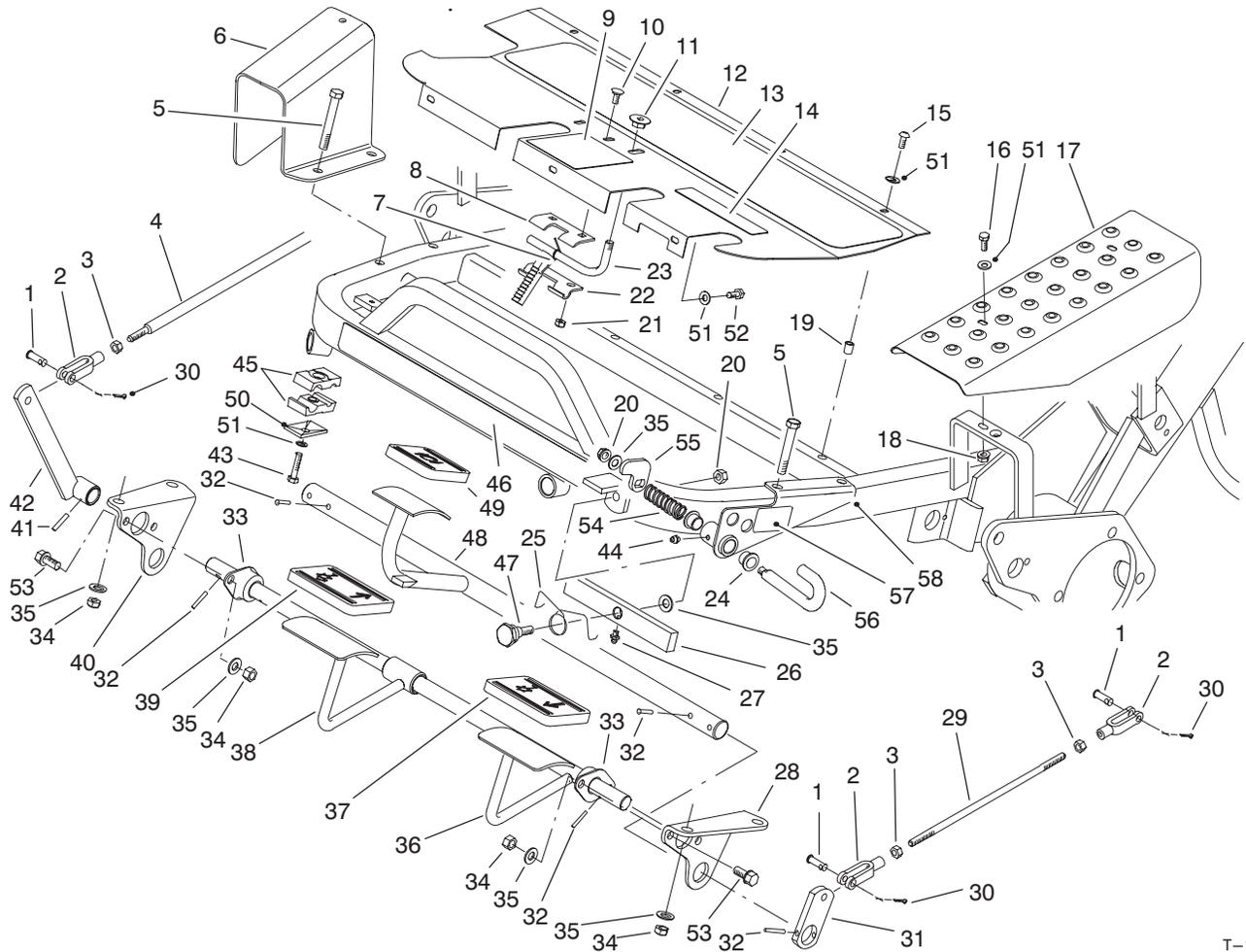




MODEL NO. 04354-60200 &amp; UP

PARTS  
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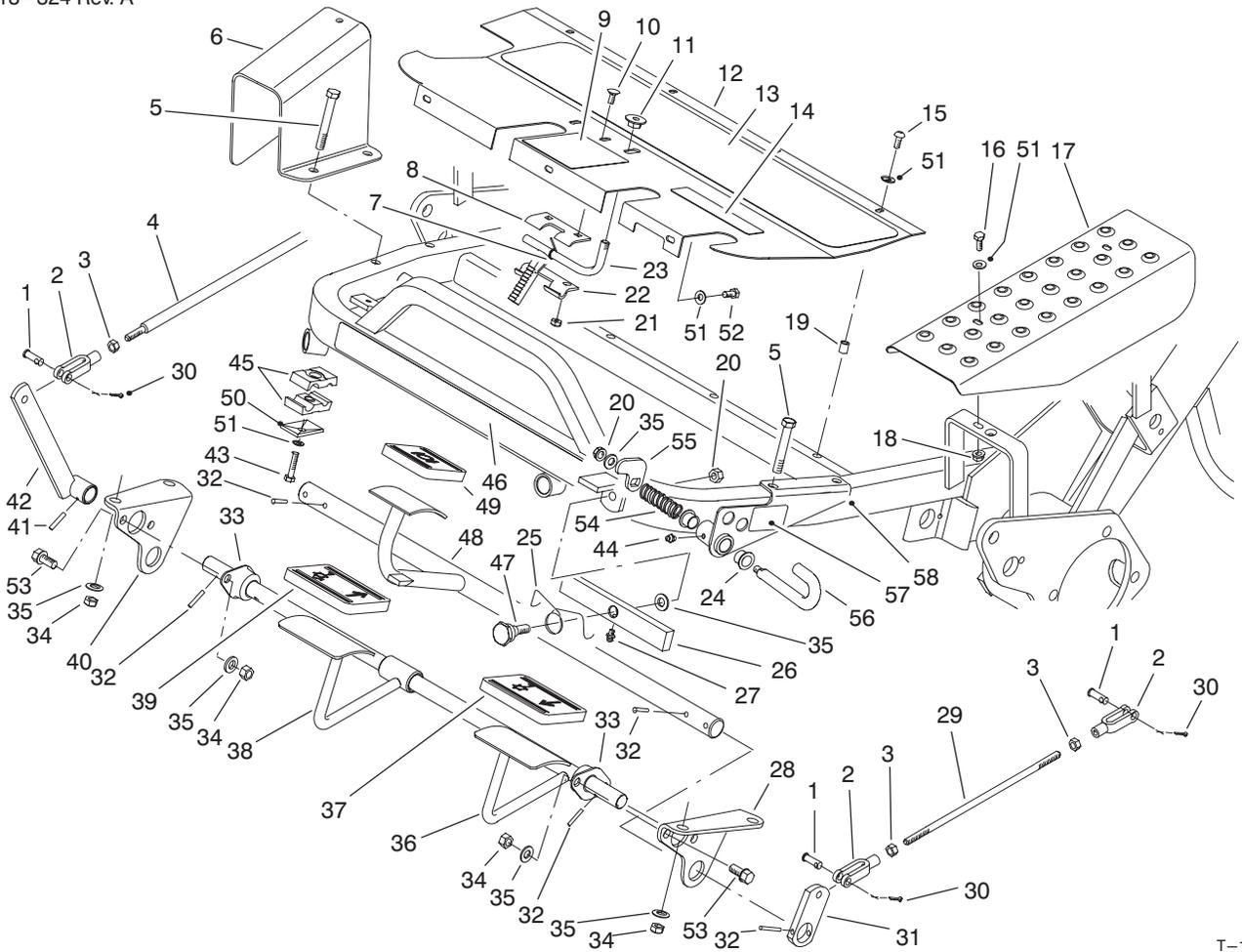
# GREENMASTER 3100-3WD TRACTION UNIT



T-1285C

## 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 - Hex. Flange Hd.	2
3	3220-2	Nut - Jam	5	17	83-0200	Cover - L.H.	1
4	49-5430	Rod - Control	1	18	32128-33	Nut - Flange Lock	2
5	323-13	Screw - Cap Hex. Hd.	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	10-7880	Hinge - Upper	1	22	10-7890	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	2
10	3229-22	Bolt - Carriage	2	25	83-0080	Spring - Torsion	1
11	32141-111	Nut Flange Lock	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 L.H.	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



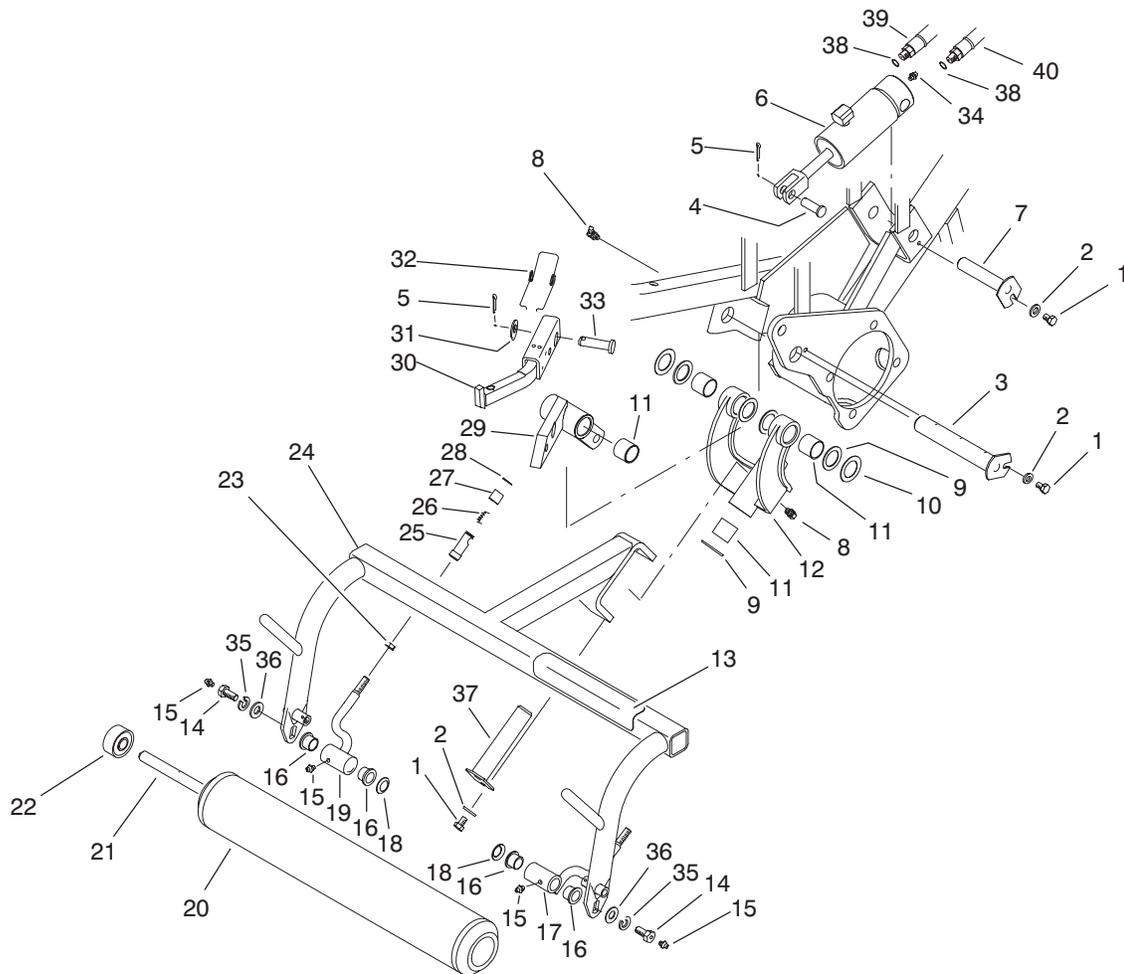
T-1285C

## CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	32121-35	Pin - Roll	8
33	27-2320	Bearing - Flange	2
34	3296-59	Nut - Lock	8
35	3256-38	Washer - Flat	6
36	88-9660	Shaft - Cutting Control	1
37	93-7631	Pad - Lift	1
38	83-0140	Pedal - Mow	1
39	93-7630	Pad - Mow	1
40	88-9630	Lift Pivot Bracket R.H.	1
41	32121-6	Pin - Roll	1
42	49-6200	Lever - Cutting Control	1
43	321-11	Screw - Cap Hex. Hd.	1
44	302-5	Fitting - Grease	1
45	56-7970	Clamp Half - Tube	2
46	93-2548	Decal - Greensmaster 3100	1

Ref. No.	Part No.	Description	No. Used
47	83-2590	Bolt - Shoulder	1
48	83-0160	Shaft - Brake	1
49	93-7629	Pad - Brake	1
50	69-9760	Plate - Cover	1
51	3256-1	Washer - Flat	9
52	321-3	Screw - Cap Hex. Hd.	3
53	3234-1	Screw - Cap Hex. Hd.	4
54	76-0410	Spring	1
55	93-9904	Arm - Lock Out, Mow	1
56	93-9903	Pin - Lock Out, Mow	1
57	93-9898	Decal - Lock	1
58	93-9901	Bracket - Lock Out, Mow	1
*	36-7250	Basket - Grass	3
*	65-8320	Bar - Gauge	1

\*Not Illustrated

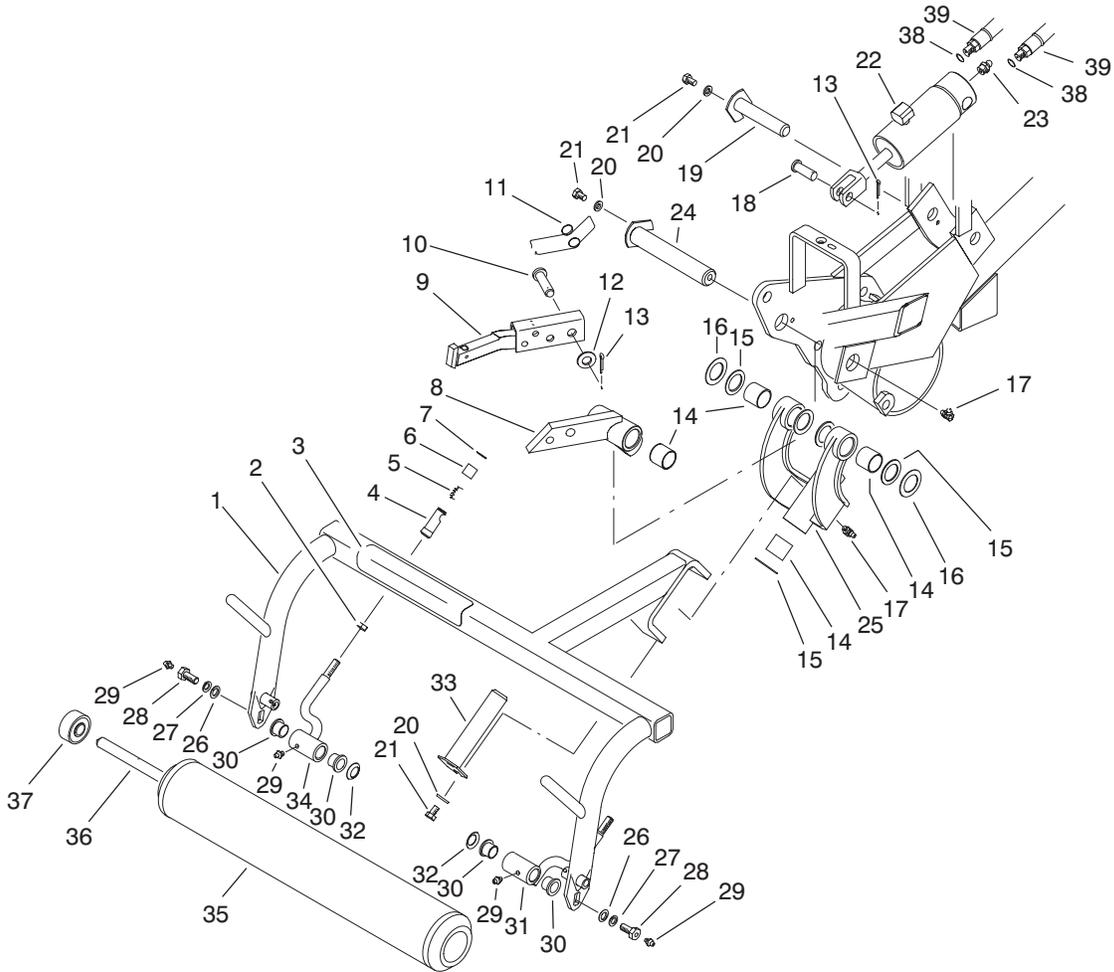


T-1283B

## PULL FRAME ASSEMBLY L.H.

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-1	Screw - Cap Hex. Hd.	3			(Incl. Ref. #22)	1
2	3256-23	Washer - Flat	3	21	21-8470	Shaft - Roller	1
3	10-6110	Pin - Hinge	1	22	251-141	Bearing - Ball	2
4	283-8	Pin - Clevis	1	23	3220-3	Nut - Jam	2
5	3272-11	Pin - Cotter	2	24	92-9176	Frame - Pull L.H.	1
6	83-2580	Cylinder - Lift	1	25	94-2959	Ball Joint Receiver Assy.	
7	10-6060	Pin - Lift Cylinder	1			(Incl. Ref. #26-28)	2
8	302-60	Fitting - Grease 90°	2	26		Spring - Compression	2
9	10-8110	Washer - Thrust	6	27		Sleeve	2
10	5-1226	Washer - Shim	2	28		Ring - Retaining	2
11	3-0348	Bushing - Sleeve	6	29	62-2460	Lift Arm Assembly L.H.	
12	10-7820	Pivot Hinge Assembly (Incl. Ref. #11)	1			(Incl. Ref. #11)	1
13	93-8064	Decal - Danger	1	30	94-5586	Bar - Lift L.H.	1
13	84-6560	Decal - Danger (Japanese)	1	31	3256-26	Washer - Flat	1
14	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #15)	2	32	57-7650	Spring - Torsion	1
15	302-5	Fitting - Grease Straight	4	33	63-8750	Pin - Pivot	1
16	3-1506	Bushing - Flange	4	34	302-2	Fitting - Grease Straight	1
17	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #16)	1	35	3253-21	Washer - Lock	2
18	3290-317	Washer - Wave	2	36	3256-24	Washer - Flat	2
19	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #16)	1	37	10-6090	Pin - Pivot	1
20	52-2720	Roller Assembly		38	237-78	Seal - O-Ring	2
				39	63-3850	Hose - Hydraulic (Incl. Ref. #38)	1
				40	83-1690	Hose - Hydraulic (Incl. Ref. #38)	1

‡For different language versions of this part, see International Parts Page.

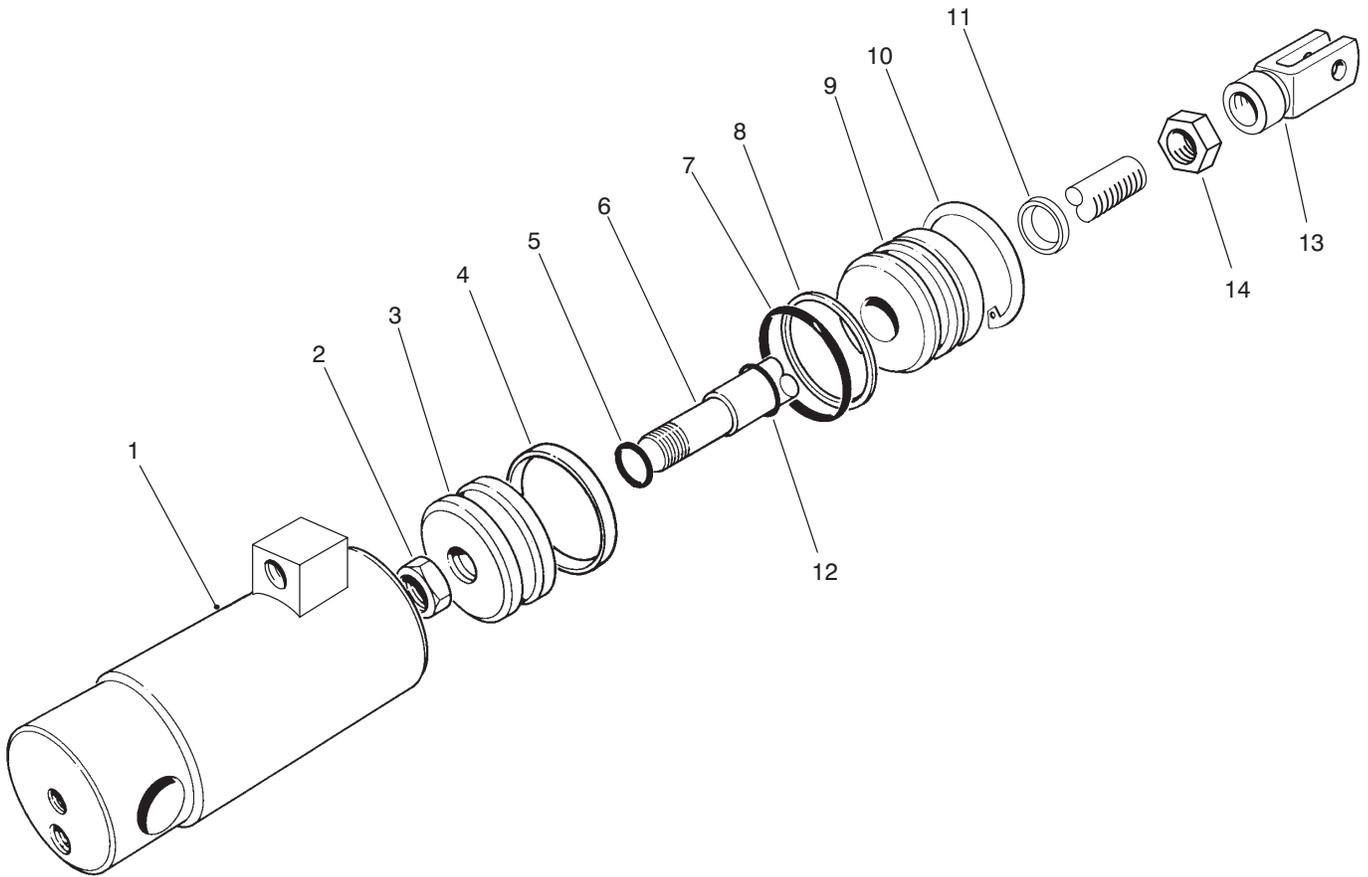


T-1284C

## PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	92-9177	Frame - Pull R.H.	1
2	3220-3	Nut - Jam	2
3	93-8064	Decal - Danger	1
3	84-6560	Decal - Danger (Japanese)	1
4	94-2959	Ball Joint Receiver Assy. (Incl. Ref. #5-7)	2
5		Spring - Compression	2
6		Sleeve	2
7		Ring - Retaining	2
8	62-2440	Lift Arm Assembly (Incl. Ref. #14)	1
9	94-5588	Bar - Lift, R.H.	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 - Cap Hex. Hd.	3

Ref. No.	Part No.	Description	No. Used
22	83-2580	Hydraulic Cylinder Assy.	1
23	302-2	Fitting - Grease	1
24	10-6110	Pin - Pivot	1
25	10-7820	Pivot Hinge Assembly (Incl. Ref. #14)	1
26	3256-24	Washer - Flat	2
27	3253-21	Washer - Lock	2
28	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #29)	2
29	302-5	Fitting - Grease	4
30	3-1506	Bushing - Flange	4
31	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #30)	1
32	3290-317	Washer - Wave	2
33	10-6090	Pin - Pivot	1
34	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #30)	1
35	52-2720	Roller Assembly (Incl. Ref. #37)	1
36	21-8470	Shaft - Roller	1
37	251-141	Bearing - Ball	2
38	237-78	Seal - O-Ring	2
39	92-9767	Assy. - Hose, Cylinder Lift (Incl. Ref. #38)	2



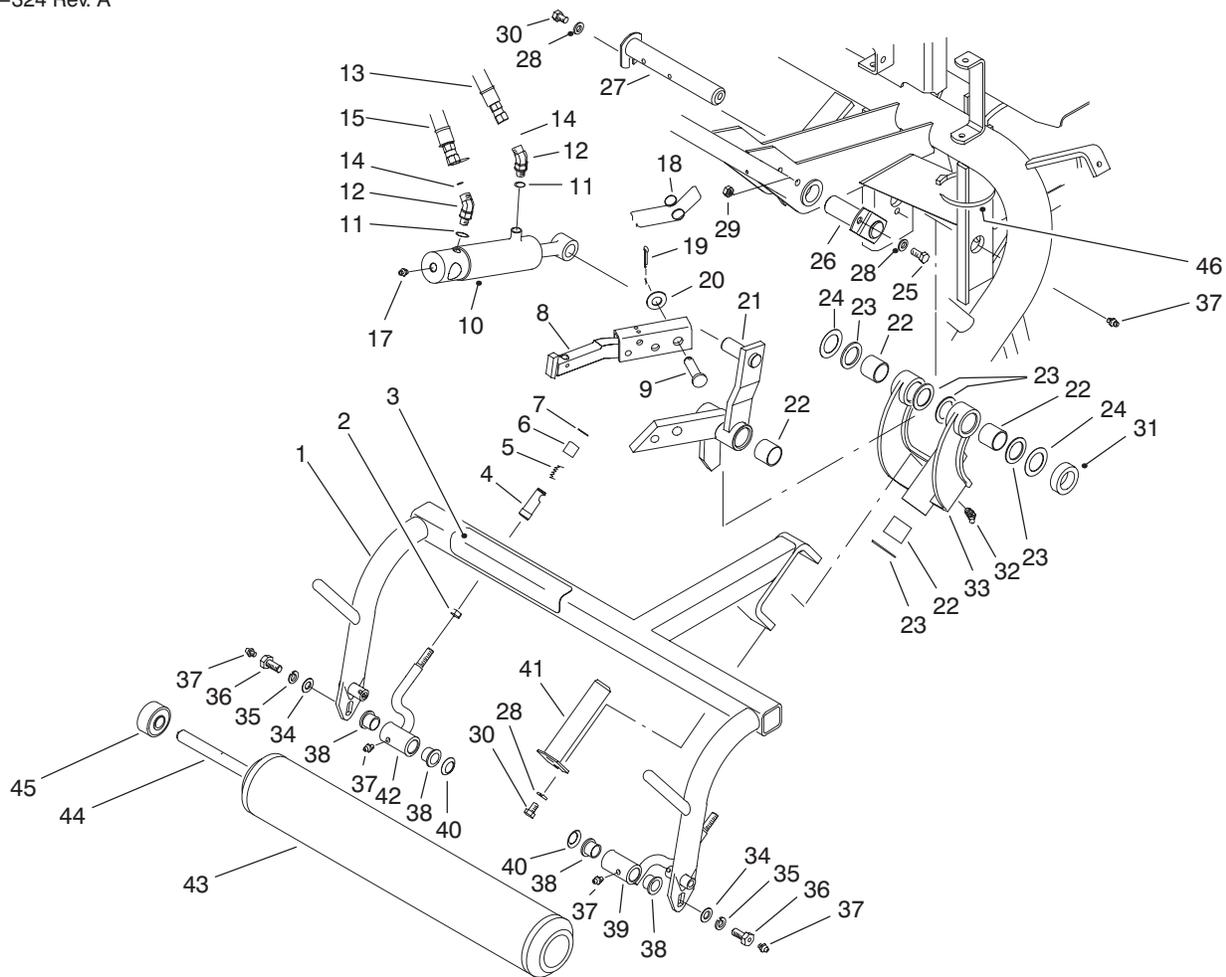
T-1246

## HYDRAULIC CYLINDER ASSEMBLY NO. 83-2580

Ref. No.	Part No.	Description	No. Used
1		Barrel	1
2	32152-10	Nut - Lock	1
3	52-1990	Piston	1
4		Uniring	1
5		Seal - O-Ring	1
6	76-1860	Shaft	1
7		Seal - O-Ring	1
8		Washer - Back-Up	1
9	65-4860	Head	1

Ref. No.	Part No.	Description	No. Used
10	32120-8	Ring - Retaining	1
11		Seal - Dust	1
12		Seal - PDF	1
13	76-1850	Clevis	1
14	3220-6	Nut - Jam	1
*	86-5390	Seal Kit (Incl. Ref. #4, 5, 7, 8, 11 & 12)	1

\*Not Illustrated

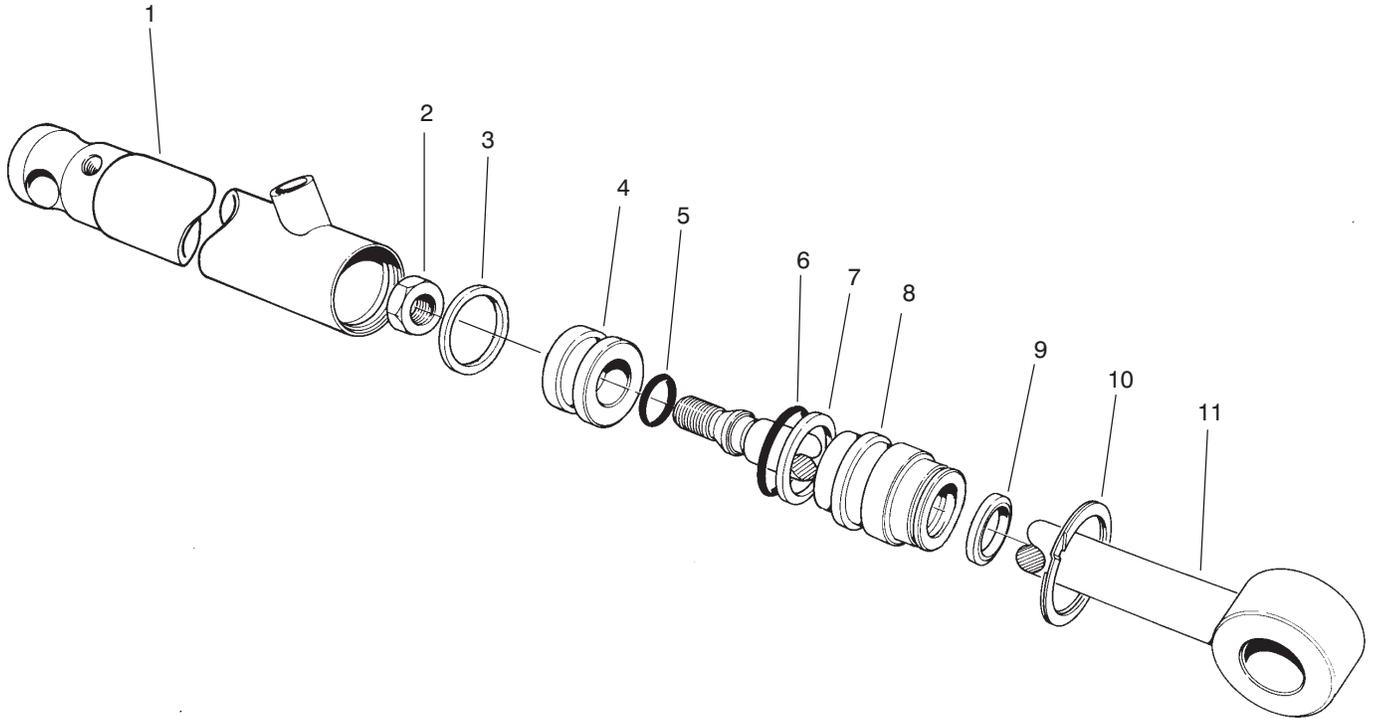


T-1286C

## PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used
1	86-9820	Frame - Pull Rear	1
2	3220-3	Nut - Jam	2
3	93-8064	Decal - Danger	1
3	84-6560	Decal - Danger (Japanese)	1
4	94-2959	Ball Joint Receiver Assy. (Incl. Ref. 5-7)	2
5		Spring - Compression	2
6		Sleeve	2
7		Ring - Retaining	2
8	62-2420	Bar - Lift, Center	1
9	63-8750	Pin - Pivot	1
10	83-7230	Hydraulic Cylinder Assembly	1
11	237-35	Seal - O-Ring	2
12	340-103	Fitting - Hydraulic 45° (Incl. Ref. #11 & 14)	2
13	83-1680	Hose - Hydraulic	1
14	237-78	Seal - O-Ring	2
15	88-9700	Hose - Hydraulic	1
17	302-2	Fitting - Grease	1
18	57-7650	Spring - Torsion	1
19	3272-11	Pin - Cotter	1
20	3256-26	Washer - Flat	1
21	68-5380	Lift Arm Assembly (Incl. Ref. #22)	1
22	3-0348	Bushing - Sleeve	6
23	10-8110	Washer - Thrust	6
24	5-1226	Washer - Shim	2

Ref. No.	Part No.	Description	No. Used
25	322-3	Screw - Cap Hex. Hd.	1
26	68-5560	Pin - Cylinder Pivot	1
27	27-2550	Pin - Pivot	1
28	3256-23	Washer - Flat	3
29	3296-29	Nut - Lock	1
30	322-1	Screw - Cap Hex. Hd.	2
31	27-2540	Spacer - Hub	1
32	302-60	Fitting - Grease 90°	1
33	10-7820	Pivot Hinge Assembly (Incl. Ref. #22)	1
34	3256-24	Washer - Flat	2
35	3253-21	Washer - Lock	2
36	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #37)	2
37	302-5	Fitting - Grease Straight	5
38	3-1506	Bushing - Flange	4
39	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #38)	1
40	3290-317	Washer - Wave	2
41	10-6090	Pin - Pivot	1
42	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #38)	1
43	52-2720	Roller Assembly (Incl. Ref. #45)	1
44	21-8470	Shaft - Roller	1
45	251-141	Bearing - Ball	2
46	3290-379	Tie - Cable	1



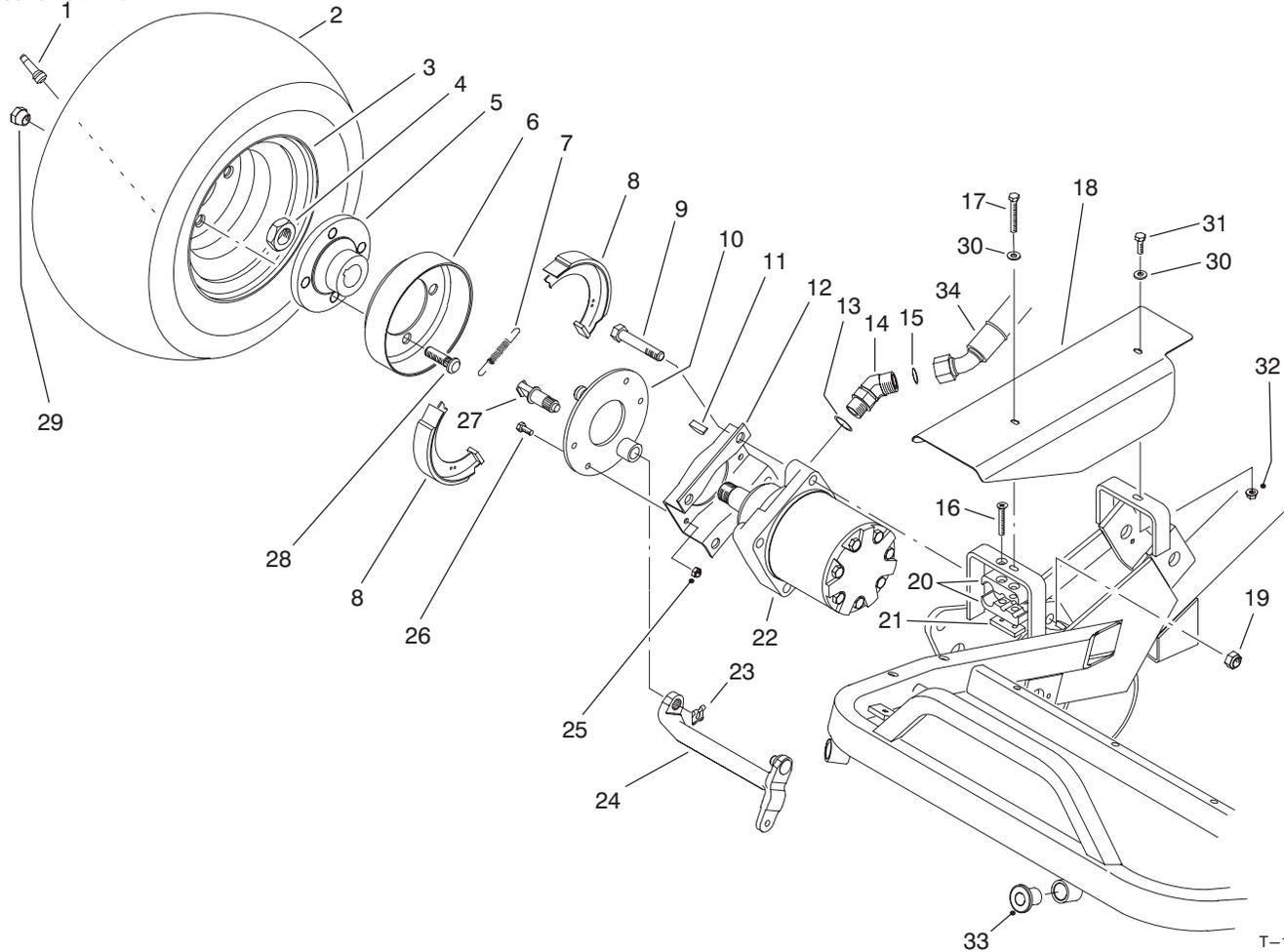
T-0640

## HYDRAULIC CYLINDER NO. 83-7230

Ref. No.	Part No.	Description	No. Used
1	70-8130	Barrel	1
2	32152-10	Nut - Hex.	1
3		Uniring	1
4	70-2780	Piston	1
5		Seal - O-Ring	1
6		Seal - O-Ring	1
7		Washer - Back-Up	1

Ref. No.	Part No.	Description	No. Used
8	70-2770	Head	1
9		Seal - Dust	1
10	43-5220	Ring - Retaining	1
11	43-5230	Shaft & Clevis	1
*	86-5360	Repair Kit (Incl. Ref. #3, 5-7 & 9)	1

\*Not Illustrated



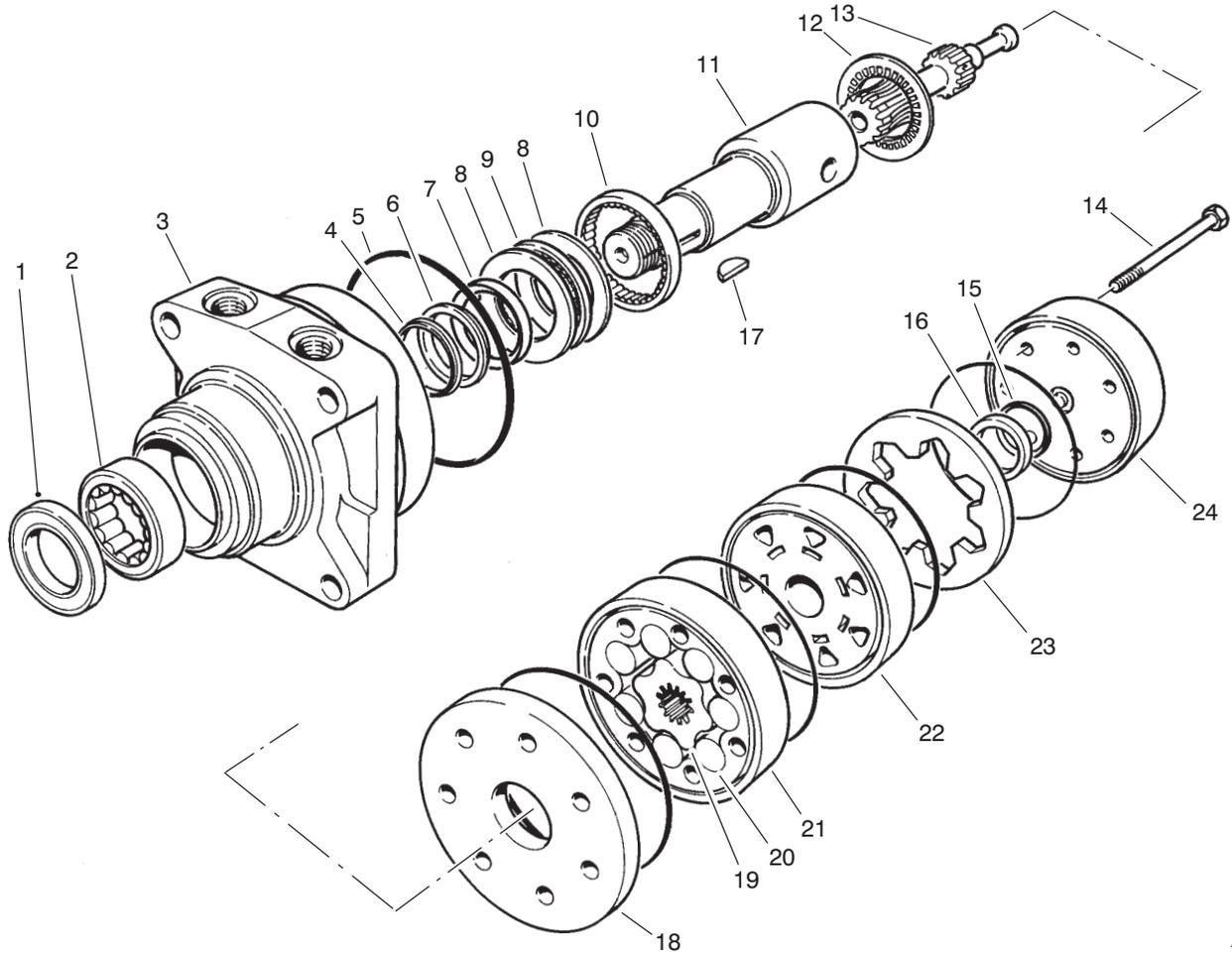
T-1282

## 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 - Cap Hex. Hd.	8
10	70-9870	Plate - Backing	2
11	3257-42	Key - Woodruff	2
12	84-2000	Bracket - Brake	2
13	237-80	Seal - O-Ring	4
14	340-14	Fitting - Hydraulic 45° (Incl. Ref. #13 & 15)	4
15	237-65	Seal - O-Ring	4
16	32108-100	Screw - Flat Hd.	1
17	321-11	Screw - Hex. Washer Hd.	1
18	83-0190	Cover - R.H.	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	71-1510	Arm - Brake	2
25	3296-42	Nut - Lock	8
26	321-5	Screw - Cap Hex. Hd.	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 - Cap Hex. Hd.	1
32	32128-33	Nut - Lock	1
33	83-1700	Bushing - Flange	2
34	83-2450	Hose - Hydraulic (Top)	1
*	92-9768	Hose - Hydraulic (Bottom)	1
*	10-6821	Brake Drum Assembly (Incl. Ref. #5, 6 & 28)	2
*	71-1500	Brake Assembly (Incl. Ref. #7, 8, 10, 23 & 27)	2

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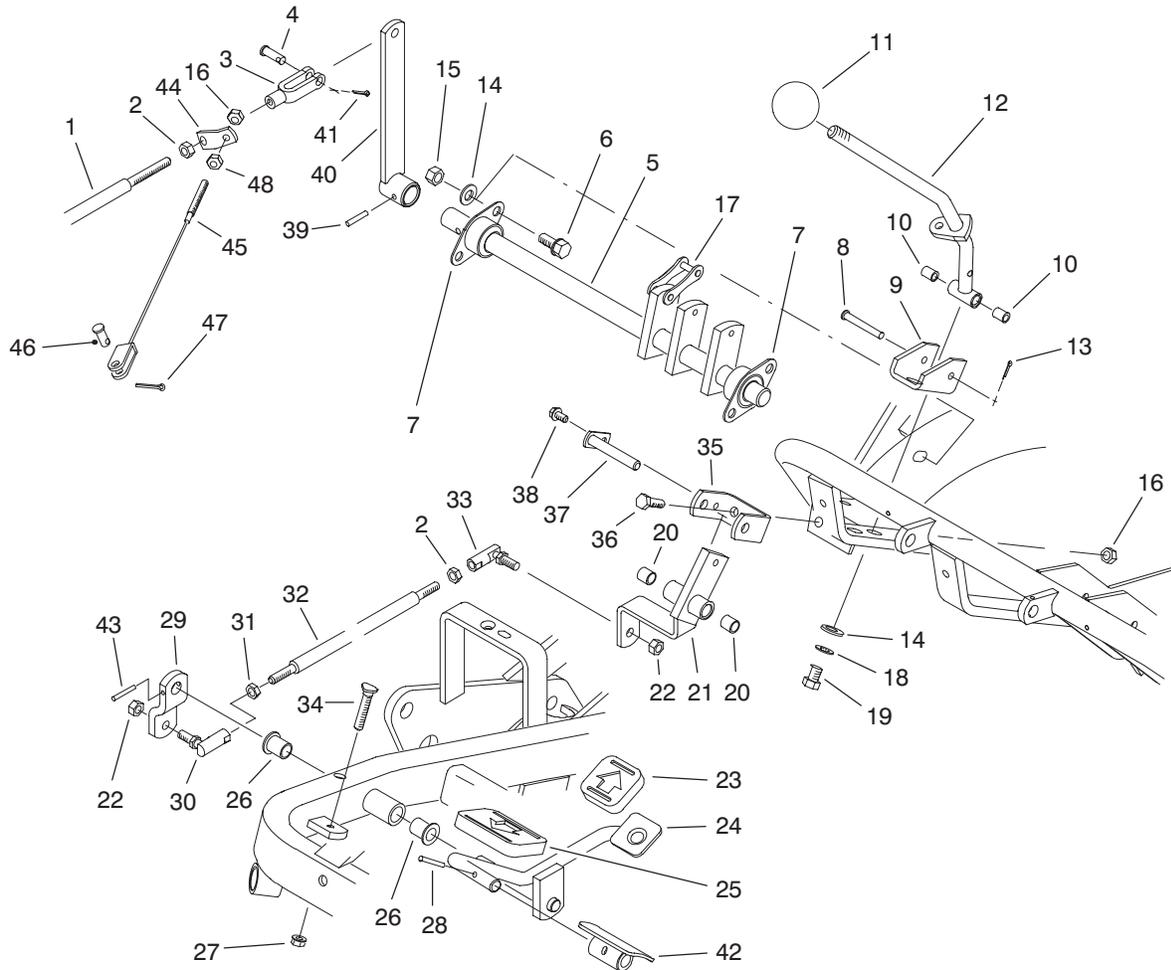
T-0983

## HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9199

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Back-Up	1
5		Ring - Seal	5
6		Washer - Back-Up	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10		Bearing	1
11	76-0860	Shaft - Coupling	1
12	76-0850	Bearing - Thrust	1
13	92-9761	Link - Drive	7
14	92-9762	Screw - Cap Hex. Hd.	1
15		Seal - Commutator	1
16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257-42	Key - Woodruff	1
18	76-0870	Plate - Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76-0840	Manifold	1
23		Ring - Commutator	1
24	76-0940	End Cover Assembly	1
*	92-9763	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Seal Kit (Incl. Ref. #1, 4-7 & 15)	1
*	76-0810	Housing Assembly (Incl. Ref. #2, 3 & 8-10)	1

\*Not Illustrated

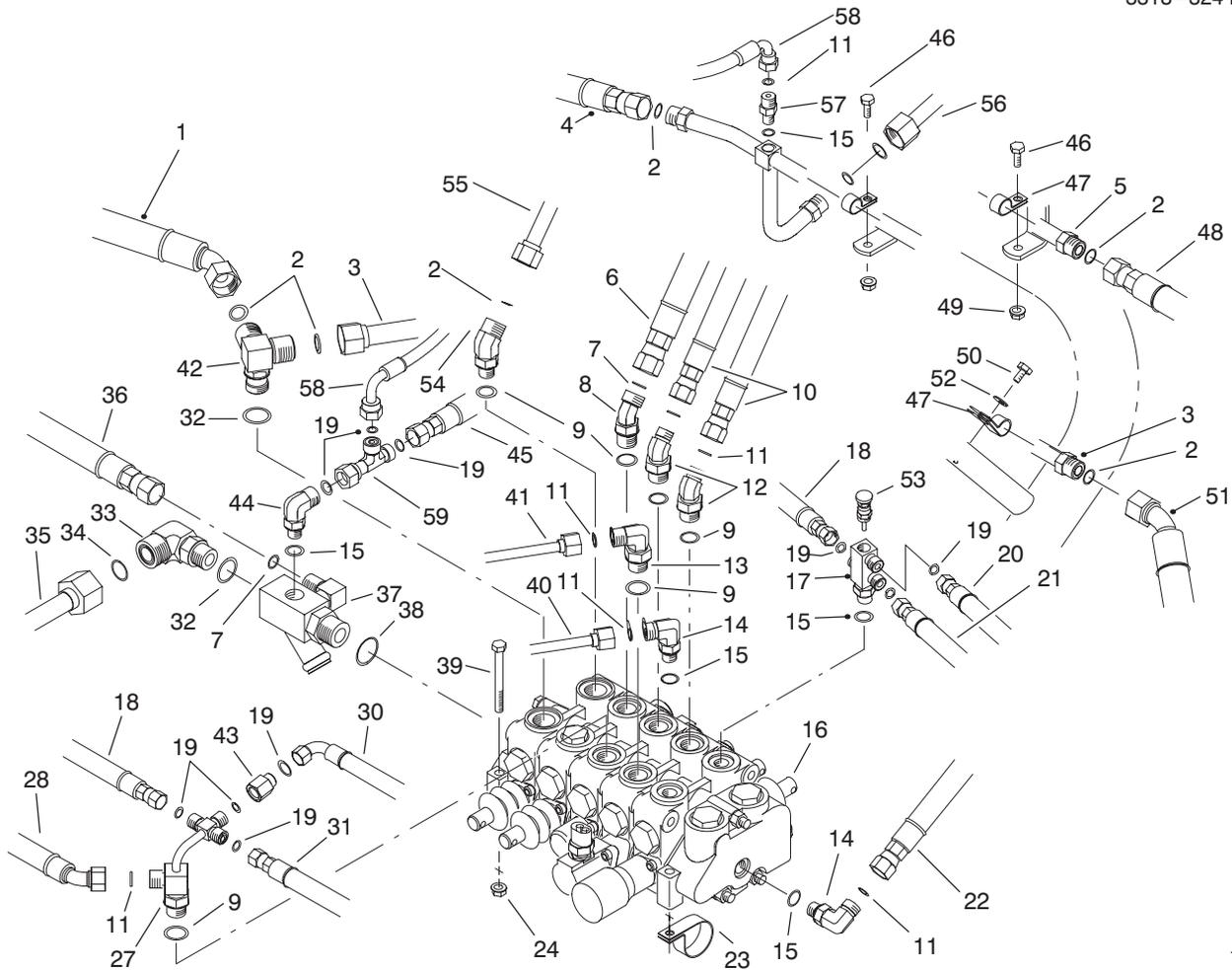


T-1287B

## 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 - Hex. Flange Hd.	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	Traction Handle Assembly (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 - I.T.L.W.	2
19	3211-2	Screw - Cap Hex. Hd.	2
20	256-2	Bushing - Sleeve	2
21	49-6260	Assy. - Pivot, Traction (Incl. Ref. #20)	1
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1

Ref. No.	Part No.	Description	No. Used
24	83-0540	Pedal - Traction	1
25	74-9100	Pad - Forward Pedal	1
26	256-155	Bushing - Flange	2
27	32128-20	Nut - Flange Lock	1
28	32121-45	Pin - Roll	1
29	83-0630	Arm - Traction Pivot	1
30	2411-42	Joint - Ball L.H. Thread	1
31	3220-20	Nut - Jam L.H. Thread	1
32	83-0580	Rod - Traction Control	1
33	2411-43	Joint - Ball R.H. Thread	1
34	77-0480	Screw - Traction Stop	1
35	49-6250	Bracket - Traction Pivot	1
36	322-5	Screw - Cap Hex. Hd.	2
37	49-6290	Shaft - Traction Pivot	1
38	12-3270	Screw - Hex. Washer Hd.	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

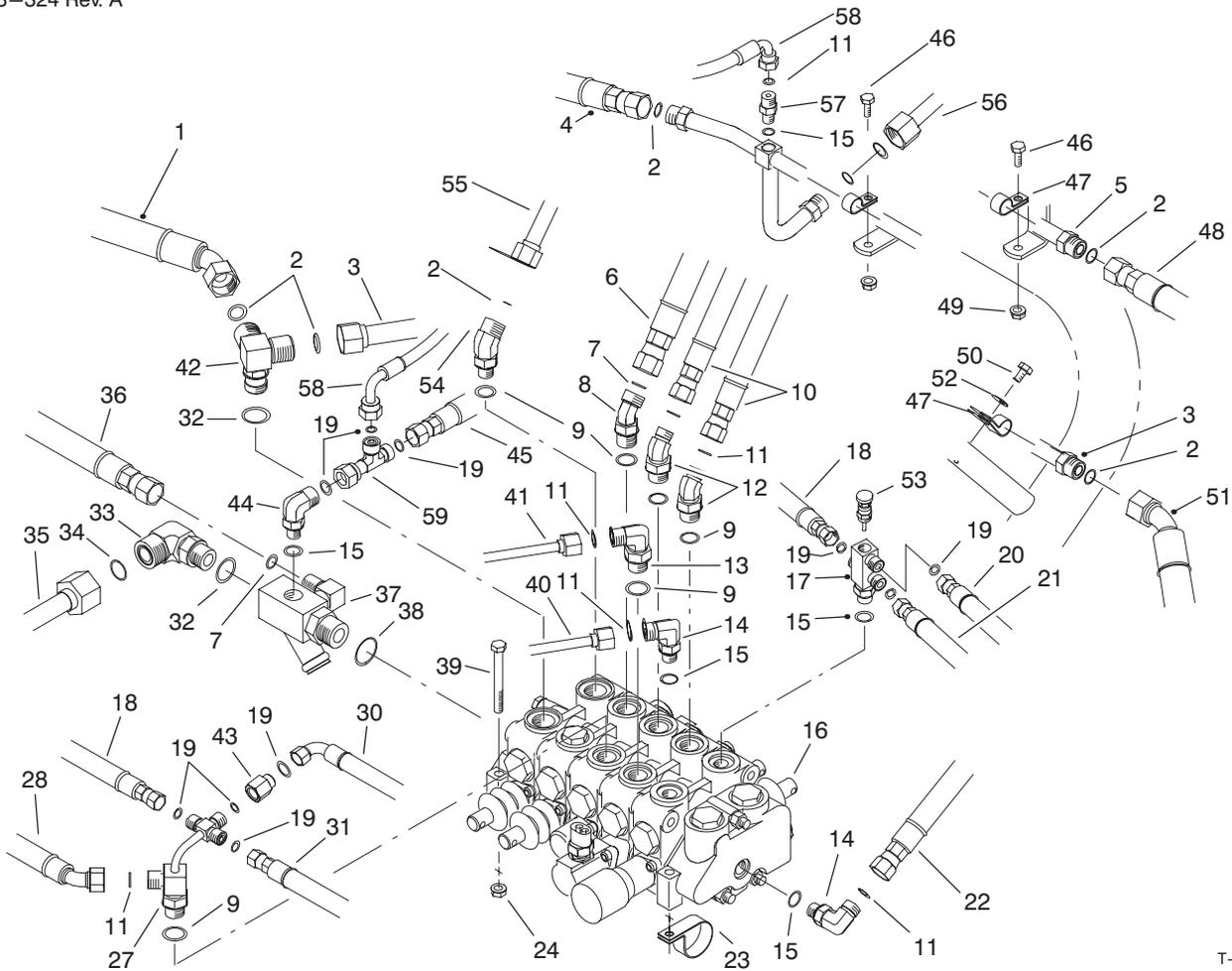


T-1829A

## CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-2450	Hose - Hydraulic	1
2	237-65	Seal - O-Ring	7
3	70-7130	Tube Assy. (Incl. Ref. #2)	1
4	92-9768	Hose - Hydraulic	1
5	93-0113	Tube Assy. (Incl. Ref. #2)	1
6	83-1180	Hose - Hydraulic	1
7	237-30	Seal - O-Ring	2
8	340-101	Fitting - Hydraulic 45° (Incl. Ref. #7 & 9)	1
9	237-79	Seal - O-Ring	5
10	83-1190	Hose - Hydraulic	2
11	237-22	Seal - O-Ring	7
12	340-138	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	2
13	340-18	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	1
14	340-77	Fitting - Hydraulic 90° (Incl. Ref. #11 & 15)	2
15	237-42	Seal - O-Ring	5
16	84-2203	Control Valve Assembly	1
17	93-2555	Fitting - Valve Body (Incl. Ref. #15 & 19)	1
18	92-9767	Hose - Hydraulic	2
19	237-21	Seal - O-Ring	6
20	88-9700	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
21	83-1690	Hose - Hydraulic	1
22	83-1170	Hose - Hydraulic	1
23	304-61	Clamp - R	1
24	32128-20	Nut - Flange Lock	3
27	83-1670	Fitting - Special (Incl. Ref. #9, 11 & 19)	1
28	74-3830	Hose - Hydraulic	1
30	83-1680	Hose - Hydraulic	1
31	63-3850	Hose - Hydraulic	1
32	237-80	Seal - O-Ring	3
33	340-16	Fitting - Hydraulic 90° (Incl. Ref. #32 & 34)	1
34	237-58	Seal - O-Ring	1
35	63-4040	Tube - Hydraulic	1
36	63-3840	Hose - Hydraulic	1
37	68-5260	Fitting - Manifold Tee (Incl. Ref. #7 & 38)	1
38	237-81	Seal - O-Ring	1
39	322-14	Screw - Cap Hex. Hd.	3
40	63-4020	Tube - Hydraulic	1
41	63-4030	Tube - Hydraulic	1
42	63-4050	Fitting - Tee (Incl. Ref. #2 & 32)	2
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



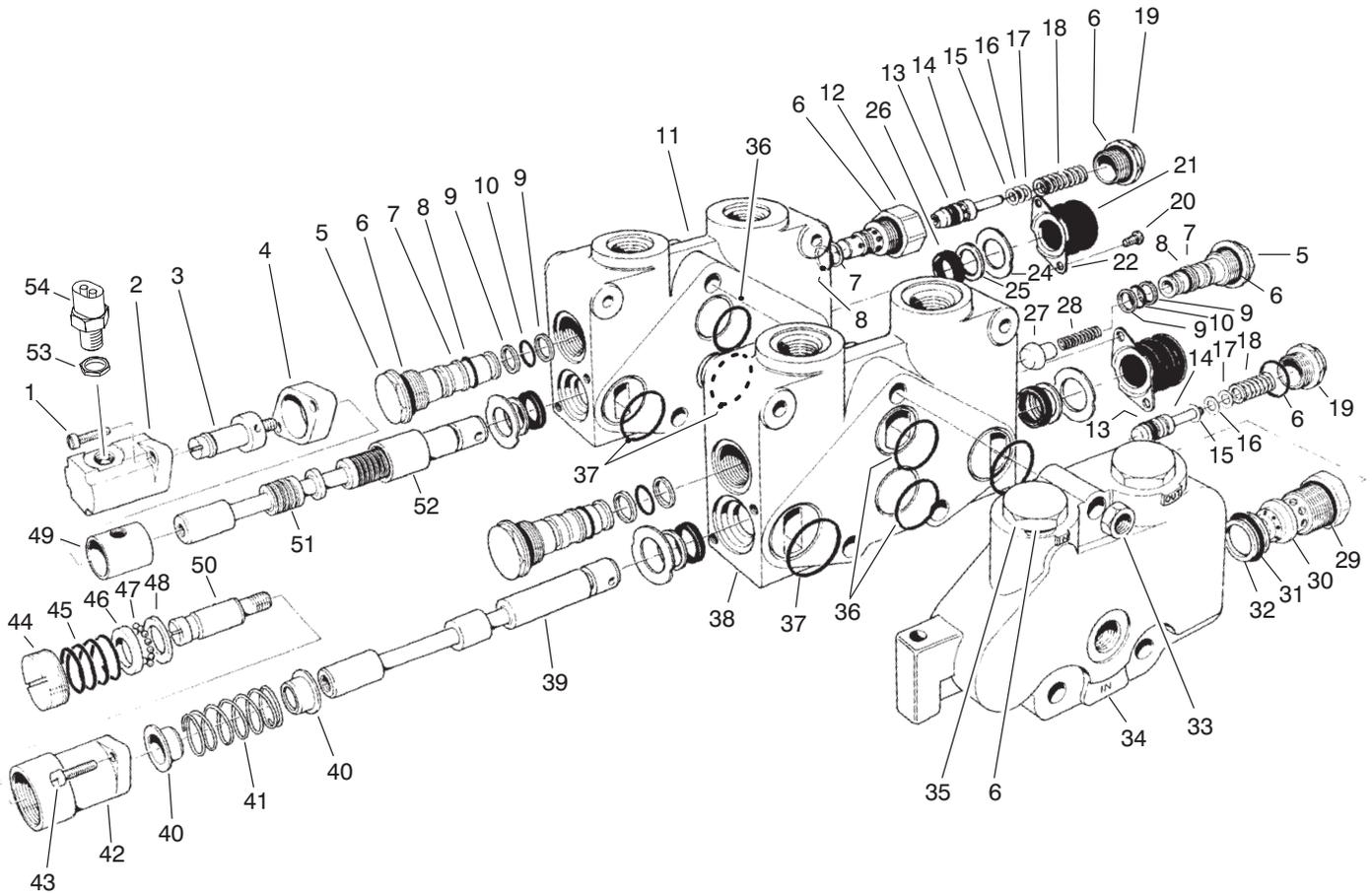
T-1829A

## CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
46	3234-4	Screw – Cap Hex. Hd.	2
47	2412-41	Clamp-R	4
48	70-7150	Hose – Hydraulic	1
49	3296-16	Nut – Lock	2
50	12-3270	Screw – Thread Forming	1
51	70-8610	Hose – Hydraulic	1
52	3256-22	Washer – Flat	1
53	93-2554	Valve – Needle	1
54	340-14	Fitting – Hydraulic 45° (Incl. Ref. #2 & 9)	1

Ref. No.	Part No.	Description	No. Used
55	93-0114	Assy. – Tube, Rear Top	1
56	93-0115	Assy. – Tube, Rear Bottom	1
57	92-9258	Adapter – Valve, Check (Incl. Ref. #11 & 15)	1
58	93-0314	Hose – Hydraulic	1
59	340-151	Fitting – Tee (Incl. Ref. #19)	1
*	93-2556	Needle Valve Assembly (Incl. Ref. #15, 17, 19 & 53)	1

\*Not Illustrated



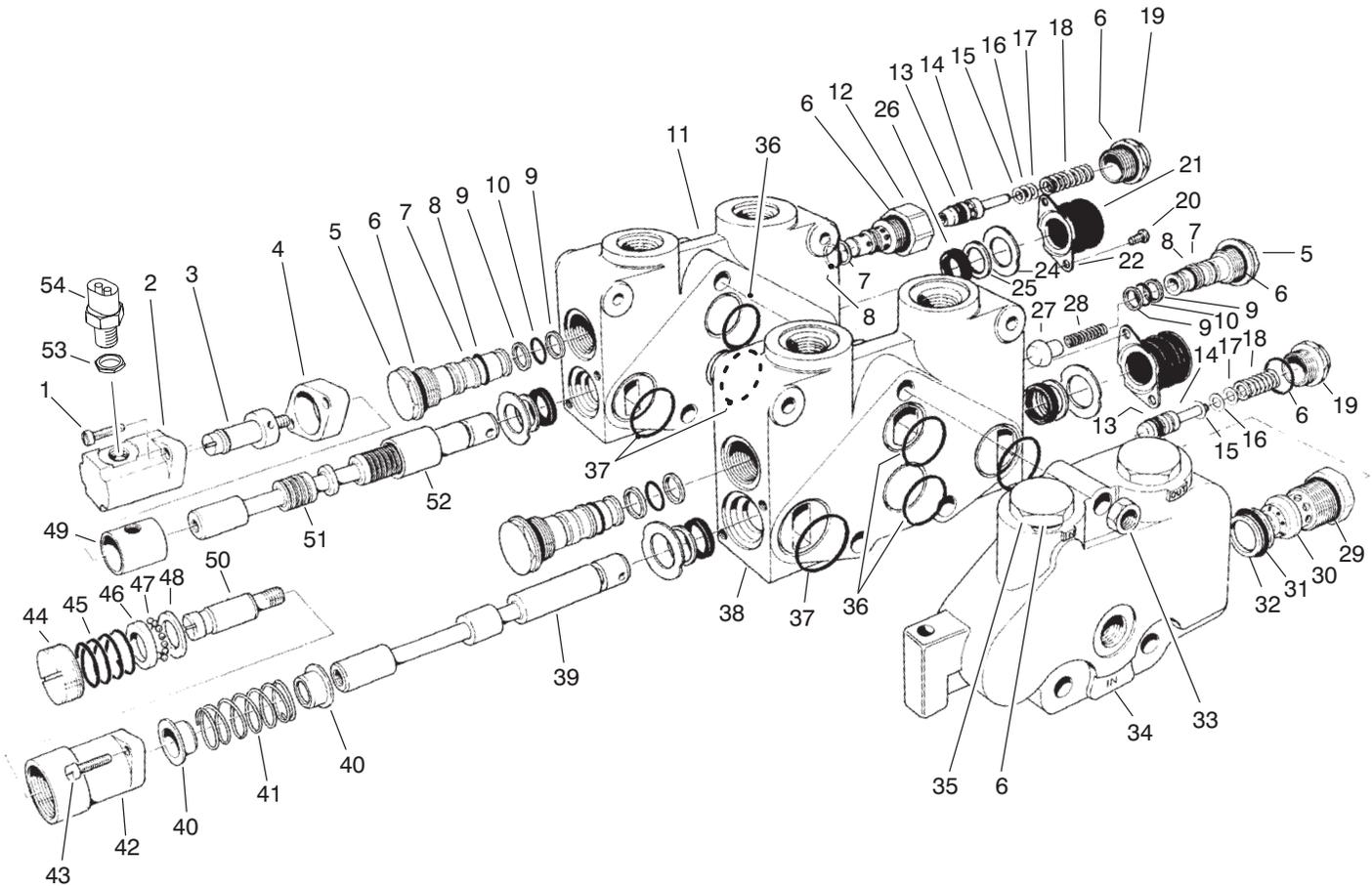
T-1318A

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

Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - Hex, Socket Hd.	2
2	353-727	Bonnet	1
3	353-729	Spud - Detent	1
4	353-733	Spacer - Bonnet	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3
6	237-54	O-Ring	8
7	353-306	Ring - Backup	4
8	353-305	O-Ring	4
9	353-303	Ring - Backup	6
10	353-302	O-Ring	3
11		Housing V20T	1
12	353-851	Body - Relief CP-RC Mod.	1
13	353-392	Seal - Relief Poppet PTFE	2
14	353-531	Poppet Assy. (Incl. Ref. #13)	2
15	353-328	Washer - Shim	A/R
16	353-329	Washer - Shim	A/R
17	353-330	Washer - Shim	A/R
18	353-855	Spring	2
19	353-334	Cap - Relief	2
20	3274-52	Screw - Hex, Socket Hd.	4
21	353-575	Boot - Dust Cap	2
22	93-3651	Retainer - Boot	2
24	92-2547	Plate - Seal Retainer	4

Ref. No.	Part No.	Description	No. Used
25	92-2546	Wiper - Seal	4
26	353-957	Seal - Lip	4
27	353-301	Poppet	1
28	353-304	Spring	1
29	353-331	O-Ring	1
30	353-760	Body Relief	1
31	353-758	Seal - O-Ring	1
32	353-952	Ring - Backup	1
33	3217-7	Nut - Hex	3
34	353-772	Left End Cover	1
35	353-721	Plug (Incl. Ref. #6)	2
†36		O-Ring	3
†37		O-Ring	4
†38		Housing Section #1	1
†39		Spool V20 SPL	1
40	353-417	Collar Spring	2
41	92-3058	Spring - Centering	1
42	353-754	Bonnet - R. Detent	1
43	3274-15	Screw - Fillister Hd.	2
44	353-763	Cap - Adjustment	1
45	353-579	Spring	1
46	42-2680	Race R. Detent	1
47	52-5880	Ball - Steel	12
48	354-29	Plate - Thrust	1

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



T-1318A

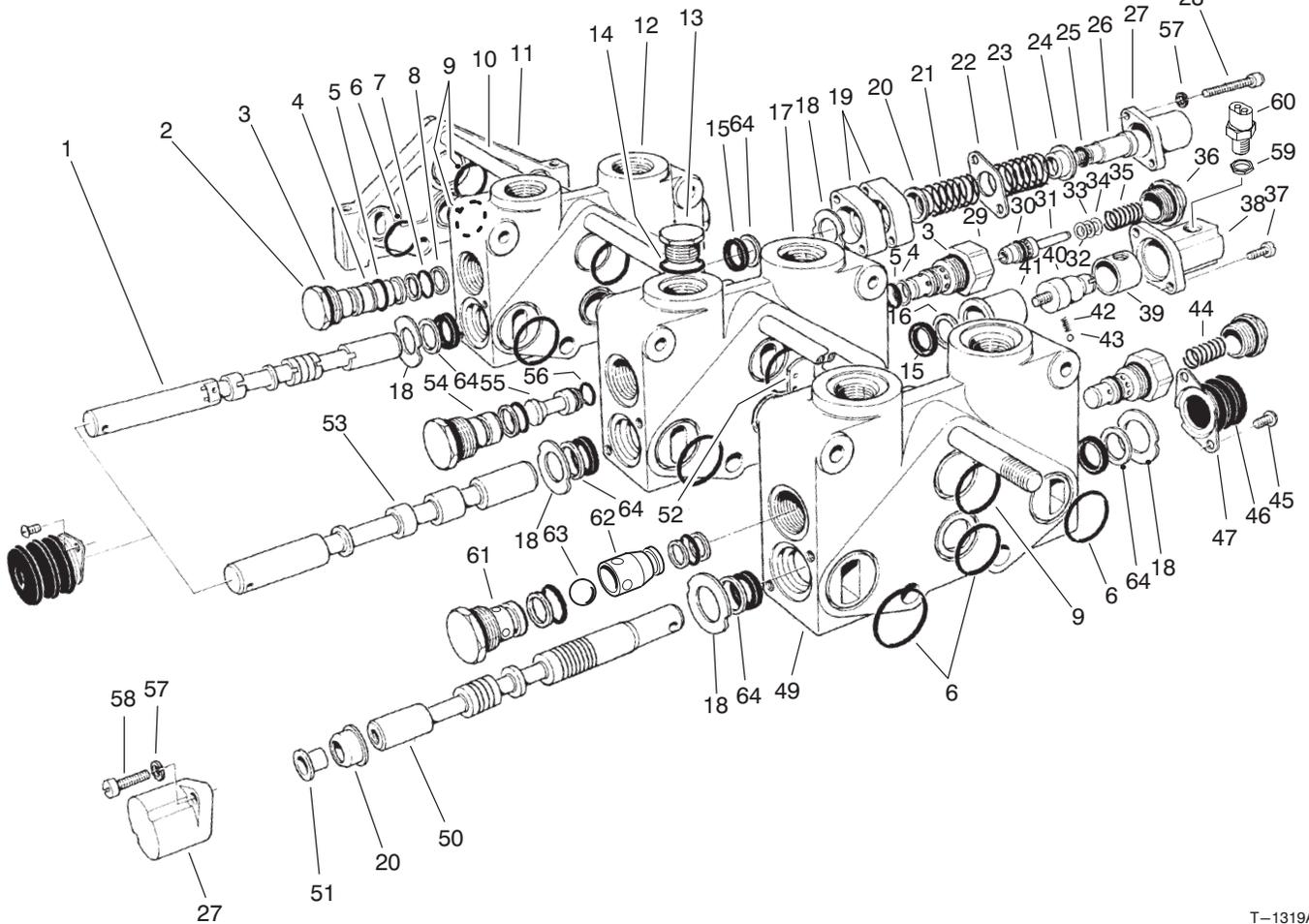
## CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
49	353-728	Sleeve	1
50	353-762	Spud - Detent Out (Incl. Ref. #44)	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	Relief WH (2000) PSI Assy. (Incl. Ref. #6,13-19 & 29-32)	1
*	353-768	Section #1 Complete	1
*	353-837	Section #2 Complete	1
*	353-780	Positioner - R. Detent (Out) (Incl. Ref. #3 & 40-49)	1

Ref. No.	Part No.	Description	No. Used
*	353-839	Positioner - DI (SPL) Assy. (Incl. Ref. #1, 3-5, 50 & 52)	1
*	353-642	Relief - RC Mod. (Incl. Ref. #6-8 & 12-19)	2
*	93-3652	Boot - Spool Assembly (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



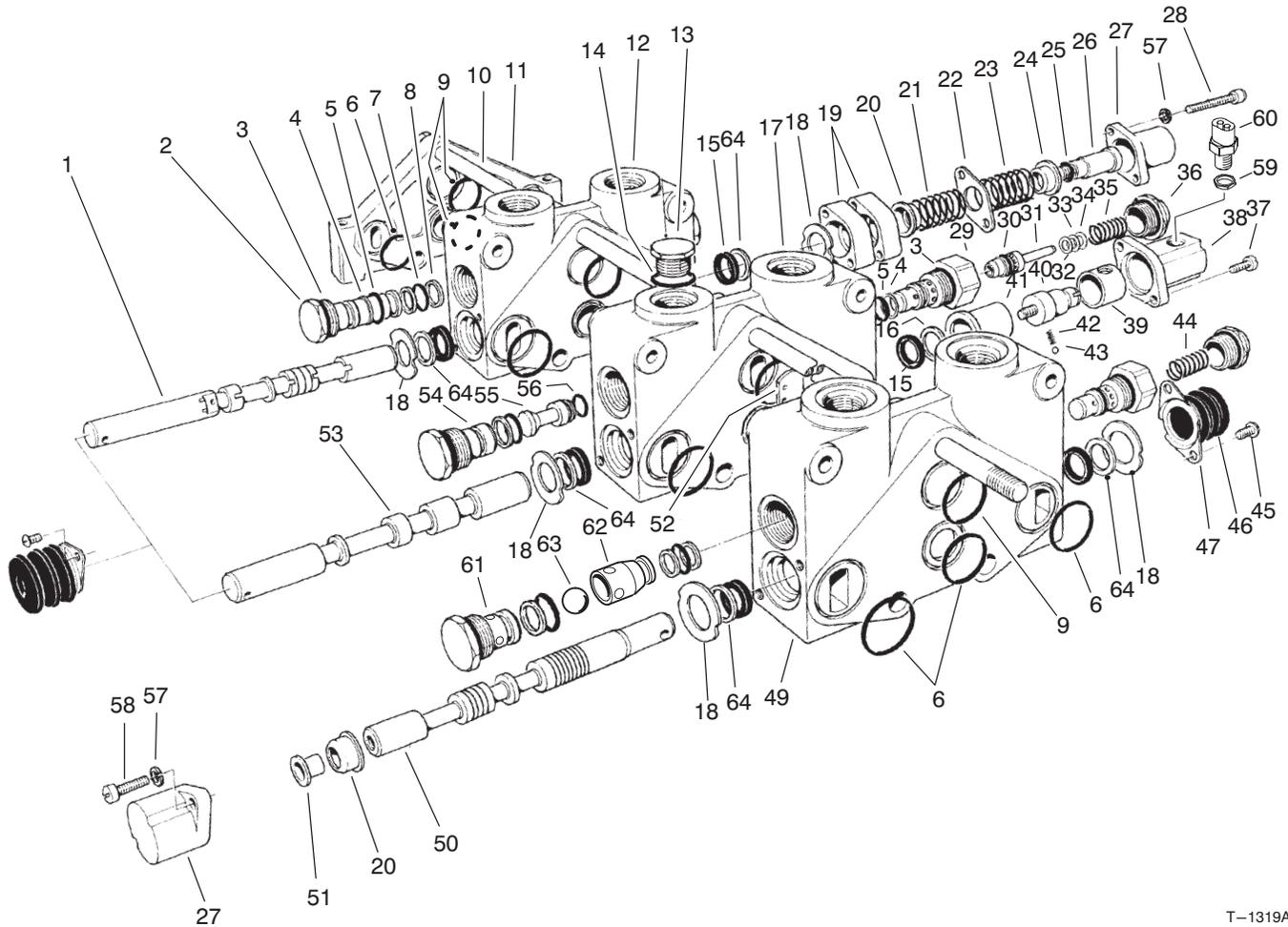
T-1319A

## 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 - Hex Hd.	3
11	353-668	Plate - Cap, Cover RH	1
12		Housing V20 #5	1
13	353-550	Plug Assembly (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	2
21	353-831	Spring	1
22	353-529	Plate Seal	1
23	93-3148	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	354-26	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	Poppet Assembly (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-1319A

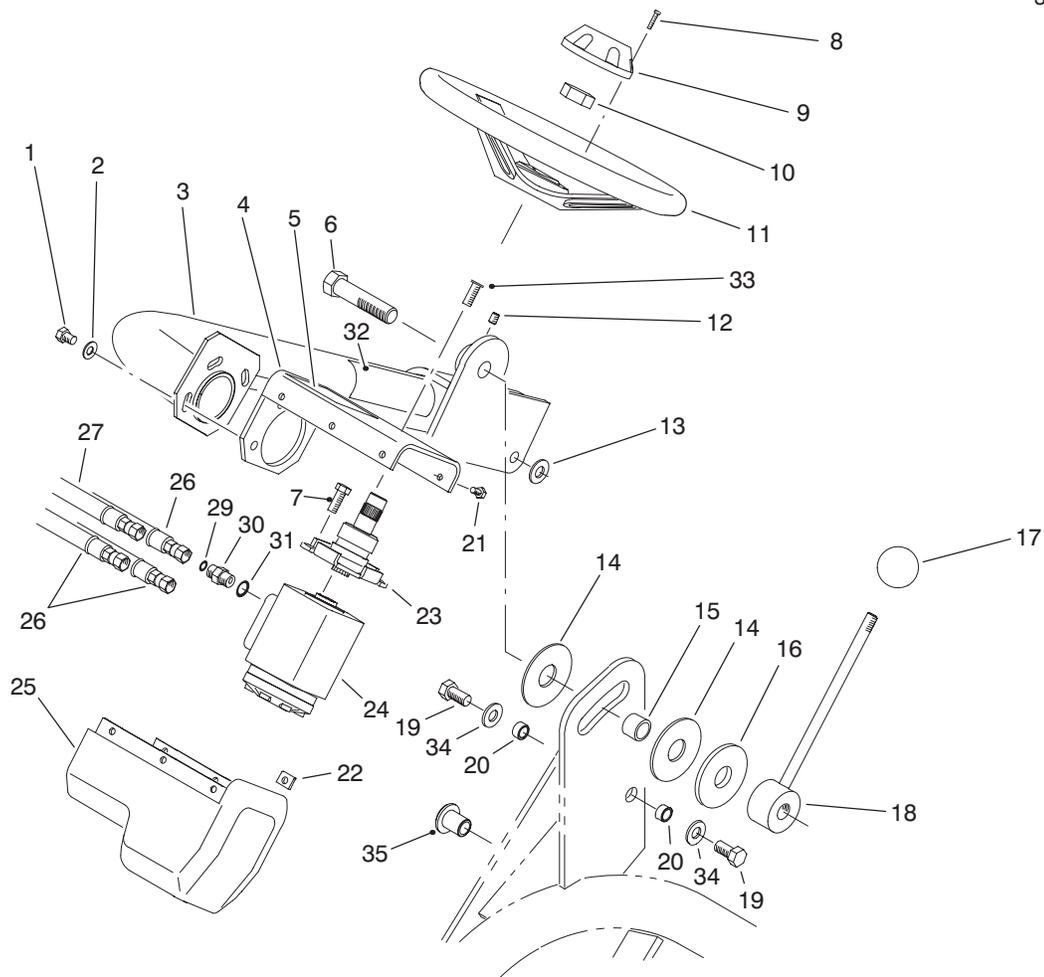
## CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 3 Thru 5) (Continued)

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	Plug Assembly	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 - Cap, Hex. Hd.	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
*	354-129	Anticavitation Check Assy. (Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1
*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1
*	93-3652	Boot - Spool Assembly (Incl. Ref. #45-47)	3
*	354-131	Section #3 Assembly (Complete)	1

Ref. No.	Part No.	Description	No. Used
*	354-25	Section #4 Assembly (Complete)	1
*	93-1386	Section #5 Assembly (Complete)	1
*	353-841	Position - Spool Assembly (Incl. Ref. #20 27 37 & 51)	1
*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
*	84-2203	Control Valve Assembly 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

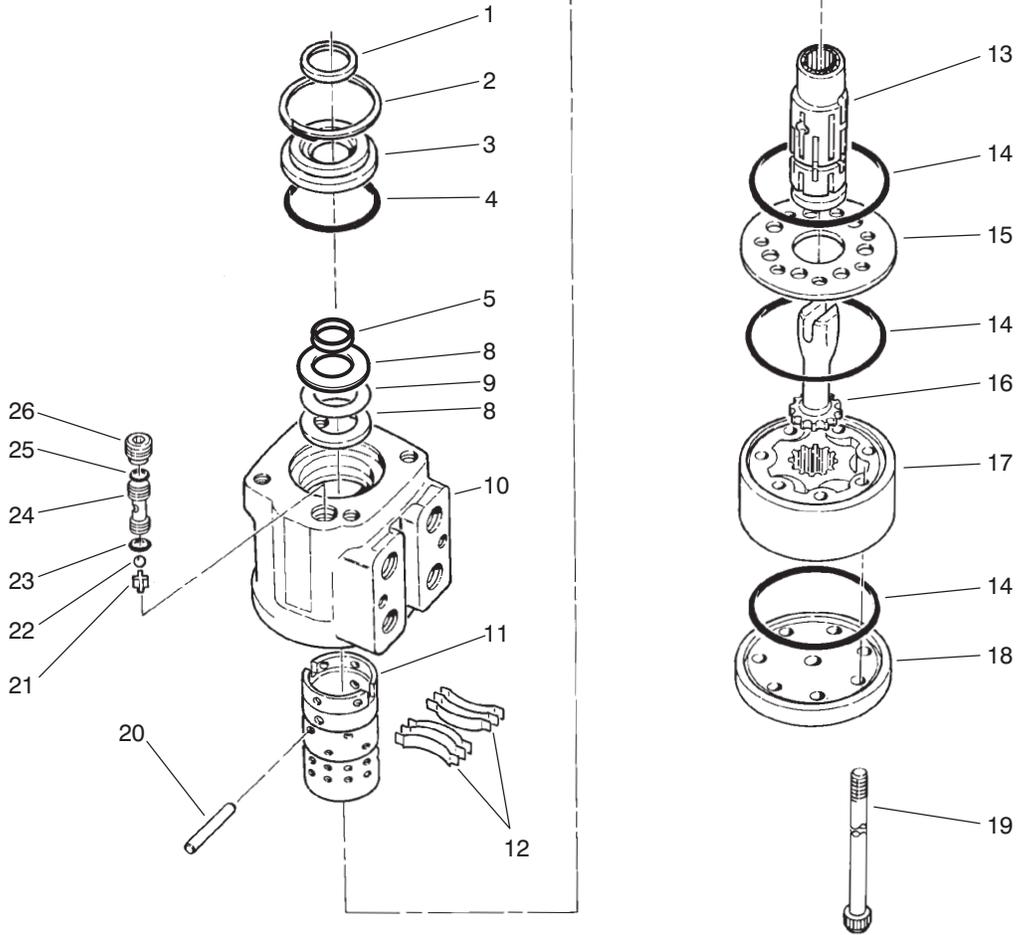
†Parts Available as Assemblies Listed as (\*Not Illustrated) on This Page



T-1291B

## STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-80	Screw - Cap Hex. Hd.	3	19	325-4	Screw - Cap Hex. Hd.	2
2	3256-80	Washer - Flat	3	20	47-2890	Bushing - Sleeve	2
3	83-0650	Arm - Steering	1	21	3274-39	Screw - Cap Hex. Hd.	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	Steering - Valve Assembly	1
6	83-0750	Screw - Cap Hex. Hd. L.H.	1	25	83-0810	Cover - Steering Valve	1
7	323-4	Screw - Cap Hex. Hd.	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	Seal - O-Ring	4
10	47-6990	Nut - Steering Wheel	1	30	340-1	Fitting - Hydraulic Straight (Incl. Ref. #29 & 31)	4
11	68-5130	Steering Wheel Assembly (Incl. Ref. #8 & 9)	1	31	237-42	Seal - 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 - Hex. Socket Hd.	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

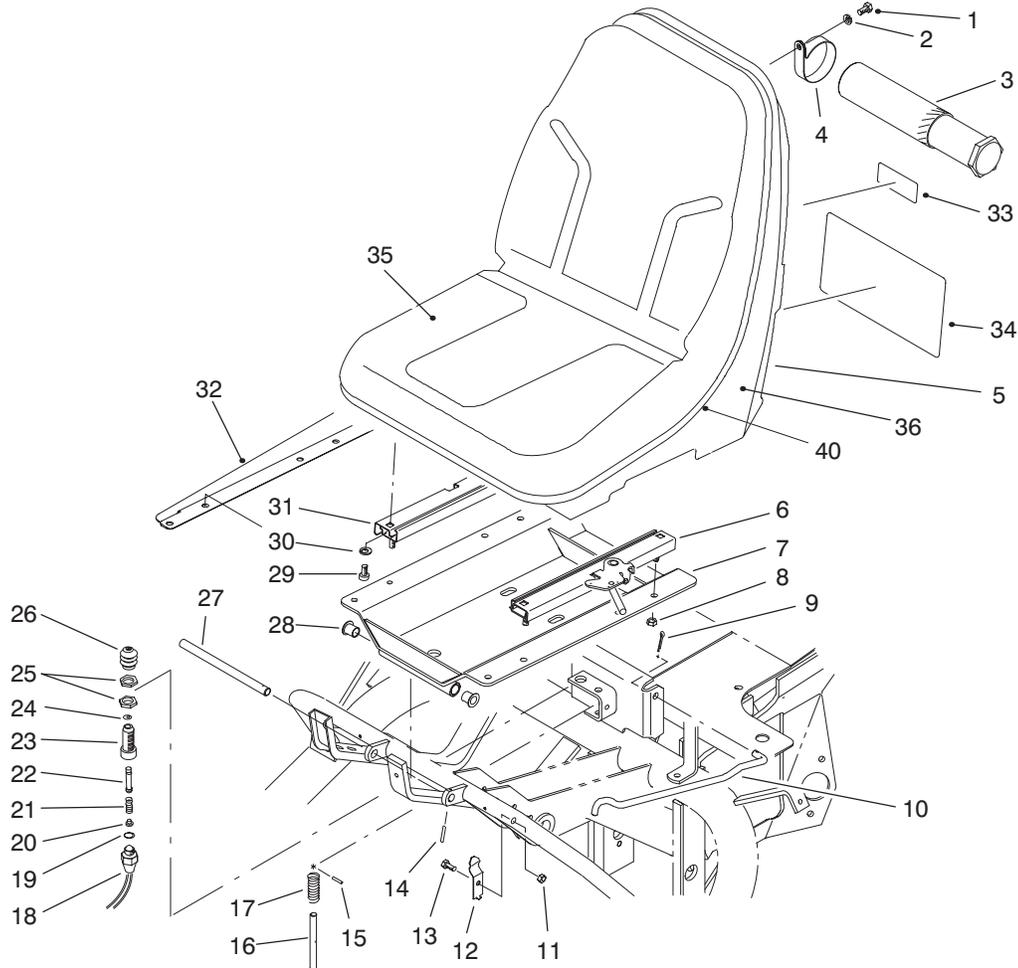
## POWER STEERING VALVE NO. 92-8690

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	Centering Spring Kit	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	Centering Pin Kit	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	Needle Bearing Kit (Incl. Ref. #8-9)	1
*	83-1880	Control Parts Assembly (Incl. Ref. #10-13 & 20)	1
*	92-8695	Seal Kit (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

\*Not Illustrated

†Not Serviced Separately

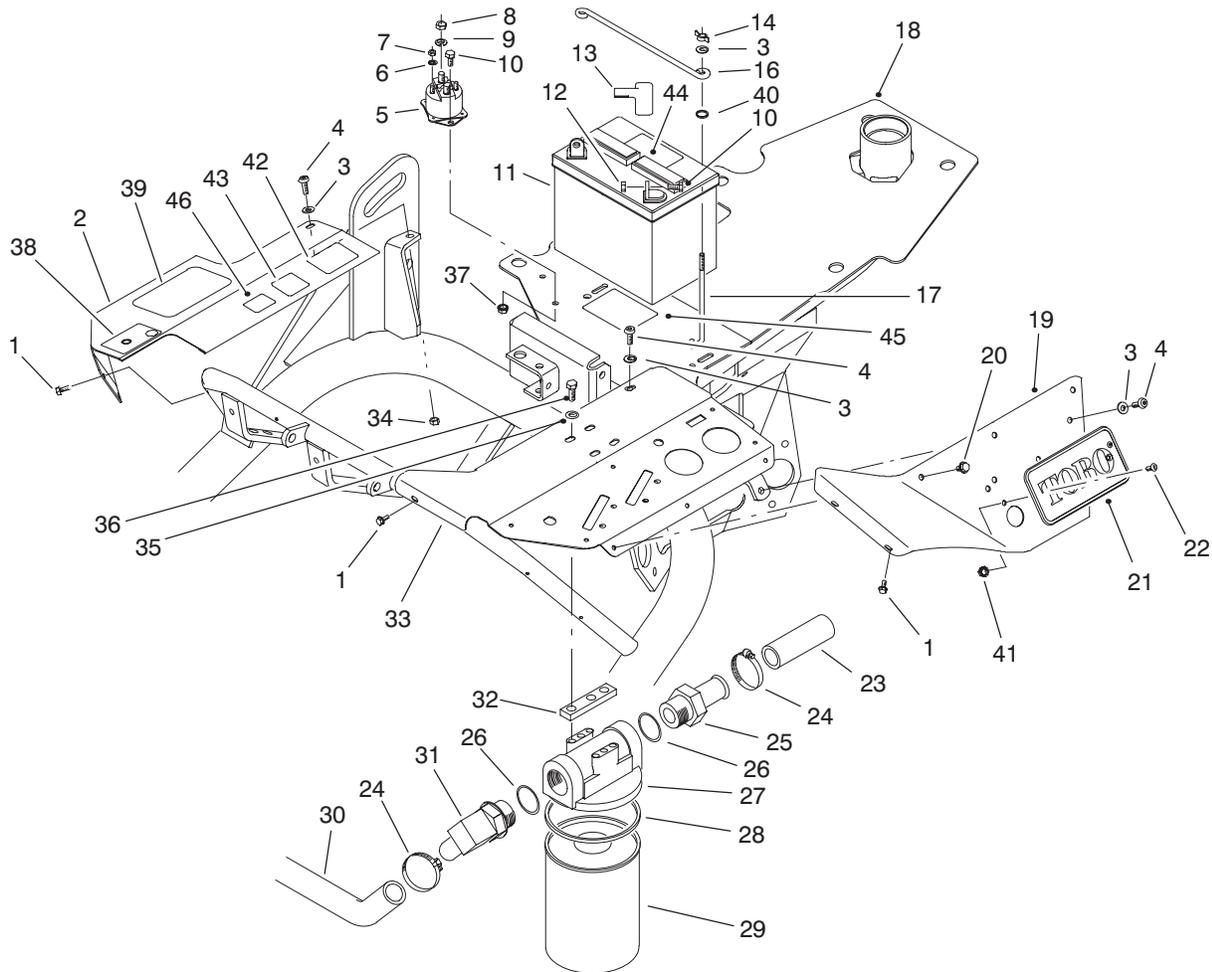


T-1290A

## SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap Hex. Hd.	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 - Hex. Socket Hd.	4
5	92-1180	Seat Assembly (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	Seat Support Assembly (Incl. Ref. #28)	1	32	83-1840	Cover - R.H.	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	92-9779	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 - Cap Hex. Hd.	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	Seal - 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	Seal - O-Ring	1	40	351-78	Edging	1
25	218-461	Nut - Hex.	2	*	43-9071	Seat Switch Assembly (Incl. Ref. #18-26)	1

\*Not Illustrated

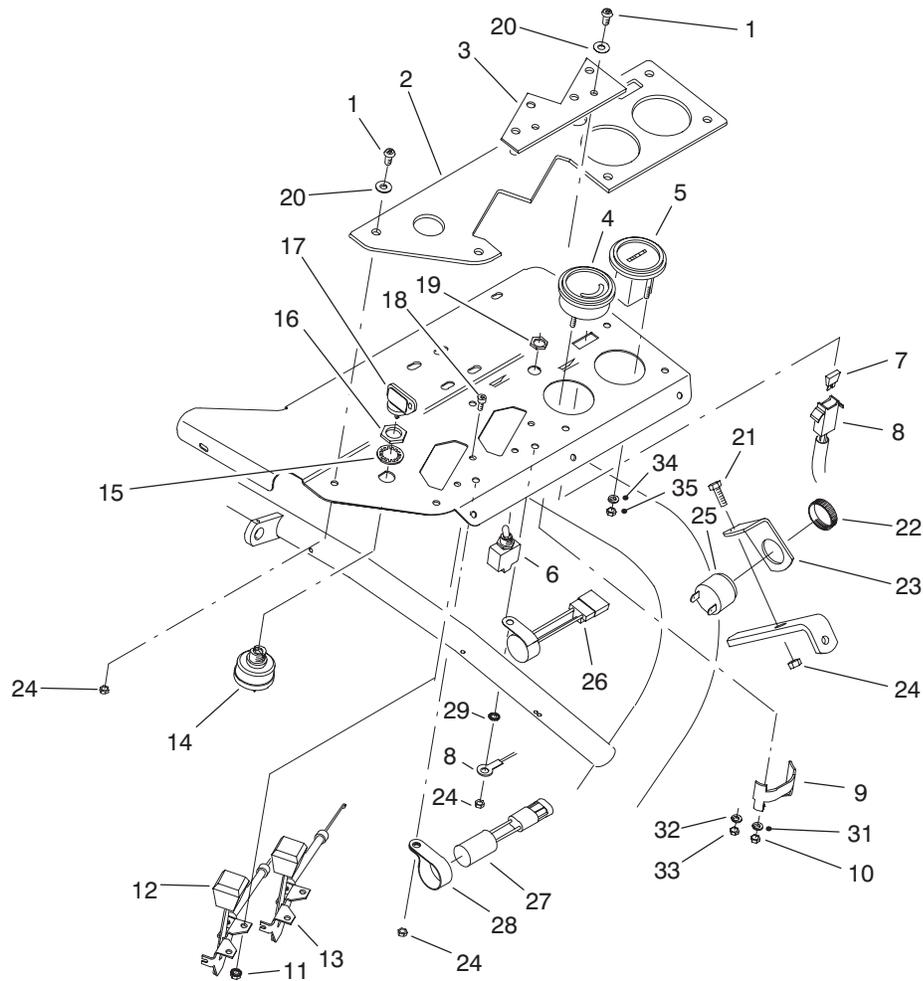


T-1295B

## FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw - Self Tapping	5
2	94-2694	Cover - R.H.	1
3	3256-22	Washer - Flat	5
4	3274-91	Screw - Hex. Socket Hd.	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 - Cap Hex. Hd.	4
11	28-1400	Battery	1
12	3217-5	Nut - Hex.	2
13	28-8080	Boot Terminal	1
14	32103-12	Nut - Wing	2
16	72-4790	Hold-Down - Battery	1
17	56-7720	Bolt - Battery	2
18	92-9164	Frame Assembly	1
19	83-0840	Fender - L.H.	1
20	46-8560	Screw - Self Taping	3
21	61-3310	Plate - Logo	1
22	3290-470	Screw - Flat Hd.	2
23	83-1430	Hose - Hydraulic	1
24	2412-34	Clamp - Hose	3
25	353-563	Fitting - Hydraulic Straight (Incl. Ref. #26)	1

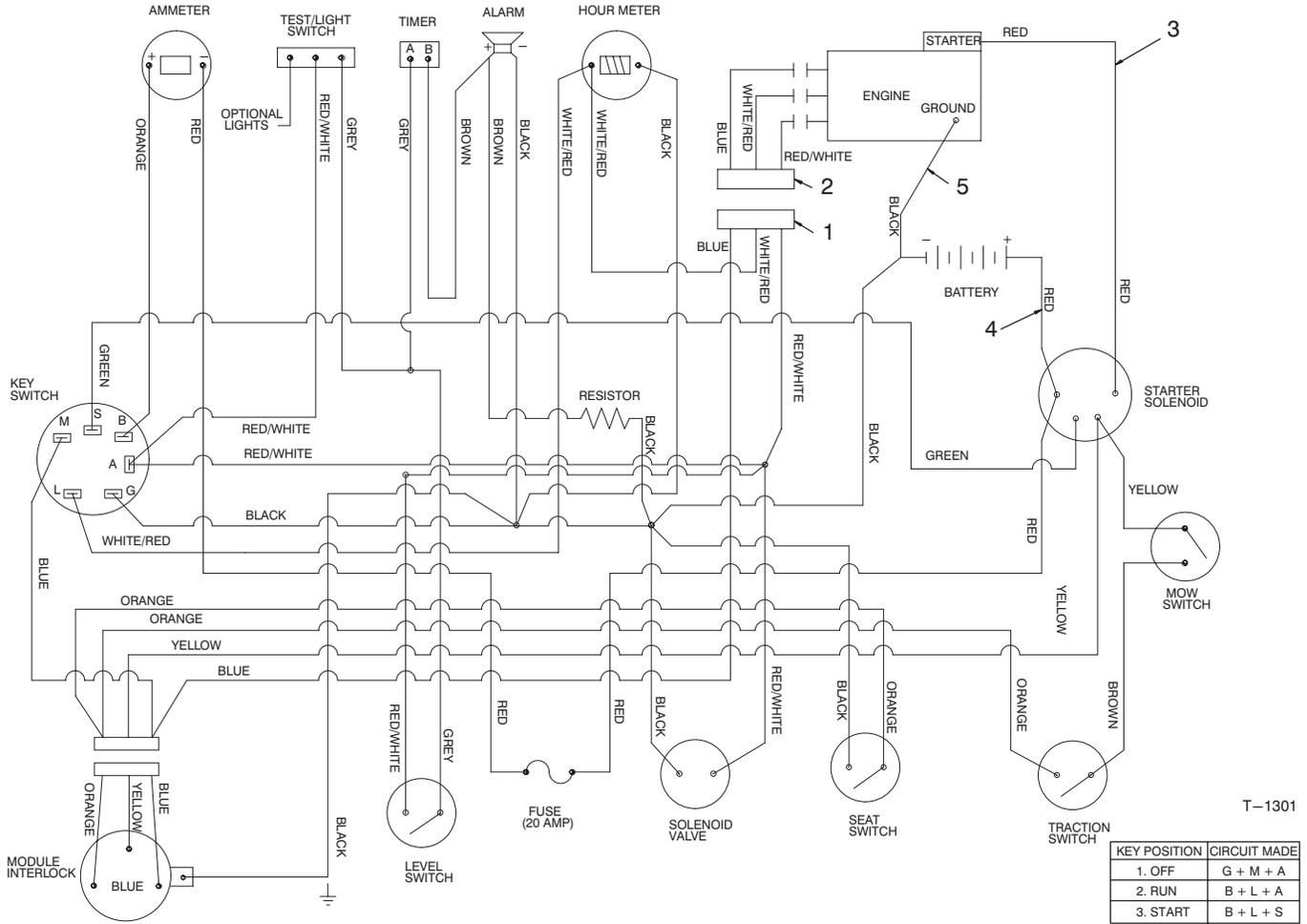
Ref. No.	Part No.	Description	No. Used
26	237-101	Seal - O-Ring	2
27	44-5560	Head - Oil Filter	1
28	72-3850	Seal - Filter	1
29	74-3570	Filter - Hydraulic Oil (Incl. Ref. #28)	1
30	68-5880	Hose - Hydraulic	1
31	353-564	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
32	27-2380	Spacer	2
33	83-0830	Panel - Control Upper	1
34	3296-16	Nut - Lock	3
35	3256-23	Washer - Flat	4
36	322-4	Screw - Cap Hex. Hd.	4
37	32149-2	Nut - Keps	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 - Keps	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 - C.E. Mark	1



T-1296B

## CONTROL PANEL ASSEMBLY

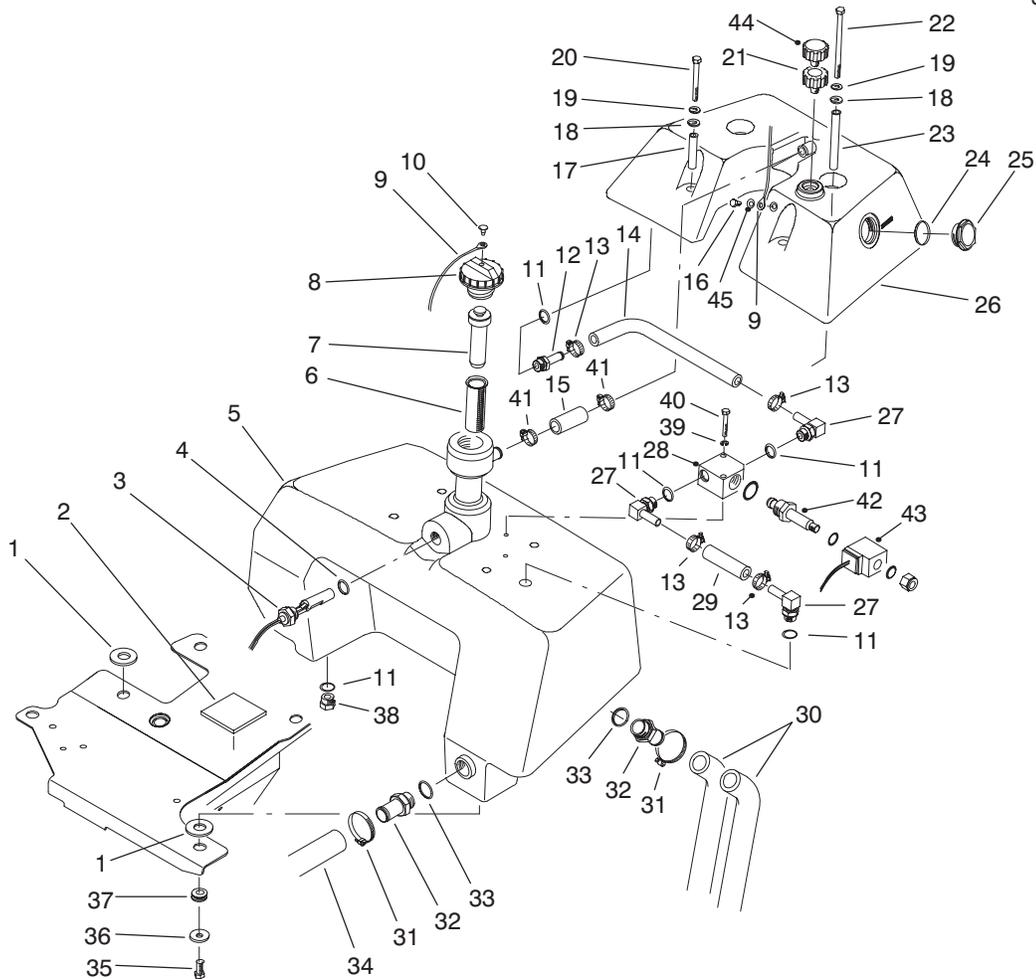
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-69	Screw - Hex. Socket Hd.	8	16	218-461	Nut - Hex.	1
2	93-8061	Plate - Control	1	17	63-8360	Key - Ignition	2
2	83-2570	Plate - Control (Japanese)	1	18	3273-26	Screw - Hex. Socket Hd.	4
3	83-2030	Plate - Filler	1	19		Nut - Hex.	2
4	83-0820	Gauge - Ammeter (Incl. Ref. #9-10 & 31-33)	1	20	3256-1	Washer - Flat	8
5	66-2950	Gauge - Hourmeter (Incl. Ref. #34 & 35)	1	21	321-4	Screw - Cap Hex. Hd.	1
6	83-1660	Switch Assembly (Incl. Ref. #19)	1	22		Retainer - Alarm	1
7	218-594	Fuse - 20 Amp	1	23	83-1530	Bracket - Alarm	1
8	83-1100	Harness - Wire (Main)	1	24	3296-16	Nut - Lock	9
9	94-6960	Clamp - Mounting	1	25	80-9330	Audio Alarm Assembly (Incl. Ref. #22)	1
10	3217-27	Nut - Hex.	2	26	28-7890	Module - Interlock	1
11	3296-27	Nut - Lock	4	27	83-2280	Timer - Relay	1
12	83-0030	Control - Throttle	1	28	2412-39	Clamp - R	1
13	83-0040	Control - Choke	1	29	3255-7	Washer - Lock, Int. Tooth	1
14	83-0020	Ignition Switch Assembly (Incl. Ref. #15-16)	1	31	3254-10	Washer - Lock, Int. Tooth	2
15	3254-5	Washer - Lock	1	32	3255-24	Washer - Lock, Ext. Tooth	3
				33	3217-16	Nut - Hex.	3
				34	3255-20	Washer - Ext.	2
				35	3217-25	Nut - Hex.	2



## ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	83-1100	Harness - Wire (Main)	1
2	83-1110	Harness - Wire (Engine)	1
3	83-1160	Wire - Solenoid-Starter	1

Ref. No.	Part No.	Description	No. Used
4	83-2420	Wire - Solenoid-Battery	1
5	83-1150	Wire - Engine Ground	1

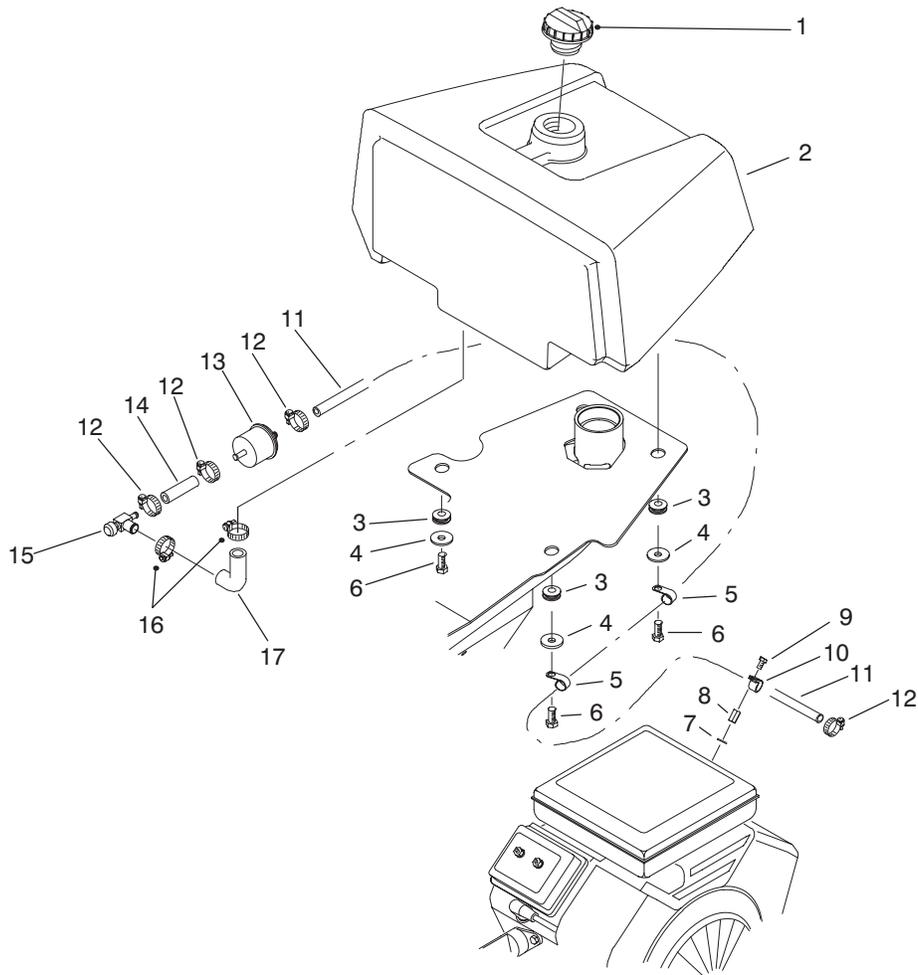


T-1289A

## HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-2400	Spacer - Tank	2
2	83-2390	Pad - Tank	1
3	83-1450	Sensor - Oil Level	1
4	237-80	Seal - O-Ring	1
5	92-8966	Reservoir - Hydraulic	1
6	83-1520	Screen - Filler	1
7	92-4063	Plug - Filler Cap	1
8	93-7160	Cap - Hydraulic Reservoir (Incl. Ref. #9 & 10)	1
9	75-0540	Tether - Cap	1
10	2410-73	Retainer - Tether	1
11	237-79	Seal - O-Ring	5
12	354-121	Fitting - Hydraulic Straight (Incl. Ref. #11)	1
13	2412-36	Clamp - Hose	4
14	83-2070	Hose - Valve	1
15	83-2090	Hose - Overflow	1
16	321-2	Screw - Cap Hex. Hd.	1
17	83-1550	Spacer - Tank (Short)	2
18	83-1470	Washer - Neoprene	4
19	3256-71	Washer - Flat	4
20	322-14	Screw - Cap Hex. Hd.	2
21	92-8020	Adapter - Breather	1
22	322-29	Screw - Cap Hex. Hd.	2
23	83-1560	Spacer - Tank (Long)	2
24	237-123	Seal - O-Ring	1

Ref. No.	Part No.	Description	No. Used
25	83-2250	Gauge - Sight (Incl. Ref. #24)	1
26	83-2100	Tank - Auxiliary Hydraulic	1
27	354-120	Fitting - Hydraulic 90° (Incl. Ref. #11)	3
28	83-1460	Solenoid Valve Assembly (Incl. Ref. #42 & 43)	1
29	83-2080	Hose - Valve-Tank	1
30	83-0910	Hose - Hydraulic	2
31	2412-34	Clamp - Hose	3
32	83-0870	Fitting - Hydraulic Straight (Incl. Ref. #33)	3
33	237-177	Seal - O-Ring	3
34	83-1430	Hose - Hydraulic	1
35	323-6	Screw - Cap Hex. Hd.	3
36	63-8410	Washer - Flat	3
37	240-11	Grommet	3
38	353-550	Plug - Hydraulic (Incl. Ref. #11)	1
39	3253-3	Washer - Lock	2
40	321-11	Screw - Cap Hex. Hd.	2
41	2412-141	Clamp - Hose	2
42	83-2000	Spool - Valve	1
43	83-2010	Coil - Valve	1
44	68-6150	Breather	1
45	3256-22	Washer - Flat	1



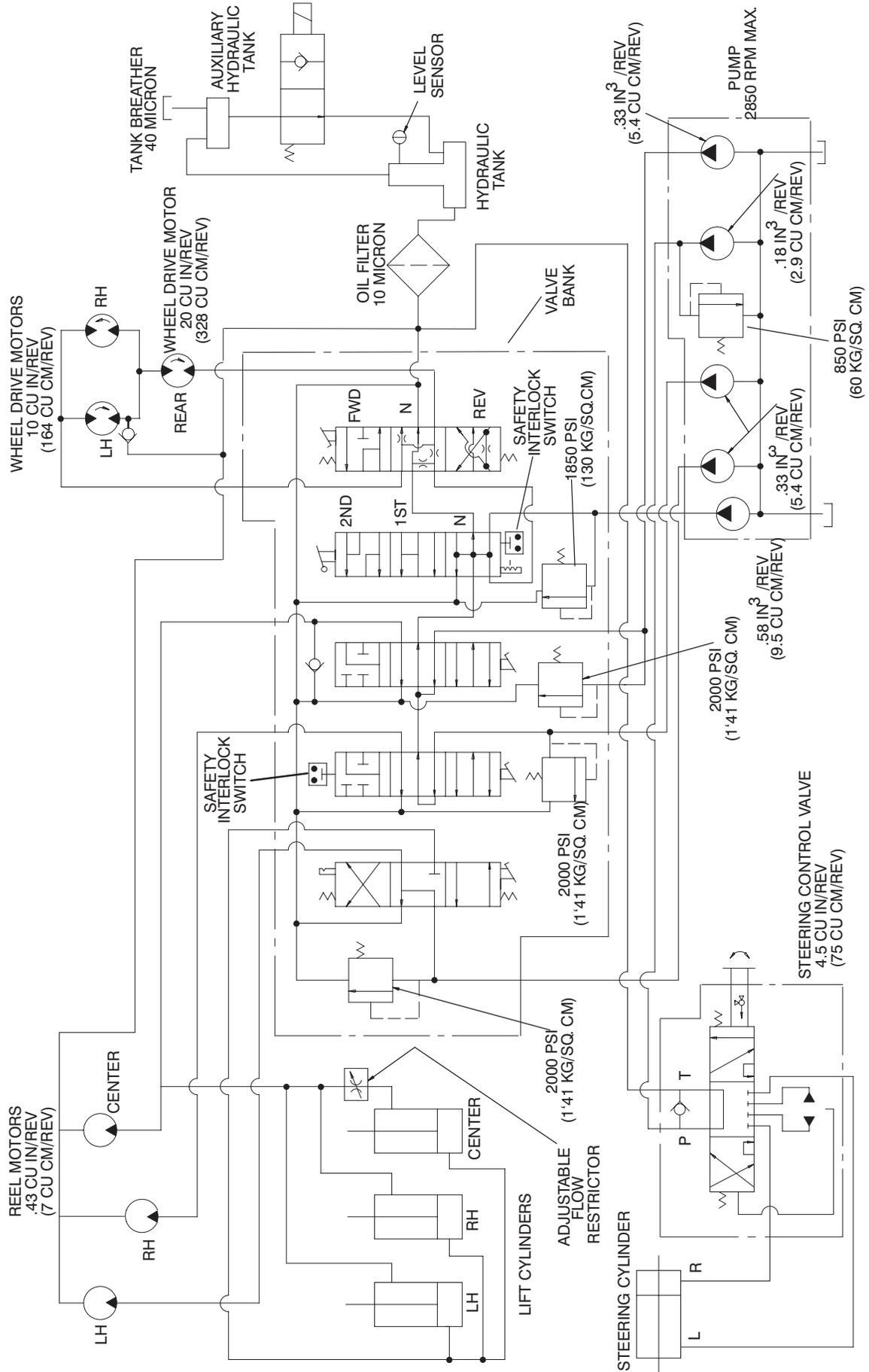
T-1317B

## FUEL TANK ASSEMBLY

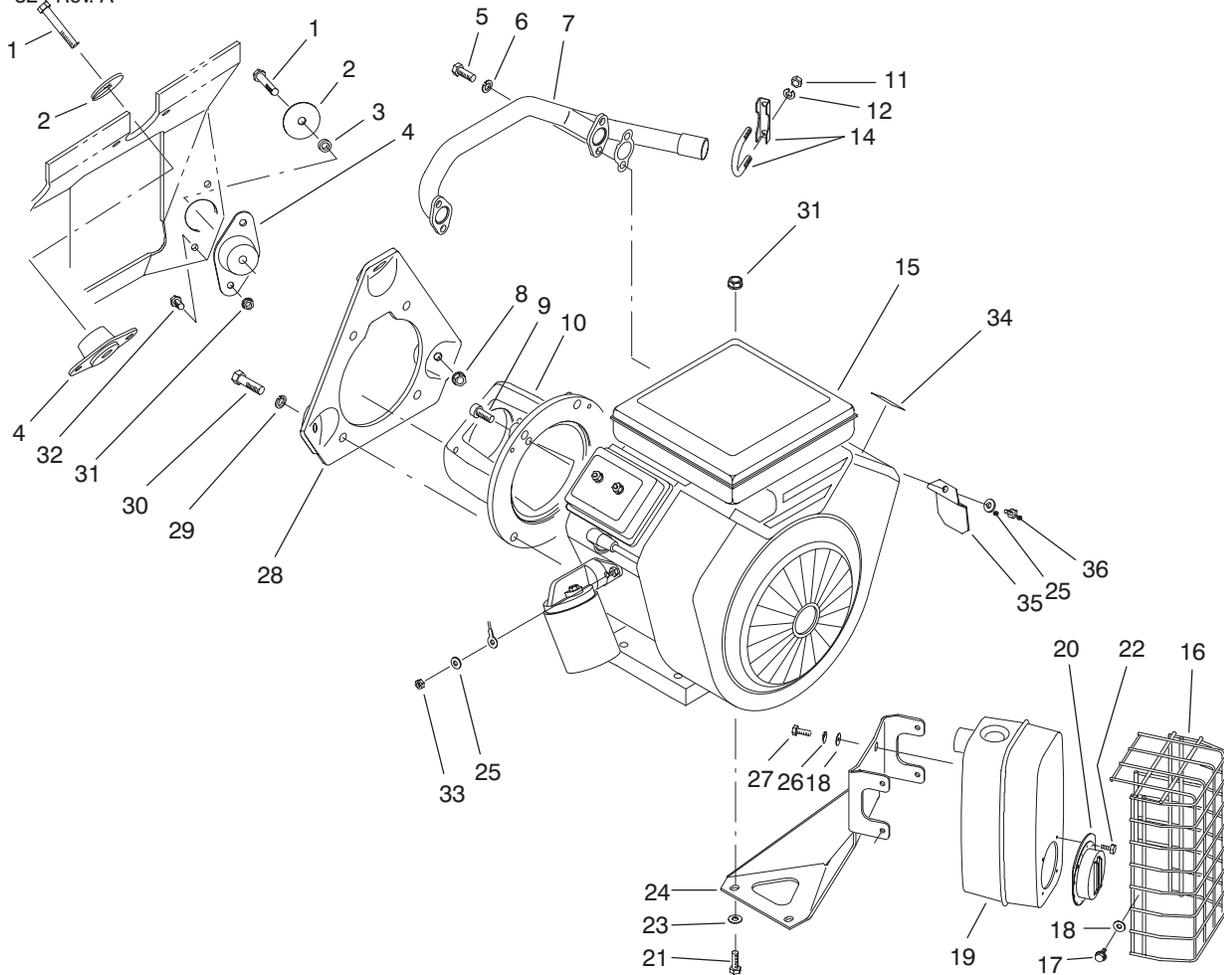
Ref. No.	Part No.	Description	No. Used
1	93-7170	Cap - Fuel	1
2	92-7189	Tank - Fuel	1
3	240-11	Grommet	4
4	63-8410	Washer - Flat	4
5	2412-41	Clamp - R	3
6	323-6	Screw - Cap Hex. Hd.	3
7	3256-63	Washer - Flat	1
8	83-2200	Nut - Special	1
9	48-7610	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
10	2412-94	Clamp - R	1
11	93-0116	Hose - Fuel	1
12	2412-108	Clamp - Hose	4
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

# HYDRAULIC SCHEMATIC



T-1840C

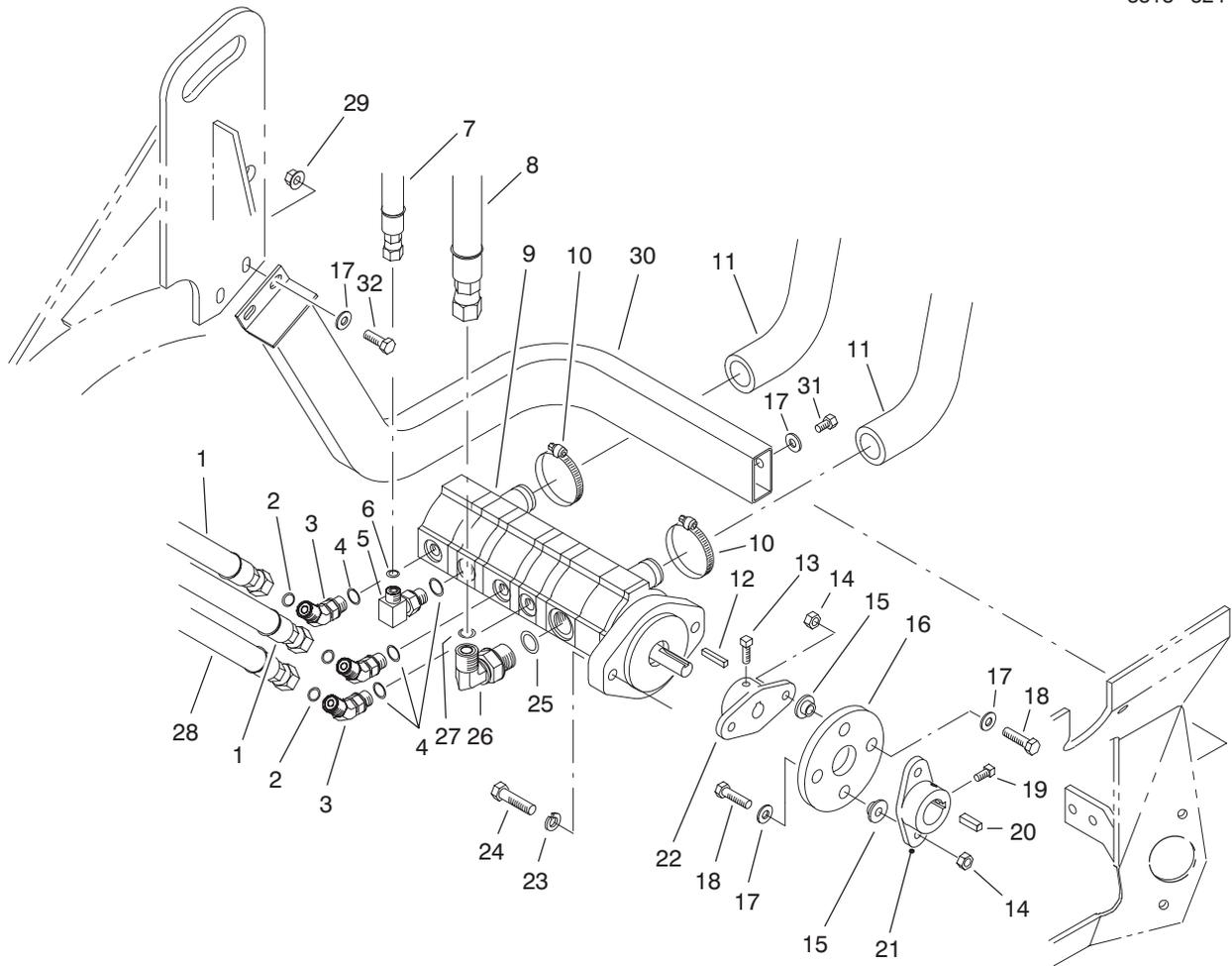


## ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-12	Screw - Cap Hex. Hd.	3
2	83-1040	Washer - Mount	3
3	83-1050	Spacer - Mount	2
4	83-1030	Mount - Engine	3
5		Screw - Cap Hex. Hd.	4
6		Washer - Lock	4
7	83-1080	Pipe - Exhaust	1
8	3290-357	Nut - Flange Lock	3
9	3274-7	Screw - Socket Hd.	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	83-0010	Engine Assembly (Incl. Ref. #5 & 6)	1
16	83-1400	Shield - Muffler	1
17	12-3270	Screw - Hex. Washer Hd.	4
18	3256-1	Washer - Flat	8
19	493963	Muffler	1

Ref. No.	Part No.	Description	No. Used
*	83-2240	Arrestor - Spark (Optional)	1
20	83-2220	Deflector - Exhaust	1
21	322-8	Screw - Cap Hex. Hd.	2
22	83-2230	Screw - Cap Hex. Hd.	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	321-4	Screw - Cap Hex. Hd.	4
28	85-8120	Plate - Engine Mount	1
29	3253-6	Washer - Lock	4
30	324-7	Screw - Cap Hex. Hd.	4
31	32128-20	Nut - Flange Lock	8
32	322-3	Screw - Cap Hex. Hd.	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	48-7620	Screw - Cap Hex. Hd.	1

\*Not Illustrated

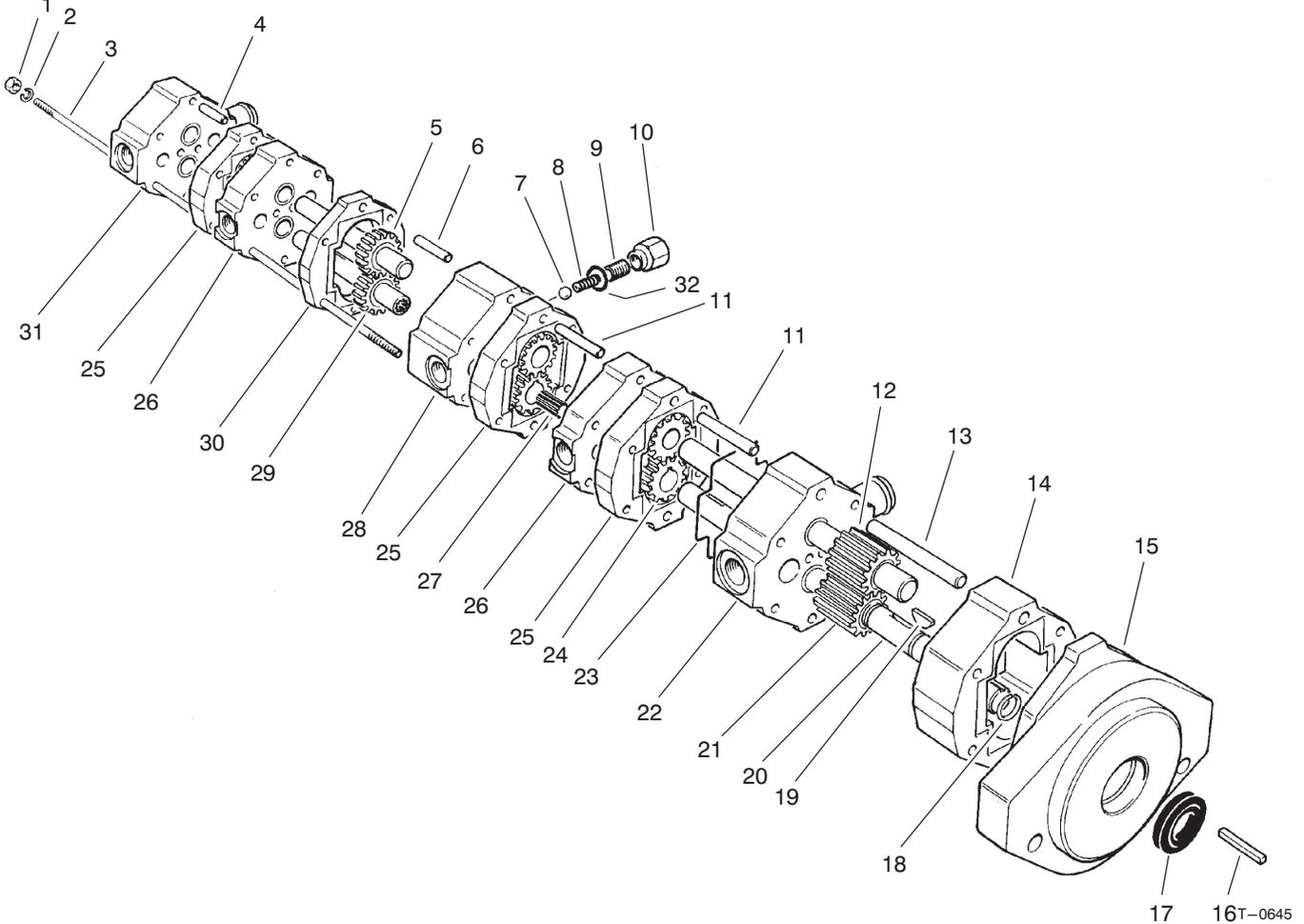


T-1292

## HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-1190	Hose - Hydraulic	2
2	237-22	Seal - O-Ring	3
3	340-87	Fitting - Hydraulic 45° (Incl. Ref. #2 & 4)	3
4	237-42	Seal - O-Ring	4
5	340-82	Fitting - Hydraulic 90° (Incl. Ref. #4 & 6)	1
6	237-21	Seal - O-Ring	1
7	83-1350	Hose - Hydraulic	1
8	83-1180	Hose - Hydraulic	1
9	92-9764	Hydraulic Pump Assembly (Incl. Ref. #12)	1
10	2412-34	Clamp - Hose	2
11	83-0910	Hose - Pump	2
12	5-0946	Key - Square	1
13	3241-6	Screw - Set Square Hd.	2
14	3296-29	Nut - Lock	4
15	27-6600	Spacer - Coupling	4

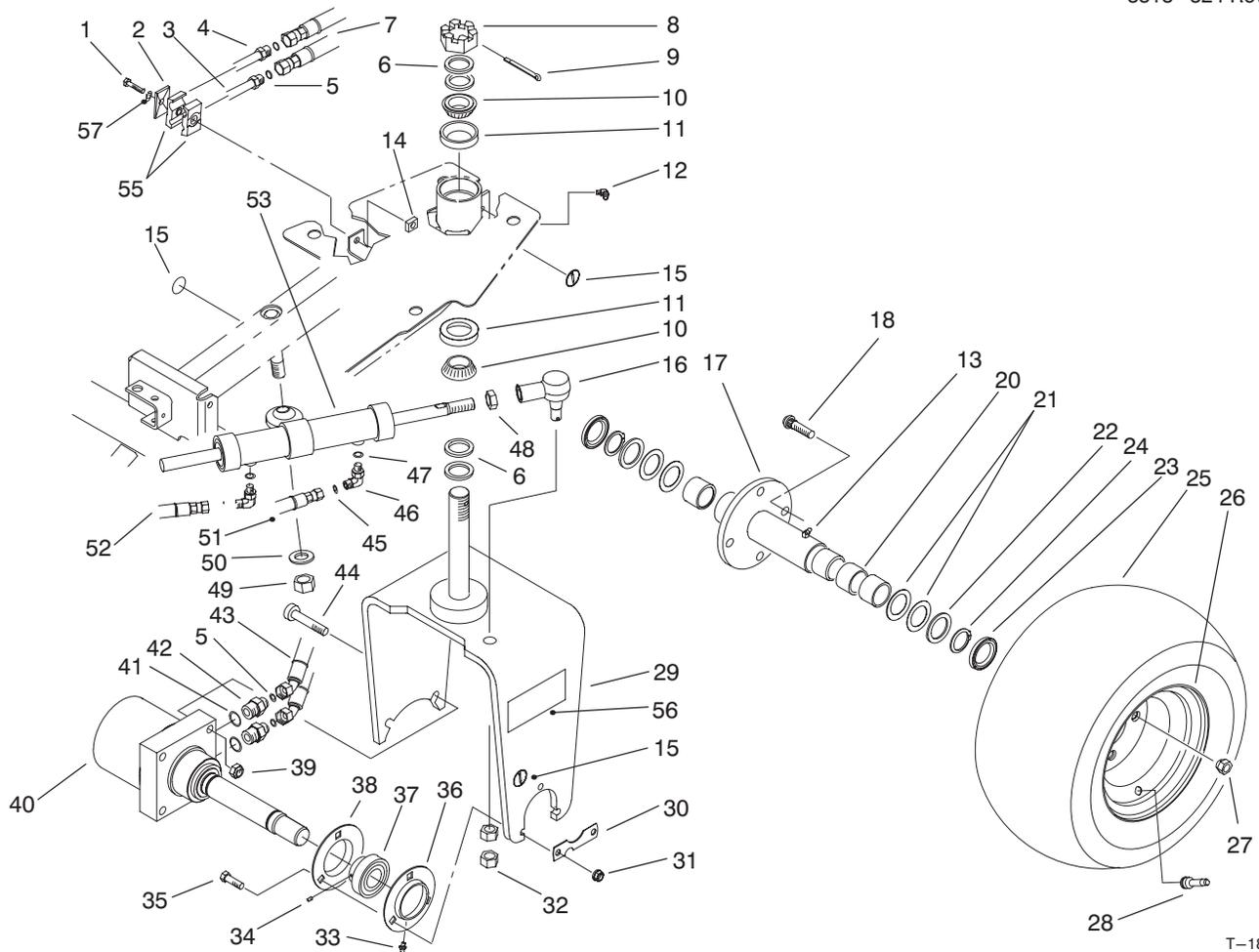
Ref. No.	Part No.	Description	No. Used
16	44-2230	Coupling - Rubber	1
17	3256-23	Washer - Flat	8
18	322-6	Screw - Cap Hex. Hd.	4
19	3241-2	Screw - Set Square Hd.	2
20	10-7070	Key - Square	1
21	27-1960	Hub - Engine	1
22	27-1970	Hub - Pump	1
23	3253-21	Washer - Lock	2
24	323-8	Screw - Cap Hex. Hd.	2
25	237-80	Seal - O-Ring	1
26	340-105	Fitting - Hydraulic 90° (Incl. Ref. #25 & 27)	1
27	237-30	Seal - O-Ring	1
28	83-1170	Hose - Hydraulic	1
29	32128-20	Nut - Flange Lock	2
30	83-1940	Guard - Pump	1
31	322-1	Screw - Cap Hex. Hd.	2
32	322-4	Screw - Cap Hex. Hd.	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	Idler Shaft - Gear Assy.	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	Idler Shaft - Gear Assy.	1
13	354-14	Pin - Dowel	2
14	92-9766	Plate - Gear 66B	1
15	354-2	Body Assembly	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 - 66B	1
22	354-3	Bearing Plate Assembly	1
23	353-922	Seal - Ring	10
24	353-967	Gear - 33B	6
25	353-969	Plate - Gear 33B	3
26	353-923	Bearing Plate Assembly	2
27	354-5	Adapter - Splined	1
28	354-4	Bearing Plate Assembly (Incl. Ref. #7-10 & 32)	1
29	354-8	Drive Shaft - Gear Assy.	1
30	354-6	Plate - Gear 18B	1
31	354-7	Cover Assembly	1
32	354-35	Gasket	1

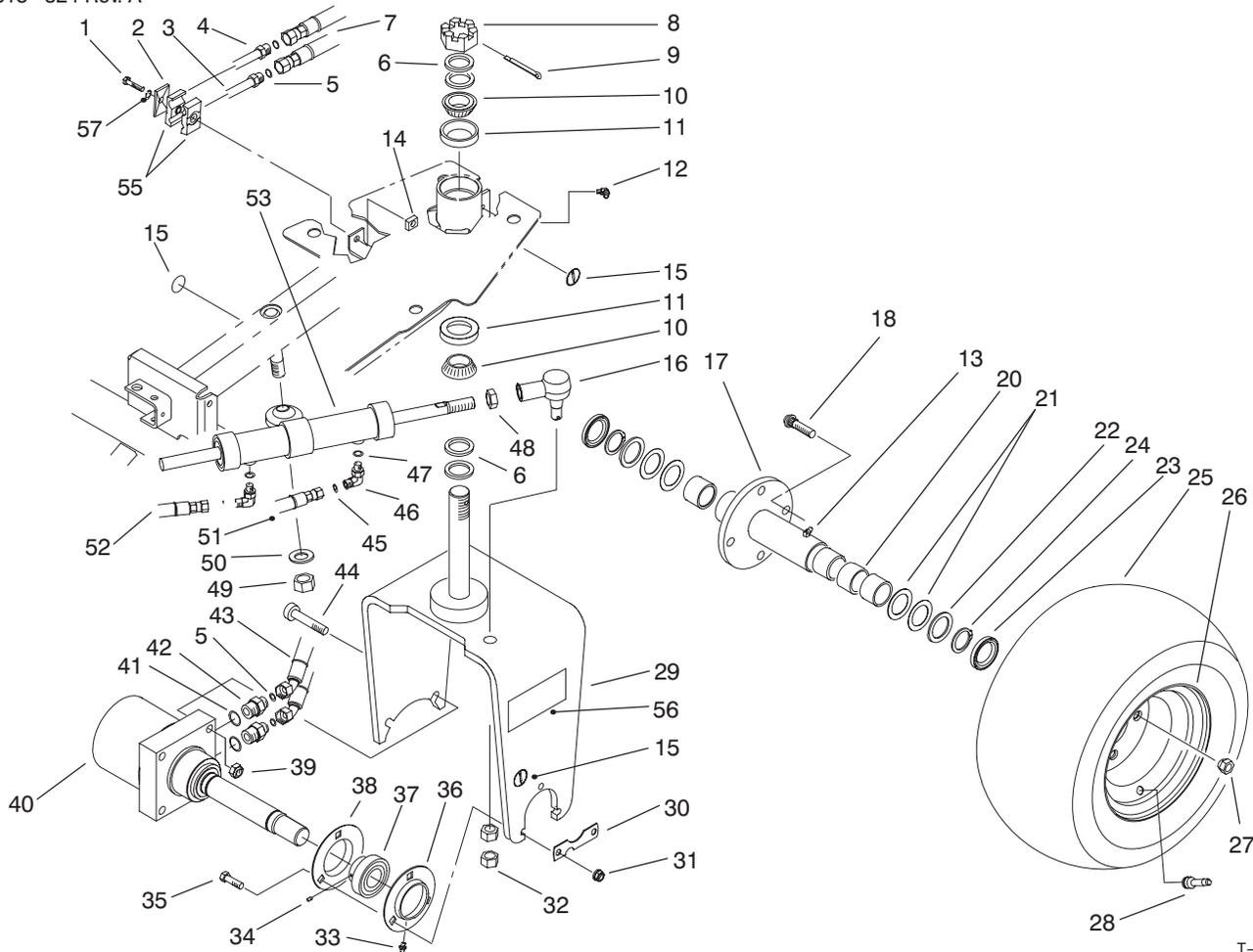


T-1839D

## REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-7	Screw - Cap Hex. Hd.	1
2	89-9760	Cover - Plate	1
3	93-0115	Assy. - Tube, Rear Bottom	1
4	93-0114	Assy. - Tube, Rear Top	1
5	237-30	O-Ring	4
6	18-6320	Washer - Steering	4
7	92-9197	Hose - Hydraulic (Incl. Ref. #5)	2
8	32136-9	Nut - Hex. Slotted	1
9	3272-37	Pin - Cotter	1
10	254-70	Cone - Bearing	2
11	254-61	Cup - Bearing	2
12	302-11	Fitting - Grease 45°	1
13	302-40	Fitting - Grease 90°	2
14	3290-496	Nut - Retaining	1
15	58-6520	Decal - Grease	3
16	83-1640	Rod End Assembly	1
17	92-9152	Hub W.A. - Wheel	1
18	10-6730	Stud - Drive	4
20	92-9167	Roller - Clutch	4
21	92-9166	Washer - Thrust	4
22	92-9159	Washer	2
23	92-9165	Seal - Grease	2
24	32151-10	Ring - Retainer	2
25	28-3680	Tire	1
26	217-60	Rim	1

Ref. No.	Part No.	Description	No. Used
27	242-50	Nut - Lug	4
28	232-27	Valve Stem w/Cap	1
29	93-2529	Fork - Castor	1
30	88-8350	Tab - Bearing	1
31	3296-39	Nut - Lock	3
32	3220-6	Nut - Jam	2
33	302-5	Fitting - Grease	1
34	251-352	Screw - Set	1
35	323-29	Screw - Cap Hex. Hd.	3
36	85-8940	Flange - Bearing, Lube (Incl. Ref. #33)	1
37	251-352	Assembly - Bearing (Incl. Ref. #34)	1
38	85-8950	Flange - Bearing	1
39	3296-23	Nut - Lock	2
40	92-9169	Motor - Hydraulic	1
41	237-80	O-Ring	2
42	340-7	Fitting - Hydraulic (Incl. Ref. #41)	2
43	92-9197	Hose - Hydraulic (Incl. Ref. #5)	2
44	5-3934	Bolt - Fork, Castor	1
45	237-21	O-Ring	2
46	340-132	Fitting - Hydraulic 90° (Incl. Ref. #45 & 47)	2
47	237-78	O-Ring	2



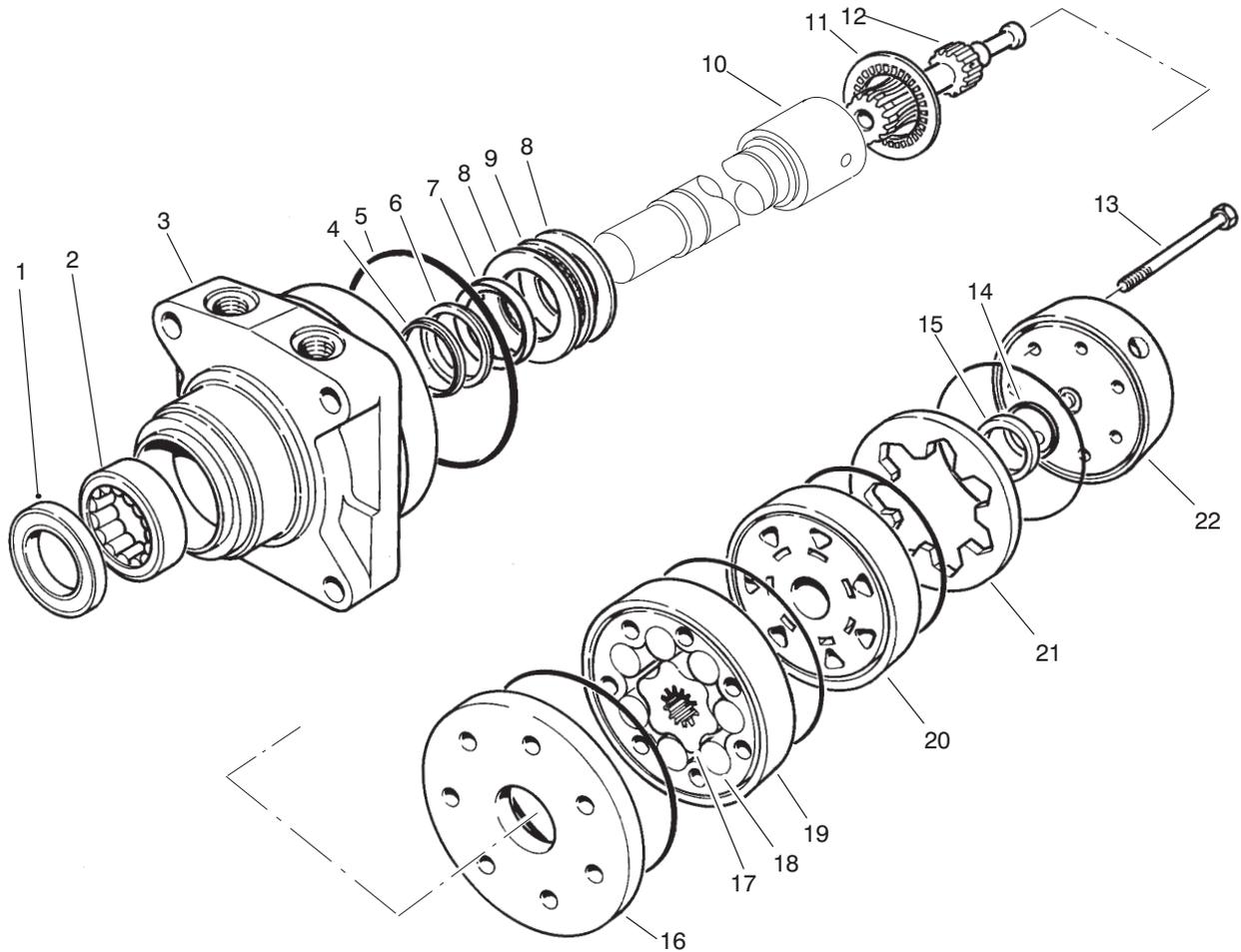
T-1839D

## REAR WHEEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	84-5300	Nut - Jam	1
49	3217-12	Nut - Hex.	1
50	3256-28	Washer - Flat	1
51	83-1360	Hose - Hydraulic	1
52	83-1350	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
53	83-2330	Hydraulic Cylinder Assy.	1
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

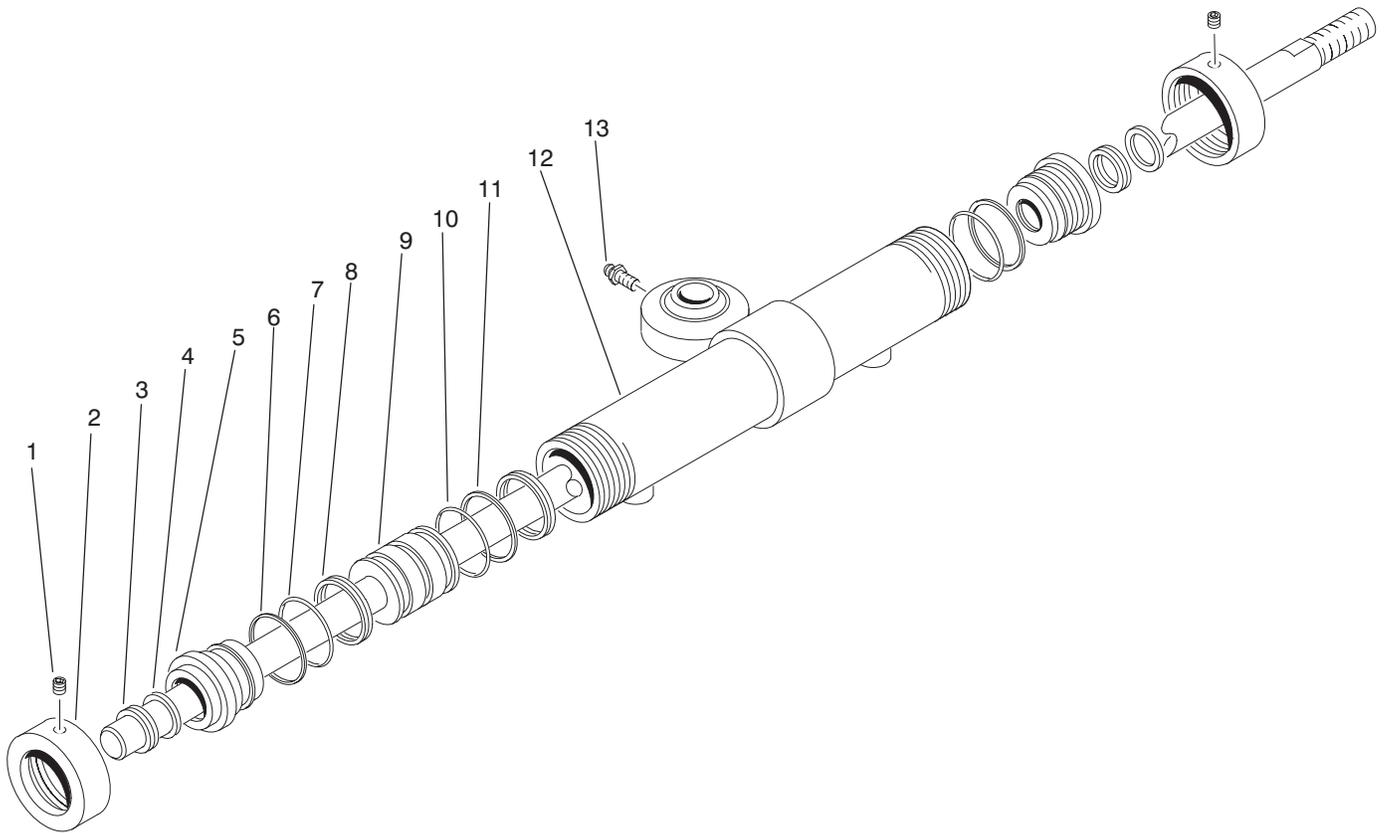


T-1830

## HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9169

Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1
2		Bearing	1
3		Housing	1
4		Washer - Back-Up	1
5		Ring - Seal	5
6		Washer - Back-Up	1
7		Seal - Inner	1
8		Washer - Thrust	2
9		Bearing - Thrust	1
10	92-9760	Shaft - Coupling	1
11	76-0850	Bearing - Thrust	1
12	92-9758	Link - Drive	7
13	92-9756	Screw - Cap Hex. Hd.	1
14		Seal - Commutator	1
15		Commutator	1

Ref. No.	Part No.	Description	No. Used
16	92-9754	Plate - Wear	1
17		Rotor	1
18		Vane	7
19		Stator	1
20	92-9755	Manifold	1
21		Ring - Commutator	1
22	92-9759	End Cover Assembly	1
*	92-9757	Rotor Set (Incl. Ref. #19-21)	1
*	76-0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
*	76-0800	Seal Kit (Incl. Ref. #1, 4-7 & 15)	1
*	92-9753	Housing Assembly (Incl. Ref. #2, 3 & 8-10)	1



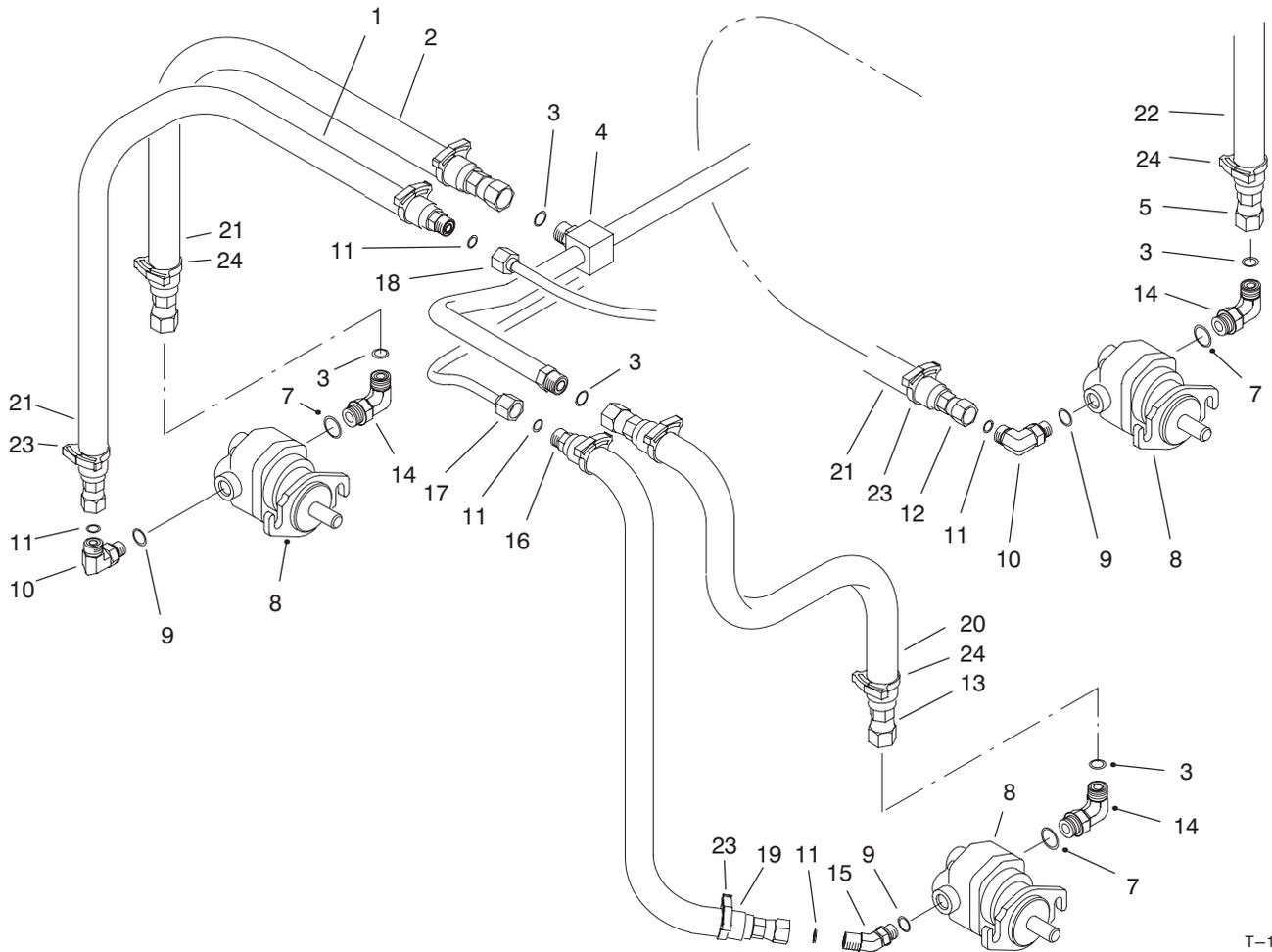
T-1313

## 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

Ref. No.	Part No.	Description	No. Used
9	83-2360	Assembly - Rod	1
10		O-Ring	1
11		Ring - Piston, Urithane	1
12	83-2370	Assembly - Barrel	1
13	302-5	Fitting - Grease	1
*	83-2380	Kit - Seal Repair (Incl. Ref. #1-7)	1

\*Not Illustrated

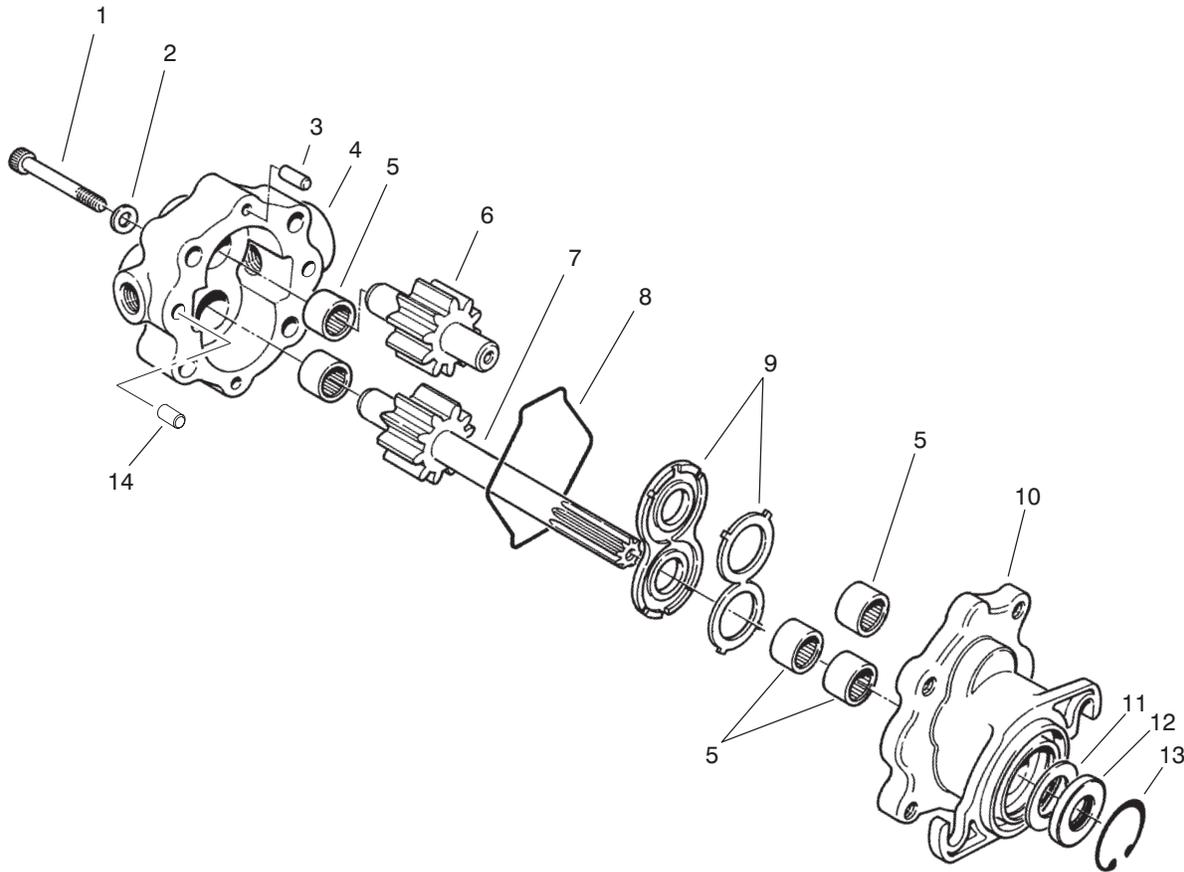


T-1297B

## REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-3810	Hose - Hydraulic (Incl. Ref. #21 & 23)	1
2	63-3820	Hose - Hydraulic (Incl. Ref. #21 & 24)	1
3	237-30	Seal - O-Ring	5
4	63-4040	Hydraulic Tube Assembly (Incl. Ref. #3)	1
5	63-3840	Hose - Hydraulic (Incl. Ref. #22 & 24)	1
7	237-79	Seal - O-Ring	3
8	94-3506	Reel Motor Assembly	3
9	237-42	Seal - O-Ring	3
10	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2
11	237-22	Seal - O-Ring	5
12	74-3830	Hose - Hydraulic (Incl. Ref. #21 & 23)	1

Ref. No.	Part No.	Description	No. Used
13	63-3830	Hose - Hydraulic (Incl. Ref. #20 & 24)	1
14	340-98	Fitting - Hydraulic 90° (Incl. Ref. #3 & 7)	3
15	340-87	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	1
16	63-3870	Hose - Hydraulic (Incl. Ref. #19 & 23)	1
17	63-4020	Tube - Hydraulic	1
18	63-4030	Tube - Hydraulic	1
19	56-7986	Sleeve - Protective	1
20	56-7987	Sleeve - Protective	1
21	56-7980	Sleeve - Protective	3
22	56-7981	Sleeve - Protective	1
23	93-9346	Clamp - Hose, Pressure	6
24	93-9347	Clamp - Hose, Return	6



T-1872

## REEL MOTOR NO. 94-3506

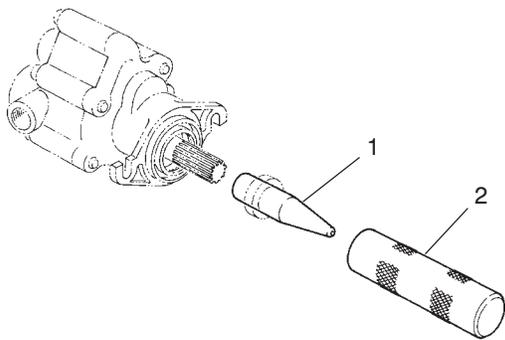
Ref. No.	Part No.	Description	No. Used
1	354-50	Screw - Hex. Socket Hd.	4
2	354-51	Washer	4
3	353-599	Pin - Dowel	2
4	94-3507	Cover Assembly (Incl. Ref. #5)	
5		Bearing - Needle	5
6	94-3509	Idle Gear Assembly	1
7	94-3508	Drive Sjaft Assembly	1
8	354-46	Ring - Seal	1

Ref. No.	Part No.	Description	No. Used
9	74-3810	Load Plate Assembly	1
10	92-8795	Body Assembly (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	Repair Kit (Incl. Ref. #8 & 11-13)	1

\*Not Illustrated

# SPECIAL TOOLS

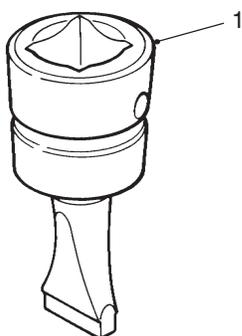
## REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

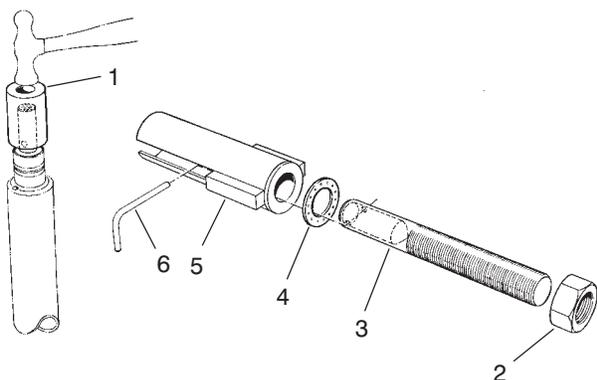
## BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

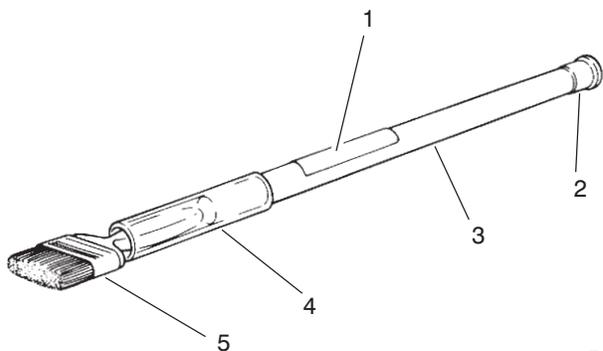
## BEARING REPLACEMENT TOOL KIT NO. TOR238900



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



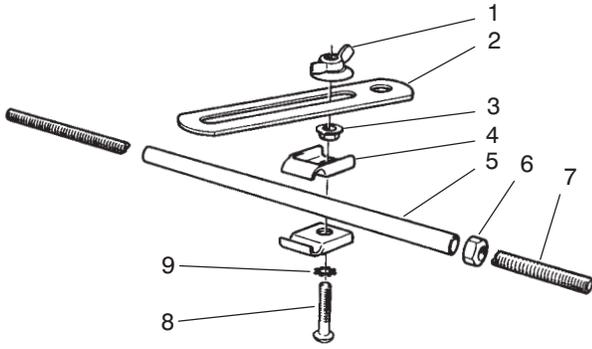
T-0731

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)

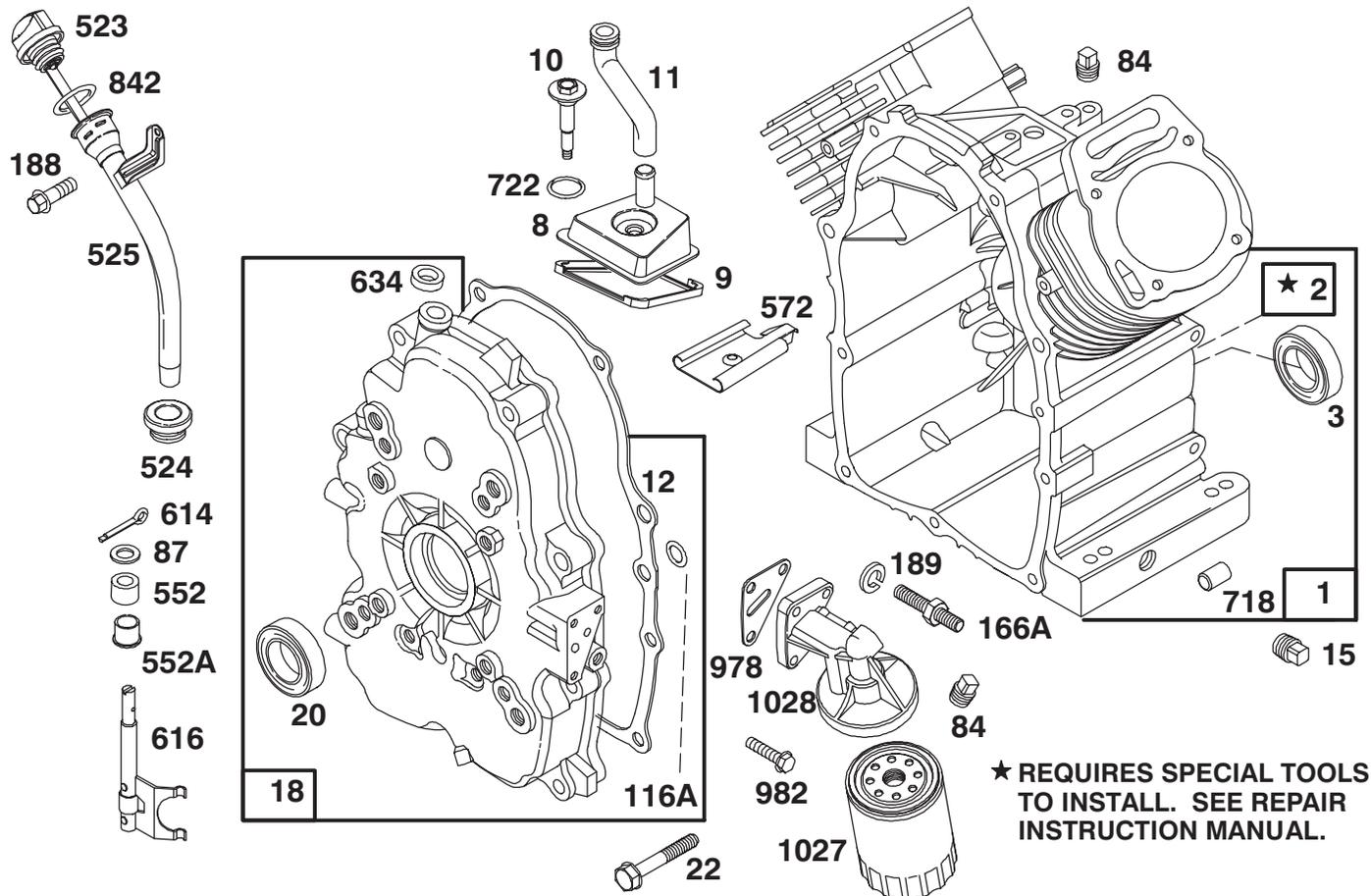
## ALIGNMENT TOOL NO. TOR200120



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 - Lock, Flange	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, Int. Tooth	1

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



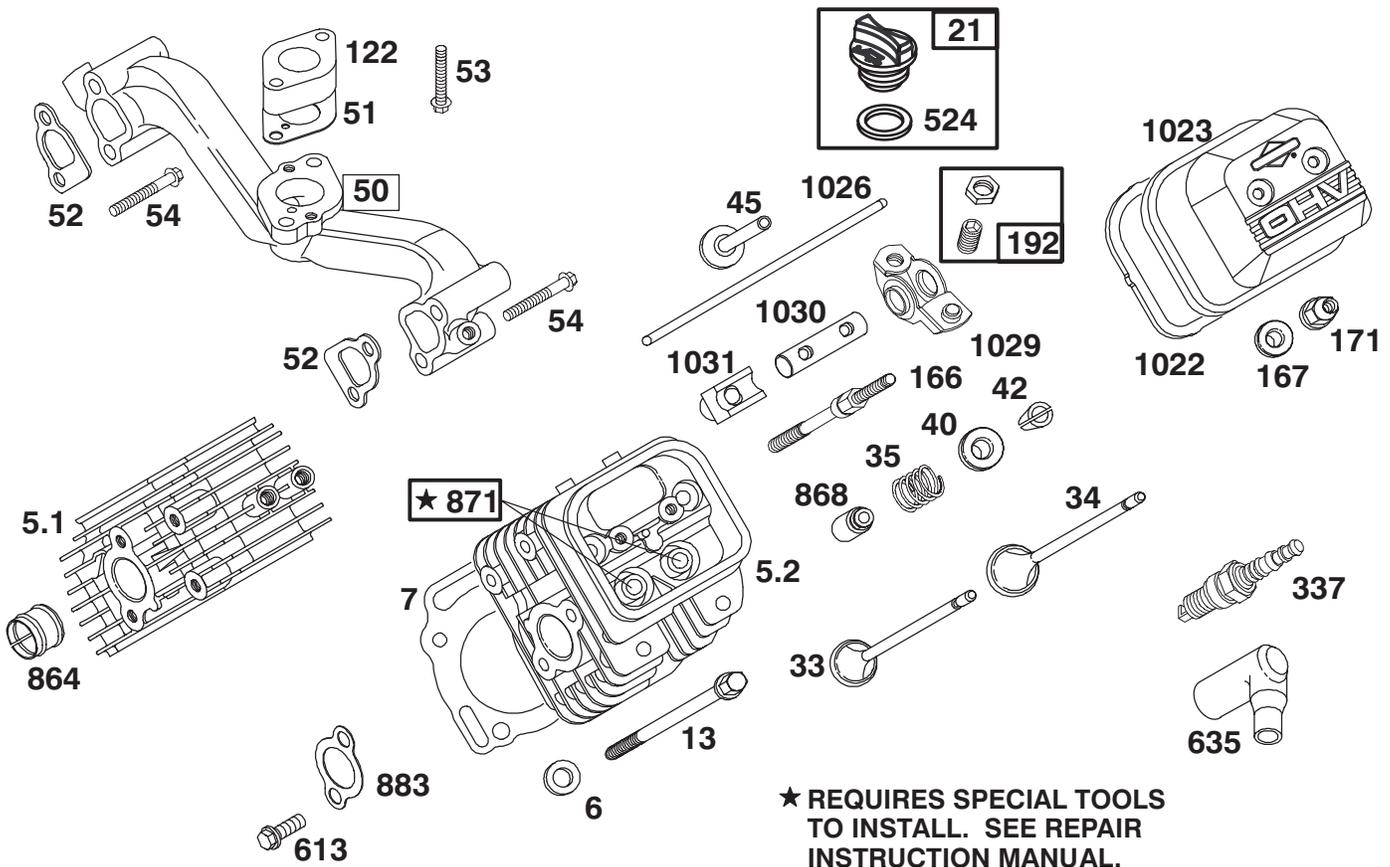
Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
1	807521	Cylinder Assembly	
2	805107	Bearing – Cylinder	
3	805101	Seal – Oil	
8	807795	Breather Assembly	
*9	805379	Gasket – Breather	
10	805751	Screw – Hex. Washer Head	
11	805362	Tube – Breather	
*12	805112	Gasket – Crankcase Cover	
15	805048	Plug – Oil Drain	
18	807628	Cover Assembly – Crankcase	
20	805049	Seal – Oil	
22	805017	Screw – Crankcase Cover	
84	805059	Plug – Pipe	
87	805054	Seal – Governor Shaft	
*116A	805198	O-Ring (Crankcase Cover)	
166A	805073	Stud – Oil Filter Adapter	
188	805247	Screw – Hex. Head	

Ref. No.	Part No.	Description	No. Used
189	805449	Lockwasher	
523	807585	Dipstick	
524	805259	Seal – Filler Tube	
525	807584	Tube – Oil Filler	
552	805412	Bushing – Governor Shaft	
552A	805413	Bushing – Governor Shaft	
572	805197	Baffle – Breather	
614	805417	Pin – Cotter	
616	807596	Fork – Governor	
634	805416	Washer – Governor Shaft	
718	805103	Dowel – Crankcase	
*722	805483	Seal – Breather Screw	
842	805386	O-Ring	
*978	805250	Gasket – Oil Filter Adapter	
982	805030	Screw	
1027	491056	Filter – Oil	
1028	805292	Adapter – Oil Filter	

\*Included in Gasket Set – Part No. 807989.



Assemblies include all parts shown in frames.

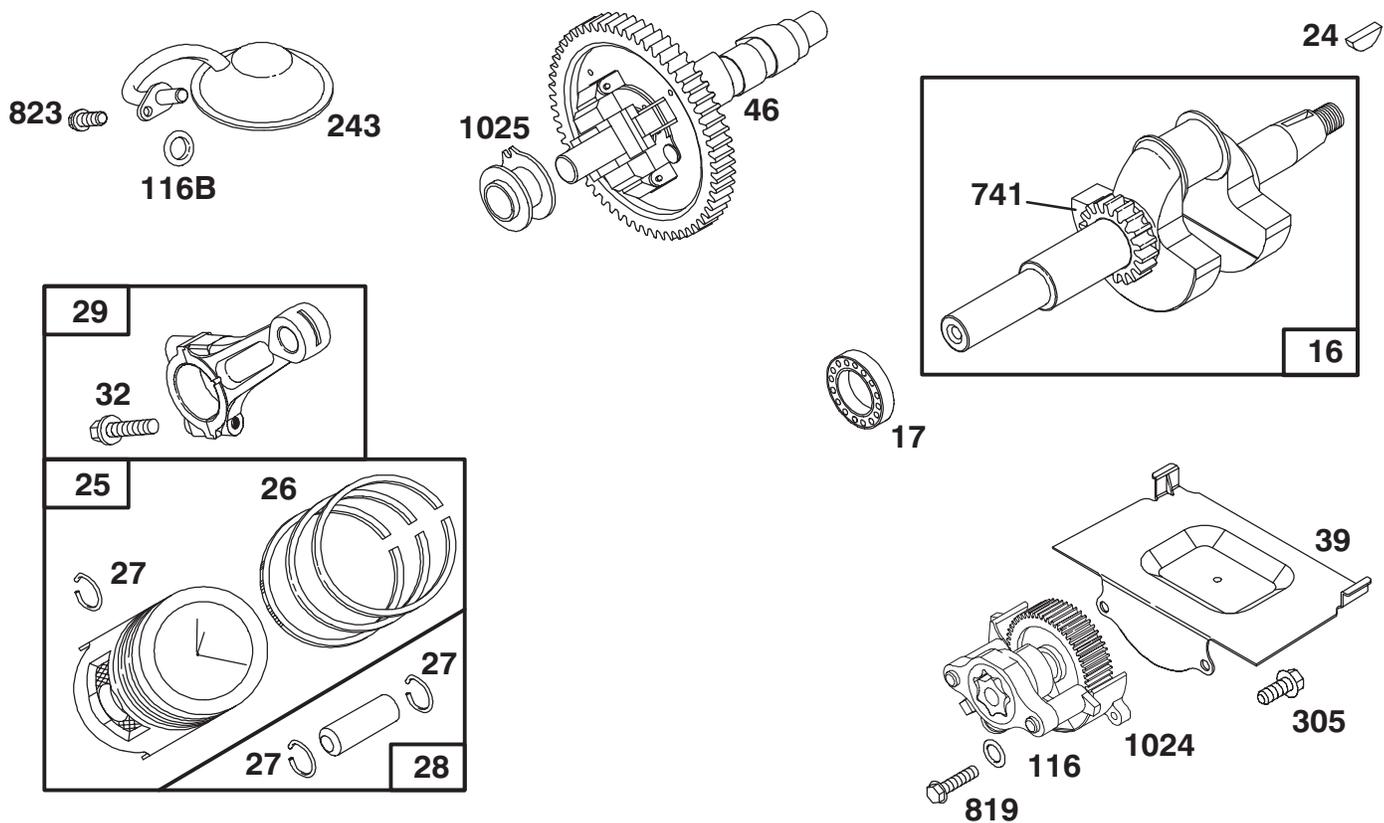
## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
5.1	807987	Head – Cylinder (Cyl. #1)	
5.2	807988	Head – Cylinder (Cyl. #2)	
*6	805193	Washer – Cylinder Head	
★†7	807986	Gasket – Cylinder Head	
13	805097	Screw – Cylinder Head	
21	491832	Plug – Oil Fill (Cyl. #1)	
33	805089	Valve – Exhaust	
34	805090	Valve – Intake	
35	805078	Spring – Valve	
40	805092	Retainer – Valve Spring	
42	805161	Retainer – Valve	
45	805354	Tappet – Valve	
50	805772	Manifold – Intake	
*51	805264	Gasket – Carburetor Mtg.	
†52	805023	Gasket – Intake Manifold	
53	805466	Screw	
54	805006	Screw	
122	805328	Spacer – Carburetor	
166	805343	Stud – Rocker Arm	
†167	805420	Washer – Valve Cover	
*171	805019	Nut – Nylock	

Ref. No.	Part No.	Description	No. Used
192	807623	Screw – Valve Adjustment (Incl. Jam Nut)	
337	491055	Plug – Spark	
524	271983	Seal – Filler Plug	
613	805158	Screw	
635	805529	Elbow – Spark Plug	
864	805083	Liner – Exhaust Port	
868	805094	Seal – Valve Guide	
871	805084	Guide – Valve	
*883	805024	Gasket – Exhaust Manifold	
†1022	805028	Gasket – Valve Cover	
1023	805100	Cover – Valve <b>Note:</b> 808032 Cover – Valve Used on Cylinder #1.	
1026	805352	Rod – Push <b>Note:</b> 805617 Rod – Push Used on Exhaust Side Only.	
1029	807557	Arm – Rocker	
1030	805342	Shaft – Rocker Arm	
1031	805341	Support – Rocker Arm	

\*Included in Gasket Set – Part No. 807989.

†Included in Valve Overhaul Kit – Part No. 807990.



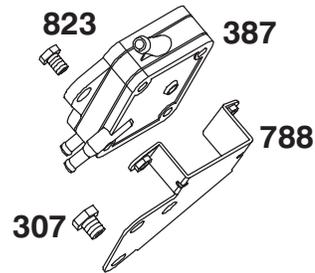
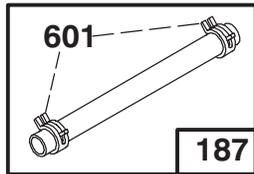
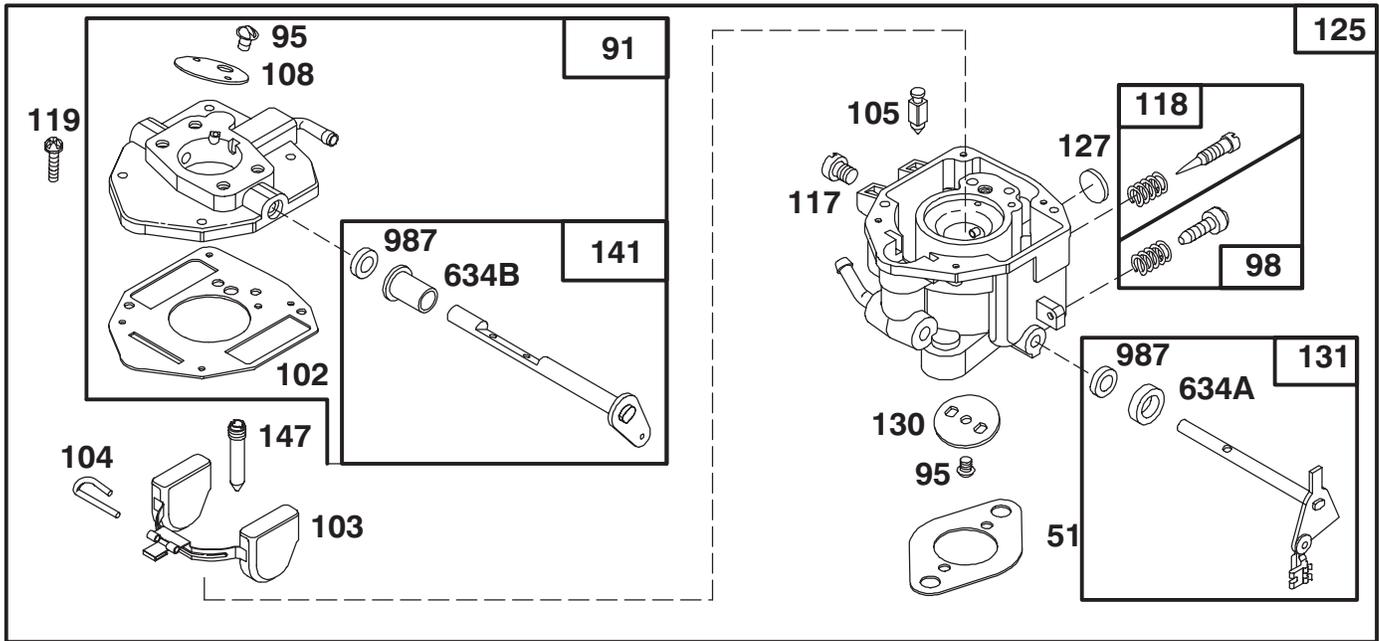
Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft <b>Note:</b> 807625 Thrust Washer <b>Note:</b> To Replace Crankshaft Timing Gear Key Order Part No. 94196	
17	805213	Bearing - Ball	
24	805016	Key - Flywheel	
25	807619	Piston Assembly (Standard)	
	807807	Piston Assembly .010 O.S.	
	807809	Piston Assembly .020 O.S.	
	807811	Piston Assembly .030 O.S.	
26	807620	Ring Set - Piston (Standard)	
	807808	Ring Set - Piston .010 O.S.	
	807810	Ring Set - Piston .020 O.S.	
	807812	Ring Set - Piston .030 O.S.	
27	805099	Lock - Piston Pin	
28	807900	Piston Pin Assembly	

Ref. No.	Part No.	Description	No. Used
29	807622	Connecting Rod Assembly <b>Note:</b> For Connecting Rod With .020" Undersize Crankpin Bore - Order Part No. 807803.	
32	805395	Screw - Connecting Rod	
39	805300	Plate - Windage	
46	807542	Gear - Cam	
*116	805058	O-Ring (Oil Pump)	
*116B	805316	O-Ring (Pick - Up Tube)	
243	807598	Screen - Oil Pump Pick-Up	
305	805406	Screw	
741	805675	Gear - Timing	
819	805057	Screw	
823	805317	Screw - Mounting	
1024	807644	Oil Pump Assembly	
1025	805313	Slider - Governor	

\*Included in Gasket Set - Part No. 807989.



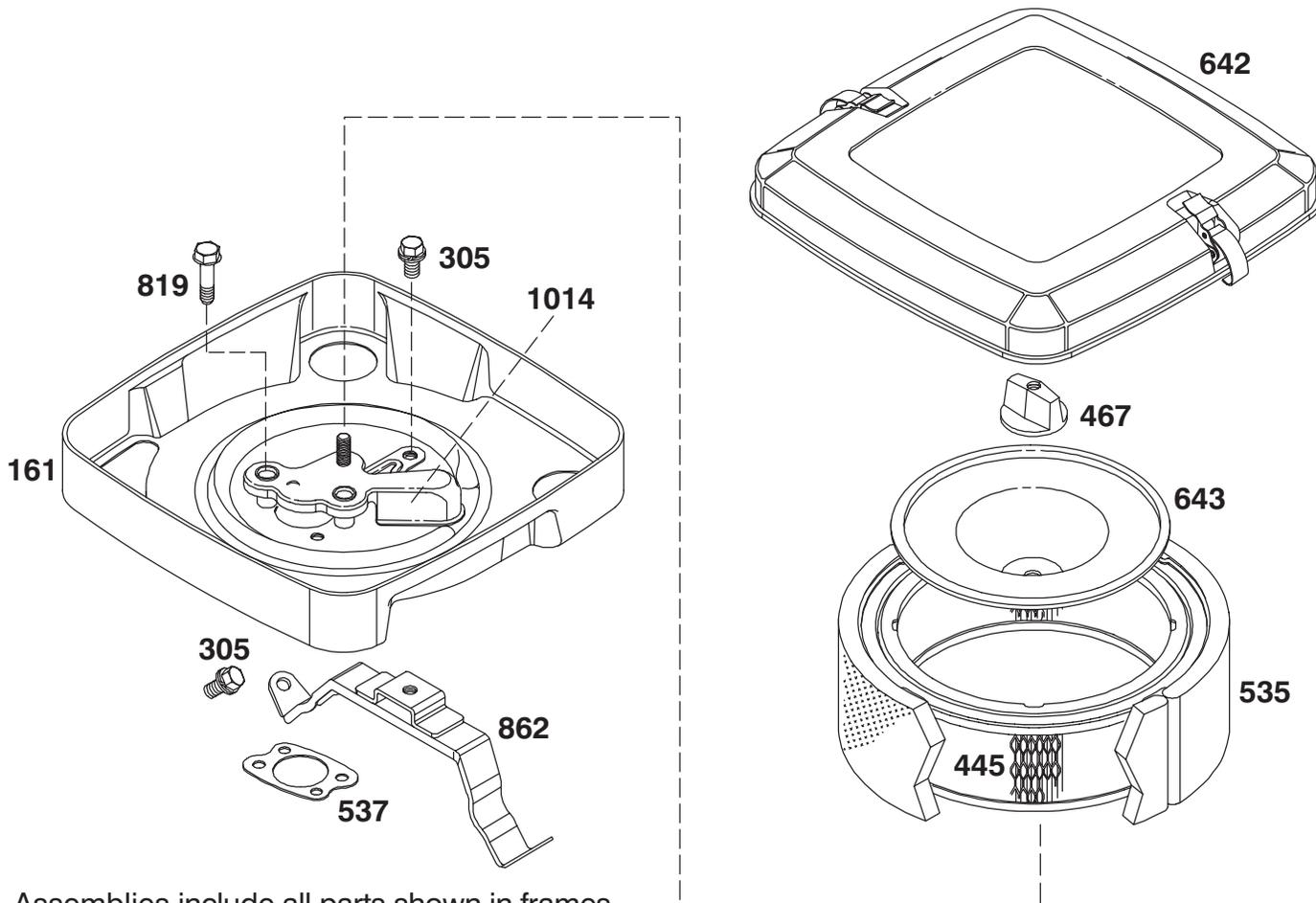
Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
*51	805700	Gasket – Carburetor Mtg.	
91	807919	Body – Upper Carburetor	
95	805538	Screw – Valve Mtg.	
98	807718	Screw – Throttle Adj.	
*102	805541	Gasket – Intake Elbow	
103	805546	Float Assembly	
*104	805545	Pin – Float Hinge	
*105	805547	Valve – Fuel Inlet	
108	805539	Valve – Choke	
*117	805548	Jet – Main <b>Note:</b> 805537 Jet – Main (High Altitude)	
*118	807719	Valve – Idle Adjusting Needle	
119	805540	Screw – Upper Body Mtg.	
125	807918	Carburetor Assembly	

Ref. No.	Part No.	Description	No. Used
*127	805559	Plug – Welch	
130	805554	Valve – Throttle	
131	807720	Shaft – Throttle	
141	807722	Shaft – Choke	
*147	805553	Jet – Slow Speed	
187	393815	Hose – Fuel (Cut to Suit)	
307	805025	Screw	
387	491922	Pump – Fuel	
601	93053	Clamp – Hose	
*634A	805557	Collar – Throttle	
*634B	805543	Collar – Choke	
788	807685	Bracket – Fuel Pump	
823	805317	Screw – Mounting	
947	807664	Solenoid	
*987	805544	Seal – Shaft	

\*Included in Carburetor Overhaul Kit – Part No. 807726.

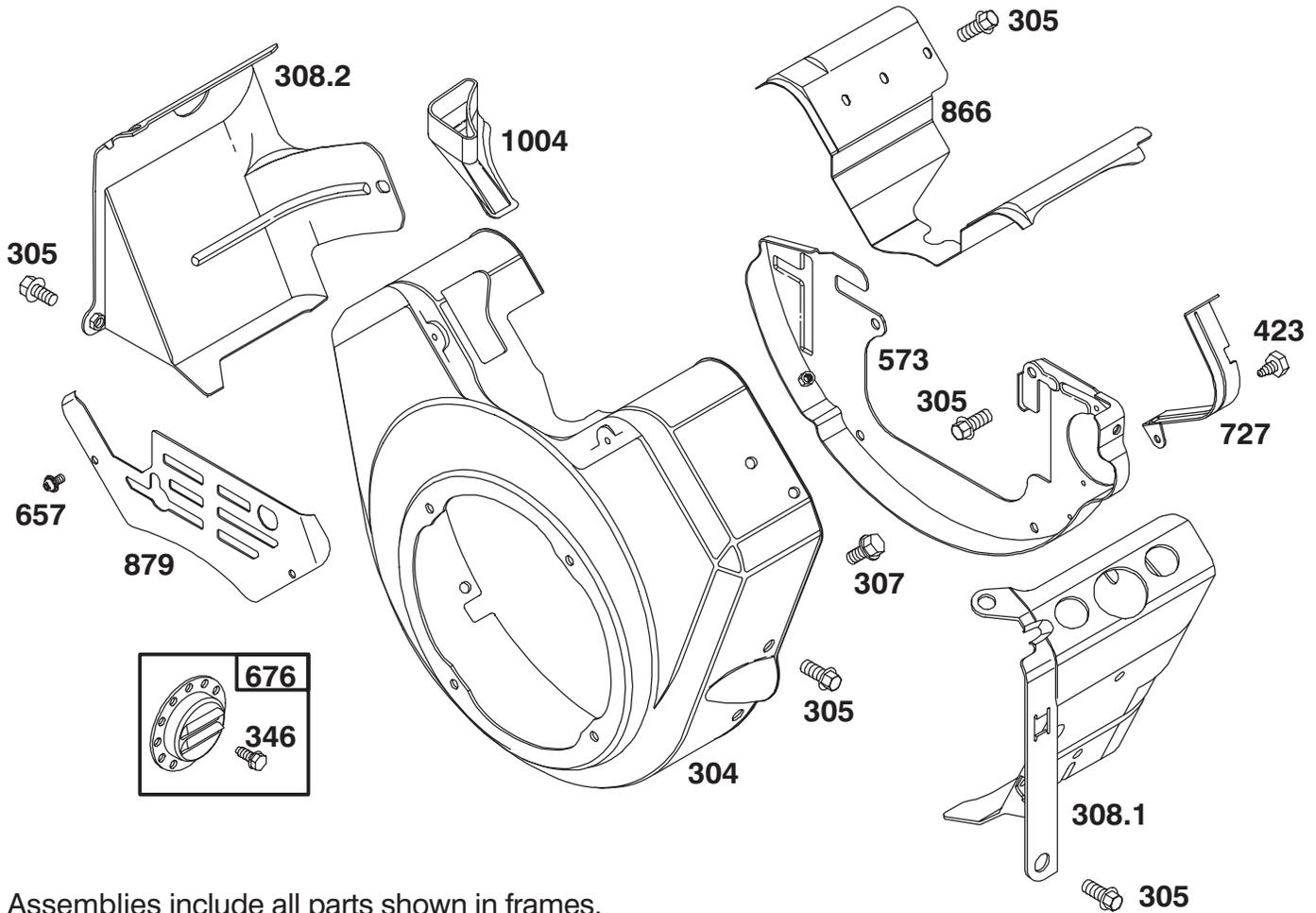


Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
161	807857	Base Assy. - Air Cleaner	
305	805406	Screw	
445	394018	Cartridge - Air Cleaner	
467	491875	Knob - Air Cleaner	
535	271271	Element - Foam	
537	805655	Gasket - Air Cleaner	

Ref. No.	Part No.	Description	No. Used
642	807862	Cover Assy. - Air Cleaner	
643	805631	Plate - Air Cleaner	
819	805057	Screw	
862	807796	Bracket - Air Cleaner	
1014	807797	Carburetor Inlet Shield Assy.	

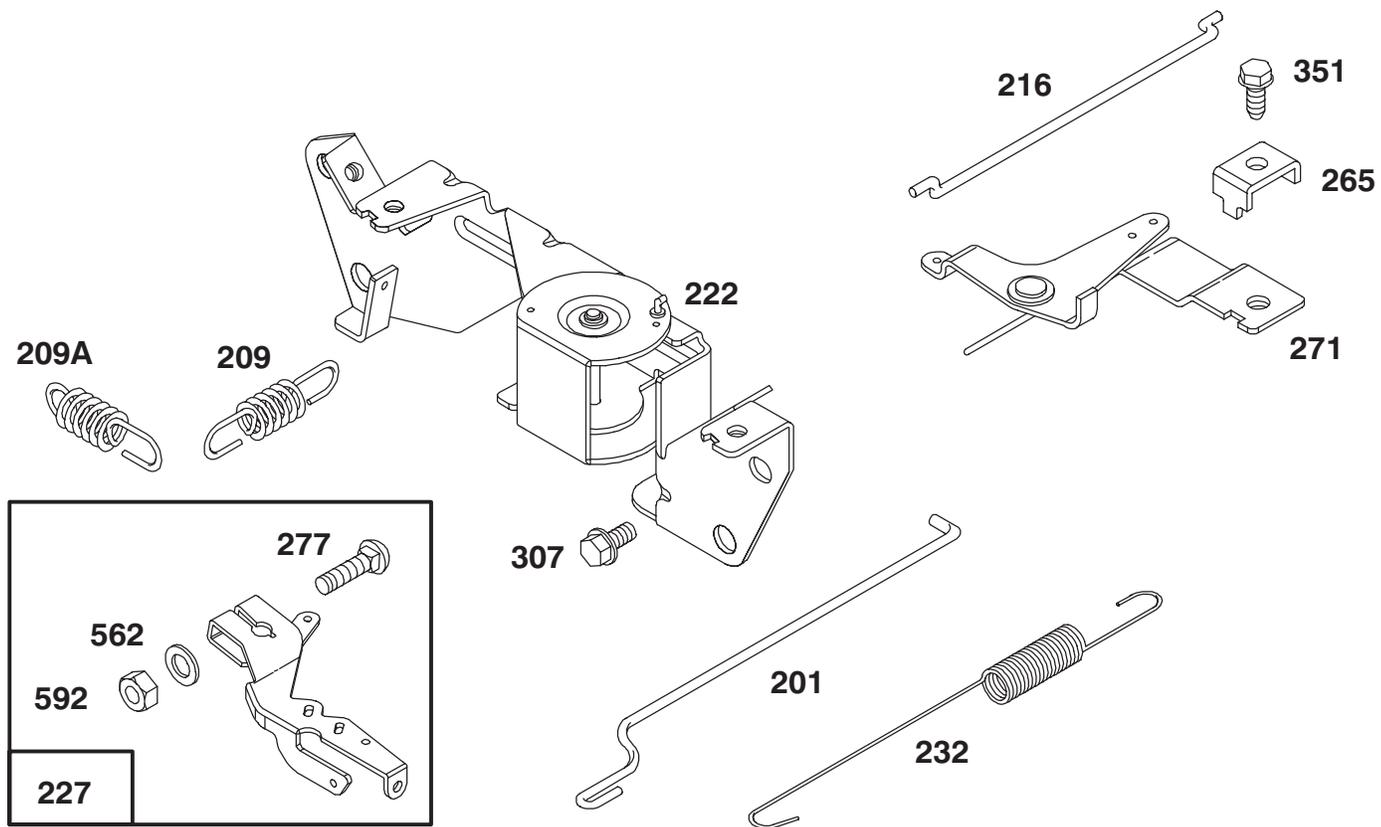


Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
304	807898	Housing – Blower	
305	805406	Screw	
307	805025	Screw	
308.1	807868	Cover – Air Guide (Cyl. #1)	
308.2	807869	Cover – Air Guide (Cyl. #2)	
346	93705	Screw	
423	805260	Screw	

Ref. No.	Part No.	Description	No. Used
573	807663	Back Plate Assembly	
657	805009	Screw	
676	397630	Deflector—Exhaust	
727	805505	Shield – Starter	
866	805738	Valley Cover – Air Guide	
879	805636	Cover – Carburetor	
1004	805632	Tube – Air Inlet	

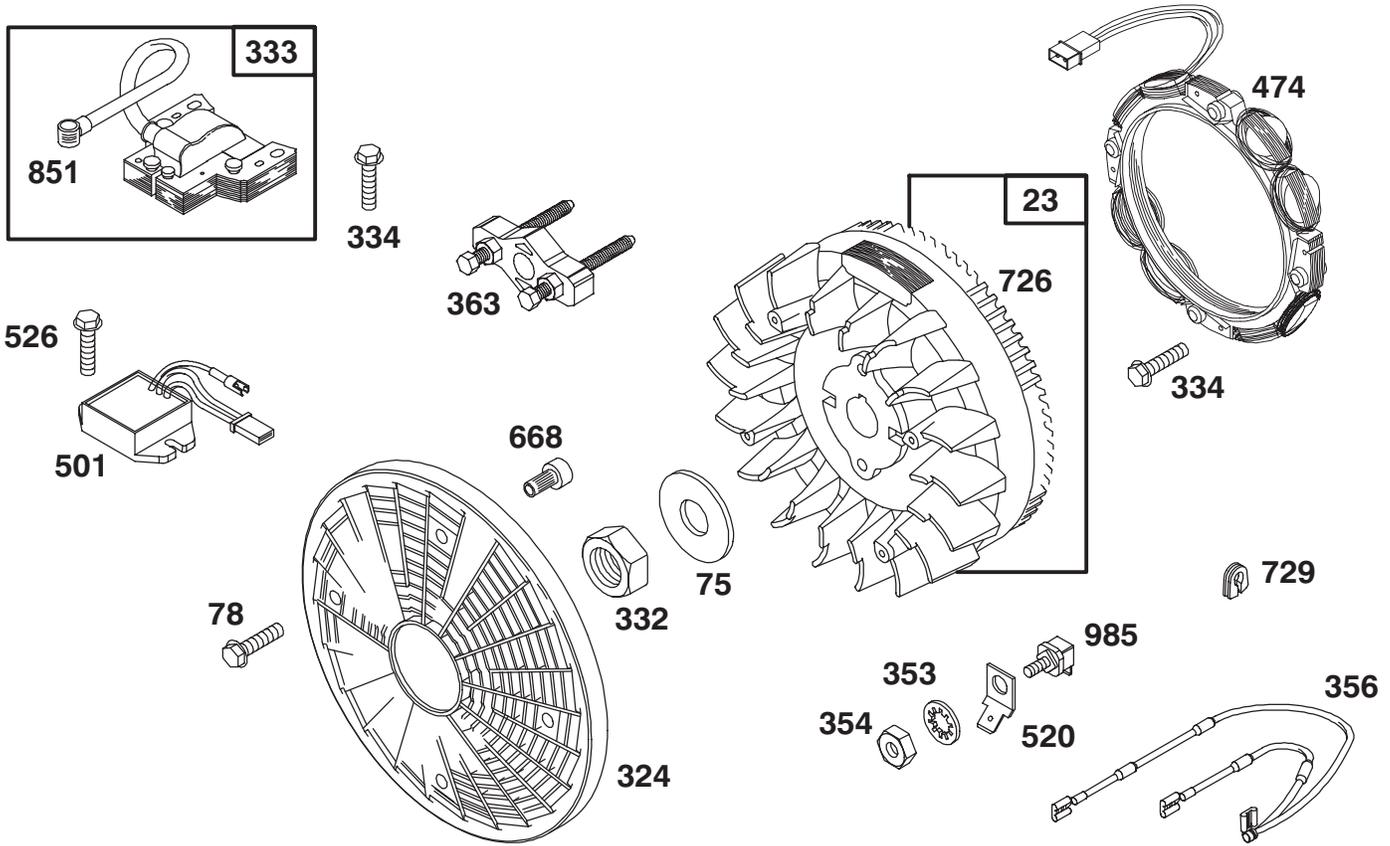


Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
201	805480	Link – Governor	
209	805464	Spring – Governor	
209A	805453	Spring – Governed Idle <b>Note:</b> 805450 Spring – Governed Idle (Secondary)	
216	805439	Link – Choke	
222	807610	Bracket – Governor Control	
227	807528	Lever Assembly – Governor	

Ref. No.	Part No.	Description	No. Used
232	805465	Spring – Governor Link	
265	221535	Clamp – Casing	
271	807609	Bracket – Choke Control	
277	805018	Washer	
307	805025	Screw	
351	805169	Screw – Hex. Head	
562	805381	Bolt	
592	805383	Nut – Hex.	

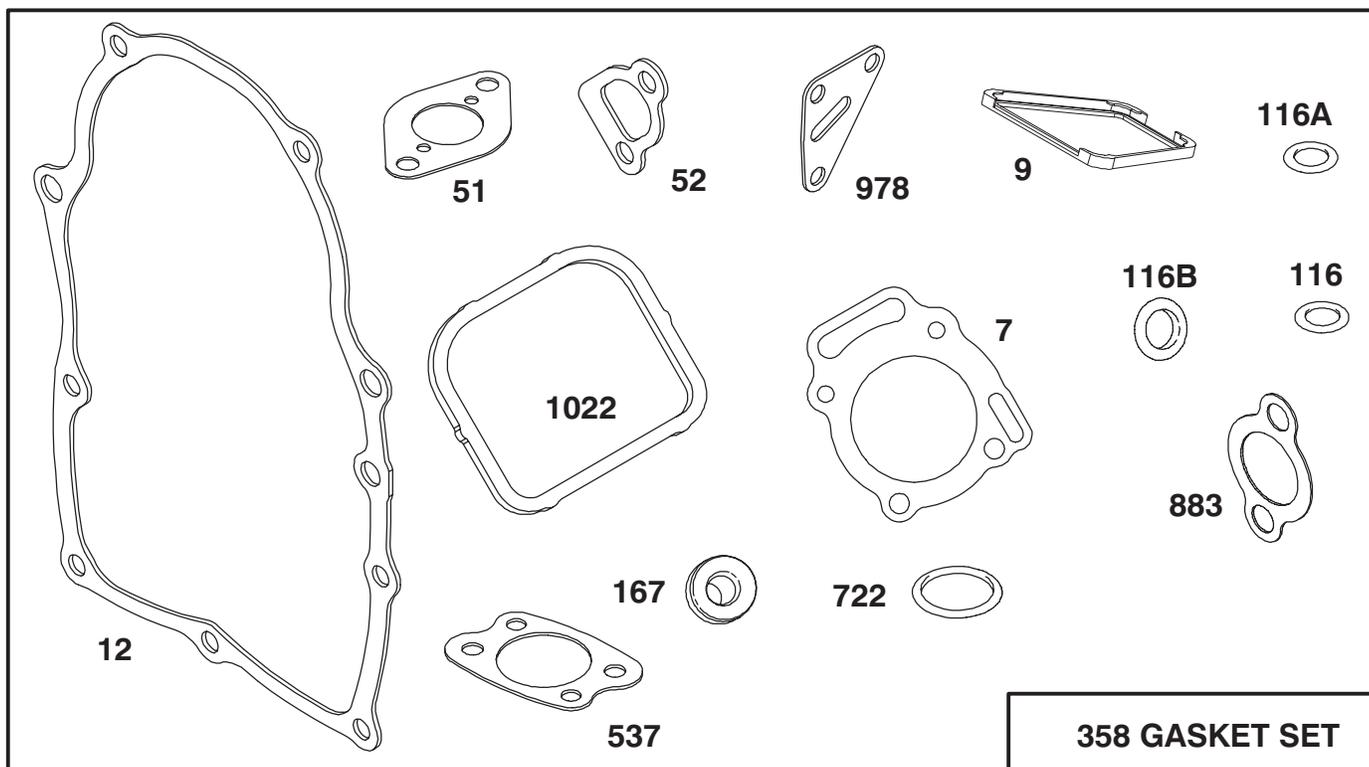


Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
23	807531	Flywheel – Magneto	
75	805007	Washer – Spring	
78	805447	Screw	
324	280829	Screen – Rotating	
332	805021	Nut – Hex	
333	492341	Armature – Magneto	
334	805407	Screw – Mounting	
353	92791	Lockwasher (Internal Tooth)	
354	90576	Nut – Hex.	
356	493792	Wire Assy.	

Ref. No.	Part No.	Description	No. Used
363	19203	Puller – Flywheel	
474	393295	Stator – Alternator	
501	394890	Regulator – Alternator	
520	93722	Terminal – Ground	
526	805448	Screw – Mtg.	
668	805402	Spacer	
726	807805	Gear – Flywheel Ring	
729	805641	Grommet	
851	221798	Terminal – Ignition Cable	
985	398525	Insulator	



Assemblies include all parts shown in frames.

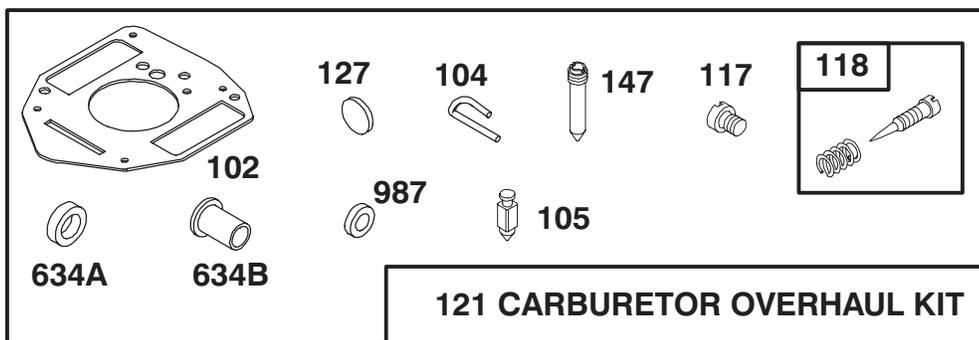
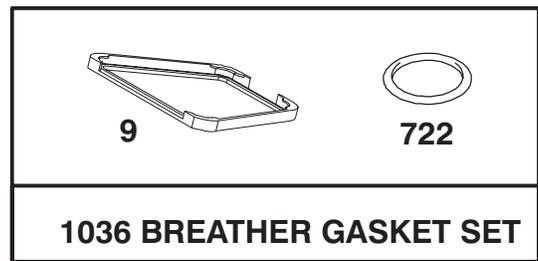
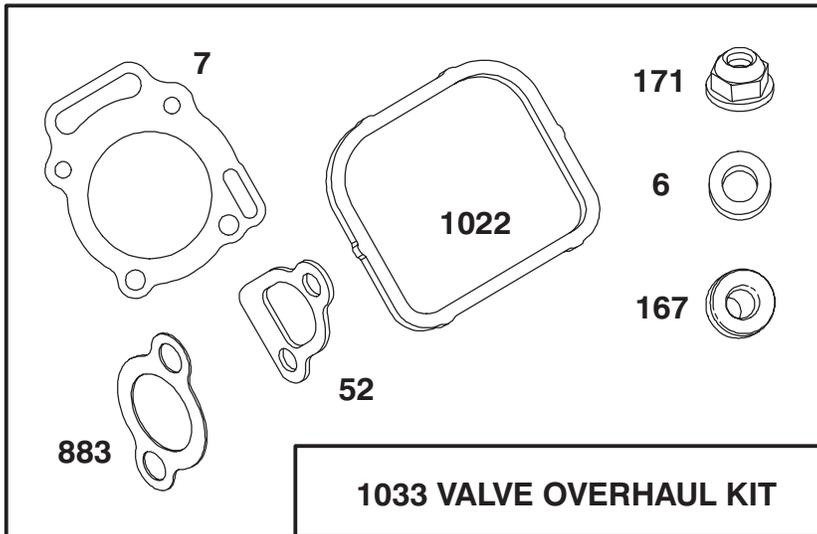
## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
†7	807986	Gasket – Cylinder Head	
*9	805379	Gasket – Breather	
*12	805112	Gasket – Crankcase Cover	
*51	805264	Gasket – Carburetor Mtg.	
†*52	805023	Gasket – Intake Manifold	
*116	805058	O–Ring (Oil Pump)	
*116A	805198	O–Ring (Crankcase Cover)	
*116B	805316	O–Ring (Pick – Up Tube)	

Ref. No.	Part No.	Description	No. Used
*†167	805420	Washer – Valve Cover	
358	807989	Gasket Set	
537	805655	Gasket – Air Cleaner	
*722	805483	Seal – Breather Screw	
†*883	805024	Gasket – Exhaust Manifold	
*978	805250	Gasket – Oil Filter Adapter	
*†1022	805028	Gasket – Valve Cover	

\*Included in Gasket Set – Part No. 807989.

†Included in Valve Overhaul Kit – Part No 807990.



Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

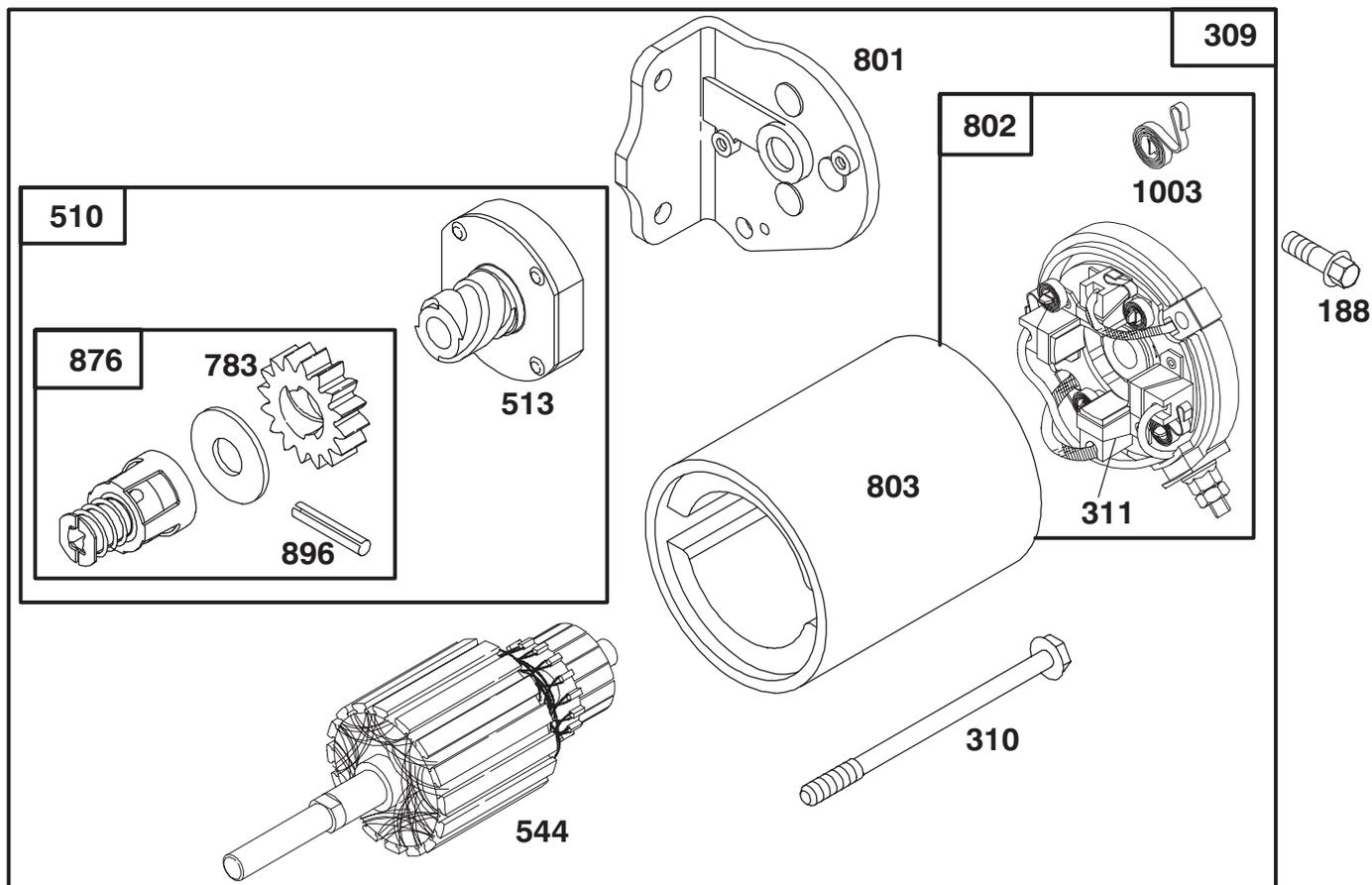
Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer – Cylinder Head	
‡7	807986	Gasket – Cylinder Head	
*9	805379	Gasket – Breather	
‡52	805023	Gasket – Carburetor Mtg.	
†102	805541	Gasket – Intake Elbow	
†104	805545	Pin – Float Hinge	
†105	805547	Valve – Fuel Inlet	
†117	805548	Jet – Main	
		<b>Note:</b> 805537 Jet – Main (High Altitude)	
†118	807719	Valve – Idle Adj. Needle	
121	807726	Carburetor Overhaul Kit	

Ref. No.	Part No.	Description	No. Used
†127	805559	Plug – Welch	
†147	805553	Jet – Slow Speed	
‡167	805420	Washer – Valve Cover	
‡171	805019	Nut – Nylock	
†634A	805557	Collar – Throttle	
†634B	805543	Collar – Choke	
722	805483	Seal – Breather Screw	
‡883	805024	Gasket – Exhaust Manifold	
†987	805544	Seal – Shaft	
*‡1022	805028	Gasket – Valve Cover	
1033	807990	Overhaul Kit – Valve	
1036	807688	Gasket Set – Breather	

\*Included in Gasket Set – Part No. 807989.

†Included in Carburetor Overhaul Kit – Part No. 807726.

‡Included in Valve Overhaul Kit – Part No. 807990.



Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
188	805247	Screw – Hex. Head	
309	399169	Motor – Starting	
310	94169	Bolt	
311	490311	Brush Assembly	
510	495878	Drive Assembly	
513	398003	Clutch Assembly	
544	490309	Armature Assembly	

Ref. No.	Part No.	Description	No. Used
783	280104	Gear	
801	394856	Cap Assy. – Drive	
802	490310	Cap Assy. – Commutator	
803	398892	Housing Assembly	
876	495877	Retainer Kit	
896	94288	Roll Pin	
1003	490316	Brush Spring Set	

# 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	28-1400	Battery	20	11	1
3-0348	Bushing - Sleeve	4	14	6	28-3680	Tire	8	2	2
3-0348	Bushing - Sleeve	6	22	6	28-3680	Tire	29	25	1
3-1506	Bushing	1	24	2	28-4210	Solenoid - Starter	20	5	1
3-1506	Bushing - Flange	3	16	4	28-7890	Module - Interlock	21	26	1
3-1506	Bushing - Flange	4	30	4	28-8080	Boot Terminal	20	13	1
3-1506	Bushing - Flange	6	38	4	29-9080	Handle	35	3	1
3-4808	Nut - Wing	36	1	1	29-9090	Hose - Handle	35	4	1
3-6657	Clip - Skid	36	4	2	36-4310	Brush	35	5	1
3-6685	Spring - Compression	19	17	1	36-7250	Basket - Grass	2	*	3
5-0946	Key - Square	27	12	1	38-0410	Nut - Hex.	14	53	1
5-0946	Key - Square	28	16	1	38-0410	Nut - Hex.	16	59	1
5-1226	Washer - Shim	3	10	2	42-2680	Race R. Detent	13	46	1
5-1226	Washer - Shim	4	16	2	43-2830	Nut - Hex	26	33	1
5-1226	Washer - Shim	6	24	2	43-5220	Ring - Retaining	7	10	1
5-3934	Bolt - Fork, Castor	29	44	1	43-5230	Shaft & Clevis	7	11	1
10-6060	Pin - Lift Cylinder	3	7	1	43-5930	Washer - Lock	26	25	2
10-6060	Pin - Pivot	4	19	1	43-8600	Spring - Compression	19	21	1
10-6090	Pin - Pivot	4	33	1	43-8610	Seat - Ball	19	20	1
10-6090	Pin - Pivot	3	37	1	43-8620	Guide - Switch	19	23	1
10-6090	Pin - Pivot	6	41	1	43-8860	Plunger - Switch	19	22	1
10-6110	Pin - Hinge	3	3	1	43-8870	Boot - Switch	19	26	1
10-6110	Pin - Pivot	4	24	1	43-9071	Seat Switch Assembly	19	*	1
10-6730	Stud - Drive	29	18	4	44-0870	Shaft - Cam	10	5	1
10-6821	Brake Drum Assembly	8	*	2	44-2230	Coupling - Rubber	27	16	1
10-6850	Drum - Brake	8	6	2	44-5560	Head - Oil Filter	20	27	1
10-6870	Hub - Wheel	8	5	2	46-8560	Screw - Self Taping	20	20	3
10-7070	Key - Square	27	20	1	47-2890	Bushing - Sleeve	17	20	2
10-7820	Pivot Hinge Assembly	3	12	1	47-5320	Lever - Control	10	40	1
10-7820	Pivot Hinge Assembly	4	25	1	47-6990	Nut - Steering Wheel	17	10	1
10-7820	Pivot Hinge Assembly	6	33	1	48-7610	Screw - Cap Hex. Hd.	24	9	1
10-7850	Latch - Parking Brake	1	23	1	48-7620	Screw - Cap Hex. Hd.	26	36	1
10-7880	Hinge - Upper	1	8	1	49-5430	Rod - Control	10	1	1
10-7890	Hinge - Lower	1	22	1	49-5430	Rod - Control	1	4	1
10-8100	Strap - Brake Shaft	1	31	2	49-5880	Shaft - Seat Support	19	27	1
10-8110	Washer - Thrust	3	9	6	49-6110	Guard - Transfer Rod	1	6	1
10-8110	Washer - Thrust	4	15	6	49-6120	Pad - Footrest	1	13	1
10-8110	Washer - Thrust	6	23	6	49-6200	Lever - Cutting Control	2	42	1
10-8140	Spring - Torsion	1	7	1	49-6220	Bracket - Control Arm	10	9	1
11-0160	Roller Shaft Screw Assy.	3	14	2	49-6250	Bracket - Traction Pivot	10	35	1
11-0160	Roller Shaft Screw Assy.	4	28	2	49-6260	Assy. - Pivot, Traction	10	21	1
11-0160	Roller Shaft Screw Assy.	6	36	2	49-6290	Shaft - Traction Pivot	10	37	1
12-3270	Screw - Hex. Washer Hd.	26	17	4	49-6440	Pedal - Forward	10	42	1
12-3270	Screw - Hex. Washer Hd.	10	38	1	51-0350	Pin - Seat Spring	19	16	1
12-3270	Screw - Thread Forming	12	50	1	51-0780	Slider - Seat	19	31	1
12-9140	Decal	35	1	1	51-0790	Adjuster - Seat	19	6	1
18-6320	Washer - Steering	29	6	4	52-1990	Piston	5	3	1
20-0070	Tube	36	5	1	52-2720	Roller Assembly	3	20	1
20-0080	Rod	36	7	1	52-2720	Roller Assembly	4	35	1
20-0110	Bracket - Alignment	36	2	1	52-2720	Roller Assembly	6	43	1
21-8470	Shaft - Roller	3	21	1	52-5860	Collar - Spool	16	51	1
21-8470	Shaft - Roller	4	36	1	52-5880	Ball - Steel	13	47	12
21-8470	Shaft - Roller	6	44	1	52-5900	Screw - Fillister Hd.	15	37	4
22-6090	Washer - Thrust	35	4	1	52-9230	Ring - Retaining	18	2	1
23-8840	Puller - Bolt	35	3	1	52-9250	Needle Bearing Kit	18	*	1
23-8850	Tube - Support	35	5	1	52-9260	Screw - Set	18	26	1
23-8860	Pin - Bearing Rplcmnt.	35	6	1	52-9270	Seat - Ball Check	18	24	1
23-8880	Driver - Bearing	35	1	2	52-9280	Ball - Check	18	22	1
26-3790	Nut - Lock	8	4	2	52-9290	Retainer - Ball Check	18	21	1
27-1960	Hub - Engine	27	21	1	56-7720	Bolt - Battery	20	17	2
27-1970	Hub - Pump	27	22	1	56-7970	Clamp Half - Tube	2	45	2
27-2270	Rod - Brake Adjusting	1	29	2	56-7971	Clamp - Tube	30	55	2
27-2320	Bearing - Flange	10	7	2	56-7980	Sleeve - Protective	33	21	3
27-2320	Bearing - Flange	2	33	2	56-7981	Sleeve - Protective	33	22	1
27-2380	Spacer	20	32	2	56-7986	Sleeve - Protective	33	19	1
27-2540	Spacer - Hub	6	31	1	56-7987	Sleeve - Protective	33	20	1
27-2550	Pin - Pivot	6	27	1	57-6140	Clamp Half - Tube	8	20	2
27-6600	Spacer - Coupling	27	15	4	57-6220	Link	10	17	5

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
57-7650	Spring - Torsion	4 11 1	74-3570	Filter - Hydraulic Oil	20 29 1
57-7650	Spring - Torsion	6 18 1	74-3810	Load Plate Assembly	34 9 1
57-7650	Spring - Torsion	3 32 1	74-3830	Hose - Hydraulic	33 12 1
58-6520	Decal - Grease	29 15 3	74-3830	Hose - Hydraulic	11 28 1
59-6730	Race - Bearing	18 8 2	74-9100	Pad - Forward Pedal	10 25 1
59-6740	Bearing - Needle Thrust	18 9 1	74-9110	Pad - Reverse Pedal	10 23 1
59-6830	Centering Pin Kit	18 20 1	75-0540	Tether - Cap	23 9 1
61-3310	Plate - Logo	20 21 1	76-0410	Spring	2 54 1
62-2420	Bar - Lift, Center	6 8 1	76-0800	Seal Kit	31 * 1
62-2440	Lift Arm Assembly	4 8 1	76-0800	Seal Kit	9 * 1
62-2460	Lift Arm Assembly L.H.	3 29 1	76-0810	Housing Assembly	9 * 1
63-3810	Hose - Hydraulic	33 1 1	76-0840	Manifold	9 22 1
63-3820	Hose - Hydraulic	33 2 1	76-0850	Bearing - Thrust	31 11 1
63-3830	Hose - Hydraulic	33 13 1	76-0850	Bearing - Thrust	9 12 1
63-3840	Hose - Hydraulic	33 5 1	76-0860	Shaft - Coupling	9 11 1
63-3840	Hose - Hydraulic	11 36 1	76-0870	Plate - Wear	9 18 1
63-3850	Hose - Hydraulic	11 31 1	76-0880	Commutator Assembly	31 * 1
63-3850	Hose - Hydraulic	3 39 1	76-0880	Commutator Assembly	9 * 1
63-3870	Hose - Hydraulic	33 16 1	76-0940	End Cover Assembly	9 24 1
63-4020	Tube - Hydraulic	33 17 1	76-1850	Clevis	5 13 1
63-4020	Tube - Hydraulic	11 40 1	76-1860	Shaft	5 6 1
63-4030	Tube - Hydraulic	33 18 1	77-0480	Screw - Traction Stop	10 34 1
63-4030	Tube - Hydraulic	11 41 1	80-9330	Audio Alarm Assembly	21 25 1
63-4040	Hydraulic Tube Assembly	33 4 1	83-0010	Engine Assembly	26 15 1
63-4040	Tube - Hydraulic	11 35 1	83-0020	Ignition Switch Assembly	21 14 1
63-4050	Fitting - Tee	11 42 2	83-0030	Control - Throttle	21 12 1
63-8360	Key - Ignition	21 17 2	83-0040	Control - Choke	21 13 1
63-8410	Washer - Flat	24 4 4	83-0060	Lift - Pivot	1 26 1
63-8410	Washer - Flat	23 36 3	83-0080	Spring - Torsion	1 25 1
63-8750	Pin - Pivot	6 9 1	83-0140	Pedal - Mow	2 38 1
63-8750	Pin - Pivot	4 10 1	83-0160	Shaft - Brake	2 48 1
63-8750	Pin - Pivot	3 33 1	83-0190	Cover - R.H.	8 18 1
63-9920	Decal - EEC	20 43 1	83-0200	Cover - L.H.	1 17 1
65-4860	Head	5 9 1	83-0540	Pedal - Traction	10 24 1
65-6390	Washer - Thrust	17 13 1	83-0580	Rod - Traction Control	10 32 1
65-8320	Bar - Gauge	2 * 1	83-0630	Arm - Traction Pivot	10 29 1
66-2950	Gauge - Hourmeter	21 5 1	83-0640	Plate - Footrest	1 12 1
67-1300	Decal - TORO	20 39 1	83-0650	Arm - Steering	17 3 1
67-8113	Cap - End	18 18 1	83-0700	Handle - Lockup	17 18 1
68-5100	Rod - Seat Prop	19 10 1	83-0730	Spacer - Lockup	17 15 1
68-5130	Steering Wheel Assembly	17 11 1	83-0740	Disc - Friction	17 14 2
68-5140	Cap - Steering Wheel	17 9 1	83-0750	Screw - Cap Hex. Hd. L.H.	17 6 1
68-5260	Fitting - Manifold Tee	11 37 1	83-0760	Plate - Lockup	17 16 1
68-5310	Clip - Seat Rod	19 12 1	83-0780	Support - Steering Valve	17 4 1
68-5380	Lift Arm Assembly	6 21 1	83-0810	Cover - Steering Valve	17 25 1
68-5560	Pin - Cylinder Pivot	6 26 1	83-0820	Gauge - Ammeter	21 4 1
68-5880	Hose - Hydraulic	20 30 1	83-0830	Panel - Control Upper	20 33 1
68-6150	Breather	23 44 1	83-0840	Fender - L.H.	20 19 1
69-9760	Plate - Cover	2 50 1	83-0870	Fitting - Hydraulic Straight	23 32 3
70-2770	Head	7 8 1	83-0910	Hose - Hydraulic	23 30 2
70-2780	Piston	7 4 1	83-0910	Hose - Pump	27 11 2
70-7130	Tube Assy.	11 3 1	83-1030	Mount - Engine	26 4 3
70-7150	Hose - Hydraulic	12 48 1	83-1040	Washer - Mount	26 2 3
70-8130	Barrel	7 1 1	83-1050	Spacer - Mount	26 3 2
70-8250	Drive	18 16 1	83-1060	Adapter - Pump	26 10 1
70-8610	Hose - Hydraulic	12 51 1	83-1080	Pipe - Exhaust	26 7 1
70-9840	Shoe - Brake	8 8 4	83-1100	Harness - Wire (Main)	22 1 1
70-9850	Clip - Retaining	8 23 2	83-1100	Harness - Wire (Main)	21 8 1
70-9860	Cam - Brake	8 27 2	83-1110	Harness - Wire (Engine)	22 2 1
70-9870	Plate - Backing	8 10 2	83-1150	Wire - Engine Ground	22 5 1
70-9880	Spring - Return	8 7 4	83-1160	Wire - Solenoid-Starter	22 3 1
71-0990	Orifice	11 43 1	83-1170	Hose - Hydraulic	11 22 1
71-1500	Brake Assembly	8 * 2	83-1170	Hose - Hydraulic	27 28 1
71-1510	Arm - Brake	8 24 2	83-1180	Hose - Hydraulic	11 6 1
72-3850	Seal - Filter	20 28 1	83-1180	Hose - Hydraulic	27 8 1
72-4320	Switch - Ball	19 18 1	83-1190	Hose - Hydraulic	27 1 2
72-4790	Hold-Down - Battery	20 16 1	83-1190	Hose - Hydraulic	11 10 2
74-0720	Tube - Manual	19 3 1	83-1220	Plate - Clamp	8 21 1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
83-1270	Seat Support Assembly	19	7	1	83-2560	Decal - Warning (Japanese)	26	34	1
83-1350	Hose - Hydraulic	27	7	1	83-2570	Plate - Control (Japanese)	21	2	1
83-1350	Hose - Hydraulic	17	26	3	83-2580	Cylinder - Lift	3	6	1
83-1350	Hose - Hydraulic	11	45	1	83-2580	Hydraulic Cylinder Assy.	4	22	1
83-1350	Hose - Hydraulic	30	52	1	83-2590	Bolt - Shoulder	2	47	1
83-1360	Hose - Hydraulic	17	27	1	83-7230	Hydraulic Cylinder Assembly	6	10	1
83-1360	Hose - Hydraulic	30	51	1	84-2000	Bracket - Brake	8	12	2
83-1390	Fitting - Fuel Shut-Off	24	15	1	84-2203	Control Valve Assembly	16	*	1
83-1400	Shield - Muffler	26	16	1	84-2203	Control Valve Assembly	11	16	1
83-1420	Column - Steering	17	23	1	84-3180	Decal - Oil (Japanese)	19	33	1
83-1430	Hose - Hydraulic	20	23	1	84-5300	Nut - Jam	30	48	1
83-1430	Hose - Hydraulic	23	34	1	84-6560	Decal - Danger (Japanese)	4	3	1
83-1450	Sensor - Oil Level	23	3	1	84-6560	Decal - Danger (Japanese)	6	3	1
83-1460	Solenoid Valve Assembly	23	28	1	84-6560	Decal - Danger (Japanese)	3	13	1
83-1470	Washer - Neoprene	23	18	4	84-9240	Decal - Service (Spanish)	19	34	1
83-1520	Screen - Filler	23	6	1	84-9250	Decal - Service (French)	19	34	1
83-1530	Bracket - Alarm	21	23	1	84-9260	Decal - Service (German)	19	34	1
83-1550	Spacer - Tank (Short)	23	17	2	84-9270	Decal - Service (Swedish)	19	34	1
83-1560	Spacer - Tank (Long)	23	23	2	84-9280	Decal - Service (Italian)	19	34	1
83-1630	Bracket - Muffler Support	26	24	1	85-6540	Stud - Drive	8	28	8
83-1640	Rod End Assembly	29	16	1	85-8120	Plate - Engine Mount	26	28	1
83-1660	Switch Assembly	21	6	1	85-8940	Flange - Bearing, Lube	29	36	1
83-1670	Fitting - Special	11	27	1	85-8950	Flange - Bearing	29	38	1
83-1680	Hose - Hydraulic	6	13	1	86-5360	Repair Kit	7	*	1
83-1680	Hose - Hydraulic	11	30	1	86-5390	Seal Kit	5	*	1
83-1690	Hose - Hydraulic	11	21	1	86-9820	Frame - Pull Rear	6	1	1
83-1690	Hose - Hydraulic	3	40	1	88-8350	Tab - Bearing	29	30	1
83-1700	Bushing - Flange	8	33	2	88-9630	Lift Pivot Bracket R.H.	2	40	1
83-1700	Bushing - Flange	17	35	1	88-9640	Lift Pivot Bracket L.H.	1	28	1
83-1840	Cover - R.H.	19	32	1	88-9660	Shaft - Cutting Control	2	36	1
83-1860	Centering Spring Kit	18	12	1	88-9700	Hose - Hydraulic	6	15	1
83-1870	Gerotor	18	17	1	88-9700	Hose - Hydraulic	11	20	1
83-1880	Control Parts Assembly	18	*	1	89-9760	Cover - Plate	29	2	1
83-1890	Switch - Ball	14	54	1	92-0585	Pull Arm Assembly R.H.	3	19	1
83-1890	Switch - Ball	16	60	1	92-0585	Pull Arm Assembly R.H.	4	34	1
83-1940	Guard - Pump	27	30	1	92-0585	Pull Arm Assembly R.H.	6	42	1
83-2000	Spool - Valve	23	42	1	92-0586	Pull Arm Assembly L.H.	3	17	1
83-2010	Coil - Valve	23	43	1	92-0586	Pull Arm Assembly L.H.	4	31	1
83-2030	Plate - Filler	21	3	1	92-0586	Pull Arm Assembly L.H.	6	39	1
83-2040	Hose - Fuel	24	14	1	92-1180	Seat Assembly	19	5	1
83-2070	Hose - Valve	23	14	1	92-2545	Seals - Spool	14	*	1
83-2080	Hose - Valve-Tank	23	29	1	92-2545	Seals - Spool	16	*	1
83-2090	Hose - Overflow	23	15	1	92-2546	Wiper - Seal	13	25	4
83-2100	Tank - Auxiliary Hydraulic	23	26	1	92-2546	Wiper - Seal	16	64	5
83-2200	Nut - Special	24	8	1	92-2547	Plate - Seal Retainer	15	18	5
83-2220	Deflector - Exhaust	26	20	1	92-2547	Plate - Seal Retainer	13	24	4
83-2230	Screw - Cap Hex. Hd.	26	22	4	92-2548	Seal - Spool, Single	14	*	1
83-2240	Arrestor - Spark	26	*	1	92-2548	Seal - Spool, Single	16	*	1
83-2250	Guage - Sight	23	25	1	92-2549	Seals - Spool	16	*	1
83-2280	Timer - Relay	21	27	1	92-3058	Spring - Centering	13	41	1
83-2310	Shield	26	35	1	92-4063	Plug - Filler Cap	23	7	1
83-2330	Hydraulic Cylinder Assy.	30	53	1	92-5524	Decal - Noise	20	42	1
83-2340	Cap - Threaded	32	2	2	92-6533	Kit - Cushion	19	35	1
83-2350	Cap - Head, Thread	32	5	2	92-6534	Shell	19	36	1
83-2360	Assembly - Rod	32	9	1	92-7189	Tank - Fuel	24	2	1
83-2370	Assembly - Barrel	32	12	1	92-8020	Adapter - Breather	23	21	1
83-2380	Kit - Seal Repair	32	*	1	92-8690	Steering - Valve Assembly	17	24	1
83-2390	Pad - Tank	23	2	1	92-8691	Bushing - Seal Gland	18	3	1
83-2400	Spacer - Tank	23	1	2	92-8695	Seal Kit	18	*	1
83-2420	Wire - Solenoid-Battery	22	4	1	92-8696	Screw - Torx Hd.	18	19	7
83-2450	Hose - Hydraulic	11	1	1	92-8697	Plate - Wear	18	15	1
83-2450	Hose - Hydraulic (Top)	8	34	1	92-8795	Body Assembly	34	10	1
83-2480	Decal - Parking Brake	1	9	1	92-8796	Pin - Dowel	34	14	2
83-2490	Decal - Service (Japanese)	19	34	1	92-8863	Repair Kit	34	*	1
83-2510	Decal - Steering Arm	17	32	1	92-8966	Reservoir - Hydraulic	23	5	1
83-2520	Decal - Warning (Japanese)	17	5	1	92-9152	Hub W.A. - Wheel	29	17	1
83-2530	Decal - Mow/Lift (Japanese)	1	14	1	92-9159	Washer	29	22	2
83-2540	Decal - Traction (Japanese)	20	38	1	92-9164	Frame Assembly	20	18	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
92-9165	Seal - Grease	29	23	2	93-8064	Decal - Danger	6	3	1
92-9166	Washer - Thrust	29	21	4	93-8064	Decal - Danger	3	13	1
92-9167	Roller - Clutch	29	20	4	93-8065	Decal - Traction	20	38	1
92-9169	Motor - Hydraulic	29	40	1	93-8067	Decal - Oil	19	33	1
92-9176	Frame - Pull L.H.	3	24	1	93-8068	Decal - Steering Arm	17	32	1
92-9177	Frame - Pull R.H.	4	1	1	93-8069	Decal - Warning	26	34	1
92-9197	Hose - Hydraulic	29	7	2	93-8075	Decal - Mow/Lift	1	14	1
92-9197	Hose - Hydraulic	29	43	2	93-9346	Clamp - Hose, Pressure	33	23	6
92-9199	Motor - Hydraulic	8	22	2	93-9347	Clamp - Hose, Return	33	24	6
92-9258	Adapter - Valve, Check	12	57	1	93-9898	Decal - Lock	2	57	1
92-9752	Decal - 3WD	30	56	2	93-9901	Bracket - Lock Out, Mow	2	58	1
92-9753	Housing Assembly	31	*	1	93-9903	Pin - Lock Out, Mow	2	56	1
92-9754	Plate - Wear	31	16	1	93-9904	Arm - Lock Out, Mow	2	55	1
92-9755	Manifold	31	20	1	93-9934	Traction Handle Assembly	10	12	1
92-9756	Screw - Cap Hex. Hd.	31	13	1	93-9936	Bracket - Return, Traction	10	44	1
92-9757	Rotor Set	31	*	1	93-9937	Asm. - Cable, Traction	10	45	1
92-9758	Link - Drive	31	12	7	94-2690	Asm. - Filter, Fuel	24	13	1
92-9759	End Cover Assembly	31	22	1	94-2694	Cover - R.H.	20	2	1
92-9760	Shaft - Coupling	31	10	1	94-2959	Ball Joint Receiver Assy.	4	4	2
92-9761	Link - Drive	9	13	7	94-2959	Ball Joint Receiver Assy.	6	4	2
92-9762	Screw - Cap Hex. Hd.	9	14	1	94-2959	Ball Joint Receiver Assy.	3	25	2
92-9763	Rotor Set	9	*	1	94-3506	Reel Motor Assembly	33	8	3
92-9764	Hydraulic Pump Assembly	27	9	1	94-3507	Cover Assembly	34	4	
92-9766	Plate - Gear 66B	28	14	1	94-3508	Drive Sjaft Assembly	34	7	1
92-9767	Assy. - Hose, Cylinder Lift	4	39	2	94-3509	Idle Gear Assembly	34	6	1
92-9767	Hose - Hydraulic	11	18	2	94-4248	Collar Spool	15	26	1
92-9768	Hose - Hydraulic	11	4	1	94-5434	Spool #5	15	1	1
92-9768	Hose - Hydraulic (Bottom)	8	*	1	94-5586	Bar - Lift L.H.	3	30	1
92-9772	Shaft - Drive	28	20	1	94-5588	Bar - Lift, R.H.	4	9	1
92-9773	Gear - 66B	28	21	1	94-6960	Clamp - Mounting	21	9	1
92-9774	Idler Shaft - Gear Assy.	28	12	1	217-60	Rim	8	3	2
92-9779	Decal - Service	19	34	1	217-60	Rim	29	26	1
93-0113	Tube Assy.	11	5	1	218-461	Nut - Hex.	21	16	1
93-0114	Assy. - Tube, Rear Top	29	4	1	218-461	Nut - Hex.	19	25	2
93-0114	Assy. - Tube, Rear Top	12	55	1	218-594	Fuse - 20 Amp	21	7	1
93-0115	Assy. - Tube, Rear Bottom	29	3	1	2112-11	Clamp - Muffler	26	14	1
93-0115	Assy. - Tube, Rear Bottom	12	56	1	232-24	Stem - Valve	8	1	2
93-0116	Hose - Fuel	24	11	1	232-27	Valve Stem w/Cap	29	28	1
93-0117	Hose - Fuel	24	17	1	232-37	Tube - Inner (Optional)	20	*	1
93-0314	Hose - Hydraulic	12	58	1	233-48	Knob	10	11	1
93-1386	Section #5 Assembly	16	*	1	233-48	Knob	17	17	1
93-2529	Fork - Castor	29	29	1	237-7	Seal - O-Ring	19	24	1
93-2548	Decal - Greensmaster 3100	2	46	1	237-21	O-Ring	29	45	2
93-2554	Valve - Needle	12	53	1	237-21	Seal - O-Ring	27	6	1
93-2555	Fitting - Valve Body	11	17	1	237-21	Seal - O-Ring	11	19	6
93-2556	Needle Valve Assembly	12	*	1	237-21	Seal - O-Ring	17	29	4
93-3148	Spring	15	23	1	237-22	Seal - O-Ring	27	2	3
93-3651	Retainer - Boot	13	22	2	237-22	Seal - O-Ring	11	11	7
93-3651	Retainer - Boot	15	47	3	237-22	Seal - O-Ring	33	11	5
93-3652	Boot - Spool Assembly	14	*	2	237-30	O-Ring	29	5	4
93-3652	Boot - Spool Assembly	16	*	3	237-30	Seal - O-Ring	33	3	5
93-6668	Decal - Danger	20	45	1	237-30	Seal - O-Ring	11	7	2
93-7160	Cap - Hydraulic Reservoir	23	8	1	237-30	Seal - O-Ring	19	19	1
93-7170	Cap - Fuel	24	1	1	237-30	Seal - O-Ring	27	27	1
93-7252	Decal - C.E. Mark	20	46	1	237-35	Seal - O-Ring	6	11	2
93-7257	Decal - Service	19	34	1	237-42	Seal - O-Ring	27	4	4
93-7258	Decal - Service (Norwegian)	19	34	1	237-42	Seal - O-Ring	33	9	3
93-7259	Decal - Service (Finnish)	19	34	1	237-42	Seal - O-Ring	11	15	5
93-7260	Decal - Service (Danish)	19	34	1	237-42	Seal - O-Ring	17	31	4
93-7261	Decal - Service (Dutch)	19	34	1	237-54	O-Ring	15	3	6
93-7276	Decal - Danger	20	44	1	237-54	O-Ring	13	6	8
93-7629	Pad - Brake	2	49	1	237-58	Seal - O-Ring	11	34	1
93-7630	Pad - Mow	2	39	1	237-65	Seal - O-Ring	11	2	7
93-7631	Pad - Lift	2	37	1	237-65	Seal - O-Ring	8	15	4
93-8061	Plate - Control	21	2	1	237-78	O-Ring	29	47	2
93-8062	Decal - Parking Brake	1	9	1	237-78	Seal - O-Ring	6	14	2
93-8063	Decal - Warning	17	5	1	237-78	Seal - O-Ring	3	38	2
93-8064	Decal - Danger	4	3	1	237-78	Seal - O-Ring	4	38	2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
237-79	Seal - O-Ring	33 7 3	304-61	Clamp - R	11 23 1
237-79	Seal - O-Ring	11 9 5	321-2	Screw - Cap Hex. Hd.	23 16 1
237-79	Seal - O-Ring	23 11 5	321-3	Screw - Cap Hex. Hd.	20 10 4
237-80	O-Ring	29 41 2	321-3	Screw - Cap Hex. Hd.	19 13 1
237-80	Seal - O-Ring	23 4 1	321-3	Screw - Cap Hex. Hd.	2 52 3
237-80	Seal - O-Ring	8 13 4	321-4	Screw - Cap Hex. Hd.	21 21 1
237-80	Seal - O-Ring	27 25 1	321-4	Screw - Cap Hex. Hd.	26 27 4
237-80	Seal - O-Ring	11 32 3	321-4	Screw - Cap Hex. Hd.	8 31 1
237-81	Seal - O-Ring	11 38 1	321-4	Screw - Hex. Flange Hd.	1 16 2
237-101	Seal - O-Ring	20 26 2	321-5	Screw - Cap Hex. Hd.	8 26 8
237-123	Seal - O-Ring	23 24 1	321-11	Screw - Cap Hex. Hd.	23 40 2
237-143	Grommet	20 40 2	321-11	Screw - Cap Hex. Hd.	2 43 1
237-177	Seal - O-Ring	23 33 3	321-11	Screw - Hex. Washer Hd.	8 17 1
240-11	Grommet	24 3 4	322-1	Screw - Cap Hex. Hd.	3 1 3
240-11	Grommet	23 37 3	322-1	Screw - Cap Hex. Hd.	4 21 3
242-50	Nut - Lug	29 27 4	322-1	Screw - Cap Hex. Hd.	6 30 2
242-50	Nut - Lug	8 29 8	322-1	Screw - Cap Hex. Hd.	27 31 2
2410-18	Plug	35 2 1	322-2	Screw - Cap Hex. Hd.	19 1 2
2410-73	Retainer - Tether	23 10 1	322-3	Screw - Cap Hex. Hd.	6 25 1
2411-42	Joint - Ball L.H. Thread	10 30 1	322-3	Screw - Cap Hex. Hd.	26 32 6
2411-43	Joint - Ball R.H. Thread	10 33 1	322-4	Screw - Cap Hex. Hd.	27 32 2
2412-34	Clamp - Hose	27 10 2	322-4	Screw - Cap Hex. Hd.	20 36 4
2412-34	Clamp - Hose	20 24 3	322-5	Screw - Cap Hex. Hd.	10 36 2
2412-34	Clamp - Hose	23 31 3	322-6	Screw - Cap Hex. Hd.	27 18 4
2412-36	Clamp - Hose	23 13 4	322-7	Screw - Cap Hex. Hd.	29 1 1
2412-36	Clamp - Hose	24 16 2	322-8	Screw - Cap Hex. Hd.	26 21 2
2412-39	Clamp - R	21 28 1	322-14	Screw - Cap Hex. Hd.	23 20 2
2412-41	Clamp - R	24 5 3	322-14	Screw - Cap Hex. Hd.	11 39 3
2412-41	Clamp-R	12 47 4	322-29	Screw - Cap Hex. Hd.	23 22 2
2412-94	Clamp - R	24 10 1	323-4	Screw - Cap Hex. Hd.	17 7 2
2412-108	Clamp - Hose	24 12 4	323-6	Screw - Cap Hex. Hd.	24 6 3
2412-133	Clamp - R	19 4 2	323-6	Screw - Cap Hex. Hd.	23 35 3
2412-141	Clamp - Hose	23 41 2	323-8	Screw - Cap Hex. Hd.	27 24 2
251-141	Bearing - Ball	3 22 2	323-12	Screw - Cap Hex. Hd.	26 1 3
251-141	Bearing - Ball	4 37 2	323-13	Screw - Cap Hex. Hd.	1 5 4
251-141	Bearing - Ball	6 45 2	323-29	Screw - Cap Hex. Hd.	29 35 3
251-352	Assembly - Bearing	29 37 1	324-7	Screw - Cap Hex. Hd.	26 30 4
251-352	Screw - Set	29 34 1	325-4	Screw - Cap Hex. Hd.	17 19 2
254-61	Cup - Bearing	29 11 2	325-11	Screw - Cap Hex. Hd.	8 9 8
254-70	Cone - Bearing	29 10 2	3211-2	Screw - Cap Hex. Hd.	10 19 2
256-2	Bushing - Sleeve	10 20 2	3217-5	Nut - Hex.	20 12 2
256-155	Bushing - Flange	10 26 2	3217-6	Nut - Hex.	28 1 4
256-155	Bushing - Flange	19 28 2	3217-6	Nut - Hex.	10 48 1
256-251	Bushing - Sleeve	10 10 2	3217-7	Nut - Hex.	13 33 3
282-2	Clevis - Adjusting	1 2 5	3217-12	Nut - Hex.	30 49 1
282-2	Clevis - Rod	10 3 1	3217-16	Nut - Hex.	21 33 3
283-8	Pin - Clevis	3 4 1	3217-25	Nut - Hex.	21 35 2
283-8	Pin - Clevis	4 18 1	3217-27	Nut - Hex.	21 10 2
283-57	Pin - Clevis	10 8 1	3218-13	Nut - Jam	20 8 2
283-61	Pin - Clevis	1 1 5	3219-2	Nut - Hex.	36 6 1
283-61	Pin - Clevis	10 4 1	3219-14	Nut - Hex.	20 7 2
283-62	Pin - Clevis	10 46 1	3219-18	Nut - Hex.	35 2 1
302-2	Fitting - Grease	6 17 1	3220-2	Nut - Jam	10 2 2
302-2	Fitting - Grease	4 23 1	3220-2	Nut - Jam	1 3 5
302-2	Fitting - Grease Straight	3 34 1	3220-3	Nut - Jam	4 2 2
302-5	Fitting - Grease	32 13 1	3220-3	Nut - Jam	6 2 2
302-5	Fitting - Grease	1 27 1	3220-3	Nut - Jam	3 23 2
302-5	Fitting - Grease	4 29 4	3220-6	Nut - Jam	5 14 1
302-5	Fitting - Grease	29 33 1	3220-6	Nut - Jam	29 32 2
302-5	Fitting - Grease	2 44 1	3220-20	Nut - Jam L.H. Thread	10 31 1
302-5	Fitting - Grease Straight	3 15 4	3229-22	Bolt - Carriage	1 10 2
302-5	Fitting - Grease Straight	6 37 5	3234-1	Screw - Cap Hex. Hd.	2 53 4
302-11	Fitting - Grease 45°	29 12 1	3234-1	Screw - Hex. Flange Hd.	10 6 4
302-40	Fitting - Grease 90°	29 13 2	3234-4	Screw - Cap Hex. Hd.	12 46 2
302-60	Fitting - Grease 90°	3 8 2	3241-2	Screw - Set Square Hd.	27 19 2
302-60	Fitting - Grease 90°	4 17 2	3241-6	Screw - Set Square Hd.	27 13 2
302-60	Fitting - Grease 90°	6 32 1	3245-1	Screw - Set, Hex. Soc. Hd.	32 1 2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3246-3	Screw - Set	17 12 1	3274-70	Screw - Hex, Socket Hd.	13 1 2
3253-3	Washer - Lock	26 26 4	3274-80	Screw - Cap Hex. Hd.	17 1 3
3253-3	Washer - Lock	23 39 2	3274-84	Screw - Cap, Hex. Hd.	16 58 4
3253-3	Washer - Lock	16 57 4	3274-91	Screw - Hex. Socket Hd.	20 4 3
3253-4	Washer - Lock	19 2 2	3284-3	Pin - Groove	19 15 1
3253-4	Washer - Lock	20 9 2	3290-277	Nut - Speed	17 22 6
3253-4	Washer - Lock	30 57 1	3290-317	Washer - Wave	3 18 2
3253-6	Washer - Lock	26 29 4	3290-317	Washer - Wave	4 32 2
3253-21	Washer - Lock	27 23 2	3290-317	Washer - Wave	6 40 2
3253-21	Washer - Lock	4 27 2	3290-357	Nut - Flange Lock	26 8 3
3253-21	Washer - Lock	3 35 2	3290-379	Tie - Cable	6 46 1
3253-21	Washer - Lock	6 35 2	3290-470	Screw - Flat Hd.	20 22 2
3254-1	Washer - Lock	20 6 2	3290-496	Nut - Retaining	29 14 1
3254-5	Washer - Lock	21 15 1	3296-4	Nut - Lock	10 22 2
3254-6	Washer - I.T.L.W.	10 18 2	3296-16	Nut - Lock	19 11 1
3254-10	Washer - Lock, Int. Tooth	21 31 2	3296-16	Nut - Lock	1 21 2
3255-7	Washer - Lock, Int. Tooth	21 29 1	3296-16	Nut - Lock	21 24 9
3255-8	Washer - Lock, Int. Tooth	36 9 1	3296-16	Nut - Lock	20 34 3
3255-20	Washer - Ext.	21 34 2	3296-16	Nut - Lock	12 49 2
3255-24	Washer - Lock, Ext. Tooth	21 32 3	3296-23	Nut - Lock	8 19 8
3256-1	Washer - Flat	26 18 8	3296-23	Nut - Lock	29 39 2
3256-1	Washer - Flat	21 20 8	3296-27	Nut - Lock	21 11 4
3256-1	Washer - Flat	2 51 9	3296-29	Nut - Lock	19 8 4
3256-22	Washer - Flat	20 3 5	3296-29	Nut - Lock	27 14 4
3256-22	Washer - Flat	8 30 2	3296-29	Nut - Lock	10 16 3
3256-22	Washer - Flat	23 45 1	3296-29	Nut - Lock	6 29 1
3256-22	Washer - Flat	12 52 1	3296-39	Nut - Lock	1 20 2
3256-23	Washer - Flat	3 2 3	3296-39	Nut - Lock	29 31 3
3256-23	Washer - Flat	27 17 8	3296-42	Nut - Lock	8 25 8
3256-23	Washer - Flat	4 20 3	3296-59	Nut - Lock	10 15 4
3256-23	Washer - Flat	26 23 2	3296-59	Nut - Lock	2 34 8
3256-23	Washer - Flat	6 28 3	32103-12	Nut - Wing	20 14 2
3256-23	Washer - Flat	19 30 4	32104-76	Screw - Self Tapping	20 1 5
3256-23	Washer - Flat	20 35 4	32108-100	Screw - Flat Hd.	8 16 1
3256-24	Washer - Flat	10 14 6	32120-8	Ring - Retaining	5 10 1
3256-24	Washer - Flat	4 26 2	32121-6	Pin - Roll	10 39 1
3256-24	Washer - Flat	6 34 2	32121-6	Pin - Roll	2 41 1
3256-24	Washer - Flat	3 36 2	32121-35	Pin - Roll	2 32 8
3256-26	Washer - Flat	4 12 1	32121-45	Pin - Roll	19 14 1
3256-26	Washer - Flat	6 20 1	32121-45	Pin - Roll	10 28 1
3256-26	Washer - Flat	3 31 1	32121-51	Pin - Roll	10 43 1
3256-26	Washer - Flat	17 34 2	32122-35	Screw - Truss Head	36 8 1
3256-28	Washer - Flat	30 50 1	32128-20	Nut - Flange Lock	11 24 3
3256-38	Washer - Flat	2 35 6	32128-20	Nut - Flange Lock	10 27 1
3256-63	Washer - Flat	24 7 1	32128-20	Nut - Flange Lock	27 29 2
3256-71	Washer - Flat	23 19 4	32128-20	Nut - Flange Lock	26 31 8
3256-80	Washer - Flat	17 2 3	32128-20	Nut - Lock, Flange	36 3 1
3257-42	Key - Woodruff	8 11 2	32128-33	Nut - Flange Lock	1 18 2
3257-42	Key - Woodruff	9 17 1	32128-33	Nut - Lock	8 32 1
3272-4	Pin - Cotter	10 13 1	32136-9	Nut - Hex. Slotted	29 8 1
3272-6	Pin - Cotter	1 30 5	32141-111	Nut Flange Lock	1 11 1
3272-6	Pin - Cotter	10 41 1	32144-21	Screw - Round Hd.	17 8 2
3272-10	Pin - Cotter	10 47 1	32148-6	Insert - Threaded	1 19 8
3272-11	Pin - Cotter	3 5 2	32149-2	Nut - Keps	20 37 2
3272-11	Pin - Cotter	19 9 1	32149-7	Nut - Keps	20 41 2
3272-11	Pin - Cotter	4 13 2	32151-10	Ring - Retainer	29 24 2
3272-11	Pin - Cotter	6 19 1	32151-41	Ring - Retaining	34 13 1
3272-37	Pin - Cotter	29 9 1	32152-10	Nut - Hex.	7 2 1
3273-26	Screw - Hex. Socket Hd.	21 18 4	32152-10	Nut - Lock	5 2 1
3274-7	Screw - Socket Hd.	26 9 2	340-1	Fitting - Hydraulic Straight	17 30 4
3274-12	Screw - Hex. Socket Hd.	19 29 4	340-7	Fitting - Hydraulic	29 42 2
3274-15	Screw - Fillister Hd.	13 43 2	340-14	Fitting - Hydraulic 45°	8 14 4
3274-31	Screw - Hex. Socket Hd.	1 15 4	340-14	Fitting - Hydraulic 45°	12 54 1
3274-39	Screw - Cap Hex. Hd.	17 21 6	340-16	Fitting - Hydraulic 90°	11 33 1
3274-52	Screw - Hex, Socket Hd.	13 20 4	340-18	Fitting - Hydraulic 90°	11 13 1
3274-52	Screw - Hex. Socket Hd.	15 45 6	340-77	Fitting - Hydraulic 90°	33 10 2
3274-63	Screw - Hex. Socket Hd.	17 33 2	340-77	Fitting - Hydraulic 90°	11 14 2
3274-69	Screw - Hex. Socket Hd.	21 1 8	340-82	Fitting - Hydraulic 90°	27 5 1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
340-82	Fitting - Hydraulic 90°	11	44	1	353-763	Cap - Adjustment	13	44	1
340-87	Fitting - Hydraulic 45°	27	3	3	353-766	Relief WH (2000) PSI Assy.	14	*	1
340-87	Fitting - Hydraulic 45°	33	15	1	353-768	Section #1 Complete	14	*	1
340-98	Fitting - Hydraulic 90°	33	14	3	353-772	Left End Cover	13	34	1
340-101	Fitting - Hydraulic 45°	11	8	1	353-780	Positioner - R. Detent (Out)	14	*	1
340-103	Fitting - Hydraulic 45°	6	12	2	353-808	Collar - Spring	15	24	1
340-105	Fitting - Hydraulic 90°	27	26	1	353-830	O-Ring	15	25	1
340-132	Fitting - Hydraulic 90°	29	46	2	353-831	Spring	15	21	1
340-138	Fitting - Hydraulic 45°	11	12	2	353-833	Positioner Assembly	16	*	1
340-151	Fitting - Tee	12	59	1	353-835	Seals - Section Set	14	*	1
351-78	Edging	19	40	1	353-835	Seals - Section Set	16	*	1
353-301	Poppet	13	27	1	353-837	Section #2 Complete	14	*	1
353-302	O-Ring	15	7	3	353-839	Positioner - DI (SPL) Assy.	14	*	1
353-302	O-Ring	13	10	3	353-840	Position - DI (SP) Assy.	16	*	1
353-303	Ring - Backup	15	8	6	353-841	Position - Spool Assembly	16	*	1
353-303	Ring - Backup	13	9	6	353-844	Plus Series	16	55	1
353-304	Spring	13	28	1	353-845	Sleeve - Detent	15	41	1
353-305	O-Ring	15	5	5	353-846	Spud - DI (SPL)	15	40	1
353-305	O-Ring	13	8	4	353-847	Bonnet (SPL)	15	38	1
353-306	Ring - Backup	15	4	5	353-848	O-Ring	15	14	1
353-306	Ring - Backup	13	7	4	353-849	Sleeve	15	39	1
353-328	Washer - Shim	13	15	A/R	353-850	O-Ring	16	56	1
353-328	Washer - Shim	15	32	A/R	353-851	Body - Relief CP-RC Mod.	13	12	1
353-329	Washer - Shim	13	16	A/R	353-851	Body - Relief CP-RC Mod.	15	29	2
353-329	Washer - Shim	15	33	A/R	353-853	Bolt - Hex Hd.	15	10	3
353-330	Washer - Shim	13	17	A/R	353-855	Spring	13	18	2
353-330	Washer - Shim	15	34	A/R	353-855	Spring	15	44	1
353-331	O-Ring	13	29	1	353-884	Key - Woodruff	28	19	4
353-334	Cap - Relief	13	19	2	353-886	Ring - Retaining	28	18	2
353-334	Cap - Relief	15	36	2	353-922	Seal - Ring	28	23	10
353-392	Seal - Relief Poppet PTFE	13	13	2	353-923	Bearing Plate Assembly	28	26	2
353-392	Seal - Relief Poppet PTFE	15	30	2	353-952	Ring - Backup	13	32	1
353-398	Spring	15	35	1	353-953	Plug Assembly	16	54	1
353-417	Collar Spring	15	20	2	353-957	Seal - Lip	15	15	6
353-417	Collar Spring	13	40	2	353-957	Seal - Lip	13	26	4
353-481	Plug - Load Check	15	2	3	353-958	Ring - Backup	15	16	1
353-481	Plug - Load Check	13	5	3	353-967	Gear - 33B	28	24	6
353-483	Body - Anticavitation	16	61	1	353-969	Plate - Gear 33B	28	25	3
353-484	Retainer - Ball	16	62	1	354-2	Body Assembly	28	15	1
353-529	Plate Seal	15	22	1	354-3	Bearing Plate Assembly	28	22	1
353-531	Poppet Assembly	15	31	2	354-4	Bearing Plate Assembly	28	28	1
353-531	Poppet Assy.	13	14	2	354-5	Adapter - Splined	28	27	1
353-550	Plug - Hydraulic	23	38	1	354-6	Plate - Gear 18B	28	30	1
353-550	Plug Assembly	15	13	1	354-7	Cover Assembly	28	31	1
353-563	Fitting - Hydraulic Straight	20	25	1	354-8	Drive Shaft - Gear Assy.	28	29	1
353-564	Fitting - Hydraulic 90°	20	31	1	354-9	Idle Shaft - Gear Assy.	28	5	1
353-575	Boot - Dust Cap	13	21	2	354-11	Pin - Dowel	28	4	2
353-575	Boot - Dust Cap	15	46	3	354-12	Pin - Dowel	28	6	2
353-579	Spring	13	45	1	354-13	Pin - Dowel	28	11	4
353-599	Pin - Dowel	34	3	2	354-14	Pin - Dowel	28	13	2
353-642	Relief - RC Mod.	14	*	2	354-15	Seal - Shaft	28	17	1
353-642	Relief - RC Mod. Assembly	16	*	1	354-16	Washer - Lock	28	2	4
353-668	Plate - Cap, Cover RH	15	11	1	354-17	Stud - Threaded	28	3	4
353-721	Plug	13	35	2	354-25	Section #4 Assembly	16	*	1
353-727	Bonnet	13	2	1	354-26	Bonnet	15	27	2
353-728	Sleeve	14	49	1	354-28	Screw - Hex, Socket Hd.	15	28	2
353-729	Spud - Detent	13	3	1	354-29	Plate - Thrust	13	48	1
353-730	Spring	15	42	1	354-35	Gasket	28	32	1
353-731	Ball	15	43	1	354-46	Ring - Seal	34	8	1
353-732	Sleeve - Detent	14	52	1	354-50	Screw - Hex. Socket Hd.	34	1	4
353-733	Spacer - Bonnet	13	4	1	354-51	Washer	34	2	4
353-733	Spacer - Bonnet	15	19	2	354-120	Fitting - Hydraulic 90°	23	27	3
353-737	Ball	16	63	1	354-121	Fitting - Hydraulic Straight	23	12	1
353-754	Bonnet - R. Detent	13	42	1	354-122	Disc - Seal	16	52	1
353-758	Seal - O-Ring	13	31	1	354-129	Anticavitation Check Assy.	16	*	1
353-760	Body Relief	13	30	1	354-131	Section #3 Assembly	16	*	1
353-762	Spud - Detent Out	14	50	1					

\*Not Illustrated

## 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.

## TABLE OF CONTENTS

Description	Page	Description	Page
Control Pedal Assembly .....	1–2	Control Panel Assembly .....	21
Pull Frame Assembly L.H. ....	3	Electrical Schematic .....	22
Pull Frame Assembly R.H. ....	4	Hydraulic Reservoir Assembly .....	23
Hydraulic Cylinder Assembly No. 83–2580 .....	5	Fuel Tank Assembly .....	24
Pull Frame Assembly Rear .....	6	Hydraulic Schematic .....	25
Hydraulic Cylinder Assembly No. 83–7230 .....	7	Engine Installation Assembly .....	26
Front Wheel & Brake Assembly .....	8	Hydraulic Pump Installation Assembly .....	27
Hydraulic Drive Motor Assembly No. 92–9199 ....	9	Hydraulic Pump Assembly No. 92–9764 .....	28
Traction Controls Assembly .....	10	Rear Wheel Assembly .....	29–30
Control Valve Installation Assembly .....	11–12	Hydraulic Drive Motor Assembly No. 92–9169 ...	31
Control Valve Assembly No. 84–2203		Hydraulic Cylinder Assembly No. 83–2330 .....	32
(Sections 1 & 2) .....	13–14	Reel Motor Installation Assembly .....	33
Control Valve Assembly No. 84–2203		Reel Motor Assembly No. 94–3506 .....	34
(Sections 3 thru 5) .....	15–16	Special Tools .....	35–36
Steering Arm Assembly .....	17	Briggs & Stratton Engine Assembly	
Power Steering Valve Assembly No. 92–8690 ...	18	Model 303447–0411–01 .....	37–47
Seat Assembly .....	19	Part Number Index .....	48–54
Frame Assembly .....	20		

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

