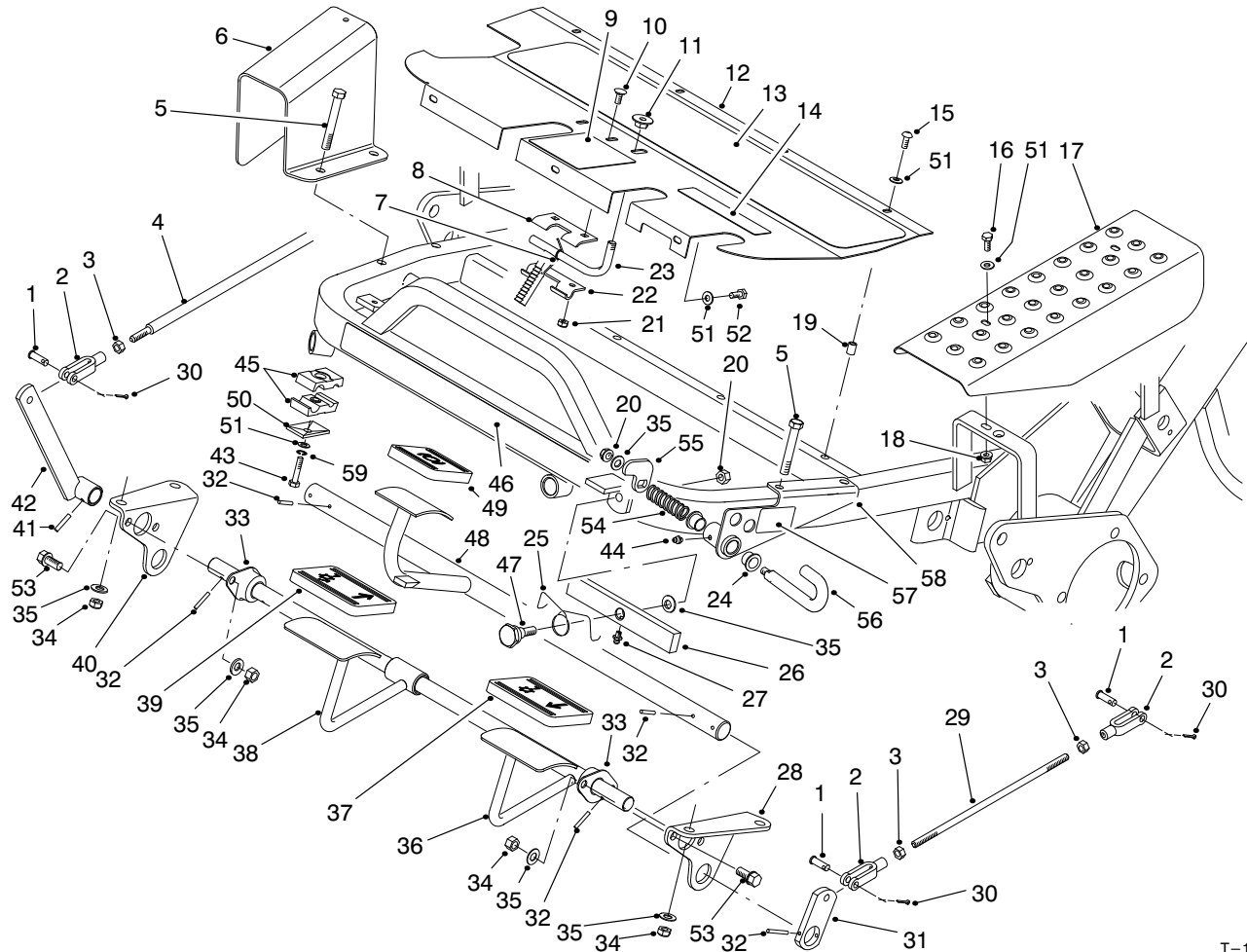


TORO®

MODEL NO. 04354-90001 & UP

PARTS CATALOG

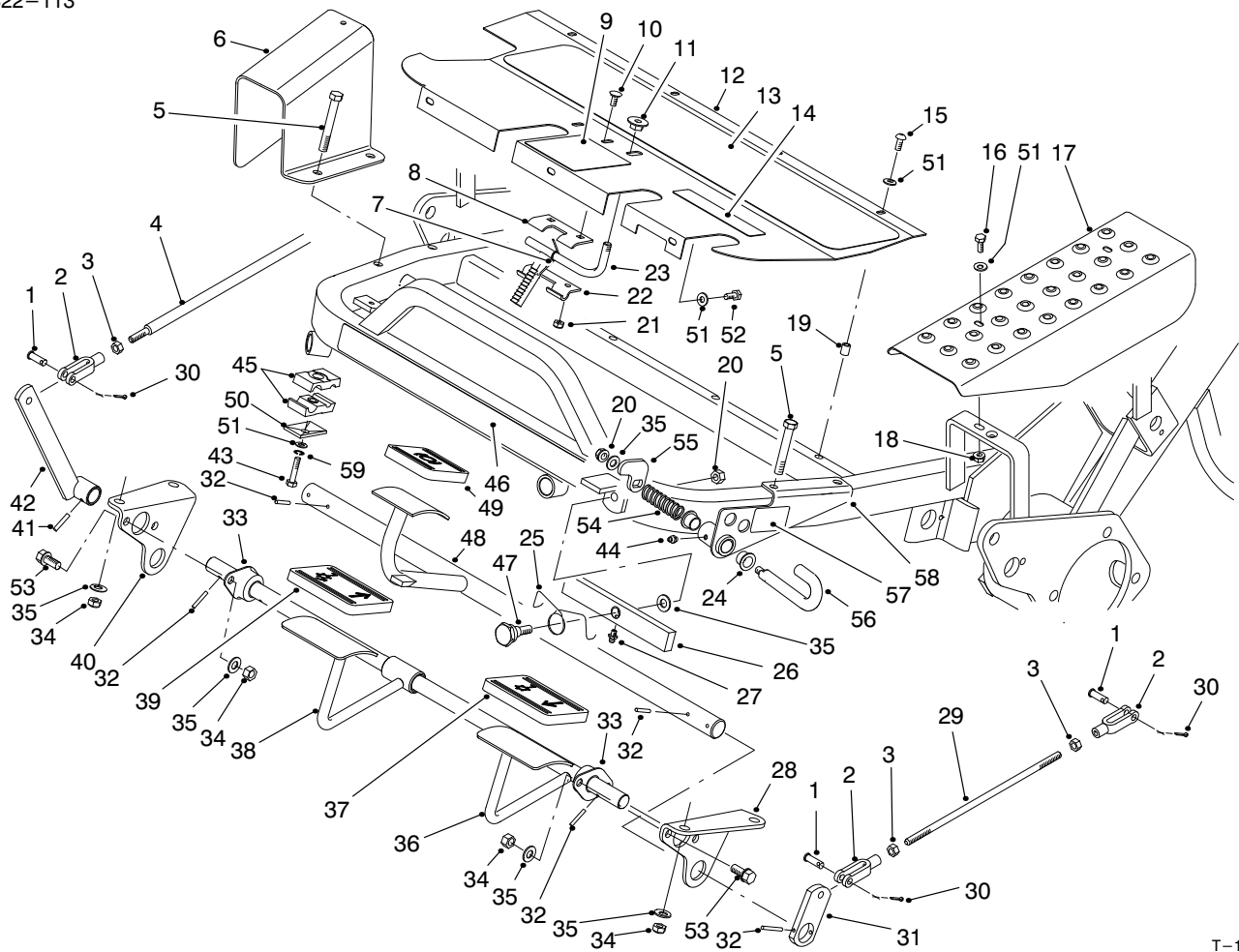
GREENSMASTER® 3100-3WD TRACTION UNIT



T-1285-4

CONTROL PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	283-61	Pin-Clevis	5	15	3274-31	Screw-Hex. Socket Hd.	4
2	282-2	Clevis-Adjusting	5	16	321-4	Screw-HH	2
3	3220-2	Nut-Jam	5	17	83-0200	Cover-LH	1
4	49-5430	Rod-Control	1	18	32128-33	Nut-HFH	2
5	323-13	Screw-HH	4	19	32148-6	Insert-Threaded	8
6	49-6110	Guard-Transfer Rod	1	20	3296-39	Nut-Lock	2
7	10-8140	Spring-Torsion	1	21	3296-16	Nut-Lock	2
8	95-1628	Hinge-Upper	1	22	95-1629	Hinge-Lower	1
9	93-8062	Decal-Parking Brake	1	23	10-7850	Latch-Parking Brake	1
9	83-2480	Decal-Parking Brake (Japanese)	1	24	3-1506	Bushing-Flange	2
10	3229-22	Bolt-Carriage	2	25	83-0080	Spring-Torsion	1
11	32141-111	Nut-HFH	1	26	83-0060	Lift-Pivot	1
12	83-0640	Plate-Footrest	1	27	302-5	Fitting-Grease	1
13	49-6120	Pad-Footrest	1	28	88-9640	Lift Pivot Bracket LH	1
14	93-8075	Decal-Mow/Lift	1	29	27-2270	Rod-Brake Adjusting	2
14	83-2530	Decal-Mow/Lift (Japanese)	1	30	3272-6	Pin-Cotter	5
				31	10-8100	Strap-Brake Shaft	2

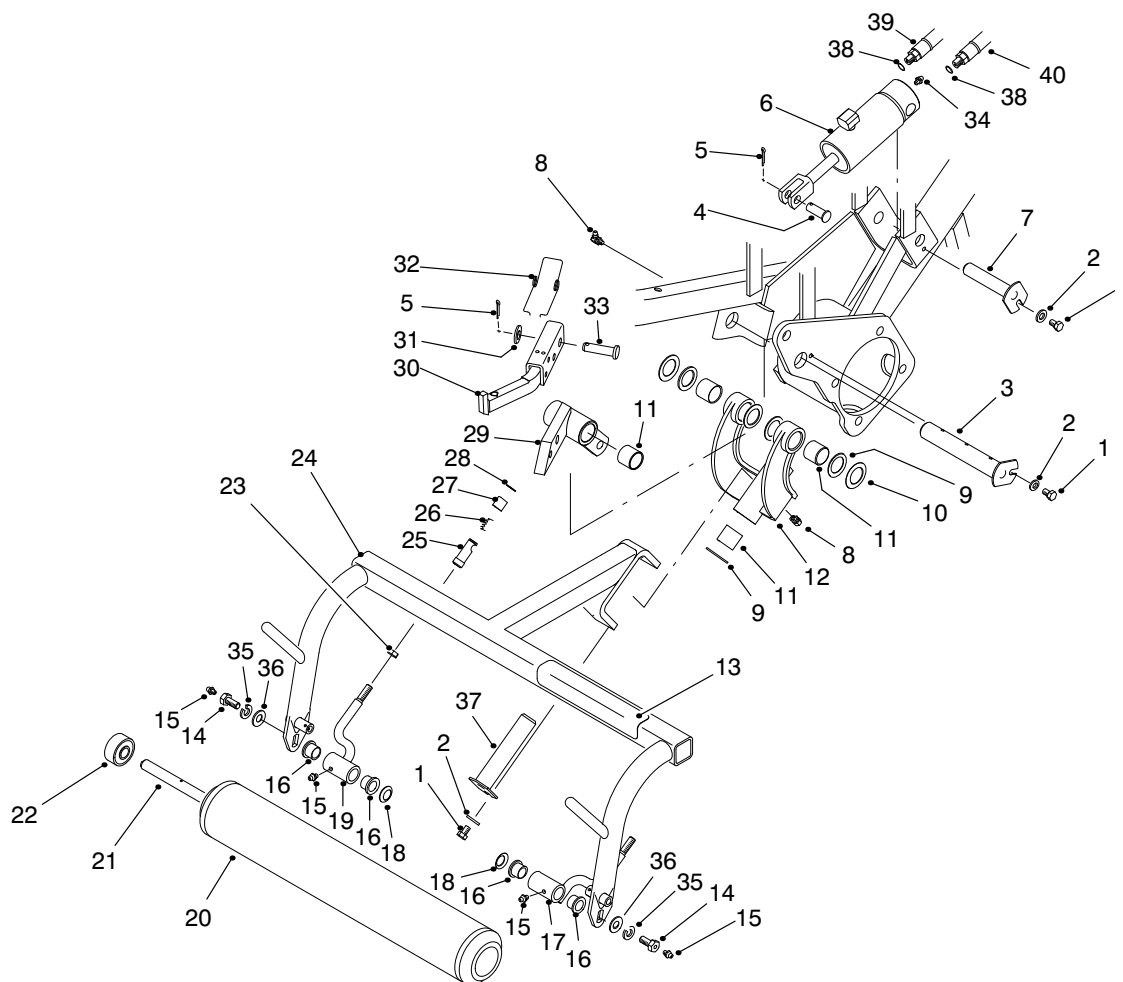


T-1285-4

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
32	32121-35	Pin-Roll	8	47	83-2590	Bolt-Eccentric	1
33	27-2320	Bearing-Flange	2	48	83-0160	Shaft-Brake	1
34	3296-59	Nut-Lock	8	49	93-7629	Pad-Brake	1
35	3256-38	Washer-Flat	6	50	69-9760	Plate-Cover	1
36	88-9660	Shaft-Cutting Control	1	51	3256-1	Washer-Flat	9
37	93-7631	Pad-Lift	1	52	321-3	Screw-HH	3
38	83-0140	Pedal-Mow	1	53	3234-1	Screw-HH	4
39	93-7630	Pad-Mow	1	54	76-0410	Spring	1
40	88-9630	Lift Pivot Bracket RH	1	55	93-9904	Arm-Lock Out, Mow	1
41	32121-6	Pin-Roll	1	56	93-9903	Pin-Lock Out, Mow	1
42	49-6200	Lever-Cutting Control	1	57	93-9898	Decal-Lock	1
43	321-11	Screw-HH	1	58	93-9901	Bracket-Lock Out, Mow	1
44	302-5	Fitting-Grease	1	59	3253-3	Washer-Lock	1
45	56-7970	Clamp Half-Tube	2	*	36-7250	Basket-Grass	3
46	93-2548	Decal-Greensmaster 3100	1	*	65-8320	Bar-Gauge	1

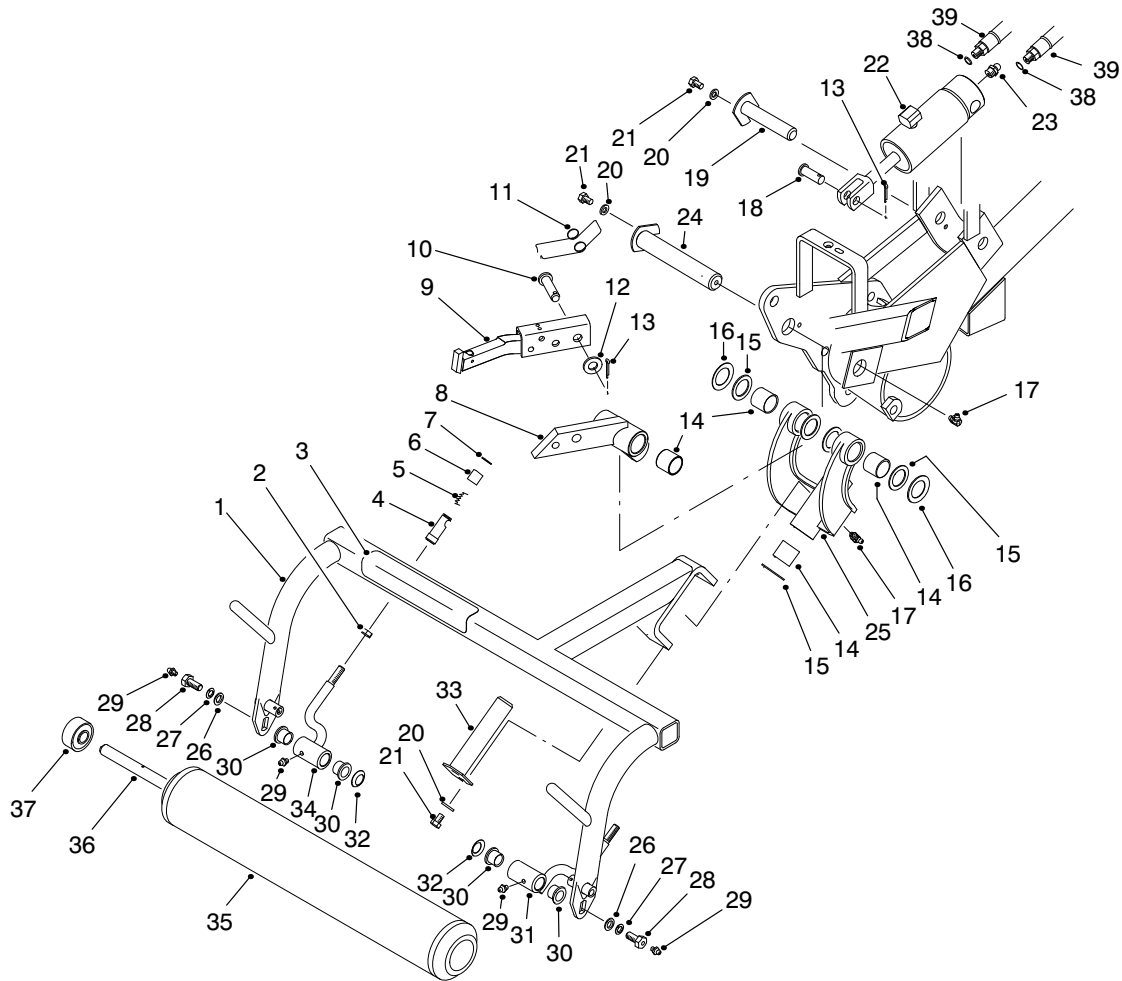
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T-1283B

PULL FRAME ASSEMBLY LH

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-1	Screw-HH	3	21	21-8470	Shaft-Roller	1
2	3256-23	Washer-Flat	3	22	251-141	Bearing-Ball	2
3	10-6110	Pin-Hinge	1	23	3220-3	Nut-Jam	2
4	283-8	Pin-Clevis	1	24	92-9176	Frame-Pull LH	1
5	3272-11	Pin-Cotter	2	25	99-1460	Asm-Ball Joint Receiver (Incl. Ref. #26-28)	2
6	99-8159	Cylinder-Lift	1	26		Spring-Compression	2
7	10-6060	Pin-Lift Cylinder	1	27	99-1461	Sleeve	2
8	302-60	Fitting-Grease 90°	2	28		Ring-Retaining	2
9	10-8110	Washer-Thrust	6	29	62-2460	Asm-Lift Arm LH (Incl. Ref. #11)	1
10	5-1226	Washer-Shim	2	30	94-5586	Bar-Lift LH	1
11	3-0348	Bushing-Sleeve	6	31	3256-26	Washer-Flat	1
12	10-7820	Asm-Pivot Hinge (Incl. Ref. #11)	1	32	57-7650	Spring-Torsion	1
13	93-8064	Decal-Danger	1	33	63-8750	Pin-Pivot	1
13	84-6560	Decal-Danger (Japanese)	1	34	302-2	Fitting-Grease Straight	1
14	11-0160	Asm-Roller Shaft Screw (Incl. Ref. #15)	2	35	3253-21	Washer-Lock	2
15	302-5	Fitting-Grease Straight	4	36	3256-24	Washer-Flat	2
16	3-1506	Bushing-Flange	4	37	10-6090	Pin-Pivot	1
17	92-0586	Asm-Pull Arm LH (Incl. Ref. #16)	1	38	237-78	O-Ring	2
18	3290-317	Washer-Wave	2	39	63-3850	Hose-Hydraulic (Incl. Ref. #38)	1
19	92-0585	Asm-Pull Arm RH (Incl. Ref. #16)	1	40	83-1690	Hose-Hydraulic (Incl. Ref. #38)	1
20	52-2720	Asm-Roller (Incl. Ref. #22)	1				

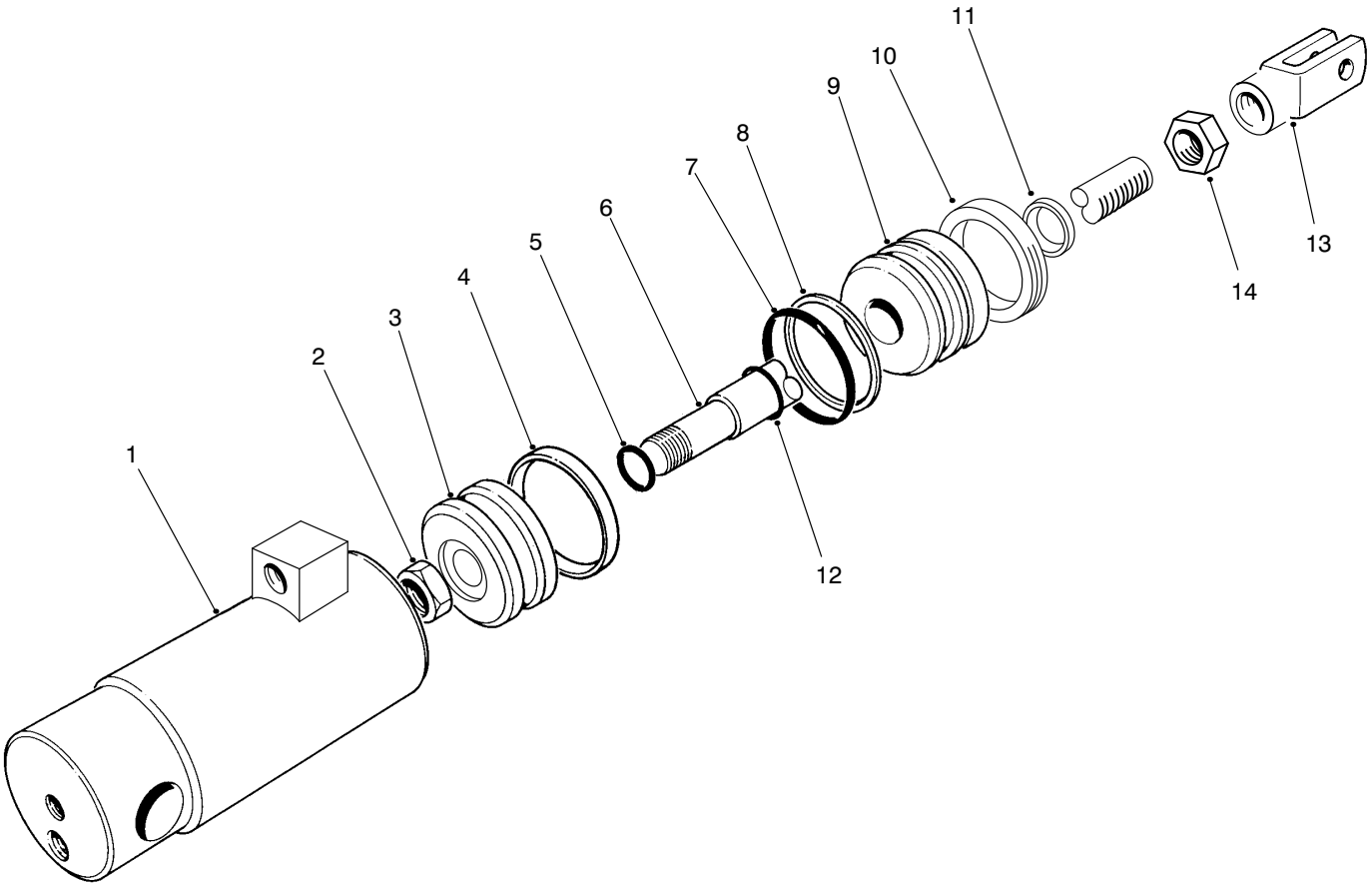


T-1284C

PULL FRAME ASSEMBLY RH

Ref. No.	Part No.	Description	No. Used
1	92-9177	Frame-Pull RH	1
2	3220-3	Nut-Jam	2
3	93-8064	Decal-Danger	1
3	84-6560	Decal-Danger (Japanese)	1
4	99-1460	Asm-Ball Joint Receiver (Incl. Ref. #5-7)	2
5		Spring-Compression	2
6	99-1461	Sleeve	2
7		Ring-Retaining	2
8	62-2440	Asm-Lift Arm (Incl. Ref. #14)	1
9	94-5588	Bar-Lift, RH	1
10	63-8750	Pin-Pivot	1
11	57-7650	Spring-Torsion	1
12	3256-26	Washer-Flat	1
13	3272-11	Pin-Cotter	2
14	3-0348	Bushing-Sleeve	6
15	10-8110	Washer-Thrust	6
16	5-1226	Washer-Shim	2
17	302-60	Fitting-Grease 90°	2
18	283-8	Pin-Clevis	1
19	10-6060	Pin-Pivot	1
20	3256-23	Washer-Flat	3
21	322-1	Screw-HH	3

Ref. No.	Part No.	Description	No. Used
22	99-8159	Asm-Hydraulic Cylinder.	1
23	302-2	Fitting-Grease	1
24	10-6110	Pin-Pivot	1
25	10-7820	Asm-Pivot Hinge (Incl. Ref. #14)	1
26	3256-24	Washer-Flat	2
27	3253-21	Washer-Lock	2
28	11-0160	Asm-Roller Shaft Screw (Incl. Ref. #29)	2
29	302-5	Fitting-Grease	4
30	3-1506	Bushing-Flange	4
31	92-0586	Asm-Pull Arm LH (Incl. Ref. #30)	1
32	3290-317	Washer-Wave	2
33	10-6090	Pin-Pivot	1
34	92-0585	Asm-Pull Arm RH (Incl. Ref. #30)	1
35	52-2720	Asm-Roller (Incl. Ref. #37)	1
36	21-8470	Shaft-Roller	1
37	251-141	Bearing-Ball	2
38	237-78	O-Ring	2
39	92-9767	Asm-Hose, Cylinder Lift (Incl. Ref. #38)	2

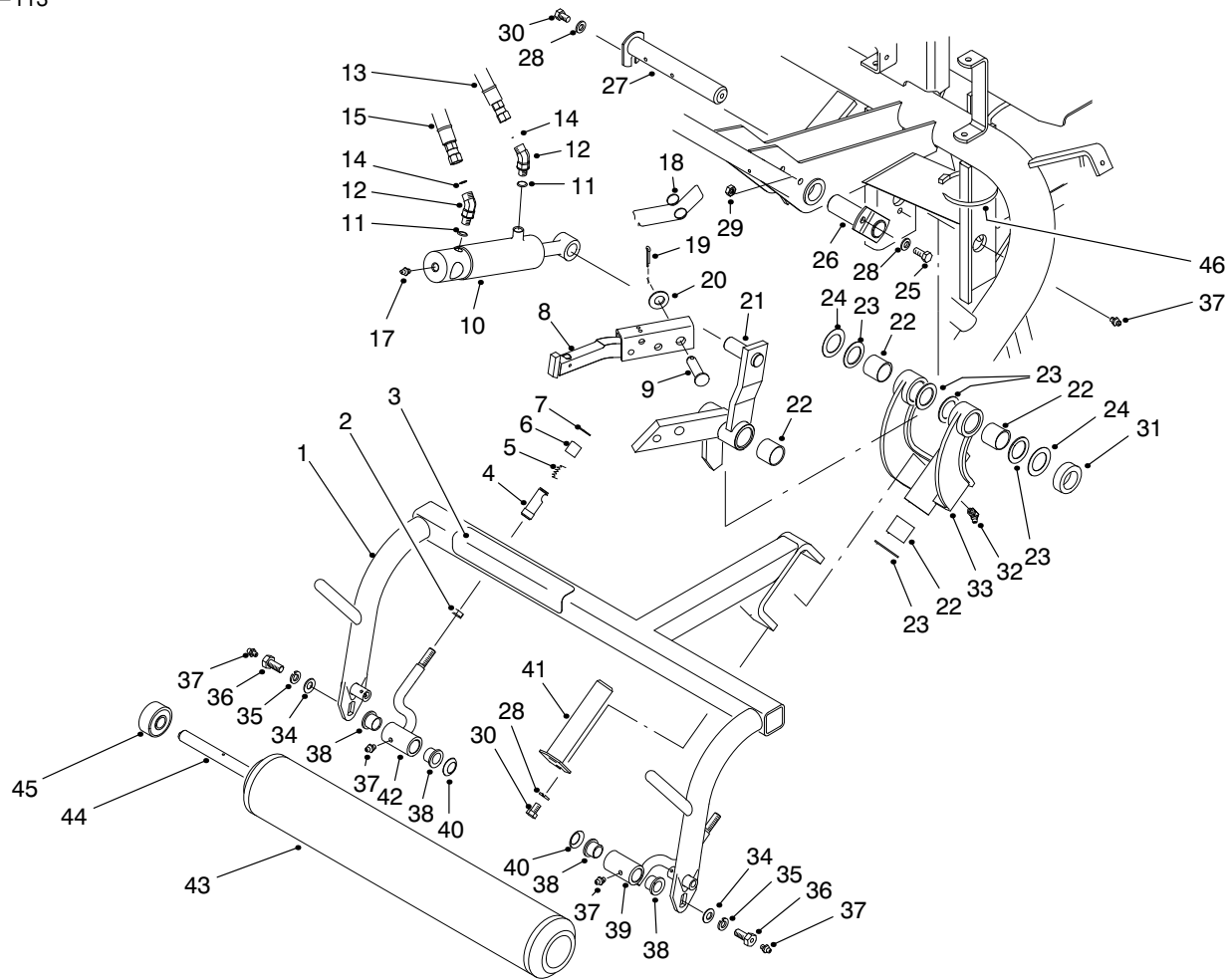


T-3154-1

HYDRAULIC CYLINDER ASSEMBLY NO. 99-8159

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Barrel	1	10		Collar-Internal	1
2	32152-10	Nut-Lock	1	11		Seal-Dust	1
3	52-1990	Piston	1	12		Seal-Rod	1
4		Uniring	1	13	76-1850	Clevis	1
5		O-Ring	1	14	3220-6	Nut-Jam	1
6		Shaft	1	*	99-8163	Kit-Seal (Incl. Ref. #4, 5, 7, 8, 11 & 12)	1
7		O-Ring	1				
8		Washer-Back-Up	1				
9		Head	1				

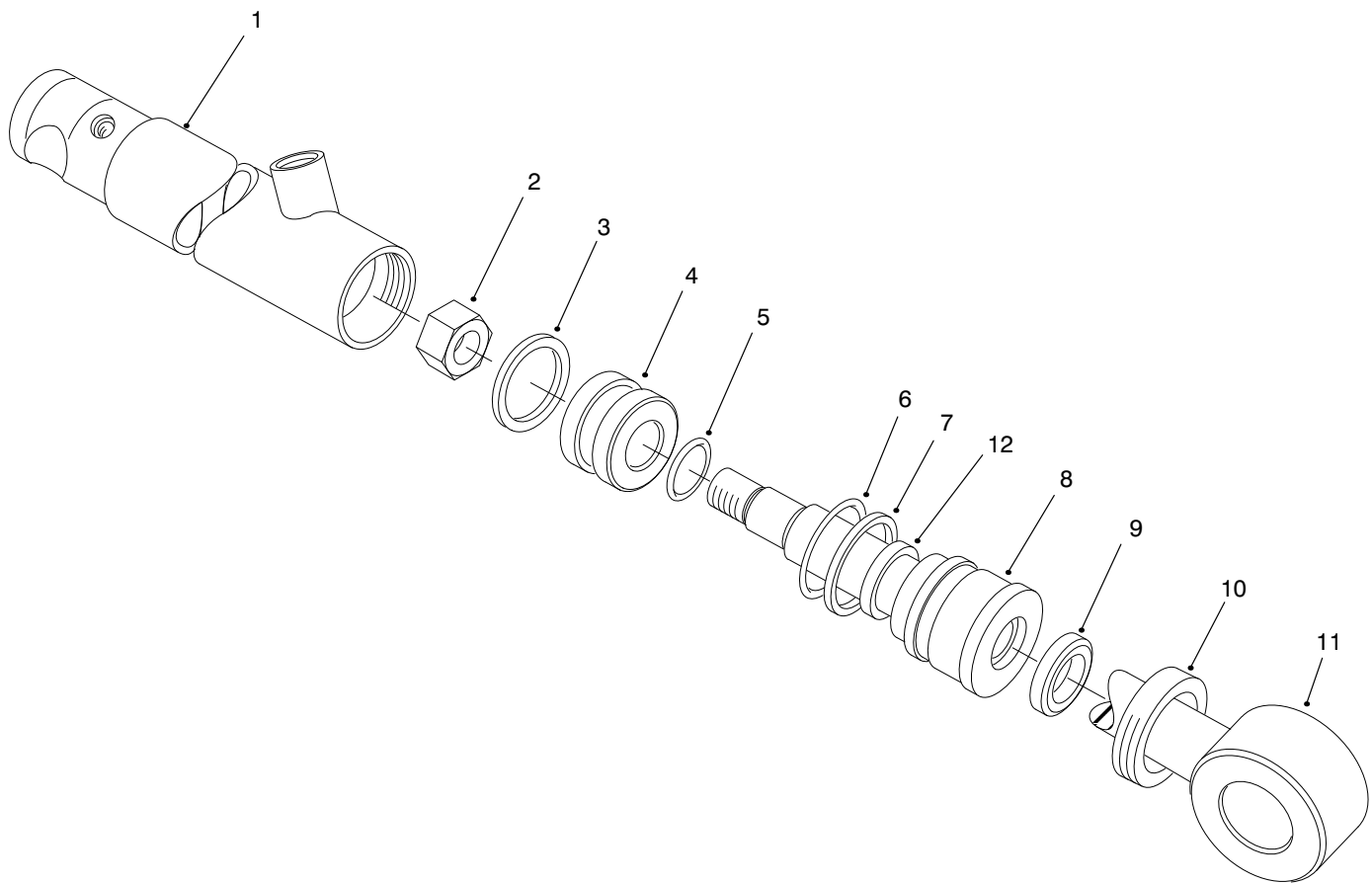
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T-1286C

PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9820	Frame-Pull Rear	1	25	322-3	Screw-HH	1
2	3220-3	Nut-Jam	2	26	68-5560	Pin-Cylinder Pivot	1
3	93-8064	Decal-Danger	1	27	27-2550	Pin-Pivot	1
3	84-6560	Decal-Danger (Japanese)	1	28	3256-23	Washer-Flat	3
4	99-1460	Asm-Ball Joint Receiver (Incl. Ref. 5-7)	2	29	3296-29	Nut-Lock	1
5		Spring-Compression	2	30	322-1	Screw-HH	2
6	99-1461	Sleeve	2	31	93-2384	Spacer-Carrier	1
7		Ring-Retaining	2	32	302-60	Fitting-Grease 90°	1
8	62-2420	Bar-Lift, Center	1	33	10-7820	Asm-Pivot Hinge (Incl. Ref. #22)	1
9	63-8750	Pin-Pivot	1	34	3256-24	Washer-Flat	2
10	99-8160	Asm-Hydraulic Cylinder	1	35	3253-21	Washer-Lock	2
11	237-35	O-Ring	2	36	11-0160	Asm-Roller Shaft Screw (Incl. Ref. #37)	2
12	340-103	Fitting-Hydraulic 45° (Incl. Ref. #11 & 14)	2	37	302-5	Fitting-Grease Straight	5
13	83-1680	Hose-Hydraulic	1	38	3-1506	Bushing-Flange	4
14	237-78	O-Ring	2	39	92-0586	Asm-Pull Arm LH (Incl. Ref. #38)	1
15	88-9700	Hose-Hydraulic	1	40	3290-317	Washer-Wave	2
17	302-2	Fitting-Grease	1	41	10-6090	Pin-Pivot	1
18	57-7650	Spring-Torsion	1	42	92-0585	Asm-Pull Arm RH (Incl. Ref. #38)	1
19	3272-11	Pin-Cotter	1	43	52-2720	Asm-Roller (Incl. Ref. #45)	1
20	3256-26	Washer-Flat	1	44	21-8470	Shaft-Roller	1
21	68-5380	Asm-Lift Arm (Incl. Ref. #22)	1	45	251-141	Bearing-Ball	2
22	3-0348	Bushing-Sleeve	6	46	3290-379	Tie-Cable	1
23	10-8110	Washer-Thrust	6				
24	5-1226	Washer-Shim	2				

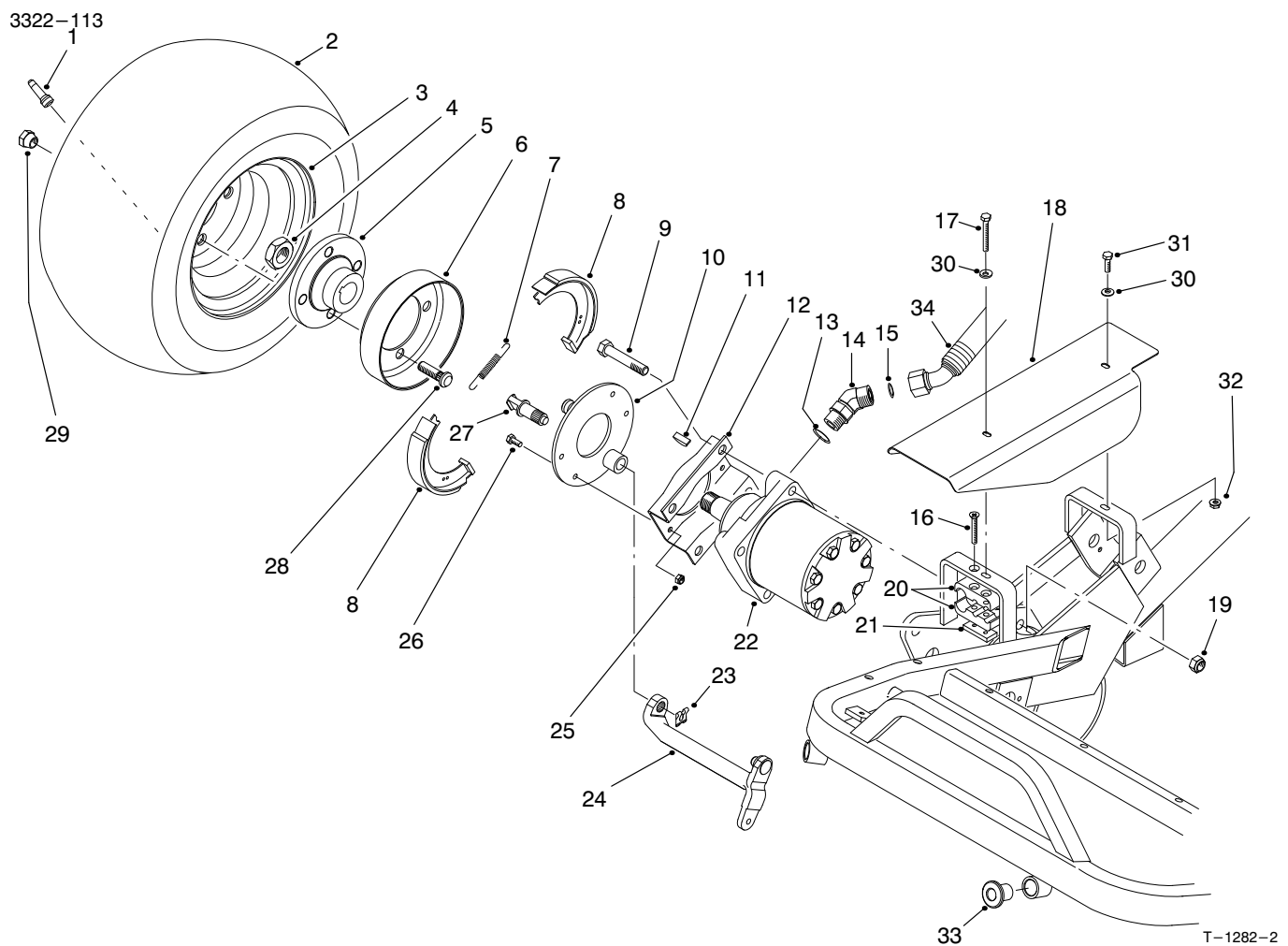


T-3155-1

HYDRAULIC CYLINDER NO. 99-8160

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Barrel	1	8		Head	1
2	32152-10	Nut-Hex.	1	9		Seal-Dust	1
3		Uniring	1	10		Collar-Internal	1
4	70-2780	Piston	1	11		Shaft & Clevis	1
5		O-Ring	1	12		Seal-Rod	1
6		O-Ring	1	*	99-8162	Kit-Repair	
7		Washer-Back-Up	1			(Incl. Ref. #3, 5-7, 9 & 12)	1

*Not Illustrated

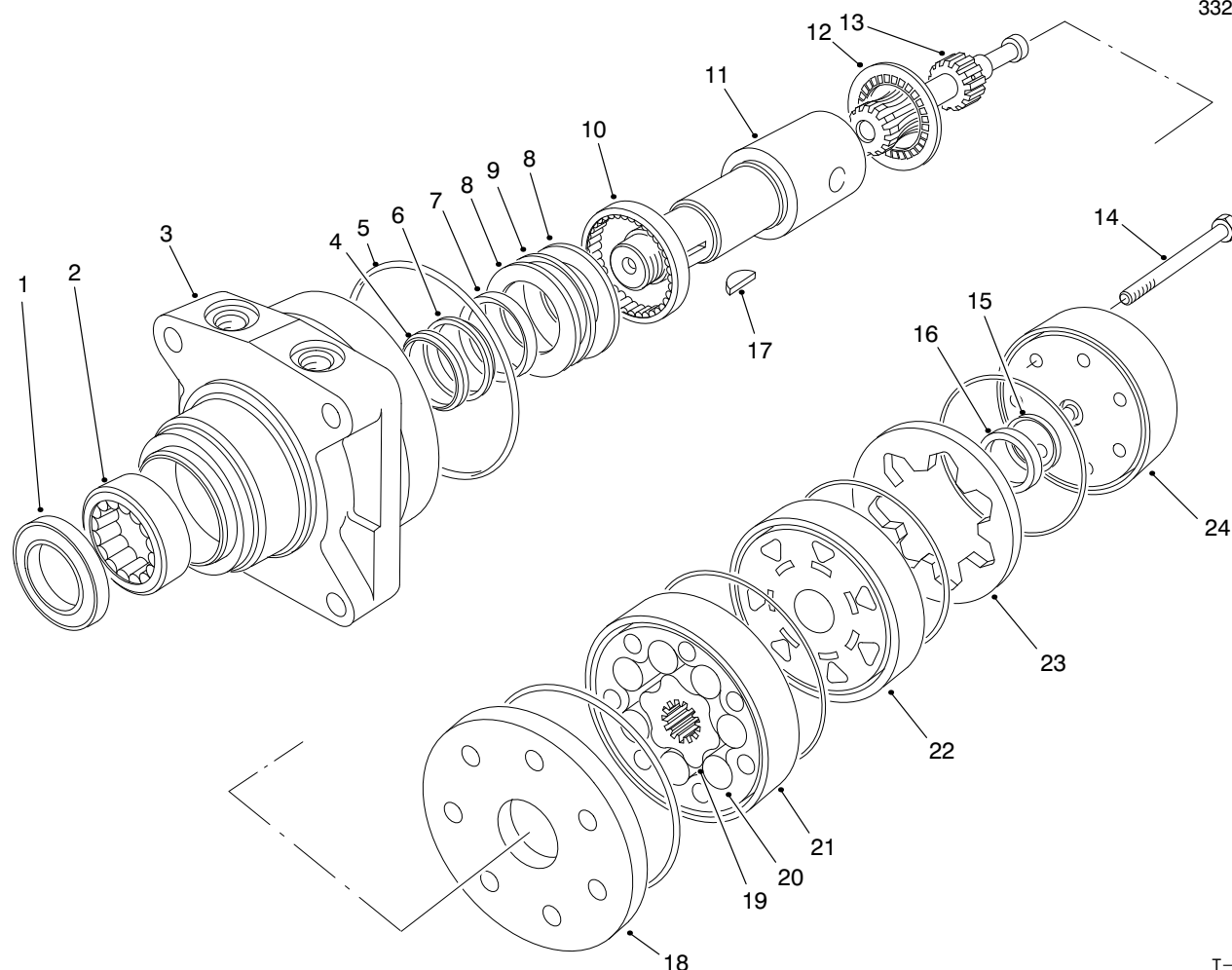


FRONT WHEEL & BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	232-24	Stem-Valve	2
2	28-3680	Tire	2
3	217-60	Rim	2
4	26-3790	Nut-Lock	2
5	10-6870	Hub-Wheel	2
6	10-6850	Drum-Brake	2
7	70-9880	Spring-Return	4
8	70-9840	Shoe-Brake	4
9	325-11	Screw-HH	8
10	70-9870	Plate-Backing	2
11	3257-42	Key-Woodruff	2
12	84-2000	Bracket-Brake	2
13	237-80	O-Ring	4
14	340-14	Fitting-Hydraulic 45° (Incl. Ref. #13 & 15)	4
15	237-65	O-Ring	4
16	32108-100	Screw-Flat Hd.	1
17	321-11	Screw-HH	1
18	83-0190	Cover-RH	1
19	3296-23	Nut-Lock	8
20	57-6140	Clamp Half-Tube	2

Ref. No.	Part No.	Description	No. Used
21	83-1220	Plate-Clamp	1
22	92-9199	Motor-Hydraulic	2
23	70-9850	Clip-Retaining	2
24	93-2096	Arm-Brake	2
25	3296-42	Nut-Lock	8
26	321-5	Screw-HH	8
27	70-9860	Cam-Brake	2
28	85-6540	Stud-Drive	8
29	242-50	Nut-Lug	8
30	3256-22	Washer-Flat	2
31	321-4	Screw-HH	1
32	32128-33	Nut-Lock	1
33	83-1700	Bushing-Flange	2
34	98-0647	Hose-Hydraulic (Top)	1
*	98-2152	Hose-Hydraulic (Bottom)	1
*	10-6821	Asm-Brake Drum (Incl. Ref. #5, 6 & 28)	2
*	71-1500	Asm-Brake (Incl. Ref. #7, 8, 10, 23 & 27)	2

*Not Illustrated

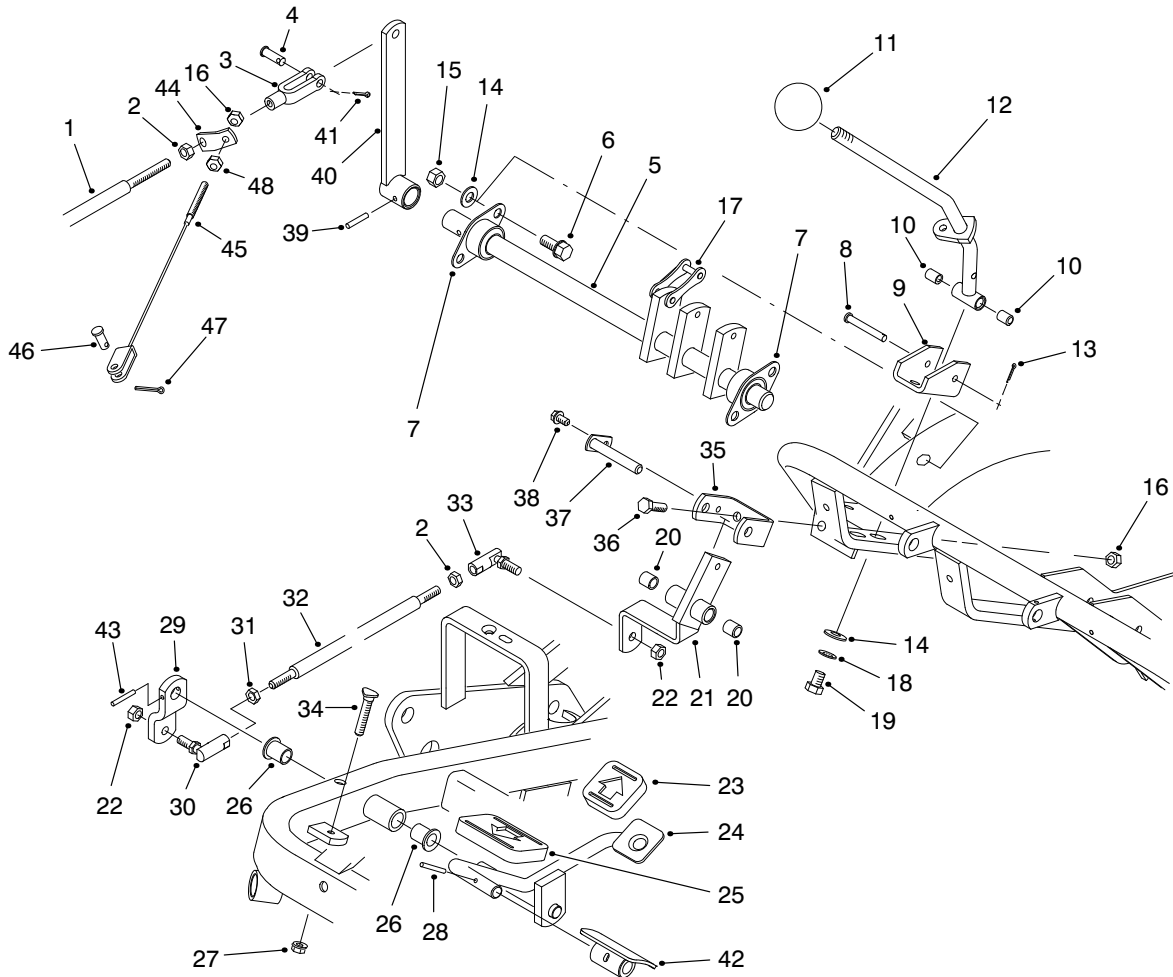


T-0983-2

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9199

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal-Dirt & Water	1	17	3257-42	Key-Woodruff	1
2		Bearing	1	18	76-0870	Plate-Wear	1
3		Housing	1	19		Rotor	1
4		Washer-Back-Up	1	20		Vane	7
5		Ring-Seal	5	21		Stator	1
6		Washer-Back-Up	1	22	76-0840	Manifold	1
7		Seal-Inner	1	23		Ring-Commutator	1
8		Washer-Thrust	2	24	76-0940	Asm-End Cover	1
9		Bearing-Thrust	1	*	92-9763	Rotor Set (Incl. Ref. #19-21)	1
10		Bearing	1	*	76-0880	Asm-Commutator (Incl. Ref. #15, 16 & 23)	1
11	76-0860	Shaft-Coupling	1	*	76-0800	Kit-Seal (Incl. Ref. #1, 4-7 & 15)	1
12	76-0850	Bearing-Thrust	1	*	76-0810	Asm-Housing (Incl. Ref. #2, 3 & 8-10)	1
13	92-9761	Link-Drive	7				
14	92-9762	Screw-HH	1				
15		Seal-Commutator	1				
16		Commutator	1				

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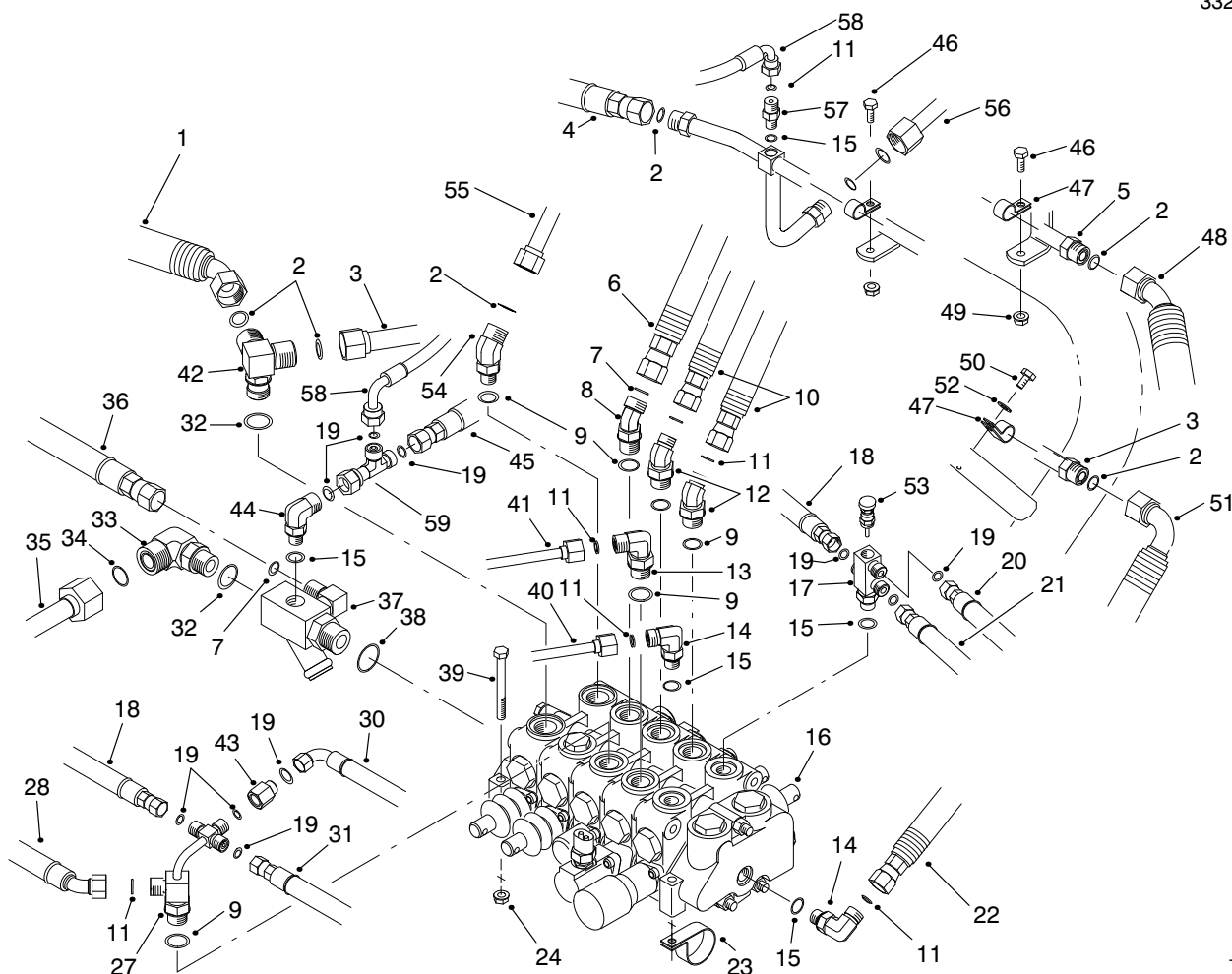


T-1287B

TRACTION CONTROLS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49-5430	Rod-Control	1
2	3220-2	Nut-Jam	2
3	282-2	Clevis-Rod	1
4	283-61	Pin-Clevis	1
5	44-0870	Shaft-Cam	1
6	3234-1	Screw-HFH	4
7	27-2320	Bearing-Flange	2
8	283-57	Pin-Clevis	1
9	49-6220	Bracket-Control Arm	1
10	256-251	Bushing-Sleeve	2
11	233-48	Knob	1
12	93-9934	Asm-Traction Handle (Incl. Ref. #10)	1
13	3272-4	Pin-Cotter	1
14	3256-24	Washer-Flat	6
15	3296-59	Nut-Lock	4
16	3296-29	Nut-Lock	3
17	57-6220	Link	5
18	3254-6	Washer-Lock	2
19	3211-2	Screw-HH	2
20	256-2	Bushing-Sleeve	2
21	49-6260	Asm-Pivot, Traction (Incl. Ref. #20)	1
22	3296-4	Nut-Lock	2
23	74-9110	Pad-Reverse Pedal	1
24	83-0540	Pedal-Traction	1

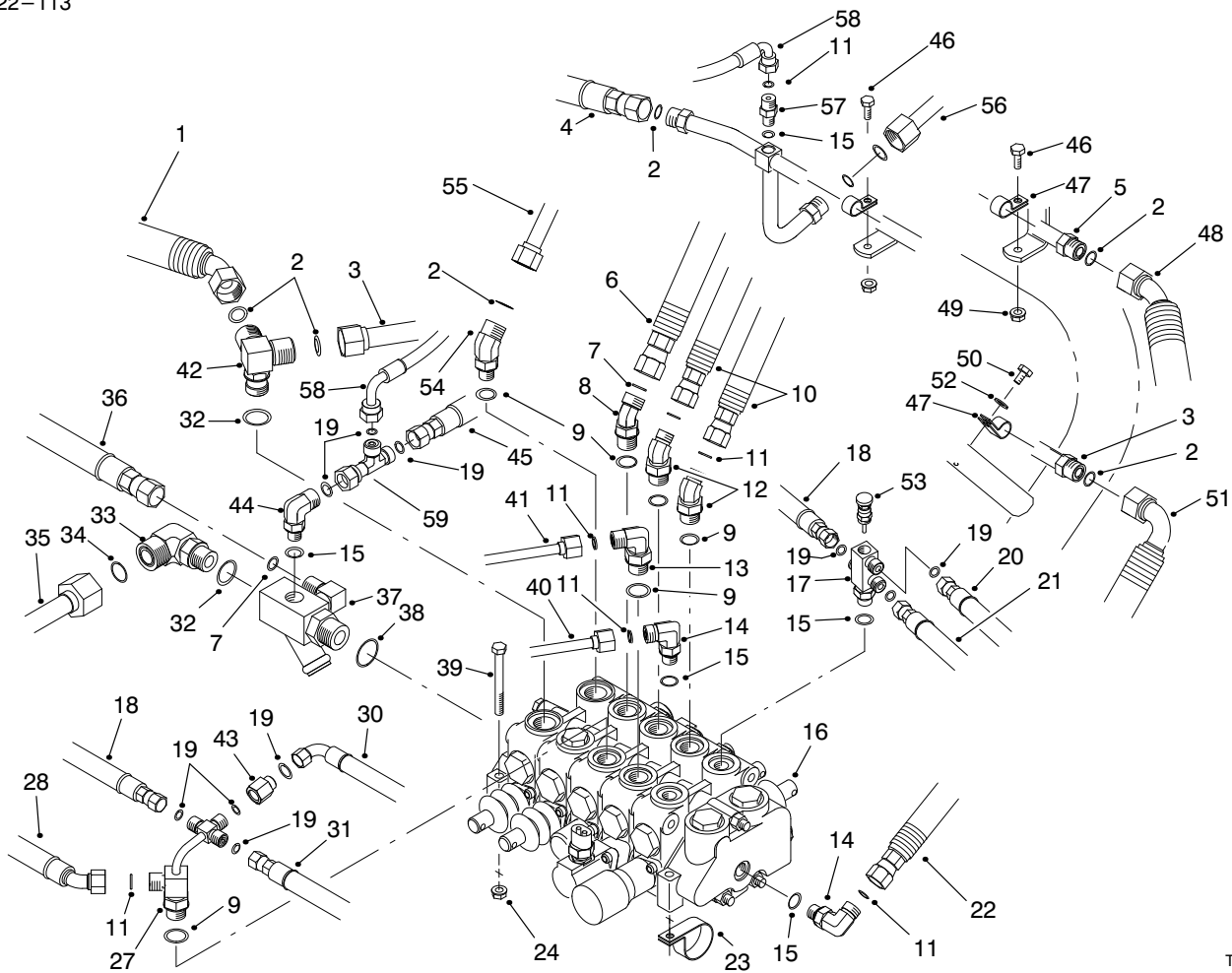
Ref. No.	Part No.	Description	No. Used
25	74-9100	Pad-Forward Pedal	1
26	256-155	Bushing-Flange	2
27	32128-20	Nut-HFH	1
28	32121-45	Pin-Roll	1
29	83-0630	Arm-Traction Pivot	1
30	2411-42	Joint-Ball LH Thread	1
31	3220-20	Nut-Jam LH Thread	1
32	83-0580	Rod-Traction Control	1
33	2411-43	Joint-Ball RH Thread	1
34	17-9420	Screw-Traction Stop	1
35	49-6250	Bracket-Traction Pivot	1
36	322-5	Screw-HH	2
37	49-6290	Shaft-Traction Pivot	1
38	12-3270	Screw-HWH	1
39	32121-6	Pin-Roll	1
40	47-5320	Lever-Control	1
41	3272-6	Pin-Cotter	1
42	49-6440	Pedal-Forward	1
43	32121-51	Pin-Roll	1
44	93-9936	Bracket-Return, Traction	1
45	93-9937	Asm-Cable, Traction	1
46	283-62	Pin-Clevis	1
47	3272-10	Pin-Cotter	1
48	3217-6	Nut-Hex.	1



T-2718-3

CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	98-0647	Hose-Hydraulic	1	21	83-1690	Hose-Hydraulic	1
2	237-65	O-Ring	7	22	98-2150	Hose-Hydraulic	1
3	70-7130	Asm-Tube (Incl. Ref. #2)	1	23	304-61	Clamp-R	1
4	98-2152	Hose-Hydraulic	1	24	32128-20	Nut-HFH	3
5	93-0113	Asm-Tube (Incl. Ref. #2)	1	27	83-1670	Fitting-Special (Incl. Ref. #9, 11 & 19)	1
6	98-2151	Hose-Hydraulic	1	28	95-5986	Hose-Hydraulic	1
7	237-30	O-Ring	2	30	83-1680	Hose-Hydraulic	1
8	340-101	Fitting-Hydraulic 45° (Incl. Ref. #7 & 9)	1	31	63-3850	Hose-Hydraulic	1
9	237-79	O-Ring	5	32	237-80	O-Ring	3
10	98-0649	Hose-Hydraulic	2	33	340-16	Fitting-Hydraulic 90° (Incl. Ref. #32 & 34)	1
11	237-22	O-Ring	7	34	237-58	O-Ring	1
12	340-138	Fitting-Hydraulic 45° (Incl. Ref. #9 & 11)	2	35	63-4040	Tube-Hydraulic	1
13	340-18	Fitting-Hydraulic 90° (Incl. Ref. #9 & 11)	1	36	95-5987	Hose-Hydraulic	1
14	340-77	Fitting-Hydraulic 90° (Incl. Ref. #11 & 15)	2	37	68-5260	Fitting-Manifold Tee (Incl. Ref. #7 & 38)	1
15	237-42	O-Ring	5	38	237-81	O-Ring	1
16	84-2203	Asm-Control Valve	1	39	322-14	Screw-HH	3
17	93-2555	Fitting-Valve Body (Incl. Ref. #15 & 19)	1	40	63-4020	Tube-Hydraulic	1
18	92-9767	Hose-Hydraulic	2	41	63-4030	Tube-Hydraulic	1
19	237-21	O-Ring	6	42	63-4050	Fitting-Tee (Incl. Ref. #2 & 32)	2
20	88-9700	Hose-Hydraulic	1	43	71-0990	Orifice (Incl. Ref. #19)	1
				44	340-82	Fitting-Hydraulic 90° (Incl. Ref. #15 & 19)	1
				45	83-1350	Hose-Hydraulic	1

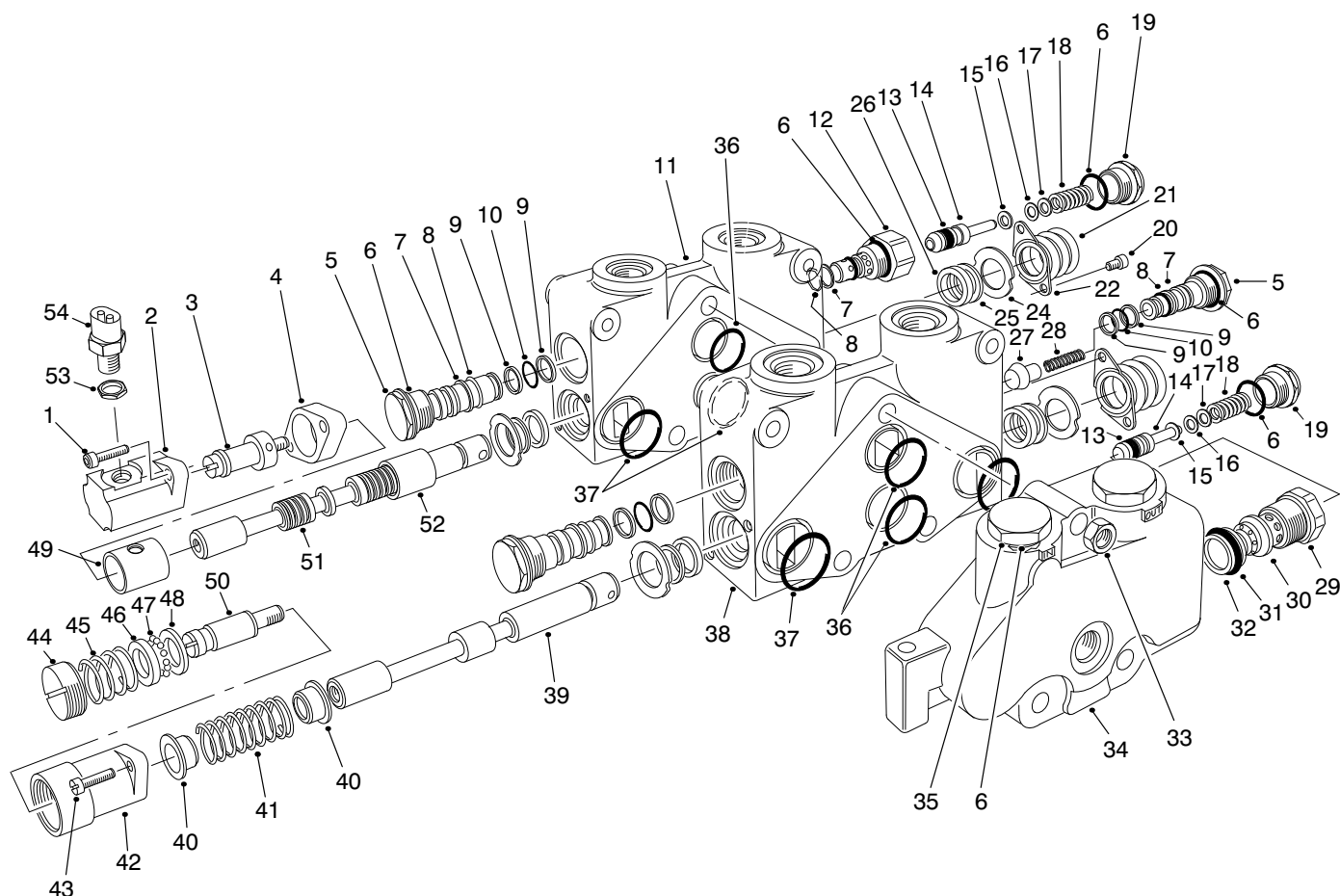


T-2718-3

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
46	3234-4	Screw-HH	2	55	93-0114	Asm-Tube, Rear Top	1
47	2412-41	Clamp-R	4	56	93-0115	Asm-Tube. Rear Bottom	1
48	98-0648	Hose-Hydraulic	1	57	92-9258	Adapter-Valve, Check (Incl. Ref. #11 & 15)	1
49	3296-16	Nut-Lock	2	58	93-0314	Hose-Hydraulic	1
50	12-3270	Screw-Thread Forming	1	59	340-151	Fitting-Tee (Incl. Ref. #19)	1
51	98-2153	Hose-Hydraulic	1	*	93-2556	Asm-Needle Valve (Incl. Ref. #15, 17, 19 & 53)	1
52	3256-22	Washer-Flat	1				
53	93-2554	Valve-Needle	1				
54	340-14	Fitting-Hydraulic 45° (Incl. Ref. #2 & 9)	1				

*Not Illustrated

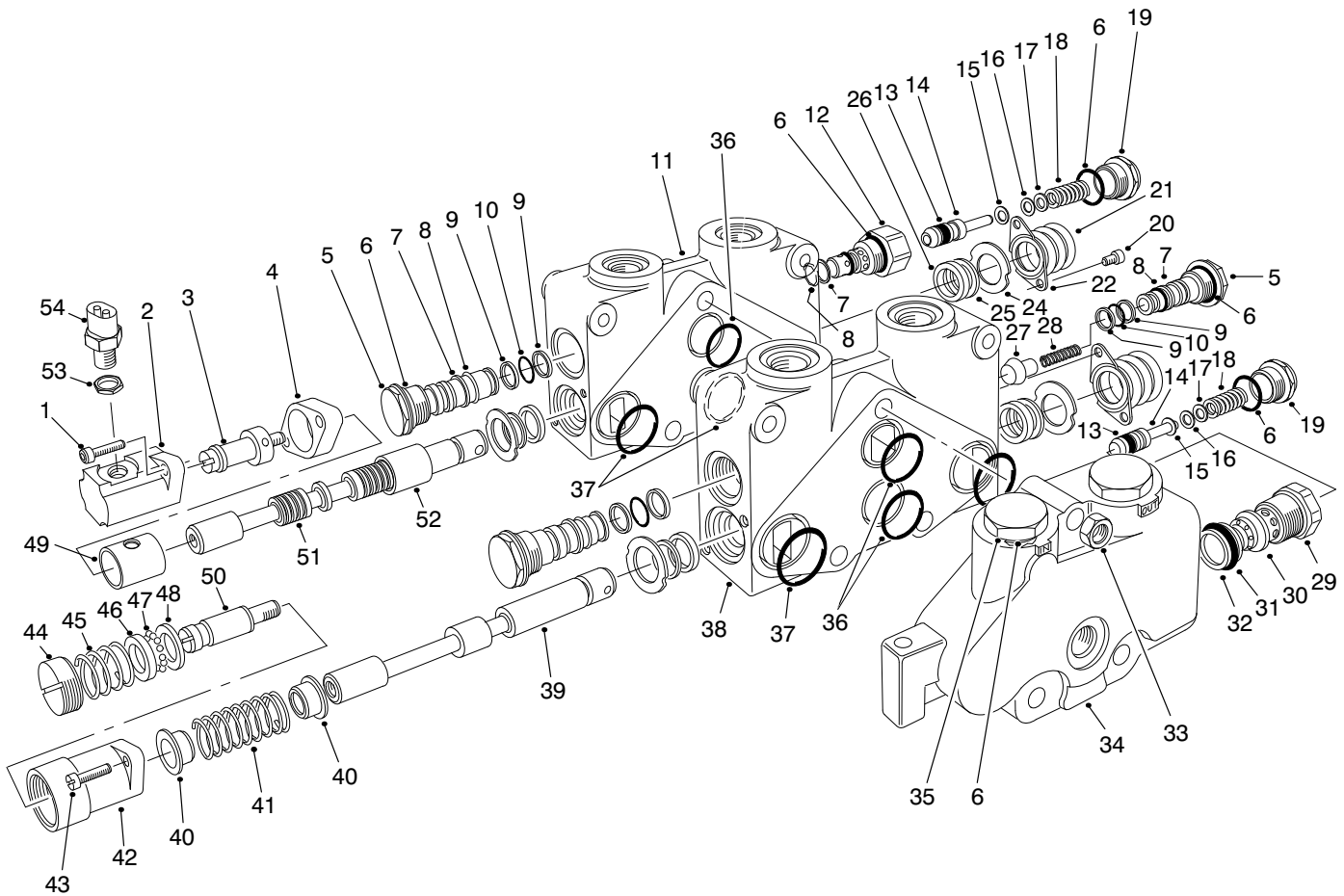


T-1318-4

CONTROL VALVE ASSY. NO. 84-2203 (Sections 1 & 2)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw-Hex, Socket Hd.	2	25	92-2546	Wiper-Seal	4
2	353-727	Bonnet	1	26	353-957	Seal-Lip	4
3	353-729	Spud-Detent	1	27	353-301	Poppet	1
4	353-733	Spacer-Bonnet	1	28	353-304	Spring	1
5	353-481	Plug-Load Check (Incl. Ref. #6-10)	3	29	353-331	O-Ring	1
6	237-54	O-Ring	8	30	353-760	Body Relief	1
7	353-306	Ring-Backup	4	31	353-758	O-Ring	1
8	353-305	O-Ring	4	32	353-952	Ring-Backup	1
9	353-303	Ring-Backup	6	33	3217-7	Nut-Hex	3
10	353-302	O-Ring	3	34	353-772	Left End Cover	1
11		Housing V20T	1	35	353-721	Plug (Incl. Ref. #6)	2
12	353-851	Body-Relief CP-RC Mod.	1	†36		O-Ring	3
13	353-392	Seal-Relief Poppet PTFE	2	†37		O-Ring	4
14	353-531	Asm-Poppet (Incl. Ref. #13)	2	†38		Housing Section #1	1
15	353-328	Washer-Shim	A/R	†39		Spool V20 SPL	1
16	353-329	Washer-Shim	A/R	40	353-417	Collar Spring	2
17	353-330	Washer-Shim	A/R	41	99-6850	Spring-Centering	1
18	353-855	Spring	2	42	99-8181	Bonnet-R. Detent	1
19	353-334	Cap-Relief	2	43	3274-15	Screw-Fillister Hd.	2
20	3274-52	Screw-Hex, Socket Hd.	4	44	353-763	Cap-Adjustment	1
21	353-575	Boot-Dust Cap	2	45	99-1475	Spring-Detent	1
22	93-3651	Retainer-Boot	2	46	42-2680	Race R. Detent	1
24	92-2547	Plate-Seal Retainer	4	47	52-5880	Ball-Steel	12
				48	354-29	Plate-Thrust	1

†Parts Available as Assemblies Listed as (*Not Illustrated) on Following Page



T-1318-4

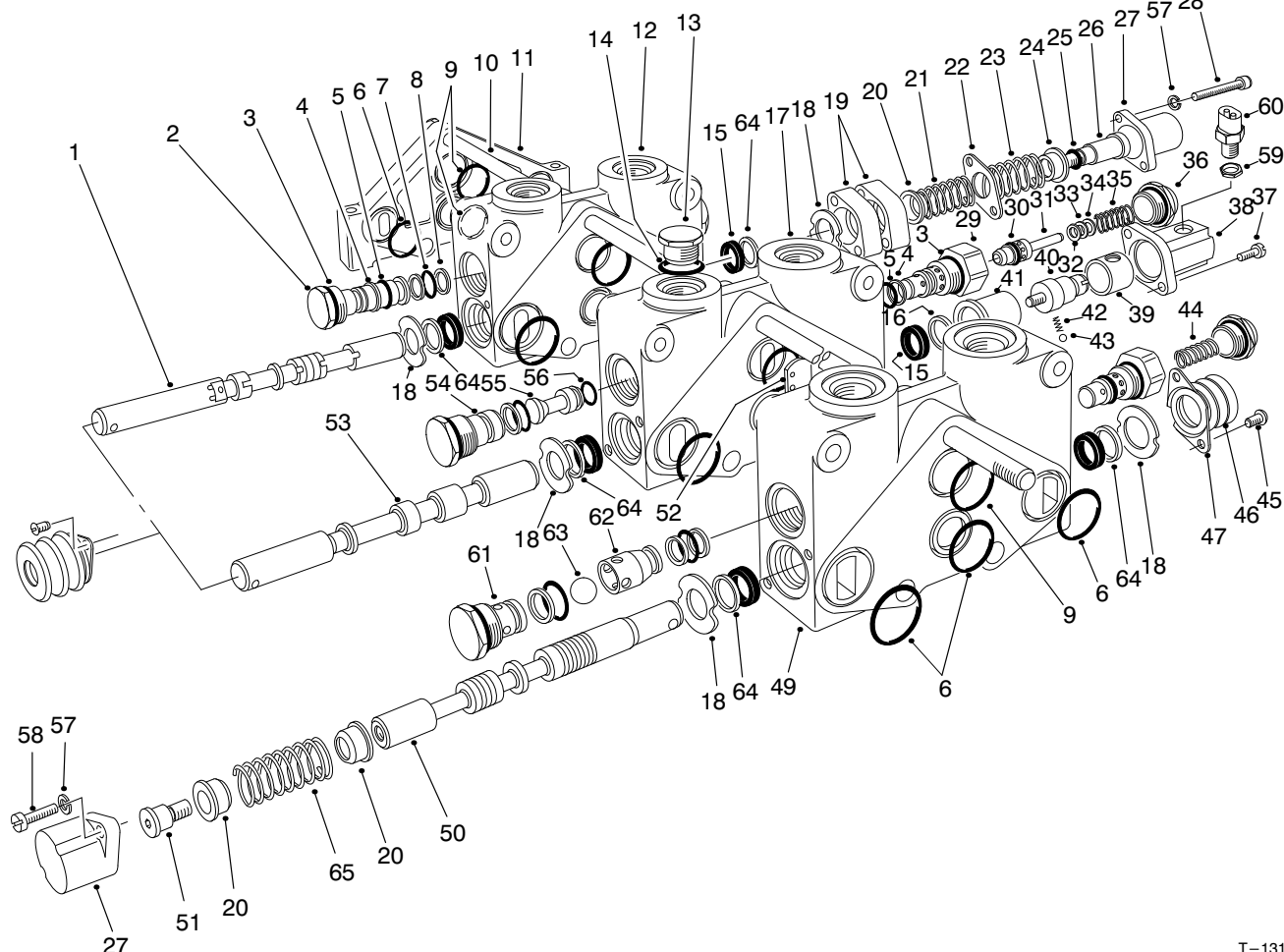
CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
49	353-728	Sleeve	1
50	353-762	Spud-Detent Out	1
†51		Spool V20 3 Way F.F.	1
52	353-732	Sleeve-Detent	1
53	38-0410	Nut-Hex.	1
54	83-1890	Switch-Ball	1
*	353-766	Asm-Relief WH (2000) PSI (Incl. Ref. #6,13-19 & 29-32)	1
*	99-8182	Section #1 Complete	1
*	353-837	Section #2 Complete	1
*	99-8180	Positioner-R. Detent (Out) (Incl. Ref. #40-49)	1

Ref. No.	Part No.	Description	No. Used
*	353-839	Asm-Positioner-DI (SPL) (Incl. Ref. #1-4 & 50)	1
*	353-642	Relief-RC Mod. (Incl. Ref. #6-8 & 12-19)	2
*	93-3652	Asm-Boot-Spool (Incl. Ref. #20-22)	2
*	353-835	Seals-Section Set (Incl. Ref. #36 & 37)	1
*	92-2548	Seal-Spool, Single (Single End Set) (Incl. Ref. #24-26)	1
*	92-2545	Seals-Spool (Entire Valve Set)	1

*Not Illustrated

†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page



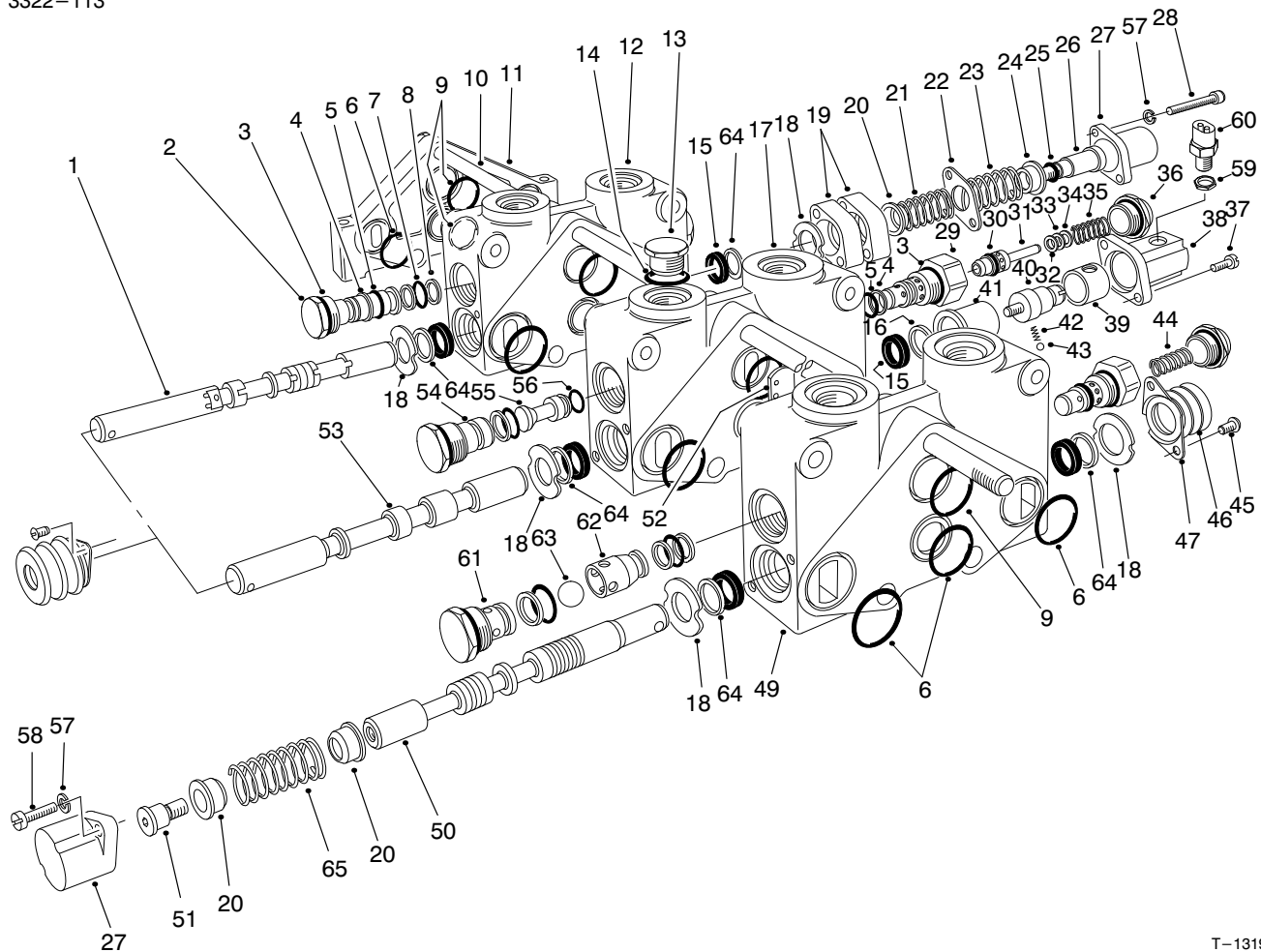
T-1319-4

CONTROL VALVE ASSY. NO. 84-2203 (Sections 3 Thru 5)

Ref. No.	Part No.	Description	No. Used
1	94-5434	Spool #5	1
2	353-481	Plug-Load Check (Incl. Ref. #3-5 & 7-8)	3
3	237-54	O-Ring	6
4	353-306	Ring-Backup	5
5	353-305	O-Ring	5
†6		O-Ring	11
7	353-302	O-Ring	3
8	353-303	Ring-Backup	6
†9		O-Ring	5
10	353-853	Bolt-HH	3
11	353-668	Plate-Cap, Cover RH	1
12		Housing V20 #5	1
13	353-550	Asm-Plug (Incl. Ref. #14)	1
14	353-848	O-Ring	1
15	353-957	Seal-Lip	6
16	353-958	Ring-Backup	1
†17		Housing V20 #4	1
18	92-2547	Plate-Seal Retainer	5
19	353-733	Spacer-Bonnet	2
20	353-417	Collar Spring	3
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	92-3148	Spring	1

Ref. No.	Part No.	Description	No. Used
24	353-808	Collar-Spring	1
25	353-830	O-Ring	1
26	94-4248	Collar Spool	1
27	99-6895	Bonnet	2
28	354-28	Screw-Hex, Socket Hd.	2
29	353-851	Body-Relief CP-RC Mod.	2
30	353-392	Seal-Relief Poppet PTFE	2
31	353-531	Asm-Poppet (Incl. Ref. #30)	2
32	353-328	Washer-Shim	A/R
33	353-329	Washer-Shim	A/R
34	353-330	Washer-Shim	A/R
35	353-398	Spring	1
36	353-334	Cap-Relief	2
37	52-5900	Screw-Fillister Hd.	4
38	353-847	Bonnet (SPL)	1
39	353-849	Sleeve	1
40	353-846	Spud-DI (SPL)	1
41	353-845	Sleeve-Detent	1
42	353-730	Spring	1
43	353-731	Ball	1
44	353-855	Spring	1
45	3274-52	Screw-Hex. Socket Hd.	6
46	353-575	Boot-Dust Cap	3
47	93-3651	Retainer-Boot	3

†Parts Available as Assemblies Listed as (*Not Illustrated) on Following Page



T-1319-4

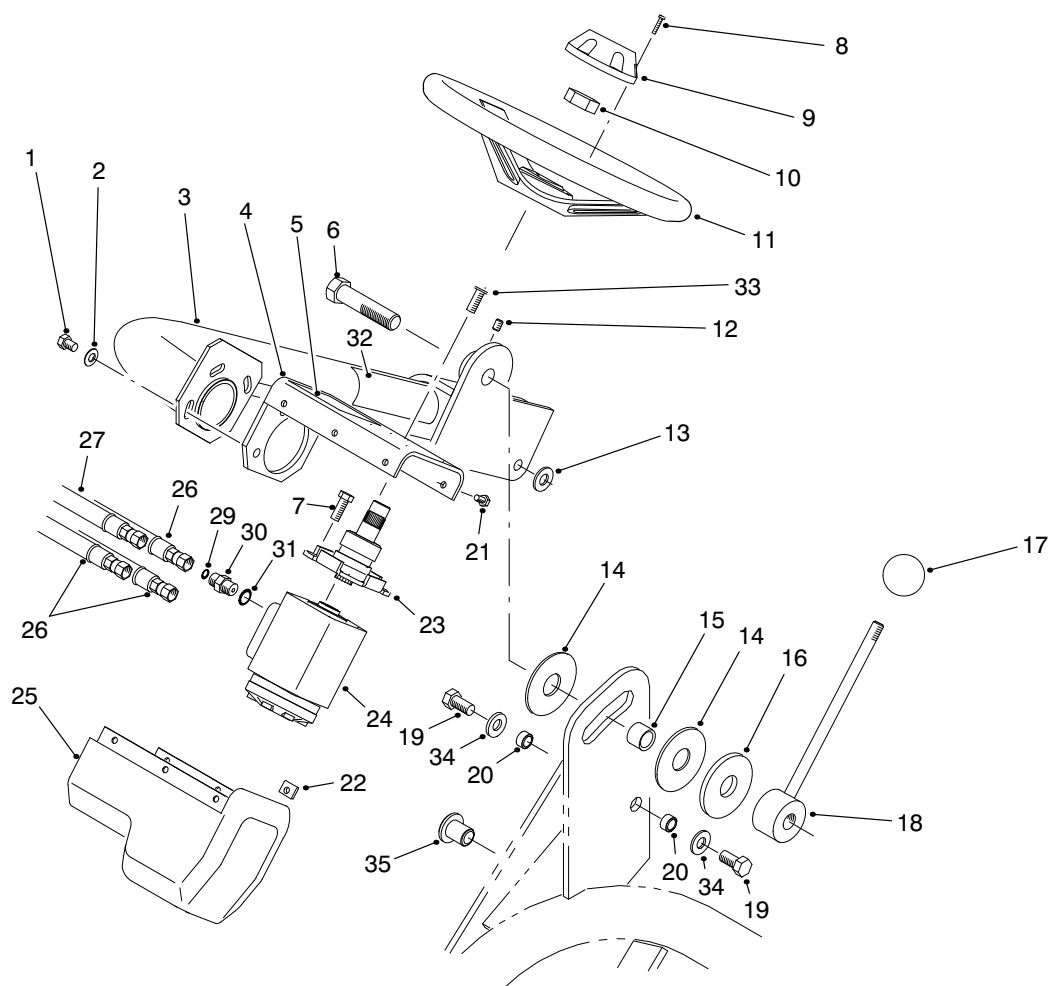
CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used
49		Housing V20 #2	1
†50		Spool V20 3 Way F.F.	1
51	52-5860	Collar-Spool	1
52	354-122	Disc-Seal	1
†53		Spool #4	1
54	353-953	Asm-Plug	1
55	353-844	Plus Series (Incl. Ref. #56)	1
56	353-850	O-Ring	1
57	3253-3	Washer-Lock	4
58	3274-84	Screw-HSH	4
59	38-0410	Nut-Hex.	1
60	83-1890	Switch-Ball	1
61	353-483	Body-Anticavitation	1
62	353-484	Retainer-Ball	1
63	353-737	Ball	1
64	92-2546	Wiper-Seal	5
65	99-6850	Spring-Centering	1
*	354-129	Asm-Anticavitation Check (Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1
*	353-835	Seals-Section Set (Incl. Ref. #6 & 9)	1
*	93-3652	Asm-Boot-Spool (Incl. Ref. #45-47)	3

Ref. No.	Part No.	Description	No. Used
*	99-8183	Asm-Section #3 (Complete)	1
*	354-25	Asm-Section #4 (Complete)	1
*	93-1386	Asm-Section #5 (Complete)	1
*	353-841	Asm-Position, Spool (Incl. Ref. #20 27 37 & 51)	1
*	353-840	Asm-Position-DI (SP) (Incl. Ref. #37-43)	1
*	353-642	Asm-Relief-RC Mod. (Incl. Ref. #3-5 & 29-36)	1
*	353-833	Asm-Positioner (Incl. Ref. #19-28)	1
*	84-2203	Asm-Control Valve Complete	1
*	92-2548	Seal-Spool, Single (End Set) (Incl. Ref. #15, 18 & 64)	1
*	92-2549	Seals-Spool (End Set #4 Rear Only) (Incl. Ref. #15, 16 & 18)	1
*	92-2545	Seals-Spool (Entire Valve Set)	1

*Not Illustrated

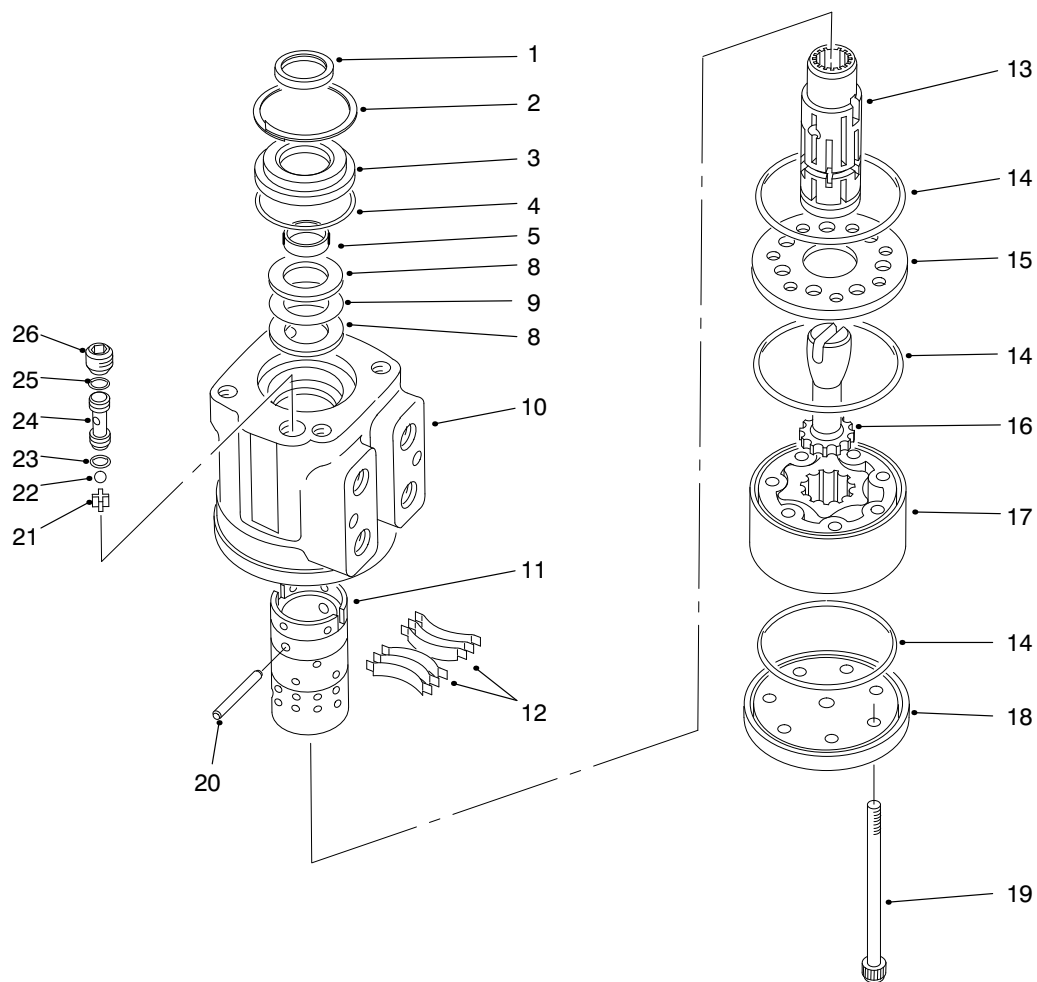
†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page



T-1291B

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-80	Screw-HH	3	19	325-4	Screw-HH	2
2	3256-80	Washer-Flat	3	20	47-2890	Bushing-Sleeve	2
3	83-0650	Arm-Steering	1	21	3274-39	Screw-HH	6
4	83-0780	Support-Steering Valve	1	22	3290-277	Nut-Speed	6
5	93-8063	Decal-Warning	1	23	83-1420	Column-Steering	1
5	83-2520	Decal-Warning (Japanese)	1	24	92-8690	Asm-Steering-Valve	1
6	83-0750	Screw-HH LH	1	25	83-0810	Cover-Steering Valve	1
7	323-4	Screw-HH	2	26	83-1350	Hose-Hydraulic	3
8	32144-21	Screw-Round Hd.	2	27	83-1360	Hose-Hydraulic	1
9	68-5140	Cap-Steering Wheel	1	29	237-21	O-Ring	4
10	47-6990	Nut-Steering Wheel	1	30	340-1	Fitting-Hydraulic Straight (Incl. Ref. #29 & 31)	4
11	68-5130	Asm-Steering Wheel (Incl. Ref. #8 & 9)	1	31	237-42	O-Ring	4
12	3246-3	Screw-Set	1	32	93-8068	Decal-Steering Arm	1
13	65-6390	Washer-Thrust	1	32	83-2510	Decal-Steering Arm (Japanese)	1
14	83-0740	Disc-Friction	2	33	3274-63	Screw-HSH	2
15	83-0730	Spacer-Lockup	1	34	3256-26	Washer-Flat	2
16	83-0760	Plate-Lockup	1	35	83-1700	Bushing-Flange	1
17	233-48	Knob	1				
18	83-0700	Handle-Lockup	1				



T-1442-2

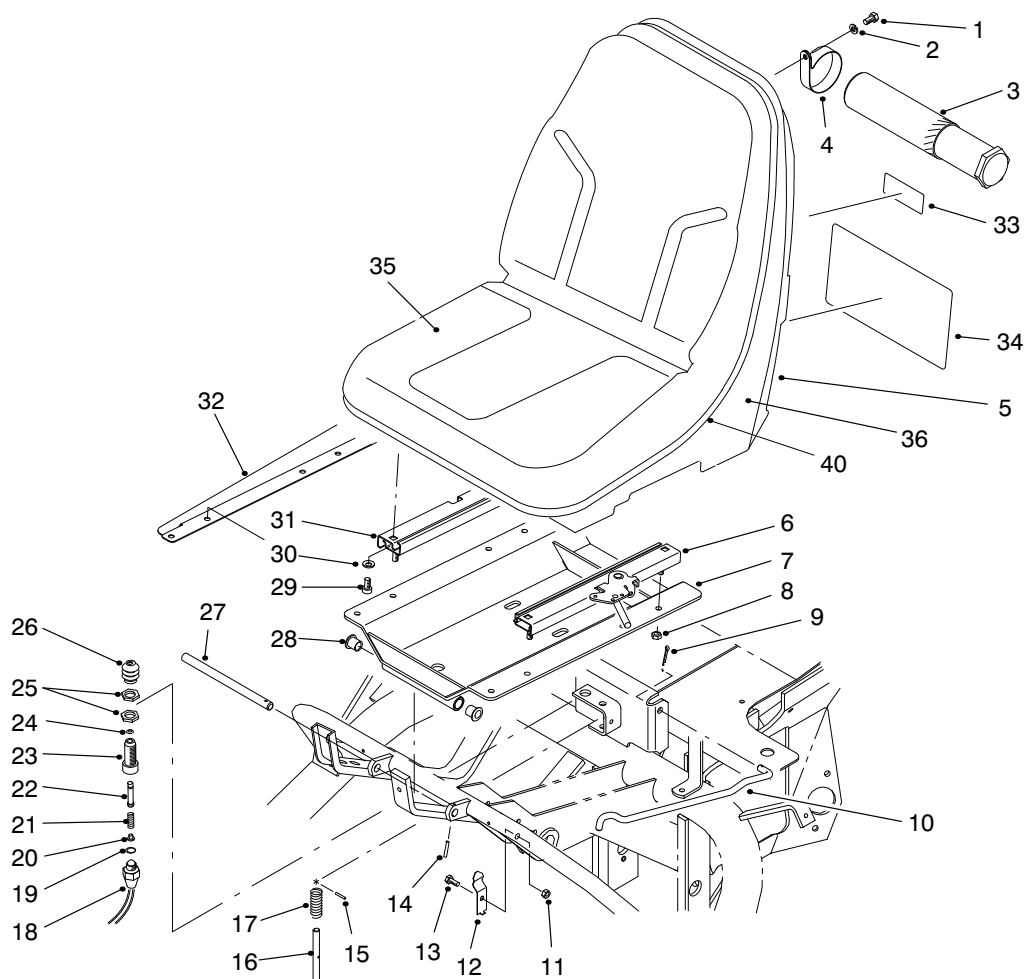
POWER STEERING VALVE NO. 92-8690

Ref. No.	Part No.	Description	No. Used
†1		Seal-Dust	1
2	52-9230	Ring-Retaining	1
3	92-8691	Bushing-Seal Gland	1
†4		O-Ring	1
†5		Seal-One Piece	1
8	59-6730	Race-Bearing	2
9	59-6740	Bearing-Needle Thrust	1
†10		Housing	1
†11		Sleeve-Control	1
12	83-1860	Kit-Centering Spring	1
†13		Spool-Control	1
†14		O-Ring	3
15	92-8697	Plate-Wear	1
16	70-8250	Drive	1
17	83-1870	Gerotor	1
18	67-8113	Cap-End	1

Ref. No.	Part No.	Description	No. Used
19	92-8696	Screw-Torx Hd.	7
20	59-6830	Kit-Centering Pin	1
21	52-9290	Retainer-Ball Check	1
22	52-9280	Ball-Check	1
†23		O-Ring	1
24	52-9270	Seat-Ball Check	1
†25		O-Ring	1
26	52-9260	Screw-Set	1
*	52-9250	Kit-Needle Bearing (Incl. Ref. #8-9)	1
*	83-1880	Asm-Control Parts (Incl. Ref. #10-13 & 20)	1
*	92-8695	Kit-Seal (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

*Not Illustrated

†Not Serviced Separately

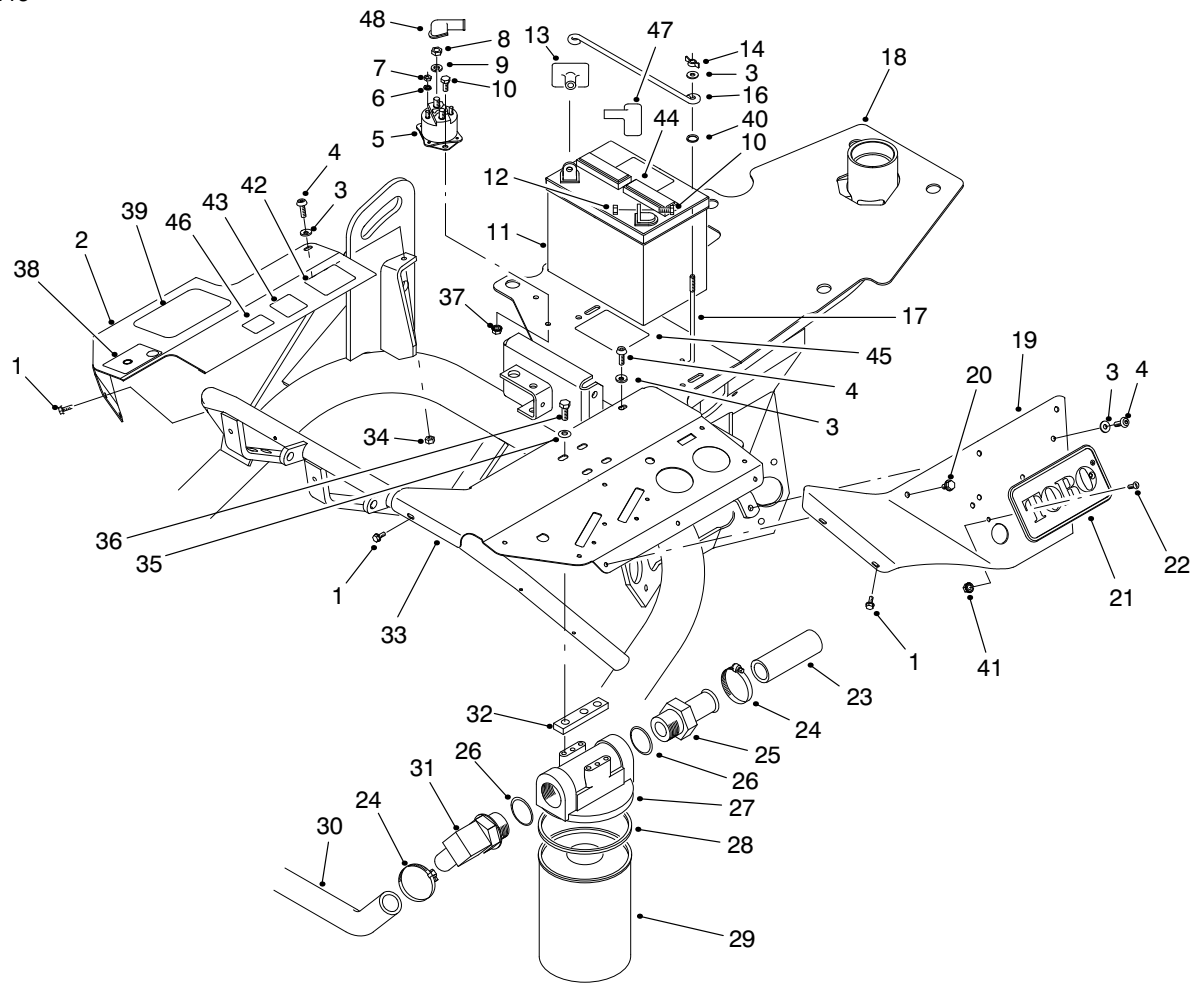


T-1290A

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw-HH	2	26	43-8870	Boot-Switch	1
2	3253-4	Washer-Lock	2	27	49-5880	Shaft-Seat Support	1
3	74-0720	Tube-Manual	1	28	256-155	Bushing-Flange	2
4	2412-133	Clamp-R	2	29	3274-12	Screw-HSH	4
5	92-1180	Asm-Seat (Incl. Ref. #35, 36 & 40)	1	30	3256-23	Washer-Flat	4
6	51-0790	Adjuster-Seat	1	31	51-0780	Slider-Seat	1
7	83-1270	Asm-Seat Support (Incl. Ref. #28)	1	32	83-1840	Cover-RH	1
8	3296-29	Nut-Lock	4	33	93-8067	Decal-Oil	1
9	3272-11	Pin-Cotter	1	33	84-3180	Decal-Oil (Japanese)	1
10	68-5100	Rod-Seat Prop	1	34	94-8036	Decal-Service	1
11	3296-16	Nut-Lock	1	34	84-9240	Decal-Service (Spanish)	1
12	68-5310	Clip-Seat Rod	1	34	84-9250	Decal-Service (French)	1
13	321-3	Screw-HH	1	34	84-9260	Decal-Service (German)	1
14	32121-45	Pin-Roll	1	34	84-9270	Decal-Service (Swedish)	1
15	3284-3	Pin-Groove	1	34	84-9280	Decal-Service (Italian)	1
16	51-0350	Pin-Seat Spring	1	34	93-7257	Decal-Service (Portuguese)	1
17	3-6685	Spring-Compression	1	34	93-7258	Decal-Service (Norwegian)	1
18	72-4320	Switch-Ball	1	34	93-7259	Decal-Service (Finnish)	1
19	237-30	O-Ring	1	34	93-7260	Decal-Service (Danish)	1
20	43-8610	Seat-Ball	1	34	93-7261	Decal-Service (Dutch)	1
21	43-8600	Spring-Compression	1	34	83-2490	Decal-Service (Japanese)	1
22	43-8860	Plunger-Switch	1	35	92-6533	Kit-Cushion	1
23	43-8620	Guide-Switch	1	36	92-6534	Shell	1
24	237-7	O-Ring	1	40	351-78	Edging	1
25	218-461	Nut-Hex.	2	*	43-9071	Asm-Seat Switch (Incl. Ref. #18-26)	1

*Not Illustrated

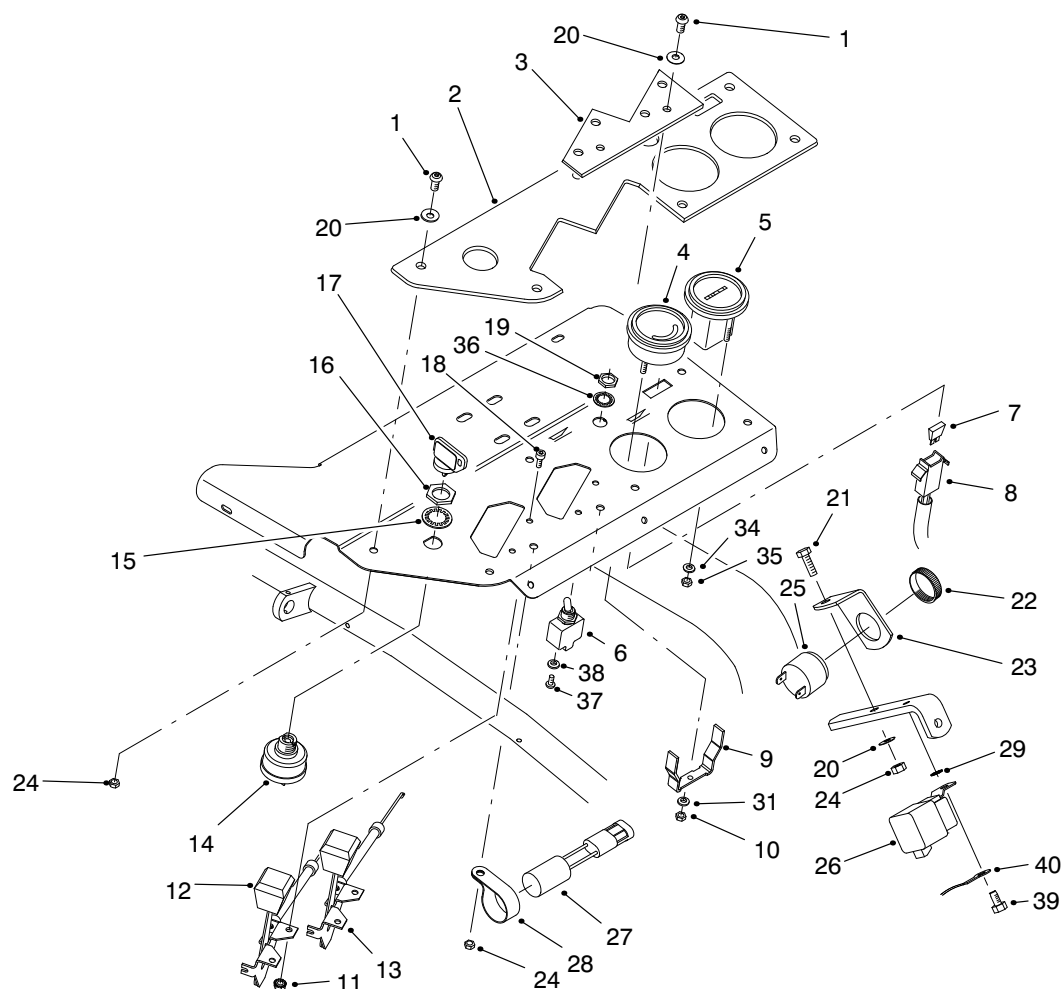


T-1295B

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw-Self Tapping	5
2	94-2694	Cover-RH	1
3	3256-22	Washer-Flat	5
4	3274-91	Screw-HSH	3
5	28-4210	Solenoid-Starter	1
6	3254-1	Washer-Lock	2
7	3219-14	Nut-Hex.	2
8	3218-13	Nut-Jam	2
9	3253-4	Washer-Lock	2
10	321-3	Screw-HH	4
11	28-1400	Battery	1
12	3217-5	Nut-Hex.	2
13	28-8080	Boot Terminal (Red)	1
14	32103-12	Nut-Wing	2
16	72-4790	Hold-Down-Battery	1
17	56-7720	Bolt-Battery	2
18	92-9164	Asm-Frame	1
19	83-0840	Fender-LH	1
20	46-8560	Screw-Self Taping	3
21	61-3310	Plate-Logo	1
22	3290-470	Screw	2
23	83-1430	Hose-Hydraulic	1
24	2412-34	Clamp-Hose	3
25	353-563	Fitting-Hydraulic Straight (Incl. Ref. #26)	1
26	237-101	O-Ring	2

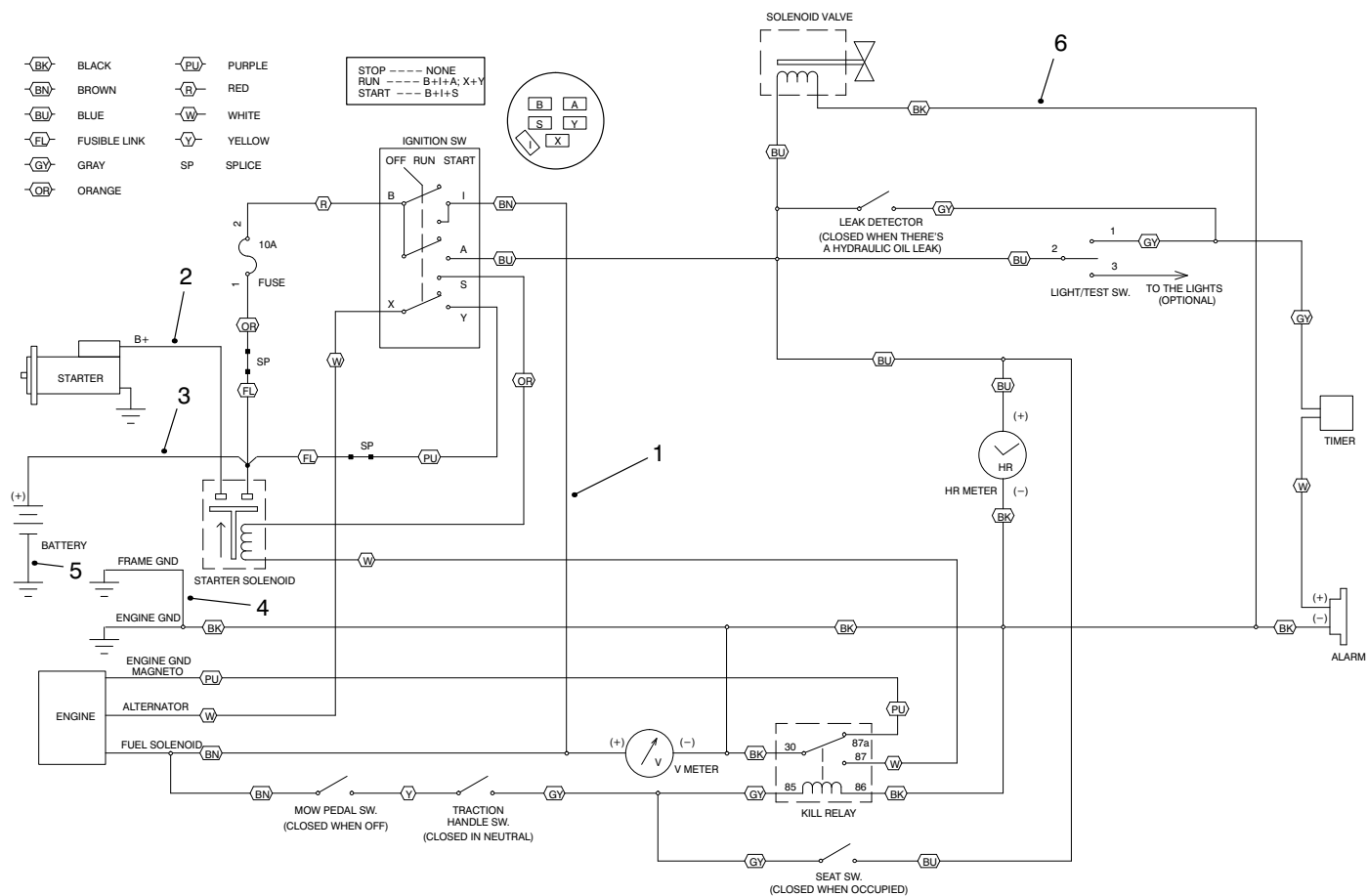
Ref. No.	Part No.	Description	No. Used
27	44-5560	Head-Oil Filter	1
28	72-3850	Seal-Filter	1
29	74-3570	Filter-Hydraulic Oil (Incl. Ref. #28)	1
30	68-5880	Hose-Hydraulic	1
31	353-564	Fitting-Hydraulic 90° (Incl. Ref. #26)	1
32	27-2380	Spacer	2
33	83-0830	Panel-Control Upper	1
34	3296-16	Nut-Lock	3
35	3256-23	Washer-Flat	4
36	322-4	Screw-HH	4
37	32149-2	Nut-Lock	2
38	93-8065	Decal-Traction	1
38	83-2540	Decal-Traction (Japanese)	1
39	67-1300	Decal-TORO	1
40	237-143	Grommet	2
41	32149-7	Nut-Lock	2
42	92-5524	Decal-Noise	1
43	63-9920	Decal-EEC	1
44	93-7276	Decal-Danger	1
45	93-6668	Decal-Danger	1
46	93-7252	Decal-CE Mark	1
47	98-0603	Boot-Terminal (Black)	1
48	83-2430	Boot-Terminal	1



T-1296-6

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-69	Screw-HSH	8	19	218-498	Nut-Hex.	2
2	93-8061	Plate-Control	1	20	3256-1	Washer-Flat	9
2	83-2570	Plate-Control (Japanese)	1	21	321-5	Screw-HH	1
3	83-2030	Plate-Filler	1	22		Retainer-Alarm	1
4	98-2160	Gauge-Voltmeter		23	83-1530	Bracket-Alarm	1
		(Incl. Ref. #9-10 & 31)	1	24	3296-16	Nut-Lock	9
5	66-2950	Gauge-Hourmeter		25	98-2159	Asm-Audio Alarm	
		(Incl. Ref. #34 & 35)	1			(Incl. Ref. #22)	1
6	83-1660	Asm-Switch		26	70-1480	Relay	1
		(Incl. Ref. #19 & 36-38)	1	27	83-2280	Timer-Relay	1
7	218-578	Fuse-10 Amp	1	28	2412-39	Clamp-R	1
8	98-2163	Harness-Wire (Main)	1	29	3255-7	Washer-Lock	1
9	78-0080	Clamp-Mounting	1	31	3255-25	Washer-Lock	2
10	3217-27	Nut-Hex.	2	34	3255-20	Washer-Lock	2
11	3296-27	Nut-Lock	4	35	3217-25	Nut-Hex.	2
12	83-0030	Control-Throttle	1	36	218-589	Washer-Lock	1
13	83-0040	Control-Choke	1	37	218-588	Screw	3
14	88-9830	Asm-Ignition Switch		38	3253-19	Washer-Lock	3
		(Incl. Ref. #15-16)	1	39	32104-95	Screw-HH	1
15	3254-5	Washer-Lock	2	40	98-2165	Cable-Negative	1
16	218-461	Nut-Hex.	2				
17	63-8360	Key-Ignition	1				
18	3273-26	Screw-HSH	4				

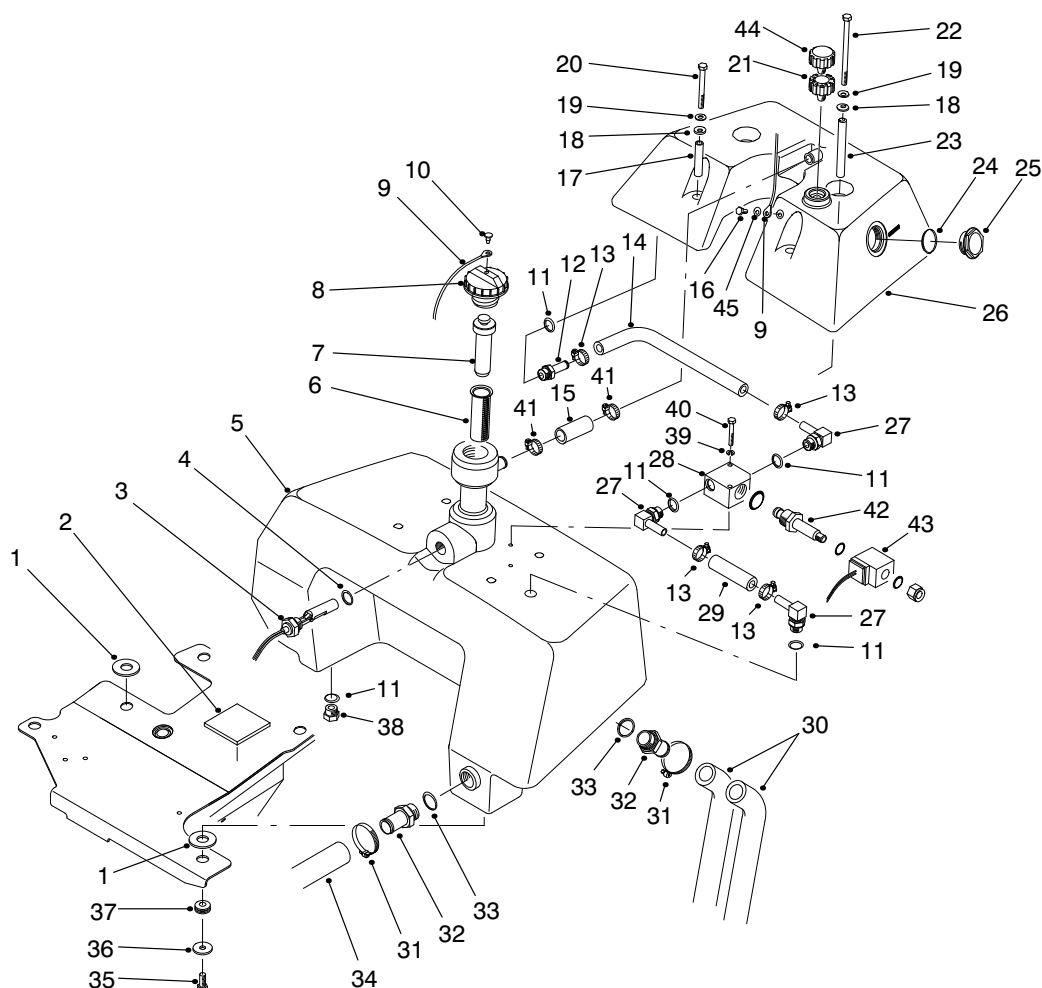


T-2804-4

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	98-2163	Harness-Wire (Main)	1
2	98-2161	Asm-Wire	1
3	83-2420	Cable-Positive	1

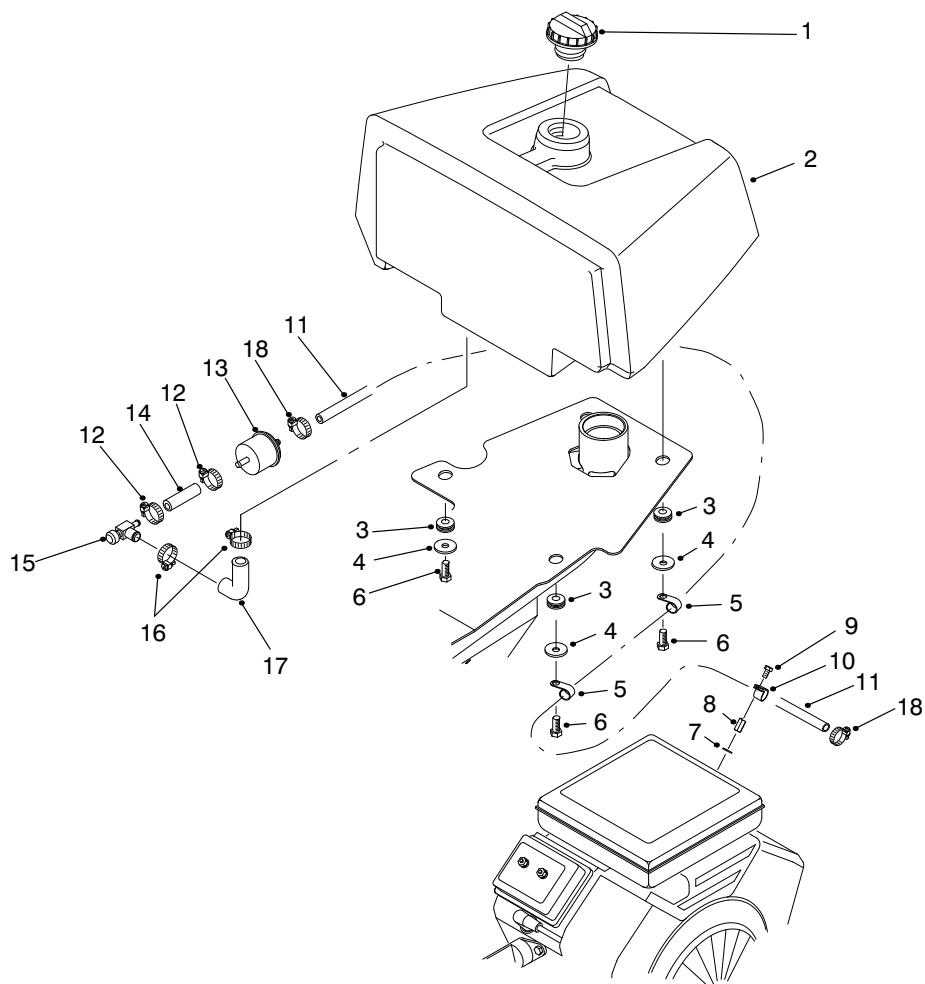
Ref. No.	Part No.	Description	No. Used
4	83-1150	Wire-Engine Ground	1
5	98-2165	Cable-Negative	1
6	98-2162	Harness-Leak Detector	1



T-1289A

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	83-2400	Spacer-Tank	2	25	83-2250	Gauge-Sight (Incl. Ref. #24)	1
2	83-2390	Pad-Tank	1	26	83-2100	Tank-Auxiliary Hydraulic	1
3	83-1450	Sensor-Oil Level	1	27	354-120	Fitting-Hydraulic 90° (Incl. Ref. #11)	3
4	237-80	O-Ring	1	28	83-1460	Asm-Solenoid Valve (Incl. Ref. #42 & 43)	1
5	92-8966	Reservoir-Hydraulic	1	29	83-2080	Hose-Valve-Tank	1
6	83-1520	Screen-Filler	1	30	83-0910	Hose-Hydraulic	2
7	92-4063	Plug-Filler Cap	1	31	2412-34	Clamp-Hose	3
8	93-7160	Cap-Hydraulic Reservoir (Incl. Ref. #9 & 10)	1	32	83-0870	Fitting-Hydraulic Straight (Incl. Ref. #33)	3
9	75-0540	Tether-Cap	1	33	237-177	O-Ring	3
10	2410-73	Retainer-Tether	1	34	83-1430	Hose-Hydraulic	1
11	237-79	O-Ring	5	35	323-6	Screw-HH	3
12	354-121	Fitting-Hydraulic Straight (Incl. Ref. #11)	1	36	63-8410	Washer-Flat	3
13	2412-36	Clamp-Hose	4	37	240-11	Grommet	3
14	83-2070	Hose-Valve	1	38	353-550	Plug-Hydraulic (Incl. Ref. #11)	1
15	83-2090	Hose-Overflow	1	39	3253-3	Washer-Lock	2
16	321-2	Screw-HH	1	40	321-11	Screw-HH	2
17	83-1550	Spacer-Tank (Short)	2	41	2412-141	Clamp-Hose	2
18	83-1470	Washer-Neoprene	4	42	83-2000	Spool-Valve	1
19	3256-71	Washer-Flat	4	43	83-2010	Coil-Valve	1
20	322-14	Screw-HH	2	44	68-6150	Breather	1
21	92-8020	Adapter-Breather	1	45	3256-22	Washer-Flat	1
22	322-29	Screw-HH	2				
23	83-1560	Spacer-Tank (Long)	2				
24	237-123	O-Ring	1				



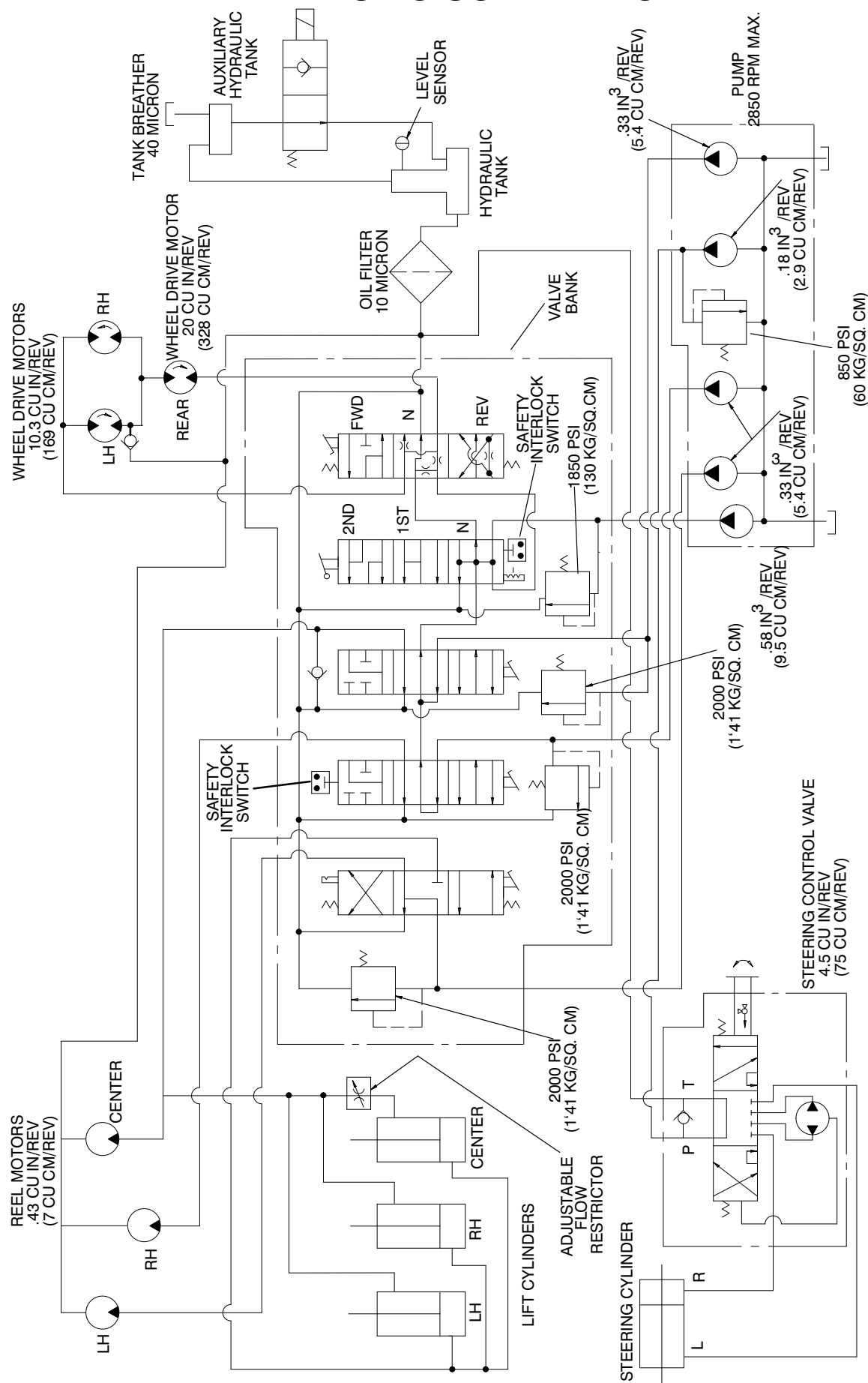
T-1317-3

FUEL TANK ASSEMBLY

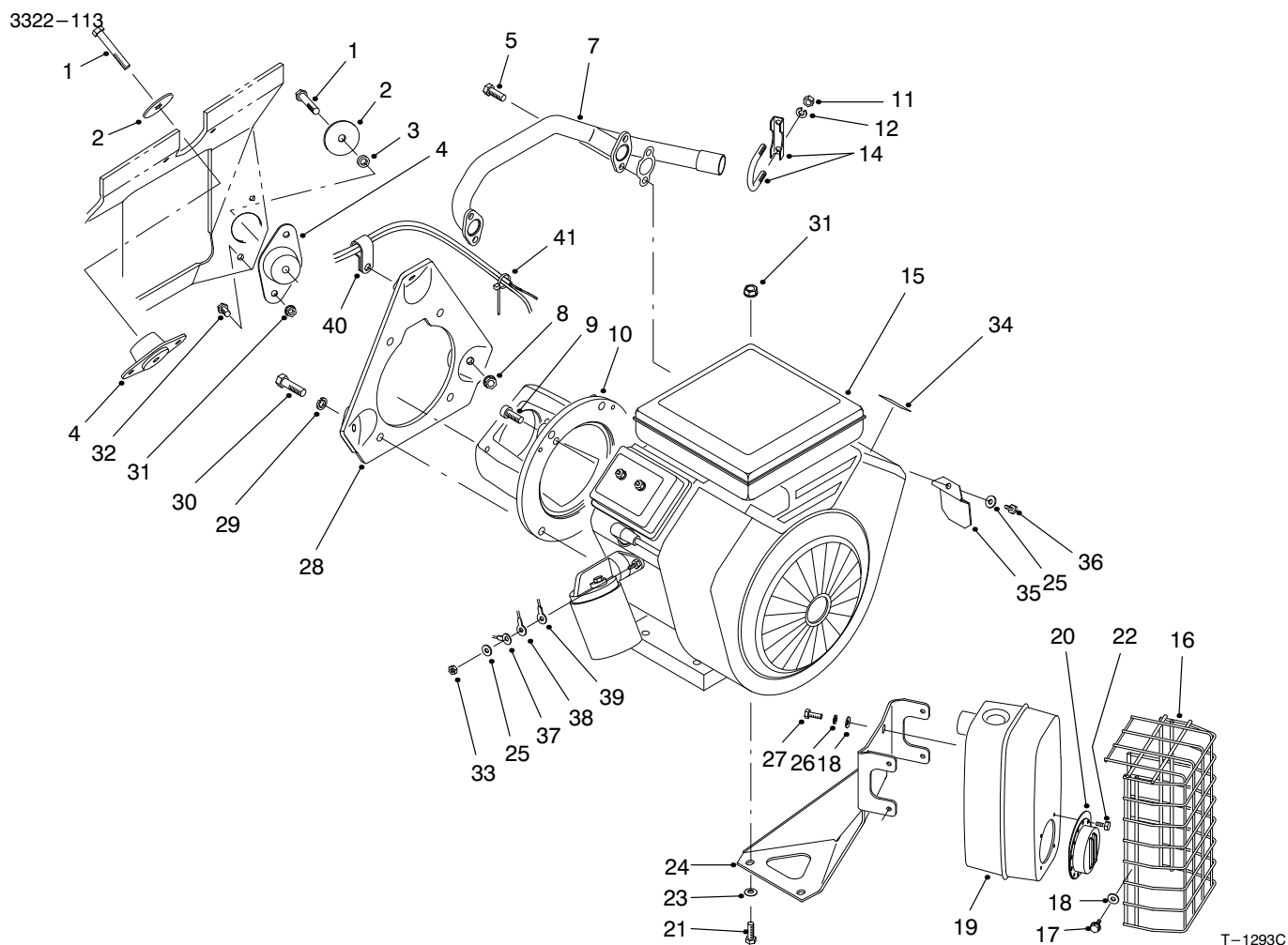
Ref. No.	Part No.	Description	No. Used
1	93-7170	Cap-Fuel	1
2	92-7189	Tank-Fuel	1
3	240-11	Grommet	4
4	63-8410	Washer-Flat	4
5	2412-41	Clamp-R	3
6	323-6	Screw-HH	3
7	3256-63	Washer-Flat	1
8	83-2200	Nut-Special	1
9	33113-012	Screw-HH	1

Ref. No.	Part No.	Description	No. Used
10	2412-94	Clamp-R	1
11	93-0116	Hose-Fuel	1
12	2412-108	Clamp-Hose	2
13	94-2690	Asm-Filter, Fuel	1
14	83-2040	Hose-Fuel	1
15	83-1390	Fitting-Fuel Shut-Off	1
16	2412-36	Clamp-Hose	2
17	93-0117	Hose-Fuel	1
18	2412-98	Clamp-Hose	2

HYDRAULIC SCHEMATIC



T-1840C

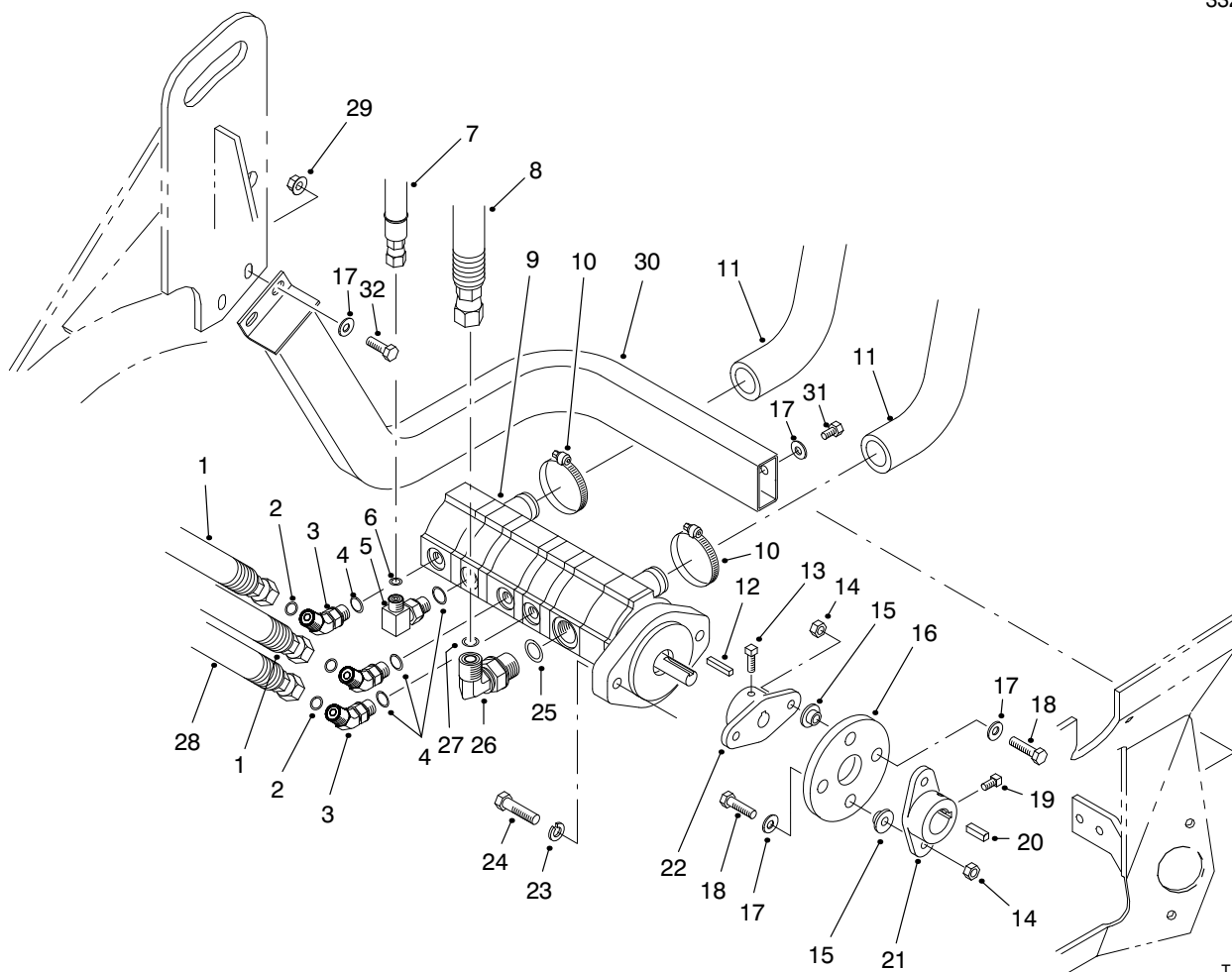


ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-12	Screw-HH	3
2	83-1040	Washer-Mount	3
3	83-1050	Spacer-Mount	2
4	83-1030	Mount-Engine	3
5		Screw-HH	4
7	83-1080	Pipe-Exhaust	1
8	3290-357	Nut-HFH	3
9	3274-7	Screw-HSH	2
10	83-1060	Adapter-Pump	1
11		Nut-Hex.	2
12		Washer-Lock	2
14	2112-11	Clamp-Muffler (Incl. Ref. #11 & 12)	1
15	98-0636	Asm-Engine (Incl. Ref. #5)	1
16	83-1400	Shield-Muffler	1
17	12-3270	Screw-HWH	4
	3256-1	Washer-Flat	8
19	98-0616	Muffler	1
*	83-2240	Arrestor-Spark (Optional)	1
20	83-2220	Deflector-Exhaust	1

Ref. No.	Part No.	Description	No. Used
21	322-8	Screw-HH	2
22	83-2230	Screw-HH	4
23	3256-23	Washer-Flat	2
24	83-1630	Bracket-Muffler Support	1
25	43-5930	Washer-Lock	2
26	3253-3	Washer-Lock	4
27	49-2040	Screw-HH	4
28	85-8120	Plate-Engine Mount	1
29	3253-6	Washer-Lock	4
30	324-7	Screw-HH	4
31	32128-20	Nut-Flange Lock	8
32	322-3	Screw-HH	6
33	43-2830	Nut-Hex	1
34	93-8069	Decal-Warning	1
34	83-2560	Decal-Warning (Japanese)	1
35	83-2310	Shield	1
36	33113-016	Screw-HH	1
37	98-2163	Harness-Wire (Main)	1
38	83-1150	Wire-Engine Ground	1
39	98-2165	Cable-Negative	1
40	2412-81	Clamp-R	1
41	3290-378	Tie-Cable	1

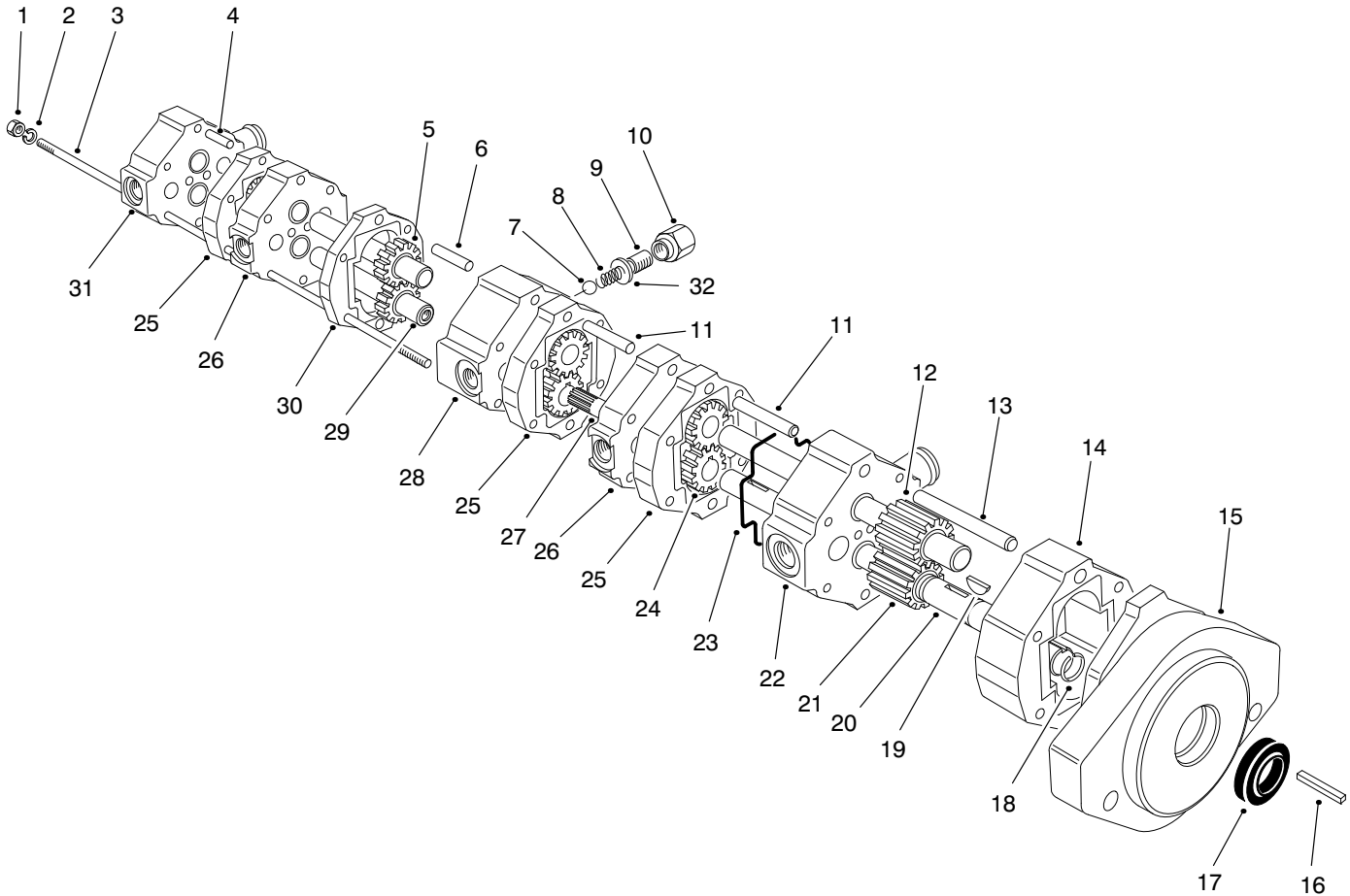
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T-1292-2

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	98-0649	Hose-Hydraulic	2	16	44-2230	Coupling-Rubber	1
2	237-22	O-Ring	3	17	3256-23	Washer-Flat	8
3	340-87	Fitting-Hydraulic 45° (Incl. Ref. #2 & 4)	3	18	322-6	Screw-HH	4
4	237-42	O-Ring	4	19	3241-2	Screw-Set Square Hd.	2
5	340-82	Fitting-Hydraulic 90° (Incl. Ref. #4 & 6)	1	20	10-7070	Key-Square	1
6	237-21	O-Ring	1	21	27-1960	Hub-Engine	1
7	83-1350	Hose-Hydraulic	1	22	27-1970	Hub-Pump	1
8	98-2151	Hose-Hydraulic	1	23	3253-21	Washer-Lock	2
9	92-9764	Asm-Hydraulic Pump (Incl. Ref. #12)	1	24	323-8	Screw-HH	2
10	2412-34	Clamp-Hose	2	25	237-80	O-Ring	1
11	83-0910	Hose-Pump	2	26	340-105	Fitting-Hydraulic 90° (Incl. Ref. #25 & 27)	1
12	5-0946	Key-Square	1	27	237-30	O-Ring	1
13	3241-6	Screw-Set Square Hd.	2	28	98-2150	Hose-Hydraulic	1
14	3296-29	Nut-Lock	4	29	32128-20	Nut-HFH	2
15	27-6600	Spacer-Coupling	4	30	83-1940	Guard-Pump	1
				31	322-1	Screw-HH	2
				32	322-4	Screw-HH	2

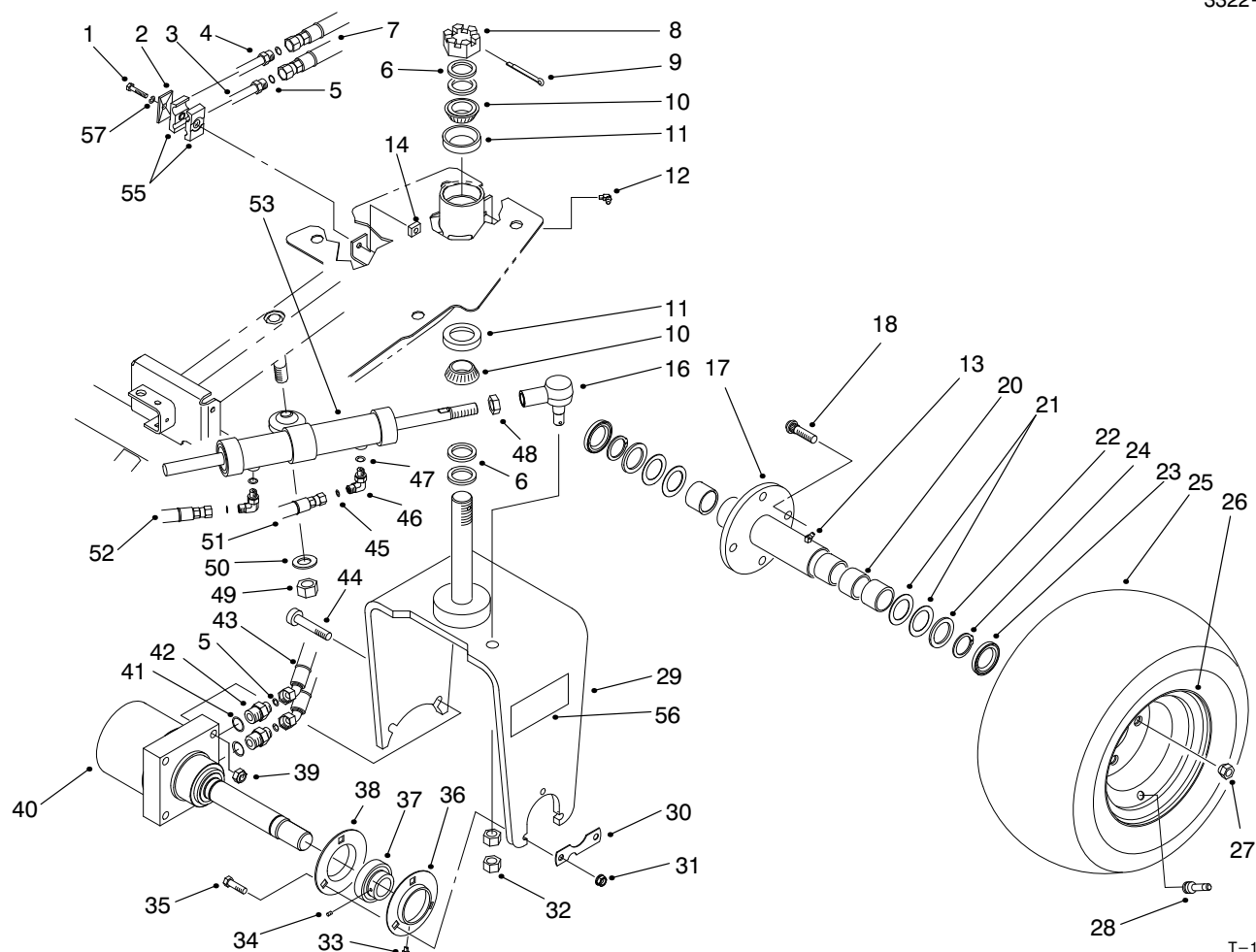


T-0645-2

HYDRAULIC PUMP 92-9764

Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut-Hex.	4
2	354-16	Washer-Lock	4
3	354-17	Stud-Threaded	4
4	354-11	Pin-Dowel	2
5	354-9	Asm-Idler Shaft-Gear	1
6	354-12	Pin-Dowel	2
7		Ball-Valve	1
8		Spring-Compression	1
9		Adjuster-Valve	1
10		Cap-Adjuster, Valve	1
11	354-13	Pin-Dowel	4
12	92-9774	Asm-Idler Shaft-Gear	1
13	354-14	Pin-Dowel	2
14	92-9766	Plate-Gear 66B	1
15	354-2	Asm-Body	1
16	5-0946	Key-Square	1
17	354-15	Seal-Shaft	1

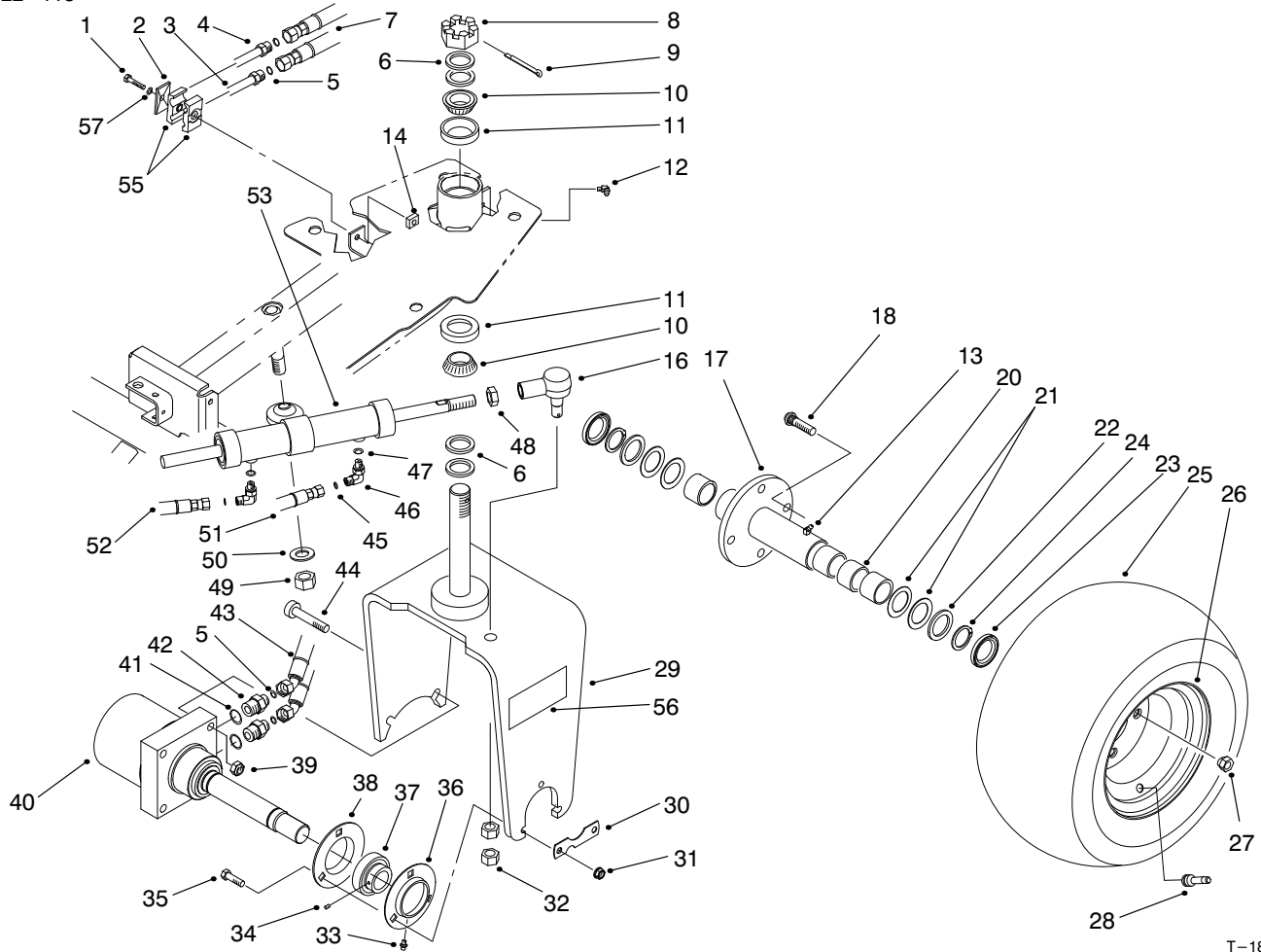
Ref. No.	Part No.	Description	No. Used
18	353-886	Ring-Retaining	2
19	353-884	Key-Woodruff	4
20	92-9772	Shaft-Drive	1
21	92-9773	Gear-58B	1
22	354-3	Asm-Bearing Plate	1
23	353-922	Seal-Ring	10
24	353-967	Gear-33B	6
25	353-969	Plate-Gear 33B	3
26	353-923	Asm-Bearing Plate	2
27	354-5	Adapter-Splined	1
28	354-4	Asm-Bearing Plate (Incl. Ref. #7-10 & 32)	1
29	354-8	Asm-Drive Shaft-Gear	1
30	354-6	Plate-Gear 18B	1
31	354-7	Asm-Cover	1
32	354-35	Gasket	1



T-1839-2

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-7	Screw-HH	1	28	232-27	Valve Stem w/Cap	1
2	89-9760	Cover-Plate	1	29	93-2529	Fork-Castor	1
3	93-0115	Asm-Tube, Rear Bottom	1	30	88-8350	Tab-Bearing	1
4	93-0114	Asm-Tube, Rear Top	1	31	3296-39	Nut-Lock	3
5	237-30	O-Ring	4	32	3220-6	Nut-Jam	2
6	18-6320	Washer-Steering	4	33	302-5	Fitting-Grease	1
7	92-9197	Hose-Hydraulic (Incl. Ref. #5)	2	34		Screw-Set	2
8	32136-9	Nut-Hex. Slotted	1	35	323-29	Screw-HH	3
9	3272-37	Pin-Cotter	1	36	85-8940	Flange-Bearing, Lube (Incl. Ref. #33)	1
10	254-70	Cone-Bearing	2	37	251-352	Asm-Bearing (Incl. Ref. #34)	1
11	254-61	Cup-Bearing	2	38	85-8950	Flange-Bearing	1
12	302-11	Fitting-Grease 45°	1	39	3296-23	Nut-Lock	2
13	302-40	Fitting-Grease 90°	2	40	92-9169	Motor-Hydraulic	1
14	3290-496	Nut-Retaining	1	41	237-80	O-Ring	2
16	83-1640	Asm-Rod End	1	42	340-7	Fitting-Hydraulic (Incl. Ref. #41)	2
17	92-9152	Asm-Hub, Wheel	1	43	92-9197	Hose-Hydraulic (Incl. Ref. #5)	2
18	10-6730	Stud-Drive	4	44	3274-93	Screw-HSH	2
20	92-9167	Roller-Clutch	4	45	237-21	O-Ring	2
21	92-9166	Washer-Thrust	4	46	340-132	Fitting-Hydraulic 90° (Incl. Ref. #45 & 47)	2
22	92-9159	Washer	2	47	237-78	O-Ring	2
23	92-9165	Seal-Grease	2	48	84-5300	Nut-Jam	1
24	32151-10	Ring-Retainer	2				
25	28-3680	Tire	1				
26	217-60	Rim	1				
27	242-50	Nut-Lug	4				



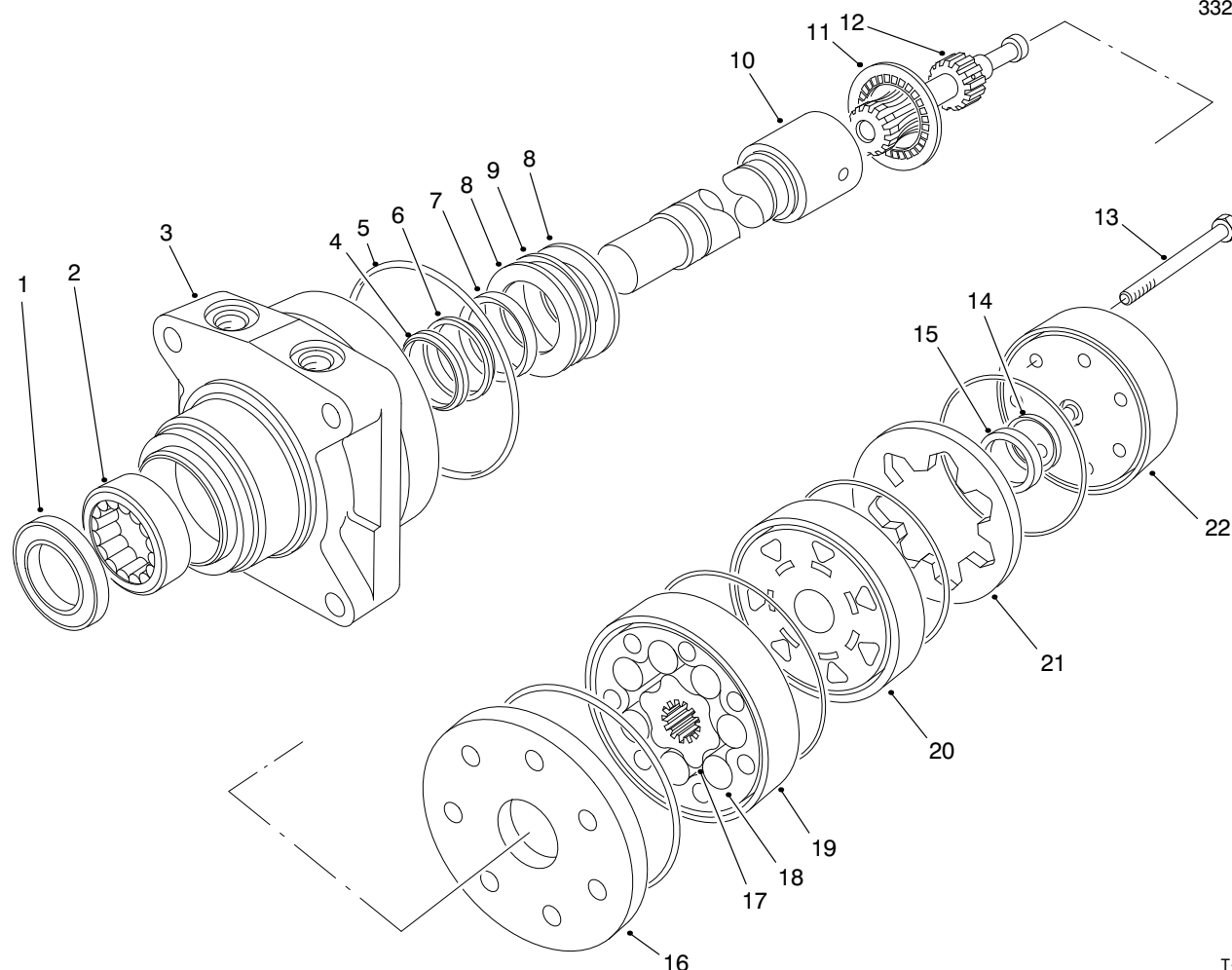
T-1839-2

REAR WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	3217-12	Nut-Hex.	1
50	3256-28	Washer-Flat	1
51	83-1360	Hose-Hydraulic	1
52	83-1350	Hose-Hydraulic	1
53	83-2330	Asm-Hydraulic Cylinder	1

Ref. No.	Part No.	Description	No. Used
55	56-7971	Clamp-Tube	2
56	92-9752	Decal-3WD	2
57	3253-4	Washer-Lock	1
*	232-37	Tube-Inner (Optional)	1

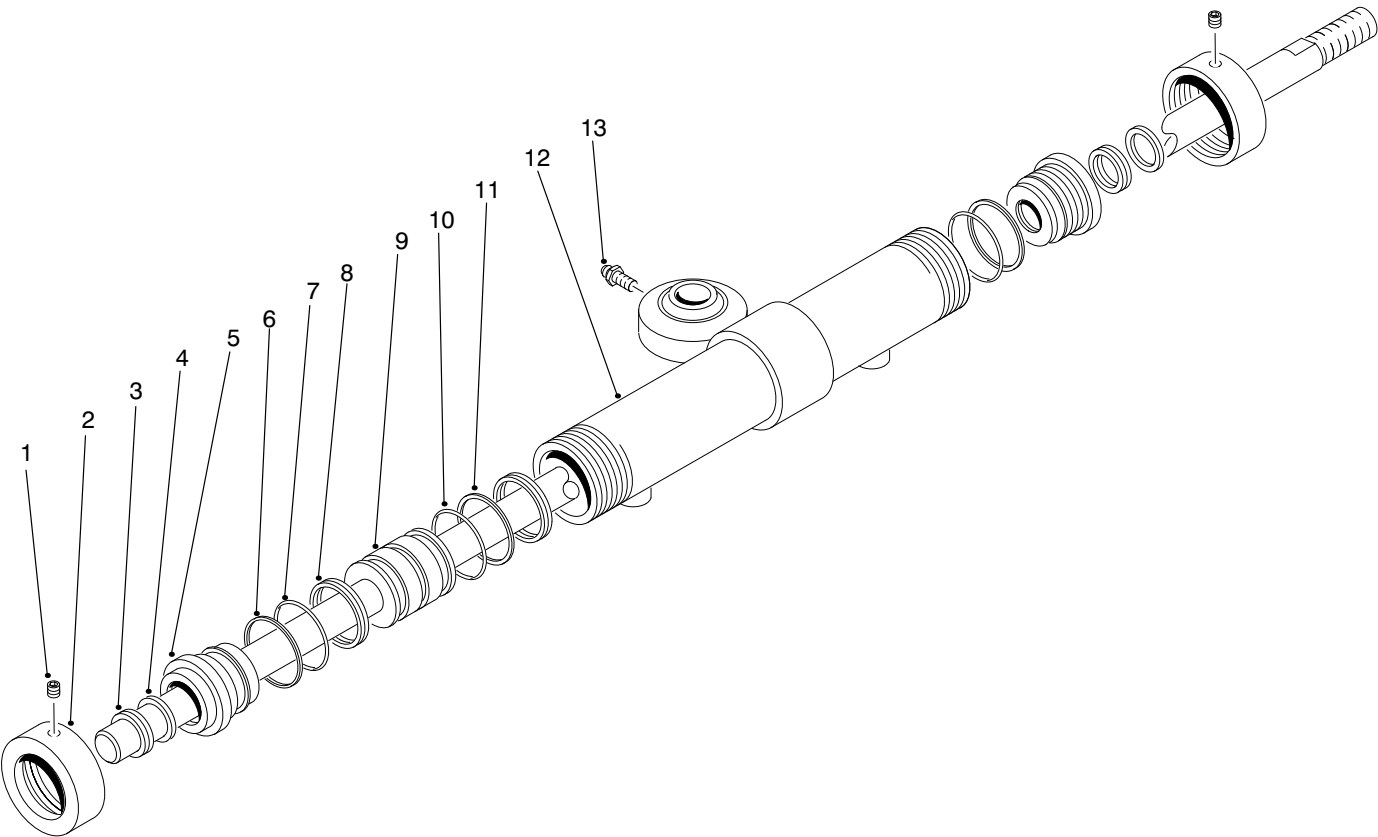
*Not Illustrated



T-1830-2

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9169

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal-Dirt & Water	1	16	92-9754	Plate-Wear	1
2		Bearing	1	17		Rotor	1
3		Housing	1	18		Vane	7
4		Washer-Back-Up	1	19		Stator	1
5		Ring-Seal	5	20	92-9755	Manifold	1
6		Washer-Back-Up	1	21		Ring-Commutator	1
7		Seal-Inner	1	22	92-9759	Asm-End Cover	1
8		Washer-Thrust	2	*	92-9757	Rotor Set (Incl. Ref. #19-21)	1
9		Bearing-Thrust	1	*	76-0880	Asm-Commutator (Incl. Ref. #15, 16 & 23)	1
10	92-9760	Shaft-Coupling	1	*	76-0800	Kit-Seal (Incl. Ref. #1, 4-7 & 15)	1
11	76-0850	Bearing-Thrust	1	*	92-9753	Asm-Housing (Incl. Ref. #2, 3 & 8-10)	1
12	92-9758	Link-Drive	7				
13	92-9756	Screw-HH	1				
14		Seal-Commutator	1				
15		Commutator	1				



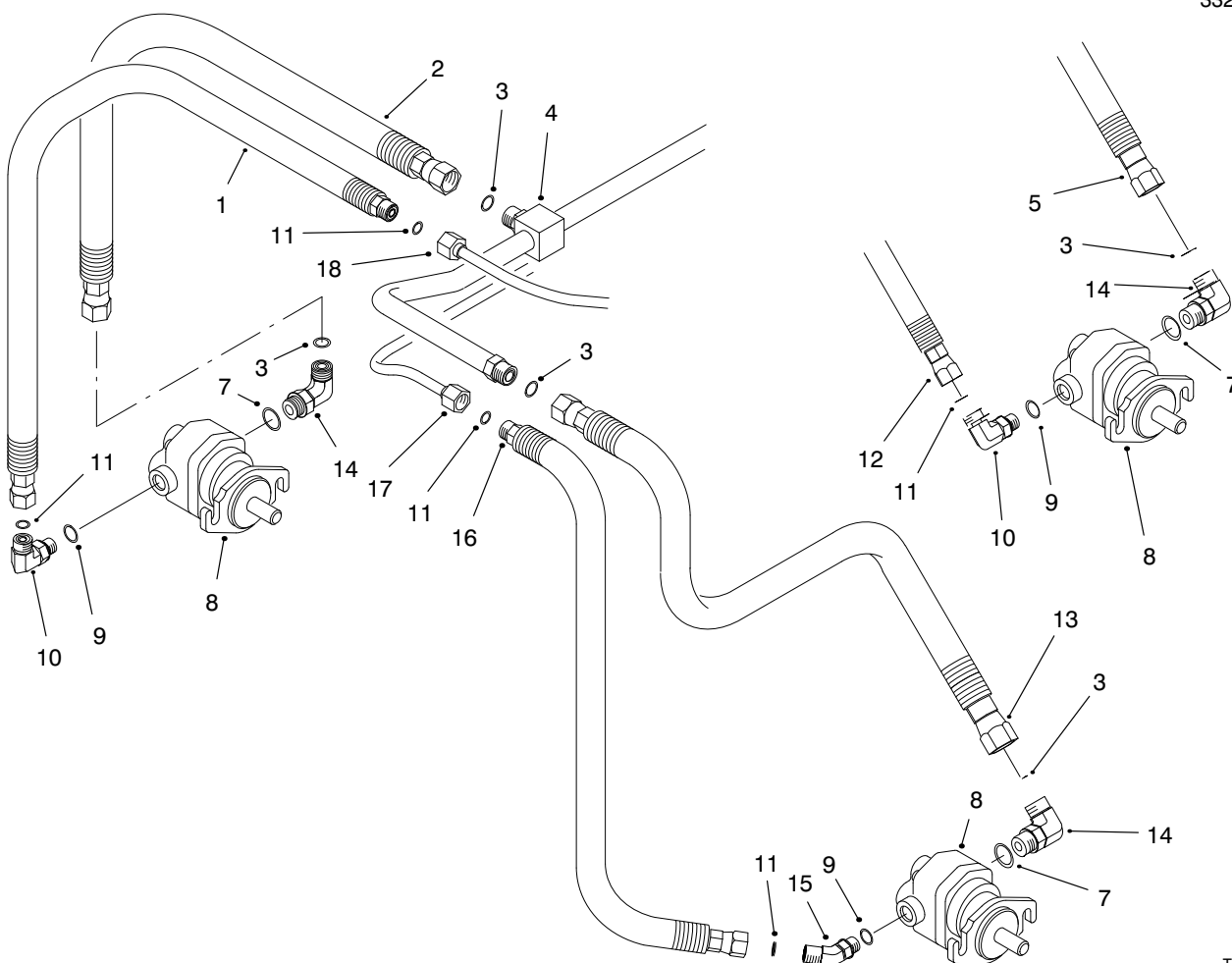
T-1313

HYDRAULIC CYLINDER ASSEMBLY NO. 83-2330

Ref. No.	Part No.	Description	No. Used
1	3245-1	Screw-Set, Hex. Soc. Hd.	2
2	83-2340	Cap-Threaded	2
3		Wiper-Rod	2
4		U-Cup-Double Lip	2
5	83-2350	Cap-Head, Thread	2
6		Ring-Back-Up	2
7		O-Ring	2
8		Ring-Wear	2
9	83-2360	Asm-Rod	1

Ref. No.	Part No.	Description	No. Used
10		O-Ring	1
11		Ring-Piston, Urithane	1
12	83-2370	Asm-Barrel	1
13	302-5	Fitting-Grease	1
*	83-2380	Kit-Seal Repair (Incl. Ref. #1-7)	1

*Not Illustrated

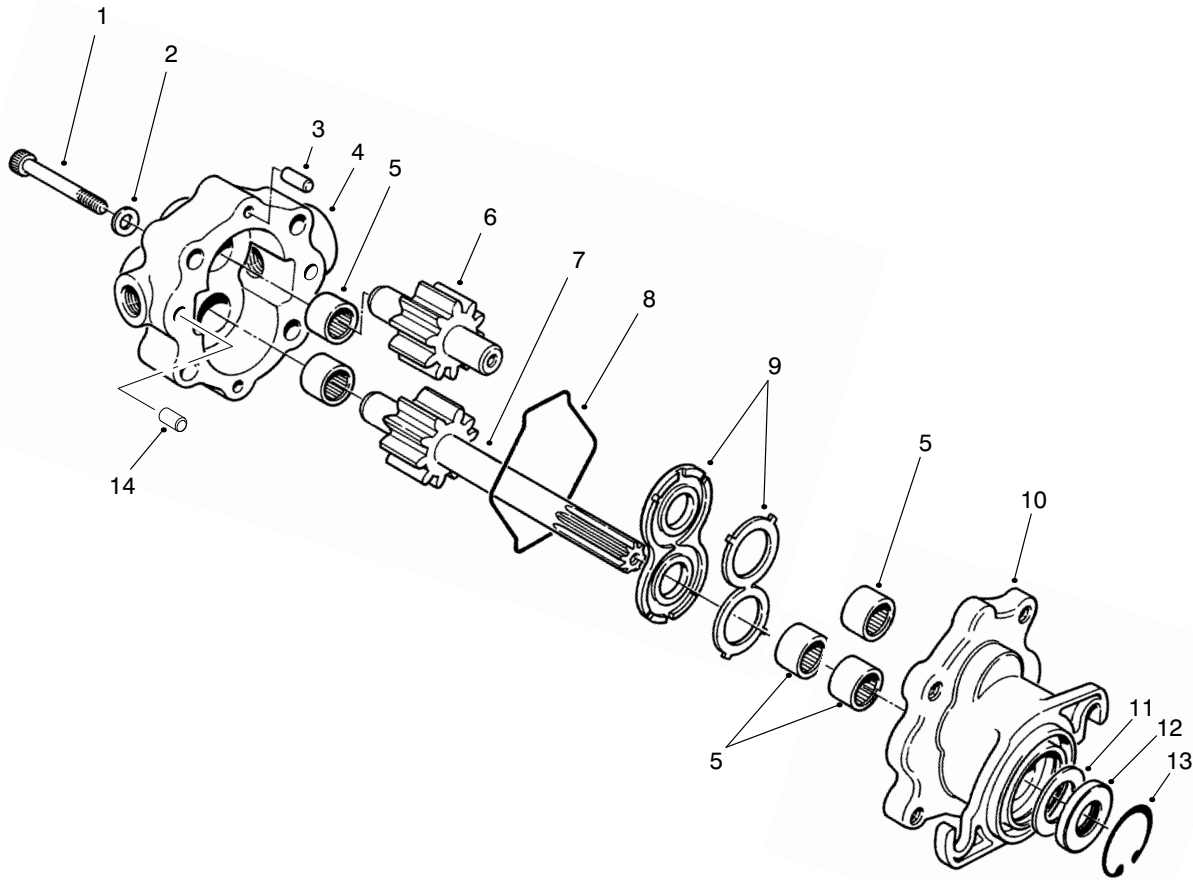


T-1297-4

REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95-5984	Hose-Hydraulic	1
2	95-5985	Hose-Hydraulic	1
3	237-30	O-Ring	5
4	63-4040	Asm-Hydraulic Tube (Incl. Ref. #3)	1
5	95-5987	Hose-Hydraulic	1
7	237-79	O-Ring	3
8	94-3506	Asm-Reel Motor	3
9	237-42	O-Ring	3
10	340-77	Fitting-Hydraulic 90° (Incl. Ref. #9 & 11)	2

Ref. No.	Part No.	Description	No. Used
11	237-22	O-Ring	5
12	95-5986	Hose-Hydraulic	1
13	95-5989	Hose-Hydraulic	1
14	340-98	Fitting-Hydraulic 90° (Incl. Ref. #3 & 7)	3
15	340-87	Fitting-Hydraulic 45° (Incl. Ref. #9 & 11)	1
16	95-5988	Hose-Hydraulic	1
17	63-4020	Tube-Hydraulic	1
18	63-4030	Tube-Hydraulic	1



T-1872

REEL MOTOR NO. 94-3506

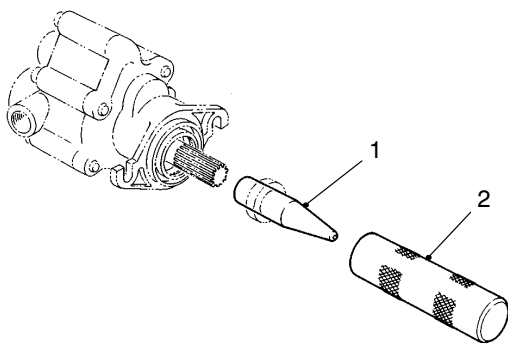
Ref. No.	Part No.	Description	No. Used
1	354-50	Screw-Hex. Socket Hd.	4
2	354-51	Washer	4
3	353-599	Pin-Dowel	2
4	94-3507	Asm-Cover (Incl. Ref. #5)	
5		Bearing-Needle	5
6	94-3509	Asm-Idle Gear	1
7	94-3508	Asm-Drive Shaft	1
8	354-46	Ring-Seal	1

Ref. No.	Part No.	Description	No. Used
9	74-3810	Asm-Load Plate	1
10	92-8795	Asm-Body (Incl. Ref. #5)	1
11		Spacer	1
12		Seal-Shaft	1
13	32151-41	Ring-Retaining	1
14	92-8796	Pin-Dowel	2
*	92-8863	Kit-Repair (Incl. Ref. #8 & 11-13)	1

*Not Illustrated

SPECIAL TOOLS

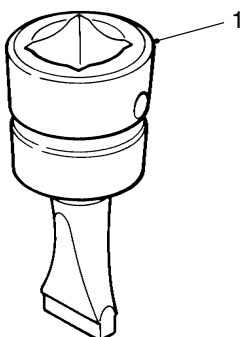
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

Ref. No.	Part No.	Description	No. Used
1	TOR491430	Protector—Seal	1
2	TOR491450	Installer—Seal	1

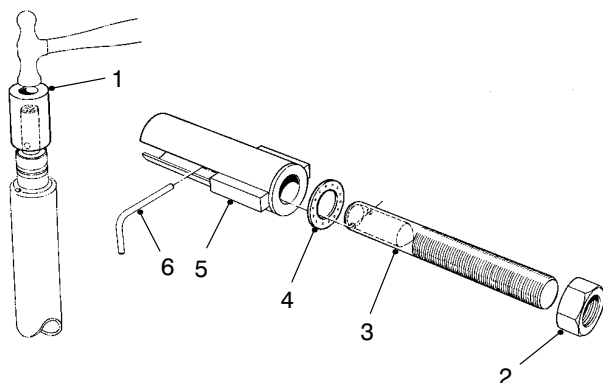
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

Ref. No.	Part No.	Description	No. Used
1		Tool—Bed Knife Screw	1

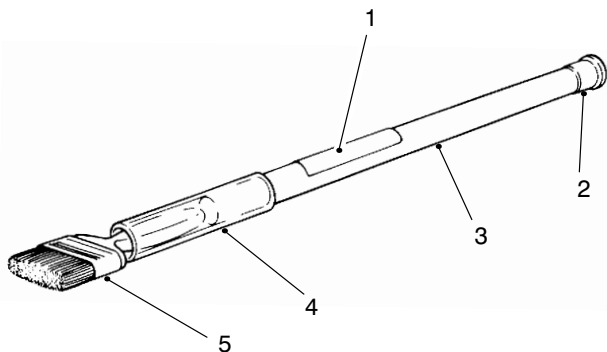
BEARING REPLACEMENT TOOL KIT NO. TOR238900



T-0730

Ref. No.	Part No.	Description	No. Used
1	23-8880	Driver—Bearing	2
2	3219-18	Nut—Hex.	1
3	23-8840	Puller—Bolt	1
4	22-6090	Washer—Thrust	1
5	23-8850	Tube—Support	1
6	23-8860	Pin—Bearing Rplcmnt.	1

BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



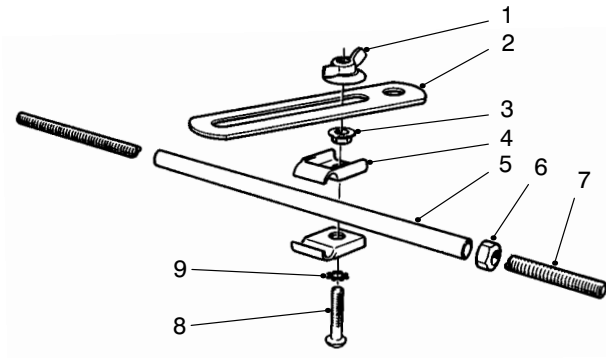
T-0731

Ref. No.	Part No.	Description	No. Used
1	12-9140	Decal	1
2	2410-18	Plug	1
3	29-9080	Handle	1
4	29-9090	Hose—Handle	1
5	36-4310	Brush	1

Note: Special tools may be ordered from: Owatonna Tool Company 2013 4th St. NW Owatonna, MN 55060

SPECIAL TOOLS (Continued)

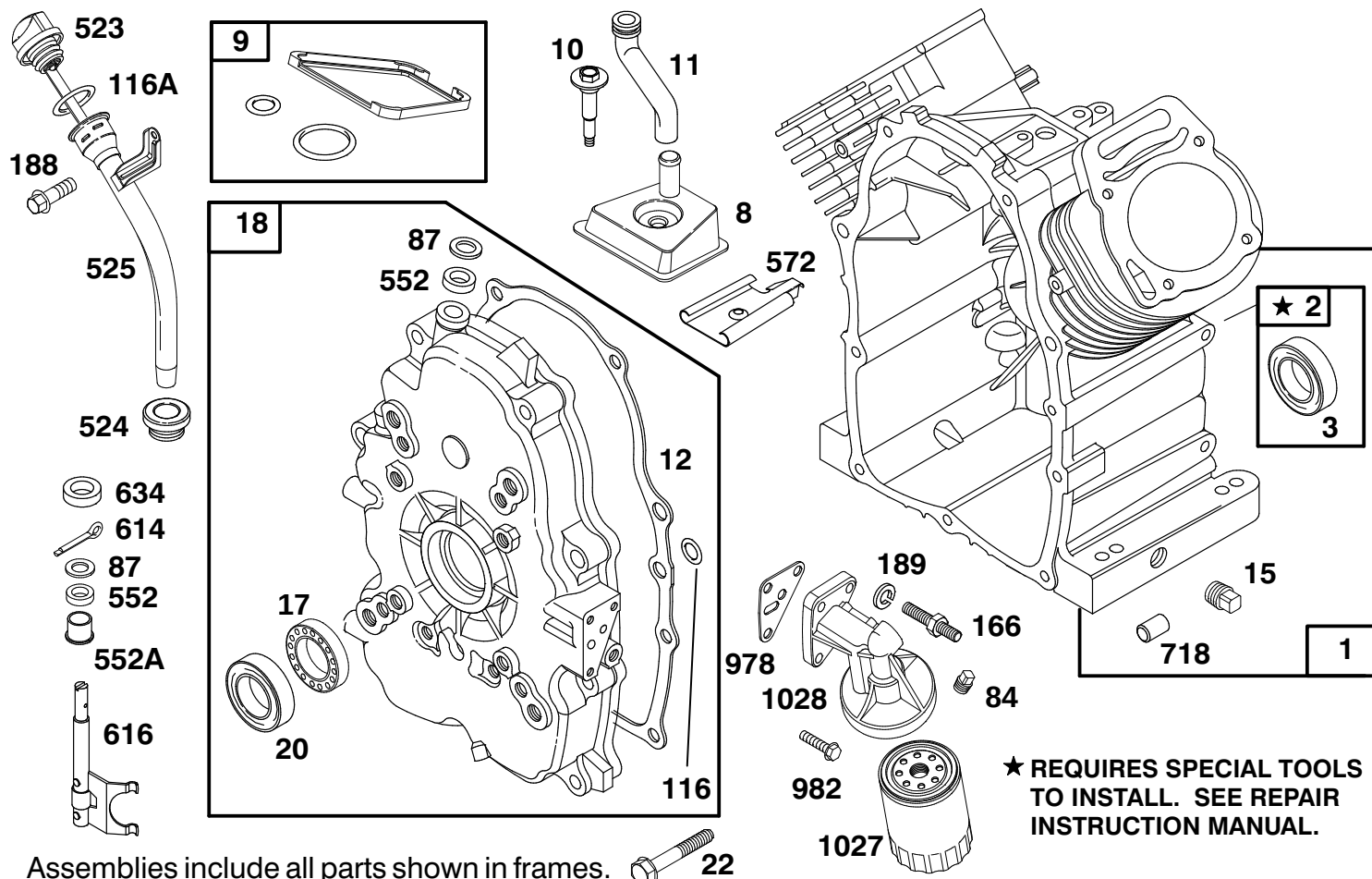
ALIGNMENT TOOL NO. TOR200120



T-0732

Ref. No.	Part No.	Description	No. Used
1	3-4808	Nut-Wing	1
2	20-0110	Bracket-Alignment	1
3	32128-20	Nut-HFH	1
4	3-6657	Clip-Skid	2
5	20-0070	Tube	1
6	3219-2	Nut-Hex.	1
7	20-0080	Rod	1
8	32122-35	Screw-Truss Head	1
9	3255-8	Washer-Lock	1

Note: Special tools may be ordered from: Owatonna Tool Company
2013 4th St. NW
Owatonna, MN 55060



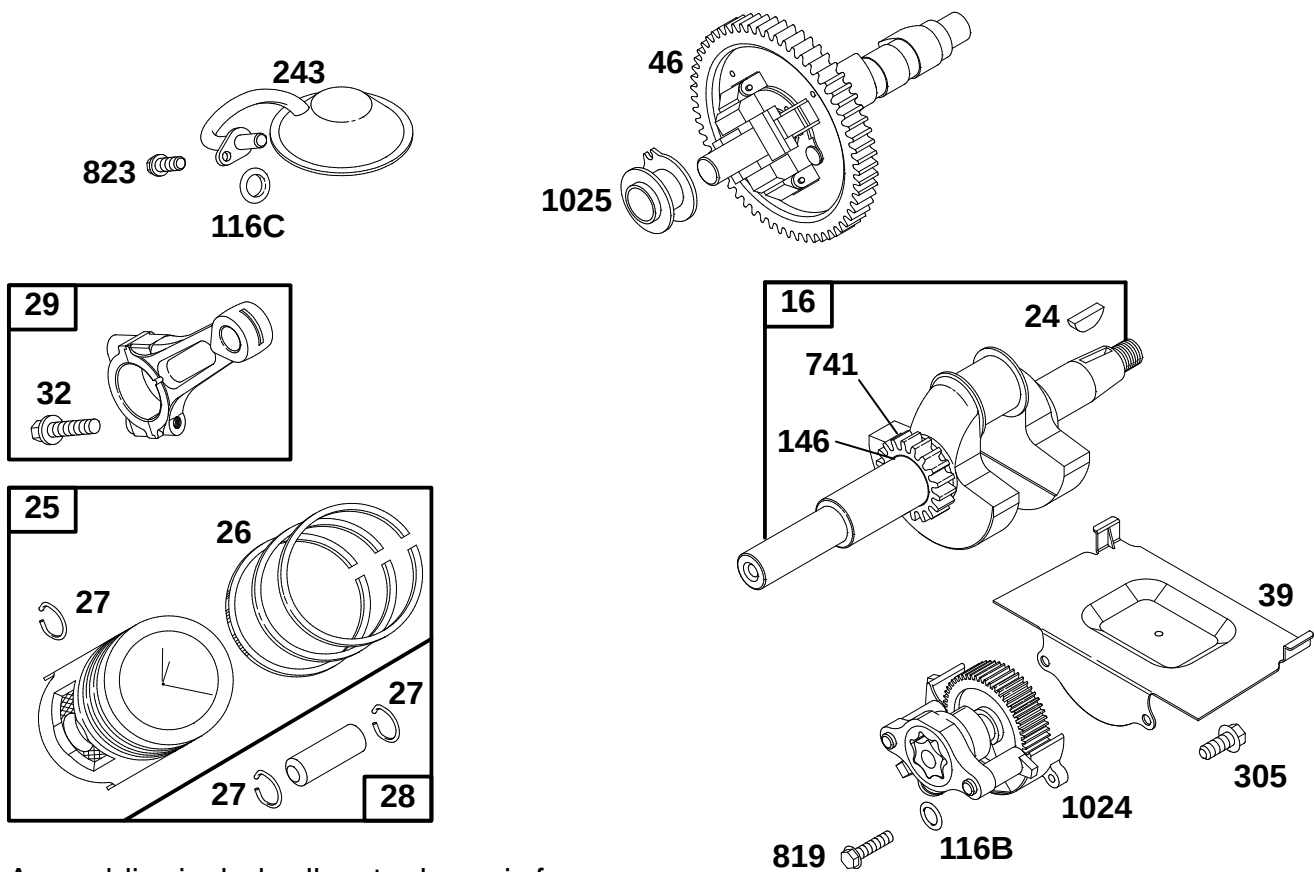
Assemblies include all parts shown in frames. 22

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
1	808440	Cylinder Assembly	1
2	808534	Bearing—Cylinder	1
*3	805101	Seal—Oil	1
8	807795	Breather Assembly	1
*9	807688	Gasket—Breather	1
10	805751	Screw—Hex. Washer Head	1
11	806083	Tube—Breather	1
12	806190	Gasket—Crankcase Cover	1
15	805048	Plug—Oil Drain	1
17	805754	Bearing—Ball	1
18	808502	Cover Assy.—Crankcase	1
*20	805049	Seal—Oil	1
22	805696	Screw—Crankcase Cover	1
84	91488	Plug—Pipe	1
*87	805054	Seal—Governor Shaft	1
116	806191	O—Ring (Crankcase Cover)	1
*116A	805386	O Ring (Dipstick)	1
166	805073	Stud—Oil Filter Adapter	1

Ref. No.	Part No.	Description	No. Used
188	805247	Screw—Hex. Head	1
189	805449	Lockwasher	1
523	807977	Dipstick	1
*524	281370	Seal—Fill Tube	1
525	807584	Tube—Oil Fill	1
552	805412	Bushing—Governor Shaft	1
552A	805413	Bushing—Governor Shaft	1
572	805197	Baffle—Breather	1
614	806096	Pin—Cotter	1
616	807596	Fork—Governor	1
634	805416	Washer—Governor Shaft	1
718	805103	Dowel—Crankcase	1
*978	805250	Gasket—Oil Filter Adapter	1
982	805030	Screw	1
1027	492932	Filter—Oil	1
1028	808325	Adapter—Oil Filter	1
1058	273685	Owner's Manual	1

*Included in Gasket Set — Part No. 808390.



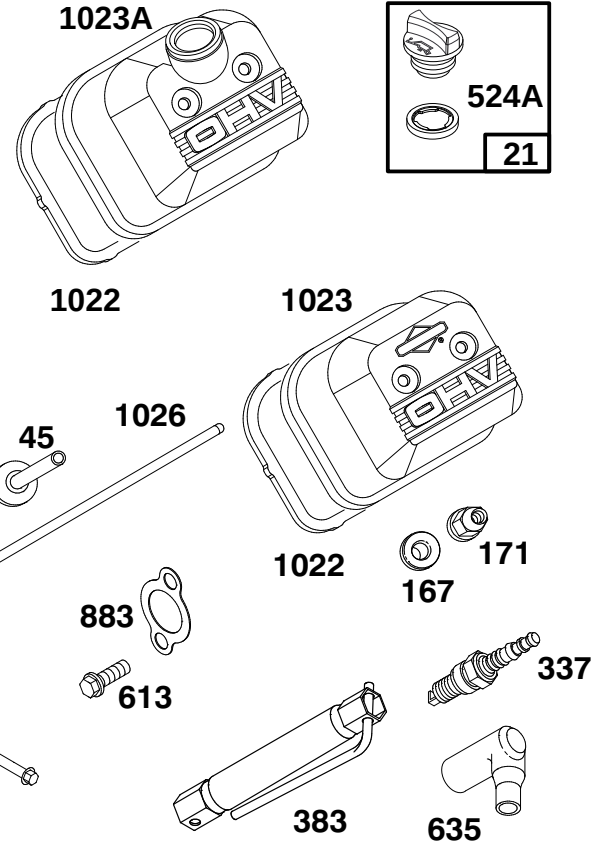
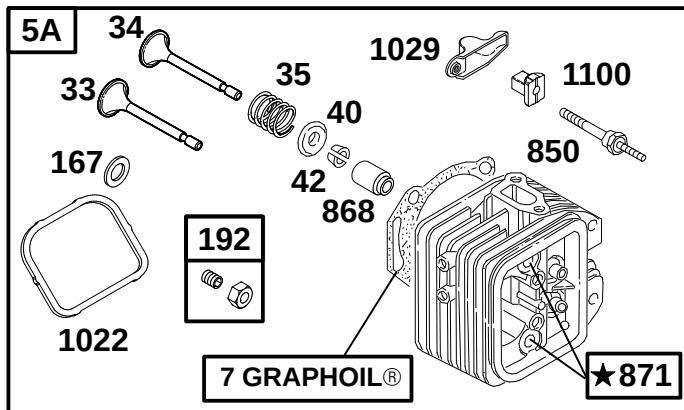
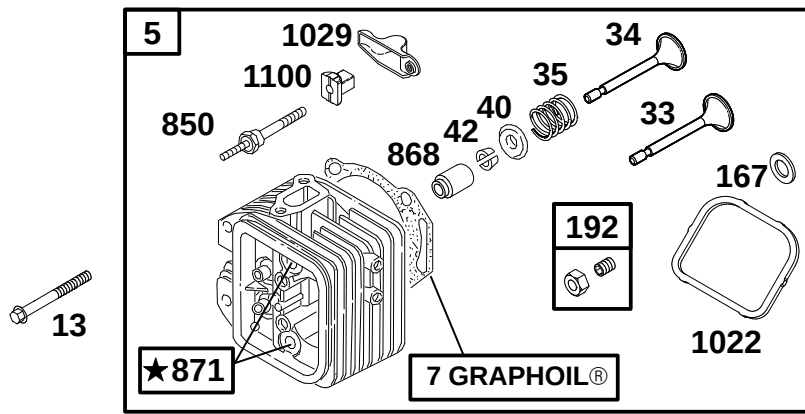
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
16	808417	Crankshaft	1
24	806066	Key-Flywheel	1
25	807619	Piston Assembly (Standard)	1
	807807	Piston Assembly (.010 O.S.)	1
	807809	Piston Assembly (.020 O.S.)	1
	807811	Piston Assembly (.030 O.S.)	1
26	807620	Ring Set-Piston (Standard)	1
	807808	Ring Set-Piston (.010 O.S.)	1
	807810	Ring Set-Piston (.020 O.S.)	1
	807812	Ring Set-Piston (.030 O.S.)	1
27	805099	Lock-Piston Pin	1
28	807621	Piston Pin Assembly	1
29	807900	Connecting Rod Assembly	1
	807809	Rod-Connecting (.020 U.S.)	1

Ref. No.	Part No.	Description	No. Used
32	805395	Screw-Connecting Rod	1
39	805654	Deflector-Oil	1
46	807542	Gear-Cam	1
*116B	805058	O-Ring (Oil Pump)	1
*116C	805316	O-Ring (Pick-Up Tube)	1
146	94196	Key-Timing	1
243	807598	Screen-Oil Pump Pick-Up	1
305	805406	Screw	1
741	805984	Gear-Timing	1
819	805057	Screw	1
823	805317	Screw-Mounting	1
1024	807644	Oil Pump Assembly	1
1025	805313	Slider-Governor	1

*Included in Gasket Set-Part No. 808390.



★ REQUIRES SPECIAL TOOLS
TO INSTALL. SEE REPAIR
INSTRUCTION MANUAL.

Assemblies include all parts shown in frames.

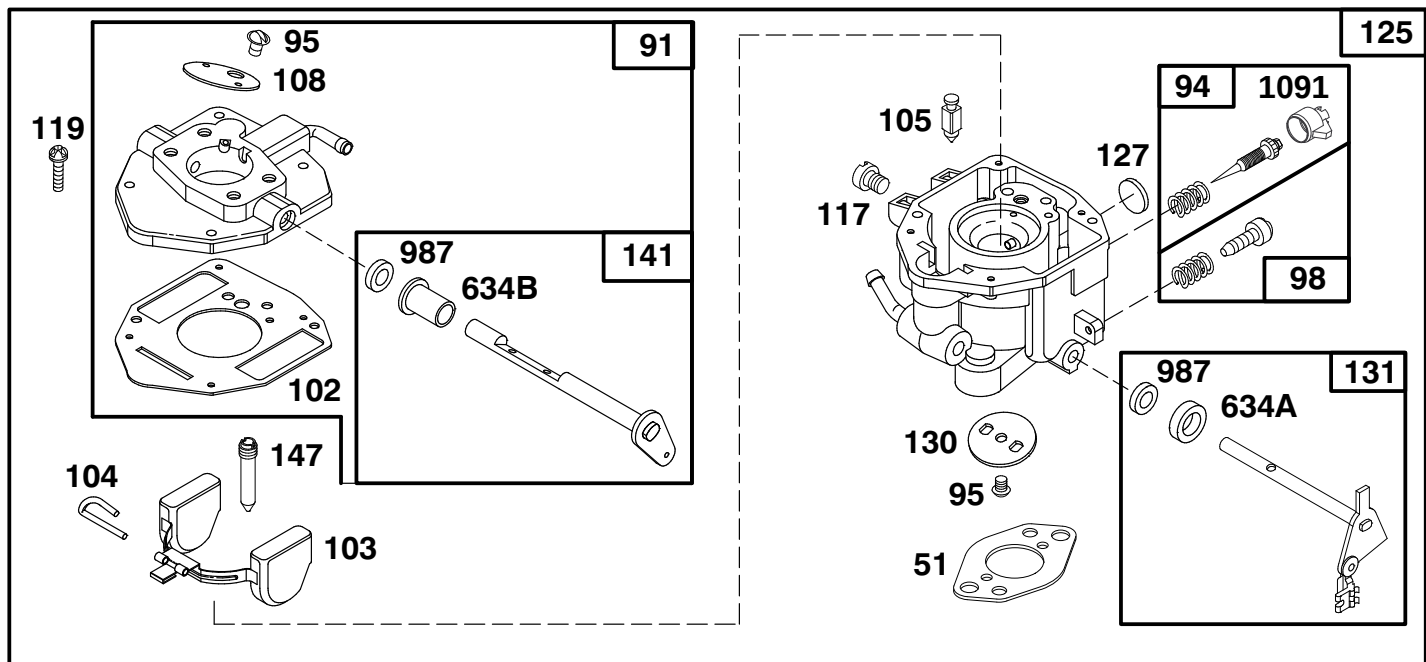
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
5	808381	Head—Cylinder (Cyl. #1)	1
5A	808382	Head—Cylinder (Cyl. #2)	1
*†7	806085	Gasket—Cylinder Head	1
13	805097	Screw—Cylinder Head	1
21	491832	Plug—Oil Filler	1
33	807681	Valve—Exhaust	1
34	807680	Valve—Intake	1
35	805937	Spring—Valve	1
40	805092	Retainer—Valve Spring	1
42	807683	Retainer—Valve	1
45	262679	Tappet—Valve	1
*†167	805420	Washer—Valve Cover	1
†171	805019	Nut—Nylock	1
192	807623	Screw—Valve Adjustment	1
337	496018	Plug—Spark	1
383	19374	Wrench—Spark Plug	1

Ref. No.	Part No.	Description	No. Used
*†524A	271983	Seal—Filler Plug	1
613	805158	Screw—Hex.	1
635	805529	Elbow—Spark Plug	1
868	805094	Seal—Valve Guide	1
871	805084	Guide—Valve	1
*†883	805024	Gasket—Exhaust Manifold	1
850	806037	Stud—Rocker Arm	1
*†1022	806039	Gasket—Valve Cover	1
1023	805100	Cover—Valve	1
1023A	808032	Cover—Valve	1
1026	805352	Rod—Push (Intake Valve)	1
		Note: 805617 Rod—Push (Exhaust Valve)	
1029	806036	Arm—Rocker	1
1100	806038	Pivot—Rocker Arm	1

*Included in Gasket Set—Part No. 808390.

†Included in Valve Overhaul Kit—Part No. 808392.



Assemblies include all parts shown in frames.

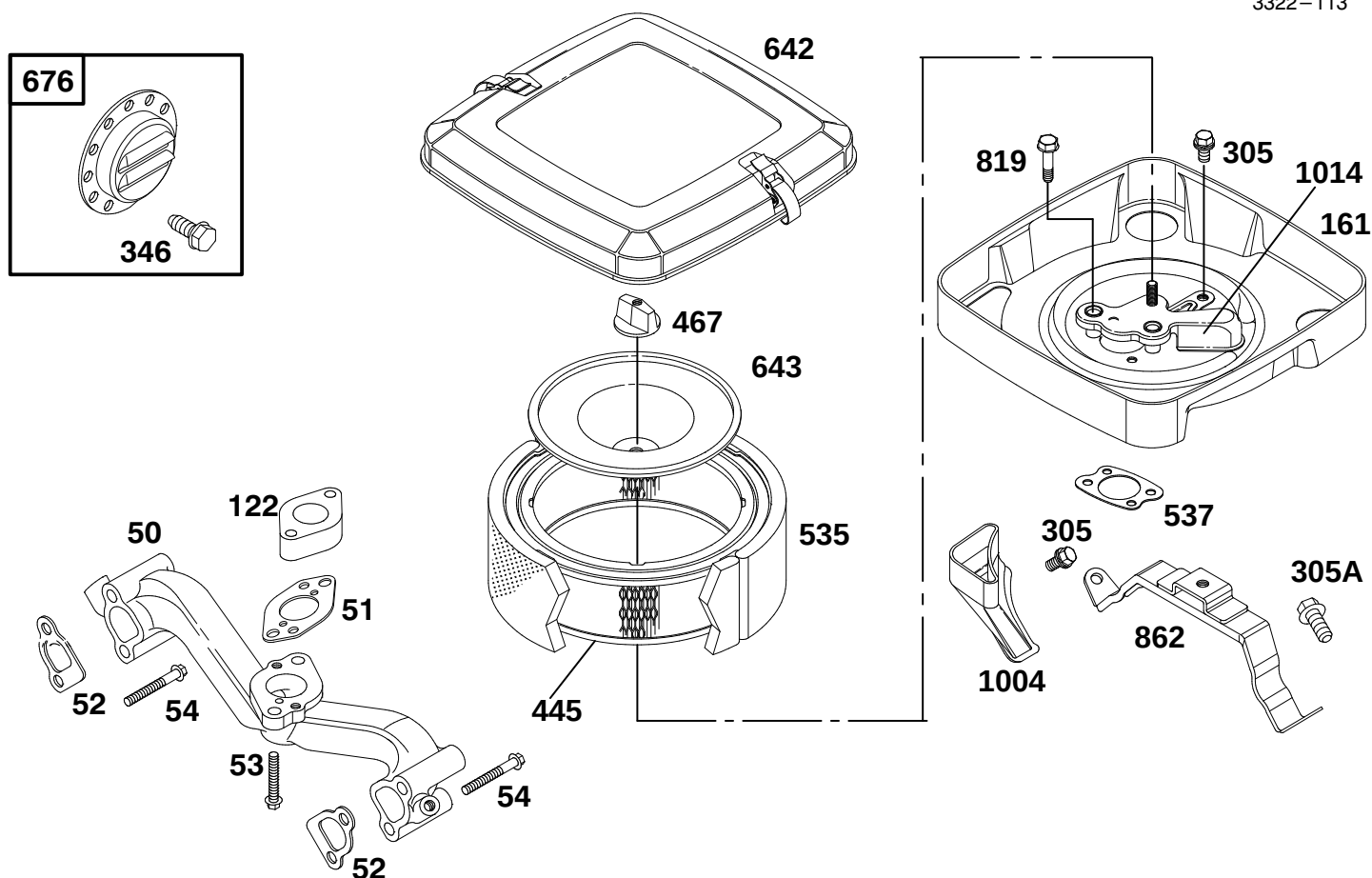
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
*51	805700	Gasket—Carburetor Mtg.	1
91	807919	Body—Upper Carburetor	1
95	805538	Screw—Valve Mtg.	1
98	808177	Screw—Throttle Adj.	1
†102	805541	Gasket—Carburetor Body	1
103	805546	Float Assembly	1
†104	805545	Pin—Float Hinge	1
†105	805547	Valve—Fuel Inlet	1
108	805539	Valve—Choke	1
117	805852	Jet—Main	1
	805537	Jet—Main (High Altitude)	1
†94	808257	Valve—Idle Adjust	1
119	805540	Screw—Upper Body Mtg.	1
125	808251	Carburetor Assembly	1
†127	805559	Plug—Welch	1
130	805554	Valve—Throttle	1
131	807720	Shaft—Throttle	1

Ref. No.	Part No.	Description	No. Used
141	807722	Shaft—Choke	1
†147	805553	Jet—Slow Speed	1
187	296004	Line—Fuel (Cut to Required Length)	1
307	805025	Screw—Hex. Hd.	1
387	491922	Pump—Fuel	1
601	93053	Clamp—Hose	1
†634A	805557	Collar—Throttle	1
†634B	805543	Collar—Choke	1
788	807685	Bracket—Fuel Pump	1
823	805317	Screw—Mounting	1
918	393815	Line—Vacuum (Cut to Required Length)	1
947	807664	Solenoid	1
†987	805544	Seal—Shaft	1
1091	805862	Cap—Limiter	1

*Included in Gasket Set—Part No. 808390.

†Included in Carburetor Kit—Part No. 808273.

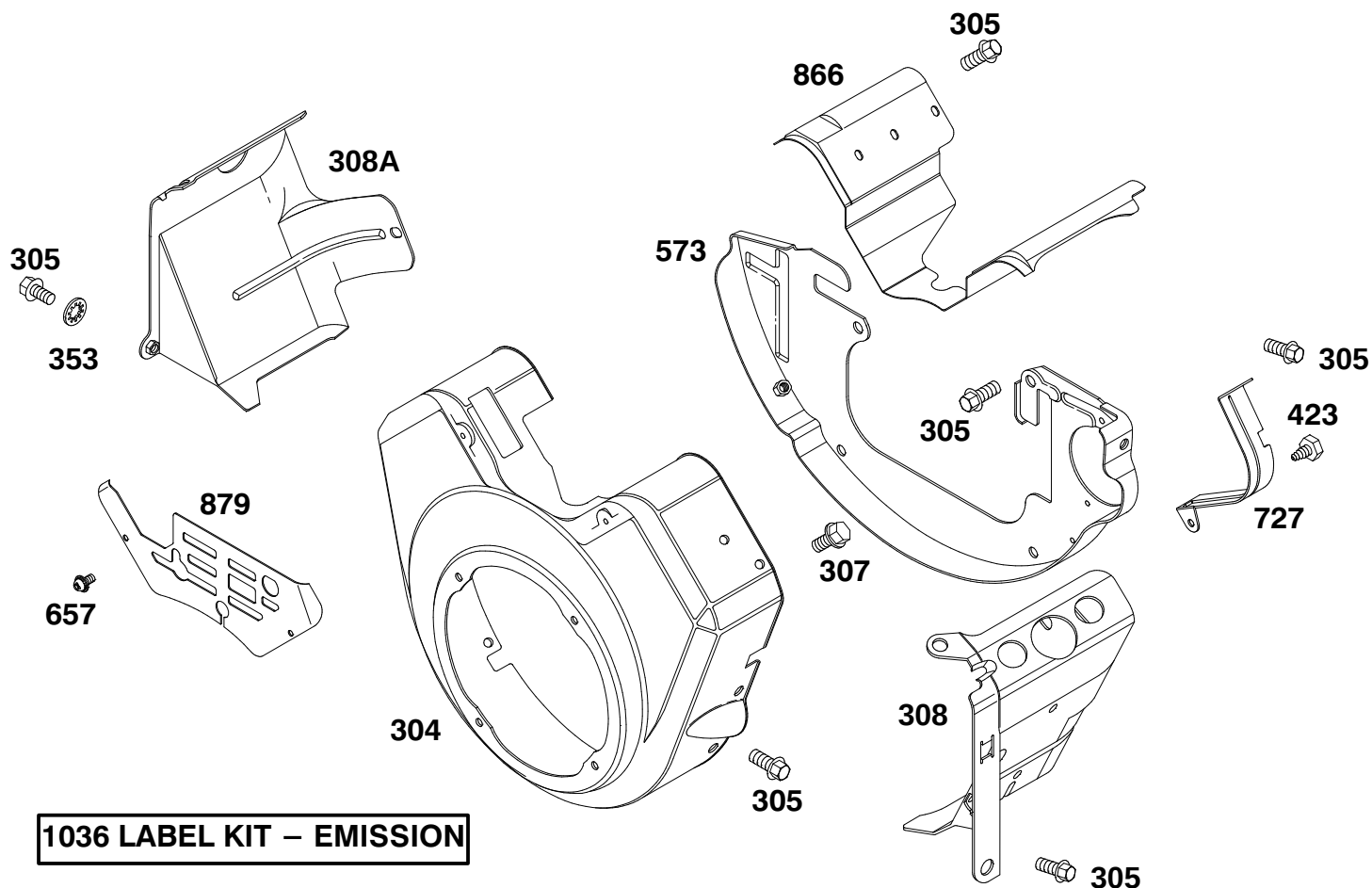


ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	805772	Manifold-Intake	1	445	394018	Filter- Air	1
*51	805700	Gasket-Carburetor Mtg.	1	467	491875	Knob-Air Cleaner	1
*‡52	805023	Gasket-Intake Manifold	1	535	272490	Filter- Air	1
53	805466	Screw	1	*537	805655	Gasket-Air Cleaner	1
54	805006	Screw	1	642	807862	Cover-Air Cleaner	1
122	805328	Spacer-Carburetor	1	643	805631	Plate-Air Cleaner	1
161	807857	Base-Air Cleaner	1	676	397630	Deflector-Muffler	1
305	805406	Screw-Hex. (M6 x 12mm)	1	819	805057	Screw-Hex. Hd.	1
305A	805902	Screw-Hex. (M6 x 16mm)	1	862	807796	Bracket-Air Cleaner	1
346	94896	Screw-Hex.	1	1004	805632	Strap-Cleaner Mounting	1
				1014	807797	Shield-Carburetor	1

*Included in Gasket Set-Part No. 808390.

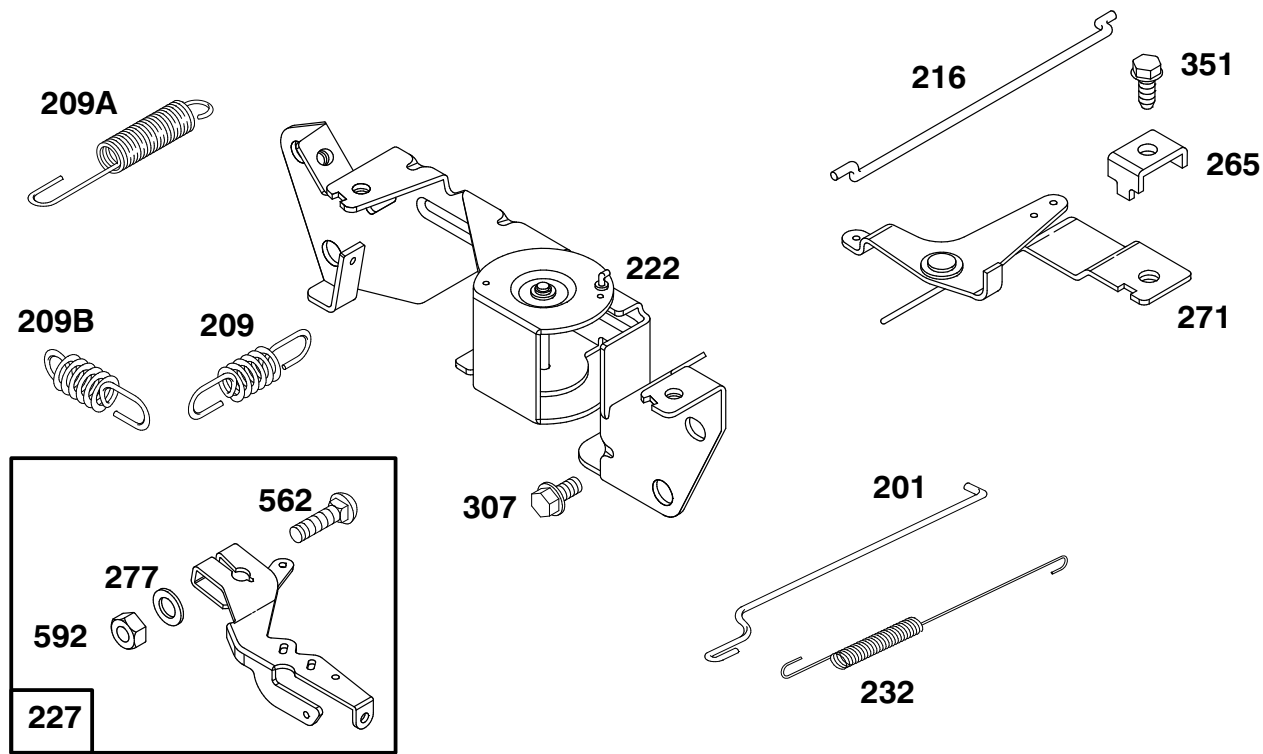
‡Included in Valve Overhaul Kit-Part No. 808392.



ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
304	807898	Housing—Blower	1
305	805406	Screw—Hex. Head	1
307	805025	Screw—Hex. Head	1
308	808309	Cover—Air Guide (Cyl. #1)	1
308A	808098	Cover—Air Guide (Cyl. #2)	1
353A	806101	Washer—Lock	1

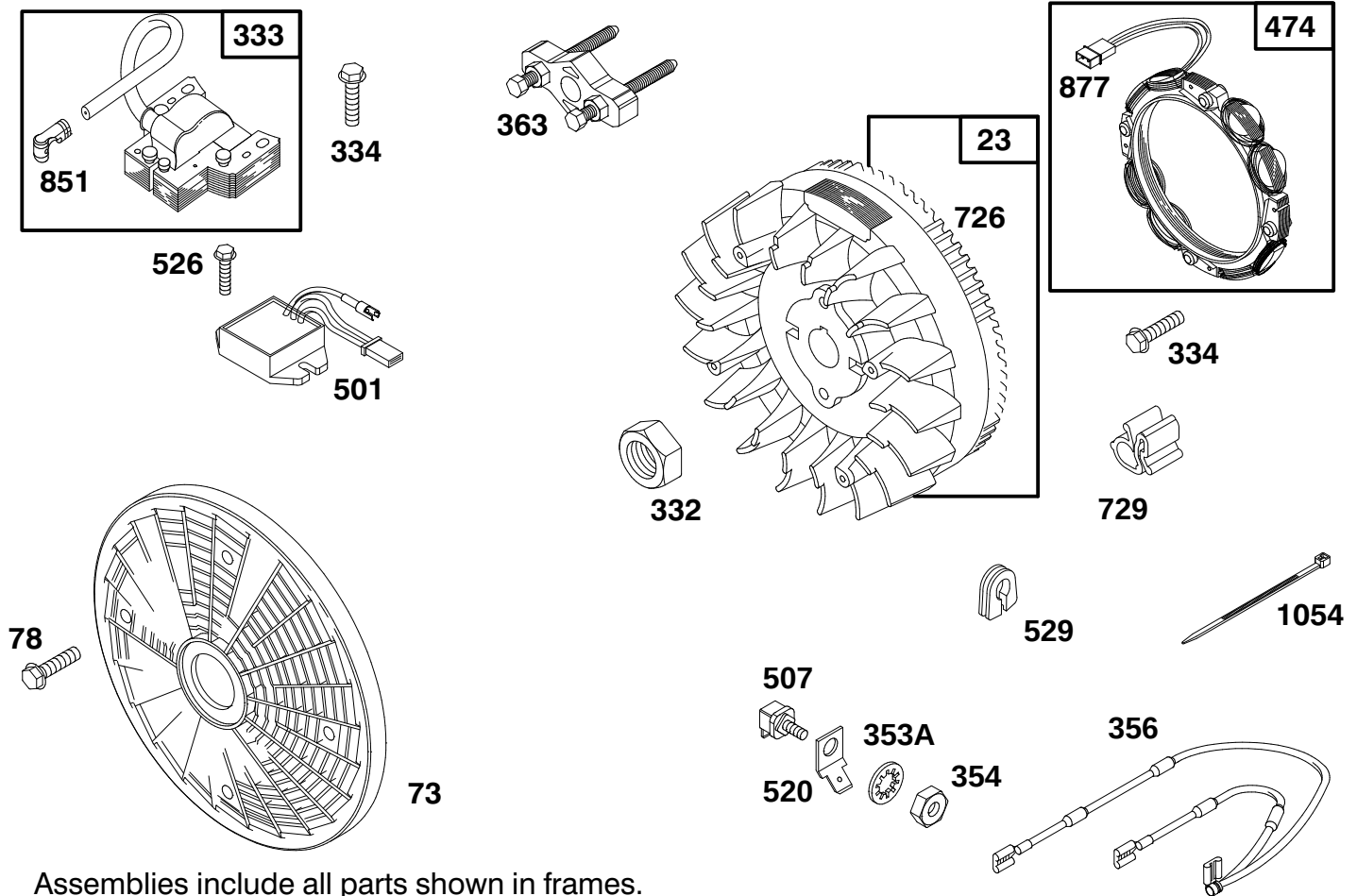
Ref. No.	Part No.	Description	No. Used
423	805260	Screw—Hex. Head	1
573	807663	Back Plate Assembly	1
657	805009	Screw—Hex. Head	1
727	805505	Shield—Starter	1
866	805738	Valley Cover—Air Guide	1
879	805841	Cover—Carburetor	1
1036	499366	Label Kit—Emission	1



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
201	805480	Link-Governor	1	265	221535	Clamp-Casing	1
209	805464	Spring-Governor	1	271	808145	Bracket-Choke Control	1
209A	805450	Spring-Governed Idle	1	277	805018	Washer	1
209B	806105	Spring-Governor	1	307	805025	Screw-Hex. Head	1
216	805439	Link-Choke	1	351	805169	Screw-Hex. Head	1
222	808195	Bracket-Governor Control	1	562	805381	Bolt-Carriage	1
227	807528	Lever Assembly-Governor	1	592	805383	Nut-Hex.	1
232	805465	Spring-Governor Link	1				

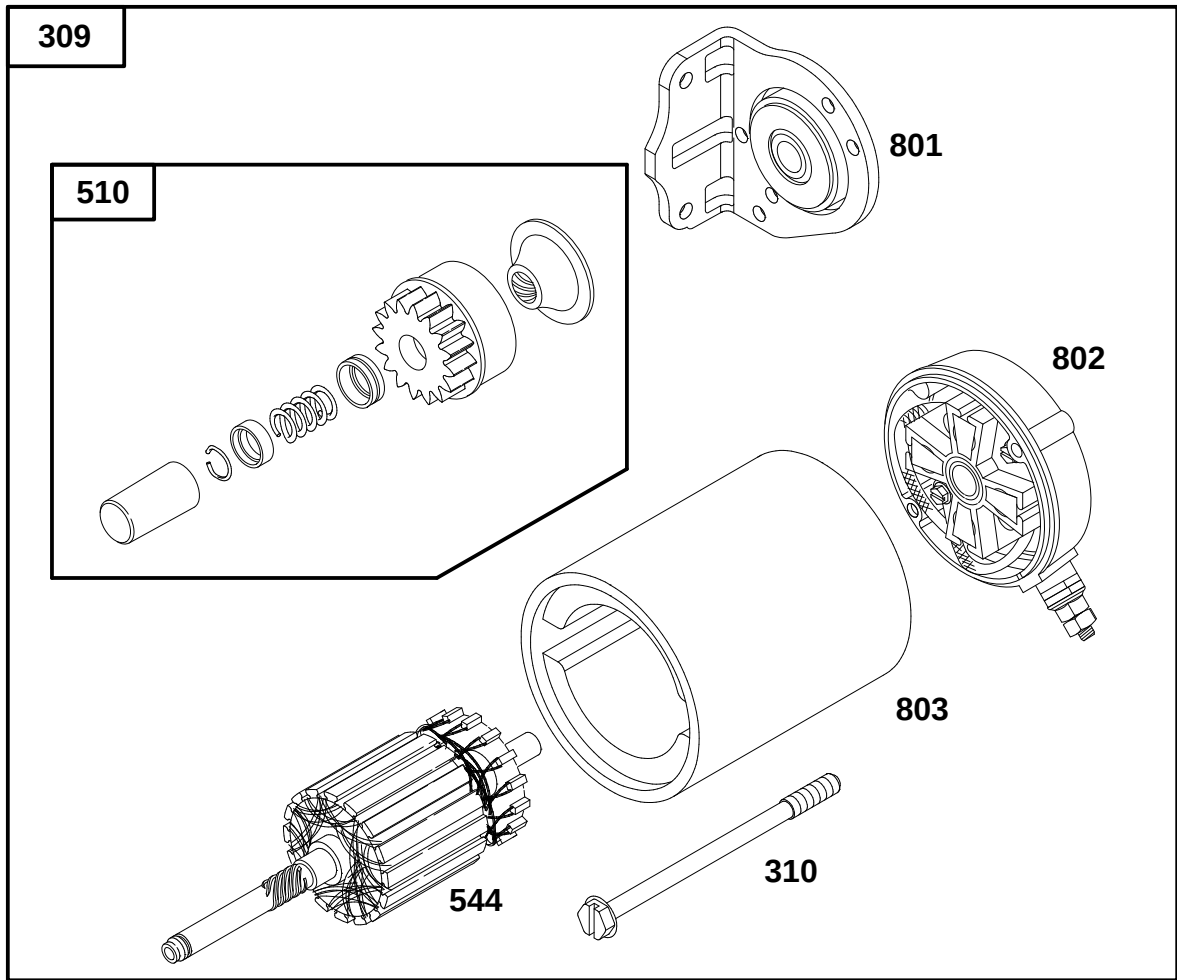


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
23	808128	Flywheel-Magneto	1
73	494439	Screen-Rotating	1
78	805447	Screw-Hex. Hd.	1
332	806028	Nut-Hex.	1
333	492341	Armature-Magneto	1
334	805407	Screw-Hex. Hd.	1
353	92791	Washer-Lock (Internal Tooth)	1
354	90576	Nut-Hex.	1
356	493792	Wire-Assy.	1
363	19203	Puller-Flywheel	1
474	393295	Stator-Alternator	1

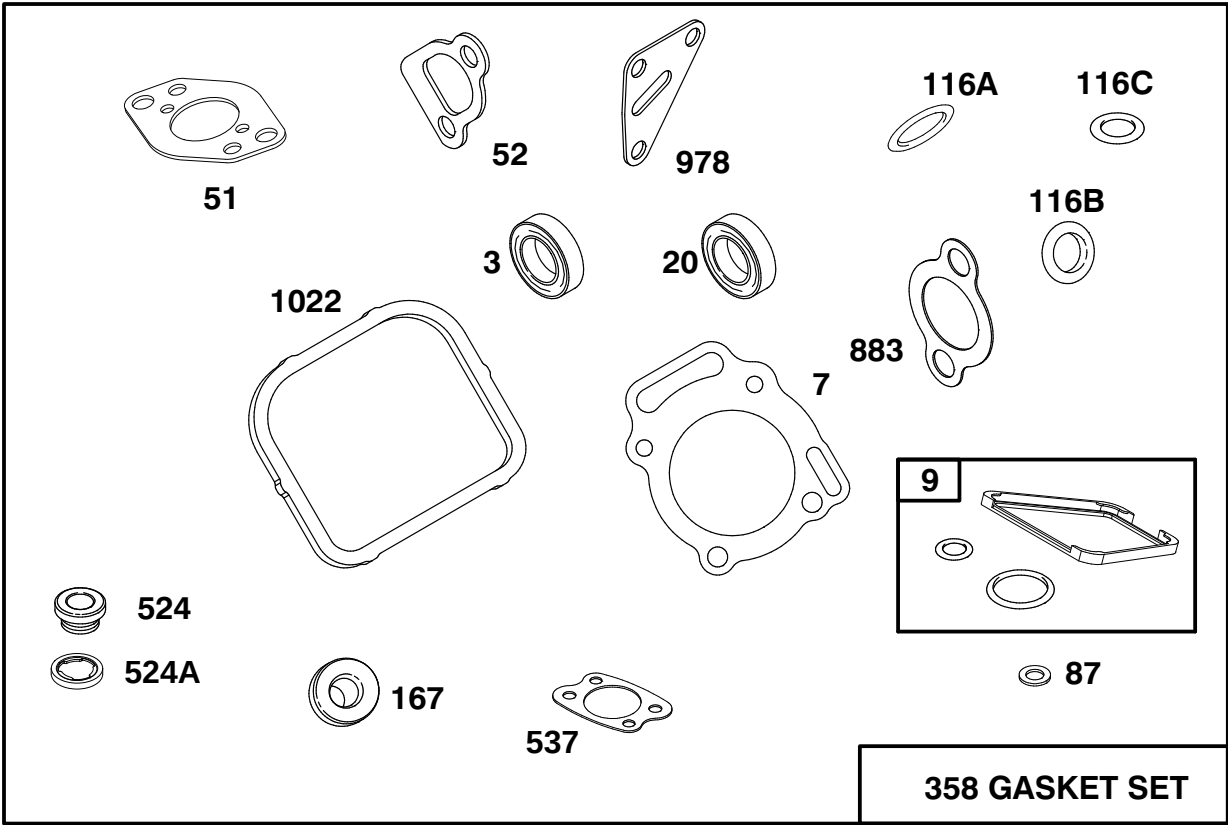
Ref. No.	Part No.	Description	No. Used
501	394890	Regulator-Alternator	1
507	398525	Insulator	1
520	93722	Terminal-Spade	1
526	805448	Screw-Hex. Hd.	1
529	805641	Grommet	1
726	808162	Gear-Flywheel Ring (Includes Mounting Hardware)	1
729	280470	Clip-Wire	1
851	493880	Terminal-Ignition Cable	1
877	393537	Wire-Alternator	1
1054	280275	Tie-Cable	1



ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
188	805247	Screw-Hex. Head	1
309	808106	Motor-Starter	1
310	496880	Bolt-Thru	1
510	496881	Drive-Starter	1
544	496816	Armature-Starter	1

Ref. No.	Part No.	Description	No. Used
801	496814	Cap-Drive	1
802	496813	Cap-End	1
		Note: Includes 496887 Brush Set.	
803	496815	Housing-Starter	1



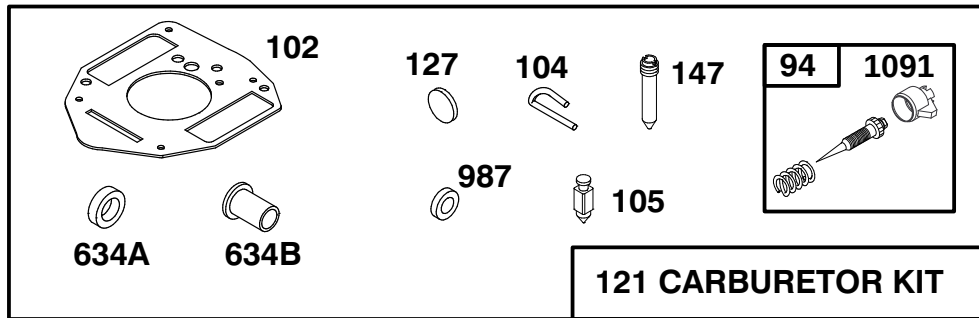
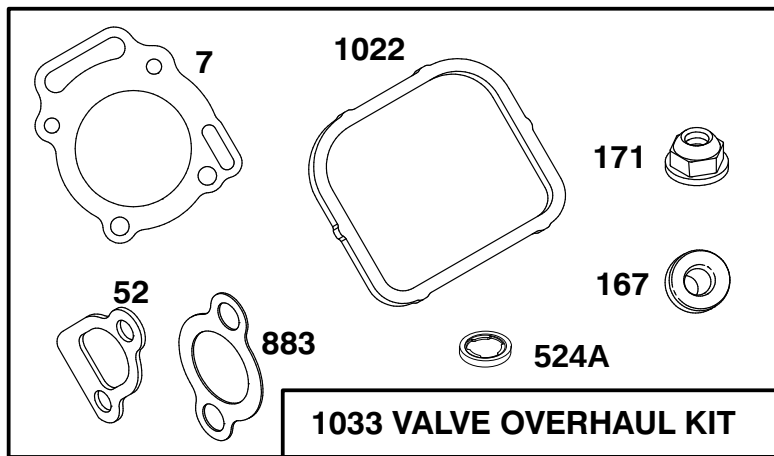
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
*3	805101	Seal-Oil	1
*‡7	806085	Gasket-Cylinder Head	1
*9	807688	Gasket-Breather	1
*20	805049	Seal-Oil	1
*51	805700	Gasket-Carburetor Mtg.	1
‡52	805023	Gasket-Intake Manifold	1
*87	805054	Seal-Governor Shaft	1
*116A	805386	O-Ring (Dipstick)	1
*116B	805058	O-Ring (Oil Pump)	1

Ref. No.	Part No.	Description	No. Used
*116C	805316	O-Ring (Pick-Up Tube)	1
*‡167	805420	Washer-Valve Cover	1
358	808390	Gasket Set	1
*524	281370	Seal-Fill Tube	1
*‡524A	271983	Seal-Filler Plug	1
*537	805655	Gasket-Air Cleaner	1
*883	805024	Gasket-Exhaust Manifold	1
*978	805250	Gasket-Oil Filter Adapter	1
*‡1022	806039	Gasket-Valve Cover	1

*Included in Gasket Set-Part No. 808390.
‡Included in Valve Overhaul Kit-Part No 808392.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
*†7	806085	Gasket—Cylinder Head	1	†171	805019	Nut—Nylock	1
*†52	805023	Gasket—Intake Manifold	1	*†524A	271983	Seal—Filler Plug	1
†94	808257	Valve—Idle Adjust	1	†634A	805557	Collar—Throttle	1
†102	805541	Gasket—Carburetor Body	1	†634B	805543	Collar—Choke	1
†104	805545	Pin—Float Hinge	1	*†883	805024	Gasket—Exhaust Manifold	1
†105	805547	Valve—Fuel Inlet	1	†987	805544	Seal—Shaft	1
121	808273	Carburetor Kit	1	*†1022	806039	Gasket—Valve Cover	1
†127	805559	Plug—Welch	1	1033	808392	Overhaul Kit—Valve	1
†147	805553	Jet—Slow Speed	1	†1091	805862	Cap—Limiter	1
*†167	805420	Washer—Valve Cover	1				

*Included in Gasket Set—Part No. 808390.

†Included in Carburetor Kit—Part No. 808273.

‡Included in Valve Overhaul Kit—Part No. 808392.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-0348	Bushing-Sleeve	3	11	6	29-9090	Hose-Handle	35	4	1
3-0348	Bushing-Sleeve	4	14	6	36-4310	Brush	35	5	1
3-0348	Bushing-Sleeve	6	22	6	36-7250	Basket-Grass	2	*	3
3-1506	Bushing-Flange	1	24	2	38-0410	Nut-Hex.	14	53	1
3-1506	Bushing-Flange	3	16	4	38-0410	Nut-Hex.	16	59	1
3-1506	Bushing-Flange	4	30	4	42-2680	Race R. Detent	13	46	1
3-1506	Bushing-Flange	6	38	4	43-2830	Nut-Hex	26	33	1
3-4808	Nut-Wing	36	1	1	43-5930	Washer-Lock	26	25	2
3-6657	Clip-Skid	36	4	2	43-8600	Spring-Compression	19	21	1
3-6685	Spring-Compression	19	17	1	43-8610	Seat-Ball	19	20	1
5-0946	Key-Square	27	12	1	43-8620	Guide-Switch	19	23	1
5-0946	Key-Square	28	16	1	43-8860	Plunger-Switch	19	22	1
5-1226	Washer-Shim	3	10	2	43-8870	Boot-Switch	19	26	1
5-1226	Washer-Shim	4	16	2	43-9071	Asm-Seat Switch	19	*	1
5-1226	Washer-Shim	6	24	2	44-0870	Shaft-Cam	10	5	1
10-6060	Pin-Lift Cylinder	3	7	1	44-2230	Coupling-Rubber	27	16	1
10-6060	Pin-Pivot	4	19	1	44-5560	Head-Oil Filter	20	27	1
10-6090	Pin-Pivot	4	33	1	46-8560	Screw-Self Taping	20	20	3
10-6090	Pin-Pivot	3	37	1	47-2890	Bushing-Sleeve	17	20	2
10-6090	Pin-Pivot	6	41	1	47-5320	Lever-Control	10	40	1
10-6110	Pin-Hinge	3	3	1	47-6990	Nut-Steering Wheel	17	10	1
10-6110	Pin-Pivot	4	24	1	49-2040	Screw-HH	26	27	4
10-6730	Stud-Drive	29	18	4	49-5430	Rod-Control	10	1	1
10-6821	Asm-Brake Drum	8	*	2	49-5430	Rod-Control	1	4	1
10-6850	Drum-Brake	8	6	2	49-5880	Shaft-Seat Support	19	27	1
10-6870	Hub-Wheel	8	5	2	49-6110	Guard-Transfer Rod	1	6	1
10-7070	Key-Square	27	20	1	49-6120	Pad-Footrest	1	13	1
10-7820	Asm-Pivot Hinge	3	12	1	49-6200	Lever-Cutting Control	2	42	1
10-7820	Asm-Pivot Hinge	4	25	1	49-6220	Bracket-Control Arm	10	9	1
10-7820	Asm-Pivot Hinge	6	33	1	49-6250	Bracket-Traction Pivot	10	35	1
10-7850	Latch-Parking Brake	1	23	1	49-6260	Asm-Pivot, Traction	10	21	1
10-8100	Strap-Brake Shaft	1	31	2	49-6290	Shaft-Traction Pivot	10	37	1
10-8110	Washer-Thrust	3	9	6	49-6440	Pedal-Forward	10	42	1
10-8110	Washer-Thrust	4	15	6	51-0350	Pin-Seat Spring	19	16	1
10-8110	Washer-Thrust	6	23	6	51-0780	Slider-Seat	19	31	1
10-8140	Spring-Torsion	1	7	1	51-0790	Adjuster-Seat	19	6	1
11-0160	Asm-Roller Shaft Screw	3	14	2	52-1990	Piston	5	3	1
11-0160	Asm-Roller Shaft Screw	4	28	2	52-2720	Asm-Roller	3	20	1
11-0160	Asm-Roller Shaft Screw	6	36	2	52-2720	Asm-Roller	4	35	1
12-3270	Screw-HWH	26	17	4	52-2720	Asm-Roller	6	43	1
12-3270	Screw-HWH	10	38	1	52-5860	Collar-Spool	16	51	1
12-3270	Screw-Thread Forming	12	50	1	52-5880	Ball-Steel	13	47	12
12-9140	Decal	35	1	1	52-5900	Screw-Fillister Hd.	15	37	4
17-9420	Screw-Traction Stop	10	34	1	52-9230	Ring-Retaining	18	2	1
18-6320	Washer-Steering	29	6	4	52-9250	Kit-Needle Bearing	18	*	1
20-0070	Tube	36	5	1	52-9260	Screw-Set	18	26	1
20-0080	Rod	36	7	1	52-9270	Seat-Ball Check	18	24	1
20-0110	Bracket-Alignment	36	2	1	52-9280	Ball-Check	18	22	1
21-8470	Shaft-Roller	3	21	1	52-9290	Retainer-Ball Check	18	21	1
21-8470	Shaft-Roller	4	36	1	56-7720	Bolt-Battery	20	17	2
21-8470	Shaft-Roller	6	44	1	56-7970	Clamp Half-Tube	2	45	2
22-6090	Washer-Thrust	35	4	1	56-7971	Clamp-Tube	30	55	2
23-8840	Puller-Bolt	35	3	1	57-6140	Clamp Half-Tube	8	20	2
23-8850	Tube-Support	35	5	1	57-6220	Link	10	17	5
23-8860	Pin-Bearing Rplcmnt.	35	6	1	57-7650	Spring-Torsion	4	11	1
23-8880	Driver-Bearing	35	1	2	57-7650	Spring-Torsion	6	18	1
26-3790	Nut-Lock	8	4	2	57-7650	Spring-Torsion	3	32	1
27-1960	Hub-Engine	27	21	1	59-6730	Race-Bearing	18	8	2
27-1970	Hub-Pump	27	22	1	59-6740	Bearing-Needle Thrust	18	9	1
27-2270	Rod-Brake Adjusting	1	29	2	59-6830	Kit-Centering Pin	18	20	1
27-2320	Bearing-Flange	10	7	2	61-3310	Plate-Logo	20	21	1
27-2320	Bearing-Flange	2	33	2	62-2420	Bar-Lift, Center	6	8	1
27-2380	Spacer	20	32	2	62-2440	Asm-Lift Arm	4	8	1
27-2550	Pin-Pivot	6	27	1	62-2460	Asm-Lift Arm LH	3	29	1
27-6600	Spacer-Coupling	27	15	4	63-3850	Hose-Hydraulic	11	31	1
28-1400	Battery	20	11	1	63-3850	Hose-Hydraulic	3	39	1
28-3680	Tire	8	2	2	63-4020	Tube-Hydraulic	33	17	1
28-3680	Tire	29	25	1	63-4020	Tube-Hydraulic	11	40	1
28-4210	Solenoid-Starter	20	5	1	63-4030	Tube-Hydraulic	33	18	1
28-8080	Boot Terminal (Red)	20	13	1	63-4030	Tube-Hydraulic	11	41	1
29-9080	Handle	35	3	1	63-4040	Asm-Hydraulic Tube	33	4	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
63-4040	Tube-Hydraulic	11 35 1	83-0700	Handle-Lockup	17 18 1
63-4050	Fitting-Tee	11 42 2	83-0730	Spacer-Lockup	17 15 1
63-8360	Key-Ignition	21 17 1	83-0740	Disc-Friction	17 14 2
63-8410	Washer-Flat	24 4 4	83-0750	Screw-HH LH	17 6 1
63-8410	Washer-Flat	23 36 3	83-0760	Plate-Lockup	17 16 1
63-8750	Pin-Pivot	6 9 1	83-0780	Support-Steering Valve	17 4 1
63-8750	Pin-Pivot	4 10 1	83-0810	Cover-Steering Valve	17 25 1
63-8750	Pin-Pivot	3 33 1	83-0830	Panel-Control Upper	20 33 1
63-9920	Decal-EEC	20 43 1	83-0840	Fender-LH	20 19 1
65-6390	Washer-Thrust	17 13 1	83-0870	Fitting-Hydraulic Straight	23 32 3
65-8320	Bar-Gauge	2 * 1	83-0910	Hose-Hydraulic	23 30 2
66-2950	Gauge-Hourmeter	21 5 1	83-0910	Hose-Pump	27 11 2
67-1300	Decal-TORO	20 39 1	83-1030	Mount-Engine	26 4 3
67-8113	Cap-End	18 18 1	83-1040	Washer-Mount	26 2 3
68-5100	Rod-Seat Prop	19 10 1	83-1050	Spacer-Mount	26 3 2
68-5130	Asm-Steering Wheel	17 11 1	83-1060	Adapter-Pump	26 10 1
68-5140	Cap-Steering Wheel	17 9 1	83-1080	Pipe-Exhaust	26 7 1
68-5260	Fitting-Manifold Tee	11 37 1	83-1150	Wire-Engine Ground	22 4 1
68-5310	Clip-Seat Rod	19 12 1	83-1150	Wire-Engine Ground	26 38 1
68-5380	Asm-Lift Arm	6 21 1	83-1220	Plate-Clamp	8 21 1
68-5560	Pin-Cylinder Pivot	6 26 1	83-1270	Asm-Seat Support	19 7 1
68-5880	Hose-Hydraulic	20 30 1	83-1350	Hose-Hydraulic	27 7 1
68-6150	Breather	23 44 1	83-1350	Hose-Hydraulic	17 26 3
69-9760	Plate-Cover	2 50 1	83-1350	Hose-Hydraulic	11 45 1
70-1480	Relay	21 26 1	83-1350	Hose-Hydraulic	30 52 1
70-2780	Piston	7 4 1	83-1360	Hose-Hydraulic	17 27 1
70-7130	Asm-Tube	11 3 1	83-1360	Hose-Hydraulic	30 51 1
70-8250	Drive	18 16 1	83-1390	Fitting-Fuel Shut-Off	24 15 1
70-9840	Shoe-Brake	8 8 4	83-1400	Shield-Muffler	26 16 1
70-9850	Clip-Retaining	8 23 2	83-1420	Column-Steering	17 23 1
70-9860	Cam-Brake	8 27 2	83-1430	Hose-Hydraulic	20 23 1
70-9870	Plate-Backing	8 10 2	83-1430	Hose-Hydraulic	23 34 1
70-9880	Spring-Return	8 7 4	83-1450	Sensor-Oil Level	23 3 1
71-0990	Orifice	11 43 1	83-1460	Asm-Solenoid Valve	23 28 1
71-1500	Asm-Brake	8 * 2	83-1470	Washer-Neoprene	23 18 4
72-3850	Seal-Filter	20 28 1	83-1520	Screen-Filler	23 6 1
72-4320	Switch-Ball	19 18 1	83-1530	Bracket-Alarm	21 23 1
72-4790	Hold-Down-Battery	20 16 1	83-1550	Spacer-Tank (Short)	23 17 2
74-0720	Tube-Manual	19 3 1	83-1560	Spacer-Tank (Long)	23 23 2
74-3570	Filter-Hydraulic Oil	20 29 1	83-1630	Bracket-Muffler Support	26 24 1
74-3810	Asm-Load Plate	34 9 1	83-1640	Asm-Rod End	29 16 1
74-9100	Pad-Forward Pedal	10 25 1	83-1660	Asm-Switch	21 6 1
74-9110	Pad-Reverse Pedal	10 23 1	83-1670	Fitting-Special	11 27 1
75-0540	Tether-Cap	23 9 1	83-1680	Hose-Hydraulic	6 13 1
76-0410	Spring	2 54 1	83-1680	Hose-Hydraulic	11 30 1
76-0800	Kit-Seal	31 * 1	83-1690	Hose-Hydraulic	11 21 1
76-0800	Kit-Seal	9 * 1	83-1690	Hose-Hydraulic	3 40 1
76-0810	Asm-Housing	9 * 1	83-1700	Bushing-Flange	8 33 2
76-0840	Manifold	9 22 1	83-1700	Bushing-Flange	17 35 1
76-0850	Bearing-Thrust	31 11 1	83-1840	Cover-RH	19 32 1
76-0850	Bearing-Thrust	9 12 1	83-1860	Kit-Centering Spring	18 12 1
76-0860	Shaft-Coupling	9 11 1	83-1870	Gerotor	18 17 1
76-0870	Plate-Wear	9 18 1	83-1880	Asm-Control Parts	18 * 1
76-0880	Asm-Commutator	31 * 1	83-1890	Switch-Ball	14 54 1
76-0880	Asm-Commutator	9 * 1	83-1890	Switch-Ball	16 60 1
76-0940	Asm-End Cover	9 24 1	83-1940	Guard-Pump	27 30 1
76-1850	Clevis	5 13 1	83-2000	Spool-Valve	23 42 1
78-0080	Clamp-Mounting	21 9 1	83-2010	Coil-Valve	23 43 1
83-0030	Control-Throttle	21 12 1	83-2030	Plate-Filler	21 3 1
83-0040	Control-Choke	21 13 1	83-2040	Hose-Fuel	24 14 1
83-0060	Lift-Pivot	1 26 1	83-2070	Hose-Valve	23 14 1
83-0080	Spring-Torsion	1 25 1	83-2080	Hose-Valve-Tank	23 29 1
83-0140	Pedal-Mow	2 38 1	83-2090	Hose-Overflow	23 15 1
83-0160	Shaft-Brake	2 48 1	83-2100	Tank-Auxiliary Hydraulic	23 26 1
83-0190	Cover-RH	8 18 1	83-2200	Nut-Special	24 8 1
83-0200	Cover-LH	1 17 1	83-2220	Deflector-Exhaust	26 20 1
83-0540	Pedal-Traction	10 24 1	83-2230	Screw-HH	26 22 4
83-0580	Rod-Traction Control	10 32 1	83-2240	Arrestor-Spark	26 * 1
83-0630	Arm-Traction Pivot	10 29 1	83-2250	Gauge-Sight	23 25 1
83-0640	Plate-Footrest	1 12 1	83-2280	Timer-Relay	21 27 1
83-0650	Arm-Steering	17 3 1	83-2310	Shield	26 35 1

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83-2340	Cap-Threaded	32 2 2	92-8697	Plate-Wear	18 15 1
83-2350	Cap-Head, Thread	32 5 2	92-8795	Asm-Body	34 10 1
83-2360	Asm-Rod	32 9 1	92-8796	Pin-Dowel	34 14 2
83-2370	Asm-Barrel	32 12 1	92-8863	Kit-Repair	34 * 1
83-2380	Kit-Seal Repair	32 * 1	92-8966	Reservoir-Hydraulic	23 5 1
83-2390	Pad-Tank	23 2 1	92-9152	Asm-Hub, Wheel	29 17 1
83-2400	Spacer-Tank	23 1 2	92-9159	Washer	29 22 2
83-2420	Cable-Positive	22 3 1	92-9164	Asm-Frame	20 18 1
83-2430	Boot-Terminal	20 48 1	92-9165	Seal-Grease	29 23 2
83-2480	Decal-Parking Brake	1 9 1	92-9166	Washer-Thrust	29 21 4
83-2490	Decal-Service (Japanese)	19 34 1	92-9167	Roller-Clutch	29 20 4
83-2510	Decal-Steering Arm	17 32 1	92-9169	Motor-Hydraulic	29 40 1
83-2520	Decal-Warning (Japanese)	17 5 1	92-9176	Frame-Pull LH	3 24 1
83-2530	Decal-Mow/Lift (Japanese)	1 14 1	92-9177	Frame-Pull RH	4 1 1
83-2540	Decal-Traction (Japanese)	20 38 1	92-9197	Hose-Hydraulic	29 7 2
83-2560	Decal-Warning (Japanese)	26 34 1	92-9197	Hose-Hydraulic	29 43 2
83-2570	Plate-Control (Japanese)	21 2 1	92-9199	Motor-Hydraulic	8 22 2
83-2590	Bolt-Eccentric	2 47 1	92-9258	Adapter-Valve, Check	12 57 1
84-2000	Bracket-Brake	8 12 2	92-9752	Decal-3WD	30 56 2
84-2203	Asm-Control Valve	16 * 1	92-9753	Asm-Housing	31 * 1
84-2203	Asm-Control Valve	11 16 1	92-9754	Plate-Wear	31 16 1
84-3180	Decal-Oil (Japanese)	19 33 1	92-9755	Manifold	31 20 1
84-5300	Nut-Jam	29 48 1	92-9756	Screw-HH	31 13 1
84-6560	Decal-Danger (Japanese)	4 3 1	92-9757	Rotor Set	31 * 1
84-6560	Decal-Danger (Japanese)	6 3 1	92-9758	Link-Drive	31 12 7
84-6560	Decal-Danger (Japanese)	3 13 1	92-9759	Asm-End Cover	31 22 1
84-9240	Decal-Service (Spanish)	19 34 1	92-9760	Shaft-Coupling	31 10 1
84-9250	Decal-Service (French)	19 34 1	92-9761	Link-Drive	9 13 7
84-9260	Decal-Service (German)	19 34 1	92-9762	Screw-HH	9 14 1
84-9270	Decal-Service (Swedish)	19 34 1	92-9763	Rotor Set	9 * 1
84-9280	Decal-Service (Italian)	19 34 1	92-9764	Asm-Hydraulic Pump	27 9 1
85-6540	Stud-Drive	8 28 8	92-9766	Plate-Gear 66B	28 14 1
85-8120	Plate-Engine Mount	26 28 1	92-9767	Asm-Hose, Cylinder Lift	4 39 2
85-8940	Flange-Bearing, Lube	29 36 1	92-9767	Hose-Hydraulic	11 18 2
85-8950	Flange-Bearing	29 38 1	92-9772	Shaft-Drive	28 20 1
86-9820	Frame-Pull Rear	6 1 1	92-9773	Gear-58B	28 21 1
88-8350	Tab-Bearing	29 30 1	92-9774	Asm-Idler Shaft-Gear	28 12 1
88-9630	Lift Pivot Bracket RH	2 40 1	93-0113	Asm-Tube	11 5 1
88-9640	Lift Pivot Bracket LH	1 28 1	93-0114	Asm-Tube, Rear Top	29 4 1
88-9660	Shaft-Cutting Control	2 36 1	93-0114	Asm-Tube, Rear Top	12 55 1
88-9700	Hose-Hydraulic	6 15 1	93-0115	Asm-Tube, Rear Bottom	29 3 1
88-9700	Hose-Hydraulic	11 20 1	93-0115	Asm-Tube, Rear Bottom	12 56 1
88-9830	Asm-Ignition Switch	21 14 1	93-0116	Hose-Fuel	24 11 1
89-9760	Cover-Plate	29 2 1	93-0117	Hose-Fuel	24 17 1
92-0585	Asm-Pull Arm RH	3 19 1	93-0314	Hose-Hydraulic	12 58 1
92-0585	Asm-Pull Arm RH	4 34 1	93-1386	Asm-Section #5	16 * 1
92-0585	Asm-Pull Arm RH	6 42 1	93-2096	Arm-Brake	8 24 2
92-0586	Asm-Pull Arm LH	3 17 1	93-2384	Spacer-Carrier	6 31 1
92-0586	Asm-Pull Arm LH	4 31 1	93-2529	Fork-Castor	29 29 1
92-0586	Asm-Pull Arm LH	6 39 1	93-2548	Decal-Greensmaster 3100	2 46 1
92-1180	Asm-Seat	19 5 1	93-2554	Valve-Needle	12 53 1
92-2545	Seals-Spool	14 * 1	93-2555	Fitting-Valve Body	11 17 1
92-2545	Seals-Spool	16 * 1	93-2556	Asm-Needle Valve	12 * 1
92-2546	Wiper-Seal	13 25 4	93-3651	Retainer-Boot	13 22 2
92-2546	Wiper-Seal	16 64 5	93-3651	Retainer-Boot	15 47 3
92-2547	Plate-Seal Retainer	15 18 5	93-3652	Asm-Boot-Spool	14 * 2
92-2547	Plate-Seal Retainer	13 24 4	93-3652	Asm-Boot-Spool	16 * 3
92-2548	Seal-Spool, Single	14 * 1	93-6668	Decal-Danger	20 45 1
92-2548	Seal-Spool, Single	16 * 1	93-7160	Cap-Hydraulic Reservoir	23 8 1
92-2549	Seals-Spool	16 * 1	93-7170	Cap-Fuel	24 1 1
92-3148	Spring	15 23 1	93-7252	Decal-CE Mark	20 46 1
92-4063	Plug-Filler Cap	23 7 1	93-7257	Decal-Service	19 34 1
92-5524	Decal-Noise	20 42 1	93-7258	Decal-Service (Norwegian)	19 34 1
92-6533	Kit-Cushion	19 35 1	93-7259	Decal-Service (Finnish)	19 34 1
92-6534	Shell	19 36 1	93-7260	Decal-Service (Danish)	19 34 1
92-7189	Tank-Fuel	24 2 1	93-7261	Decal-Service (Dutch)	19 34 1
92-8020	Adapter-Breather	23 21 1	93-7276	Decal-Danger	20 44 1
92-8690	Asm-Steering-Valve	17 24 1	93-7629	Pad-Brake	2 49 1
92-8691	Bushing-Seal Gland	18 3 1	93-7630	Pad-Mow	2 39 1
92-8695	Kit-Seal	18 * 1	93-7631	Pad-Lift	2 37 1

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93-8062	Decal-Parking Brake	1 9 1	99-6850	Spring-Centering	16 65 1
93-8063	Decal-Warning	17 5 1	99-6895	Bonnet	15 27 2
93-8064	Decal-Danger	4 3 1	99-8159	Asm-Hydraulic Cylinder.	4 22 1
93-8064	Decal-Danger	6 3 1	99-8159	Cylinder-Lift	3 6 1
93-8064	Decal-Danger	3 13 1	99-8160	Asm-Hydraulic Cylinder	6 10 1
93-8065	Decal-Traction	20 38 1	99-8162	Kit-Repair	7 * 1
93-8067	Decal-Oil	19 33 1	99-8163	Kit-Seal	5 * 1
93-8068	Decal-Steering Arm	17 32 1	99-8180	Positioner-R. Detent (Out)	14 * 1
93-8069	Decal-Warning	26 34 1	99-8181	Bonnet-R. Detent	13 42 1
93-8075	Decal-Mow/Lift	1 14 1	99-8182	Section #1 Complete	14 * 1
93-9898	Decal-Lock	2 57 1	99-8183	Asm-Section #3	16 * 1
93-9901	Bracket-Lock Out, Mow	2 58 1	217-60	Rim	8 3 2
93-9903	Pin-Lock Out, Mow	2 56 1	217-60	Rim	29 26 1
93-9904	Arm-Lock Out, Mow	2 55 1	218-461	Nut-Hex.	21 16 2
93-9934	Asm-Traction Handle	10 12 1	218-461	Nut-Hex.	19 25 2
93-9936	Bracket-Return, Traction	10 44 1	218-498	Nut-Hex.	21 19 2
93-9937	Asm-Cable, Traction	10 45 1	218-578	Fuse-10 Amp	21 7 1
94-2690	Asm-Filter, Fuel	24 13 1	218-588	Screw	21 37 3
94-2694	Cover-RH	20 2 1	218-589	Washer-Lock	21 36 1
94-3506	Asm-Reel Motor	33 8 3	2112-11	Clamp-Muffler	26 14 1
94-3507	Asm-Cover	34 4	232-24	Stem-Valve	8 1 2
94-3508	Asm-Drive Shaft	34 7 1	232-27	Valve Stem w/Cap	29 28 1
94-3509	Asm-Idle Gear	34 6 1	232-37	Tube-Inner (Optional)	30 * 1
94-4248	Collar Spool	15 26 1	233-48	Knob	10 11 1
94-5434	Spool #5	15 1 1	233-48	Knob	17 17 1
94-5586	Bar-Lift LH	3 30 1	237-7	O-Ring	19 24 1
94-5588	Bar-Lift, RH	4 9 1	237-21	O-Ring	27 6 1
94-8036	Decal-Service	19 34 1	237-21	O-Ring	11 19 6
95-1628	Hinge-Upper	1 8 1	237-21	O-Ring	17 29 4
95-1629	Hinge-Lower	1 22 1	237-21	O-Ring	29 45 2
95-5984	Hose-Hydraulic	33 1 1	237-22	O-Ring	27 2 3
95-5985	Hose-Hydraulic	33 2 1	237-22	O-Ring	11 11 7
95-5986	Hose-Hydraulic	33 12 1	237-22	O-Ring	33 11 5
95-5986	Hose-Hydraulic	11 28 1	237-30	O-Ring	33 3 5
95-5987	Hose-Hydraulic	33 5 1	237-30	O-Ring	29 5 4
95-5987	Hose-Hydraulic	11 36 1	237-30	O-Ring	11 7 2
95-5988	Hose-Hydraulic	33 16 1	237-30	O-Ring	19 19 1
95-5989	Hose-Hydraulic	33 13 1	237-30	O-Ring	27 27 1
98-0603	Boot-Terminal (Black)	20 47 1	237-35	O-Ring	6 11 2
98-0616	Muffler	26 19 1	237-42	O-Ring	27 4 4
98-0636	Asm-Engine	26 15 1	237-42	O-Ring	33 9 3
98-0647	Hose-Hydraulic	11 1 1	237-42	O-Ring	11 15 5
98-0647	Hose-Hydraulic (Top)	8 34 1	237-42	O-Ring	17 31 4
98-0648	Hose-Hydraulic	12 48 1	237-54	O-Ring	15 3 6
98-0649	Hose-Hydraulic	27 1 2	237-54	O-Ring	13 6 8
98-0649	Hose-Hydraulic	11 10 2	237-58	O-Ring	11 34 1
98-2150	Hose-Hydraulic	11 22 1	237-65	O-Ring	11 2 7
98-2150	Hose-Hydraulic	27 28 1	237-65	O-Ring	8 15 4
98-2151	Hose-Hydraulic	11 6 1	237-78	O-Ring	6 14 2
98-2151	Hose-Hydraulic	27 8 1	237-78	O-Ring	3 38 2
98-2152	Hose-Hydraulic	11 4 1	237-78	O-Ring	4 38 2
98-2152	Hose-Hydraulic (Bottom)	8 * 1	237-78	O-Ring	29 47 2
98-2153	Hose-Hydraulic	12 51 1	237-79	O-Ring	33 7 3
98-2159	Asm-Audio Alarm	21 25 1	237-79	O-Ring	11 9 5
98-2160	Gauge-Voltmeter	21 4 1	237-79	O-Ring	23 11 5
98-2161	Asm-Wire	22 2 1	237-80	O-Ring	23 4 1
98-2162	Harness-Leak Detector	22 6 1	237-80	O-Ring	8 13 4
98-2163	Harness-Wire (Main)	22 1 1	237-80	O-Ring	27 25 1
98-2163	Harness-Wire (Main)	21 8 1	237-80	O-Ring	11 32 3
98-2163	Harness-Wire (Main)	26 37 1	237-80	O-Ring	29 41 2
98-2165	Cable-Negative	22 5 1	237-81	O-Ring	11 38 1
98-2165	Cable-Negative	26 39 1	237-101	O-Ring	20 26 2
98-2165	Cable-Negative	21 40 1	237-123	O-Ring	23 24 1
99-1460	Asm-Ball Joint Receiver	4 4 2	237-143	Grommet	20 40 2
99-1460	Asm-Ball Joint Receiver	6 4 2	237-177	O-Ring	23 33 3
99-1460	Asm-Ball Joint Receiver	3 25 2	240-11	Grommet	24 3 4
99-1461	Sleeve	4 6 2	240-11	Grommet	23 37 3
99-1461	Sleeve	6 6 2	242-50	Nut-Lug	29 27 4
99-1461	Sleeve	3 27 2	242-50	Nut-Lug	8 29 8
99-1475	Spring-Detent	13 45 1	2410-18	Plug	35 2 1

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2411-42	Joint-Ball LH Thread	10 30 1	322-6	Screw-HH	27 18 4
2411-43	Joint-Ball RH Thread	10 33 1	322-7	Screw-HH	29 1 1
2412-34	Clamp-Hose	27 10 2	322-8	Screw-HH	26 21 2
2412-34	Clamp-Hose	20 24 3	322-14	Screw-HH	23 20 2
2412-34	Clamp-Hose	23 31 3	322-14	Screw-HH	11 39 3
2412-36	Clamp-Hose	23 13 4	322-29	Screw-HH	23 22 2
2412-36	Clamp-Hose	24 16 2	323-4	Screw-HH	17 7 2
2412-39	Clamp-R	21 28 1	323-6	Screw-HH	24 6 3
2412-41	Clamp-R	24 5 3	323-6	Screw-HH	23 35 3
2412-41	Clamp-R	12 47 4	323-8	Screw-HH	27 24 2
2412-81	Clamp-R	26 40 1	323-12	Screw-HH	26 1 3
2412-94	Clamp-R	24 10 1	323-13	Screw-HH	1 5 4
2412-98	Clamp-Hose	24 18 2	323-29	Screw-HH	29 35 3
2412-108	Clamp-Hose	24 12 2	324-7	Screw-HH	26 30 4
2412-133	Clamp-R	19 4 2	325-4	Screw-HH	17 19 2
2412-141	Clamp-Hose	23 41 2	325-11	Screw-HH	8 9 8
251-141	Bearing-Ball	3 22 2	3211-2	Screw-HH	10 19 2
251-141	Bearing-Ball	4 37 2	3217-5	Nut-Hex.	20 12 2
251-141	Bearing-Ball	6 45 2	3217-6	Nut-Hex.	28 1 4
251-352	Asm-Bearing	29 37 1	3217-6	Nut-Hex.	10 48 1
254-61	Cup-Bearing	29 11 2	3217-7	Nut-Hex	13 33 3
254-70	Cone-Bearing	29 10 2	3217-12	Nut-Hex.	30 49 1
256-2	Bushing-Sleeve	10 20 2	3217-25	Nut-Hex.	21 35 2
256-155	Bushing-Flange	10 26 2	3217-27	Nut-Hex.	21 10 2
256-155	Bushing-Flange	19 28 2	3218-13	Nut-Jam	20 8 2
256-251	Bushing-Sleeve	10 10 2	3219-2	Nut-Hex.	36 6 1
282-2	Clevis-Adjusting	1 2 5	3219-14	Nut-Hex.	20 7 2
282-2	Clevis-Rod	10 3 1	3219-18	Nut-Hex.	35 2 1
283-8	Pin-Clevis	3 4 1	3220-2	Nut-Jam	10 2 2
283-8	Pin-Clevis	4 18 1	3220-2	Nut-Jam	1 3 5
283-57	Pin-Clevis	10 8 1	3220-3	Nut-Jam	4 2 2
283-61	Pin-Clevis	1 1 5	3220-3	Nut-Jam	6 2 2
283-61	Pin-Clevis	10 4 1	3220-3	Nut-Jam	3 23 2
283-62	Pin-Clevis	10 46 1	3220-6	Nut-Jam	5 14 1
302-2	Fitting-Grease	6 17 1	3220-6	Nut-Jam	29 32 2
302-2	Fitting-Grease	4 23 1	3220-20	Nut-Jam LH Thread	10 31 1
302-2	Fitting-Grease Straight	3 34 1	3229-22	Bolt-Carriage	1 10 2
302-5	Fitting-Grease	32 13 1	3234-1	Screw-HFH	10 6 4
302-5	Fitting-Grease	1 27 1	3234-1	Screw-HH	2 53 4
302-5	Fitting-Grease	4 29 4	3234-4	Screw-HH	12 46 2
302-5	Fitting-Grease	29 33 1	3241-2	Screw-Set Square Hd.	27 19 2
302-5	Fitting-Grease	2 44 1	3241-6	Screw-Set Square Hd.	27 13 2
302-5	Fitting-Grease Straight	3 15 4	3245-1	Screw-Set, Hex. Soc. Hd.	32 1 2
302-5	Fitting-Grease Straight	6 37 5	3246-3	Screw-Set	17 12 1
302-11	Fitting-Grease 45°	29 12 1	3253-3	Washer-Lock	26 26 4
302-40	Fitting-Grease 90°	29 13 2	3253-3	Washer-Lock	23 39 2
302-60	Fitting-Grease 90°	3 8 2	3253-3	Washer-Lock	16 57 4
302-60	Fitting-Grease 90°	4 17 2	3253-3	Washer-Lock	2 59 1
302-60	Fitting-Grease 90°	6 32 1	3253-4	Washer-Lock	19 2 2
304-61	Clamp-R	11 23 1	3253-4	Washer-Lock	20 9 2
321-2	Screw-HH	23 16 1	3253-4	Washer-Lock	30 57 1
321-3	Screw-HH	20 10 4	3253-6	Washer-Lock	26 29 4
321-3	Screw-HH	19 13 1	3253-19	Washer-Lock	21 38 3
321-3	Screw-HH	2 52 3	3253-21	Washer-Lock	27 23 2
321-4	Screw-HH	1 16 2	3253-21	Washer-Lock	4 27 2
321-4	Screw-HH	8 31 1	3253-21	Washer-Lock	3 35 2
321-5	Screw-HH	21 21 1	3253-21	Washer-Lock	6 35 2
321-5	Screw-HH	8 26 8	3254-1	Washer-Lock	20 6 2
321-11	Screw-HH	8 17 1	3254-5	Washer-Lock	21 15 2
321-11	Screw-HH	23 40 2	3254-6	Washer-Lock	10 18 2
321-11	Screw-HH	2 43 1	3255-7	Washer-Lock	21 29 1
322-1	Screw-HH	3 1 3	3255-8	Washer-Lock	36 9 1
322-1	Screw-HH	4 21 3	3255-20	Washer-Lock	21 34 2
322-1	Screw-HH	6 30 2	3255-25	Washer-Lock	21 31 2
322-1	Screw-HH	27 31 2	3256-1	Washer-Flat	26 18 8
322-2	Screw-HH	19 1 2	3256-1	Washer-Flat	21 20 9
322-3	Screw-HH	6 25 1	3256-1	Washer-Flat	2 51 9
322-3	Screw-HH	26 32 6	3256-22	Washer-Flat	20 3 5
322-4	Screw-HH	27 32 2	3256-22	Washer-Flat	8 30 2
322-4	Screw-HH	20 36 4	3256-22	Washer-Flat	23 45 1

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3256-23	Washer-Flat	3 2 3	3296-42	Nut-Lock	8 25 8
3256-23	Washer-Flat	27 17 8	3296-59	Nut-Lock	10 15 4
3256-23	Washer-Flat	4 20 3	3296-59	Nut-Lock	2 34 8
3256-23	Washer-Flat	26 23 2	32103-12	Nut-Wing	20 14 2
3256-23	Washer-Flat	6 28 3	32104-76	Screw-Self Tapping	20 1 5
3256-23	Washer-Flat	19 30 4	32104-95	Screw-HH	21 39 1
3256-23	Washer-Flat	20 35 4	32108-100	Screw-Flat Hd.	8 16 1
3256-24	Washer-Flat	10 14 6	32121-6	Pin-Roll	10 39 1
3256-24	Washer-Flat	4 26 2	32121-6	Pin-Roll	2 41 1
3256-24	Washer-Flat	6 34 2	32121-35	Pin-Roll	2 32 8
3256-24	Washer-Flat	3 36 2	32121-45	Pin-Roll	19 14 1
3256-26	Washer-Flat	4 12 1	32121-45	Pin-Roll	10 28 1
3256-26	Washer-Flat	6 20 1	32121-51	Pin-Roll	10 43 1
3256-26	Washer-Flat	3 31 1	32122-35	Screw-Truss Head	36 8 1
3256-26	Washer-Flat	17 34 2	32128-20	Nut-Flange Lock	26 31 8
3256-28	Washer-Flat	30 50 1	32128-20	Nut-HFH	36 3 1
3256-38	Washer-Flat	2 35 6	32128-20	Nut-HFH	11 24 3
3256-63	Washer-Flat	24 7 1	32128-20	Nut-HFH	10 27 1
3256-71	Washer-Flat	23 19 4	32128-20	Nut-HFH	27 29 2
3256-80	Washer-Flat	17 2 3	32128-33	Nut-HFH	1 18 2
3257-42	Key-Woodruff	8 11 2	32128-33	Nut-Lock	8 32 1
3257-42	Key-Woodruff	9 17 1	32136-9	Nut-Hex. Slotted	29 8 1
3272-4	Pin-Cotter	10 13 1	32141-111	Nut-HFH	1 11 1
3272-6	Pin-Cotter	1 30 5	32144-21	Screw-Round Hd.	17 8 2
3272-6	Pin-Cotter	10 41 1	32148-6	Insert-Threaded	1 19 8
3272-10	Pin-Cotter	10 47 1	32149-2	Nut-Lock	20 37 2
3272-11	Pin-Cotter	3 5 2	32149-7	Nut-Lock	20 41 2
3272-11	Pin-Cotter	19 9 1	32151-10	Ring-Retainer	29 24 2
3272-11	Pin-Cotter	4 13 2	32151-41	Ring-Retaining	34 13 1
3272-11	Pin-Cotter	6 19 1	32152-10	Nut-Hex.	7 2 1
3272-37	Pin-Cotter	29 9 1	32152-10	Nut-Lock	5 2 1
3273-26	Screw-HSH	21 18 4	33113-012	Screw-HH	24 9 1
3274-7	Screw-HSH	26 9 2	33113-016	Screw-HH	26 36 1
3274-12	Screw-HSH	19 29 4	340-1	Fitting-Hydraulic Straight	17 30 4
3274-15	Screw-Fillister Hd.	13 43 2	340-7	Fitting-Hydraulic	29 42 2
3274-31	Screw-Hex. Socket Hd.	1 15 4	340-14	Fitting-Hydraulic 45°	8 14 4
3274-39	Screw-HH	17 21 6	340-14	Fitting-Hydraulic 45°	12 54 1
3274-52	Screw-Hex. Socket Hd.	13 20 4	340-16	Fitting-Hydraulic 90°	11 33 1
3274-52	Screw-Hex. Socket Hd.	15 45 6	340-18	Fitting-Hydraulic 90°	11 13 1
3274-63	Screw-HSH	17 33 2	340-77	Fitting-Hydraulic 90°	33 10 2
3274-69	Screw-HSH	21 1 8	340-77	Fitting-Hydraulic 90°	11 14 2
3274-70	Screw-Hex. Socket Hd.	13 1 2	340-82	Fitting-Hydraulic 90°	27 5 1
3274-80	Screw-HH	17 1 3	340-82	Fitting-Hydraulic 90°	11 44 1
3274-84	Screw-HSH	16 58 4	340-87	Fitting-Hydraulic 45°	27 3 3
3274-91	Screw-HSH	20 4 3	340-87	Fitting-Hydraulic 45°	33 15 1
3274-93	Screw-HSH	29 44 2	340-98	Fitting-Hydraulic 90°	33 14 3
3284-3	Pin-Groove	19 15 1	340-101	Fitting-Hydraulic 45°	11 8 1
3290-277	Nut-Speed	17 22 6	340-103	Fitting-Hydraulic 45°	6 12 2
3290-317	Washer-Wave	3 18 2	340-105	Fitting-Hydraulic 90°	27 26 1
3290-317	Washer-Wave	4 32 2	340-132	Fitting-Hydraulic 90°	29 46 2
3290-317	Washer-Wave	6 40 2	340-138	Fitting-Hydraulic 45°	11 12 2
3290-357	Nut-HFH	26 8 3	340-151	Fitting-Tee	12 59 1
3290-378	Tie-Cable	26 41 1	351-78	Edging	19 40 1
3290-379	Tie-Cable	6 46 1	353-301	Poppet	13 27 1
3290-470	Screw	20 22 2	353-302	O-Ring	15 7 3
3290-496	Nut-Retaining	29 14 1	353-302	O-Ring	13 10 3
3296-4	Nut-Lock	10 22 2	353-303	Ring-Backup	15 8 6
3296-16	Nut-Lock	19 11 1	353-303	Ring-Backup	13 9 6
3296-16	Nut-Lock	1 21 2	353-304	Spring	13 28 1
3296-16	Nut-Lock	21 24 9	353-305	O-Ring	15 5 5
3296-16	Nut-Lock	20 34 3	353-305	O-Ring	13 8 4
3296-16	Nut-Lock	12 49 2	353-306	Ring-Backup	15 4 5
3296-23	Nut-Lock	8 19 8	353-306	Ring-Backup	13 7 4
3296-23	Nut-Lock	29 39 2	353-328	Washer-Shim	13 15 A/R
3296-27	Nut-Lock	21 11 4	353-328	Washer-Shim	15 32 A/R
3296-29	Nut-Lock	19 8 4	353-329	Washer-Shim	13 16 A/R
3296-29	Nut-Lock	27 14 4	353-329	Washer-Shim	15 33 A/R
3296-29	Nut-Lock	10 16 3	353-330	Washer-Shim	13 17 A/R
3296-29	Nut-Lock	6 29 1	353-330	Washer-Shim	15 34 A/R
3296-39	Nut-Lock	1 20 2	353-331	O-Ring	13 29 1

*Not Illustrated

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353-334	Cap-Relief	13	19	2	353-844	Plus Series	16	55	1
353-334	Cap-Relief	15	36	2	353-845	Sleeve-Detent	15	41	1
353-392	Seal-Relief Poppet PTFE	13	13	2	353-846	Spud-DI (SPL)	15	40	1
353-392	Seal-Relief Poppet PTFE	15	30	2	353-847	Bonnet (SPL)	15	38	1
353-398	Spring	15	35	1	353-848	O-Ring	15	14	1
353-417	Collar Spring	15	20	3	353-849	Sleeve	15	39	1
353-417	Collar Spring	13	40	2	353-850	O-Ring	16	56	1
353-481	Plug-Load Check	15	2	3	353-851	Body-Relief CP-RC Mod.	13	12	1
353-481	Plug-Load Check	13	5	3	353-851	Body-Relief CP-RC Mod.	15	29	2
353-483	Body-Anticavitation	16	61	1	353-853	Bolt-HH	15	10	3
353-484	Retainer-Ball	16	62	1	353-855	Spring	13	18	2
353-529	Plate Seal	15	22	1	353-855	Spring	15	44	1
353-531	Asm-Poppet	13	14	2	353-884	Key-Woodruff	28	19	4
353-531	Asm-Poppet	15	31	2	353-886	Ring-Retaining	28	18	2
353-550	Asm-Plug	15	13	1	353-922	Seal-Ring	28	23	10
353-550	Plug-Hydraulic	23	38	1	353-923	Asm-Bearing Plate	28	26	2
353-563	Fitting-Hydraulic Straight	20	25	1	353-952	Ring-Backup	13	32	1
353-564	Fitting-Hydraulic 90°	20	31	1	353-953	Asm-Plug	16	54	1
353-575	Boot-Dust Cap	13	21	2	353-957	Seal-Lip	15	15	6
353-575	Boot-Dust Cap	15	46	3	353-957	Seal-Lip	13	26	4
353-599	Pin-Dowel	34	3	2	353-958	Ring-Backup	15	16	1
353-642	Asm-Relief-RC Mod.	16	*	1	353-967	Gear-33B	28	24	6
353-642	Relief-RC Mod.	14	*	2	353-969	Plate-Gear 33B	28	25	3
353-668	Plate-Cap, Cover RH	15	11	1	354-2	Asm-Body	28	15	1
353-721	Plug	13	35	2	354-3	Asm-Bearing Plate	28	22	1
353-727	Bonnet	13	2	1	354-4	Asm-Bearing Plate	28	28	1
353-728	Sleeve	14	49	1	354-5	Adapter-Splined	28	27	1
353-729	Spud-Detent	13	3	1	354-6	Plate-Gear 18B	28	30	1
353-730	Spring	15	42	1	354-7	Asm-Cover	28	31	1
353-731	Ball	15	43	1	354-8	Asm-Drive Shaft-Gear	28	29	1
353-732	Sleeve-Detent	14	52	1	354-9	Asm-Idler Shaft-Gear	28	5	1
353-733	Spacer-Bonnet	13	4	1	354-11	Pin-Dowel	28	4	2
353-733	Spacer-Bonnet	15	19	2	354-12	Pin-Dowel	28	6	2
353-737	Ball	16	63	1	354-13	Pin-Dowel	28	11	4
353-758	O-Ring	13	31	1	354-14	Pin-Dowel	28	13	2
353-760	Body Relief	13	30	1	354-15	Seal-Shaft	28	17	1
353-762	Spud-Detent Out	14	50	1	354-16	Washer-Lock	28	2	4
353-763	Cap-Adjustment	13	44	1	354-17	Stud-Threaded	28	3	4
353-766	Asm-Relief WH (2000) PSI	14	*	1	354-25	Asm-Section #4	16	*	1
353-772	Left End Cover	13	34	1	354-28	Screw-Hex, Socket Hd.	15	28	2
353-808	Collar-Spring	15	24	1	354-29	Plate-Thrust	13	48	1
353-830	O-Ring	15	25	1	354-35	Gasket	28	32	1
353-831	Spring	15	21	1	354-46	Ring-Seal	34	8	1
353-833	Asm-Positioner	16	*	1	354-50	Screw-Hex. Socket Hd.	34	1	4
353-835	Seals-Section Set	14	*	1	354-51	Washer	34	2	4
353-835	Seals-Section Set	16	*	1	354-120	Fitting-Hydraulic 90°	23	27	3
353-837	Section #2 Complete	14	*	1	354-121	Fitting-Hydraulic Straight	23	12	1
353-839	Asm-Positioner-DI (SPL)	14	*	1	354-122	Disc-Seal	16	52	1
353-840	Asm-Position-DI (SP)	16	*	1	354-129	Asm-Anticavitation Check	16	*	1
353-841	Asm-Position, Spool	16	*	1					

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Greensmaster 3100 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Greensmaster 3100, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:

1. Model and serial number of the Greensmaster 3100.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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Japanese parts kit number 83-2600 contains all of the individual parts on the preceding pages designated as (Japanese).

MAINTENANCE RECORD

[illegible]

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.