", plated	2
25	132- 25	COTTER PIN - 3/32" x 5/8"	2
26	R 43118	LEVER - pivot	1
27	D 46074	PIN - pivot lever	1
28	138- 98	ROLL PIN - 3/16" x 1-1/4"	1
29	A 26411	WASHER - flat, spacer	1
30	131- 1232	NUT - hex, self-locking, 3/8" - 24 NF, replaces lock washer and regular hex nut used in production on some models	2

Continued on next page

**TWO SPOOL CONTROL VALVES  
LOADER MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
<b>WITHOUT MAGNETIC DETENT</b>			
1	R 42408	CONTROL VALVE ASSEMBLY - loader, Parker No. VDSP22DF62	1
2	N 7982	SPOOL - three position, parts list page 221	1
3	N 6592	SPOOL - four position, parts list page 225	1
4	W 16129	VALVE - main relief, parts list page 217	1
5	NSS	VALVE - circuit relief and load check, parts list page 227	3
6	NSS	VALVE - load check, parts list page 229	1
7	218- 5212	PLUG - hex socket head, 1-1/16" - 12 NF	1
8	218- 5008	O-RING - plug	1
9	218- 5214	PLUG - hex socket head, 1-5/16" - 12 NF	1
10	218- 5010	O-RING - plug	1
<b>WITH MAGNETIC DETENT</b>			
11	R 42411	CONTROL VALVE ASSEMBLY - loader, Parker No. VDSP22DF61	1
12	N 6007	SPOOL - three position, parts list page 223	1
13	N 6592	SPOOL - four position, parts list page 225	1
14	W 16129	VALVE - main relief, parts list page 217	1
15	NSS	VALVE - circuit relief and load check, parts list page 227	3
16	NSS	VALVE - load check, parts list page 229	1
17	218- 5212	PLUG - hex socket head, 1-1/16" - 12 NF	1
18	218- 5008	O-RING - plug	1
19	218- 5214	PLUG - hex socket head, 1/5-16" - 12 NF	1
20	218- 5010	O-RING - plug	1

**W16129 MAIN RELIEF VALVE**  
**\* ALL MODELS EXCEPT DOZER MODELS WITH A BACKHOE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	W 16129	MAIN RELIEF VALVE ASSEMBLY - control valve .....	1
1	129- 514	DOM E NUT - 5/16" .....	1
2	D 26270	WASHER - special, 5/16" .....	2
3	129- 162	JAM NUT - lock, 5/16" - 24 NF, plated .....	1
4	176- 296	SCREW - adjusting, main relief valve, 5/16" - 24 NF x 1-3/4" .....	1
5	D 26268	SPRING - plunger .....	1
6	D 26267	PLUNGER - relief valve .....	1
7	A 25291	BODY - relief valve .....	1
8	L 30443	BACKUP RING - L30444 O-ring .....	1
9	L 30444	O-RING - small .....	1
10	218- 5006	O-RING - large .....	1
11	D 26266	SEAT - plunger .....	1
12	D 52319	SPRING - poppet .....	1
13	D 37062	POPPET - main relief valve .....	1
14	D 37063	SEAT - poppet .....	1
15	L 30444	O-RING - sleeve .....	1
16	L 30443	BACKUP RING - L30444 O-ring .....	1
17	D 83201	SLEEVE - seat .....	1
18	218- 5210	PLUG - main relief valve .....	1
19	218- 5006	O-RING - plug .....	1

**\*NOTE:** For the dual relief valve used on dozer models with a backhoe, see page 219.

## CIRCUIT RELIEF AND LOAD CHECK VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	129- 514	DOME NUT - 5/16" - 24 NF	1
2	D 26270	WASHER - special	2
3	129- 162	JAM NUT - lock, 5/16" - 24 NF, plated	1
4	176- 297	ADJUSTING SCREW - 5/16" - 24 NF x 1"	1
5	N 6042	PLUG - stop	1
6	D 66437	CAP - circuit relief valve	1
7	218- 5006	O-RING - cap	1
8	N 7764	GUIDE - spring, 7/32" (5.5 mm) diameter at point A, see illustration, also order items 9, 10, and 12, must be replaced as a matched set	1
8A	N 7985	GUIDE - spring, 9/32" (7 mm) diameter at point A, see illustration, also order items 9A, 10A, and 12A, must be replaced as a matched set	1
9	D 40357	BACKUP RING - O-ring, item 8 spring guide only, see identification, if used	1
9A	D 54860	BACKUP RING - O-ring, item 8A spring guide only, see identification, if used	1
10	D 40356	O-RING - item 8 spring guide only, see identification, if used	1
10A	A 51274	O-RING - item 8A spring guide only, see identification, if used	1
11	D 37148	SPRING - poppet	1
12	D 37074	POPPET - also order items 8, 9, and 10, must be replaced as a matched set	1
12A	D 37151	POPPET - also order items 8A, 9A, and 10A, must be replaced as a matched set	1
13	D 37075	SEAT - poppet	1
14	D 37072	BODY - circuit relief valve	1
15	218- 5007	O-RING - body	1
16	D 37071	BACKUP RING - center O-ring	1
17	D 26265	O-RING - center	1
18	D 37070	BACKUP RING - small O-ring	2
19	A 18414	O-RING - small	1
20	D 37067	SPRING - poppet	1
21	D 37068	POPPET - load check valve	1
22	D 37069	SEAT - poppet, 13/16" (21 mm) long, used in R42400 four spool dozer control valve only	1
23	D 40358	SEAT - poppet, 3/8" (9.5 mm) long, used in all loader control valves only	1

## G101229 DOZER LIFT CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
	G 101229	CYLINDER ASSEMBLY - dozer lift, 2-1/2" (64 mm) ID x 28" (711 mm) stroke	2
1	G 34346	TUBE ASSEMBLY - cylinder	1
2	30634	BUSHING - tube	2
	G 104915	GLAND ASSEMBLY - cylinder	1
3	NSS	GLAND - cylinder	1
3A	G 102569	PLUG - nylon, thread locking, gland, if used	1
4	*D 95141	WIPER - piston rod	1
5	*D 36968	U-CUP SEAL - piston rod, wide	1
5	G 100775	U-CUP SEAL - piston rod, service option, severe heat or cold, if used	1
6	*G 109092	SEAL - piston rod, narrow, used in addition to item 5 in some glands	1
7	*A 28318	O-RING - gland	1
8	*G 32129	BACKUP RING - gland O-ring	1
9	187- 1524	SCREW - self-tapping, hex slotted head, No. 8 - 32 NC x 3/8", plated, if used	1
10	G 34348	ROD - piston, 1-1/4" (32 mm) diameter	1
11	G 100708	PISTON - cylinder	1
12	*G 102289	SEAL - piston	1
13	*G 100713	BACKUP RING - piston seal	1
14	*G 100714	RING - wear	2
15	28- 1240	BOLT - hex head, 3/4" - 16 NC x 2-1/2", grade 8	1
16	G 32317	WASHER - hardened	1
	*G 109475	KIT - seal, includes all items with an asterisk	1

**NOTE:** The cylinder assembly part number is stamped on some cylinder glands or tubes.

### LOADER LIFT FRAME MOUNTING PARTS AND LIFT CYLINDERS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	R 41509	FRAME - loader upright .....	1
2	D 31142	BUSHING - loader lift frame .....	2
3	26- 1244	BOLT - hex head, 3/4" - 10 NC x 2-3/4" .....	2
4	26- 1240	BOLT - hex head, 3/4" - 10 NC x 2-1/2" .....	6
5	26- 1252	BOLT - hex head, 3/4" - 10 NC x 3-1/4" .....	4
6	D 34666	WASHER - hardened, 3/4" .....	24
7	131- 1205	NUT - hex, self locking, 3/4" - 10 NC .....	12
8	G 101242	CYLINDER - loader lift, right-hand, parts list page 231 .....	1
9	G 101243	CYLINDER - loader lift, left-hand, parts list page 231 .....	1
10	26- 824	BOLT - hex head, 1/2" - 13 NC x 1-1/2" .....	2
11	92- 8	WASHER - lock, 1/2" .....	2
12	95- 8	WASHER - flat, 1/2" .....	2
13	R 39697	BUSHING - pin .....	2
14	R 39712	PIN - lift cylinder, closed end .....	2
15	D 33142	PIN - lift cylinder, rod end .....	2
16	D 25279	SNAP RING - cylinder pin, rod end .....	4
17	R 41410	FRAME - loader lift, for bushings see page 249 .....	1

DOZER C-FRAME AND CYLINDERS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	R 41546	C-FRAME - dozer	1
2	D 30929	BUSHING - leveling beam mounting	2
3	D 30930	BUSHING - mounting lug at main frame	4
4	D 34654	PIN - C-frame to main frame	2
5	D 25279	SNAP RING - pin	4
6	219- 1	GREASE FITTING - straight, 1/8" NPT	2
7	D 28481	PLUG - special, dozer engine frame	2
8	211- 17	BALL - steel, 3/4" diameter	38
9	219- 1	GREASE FITTING - straight, 1/8" NPT	2
10	R 47082	TRUNNION - lift cylinder	2
11	G 101229	CYLINDER - lift, parts list page 237	2
12	D 24508	PIN - trunnion to lift cylinder	4
13	D 43745	THRUST WASHER - trunnion, if used	4
14	219- 55	GREASE FITTING - 90 degree, 1/8" NPT, replaces straight grease fitting used in production on some models	4
15	13- 648	BOLT - hex head, 3/8" - 16 NC x 3"	4
16	92- 6	WASHER - lock, 3/8"	4
17	25- 106	NUT - hex, 3/8" - 16 NC	4
18	D 46466	BRACKET - lift cylinder to C-frame	2
19	219- 1	GREASE FITTING - straight, 1/8" NPT	2
20	13- 1036	BOLT - hex head, 5/8" - 11 NC x 2-1/4"	4
21	D 46467	PIN - lift cylinder to C-frame	2
22	D 26918	SNAP RING - pin	4
23	G 101250	CYLINDER - angle, parts list page 239	2
24	D 46461	PIN - angle cylinder to C-frame	2
25	D 46462	PLATE - pin retaining	1
26	13- 816	BOLT - hex head, 1/2" - 13 NC x 1"	1
27	92- 8	WASHER - lock, 1/2"	1
28	D 33150	PIN - angle cylinder to leveling beam	2
29	13- 612	BOLT - hex head, 3/8" - 16 NC x 3/4"	2
30	92- 6	WASHER - lock, 3/8"	2
31	V 20216	WASHER - flat, 3/8"	2
32	D 46464	PIN - leveling beam to C-frame	1
33	95- 22	WASHER - flat, 1-3/8" ID	1
34	25- 1222	NUT - hex, slotted, 1-3/8" - NC threads	1
35	132- 154	COTTER PIN - 1/4" x 2"	1

PTO CONTROL AND ADAPTER PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	23018	SLEEVE - PTO shaft adapter .....	1
2	23019	RIVET - sleeve .....	1
3	D 41906	ADAPTER - PTO to transmission .....	1
4	11429	GASKET - adapter .....	1
5	49882	DOWEL PIN - adapter locating .....	4
6	13- 720	BOLT - hex head, 7/16" - 14 NC x 1-1/4" .....	11
7	R 30095	PTO ASSEMBLY - parts list page 269, machinery item, see page 2 for ordering .....	1
8	G 10447	GASKET - PTO assembly .....	1
9	G 10711	DOWEL PIN - PTO locating .....	2
10	13- 616	BOLT - hex head, 3/8" - 16 NC x 1" .....	6
11	92- 6	WASHER - lock, 3/8" .....	6
12	R 29642	LEVER - PTO control, used on models without three point hitch .....	1
13	R 29881	LEVER - PTO control, used on models with three point hitch .....	1
14	195- 25	WASHER - flat, 3/8" .....	1
15	132- 26	COTTER PIN - 3/32" x 3/4" .....	1
16	R 29641	BRACKET - lever retaining .....	1
17	13- 616	BOLT - hex head, 3/8" - 16 NC x 1" .....	1
18	131- 352	NUT - hex, self-locking, 3/8" - 16 NC .....	1
19	R 29557	COUPLER - PTO .....	1

### REAR COUNTERWEIGHT LOADER MODELS WITH WINCH

REF.	PART NO.	DESCRIPTION	REQ'D.
1	32105	COUNTERWEIGHT - rear, 860 pound (390 kg) .....	1
2	R 29875	ARM - right-hand, counterweight support .....	1
3	R 29876	ARM - left-hand, counterweight support .....	1
4	26- 1244	BOLT - hex head, 3/4" - 10 NC x 2-3/4" .....	4
5	131- 657	NUT - hex, self-locking, 3/4" - 10 NC .....	2
6	26- 1248	BOLT - hex head, 3/4" - 10 NC x 3" .....	2
7	131- 1205	NUT - hex, self-locking, 3/4" - 10 NC .....	2
8	26- 836	BOLT - hex head, 1/2" - 13 NC x 2-1/4", grade 8 .....	4
9	R 24718	WASHER - flat, 1/2", hardened .....	4
10	131- 654	NUT - hex, self-locking, 1/2" - 13 NC .....	4
11	13- 1680	BOLT - hex head, 1" - 8 NC x 5" .....	4
12	131- 659	NUT - hex, self-locking, 1" - 8 NC .....	4
13	D 34666	WASHER - flat, 3/4", hardened .....	4

## RADIATOR COVER AND GRILLE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	FRAME - engine, see page 281 or 283, dozer frame shown here . . . . .	1
2	R 41874	PLATE - top, radiator . . . . .	1
3	13- 824	BOLT - hex head, 1/2" - 13 NC x 1-1/2" . . . . .	4
4	92- 8	WASHER - lock, 1/2" . . . . .	4
5	L 102515	LATCH ASSEMBLY - radiator access door . . . . .	1
6	182- 516	MACHINE SCREW - pan head slotted, No. 10 - 24 NC x 1-1/2", plated . . . . .	2
7	192- 18	WASHER - lock, No. 10, plated . . . . .	2
8	129- 17	NUT - hex, No. 10 - 24 NC, plated . . . . .	2
9	R 41781	PLATE - lamp mounting, includes pad . . . . .	1
10	13- 820	BOLT - hex head, 1/2" - 13 NC x 1-1/4" . . . . .	2
11	92- 8	WASHER - lock, 1/2" . . . . .	2
12	25- 108	NUT - hex, 1/2" - 13 NC . . . . .	2
13	R 40434	PLATE - cover, used on models without lamps . . . . .	2
14	182- 516	MACHINE SCREW - pan head slotted, No. 10 - 24 NC x 1-1/2", plated . . . . .	6
15	192- 18	WASHER - lock, No. 10, plated . . . . .	6
16	129- 17	NUT - hex, No. 10 - 24 NC, plated . . . . .	6
17	R 41868	BRACE - support . . . . .	1
18	13- 820	BOLT - hex head, 1/2" - 13 NC x 1-1/4" . . . . .	4
19	195- 33	WASHER - flat, 1/2" . . . . .	4
20	92- 8	WASHER - lock, 1/2" . . . . .	4
21	25- 108	NUT - hex, 1/2" - 13 NC . . . . .	4
22	R 41784	PLATE - support, includes pad . . . . .	1
23	13- 620	BOLT - hex head, 3/8" - 16 NC x 1-1/4" . . . . .	4
24	92- 6	WASHER - lock, 3/8" . . . . .	4
25	25- 106	NUT - hex, 3/8" - 16 NC . . . . .	4
26	R 41826	SCREEN - brush guard . . . . .	1
27	13- 624	BOLT - hex head, 3/8" - 16 NC x 1-1/2" . . . . .	10
28	39519	WASHER - flat, 3/8" . . . . .	20
29	131- 352	NUT - hex, self-locking, 3/8" - 16 NC . . . . .	10
30	R 41824	GRILLE - standard, 3/16" (4.76 mm) thick . . . . .	1
30	R 41825	GRILLE - heavy duty, 1/4" (6.35 mm) thick . . . . .	1
31	121- 429	BOLT - hex flange head, 1/2" - 13 NC x 1-1/4", Teflon coated, replaces regular hex head bolt, lock washer, and flat washer used in production on some models . . . . .	1
32	121- 428	BOLT - hex flange head, 1/2" - 13 NC x 1", Teflon coated, replaces regular hex head bolt, lock washer, and flat washer used in production on some models . . . . .	6
33	* R 41843	PLATE - below grille, used on drawbar or loader models only . . . . .	1
34	13- 824	BOLT - hex head, 1/2" - 13 NC x 1-1/2" . . . . .	4
35	92- 8	WASHER - lock, 1/2" . . . . .	4
36	D 93753	PADLOCK - radiator access door, includes keys . . . . .	1
37	R 29555	KEY - for Master padlock only . . . . .	2
37	D 93751	KEY - for Yale padlock only . . . . .	2
38	R 38805	PLUG - rubber, used on models without ROPS canopy, if used . . . . .	6

\*NOTE: For hydraulic guard used on dozer models see page 169.

SEAT AND SEAT BELT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D 33263	SUPPORT - back, seat, used on models without backhoe	1
2	13- 616	BOLT - hex head, 3/8" - 16 NC x 1"	4
3	92- 6	WASHER - lock, 3/8"	4
3A	95- 6	WASHER - flat, 3/8"	4
4	113- 206	BOLT - hex head, 3/8" - 16 NC x 3/4", plated	4
5	D 44169	BACKREST - seat	1
6	D 44386	CUSHION - seat	1
7	D 27693	ARMREST - right-hand	1
8	D 48489	ARMREST - left-hand	1
9	13- 416	BOLT - hex head, 1/4" - 20 NC x 1"	4
10	92- 4	WASHER - lock, 1/4"	4
11	D 85816	SEAT BELT - 3" (76 mm) wide	1
11A	R 51095	SEAT BELT - 2" (51 mm) wide	1
12	F 42236	SHOULDER BOLT - special, 7/16" - 20 NF X 1-1/4"	2
13		RESERVED	
14	192- 22	WASHER - lock, 7/16", plated	2
15	129- 124	NUT - hex, 7/16" - 20 NF, plated, used on left-hand side if seat frame does not have a weld nut	1

**\*USED ON MODELS WITH A 26D BACKHOE**

16	R 46774	SUPPORT - back, seat, models with a backhoe	1
17	R 46771	BRACKET - backrest pivot, left-hand	1
18	R 46772	BRACKET - backrest pivot, right-hand	1
19	132- 26	COTTER PIN - 3/32" X 3/4"	2
20	195- 104	WASHER - flat, 3/8"	2

**\*NOTE:** For the backhoe seat used on models with a 26C backhoe, see the 26C Backhoe Parts Catalog, form No. D1207.

OPERATORS MANUAL BOX

REF.	PART NO.	DESCRIPTION	REQ'D.
1	R 38893	MANUAL BOX - operators, attaches to top of cowl, if used .....	1
2	N 7120	LATCH - R38893 operators manual box .....	1
3	R 46464	MANUAL BOX - operators, attaches to inner side of ROPS canopy roof, if used .....	1
4	NSS	LATCH - R46464 manual box .....	2
5	151- 522	POP RIVET - 3/16" .....	3
6	195- 511	WASHER - flat, 3/16", plated .....	3
7	L 18337	TIE STRAP - operators manual box .....	1
8	R 46465	CORD - manual retaining, R46464 box only .....	1
9	NSS	RETAINER - screw-type, operators manual, if used, buy locally .....	1

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