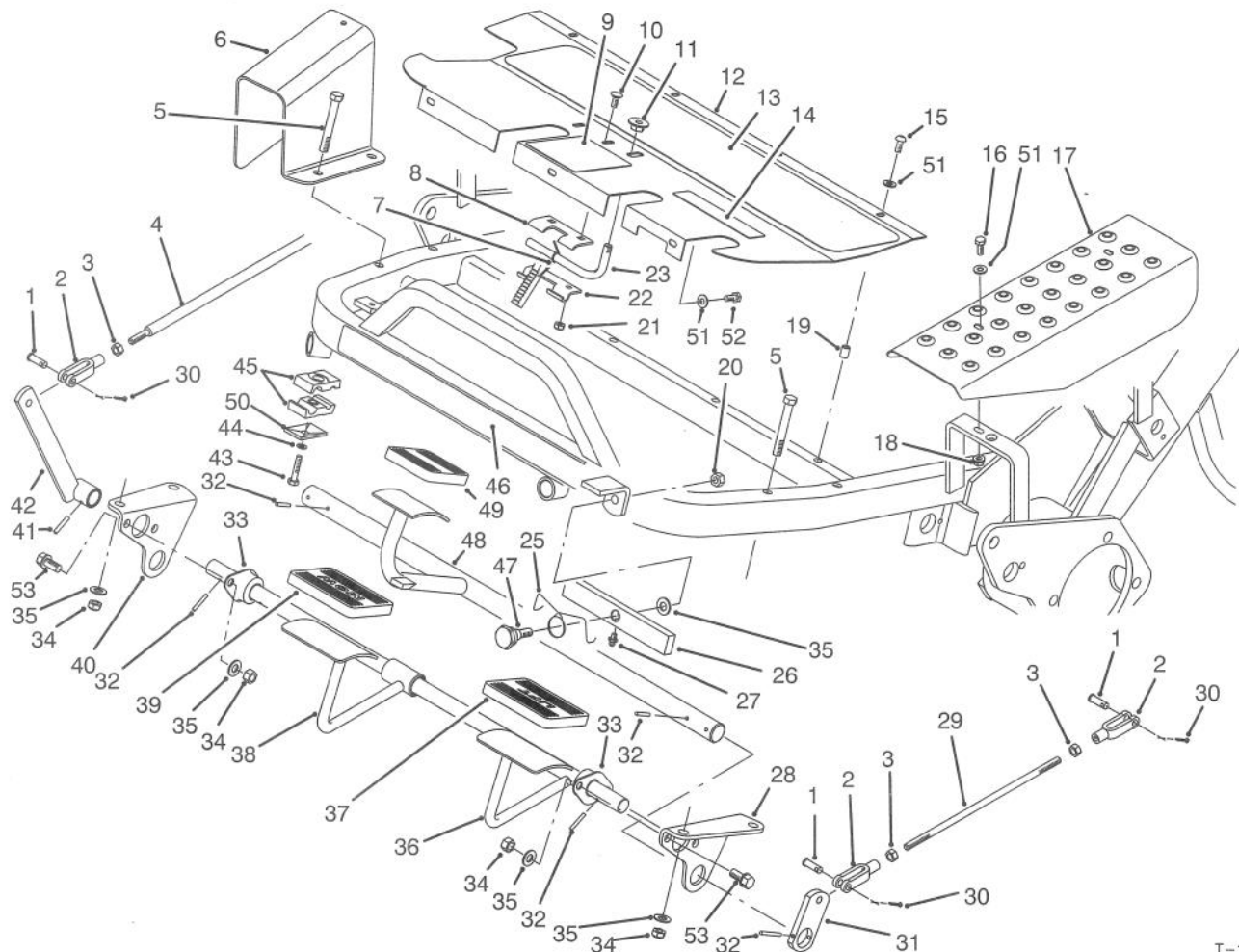


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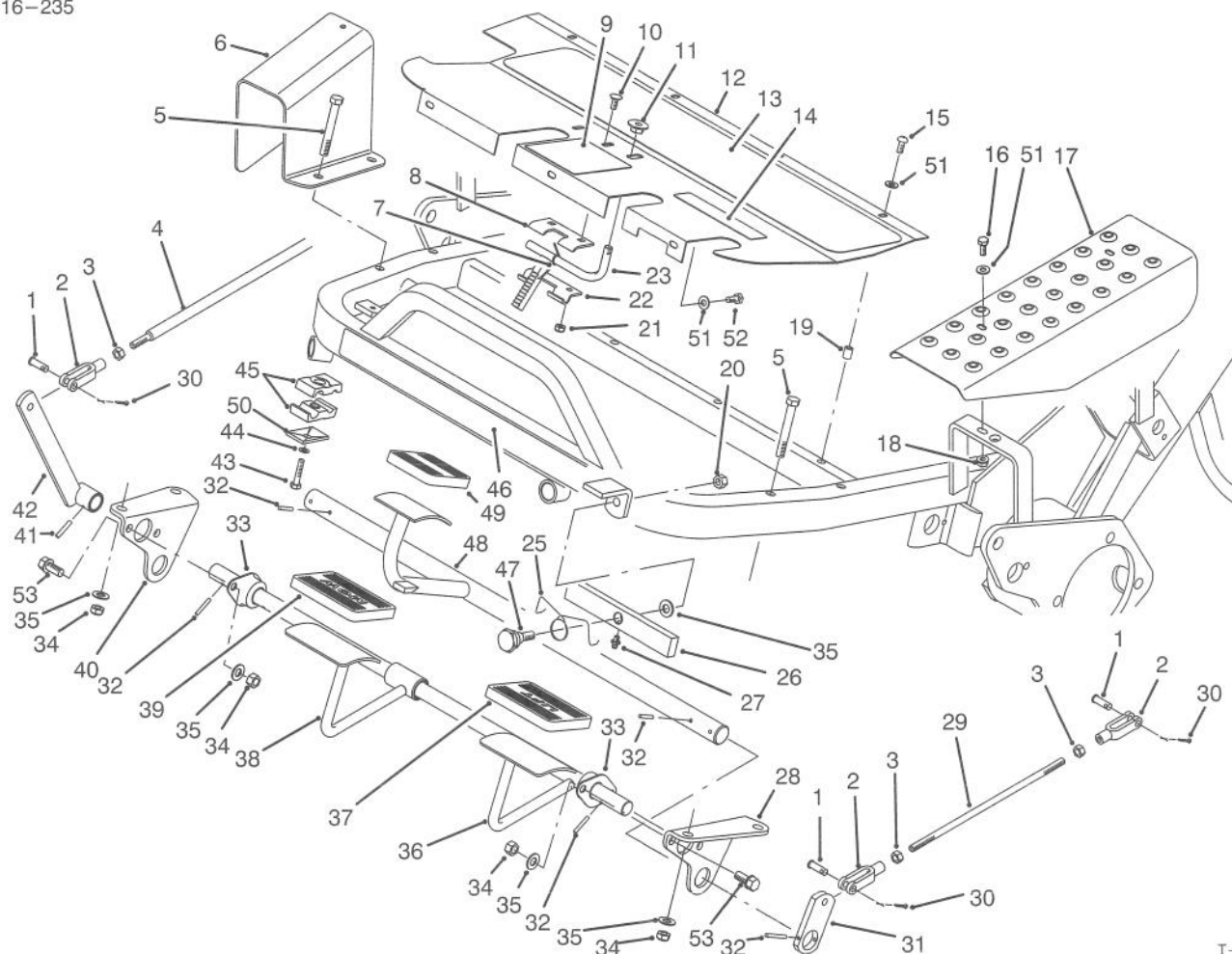
MODEL NO. 04352-40001 & UP

**PARTS
CATALOG****GREENSMASTER® 3100
TRACTION UNIT**

T-1285

CONTROL PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	283-61	Pin - Clevis	5	17	83-0200	Cover - L.H.	1
2	282-2	Clevis - Adjusting	5	18	32128-33	Nut - Flange Lock	2
3	3220-2	Nut - Jam	5	19	32148-6	Insert - Threaded	8
4	49-5430	Rod - Control	1	20	3296-39	Nut - Lock	1
5	323-13	Screw - Cap Hex. Hd.	4	21	3296-16	Nut - Lock	2
6	49-6110	Guard - Transfer Rod	1	22	10-7890	Hinge - Lower	1
7	10-8140	Spring - Torsion	1	23	10-7850	Latch - Parking Brake	1
8	10-7880	Hinge - Upper	1	25	83-0080	Spring - Torsion	1
9	83-2480	Decal - Parking Brake	1	26	83-0060	Lift - Pivot	1
10	3229-22	Bolt - Carriage	2	27	302-5	Fitting - Grease	1
11	32141-111	Nut Flange Lock	1	28	88-9640	Lift Pivot Bracket L.H.	1
12	83-0640	Plate - Footrest	1	29	27-2270	Rod - Brake Adjusting	2
13	49-6120	Pad - Footrest	1	30	3272-6	Pin - Cotter	5
14	83-2530	Decal - Mow/Lift	1	31	10-8100	Strap - Brake Shaft	2
15	3274-31	Screw - Hex. Socket Hd.	4	32	32121-35	Pin - Roll	8
16	321-4	Screw - Hex. Flange Hd.	2	33	27-2320	Bearing - Flange	2

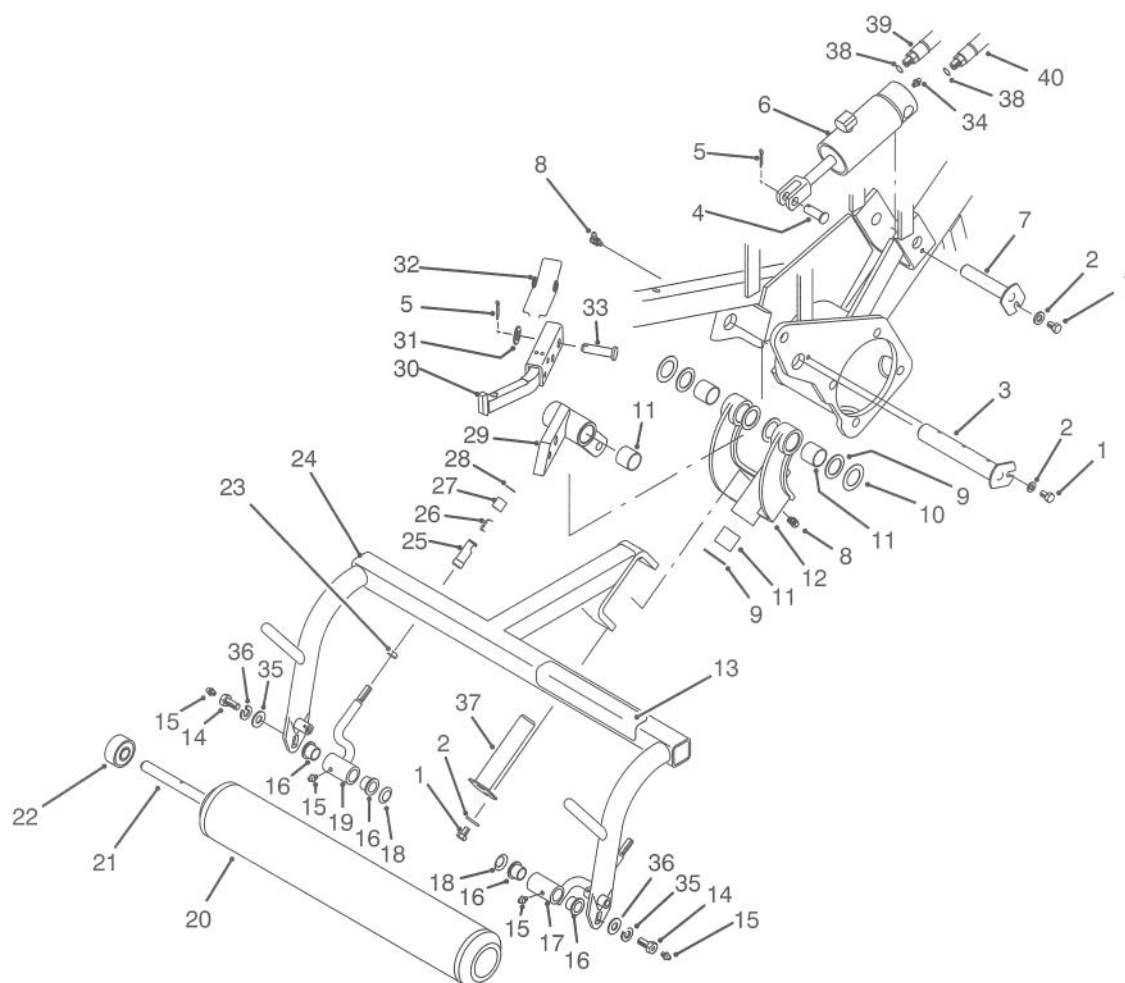


T-1285

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
34	3296-59	Nut - Lock	8
35	3256-24	Washer - Flat	5
36	88-9660	Shaft - Cutting Control	1
37	10-8240	Pad - Lift	1
38	83-0140	Pedal - Mow	1
39	10-8250	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	3253-3	Washer - Lock	1

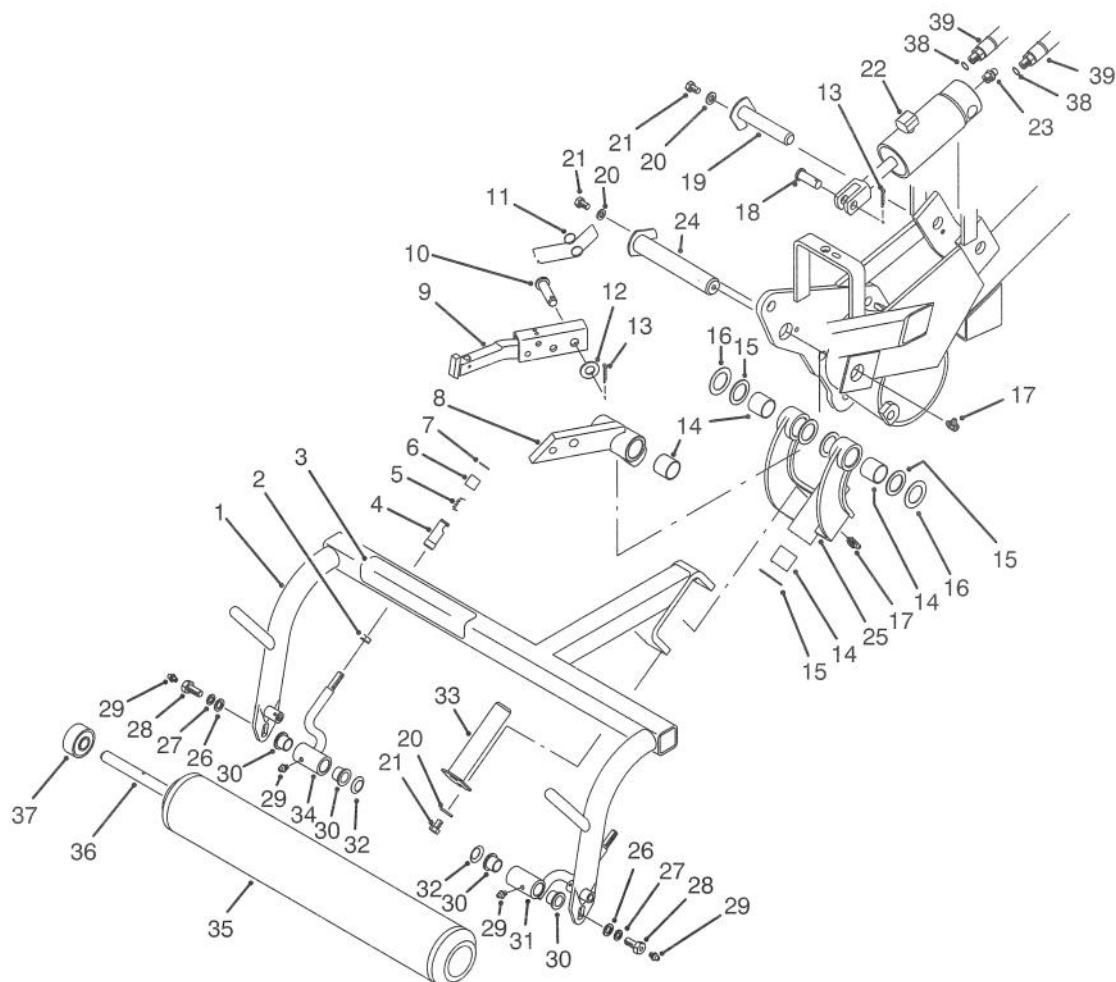
Ref. No.	Part No.	Description	No. Used
45	56-7970	Clamp Half - Tube	2
46	88-9620	Decal - Greensmaster 3100	1
47	83-2590	Bolt - Shoulder	1
48	83-0160	Shaft - Brake	1
49	49-6170	Pad - Brake	1
50	69-9760	Plate - Cover	1
51	3256-22	Washer - Flat	10
52	321-3	Screw - Cap Hex. Hd.	3
53	3234-1	Screw - Cap Hex. Hd.	4
*	37-8130	Basket - Grass	3
*	65-8320	Bar - Gauge	1



T-1283A

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	21	21-8470	Shaft - Roller	1
2	3253-4	Washer - Lock	3	22	251-141	Bearing - Ball	2
3	10-6110	Pin - Hinge	1	23	3220-3	Nut - Jam	2
4	283-8	Pin - Clevis	1	24	86-9810	Frame - Pull L.H.	1
5	3272-11	Pin - Cotter	2	25	8-7710	Ball Joint Receiver Assy. (Incl. Ref. #26-28)	2
6	83-2580	Cylinder - Lift	1	26		Spring - Compression	2
7	10-6060	Pin - Lift Cylinder	1	27		Sleeve	2
8	302-60	Fitting - Grease 90°	2	28		Ring - Retaining	2
9	10-8110	Washer - Thrust	6	29	62-2460	Lift Arm Assembly L.H. (Incl. Ref. #11)	1
10	5-1226	Washer - Shim	2	30	62-2390	Bar - Lift L.H.	1
11	3-0348	Bushing - Sleeve	6	31	3256-26	Washer - Flat	1
12	10-7820	Pivot Hinge Assembly (Incl. Ref. #11)	1	32	57-7650	Spring - Torsion	1
13	84-6560	Decal - Danger	1	33	63-8750	Pin - Pivot	1
14	11-0160	Roller Shaft Screw Assy. (Incl. Ref. #15)	2	34	302-2	Fitting - Grease Straight	1
15	302-5	Fitting - Grease Straight	4	35	3253-21	Washer - Lock	2
16	3-1506	Bushing - Flange	4	36	3256-24	Washer - Flat	2
17	92-0586	Pull Arm Assembly L.H. (Incl. Ref. #16)	1	37	10-6090	Pin - Pivot	1
18	3290-317	Washer - Wave	2	38	237-78	Seal - O-Ring	2
19	92-0585	Pull Arm Assembly R.H. (Incl. Ref. #16)	1	39	63-3850	Hose - Hydraulic (Incl. Ref. #38)	1
20	52-2720	Roller Assembly (Incl. Ref. #22)	1	40	83-1690	Hose - Hydraulic (Incl. Ref. #38)	1

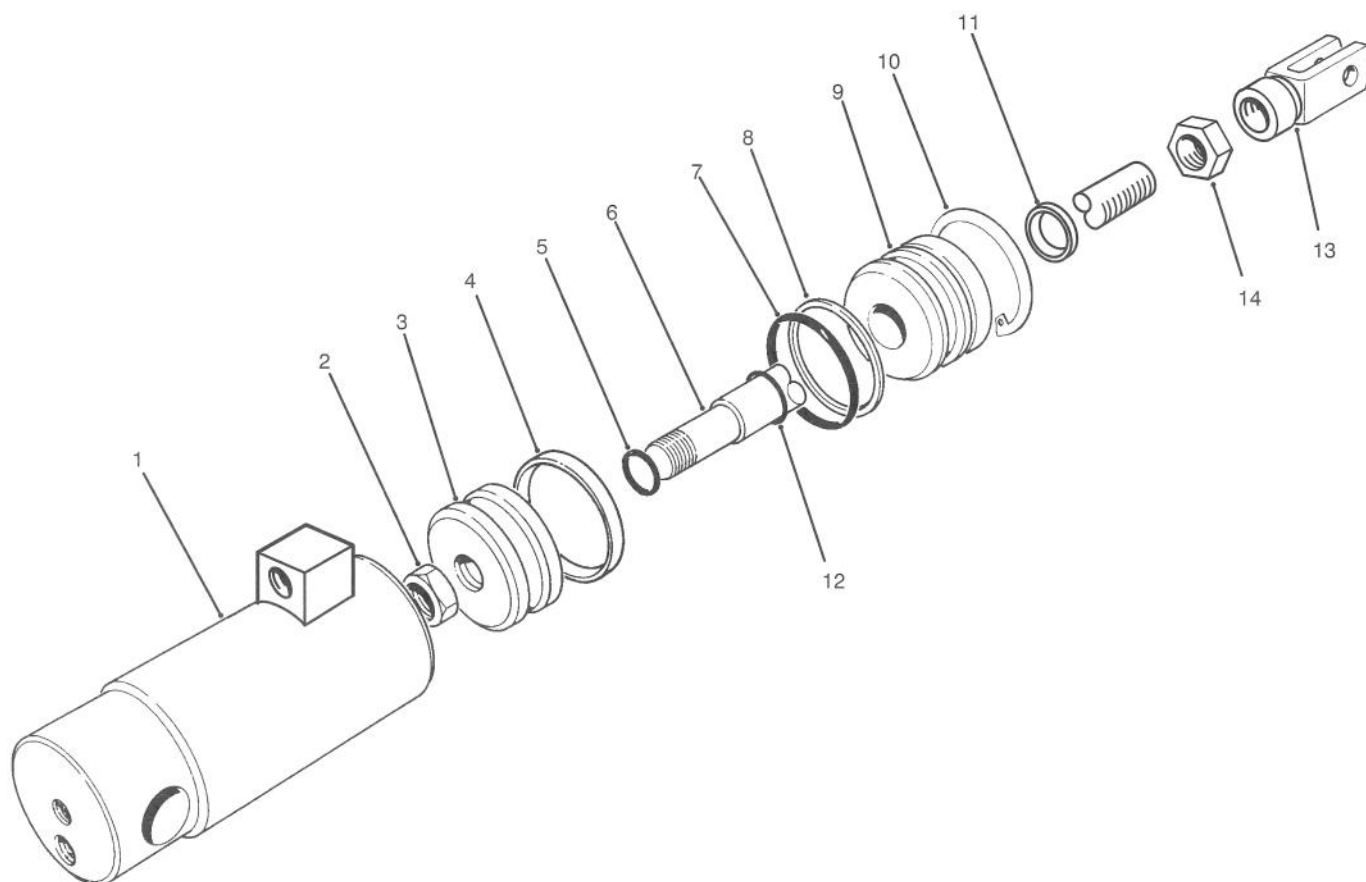


T-1284A

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	86-9820	Frame - Pull R.H.	1
2	3220-3	Nut - Jam	2
3	84-6560	Decal - Danger	1
4	8-7710	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	62-2420	Bar - Lift	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	3253-4	Washer - Lock	3
21	322-1	Screw - Cap Hex. Hd.	3
22	83-2580	Hydraulic Cylinder Assy.	1

Ref. No.	Part No.	Description	No. Used
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	63-3880	Hose - Hydraulic (Incl. Ref. #38)	2



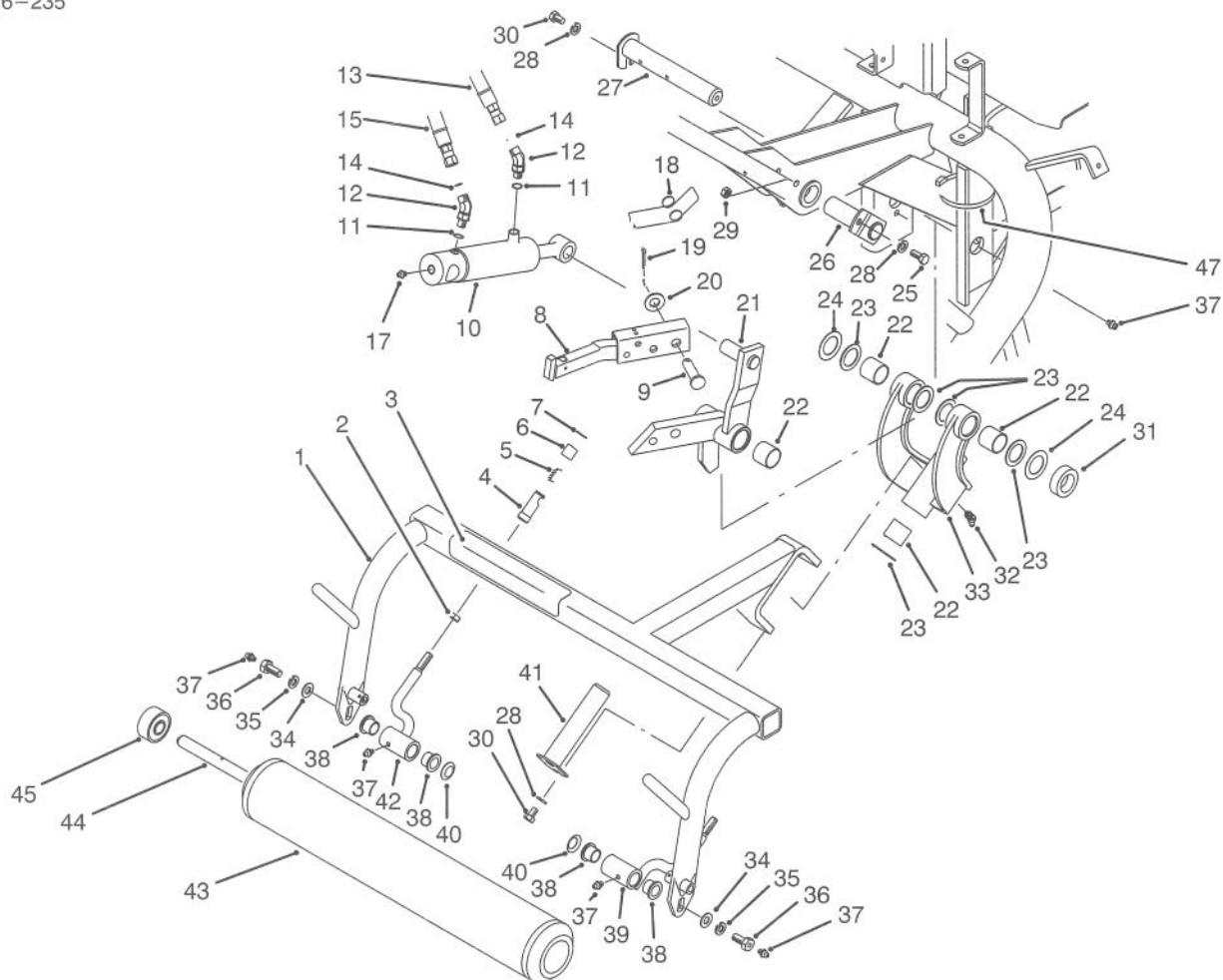
T-1246

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

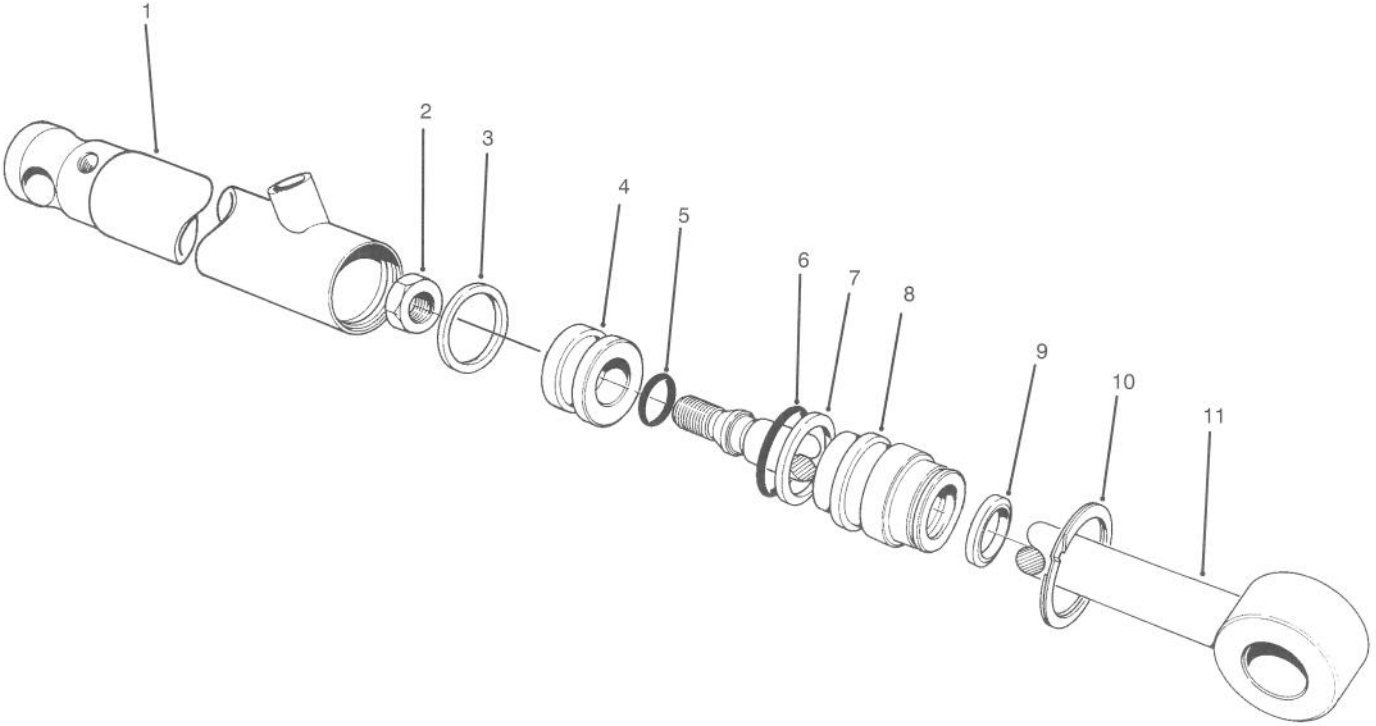


T-1286A

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	84-6560	Decal - Danger	1
4	8-7710	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	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
25	322-3	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
26	68-5560	Pin - Cylinder Pivot	1
27	27-2550	Pin - Pivot	1
28	3253-4	Washer - Lock	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
47	3290-379	Tie - Cable	1



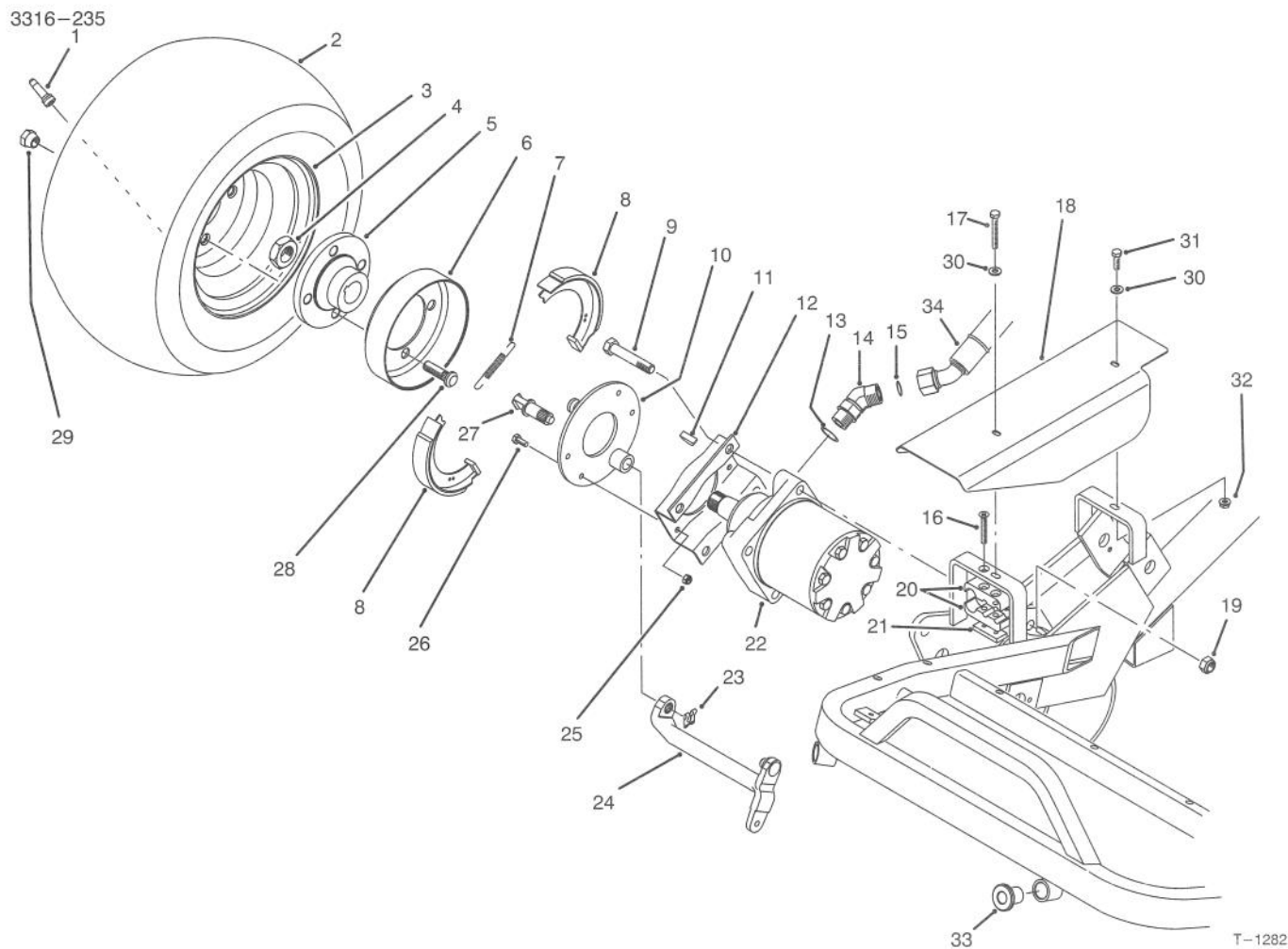
T-0640

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



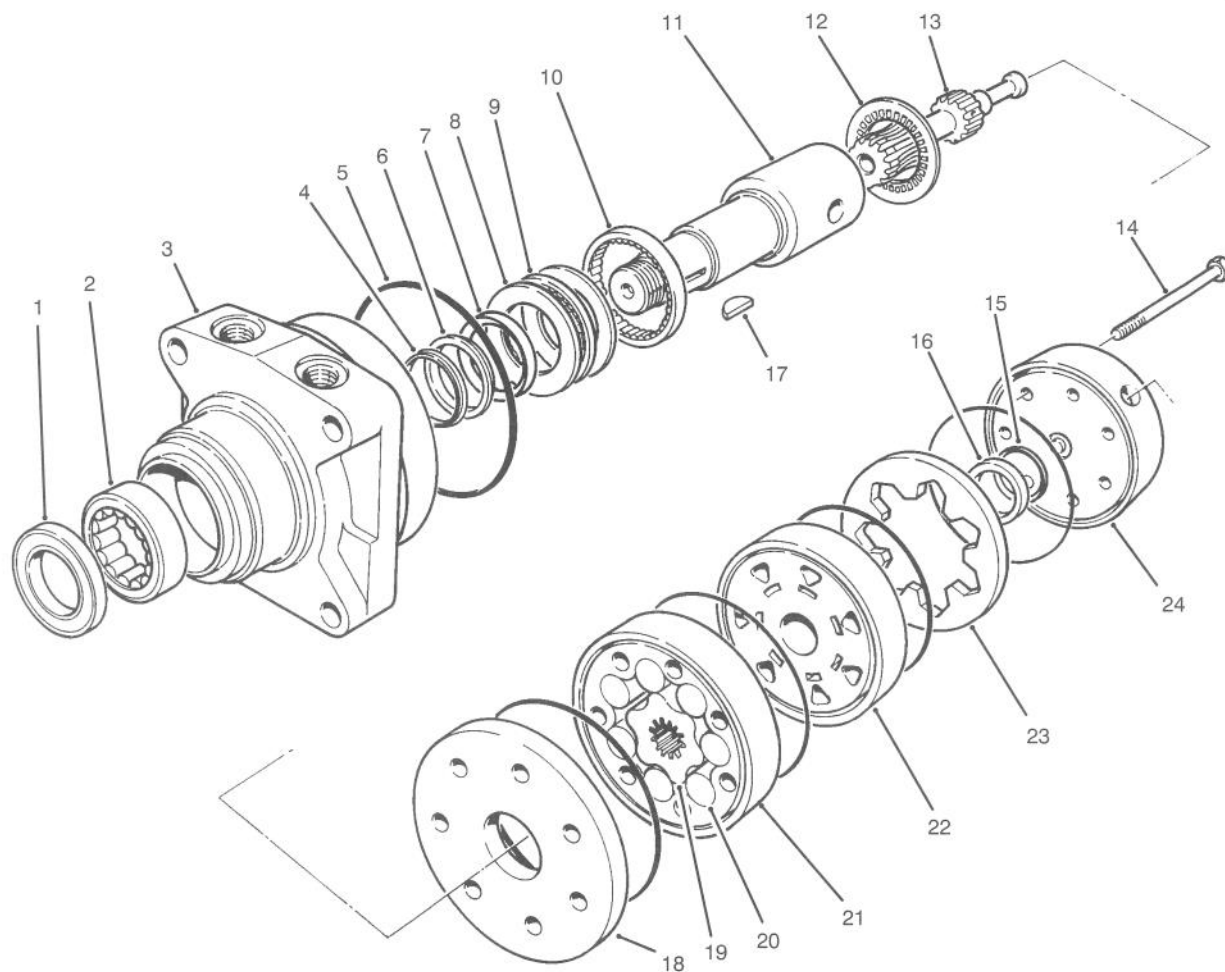
T-1282

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	3289-20	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	75-9990	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
*	83-2460	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

*Not Illustrated

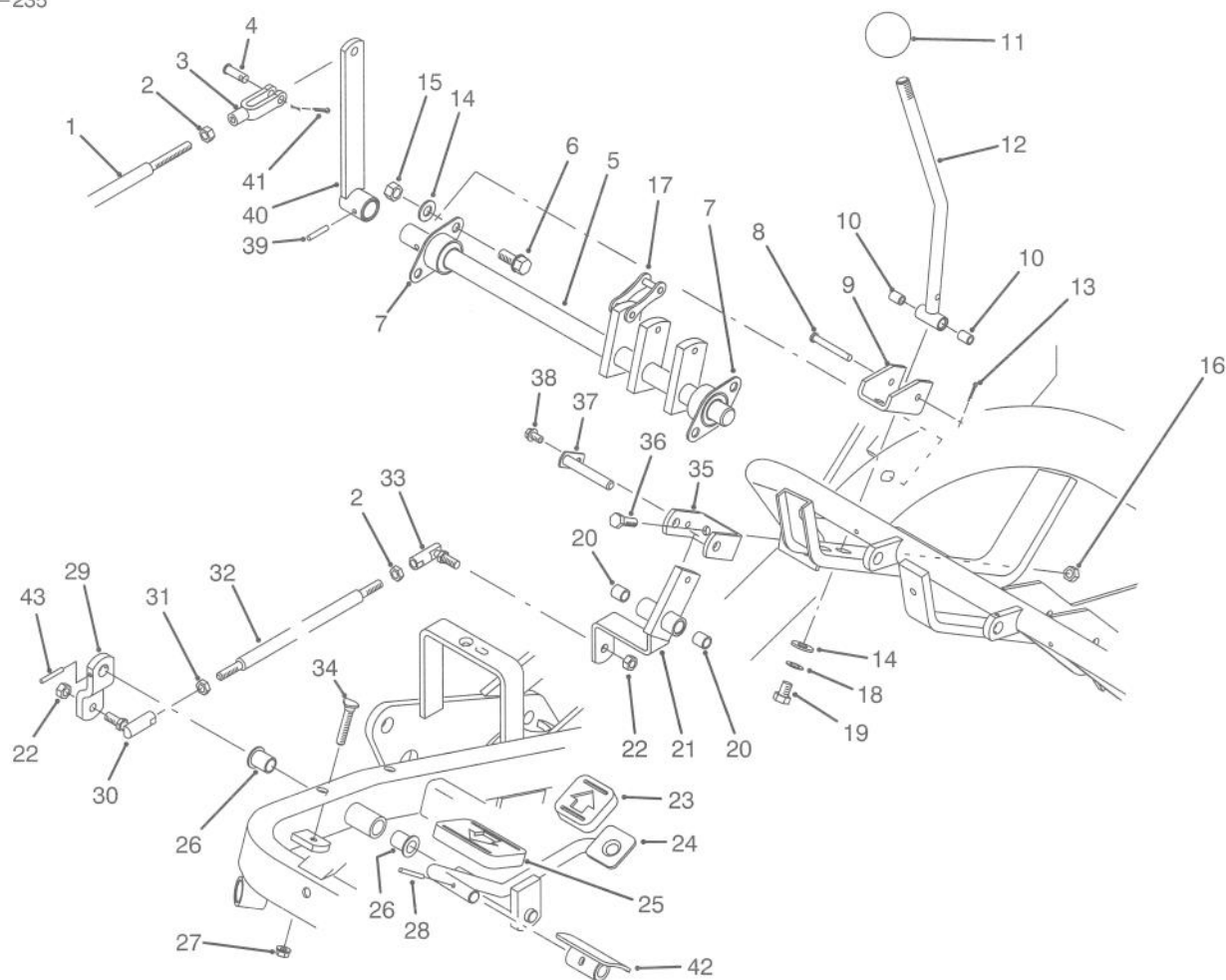


T-0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 75-9990

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal - Dirt & Water	1	17	3257-42	Key - Woodruff	1
2		Bearing	1	18	76-0870	Plate - Wear	1
3		Housing	1	19		Rotor	1
4		Washer - Back-Up	1	20		Vane	7
5		Ring - Seal	5	21		Stator	1
6		Washer - Back-Up	1	22	76-0840	Manifold	1
7		Seal - Inner	1	23		Ring - Commutator	1
8		Washer - Thrust	2	24	76-0940	End Cover Assembly	1
9		Bearing - Thrust	1	*	76-0970	Rotor Set (Incl. Ref. #19-21)	1
10		Bearing	1	*	76-0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
11	76-0860	Shaft - Coupling	1	*	76-0800	Seal Kit (Incl. Ref. #1, 4-7 & 15)	1
12	76-0850	Bearing - Thrust	1	*	76-0810	Housing Assembly (Incl. Ref. #2, 3 & 8-10)	1
13	76-0960	Link - Drive	7				
14	76-1010	Screw - Cap Hex. Hd.	1				
15		Seal - Commutator	1				
16		Commutator	1				

*Not Illustrated

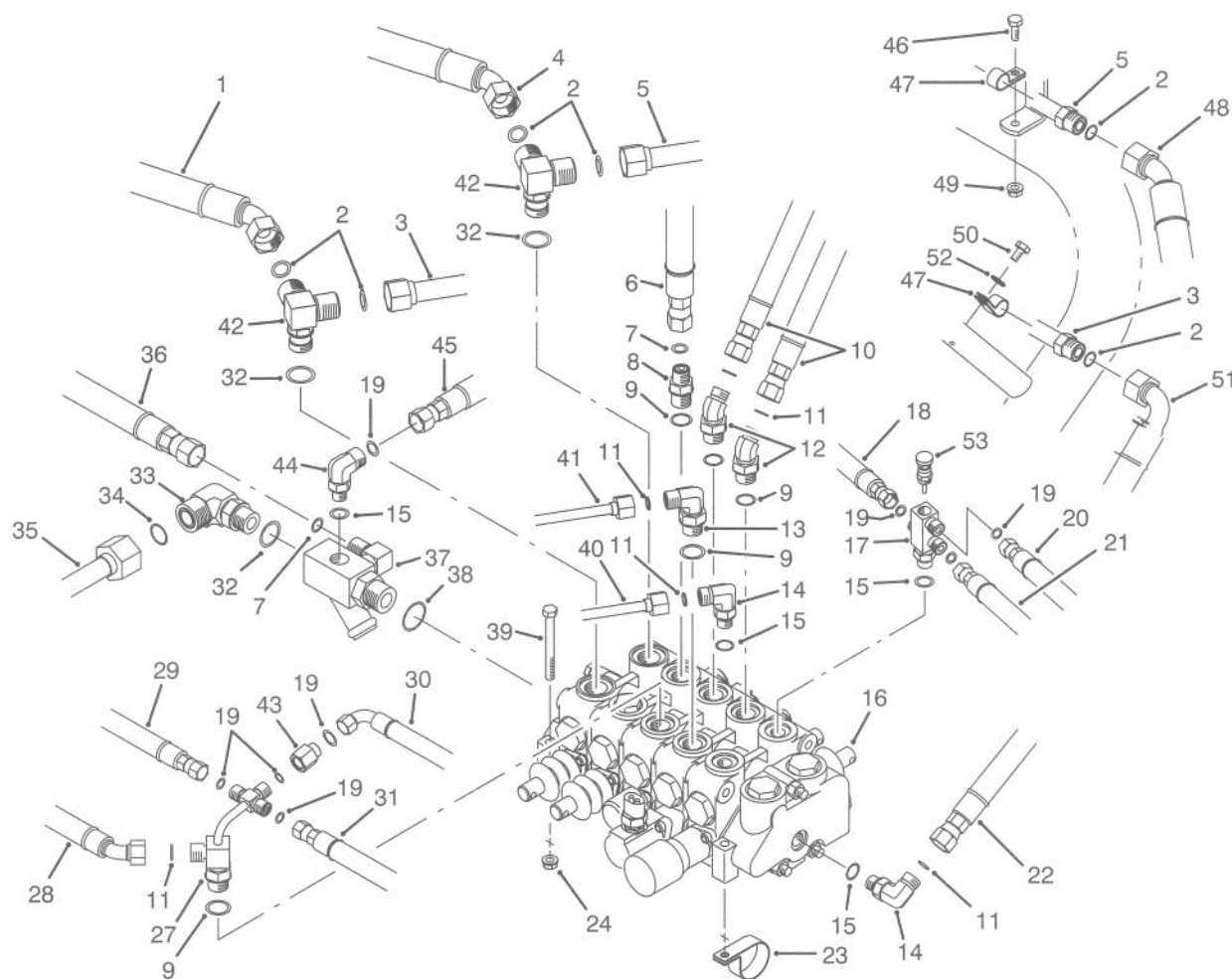


T-1287

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	83-0590	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	2
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

Ref. No.	Part No.	Description	No. Used
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1
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

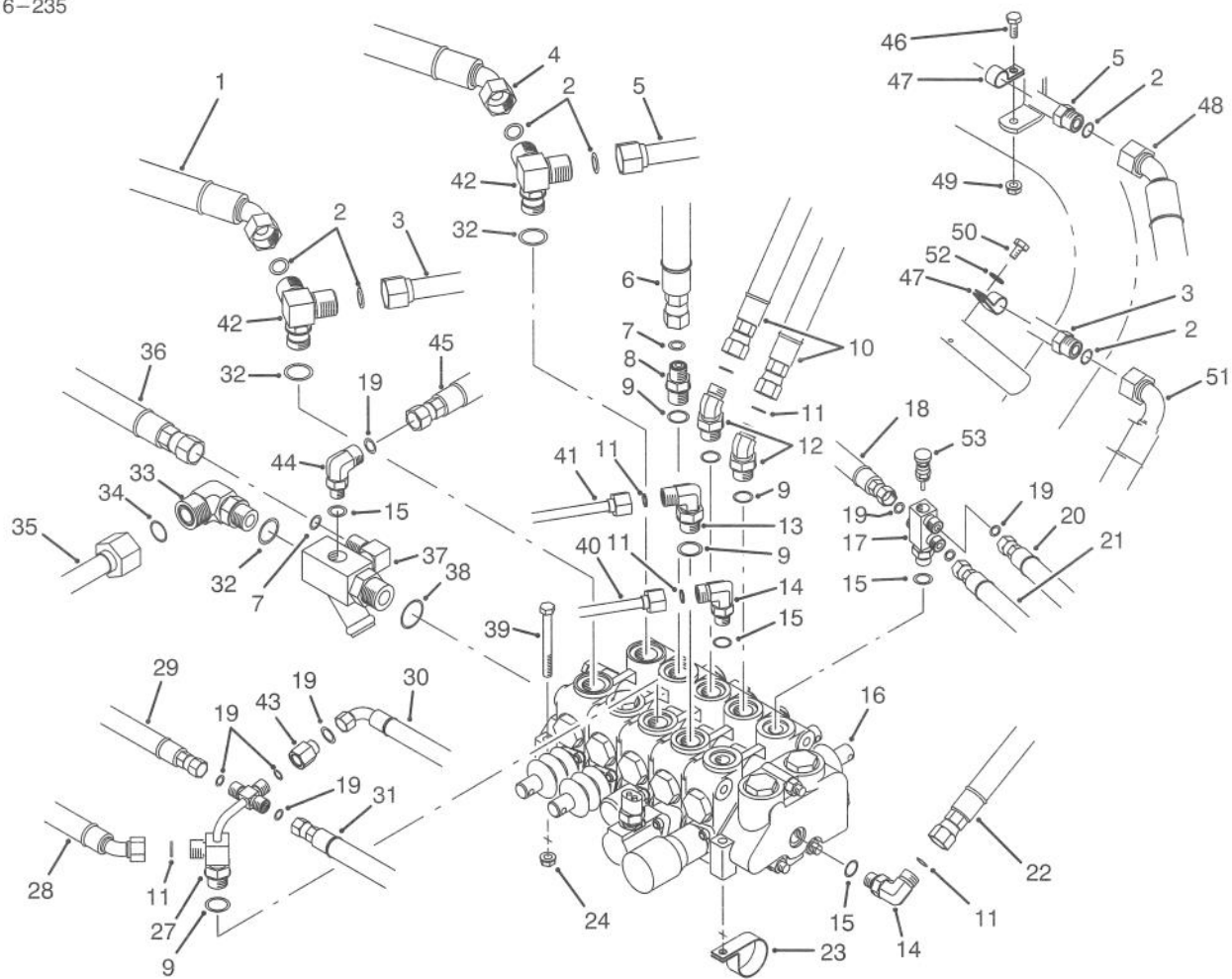


T-1670

CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	83-2450	Hose - Hydraulic	1
2	237-65	Seal - O-Ring	6
3	70-7130	Tube Assy. (Incl. Ref. #2)	1
4	83-2460	Hose - Hydraulic	1
5	83-1200	Tube Assy. (Incl. Ref. #2)	1
6	83-1189	Hose - Hydraulic	1
7	237-30	Seal - O-Ring	1
8	340-4	Fitting - Hydraulic Straight (Incl. Ref. #7 & 9)	1
9	237-79	Seal - O-Ring	4
10	83-1190	Hose - Hydraulic	2
11	237-22	Seal - O-Ring	6
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	6
16	84-2202	Control Valve Assembly	1
17	92-0587	Fitting - Valve Body (Incl. Ref. #15 & 19)	1
18	63-3880	Hose - Hydraulic	1
19	237-21	Seal - O-Ring	6
20	88-9700	Hose - Hydraulic	1
21	83-1690	Hose - Hydraulic	1
22	83-1170	Hose - Hydraulic	1

Ref. No.	Part No.	Description	No. Used
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
29	63-3880	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	340-137	Fitting - Hydraulic 45° (Incl. Ref. #15 & 19)	1
45	83-1350	Hose - Hydraulic	1



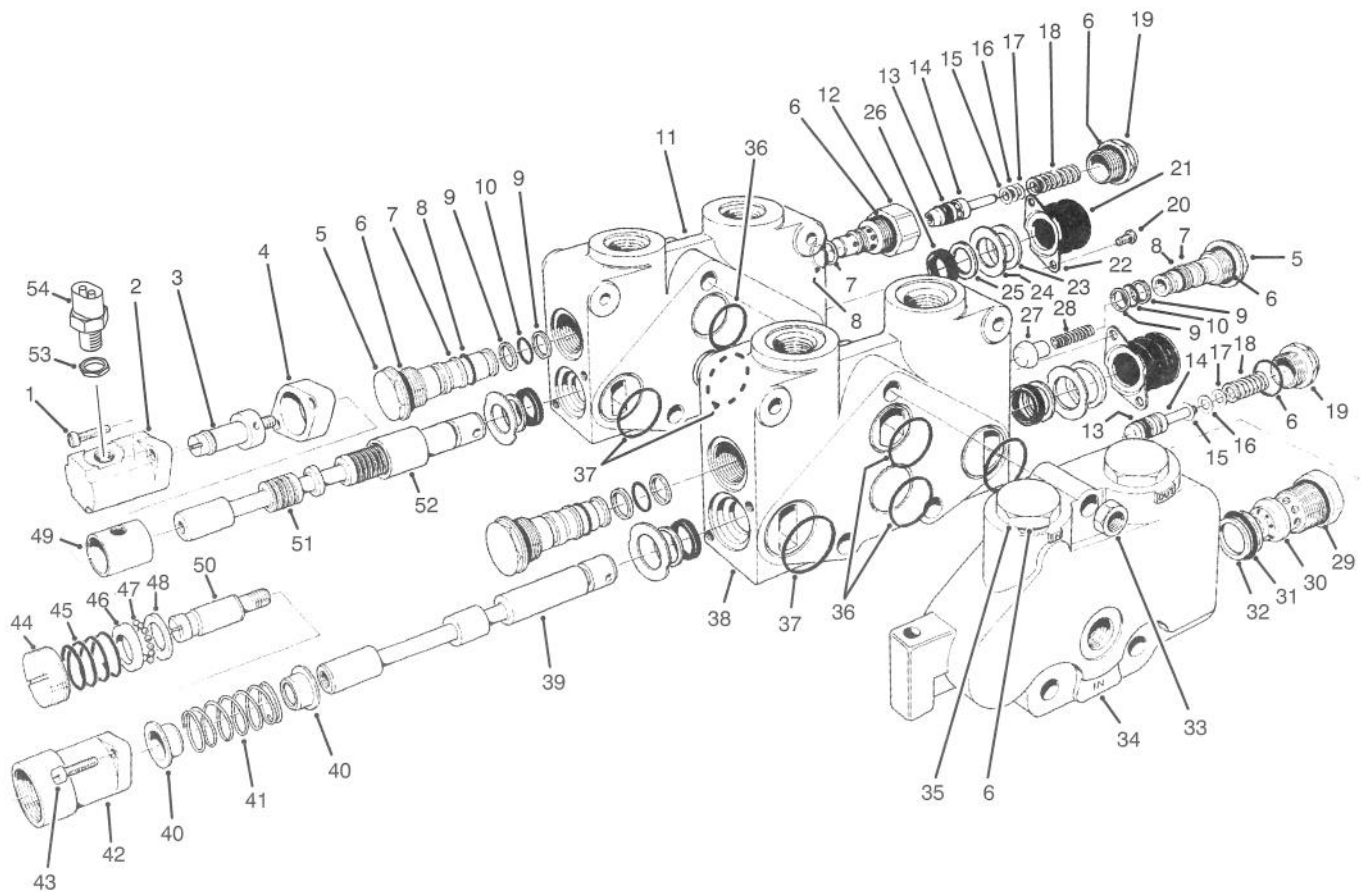
T-1670

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
46	3234-4	Screw - Cap Hex. Hd.	1
47	2412-41	Clamp-R	2
48	70-7150	Hose - Hydraulic	1
49	3296-16	Nut - Lock	1
50	12-3270	Screw - Thread Forming	1

Ref. No.	Part No.	Description	No. Used
51	70-8610	Hose - Hydraulic	1
52	3256-22	Washer - Flat	1
53	92-0588	Valve - Needle	1
*	88-9500	Needle Valve Assembly (Incl. Ref. #15, 17, 19 & 53)	1

*Not Illustrated



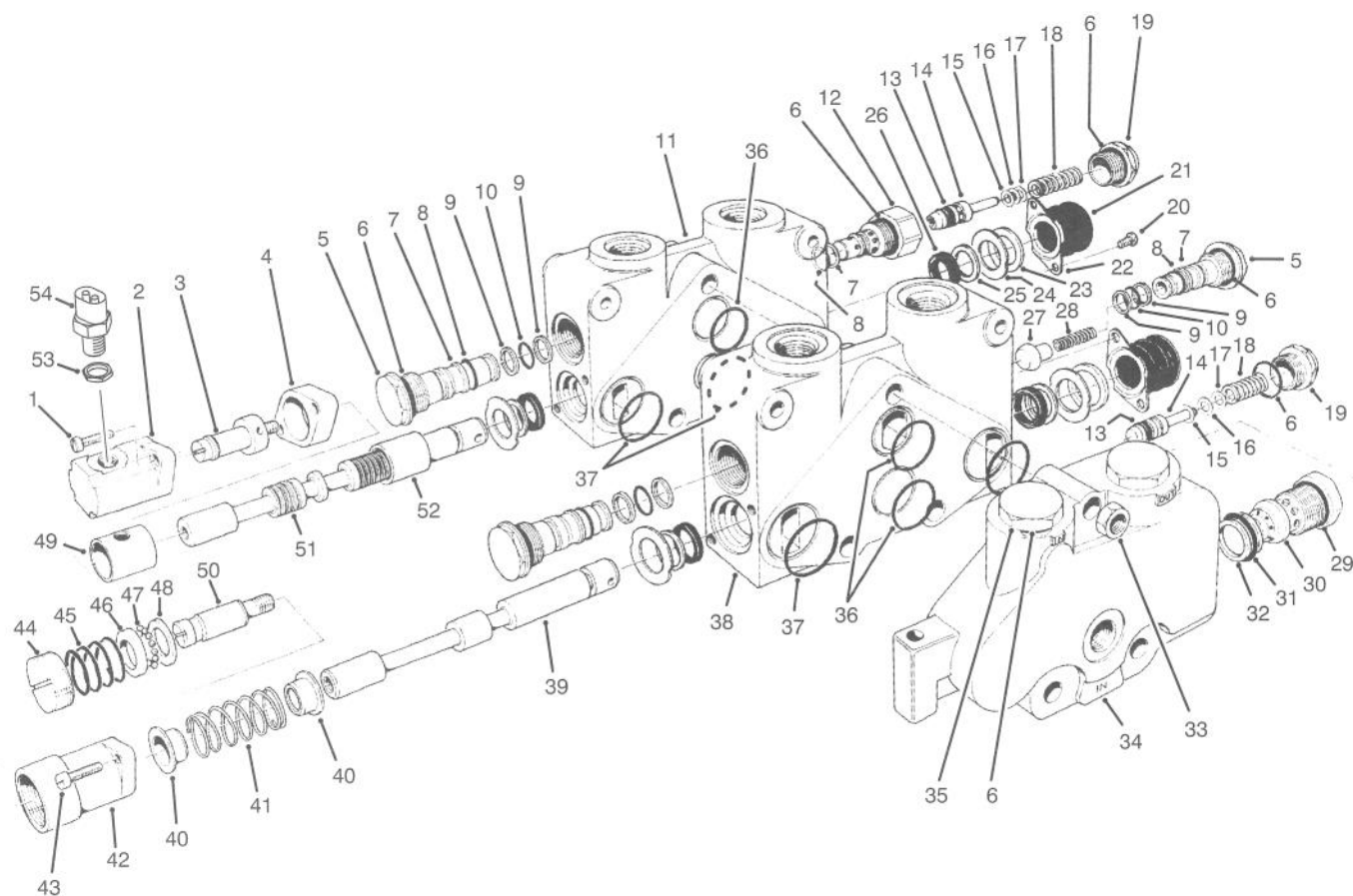
T-1318

CONTROL VALVE ASSY. NO. 84-2202 (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	353-559	Retainer - Boot	2
23	353-560	Washer - Breather	2

Ref. No.	Part No.	Description	No. Used
24	92-2547	Plate - Seal Retainer	4
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	353-780	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

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



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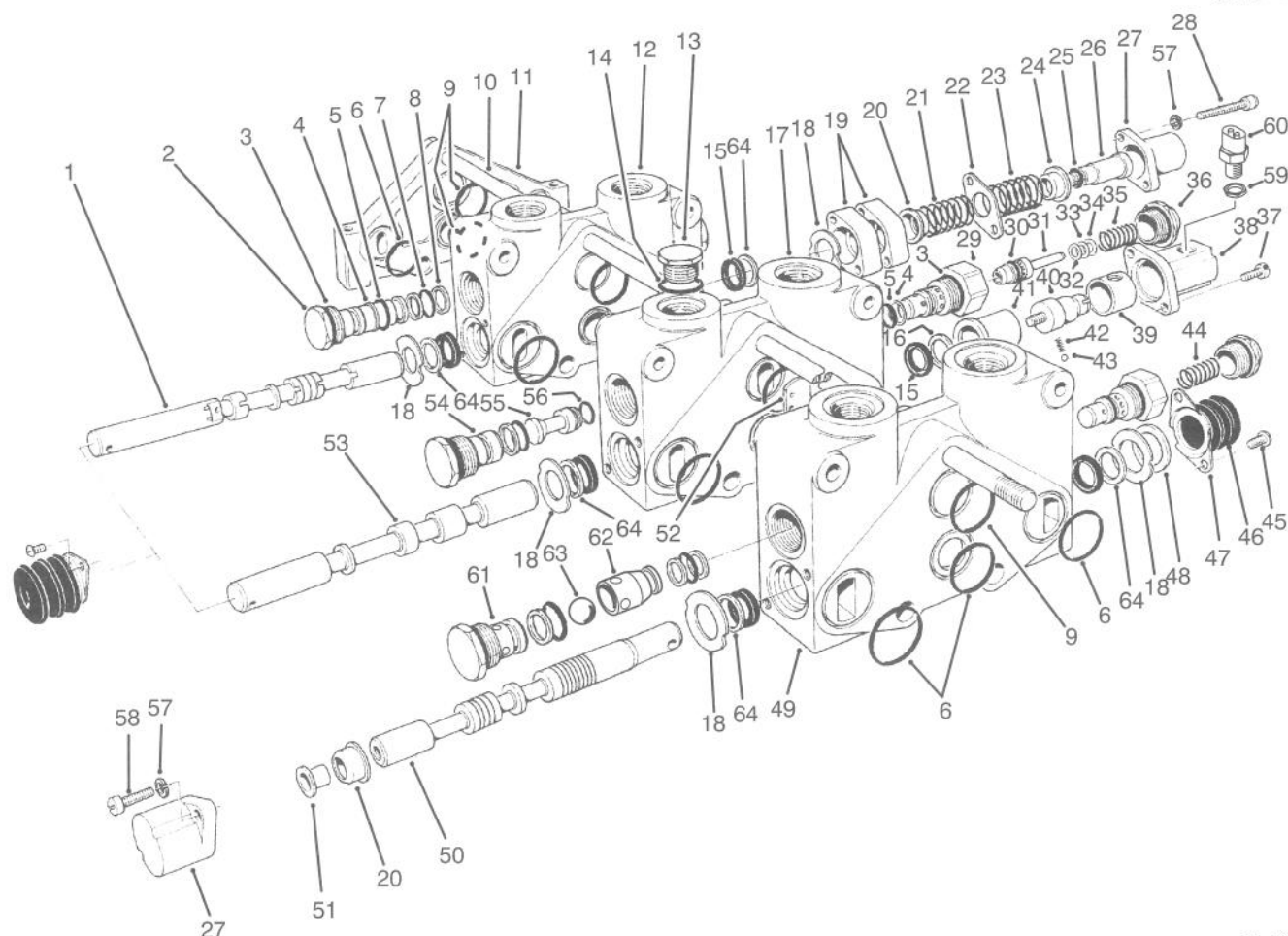
CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
48	354-29	Plate - Thrust	1
49	353-728	Sleeve	1
50	353-780	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
*	353-854	Boot - Spool Assembly (Incl. Ref. #20-23)	2
*	353-835	Seals - Section Set (Incl. Ref. #36 & 37)	1
*	92-2548	Seals - Spool (Single End Set) (Incl. Ref. #24-26)	1
*	92-2545	Seals - Spool (Entire Valve Set)	1

*Not Illustrated

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

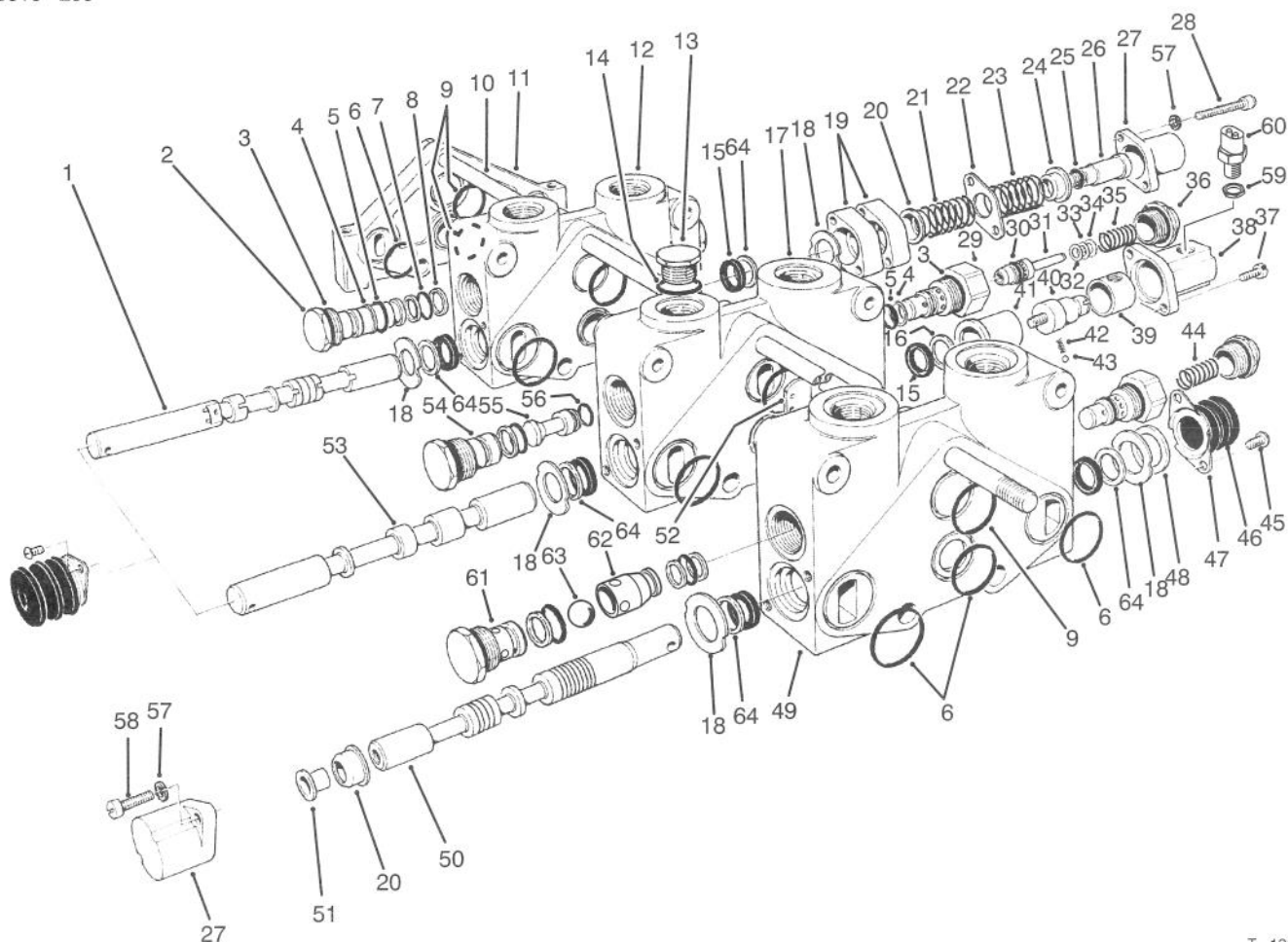


T-1319

CONTROL VALVE ASSY. NO. 84-2202 (Sections 3 Thru 5)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†1		Spool #5	1	24	353-808	Collar - Spring	1
2	353-481	Plug - Load Check (Incl. Ref. #3-5 & 7-8)	3	25	353-830	O-Ring	1
3	237-54	O-Ring	6	26	353-829	Collar Spool	1
4	353-306	Ring - Backup	5	27	354-26	Bonnet	2
5	353-305	O-Ring	5	28	354-28	Screw - Hex, Socket Hd.	2
†6		O-Ring	11	29	353-851	Body - Relief CP-RC Mod.	2
7	353-302	O-Ring	3	30	353-392	Seal - Relief Poppet PTFE	2
8	353-303	Ring - Backup	6	31	353-531	Poppet Assembly (Incl. Ref. #30)	2
†9		O-Ring	5	32	353-328	Washer - Shim	A/R
10	353-853	Bolt - Hex Hd.	3	33	353-329	Washer - Shim	A/R
11	353-668	Plate - Cap, Cover RH	1	34	353-330	Washer - Shim	A/R
12		Housing V20 #5	1	35	353-398	Spring	1
13	353-550	Plug Assembly (Incl. Ref. #14)	1	36	353-334	Cap - Relief	2
14	353-848	O-Ring	1	37	52-5900	Screw - Fillister Hd.	4
15	353-957	Seal - Lip	6	38	353-847	Bonnet (SPL)	1
16	353-958	Ring - Backup	1	39	353-849	Sleeve	1
†17		Housing V20 #4	1	40	353-846	Spud - DI (SPL)	1
18	92-2547	Plate - Seal Retainer	5	41	353-845	Sleeve - Detent	1
19	353-733	Spacer - Bonnet	2	42	353-730	Spring	1
20	353-417	Collar Spring	2	43	353-731	Ball	1
21	353-831	Spring	1	44	353-855	Spring	1
22	353-529	Plate Seal	1	45	3274-52	Screw - Hex. Socket Hd.	6
23	353-530	Spring	1	46	353-575	Boot - Dust Cap	3
				47	353-559	Retainer - Boot	3

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



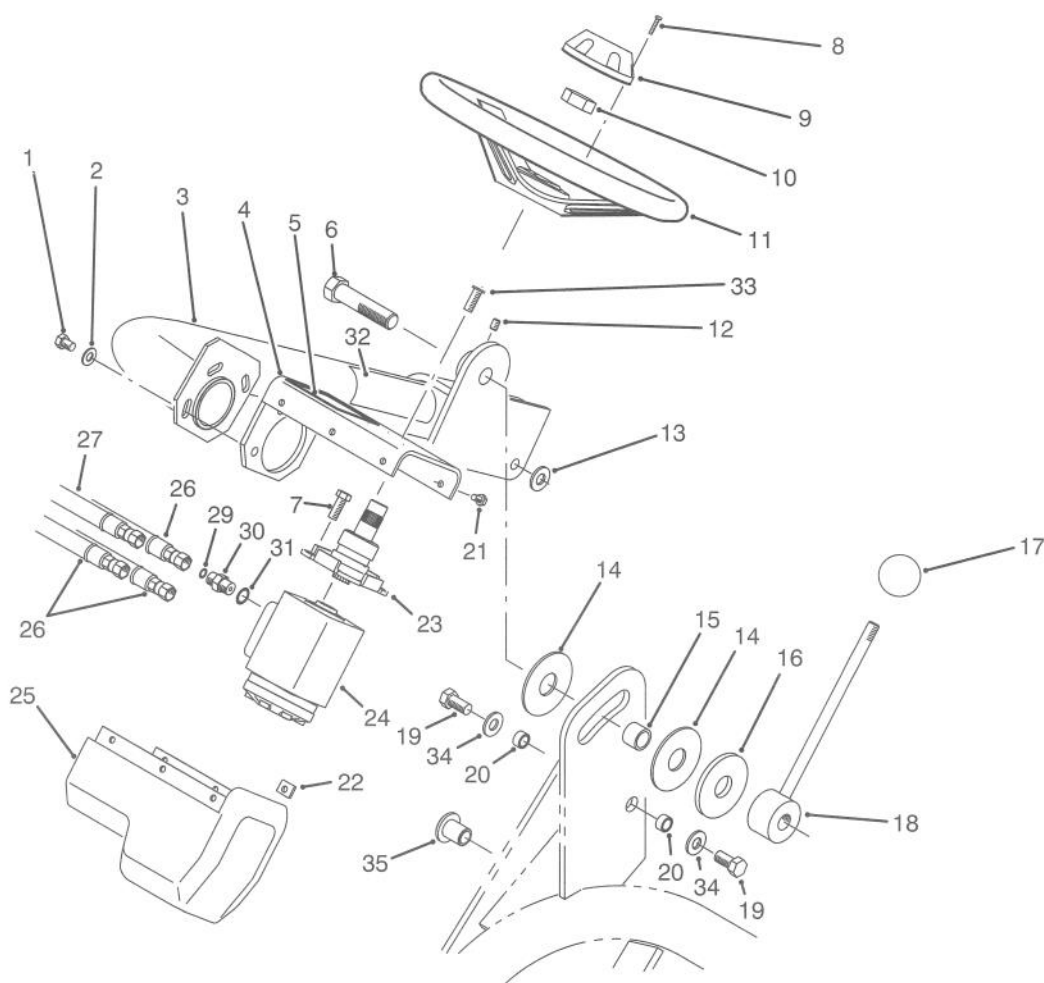
T-1319

CONTROL VALVE ASSEMBLY NO. 84-2202 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†48	353-560	Washer - Breather	3	*	353-770	Section #3 Assembly (Complete)	1
49		Housing V20 #2	1	*	354-25	Section #4 Assembly (Complete)	1
†50		Spool V20 3 Way F.F.	1	*	353-834	Section #5 Assembly (Complete)	1
51	52-5860	Collar - Spool	1	*	353-841	Position - Spool Assembly (Incl. Ref. #20 27 37 & 51)	1
52	354-122	Disc - Seal	1	*	353-840	Position - DI (SP) Assy. (Incl. Ref. #37-43)	1
†53		Spool #4	1	*	353-642	Relief - RC Mod. Assembly (Incl. Ref. #3-5 & 29-36)	1
54	353-953	Plug Assembly	1	*	353-833	Positioner Assembly (Incl. Ref. #19-28)	1
55	353-844	Plus Series (Incl. Ref. #56)	1	*	84-2202	Control Valve Assembly Complete	1
56	353-850	O-Ring	1	*	92-2548	Seals - Spool (End Set) (Incl. Ref. #15, 18 & 64)	1
57	3253-3	Washer - Lock	4	*	92-2549	Seals - Spool (End Set #4 Rear Only) (Incl. Ref. #15, 16 & 18)	1
58	3274-84	Screw - Cap, Hex. Hd.	4	*	92-2545	Seals - Spool (Entire Valve Set)	1
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				
*	353-854	Boot - Spool Assembly (Incl. Ref. #45-48)	3				

*Not Illustrated

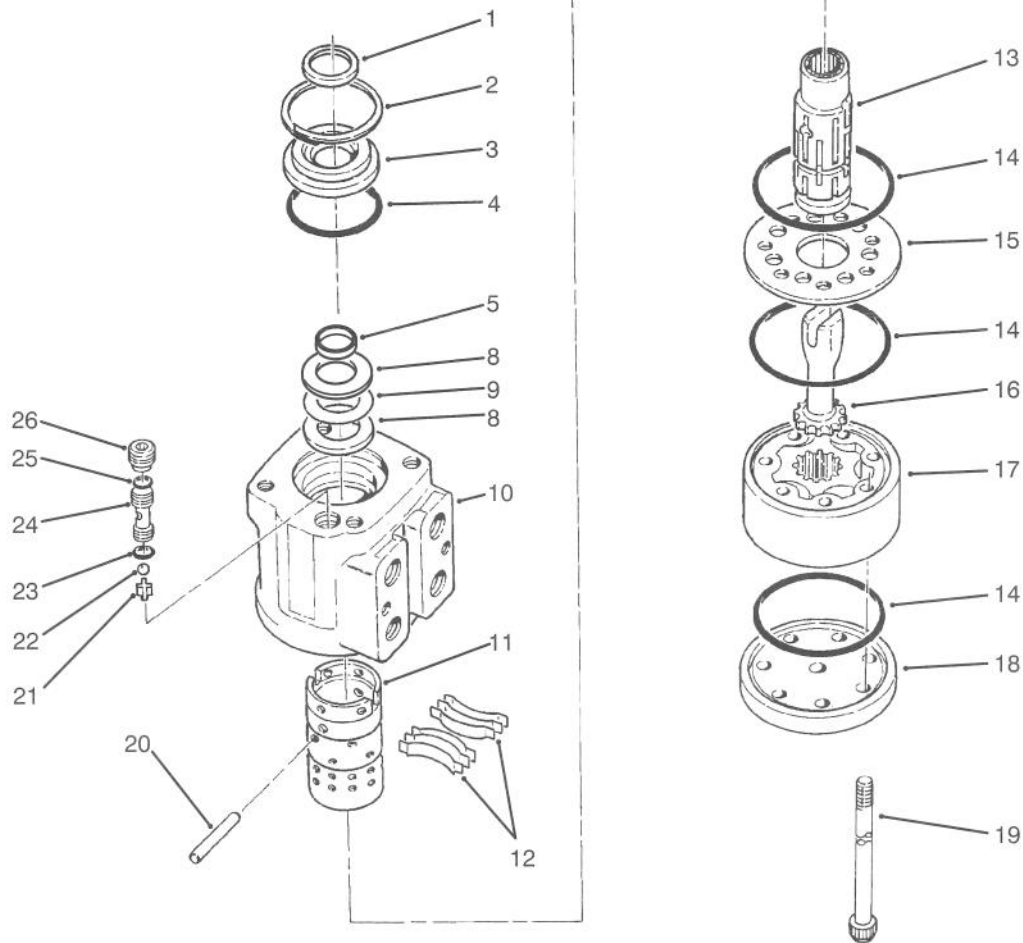
†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page



T-1291A

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	18	83-0700	Handle - Lockup	1
2	3256-80	Washer - Flat	3	19	325-4	Screw - Cap Hex. Hd.	2
3	84-8760	Arm - Steering	1	20	47-2890	Bushing - Sleeve	2
4	83-0780	Support - Steering Valve	1	21	3274-39	Screw - Cap Hex. Hd.	6
5	83-2520	Decal - Warning	1	22	3290-277	Nut - Speed	6
6	83-0750	Screw - Cap Hex. Hd. L.H.	1	23	83-1420	Column - Steering	1
7	323-4	Screw - Cap Hex. Hd.	2	24	92-8690	Steering - Valve Assembly	1
8	32144-21	Screw - Round Hd.	2	25	83-0810	Cover - Steering Valve	1
9	68-5140	Cap - Steering Wheel	1	26	84-8730	Hose - Hydraulic	2
10	47-6990	Nut - Steering Wheel	1	27	84-8740	Hose - Hydraulic	1
11	68-5130	Steering Wheel Assembly (Incl. Ref. #8 & 9)	1	29	237-21	Seal - O-Ring	4
12	3246-3	Screw - Set	1	30	340-1	Fitting - Hydraulic Straight (Incl. Ref. #29 & 31)	4
13	65-6390	Washer - Thrust	1	31	237-42	Seal - O-Ring	4
14	83-0740	Disc - Friction	2	32	83-2510	Decal - Steering Arm	1
15	83-0730	Spacer - Lockup	1	33	3274-63	Screw - Hex. Socket Hd.	2
16	83-0760	Plate - Lockup	1	34	3256-26	Washer - Flat	2
17	233-48	Knob	1	35	83-1700	Bushing - Flange	1



T-1442

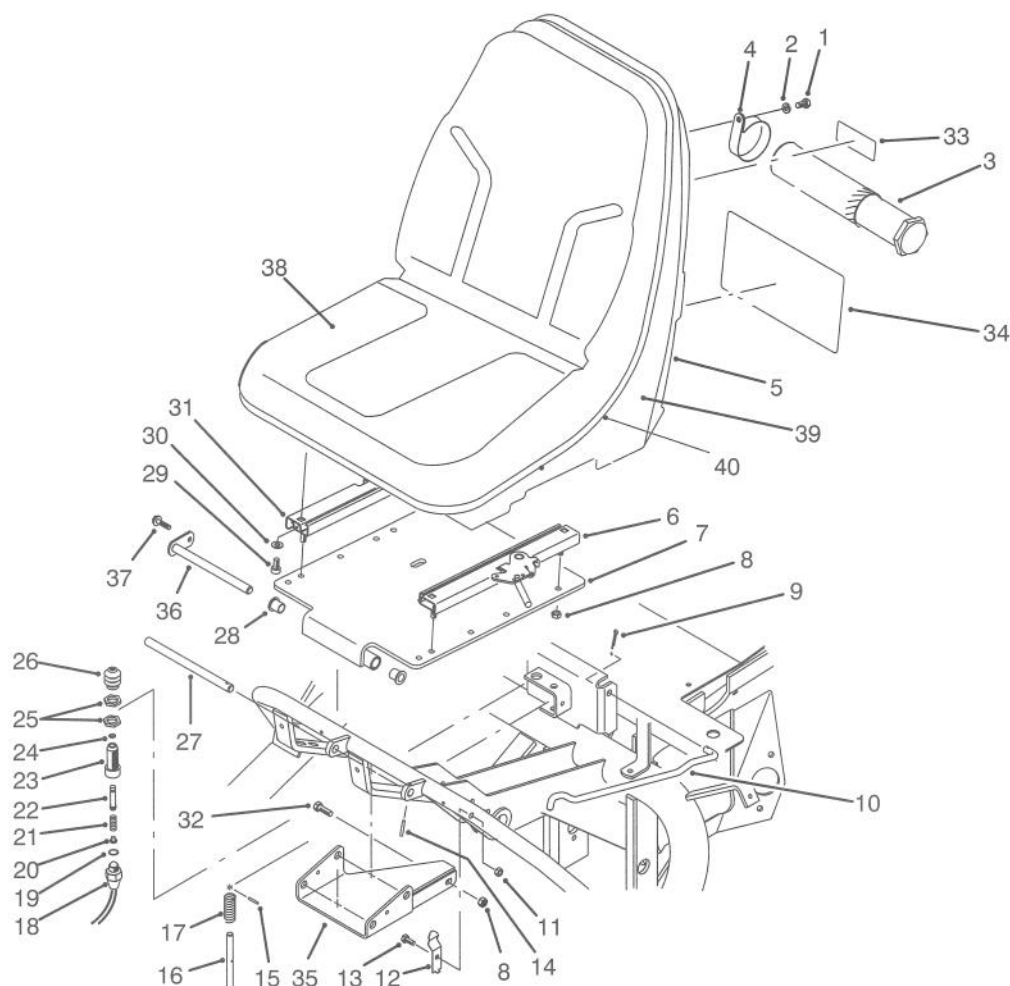
POWER STEERING VALVE NO. 92-8690

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	92-8694	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

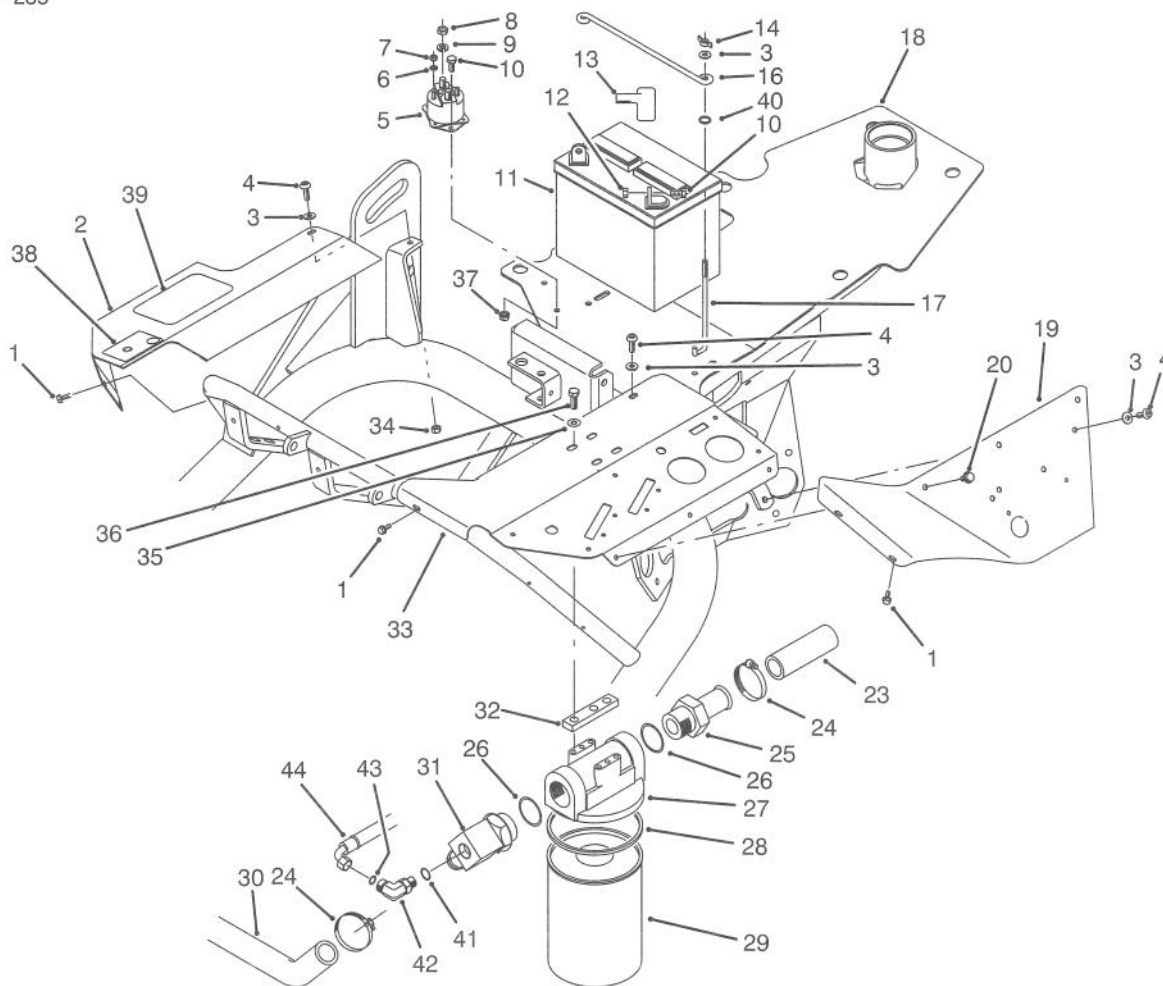


T-1445A

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-2	Screw - Cap Hex. Hd.	2	21	43-8600	Spring - Compression	1
2	3253-4	Washer - Lock	2	22	43-8860	Plunger - Switch	1
3	74-0720	Tube - Manual	1	23	43-8620	Guide - Switch	1
4	2412-133	Clamp - R	2	24	237-7	Seal - O-Ring	1
5	92-1180	Seat Assembly (Incl. Ref. #38-40)	1	25	218-461	Nut - Hex.	2
6	51-0790	Adjuster - Seat	1	26	43-8870	Boot - Switch	1
7	84-8770	Seat Support Assembly (Incl. Ref. #28)	1	27	49-5880	Shaft - Seat Support	1
8	3296-29	Nut - Lock	4	28	256-155	Bushing - Flange	2
9	3272-11	Pin - Cotter	1	29	3274-12	Screw - Hex. Socket Hd.	4
10	68-5100	Rod - Seat Prop	1	30	3256-23	Washer - Flat	4
11	3296-42	Nut - Lock	1	31	51-0780	Slider - Seat	1
12	68-5310	Clip - Seat Rod	1	32	322-3	Screw - Cap Hex. Hd.	1
13	321-3	Screw - Cap Hex. Hd.	1	33	84-3180	Decal - Hydraulic Oil	1
14	32121-16	Pin - Roll	1	34	83-2490	Decal - Service	1
15	3284-3	Pin - Groove	1	35	84-8800	Bracket	1
16	51-0350	Pin - Seat Spring	1	36	84-8700	Pivot - Seat	1
17	3-6685	Spring - Compression	1	37	32144-4	Screw - Thread Forming	1
18	72-4320	Switch - Ball	1	38	92-6533	Kit - Cushion	1
19	237-30	Seal - O-Ring	1	39	92-6534	Shell	1
20	43-8610	Seat - Ball	1	40	351-78	Edging	1
				*	43-9071	Seat Switch Assembly (Incl. Ref. #18-26)	1

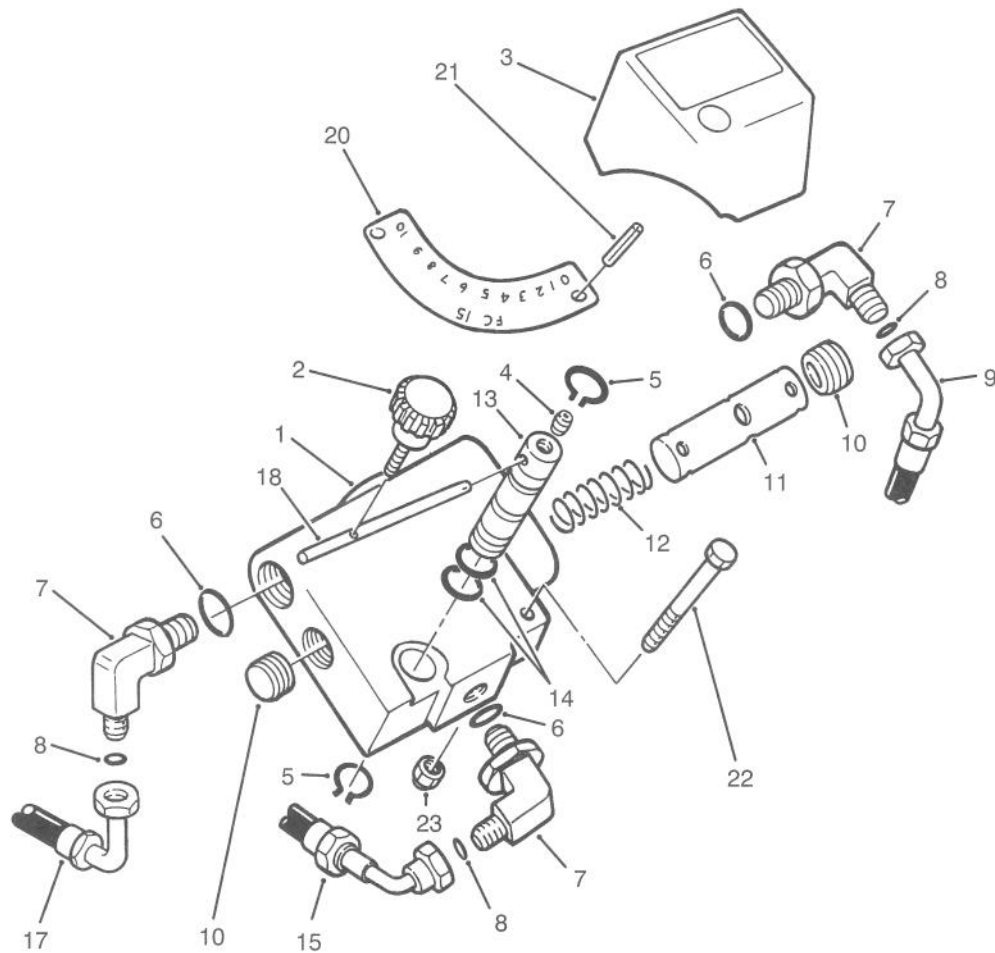
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T-1671

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw - Self Tapping	5	26	237-101	Seal - O-Ring	2
2	83-1830	Cover - R.H.	1	27	44-5560	Head - Oil Filter	1
3	3256-22	Washer - Flat	5	28	72-3850	Seal - Filter	1
4	3274-91	Screw - Hex. Socket Hd.	3	29	74-3570	Filter - Hydraulic Oil (Incl. Ref. #28)	1
5	28-4210	Solenoid - Starter	1	30	68-5880	Hose - Hydraulic	1
6	3254-1	Washer - Lock	2	31	88-9710	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
7	3219-14	Nut - Hex.	2	32	27-2380	Spacer	2
8	3218-13	Nut - Jam	2	33	83-0830	Panel - Control Upper	1
9	3253-4	Washer - Lock	2	34	3296-16	Nut - Lock	3
10	321-3	Screw - Cap Hex. Hd.	4	35	3256-23	Washer - Flat	4
11	28-1400	Battery	1	36	322-4	Screw - Cap Hex. Hd.	4
12	3217-5	Nut - Hex.	2	37	32149-2	Nut - Keps	2
13	28-8080	Boot Terminal	1	38	83-2540	Decal - Traction	1
14	32103-12	Nut - Wing	2	39	67-1300	Decal - TORO	1
16	72-4790	Hold-Down - Battery	1	40	237-143	Grommet	2
17	56-7720	Bolt - Battery	2	41	237-80	Grommet	1
18	83-0220	Frame Assembly	1	42	340-105	Fitting - Hydraulic 90° (Incl. Ref. #41 & 43)	1
19	83-0840	Fender - L.H.	1	43	237-30	Seal - O-Ring	1
20	46-8560	Screw - Self Taping	3	44	92-1188	Hose - Hydraulic	1
23	83-1430	Hose - Hydraulic	1				
24	2412-34	Clamp - Hose	2				
25	353-563	Fitting - Hydraulic Straight (Incl. Ref. #26)	1				

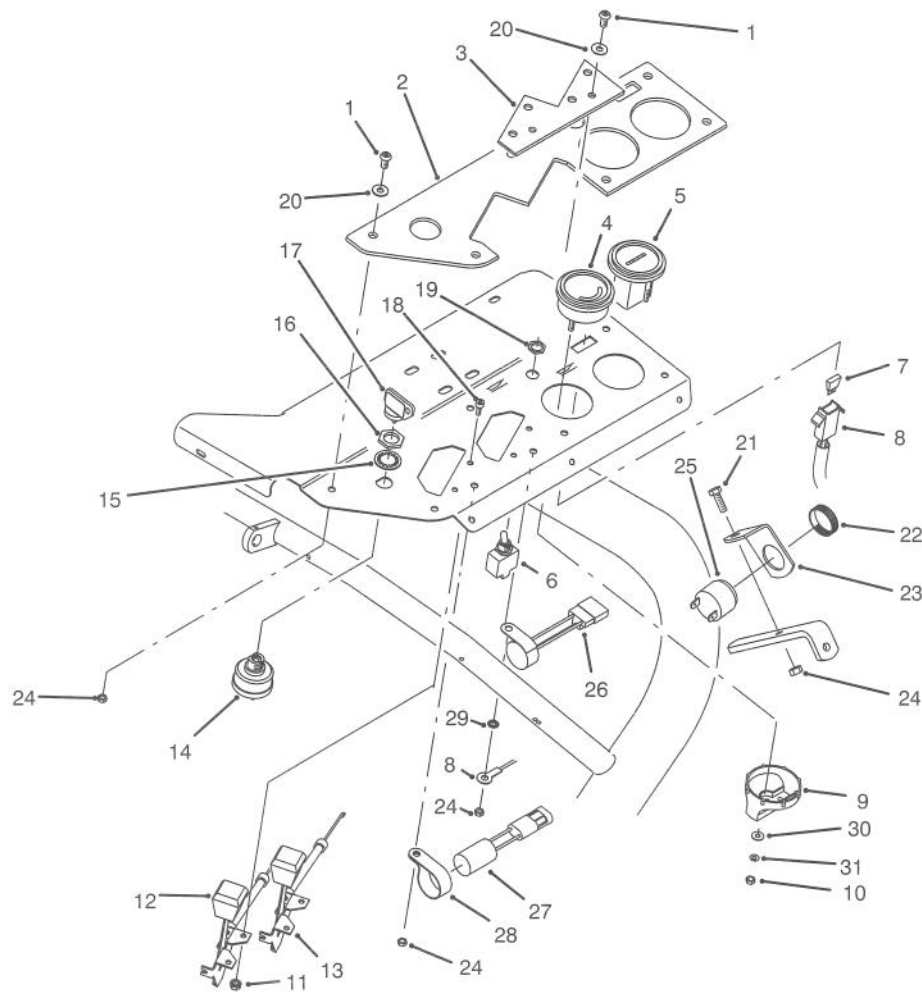


T-1441

VARIABLE TRACTION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Body – Main	1	13	66-1660	Spool – Lever Side	1
2	49-0360	Screw – Thumb	1	14	237-54	Seal – O-Ring	2
3	83-2500	Decal – Traction Control	1	15	83-2270	Hose – Hydraulic	1
4	3274-42	Screw – Set, Hex. Socket	1	17	92-1188	Hose – Hydraulic	1
5	32120-76	Ring – Snap	2	18	49-0350	Handle	1
6	237-80	Seal – O-Ring	3	20	49-0320	Plate – Dial	1
7	340-105	Elbow – 90° Adjustable (Incl. Ref. #6 & 8)	3	21	32121-4	Pin – Roll Slotted	2
8	237-30	Seal – O-Ring	3	22	321-33	Screw – Cap Hex. Hd.	2
9	92-1189	Hose – Hydraulic	1	23	3296-56	Nut – Lock	2
10	49-0300	Plug – Pipe	2	*	3290-378	Tie – Cable	3
11	49-0370	Spool – Metering	1	*	47-6640	Valve – Flow Control (Incl. Ref. #1, 2, 4, 5, 10-14, 18, 20 & 21)	1
12	49-0340	Spring – Metering	1				

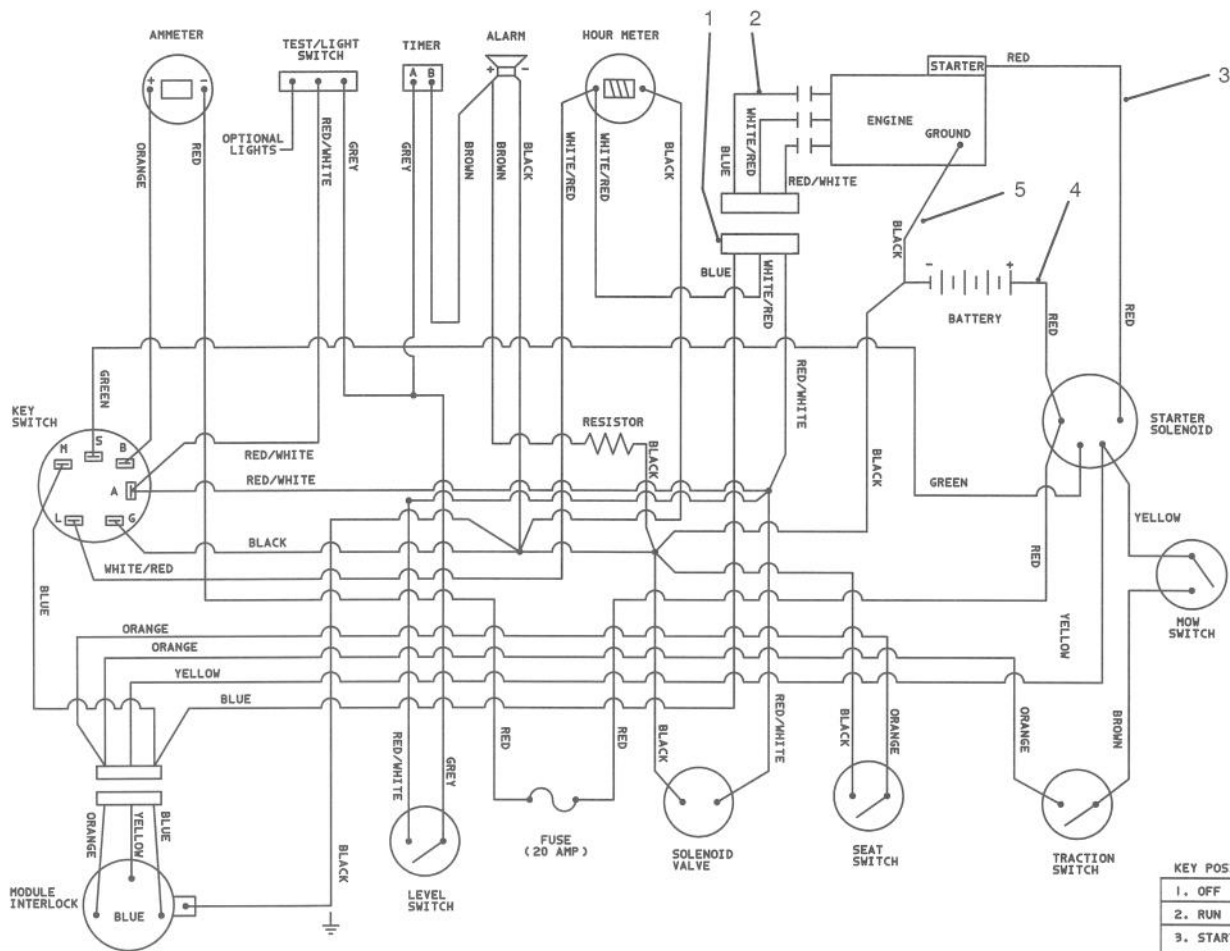
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T-1296

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	83-2570	Plate - Control Panel	1	17	63-8360	Key - Ignition	1
3	83-2030	Plate - Filler	1	18	3273-26	Screw - Hex. Socket Hd.	4
4	83-0820	Gauge - Ammeter	1	19		Nut - Hex.	2
5	66-2950	Gauge - Hourmeter	1	20	3256-1	Washer - Flat	8
6	83-1660	Switch Assembly (Incl. Ref. #19)	1	21	321-4	Screw - Cap Hex. Hd.	1
7	218-594	Fuse - 20 Amp	1	22		Retainer - Alarm	1
8	83-1100	Harness - Wire (Main)	1	23	83-1530	Bracket - Alarm	1
9	39-9600	Clamp - Mounting	1	24	3296-16	Nut - Lock	9
10	3219-14	Nut - Hex.	6	25	80-9330	Audio Alarm Assembly (Incl. Ref. #22)	1
11	3296-27	Nut - Lock	4	26	28-7890	Module - Interlock	1
12	83-0030	Control - Throttle	1	27	83-2280	Timer - Relay	1
13	83-0040	Control - Choke	1	28	2412-106	Clamp - R	1
14	83-0020	Ignition Switch Assembly (Incl. Ref. #15-16)	1	29	3255-7	Washer - Lock	1
15	3254-5	Washer - Lock	1	30	3256-21	Washer - Flat	2
				31	3254-1	Washer - Lock	2



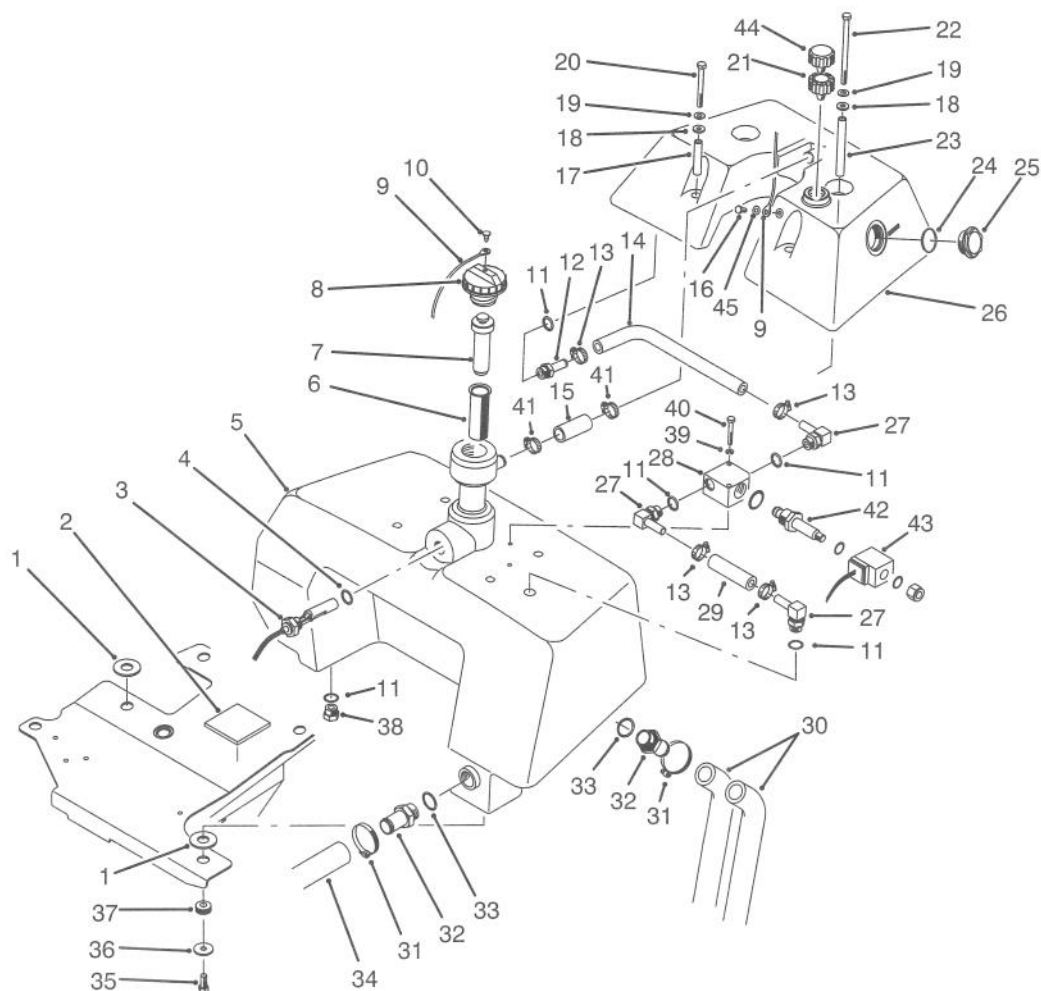
T-1301

KEY POSITION	CIRCUIT MAKE
1. OFF	G+M+A
2. RUN	B+L+A
3. START	B+L+S

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

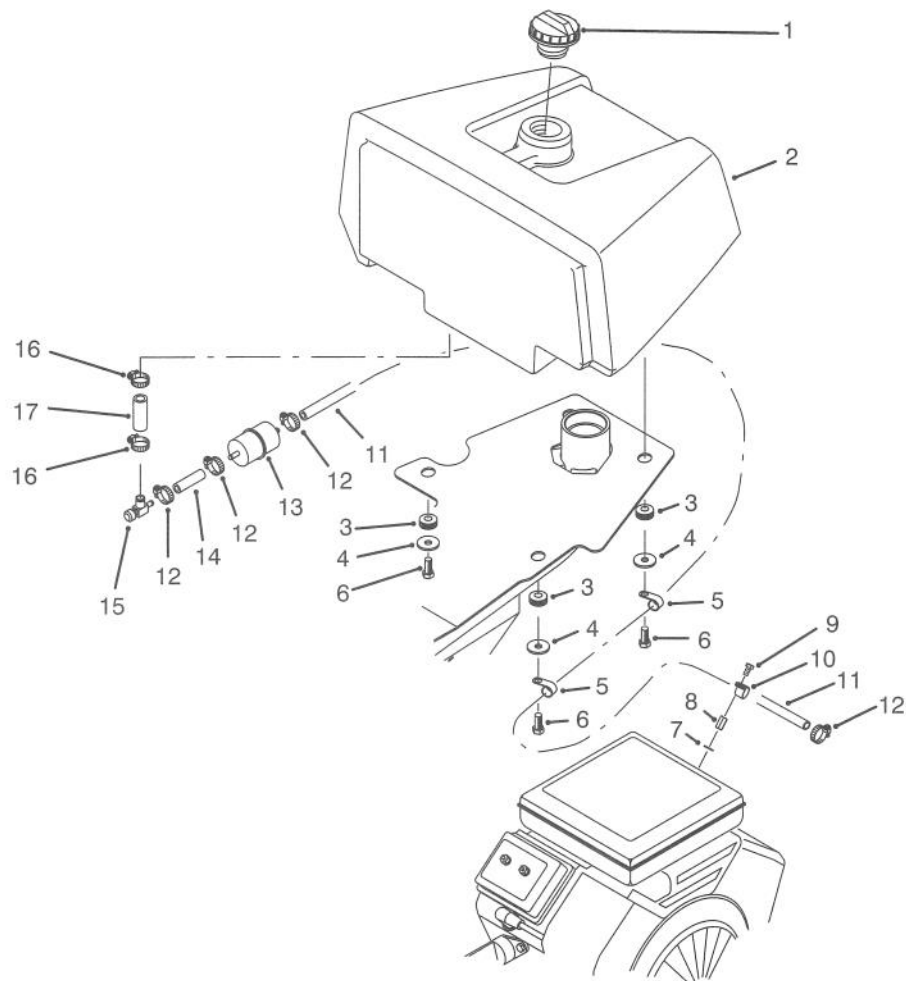


T-1289A

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	83-0860	Reservoir - Hydraulic	1
6	83-1520	Screen - Filler	1
7	92-4063	Plug - Filler Cap	1
8	70-8640	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	92-1665	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	92-1666	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

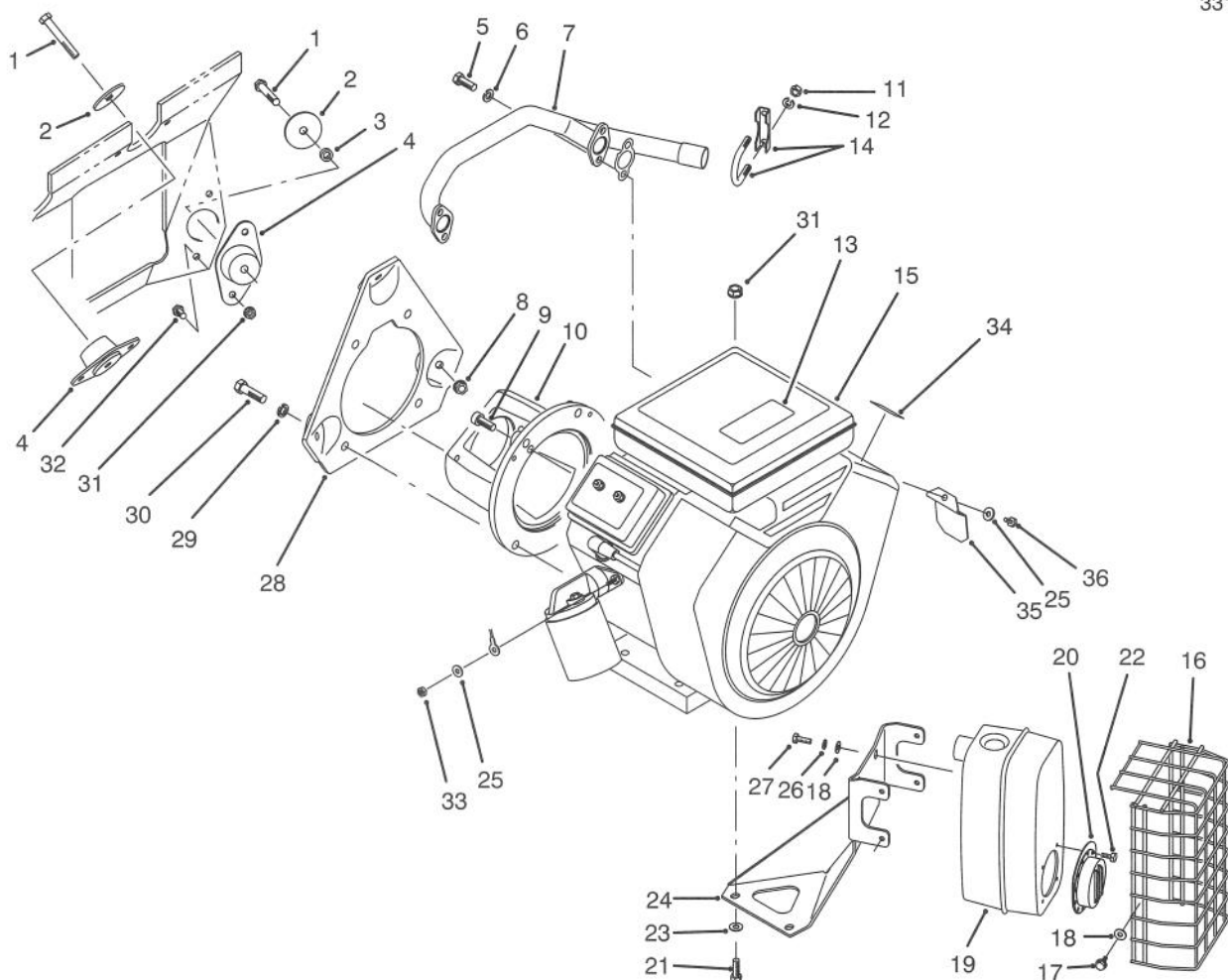


T-1317A

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70-8631	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	83-2041	Hose - Fuel	1
12	2412-108	Clamp - Hose	4
13	83-1320	Filter - Fuel	1
14	83-2040	Hose - Fuel	1
15	83-1390	Fitting - Fuel Shut-Off	1
16	2412-36	Clamp - Hose	2
17	56-2230	Hose - Fuel	1



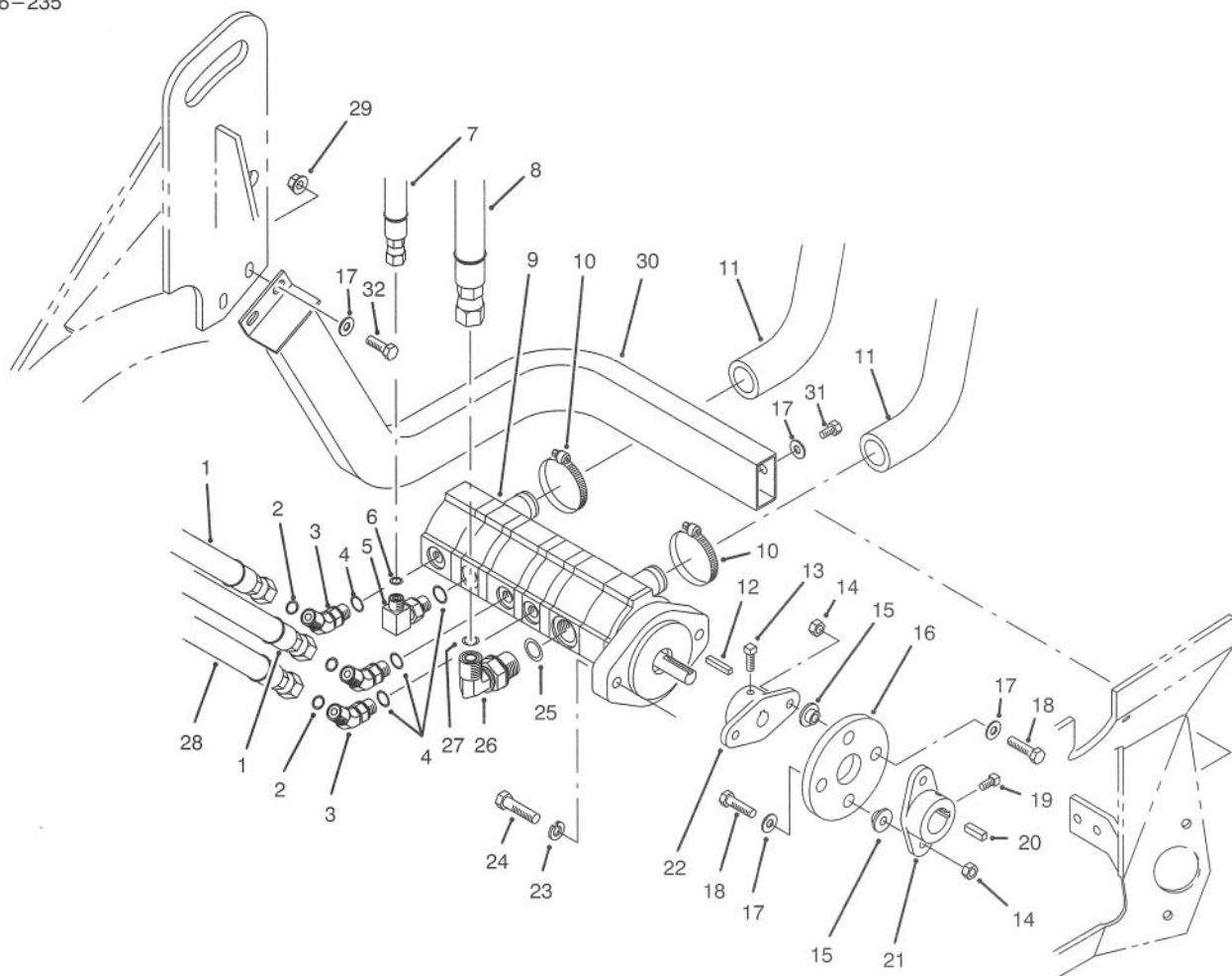
T-1293A

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
13	83-2550	Decal - Engine RPM	1
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	32144-4	Screw - Hex. Washer Hd.	4
18	3256-1	Washer - Flat	8
19	83-1230	Muffler	1
*	83-2240	Arrestor - Spark (Optional)	1

Ref. No.	Part No.	Description	No. Used
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	83-2560	Decal - Warning Hot	1
35	83-2310	Shield	1
36	48-7620	Screw - Cap Hex. Hd.	1
*	3290-378	Tie - Cable	2
*	250-6	Tie - Cable	2

*Not Illustrated

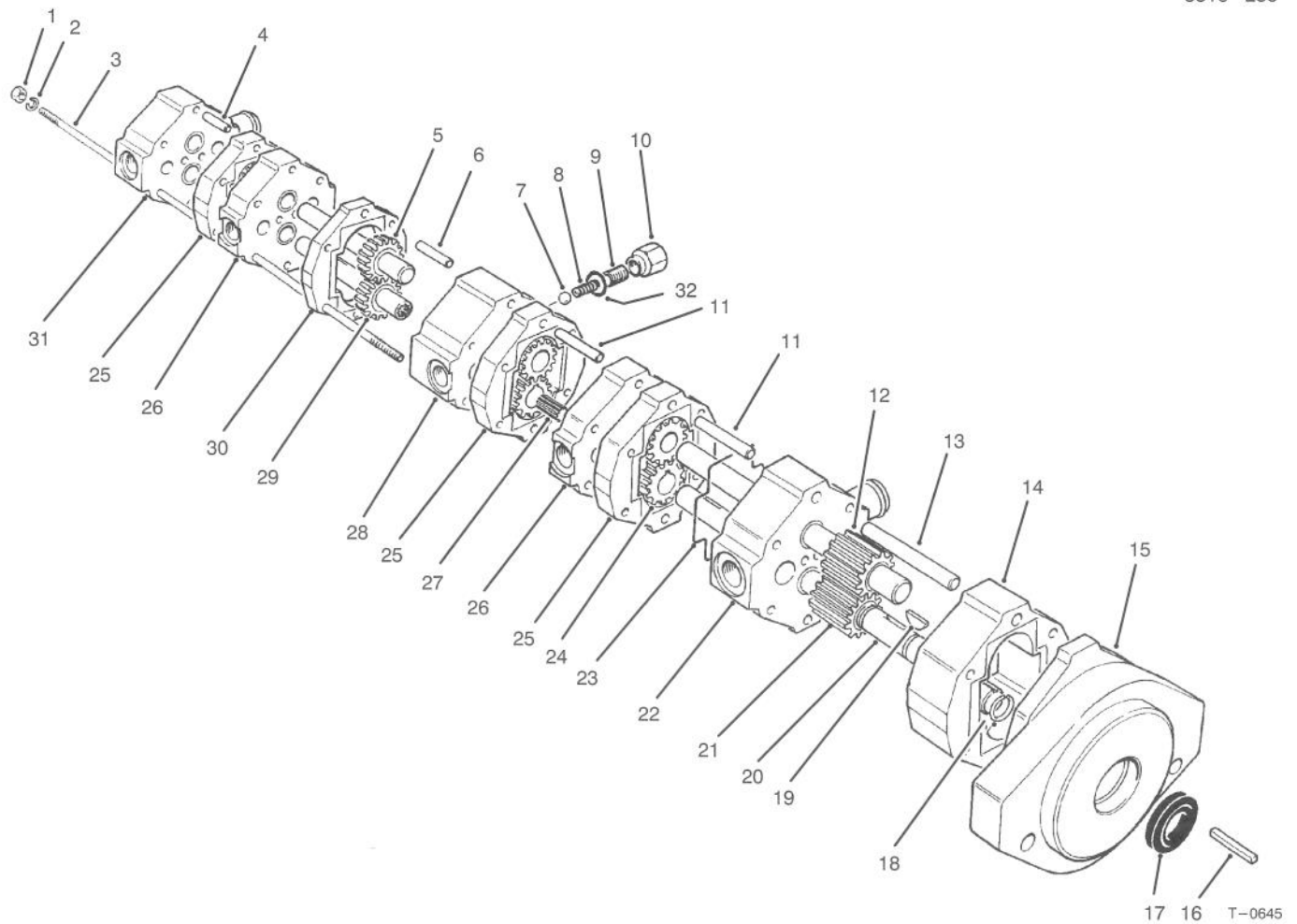


T-1292

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	84-8730	Hose - Hydraulic	1
8	83-2270	Hose - Hydraulic	1
9	68-4940	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

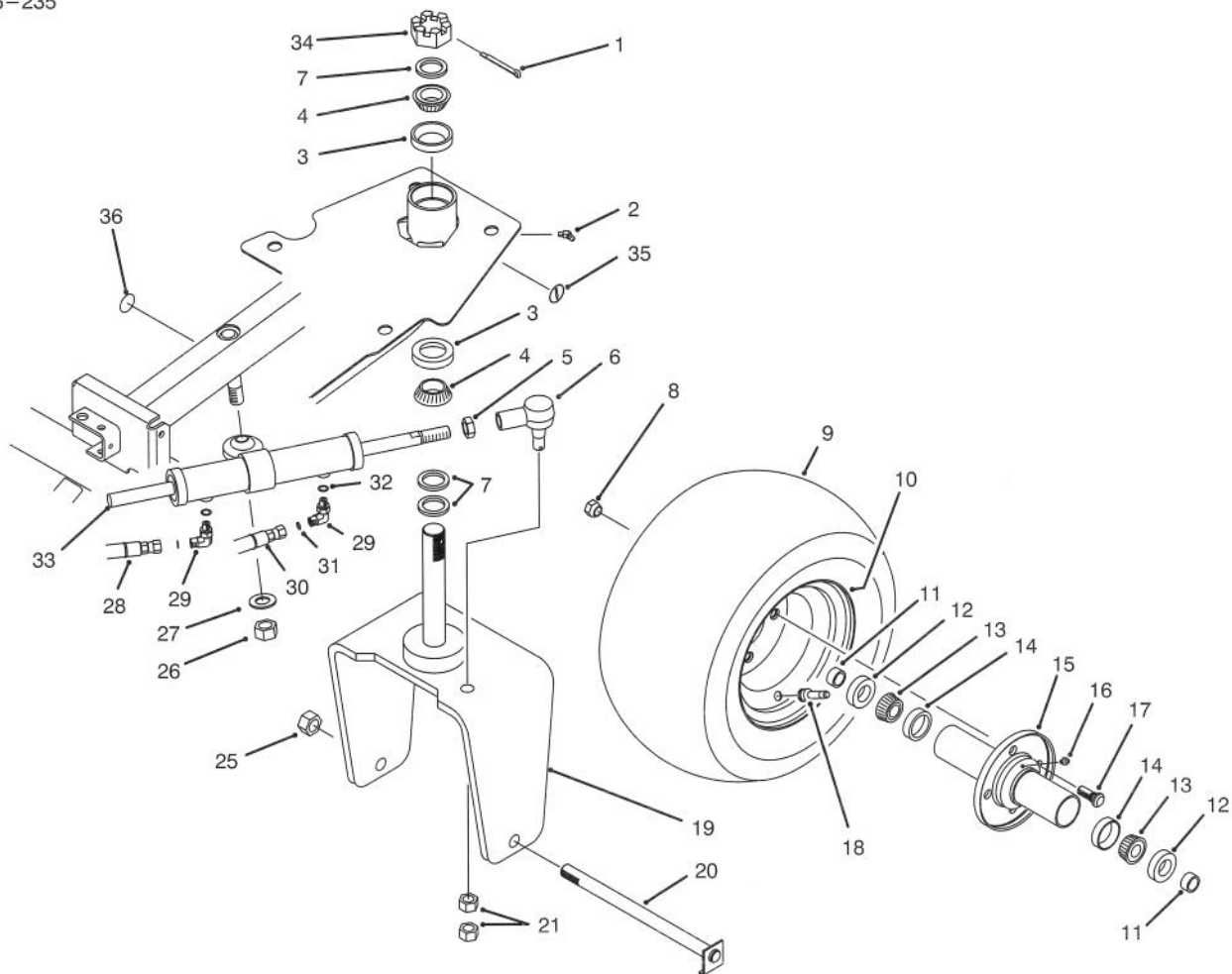
Ref. No.	Part No.	Description	No. Used
16	44-2230	Coupling - Rubber	1
17	3256-23	Washer - Flat	8
18	322-6	Screw - Cap Hex. Hd.	4
19	3241-2	Screw - Set Square Hd.	2
20	10-7070	Key - Square	1
21	27-1960	Hub - Engine	1
22	27-1970	Hub - Pump	1
23	3253-21	Washer - Lock	2
24	323-8	Screw - Cap Hex. Hd.	2
25	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 68-4940

Ref. No.	Part No.	Description	No. Used
1	3217-6	Nut - Lock	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	354-10	Idler Shaft - Gear Assy.	1
13	354-14	Pin - Dowel	2
14	353-971	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	354-1	Shaft - Drive	1
21	353-964	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

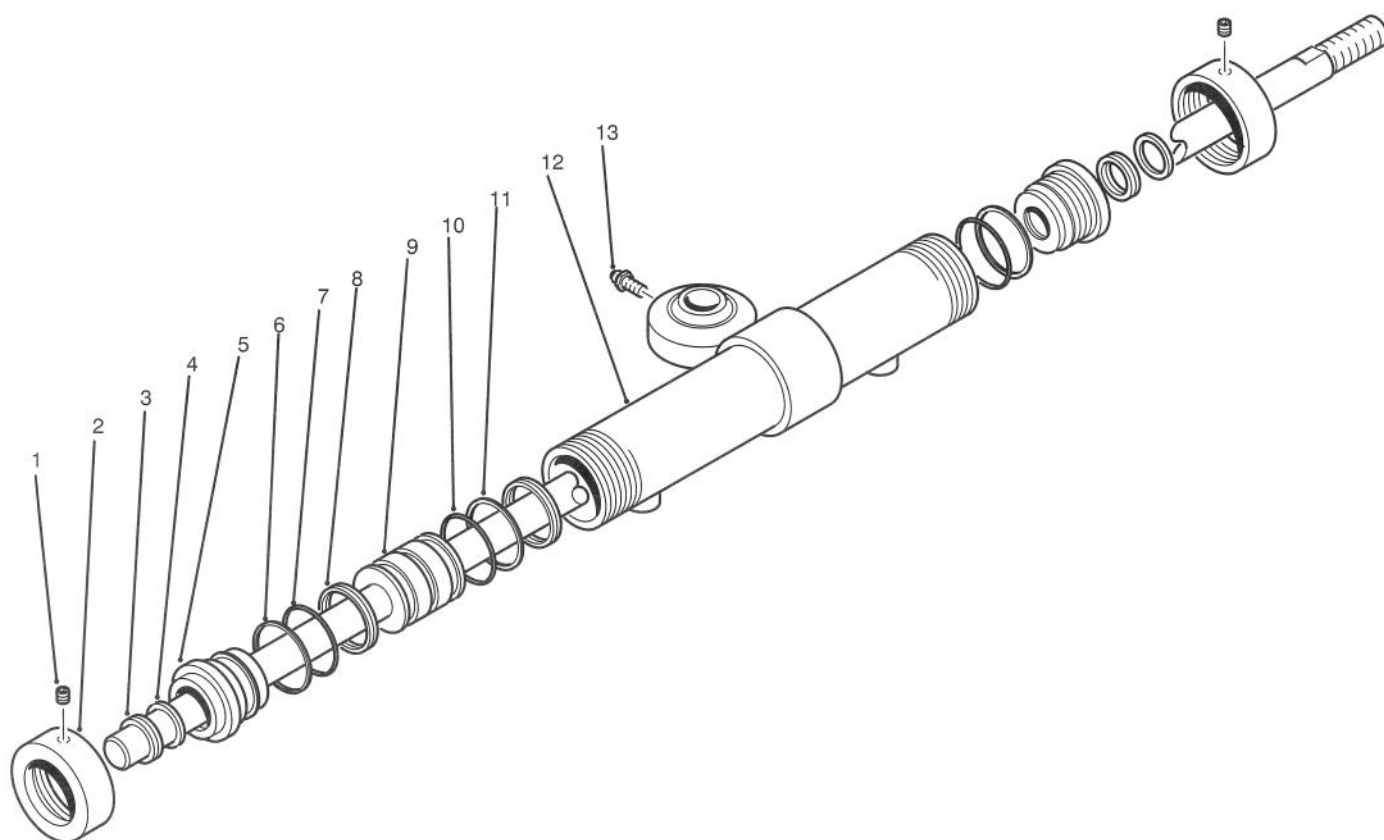


T-1288

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1
2	302-11	Fitting - Grease	1
3	254-61	Cup - Bearing	2
4	254-70	Cone - Bearing	2
5	84-5300	Nut - Jam	1
6	83-1640	Rod End Assembly	1
7	18-6320	Washer - Steering	3
8	242-50	Nut - Lug	4
9	28-3680	Tire	1
10	217-60	Rim	1
11	74-3730	Spacer - Hub	2
12	253-111	Seal - Shaft	2
13	254-78	Cone - Bearing	2
14	254-79	Cup - Bearing	2
15	75-9440	Hub - Wheel	1
16	302-55	Fitting - Grease	1
17	10-6830	Stud - Drive	4

Ref. No.	Part No.	Description	No. Used
18	232-24	Valve Stem w/Cap	1
19	83-0930	Fork - Castor	1
20	5-3934	Bolt - Castor	1
21	3220-6	Nut - Jam	2
25	3296-67	Nut - Lock	1
26	3217-12	Nut - Lock	1
27	3256-28	Washer - Flat	1
28	84-8730	Hose - Hydraulic	1
29	340-132	Fitting - Hydraulic 90° (Incl. Ref. #31 & 32)	2
30	84-8740	Hose - Hydraulic	1
31	237-21	Seal - O-Ring	2
32	237-78	Seal - O-Ring	2
33	83-2330	Hydraulic Cylinder Assy.	1
34	32136-9	Nut - Hex. Slotted	1
35	58-6520	Decal - Grease	2



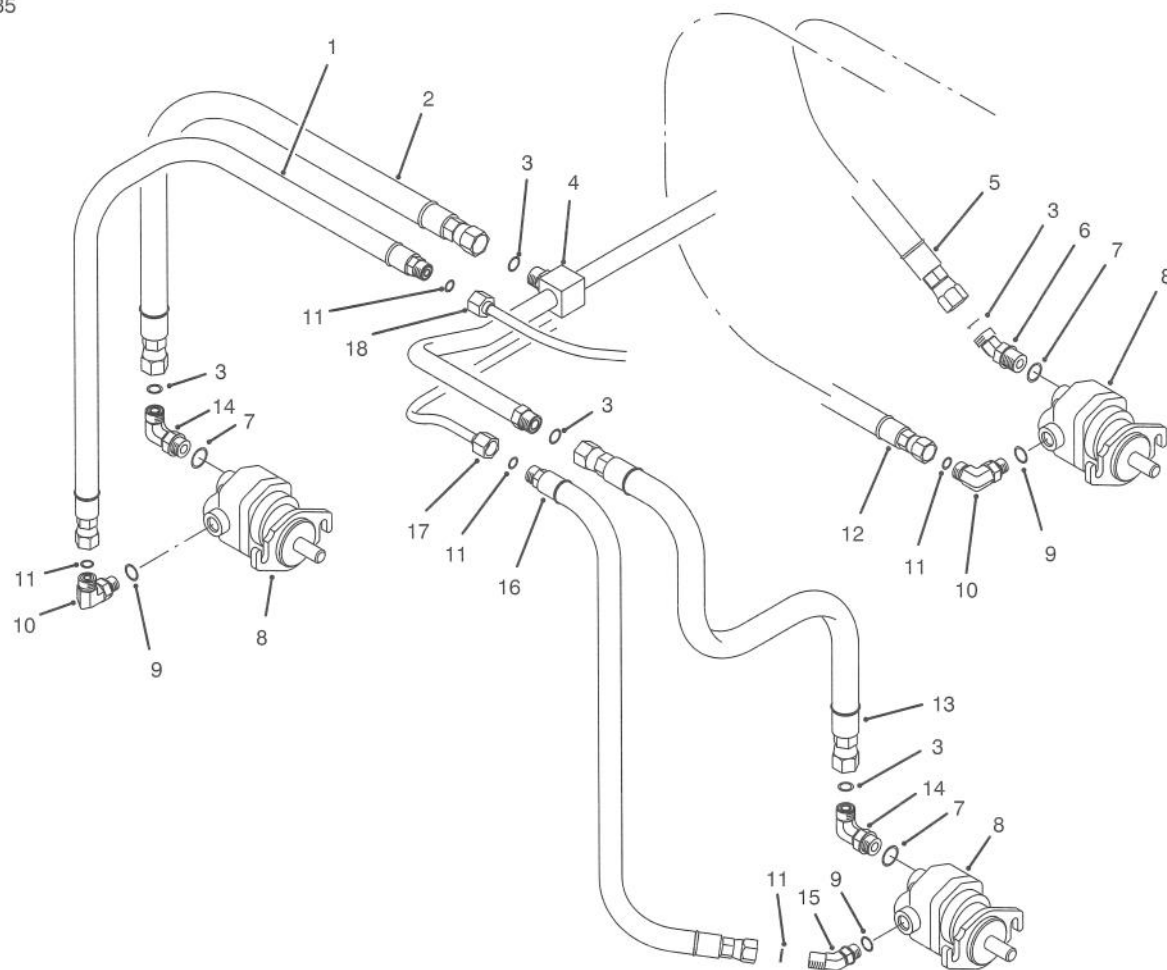
T-1313

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

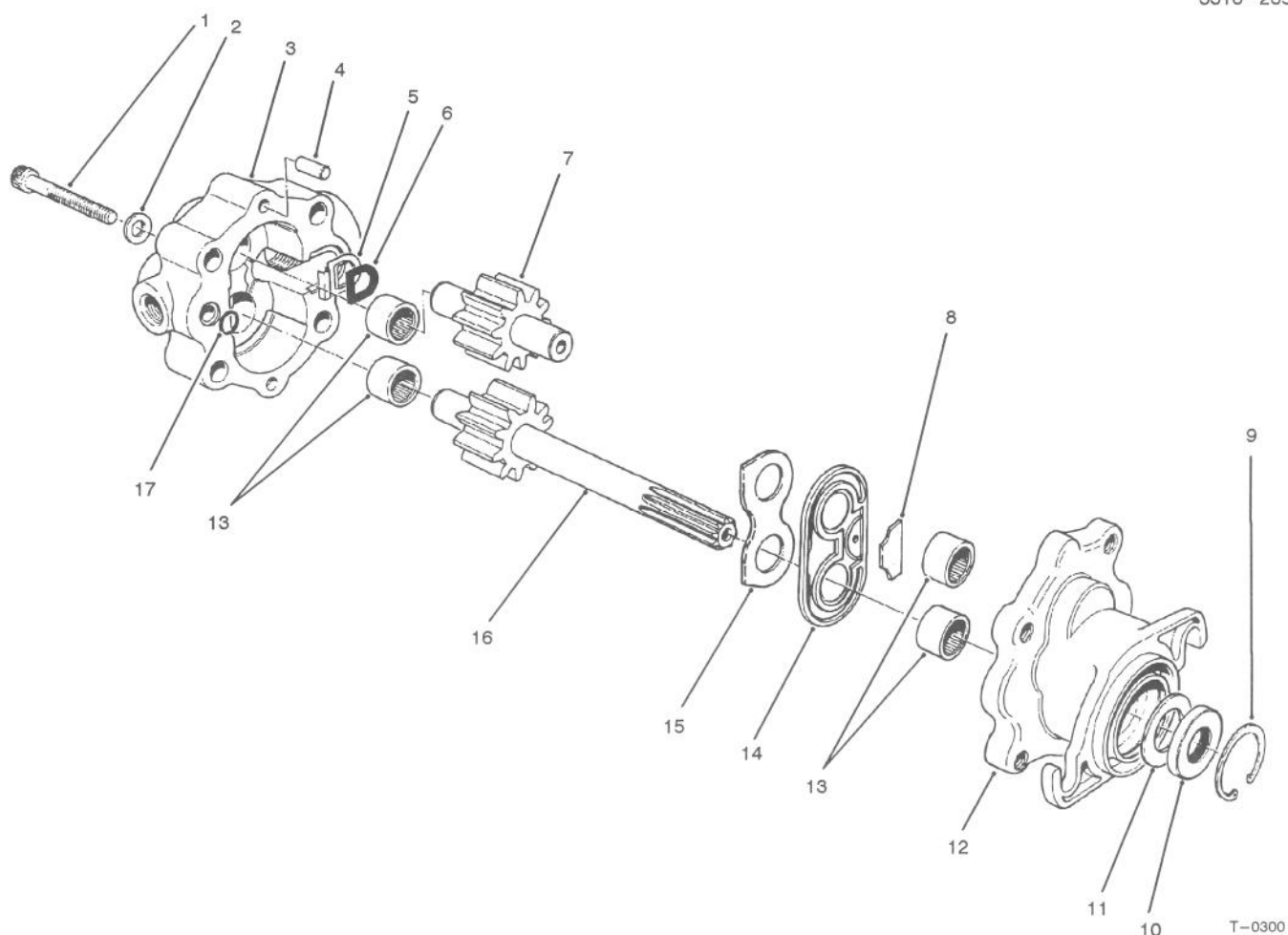


T-1297

REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-3810	Hose - Hydraulic	1
2	63-3820	Hose - Hydraulic	1
3	237-30	Seal - O-Ring	5
4	63-4040	Hydraulic Tube Assembly (Incl. Ref. #3)	1
5	63-3840	Hose - Hydraulic	1
6	340-101	Fitting - Hydraulic 45° (Incl. Ref. #3 & 7)	1
7	237-79	Seal - O-Ring	3
8	70-9800	Reel Motor Assembly	3
9	237-42	Seal - O-Ring	3
10	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2

Ref. No.	Part No.	Description	No. Used
11	237-22	Seal - O-Ring	5
12	74-3830	Hose - Hydraulic	1
13	63-3830	Hose - Hydraulic	1
14	340-98	Fitting - Hydraulic 90° (Incl. Ref. #3 & 7)	2
15	340-87	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	1
16	63-3870	Hose - Hydraulic	1
17	63-4020	Tube - Hydraulic	1
18	63-4030	Tube - Hydraulic	1
*	3290-379	Tie - Cable	3
*	3290-378	Tie - Cable	15



T-0300

REEL MOTOR NO. 70-9800

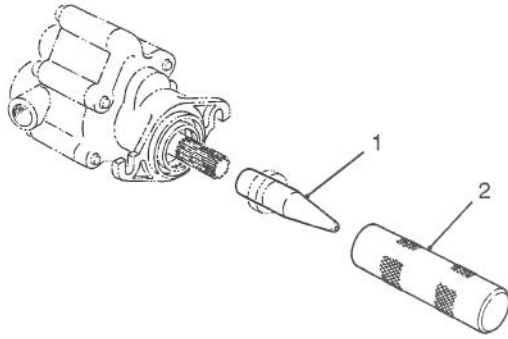
Ref. No.	Part No.	Description	No. Used
1	353-601	Screw - Hex Socket Hd.	4
2	353-600	Washer	4
3	353-588	Cover - Motor	1
4	353-599	Pin - Dowel	2
5	353-597	Bridging - Insert	1
6	353-598	Gasket - Insert	1
7	353-593	Idler Gear Assembly	1
8	353-591	Block - Anti-Extrusion	1
9	32151-41	Ring - Retaining	1
10		Seal - Shaft	1
11		Spacer	1
12	353-777	Body - Motor (Incl. Ref. #13)	1

Ref. No.	Part No.	Description	No. Used
13	353-586	Bearing - Needle	4
14	353-594	Seal Assembly	1
15	353-595	Plate - Wear	1
16	353-592	Drive Shaft Assembly	1
17	353-596	O-Ring	1
*	72-4380	Seal Kit (Incl. Ref. #9-11)	1
*	72-4390	Repair Kit (Incl. Ref. #5, 6, 8-11, 14, 15 & 17)	
*		Seal Installer	1
*		Seal Protector	1

*Not Illustrated

SPECIAL TOOLS

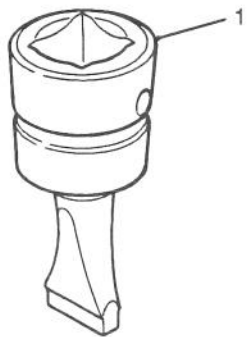
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

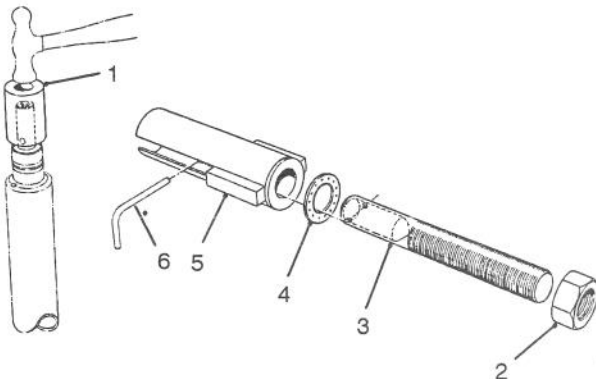
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

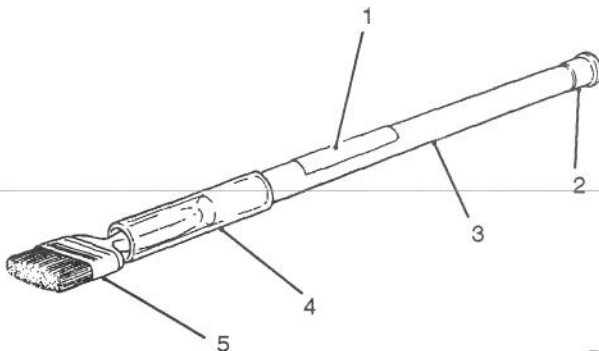
BEARING REPLACEMENT TOOL KIT NO. TOR238900



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



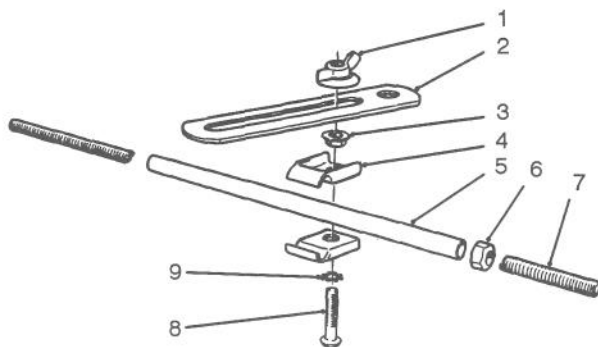
T-0731

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)

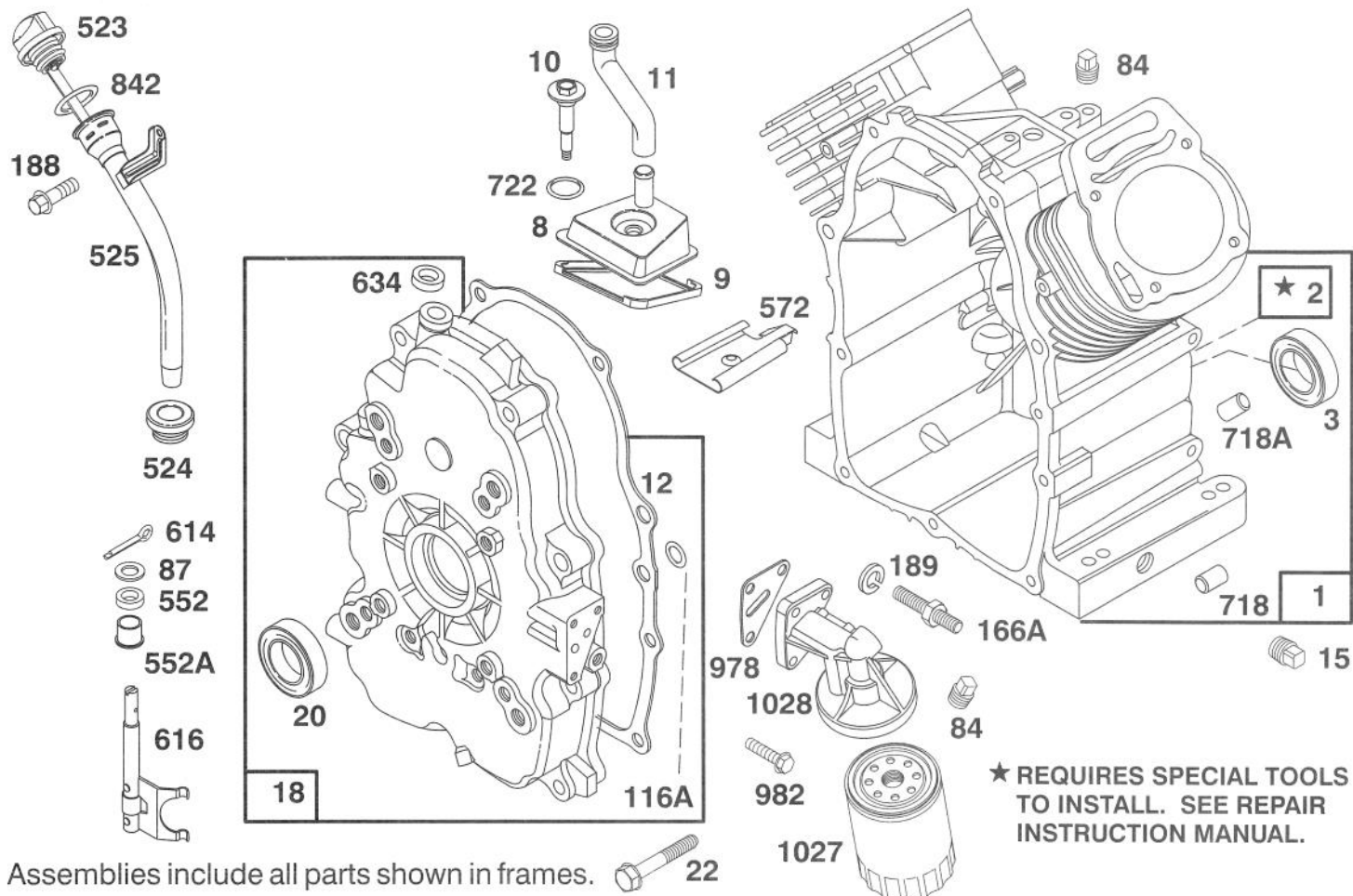
ALIGNMENT TOOL NO. TOR200120



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.

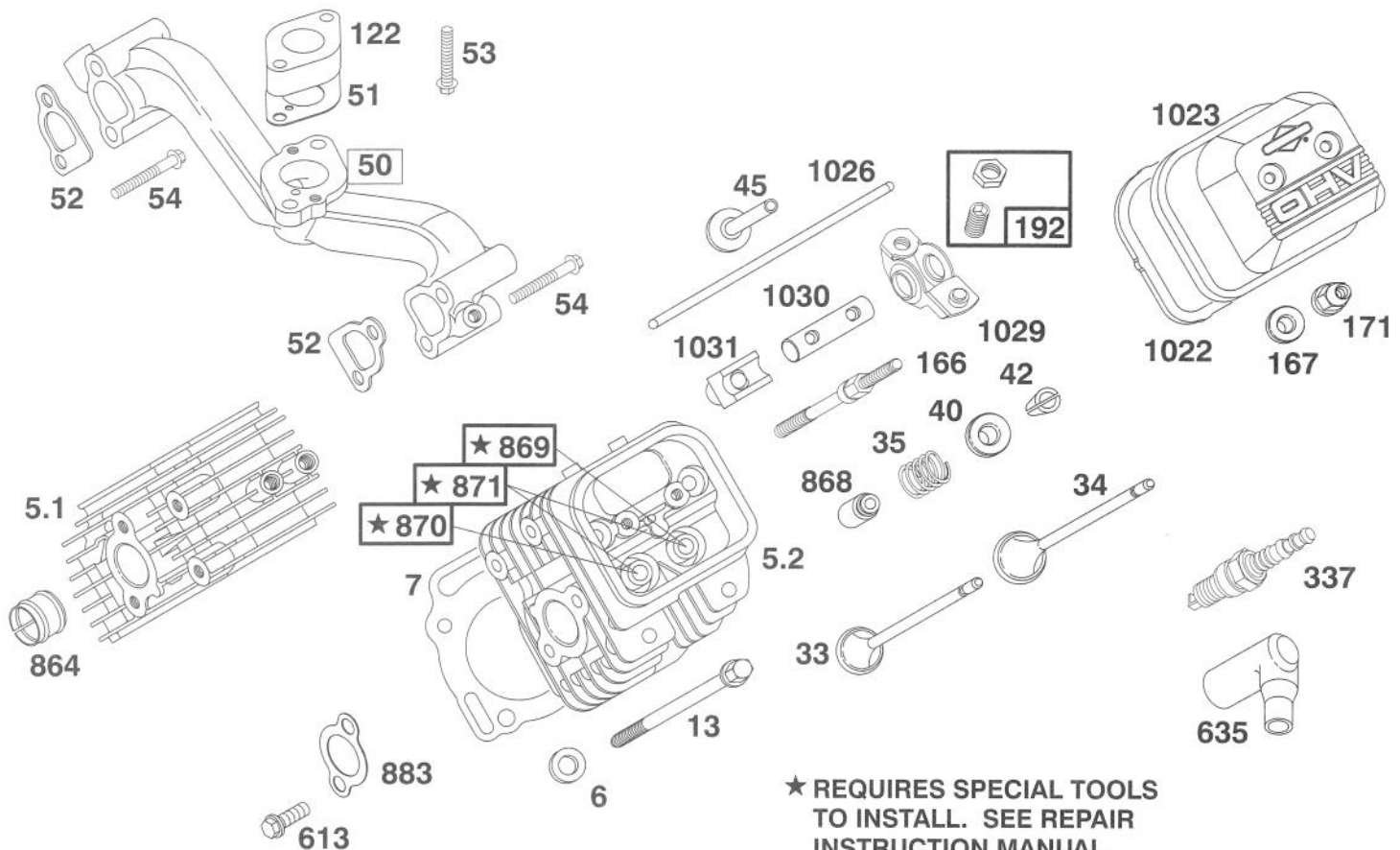
★ REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.

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	
189	805449	Lockwasher	

Ref. No.	Part No.	Description	No. Used
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	
718A	805102	Dowel – Cylinder Head	
*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	
1029	807557	Arm – Rocker	

*Included in Gasket Set – Part No. 807640.



Assemblies include all parts shown in frames.

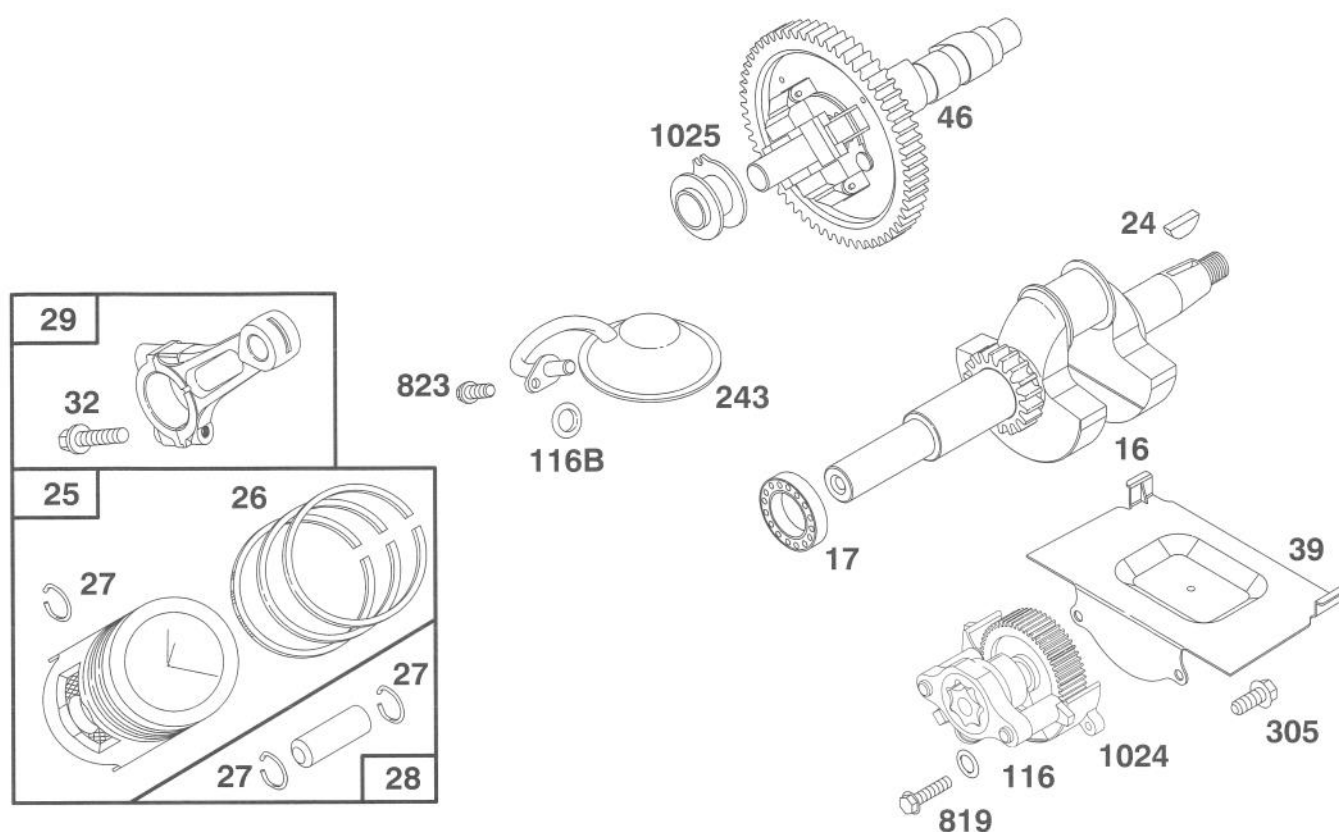
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
5.1	807508	Head – Cylinder (Cyl. #1)	
5.2	807510	Head – Cylinder (Cyl. #2)	
*6	805193	Washer – Cylinder Head	
†7	805111	Gasket – Cylinder Head	
13	805097	Screw – Cylinder Head	
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	805409	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	496018	Plug – Spark	
613	805158	Screw	
635	805529	Elbow – Spark Plug	
864	805083	Liner – Exhaust Port	
868	805094	Seal – Valve Guide	
869	805085	Seat – Intake Valve	
870	805086	Seat – Exhaust Valve	
871	805084	Guide – Valve	
*883	805024	Gasket – Exhaust Manifold	
†1022	805028	Gasket – Valve Cover	
1023	805100	Cover – Valve	
		Note: 807665 Cover – Valve Used on Cylinder #1.	
1026	805352	Rod – Push	
		Note: 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. 807640.

†Included in Valve Overhaul Kit – Part No. 807668.



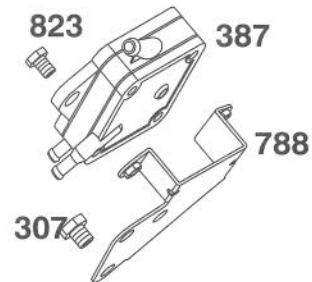
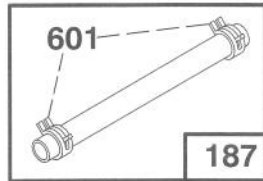
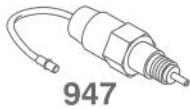
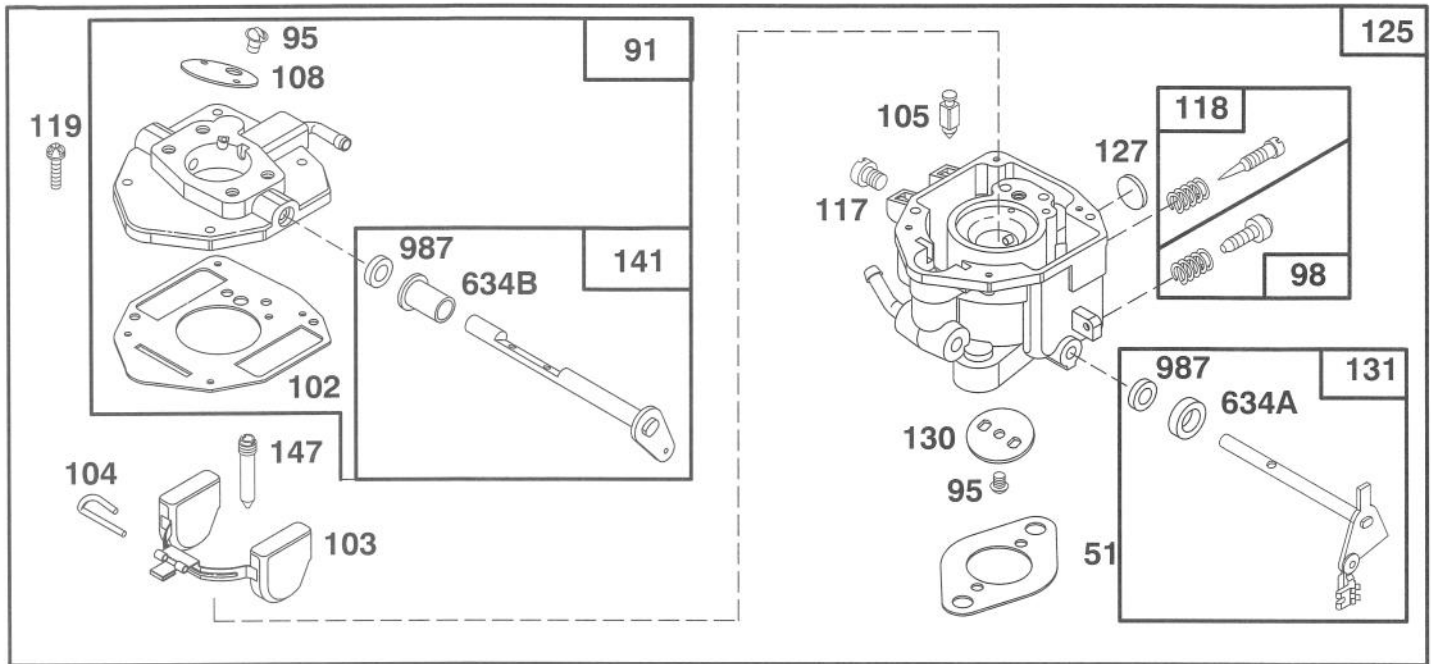
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft Note: 807625 Thrust Washer	
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	

Ref. No.	Part No.	Description	No. Used
28	807621	Piston Pin Assembly	
29	807622	Connecting Rod Assembly	
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	
819	805057	Screw	
823	805317	Screw – Mounting	
1024	807644	Oil Pump Assembly	
1025	805313	Slider – Governor	

*Included in Gasket Set – Part No. 807640.



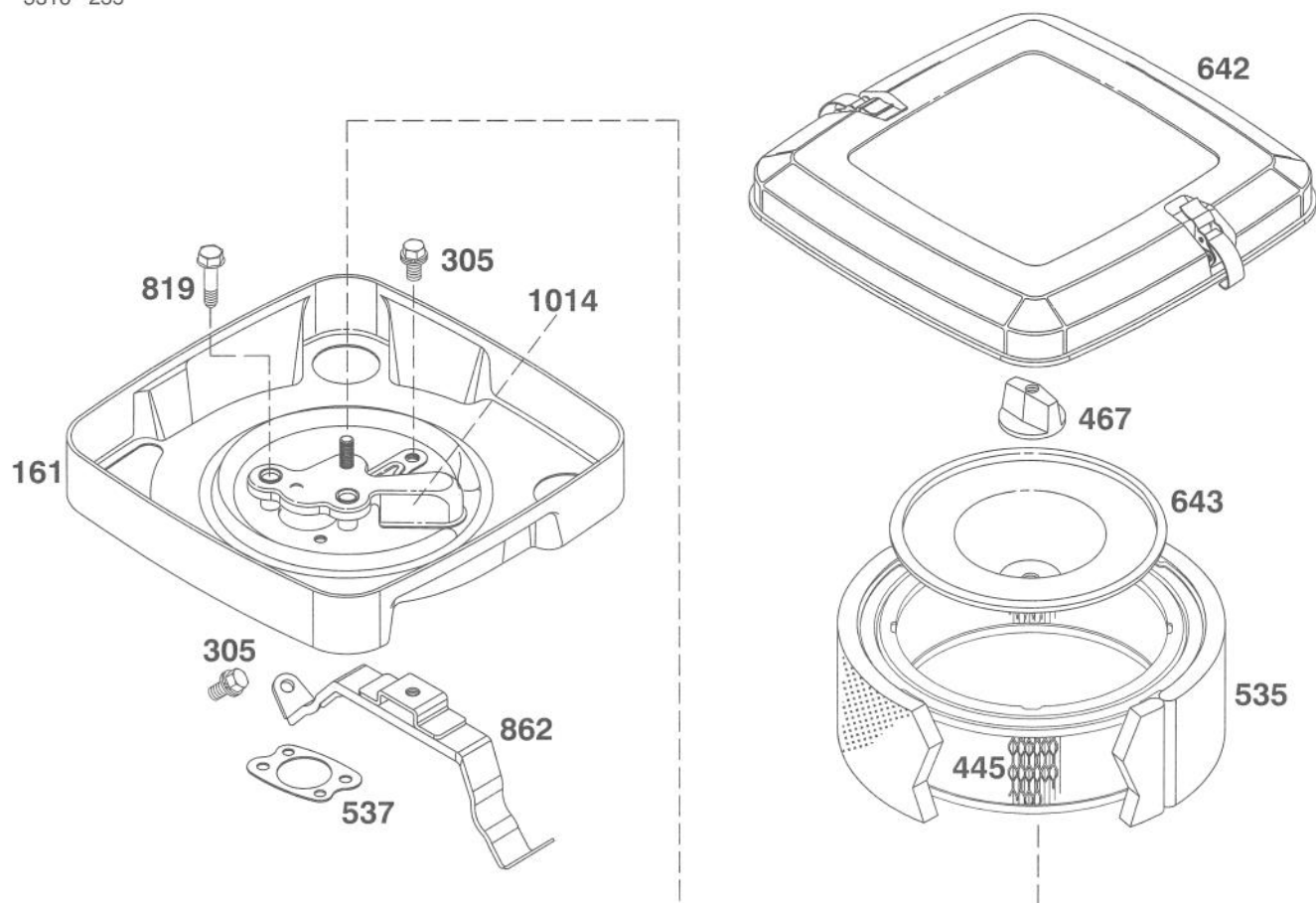
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
*51	805264	Gasket - Carburetor Mtg.	
87	805054	Seal - Governor Shaft	
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	
*118	807719	Valve - Idle Adjusting Needle	
119	805540	Screw - Upper Body Mtg.	
125	807918	Carburetor Assembly	
*127	805559	Plug - Welch	

Ref. No.	Part No.	Description	No. Used
130	805554	Valve - Throttle	
131	807720	Shaft - Throttle	
141	807722	Shaft - Choke	
*147	805553	Jet - Slow Speed	
187	393815	Hose - Fuel (Cut to Suit)	
240	394358	Filter - Fuel	
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	

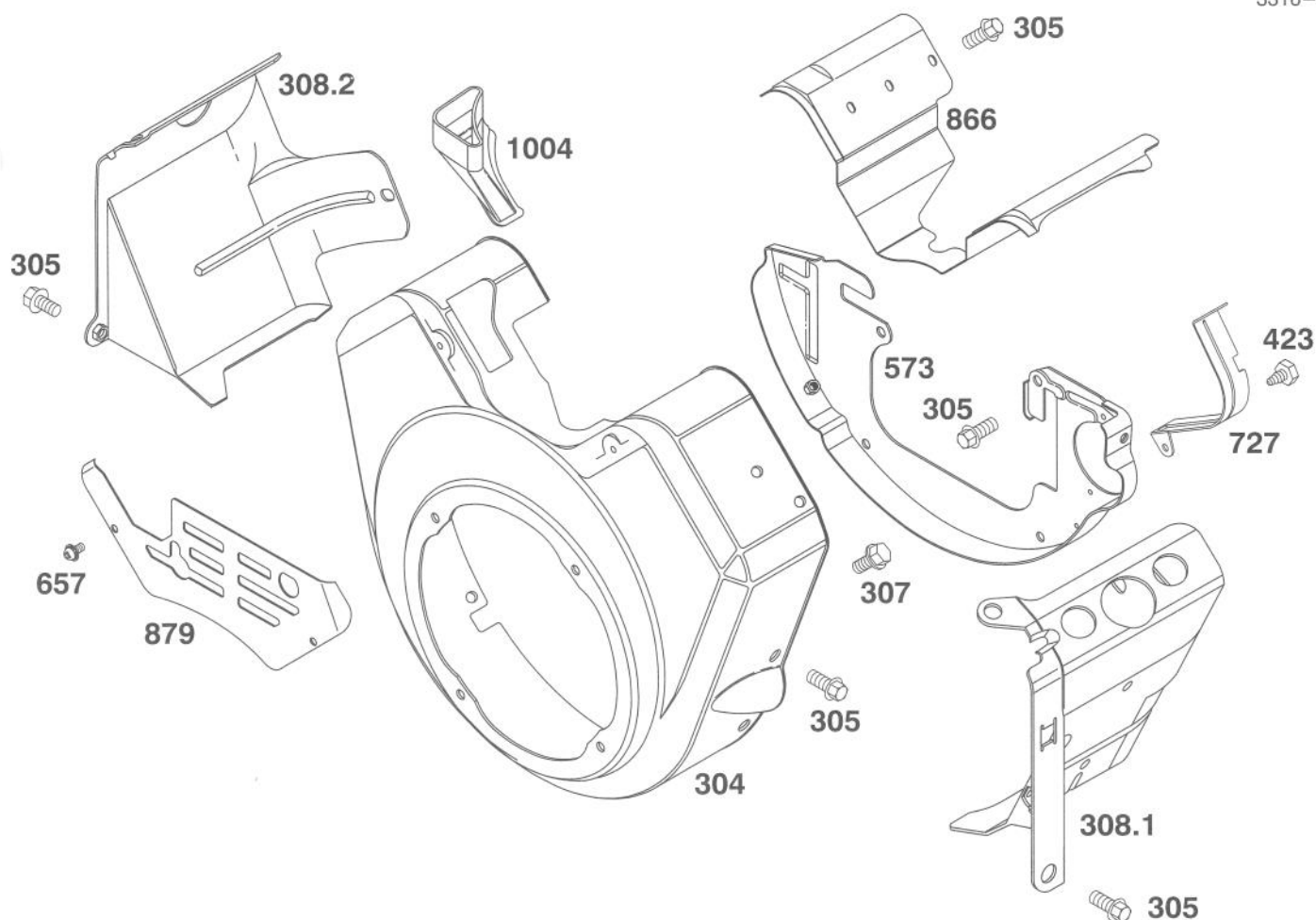
*Included in Carburetor Overhaul Kit - Part No. 807726.



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	

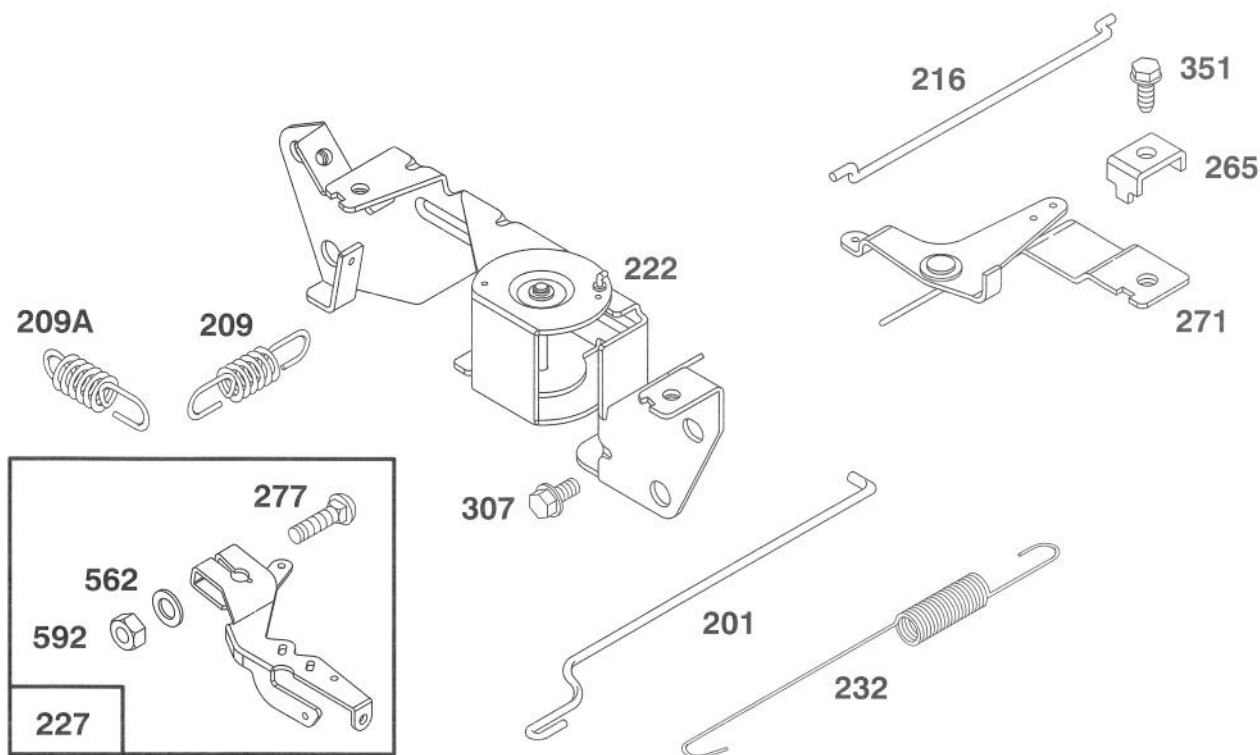
Ref. No.	Part No.	Description	No. Used
642	807862	Cover Assy. – Air Cleaner	
643	805631	Plate – Air Cleaner	
819	805057	Screw	
862	807796	Bracket – Air Cleaner	
1014	807797	Carburetor Inlet Shield Assy.	



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	807656	Cover – Air Guide (Cyl. #1)	
308.2	807657	Cover – Air Guide (Cyl. #2)	
423	805260	Screw	

Ref. No.	Part No.	Description	No. Used
573	807663	Back Plate Assembly	
657	805009	Screw	
727	805505	Shield – Starter	
866	807660	Valley Cover – Air Guide	
879	805636	Cover – Carburetor	
1004	805632	Tube – Air Inlet	

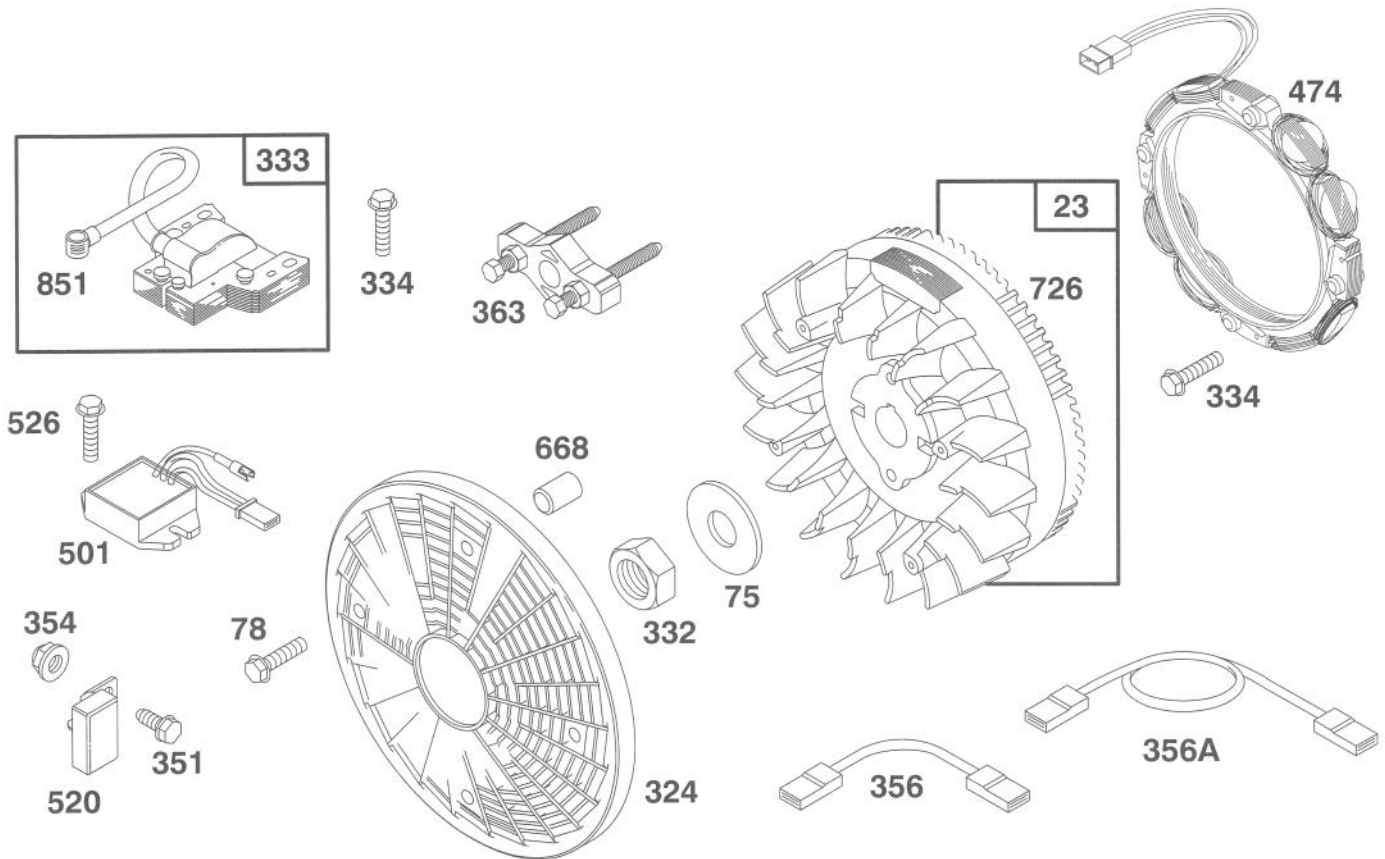


Assemblies include all parts shown in frames.

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	
216	805439	Link - Choke	
222	807610	Bracket - Governor Control	
227	807528	Lever Assembly - Governor	
232	805465	Spring - Governor Link	

Ref. No.	Part No.	Description	No. Used
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.	

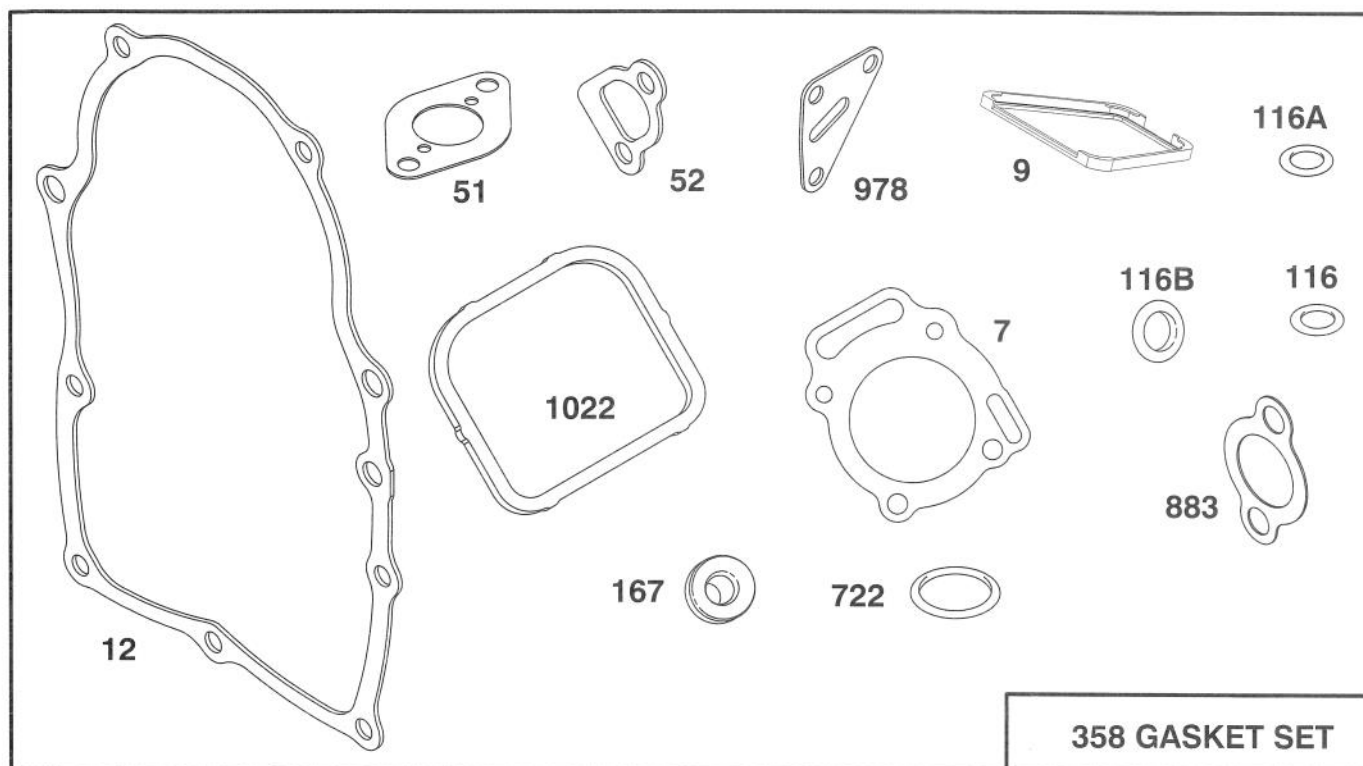


Assemblies include all parts shown in frames.

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	
351	805169	Screw – Hex Head	
354	805496	Nut – Nylock	
356	807594	Wire – Ground (Cyl. #1)	

Ref. No.	Part No.	Description	No. Used
356A	807593	Wire – Ground (Cyl. #2)	
363	19203	Puller – Flywheel	
474	393295	Stator – Alternator	
501	394890	Regulator – Alternator	
520	807527	Terminal – Ground	
526	805448	Screw – Mtg.	
668	805402	Spacer	
726	807805	Gear – Flywheel Ring	
851	221798	Terminal – Ignition Cable	



Assemblies include all parts shown in frames.

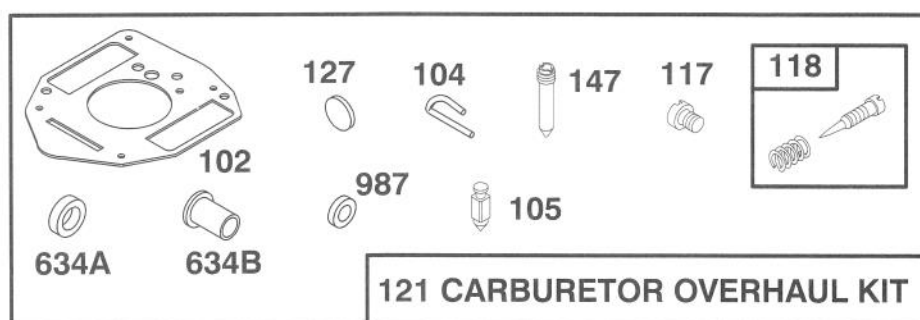
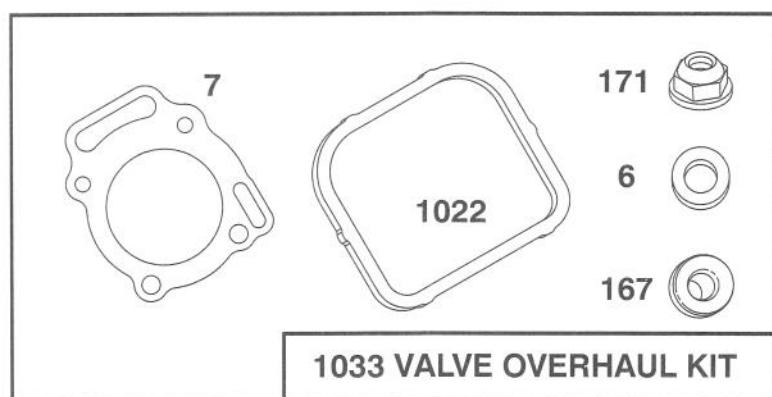
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used
†7	805111	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)	

Ref. No.	Part No.	Description	No. Used
*116B	805316	O–Ring (Pick – Up Tube)	
*†167	805420	Washer – Valve Cover	
358	807640	Gasket Set	
*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. 807640.

†Included in Valve Overhaul Kit – Part No 807668.



Assemblies include all parts shown in frames.

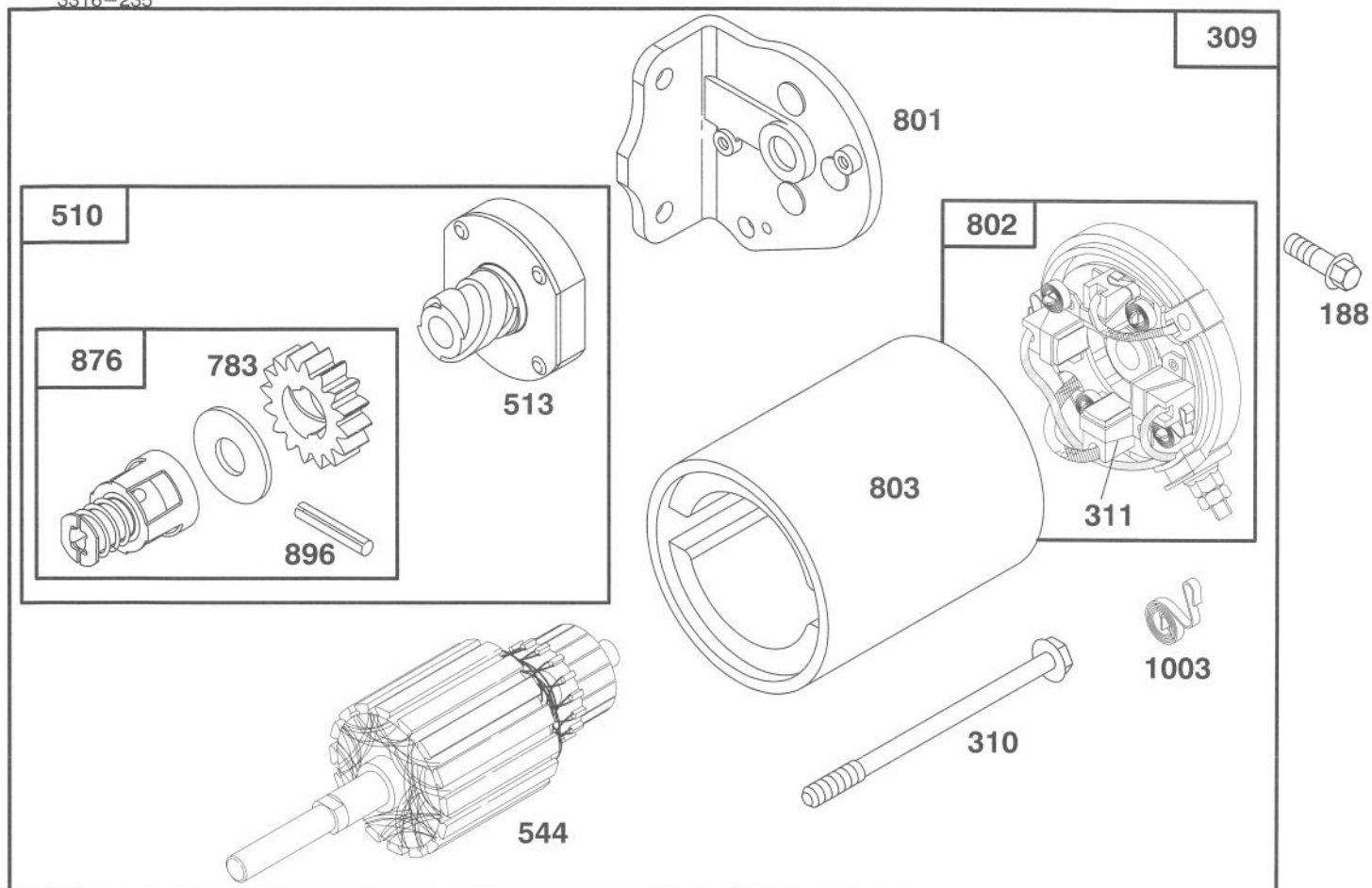
ENGINE BRIGGS & STRATTON MODEL 303447-0411-01

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
‡6	805193	Washer – Cylinder Head		†147	805553	Jet – Slow Speed	
‡7	805111	Gasket – Cylinder Head		‡167	805420	Washer – Valve Cover	
*9	805379	Gasket – Breather		‡171	805019	Nut – Nylock	
†102	805541	Gasket – Intake Elbow		†634A	805557	Collar – Throttle	
†104	805545	Pin – Float Hinge		†634B	805543	Collar – Choke	
†105	805547	Valve – Fuel Inlet		722	805483	Seal – Breather Screw	
†117	805548	Jet – Main		†987	805544	Seal – Shaft	
†118	807719	Valve – Idle Adjusting		*‡1022	805028	Gasket – Valve Cover	
121	807726	Carburetor Overhaul Kit		1033	807668	Overhaul Kit – Valve	
†127	805559	Plug – Welch		1036	807688	Gasket Set – Breather	

*Included in Gasket Set – Part No. 807640.

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

‡Included in Valve Overhaul Kit – Part No. 807668.



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	490421	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	Gear Kit	
896	94288	Roll Pin	
1003	490316	Brush Spring Set	

TORO PART NUMBER INDEX

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-0348	Bushing - Sleeve	3 11 6	27-2270	Rod - Brake Adjusting	1 29 2
3-0348	Bushing - Sleeve	4 14 6	27-2320	Bearing - Flange	10 7 2
3-0348	Bushing - Sleeve	6 22 6	27-2320	Bearing - Flange	1 33 2
3-1506	Bushing - Flange	3 16 4	27-2380	Spacer	20 32 2
3-1506	Bushing - Flange	4 30 4	27-2540	Spacer - Hub	6 31 1
3-1506	Bushing - Flange	6 38 4	27-2550	Pin - Pivot	6 27 1
3-4808	Nut - Wing	35 1 1	27-6600	Spacer - Coupling	28 15 4
3-6657	Clip - Skid	35 4 2	28-1400	Battery	20 11 1
3-6685	Spring - Compression	19 17 1	28-3680	Tire	8 2 2
5-0946	Key - Square	28 12 1	28-3680	Tire	30 9 1
5-0946	Key - Square	29 16 1	28-4210	Solenoid - Starter	20 5 1
5-1226	Washer - Shim	3 10 2	28-7890	Module - Interlock	22 26 1
5-1226	Washer - Shim	4 16 2	28-8080	Boot Terminal	20 13 1
5-1226	Washer - Shim	6 24 2	29-9080	Handle	34 3 1
5-3934	Bolt - Castor	30 20 1	29-9090	Hose - Handle	34 4 1
8-7710	Ball Joint Receiver Assy.	4 4 2	36-4310	Brush	34 5 1
8-7710	Ball Joint Receiver Assy.	6 4 2	37-8130	Basket - Grass	2 *
8-7710	Ball Joint Receiver Assy.	3 25 2	38-0410	Nut - Hex.	14 53 1
10-6060	Pin - Lift Cylinder	3 7 1	38-0410	Nut - Hex.	16 59 1
10-6060	Pin - Pivot	4 19 1	39-9600	Clamp - Mounting	22 9 1
10-6090	Pin - Pivot	4 33 1	42-2680	Race R. Detent	13 46 1
10-6090	Pin - Pivot	3 37 1	43-2830	Nut - Hex	27 33 1
10-6090	Pin - Pivot	6 41 1	43-5220	Ring - Retaining	7 10 1
10-6110	Pin - Hinge	3 3 1	43-5230	Shaft & Clevis	7 11 1
10-6110	Pin - Pivot	4 24 1	43-5930	Washer - Lock	27 25 2
10-6821	Brake Drum Assembly	8 *	43-8600	Spring - Compression	19 21 1
10-6830	Stud - Drive	30 17 4	43-8610	Seat - Ball	19 20 1
10-6850	Drum - Brake	8 6 2	43-8620	Guide - Switch	19 23 1
10-6870	Hub - Wheel	8 5 2	43-8860	Plunger - Switch	19 22 1
10-7070	Key - Square	28 20 1	43-8870	Boot - Switch	19 26 1
10-7820	Pivot Hinge Assembly	3 12 1	43-9071	Seat Switch Assembly	19 *
10-7820	Pivot Hinge Assembly	4 25 1	44-0870	Shaft - Cam	10 5 1
10-7820	Pivot Hinge Assembly	6 33 1	44-2230	Coupling - Rubber	28 16 1
10-7850	Latch - Parking Brake	1 23 1	44-5560	Head - Oil Filter	20 27 1
10-7880	Hinge - Upper	1 8 1	46-8560	Screw - Self Taping	20 20 3
10-7890	Hinge - Lower	1 22 1	47-2890	Bushing - Sleeve	17 20 2
10-8100	Strap - Brake Shaft	1 31 2	47-5320	Lever - Control	10 40 1
10-8110	Washer - Thrust	3 9 6	47-6640	Valve - Flow Control	21 *
10-8110	Washer - Thrust	4 15 6	47-6990	Nut - Steering Wheel	17 10 1
10-8110	Washer - Thrust	6 23 6	48-7610	Screw - Cap Hex. Hd.	25 9 1
10-8140	Spring - Torsion	1 7 1	48-7620	Screw - Cap Hex. Hd.	27 36 1
10-8240	Pad - Lift	2 37 1	49-0300	Plug - Pipe	21 10 2
10-8250	Pad - Mow	2 39 1	49-0320	Plate - Dial	21 20 1
11-0160	Roller Shaft Screw Assy.	3 14 2	49-0340	Spring - Metering	21 12 1
11-0160	Roller Shaft Screw Assy.	4 28 2	49-0350	Handle	21 18 1
11-0160	Roller Shaft Screw Assy.	6 36 2	49-0360	Screw - Thumb	21 2 1
12-3270	Screw - Hex. Washer Hd.	10 38 1	49-0370	Spool - Metering	21 11 1
12-3270	Screw - Thread Forming	12 50 1	49-5430	Rod - Control	10 1 1
12-9140	Decal	34 1 1	49-5430	Rod - Control	1 4 1
18-6320	Washer - Steering	30 7 3	49-5880	Shaft - Seat Support	19 27 1
20-0070	Tube	35 5 1	49-6110	Guard - Transfer Rod	1 6 1
20-0080	Rod	35 7 1	49-6120	Pad - Footrest	1 13 1
20-0110	Bracket - Alignment	35 2 1	49-6170	Pad - Brake	2 49 1
21-8470	Shaft - Roller	3 21 1	49-6200	Lever - Cutting Control	2 42 1
21-8470	Shaft - Roller	4 36 1	49-6220	Bracket - Control Arm	10 9 1
21-8470	Shaft - Roller	6 44 1	49-6250	Bracket - Traction Pivot	10 35 1
22-6090	Washer - Thrust	34 4 1	49-6260	Assy. - Pivot, Traction	10 21 1
23-8840	Puller - Bolt	34 3 1	49-6290	Shaft - Traction Pivot	10 37 1
23-8850	Tube - Support	34 5 1	49-6440	Pedal - Forward	10 42 1
23-8860	Pin - Bearing Rplcmnt.	34 6 1	51-0350	Pin - Seat Spring	19 16 1
23-8880	Driver - Bearing	34 1 2	51-0780	Slider - Seat	19 31 1
26-3790	Nut - Lock	8 4 2	51-0790	Adjuster - Seat	19 6 1
27-1960	Hub - Engine	28 21 1	52-1990	Piston	5 3 1
27-1970	Hub - Pump	28 22 1	52-2720	Roller Assembly	3 20 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
52-2720	Roller Assembly	4 35 1	68-5380	Lift Arm Assembly	6 21 1
52-2720	Roller Assembly	6 43 1	68-5560	Pin - Cylinder Pivot	6 26 1
52-5860	Collar - Spool	16 51 1	68-5880	Hose - Hydraulic	20 30 1
52-5880	Ball - Steel	13 47 12	68-6150	Breather	24 44 1
52-5900	Screw - Fillister Hd.	15 37 4	69-9760	Plate - Cover	2 50 1
52-9230	Ring - Retaining	18 2 1	70-2770	Head	7 8 1
52-9250	Needle Bearing Kit	18 * 1	70-2780	Piston	7 4 1
52-9260	Screw - Set	18 26 1	70-7130	Tube Assy.	11 3 1
52-9270	Seat - Ball Check	18 24 1	70-7150	Hose - Hydraulic	12 48 1
52-9280	Ball - Check	18 22 1	70-8130	Barrel	7 1 1
52-9290	Retainer - Ball Check	18 21 1	70-8250	Drive	18 16 1
56-2230	Hose - Fuel	25 17 1	70-8610	Hose - Hydraulic	12 51 1
56-7720	Bolt - Battery	20 17 2	70-8631	Cap - Fuel	25 1 1
56-7970	Clamp Half - Tube	2 45 2	70-8640	Cap - Hydraulic Reservoir	24 8 1
57-6140	Clamp Half - Tube	8 20 2	70-9800	Reel Motor Assembly	32 8 3
57-6220	Link	10 17 5	70-9840	Shoe - Brake	8 8 4
57-7650	Spring - Torsion	4 11 1	70-9850	Clip - Retaining	8 23 2
57-7650	Spring - Torsion	6 18 1	70-9860	Cam - Brake	8 27 2
57-7650	Spring - Torsion	3 32 1	70-9870	Plate - Backing	8 10 2
58-6520	Decal - Grease	30 35 2	70-9880	Spring - Return	8 7 4
59-6730	Race - Bearing	18 8 2	71-0990	Orifice	11 43 1
59-6740	Bearing - Needle Thrust	18 9 1	71-1500	Brake Assembly	8 * 2
59-6830	Centering Pin Kit	18 20 1	71-1510	Arm - Brake	8 24 2
62-2390	Bar - Lift L.H.	3 30 1	72-3850	Seal - Filter	20 28 1
62-2420	Bar - Lift	6 8 1	72-4320	Switch - Ball	19 18 1
62-2420	Bar - Lift	4 9 1	72-4380	Seal Kit	33 * 1
62-2440	Lift Arm Assembly	4 8 1	72-4390	Repair Kit	33 *
62-2460	Lift Arm Assembly L.H.	3 29 1	72-4790	Hold-Down - Battery	20 16 1
63-3810	Hose - Hydraulic	32 1 1	74-0720	Tube - Manual	19 3 1
63-3820	Hose - Hydraulic	32 2 1	74-3570	Filter - Hydraulic Oil	20 29 1
63-3830	Hose - Hydraulic	32 13 1	74-3730	Spacer - Hub	30 11 2
63-3840	Hose - Hydraulic	32 5 1	74-3830	Hose - Hydraulic	32 12 1
63-3840	Hose - Hydraulic	11 36 1	74-3830	Hose - Hydraulic	11 28 1
63-3850	Hose - Hydraulic	11 31 1	74-9100	Pad - Forward Pedal	10 25 1
63-3850	Hose - Hydraulic	3 39 1	74-9110	Pad - Reverse Pedal	10 23 1
63-3870	Hose - Hydraulic	32 16 1	75-0540	Tether - Cap	24 9 1
63-3880	Hose - Hydraulic	11 18 1	75-9440	Hub - Wheel	30 15 1
63-3880	Hose - Hydraulic	11 29 1	75-9990	Motor - Hydraulic	8 22 2
63-3880	Hose - Hydraulic	4 39 2	76-0800	Seal Kit	9 * 1
63-4020	Tube - Hydraulic	32 17 1	76-0810	Housing Assembly	9 * 1
63-4020	Tube - Hydraulic	11 40 1	76-0840	Manifold	9 22 1
63-4030	Tube - Hydraulic	32 18 1	76-0850	Bearing - Thrust	9 12 1
63-4030	Tube - Hydraulic	11 41 1	76-0860	Shaft - Coupling	9 11 1
63-4040	Hydraulic Tube Assembly	32 4 1	76-0870	Plate - Wear	9 18 1
63-4040	Tube - Hydraulic	11 35 1	76-0880	Commutator Assembly	9 * 1
63-4050	Fitting - Tee	11 42 2	76-0940	End Cover Assembly	9 24 1
63-8360	Key - Ignition	22 17 1	76-0960	Link - Drive	9 13 7
63-8410	Washer - Flat	25 4 4	76-0970	Rotor Set	9 * 1
63-8410	Washer - Flat	24 36 3	76-1010	Screw - Cap Hex. Hd.	9 14 1
63-8750	Pin - Pivot	6 9 1	76-1850	Clevis	5 13 1
63-8750	Pin - Pivot	4 10 1	76-1860	Shaft	5 6 1
63-8750	Pin - Pivot	3 33 1	77-0480	Screw - Traction Stop	10 34 1
65-4860	Head	5 9 1	80-9330	Audio Alarm Assembly	22 25 1
65-6390	Washer - Thrust	17 13 1	83-0010	Engine Assembly	27 15 1
65-8320	Bar - Gauge	2 * 1	83-0020	Ignition Switch Assembly	22 14 1
66-1660	Spool - Lever Side	21 13 1	83-0030	Control - Throttle	22 12 1
66-2950	Gauge - Hourmeter	22 5 1	83-0040	Control - Choke	22 13 1
67-1300	Decal - TORO	20 39 1	83-0060	Lift - Pivot	1 26 1
68-4940	Hydraulic Pump Assembly	28 9 1	83-0080	Spring - Torsion	1 25 1
68-5100	Rod - Seat Prop	19 10 1	83-0140	Pedal - Mow	2 38 1
68-5130	Steering Wheel Assembly	17 11 1	83-0160	Shaft - Brake	2 48 1
68-5140	Cap - Steering Wheel	17 9 1	83-0190	Cover - R.H.	8 18 1
68-5260	Fitting - Manifold Tee	11 37 1	83-0200	Cover - L.H.	1 17 1
68-5310	Clip - Seat Rod	19 12 1	83-0220	Frame Assembly	20 18 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
83-0540	Pedal - Traction	10 24 1	83-1870	Gerotor	18 17 1
83-0580	Rod - Traction Control	10 32 1	83-1880	Control Parts Assembly	18 * 1
83-0590	Traction Handle Assembly	10 12 1	83-1890	Switch - Ball	14 54 1
83-0630	Arm - Traction Pivot	10 29 1	83-1890	Switch - Ball	16 60 1
83-0640	Plate - Footrest	1 12 1	83-1940	Guard - Pump	28 30 1
83-0700	Handle - Lockup	17 18 1	83-2000	Spool - Valve	24 42 1
83-0730	Spacer - Lockup	17 15 1	83-2010	Coil - Valve	24 43 1
83-0740	Disc - Friction	17 14 2	83-2030	Plate - Filler	22 3 1
83-0750	Screw - Cap Hex. Hd. L.H.	17 6 1	83-2040	Hose - Fuel	25 14 1
83-0760	Plate - Lockup	17 16 1	83-2041	Hose - Fuel	25 11 1
83-0780	Support - Steering Valve	17 4 1	83-2070	Hose - Valve	24 14 1
83-0810	Cover - Steering Valve	17 25 1	83-2080	Hose - Valve-Tank	24 29 1
83-0820	Gauge - Ammeter	22 4 1	83-2090	Hose - Overflow	24 15 1
83-0830	Panel - Control Upper	20 33 1	83-2200	Nut - Special	25 8 1
83-0840	Fender - L.H.	20 19 1	83-2220	Deflector - Exhaust	27 20 1
83-0860	Reservoir - Hydraulic	24 5 1	83-2230	Screw - Cap Hex. Hd.	27 22 4
83-0870	Fitting - Hydraulic Straight	24 32 3	83-2240	Arrestor - Spark	27 * 1
83-0910	Hose - Hydraulic	24 30 2	83-2250	Gauge - Sight	24 25 1
83-0910	Hose - Pump	28 11 2	83-2270	Hose - Hydraulic	28 8 1
83-0930	Fork - Castor	30 19 1	83-2270	Hose - Hydraulic	21 15 1
83-1030	Mount - Engine	27 4 3	83-2280	Timer - Relay	22 27 1
83-1040	Washer - Mount	27 2 3	83-2310	Shield	27 35 1
83-1050	Spacer - Mount	27 3 2	83-2330	Hydraulic Cylinder Assy.	30 33 1
83-1060	Adapter - Pump	27 10 1	83-2340	Cap - Threaded	31 2 2
83-1080	Pipe - Exhaust	27 7 1	83-2350	Cap - Head, Thread	31 5 2
83-1100	Harness - Wire (Main)	23 1 1	83-2360	Assembly - Rod	31 9 1
83-1100	Harness - Wire (Main)	22 8 1	83-2370	Assembly - Barrel	31 12 1
83-1110	Harness - Wire (Engine)	23 2 1	83-2380	Kit - Seal Repair	31 * 1
83-1150	Wire - Engine Ground	23 5 1	83-2390	Pad - Tank	24 2 1
83-1160	Wire - Solenoid-Starter	23 3 1	83-2400	Spacer - Tank	24 1 2
83-1170	Hose - Hydraulic	11 22 1	83-2420	Wire - Solenoid-Battery	23 4 1
83-1170	Hose - Hydraulic	28 28 1	83-2450	Hose - Hydraulic	11 1 1
83-1189	Hose - Hydraulic	11 6 1	83-2450	Hose - Hydraulic (Top)	8 34 1
83-1190	Hose - Hydraulic	28 1 2	83-2460	Hose - Hydraulic	11 4 1
83-1190	Hose - Hydraulic	11 10 2	83-2460	Hose - Hydraulic (Bottom)	8 * 1
83-1200	Tube Assy.	11 5 1	83-2480	Decal - Parking Brake	1 9 1
83-1220	Plate - Clamp	8 21 1	83-2490	Decal - Service	19 34 1
83-1230	Muffler	27 19 1	83-2500	Decal - Traction Control	21 3 1
83-1320	Filter - Fuel	25 13 1	83-2510	Decal - Steering Arm	17 32 1
83-1350	Hose - Hydraulic	11 45 1	83-2520	Decal - Warning	17 5 1
83-1390	Fitting - Fuel Shut-Off	25 15 1	83-2530	Decal - Mow/Lift	1 14 1
83-1400	Shield - Muffler	27 16 1	83-2540	Decal - Traction	20 38 1
83-1420	Column - Steering	17 23 1	83-2550	Decal - Engine RPM	27 13 1
83-1430	Hose - Hydraulic	20 23 1	83-2560	Decal - Warning Hot	27 34 1
83-1430	Hose - Hydraulic	24 34 1	83-2570	Plate - Control Panel	22 2 1
83-1450	Sensor - Oil Level	24 3 1	83-2580	Cylinder - Lift	3 6 1
83-1460	Solenoid Valve Assembly	24 28 1	83-2580	Hydraulic Cylinder Assy.	4 22 1
83-1470	Washer - Neoprene	24 18 4	83-2590	Bolt - Shoulder	2 47 1
83-1520	Screen - Filler	24 6 1	83-7230	Hydraulic Cylinder Assembly	6 10 1
83-1530	Bracket - Alarm	22 23 1	84-2000	Bracket - Brake	8 12 2
83-1550	Spacer - Tank (Short)	24 17 2	84-2202	Control Valve Assembly	16 * 1
83-1560	Spacer - Tank (Long)	24 23 2	84-2202	Control Valve Assembly	11 16 1
83-1630	Bracket - Muffler Support	27 24 1	84-3180	Decal - Hydraulic Oil	19 33 1
83-1640	Rod End Assembly	30 6 1	84-5300	Nut - Jam	30 5 1
83-1660	Switch Assembly	22 6 1	84-6560	Decal - Danger	4 3 1
83-1670	Fitting - Special	11 27 1	84-6560	Decal - Danger	6 3 1
83-1680	Hose - Hydraulic	6 13 1	84-6560	Decal - Danger	3 13 1
83-1680	Hose - Hydraulic	11 30 1	84-8700	Pivot - Seat	19 36 1
83-1690	Hose - Hydraulic	11 21 1	84-8730	Hose - Hydraulic	28 7 1
83-1690	Hose - Hydraulic	3 40 1	84-8730	Hose - Hydraulic	17 26 2
83-1700	Bushing - Flange	8 33 2	84-8730	Hose - Hydraulic	30 28 1
83-1700	Bushing - Flange	17 35 1	84-8740	Hose - Hydraulic	17 27 1
83-1830	Cover - R.H.	20 2 1	84-8740	Hose - Hydraulic	30 30 1
83-1860	Centering Spring Kit	18 12 1	84-8760	Arm - Steering	17 3 1

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84-8770	Seat Support Assembly	19 7 1	237-21	Seal - O-Ring	11 19 6
84-8800	Bracket	19 35 1	237-21	Seal - O-Ring	17 29 4
85-6540	Stud - Drive	8 28 8	237-21	Seal - O-Ring	30 31 2
85-8120	Plate - Engine Mount	27 28 1	237-22	Seal - O-Ring	28 2 3
86-5360	Repair Kit	7 * 1	237-22	Seal - O-Ring	11 11 6
86-5390	Seal Kit	5 * 1	237-22	Seal - O-Ring	32 11 5
86-9810	Frame - Pull L.H.	3 24 1	237-30	Seal - O-Ring	32 3 5
86-9820	Frame - Pull R.H.	4 1 1	237-30	Seal - O-Ring	11 7 1
86-9820	Frame - Pull Rear	6 1 1	237-30	Seal - O-Ring	21 8 3
88-9500	Needle Valve Assembly	12 * 1	237-30	Seal - O-Ring	19 19 1
88-9620	Decal - Greensmaster 3100	2 46 1	237-30	Seal - O-Ring	28 27 1
88-9630	Lift Pivot Bracket R.H.	2 40 1	237-30	Seal - O-Ring	20 43 1
88-9640	Lift Pivot Bracket L.H.	1 28 1	237-35	Seal - O-Ring	6 11 2
88-9660	Shaft - Cutting Control	2 36 1	237-42	Seal - O-Ring	28 4 4
88-9700	Hose - Hydraulic	6 15 1	237-42	Seal - O-Ring	32 9 3
88-9700	Hose - Hydraulic	11 20 1	237-42	Seal - O-Ring	11 15 6
88-9710	Fitting - Hydraulic 90°	20 31 1	237-42	Seal - O-Ring	17 31 4
92-0585	Pull Arm Assembly R.H.	3 19 1	237-54	O-Ring	15 3 6
92-0585	Pull Arm Assembly R.H.	4 34 1	237-54	O-Ring	13 6 8
92-0585	Pull Arm Assembly R.H.	6 42 1	237-54	Seal - O-Ring	21 14 2
92-0586	Pull Arm Assembly L.H.	3 17 1	237-58	Seal - O-Ring	11 34 1
92-0586	Pull Arm Assembly L.H.	4 31 1	237-65	Seal - O-Ring	11 2 6
92-0586	Pull Arm Assembly L.H.	6 39 1	237-65	Seal - O-Ring	8 15 4
92-0587	Fitting - Valve Body	11 17 1	237-78	Seal - O-Ring	6 14 2
92-0588	Valve - Needle	12 53 1	237-78	Seal - O-Ring	30 32 2
92-1180	Seat Assembly	19 5 1	237-78	Seal - O-Ring	3 38 2
92-1188	Hose - Hydraulic	21 17 1	237-78	Seal - O-Ring	4 38 2
92-1188	Hose - Hydraulic	20 44 1	237-79	Seal - O-Ring	32 7 3
92-1189	Hose - Hydraulic	21 9 1	237-79	Seal - O-Ring	11 9 4
92-1665	Fitting - Hydraulic Straight	24 12 1	237-79	Seal - O-Ring	24 11 5
92-1666	Tank - Auxiliary Hydraulic	24 26 1	237-80	Grommet	20 41 1
92-2545	Seals - Spool	14 * 1	237-80	Seal - O-Ring	24 4 1
92-2545	Seals - Spool	16 * 1	237-80	Seal - O-Ring	21 6 3
92-2546	Wiper - Seal	13 25 4	237-80	Seal - O-Ring	8 13 4
92-2546	Wiper - Seal	16 64 5	237-80	Seal - O-Ring	28 25 1
92-2547	Plate - Seal Retainer	15 18 5	237-80	Seal - O-Ring	11 32 3
92-2547	Plate - Seal Retainer	13 24 4	237-81	Seal - O-Ring	11 38 1
92-2548	Seals - Spool	14 * 1	237-101	Seal - O-Ring	20 26 2
92-2548	Seals - Spool	16 * 1	237-123	Seal - O-Ring	24 24 1
92-2549	Seals - Spool	16 * 1	237-143	Grommet	20 40 2
92-3058	Spring - Centering	13 41 1	237-177	Seal - O-Ring	24 33 3
92-4063	Plug - Filler Cap	24 7 1	240-11	Grommet	25 3 4
92-6533	Kit - Cushion	19 38 1	240-11	Grommet	24 37 3
92-6534	Shell	19 39 1	242-50	Nut - Lug	30 8 4
92-7189	Tank - Fuel	25 2 1	242-50	Nut - Lug	8 29 8
92-8020	Adapter - Breather	24 21 1	2410-18	Plug	34 2 1
92-8690	Steering - Valve Assembly	17 24 1	2410-73	Retainer - Tether	24 10 1
92-8691	Bushing - Seal Gland	18 3 1	2411-42	Joint - Ball L.H. Thread	10 30 1
92-8694	Cap - End	18 18 1	2411-43	Joint - Ball R.H. Thread	10 33 1
92-8695	Seal Kit	18 * 1	2412-34	Clamp - Hose	28 10 2
92-8696	Screw - Torx Hd.	18 19 7	2412-34	Clamp - Hose	20 24 2
92-8697	Plate - Wear	18 15 1	2412-34	Clamp - Hose	24 31 3
217-60	Rim	8 3 2	2412-36	Clamp - Hose	24 13 4
217-60	Rim	30 10 1	2412-36	Clamp - Hose	25 16 2
218-461	Nut - Hex.	22 16 1	2412-41	Clamp - R	25 5 3
218-461	Nut - Hex.	19 25 2	2412-41	Clamp - R	12 47 2
218-594	Fuse - 20 Amp	22 7 1	2412-94	Clamp - R	25 10 1
2112-11	Clamp - Muffler	27 14 1	2412-106	Clamp - R	22 28 1
232-24	Stem - Valve	8 1 2	2412-108	Clamp - Hose	25 12 4
232-24	Valve Stem w/Cap	30 18 1	2412-133	Clamp - R	19 4 2
233-48	Knob	10 11 1	2412-141	Clamp - Hose	24 41 2
233-48	Knob	17 17 1	250-6	Tie - Cable	27 * 2
237-7	Seal - O-Ring	19 24 1	251-141	Bearing - Ball	3 22 2
237-21	Seal - O-Ring	28 6 1	251-141	Bearing - Ball	4 37 2

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251-141	Bearing - Ball	6 45 2	323-12	Screw - Cap Hex. Hd.	27 1 3
253-111	Seal - Shaft	30 12 2	323-13	Screw - Cap Hex. Hd.	1 5 4
254-61	Cup - Bearing	30 3 2	324-7	Screw - Cap Hex. Hd.	27 30 4
254-70	Cone - Bearing	30 4 2	325-4	Screw - Cap Hex. Hd.	17 19 2
254-78	Cone - Bearing	30 13 2	325-11	Screw - Cap Hex. Hd.	8 9 8
254-79	Cup - Bearing	30 14 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 - Lock	29 1 4
256-155	Bushing - Flange	19 28 2	3217-7	Nut - Hex	13 33 3
256-251	Bushing - Sleeve	10 10 2	3217-12	Nut - Lock	30 26 1
282-2	Clevis - Adjusting	1 2 5	3218-13	Nut - Jam	20 8 2
282-2	Clevis - Rod	10 3 1	3219-2	Nut - Hex.	35 6 1
283-8	Pin - Clevis	3 4 1	3219-14	Nut - Hex.	20 7 2
283-8	Pin - Clevis	4 18 1	3219-14	Nut - Hex.	22 10 6
283-57	Pin - Clevis	10 8 1	3219-18	Nut - Hex.	34 2 1
283-61	Pin - Clevis	1 1 5	3220-2	Nut - Jam	10 2 2
283-61	Pin - Clevis	10 4 1	3220-2	Nut - Jam	1 3 5
302-2	Fitting - Grease	6 17 1	3220-3	Nut - Jam	4 2 2
302-2	Fitting - Grease	4 23 1	3220-3	Nut - Jam	6 2 2
302-2	Fitting - Grease Straight	3 34 1	3220-3	Nut - Jam	3 23 2
302-5	Fitting - Grease	31 13 1	3220-6	Nut - Jam	5 14 1
302-5	Fitting - Grease	1 27 1	3220-6	Nut - Jam	30 21 2
302-5	Fitting - Grease	4 29 4	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	30 2 1	3234-1	Screw - Hex. Flange Hd.	10 6 4
302-55	Fitting - Grease	30 16 1	3234-4	Screw - Cap Hex. Hd.	12 46 1
302-60	Fitting - Grease 90°	3 8 2	3241-2	Screw - Set Square Hd.	28 19 2
302-60	Fitting - Grease 90°	4 17 2	3241-6	Screw - Set Square Hd.	28 13 2
302-60	Fitting - Grease 90°	6 32 1	3245-1	Screw - Set, Hex. Soc. Hd.	31 1 2
304-61	Clamp - R	11 23 1	3246-3	Screw - Set	17 12 1
321-2	Screw - Cap Hex. Hd.	24 16 1	3253-3	Washer - Lock	27 26 4
321-3	Screw - Cap Hex. Hd.	20 10 4	3253-3	Washer - Lock	24 39 2
321-3	Screw - Cap Hex. Hd.	19 13 1	3253-3	Washer - Lock	2 44 1
321-3	Screw - Cap Hex. Hd.	2 52 3	3253-3	Washer - Lock	16 57 4
321-4	Screw - Cap Hex. Hd.	22 21 1	3253-4	Washer - Lock	19 2 2
321-4	Screw - Cap Hex. Hd.	27 27 4	3253-4	Washer - Lock	3 2 3
321-4	Screw - Cap Hex. Hd.	8 31 1	3253-4	Washer - Lock	20 9 2
321-4	Screw - Hex. Flange Hd.	1 16 2	3253-4	Washer - Lock	4 20 3
321-5	Screw - Cap Hex. Hd.	8 26 8	3253-4	Washer - Lock	6 28 3
321-11	Screw - Cap Hex. Hd.	24 40 2	3253-6	Washer - Lock	27 29 4
321-11	Screw - Cap Hex. Hd.	2 43 1	3253-21	Washer - Lock	28 23 2
321-11	Screw - Hex. Washer Hd.	8 17 1	3253-21	Washer - Lock	4 27 2
321-33	Screw - Cap Hex. Hd.	21 22 2	3253-21	Washer - Lock	3 35 2
322-1	Screw - Cap Hex. Hd.	3 1 3	3253-21	Washer - Lock	6 35 2
322-1	Screw - Cap Hex. Hd.	4 21 3	3254-1	Washer - Lock	20 6 2
322-1	Screw - Cap Hex. Hd.	6 30 2	3254-1	Washer - Lock	22 31 2
322-1	Screw - Cap Hex. Hd.	28 31 2	3254-5	Washer - Lock	22 15 1
322-2	Screw - Cap Hex. Hd.	19 1 2	3254-6	Washer - I.T.L.W.	10 18 2
322-3	Screw - Cap Hex. Hd.	6 25 1	3255-7	Washer - Lock	22 29 1
322-3	Screw - Cap Hex. Hd.	19 32 1	3255-8	Washer - Lock, Int. Tooth	35 9 1
322-3	Screw - Cap Hex. Hd.	27 32 6	3256-1	Washer - Flat	27 18 8
322-4	Screw - Cap Hex. Hd.	28 32 2	3256-1	Washer - Flat	22 20 8
322-4	Screw - Cap Hex. Hd.	20 36 4	3256-21	Washer - Flat	22 30 2
322-5	Screw - Cap Hex. Hd.	10 36 2	3256-22	Washer - Flat	20 3 5
322-6	Screw - Cap Hex. Hd.	28 18 4	3256-22	Washer - Flat	8 30 2
322-8	Screw - Cap Hex. Hd.	27 21 2	3256-22	Washer - Flat	24 45 1
322-14	Screw - Cap Hex. Hd.	24 20 2	3256-22	Washer - Flat	2 51 10
322-14	Screw - Cap Hex. Hd.	11 39 3	3256-22	Washer - Flat	12 52 1
322-29	Screw - Cap Hex. Hd.	24 22 2	3256-23	Washer - Flat	28 17 8
323-4	Screw - Cap Hex. Hd.	17 7 2	3256-23	Washer - Flat	27 23 2
323-6	Screw - Cap Hex. Hd.	25 6 3	3256-23	Washer - Flat	19 30 4
323-6	Screw - Cap Hex. Hd.	24 35 3	3256-23	Washer - Flat	20 35 4
323-8	Screw - Cap Hex. Hd.	28 24 2	3256-24	Washer - Flat	10 14 6

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3256-24	Washer - Flat	6 34 2	3296-59	Nut - Lock	2 34 8
3256-24	Washer - Flat	2 35 5	3296-67	Nut - Lock	30 25 1
3256-24	Washer - Flat	3 36 2	32103-12	Nut - Wing	20 14 2
3256-26	Washer - Flat	4 12 1	32104-76	Screw - Self Tapping	20 1 5
3256-26	Washer - Flat	6 20 1	32120-8	Ring - Retaining	5 10 1
3256-26	Washer - Flat	3 31 1	32120-76	Ring - Snap	21 5 2
3256-26	Washer - Flat	17 34 2	32121-4	Pin - Roll Slotted	21 21 2
3256-28	Washer - Flat	30 27 1	32121-6	Pin - Roll	10 39 1
3256-63	Washer - Flat	25 7 1	32121-6	Pin - Roll	2 41 1
3256-71	Washer - Flat	24 19 4	32121-16	Pin - Roll	19 14 1
3256-80	Washer - Flat	17 2 3	32121-35	Pin - Roll	1 32 8
3257-42	Key - Woodruff	8 11 2	32121-45	Pin - Roll	10 28 1
3257-42	Key - Woodruff	9 17 1	32121-51	Pin - Roll	10 43 1
3272-4	Pin - Cotter	10 13 1	32122-35	Screw - Truss Head	35 8 1
3272-6	Pin - Cotter	1 30 5	32128-20	Nut - Flange Lock	11 24 3
3272-6	Pin - Cotter	10 41 1	32128-20	Nut - Flange Lock	10 27 1
3272-11	Pin - Cotter	3 5 2	32128-20	Nut - Flange Lock	28 29 2
3272-11	Pin - Cotter	19 9 1	32128-20	Nut - Flange Lock	27 31 8
3272-11	Pin - Cotter	4 13 2	32128-20	Nut - Lock, Flange	35 3 1
3272-11	Pin - Cotter	6 19 1	32128-33	Nut - Flange Lock	1 18 2
3272-37	Pin - Cotter	30 1 1	32128-33	Nut - Lock	8 32 1
3273-26	Screw - Hex. Socket Hd.	22 18 4	32136-9	Nut - Hex. Slotted	30 34 1
3274-7	Screw - Socket Hd.	27 9 2	32141-111	Nut Flange Lock	1 11 1
3274-12	Screw - Hex. Socket Hd.	19 29 4	32144-4	Screw - Hex. Washer Hd.	27 17 4
3274-15	Screw - Fillister Hd.	13 43 2	32144-4	Screw - Thread Forming	19 37 1
3274-31	Screw - Hex. Socket Hd.	1 15 4	32144-21	Screw - Round Hd.	17 8 2
3274-39	Screw - Cap Hex. Hd.	17 21 6	32148-6	Insert - Threaded	1 19 8
3274-42	Screw - Set, Hex. Socket	21 4 1	32149-2	Nut - Keps	20 37 2
3274-52	Screw - Hex, Socket Hd.	13 20 4	32151-41	Ring - Retaining	33 9 1
3274-52	Screw - Hex. Socket Hd.	15 45 6	32152-10	Nut - Hex.	7 2 1
3274-63	Screw - Hex. Socket Hd.	17 33 2	32152-10	Nut - Lock	5 2 1
3274-69	Screw - Hex. Socket Hd.	22 1 8	340-1	Fitting - Hydraulic Straight	17 30 4
3274-70	Screw - Hex, Socket Hd.	13 1 2	340-4	Fitting - Hydraulic Straight	11 8 1
3274-80	Screw - Cap Hex. Hd.	17 1 3	340-14	Fitting - Hydraulic 45°	8 14 4
3274-84	Screw - Cap, Hex. Hd.	16 58 4	340-16	Fitting - Hydraulic 90°	11 33 1
3274-91	Screw - Hex. Socket Hd.	20 4 3	340-18	Fitting - Hydraulic 90°	11 13 1
3284-3	Pin - Groove	19 15 1	340-77	Fitting - Hydraulic 90°	32 10 2
3289-20	Screw - Flat Hd.	8 16 1	340-77	Fitting - Hydraulic 90°	11 14 2
3290-277	Nut - Speed	17 22 6	340-82	Fitting - Hydraulic 90°	28 5 1
3290-317	Washer - Wave	3 18 2	340-87	Fitting - Hydraulic 45°	28 3 3
3290-317	Washer - Wave	4 32 2	340-87	Fitting - Hydraulic 45°	32 15 1
3290-317	Washer - Wave	6 40 2	340-98	Fitting - Hydraulic 90°	32 14 2
3290-357	Nut - Flange Lock	27 8 3	340-101	Fitting - Hydraulic 45°	32 6 1
3290-378	Tie - Cable	21 * 3	340-103	Fitting - Hydraulic 45°	6 12 2
3290-378	Tie - Cable	27 * 2	340-105	Elbow - 90° Adjustable	21 7 3
3290-378	Tie - Cable	32 * 15	340-105	Fitting - Hydraulic 90°	20 42 1
3290-379	Tie - Cable	32 * 3	340-105	Fitting - Hydraulic 90°	28 26 1
3290-379	Tie - Cable	6 47 1	340-132	Fitting - Hydraulic 90°	30 29 2
3296-4	Nut - Lock	10 22 2	340-137	Fitting - Hydraulic 45°	11 44 1
3296-16	Nut - Lock	1 21 2	340-138	Fitting - Hydraulic 45°	11 12 2
3296-16	Nut - Lock	22 24 9	351-78	Edging	19 40 1
3296-16	Nut - Lock	20 34 3	353-301	Poppet	13 27 1
3296-16	Nut - Lock	12 49 1	353-302	O-Ring	15 7 3
3296-23	Nut - Lock	8 19 8	353-302	O-Ring	13 10 3
3296-27	Nut - Lock	22 11 4	353-303	Ring - Backup	15 8 6
3296-29	Nut - Lock	19 8 4	353-303	Ring - Backup	13 9 6
3296-29	Nut - Lock	28 14 4	353-304	Spring	13 28 1
3296-29	Nut - Lock	10 16 2	353-305	O-Ring	15 5 5
3296-29	Nut - Lock	6 29 1	353-305	O-Ring	13 8 4
3296-39	Nut - Lock	1 20 1	353-306	Ring - Backup	15 4 5
3296-42	Nut - Lock	19 11 1	353-306	Ring - Backup	13 7 4
3296-42	Nut - Lock	8 25 8	353-328	Washer - Shim	13 15A/R
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353-329	Washer - Shim	15 33A/R	353-780	Positioner - R. Detent (Out)	14 * 1
353-330	Washer - Shim	13 17A/R	353-780	Spud - Detent Out	14 50 1
353-330	Washer - Shim	15 34A/R	353-808	Collar - Spring	15 24 1
353-331	O-Ring	13 29 1	353-829	Collar Spool	15 26 1
353-334	Cap - Relief	13 19 2	353-830	O-Ring	15 25 1
353-334	Cap - Relief	15 36 2	353-831	Spring	15 21 1
353-392	Seal - Relief Poppet PTFE	13 13 2	353-833	Positioner Assembly	16 * 1
353-392	Seal - Relief Poppet PTFE	15 30 2	353-834	Section #5 Assembly	16 * 1
353-398	Spring	15 35 1	353-835	Seals - Section Set	14 * 1
353-417	Collar Spring	15 20 2	353-835	Seals - Section Set	16 * 1
353-417	Collar Spring	13 40 2	353-837	Section #2 Complete	14 * 1
353-481	Plug - Load Check	15 2 3	353-839	Positioner - DI (SPL) Assy.	14 * 1
353-481	Plug - Load Check	13 5 3	353-840	Position - DI (SP) Assy.	16 * 1
353-483	Body - Anticavitation	16 61 1	353-841	Position - Spool Assembly	16 * 1
353-484	Retainer - Ball	16 62 1	353-844	Plus Series	16 55 1
353-529	Plate Seal	15 22 1	353-845	Sleeve - Detent	15 41 1
353-530	Spring	15 23 1	353-846	Spud - DI (SPL)	15 40 1
353-531	Poppet Assembly	15 31 2	353-847	Bonnet (SPL)	15 38 1
353-531	Poppet Assy.	13 14 2	353-848	O-Ring	15 14 1
353-550	Plug - Hydraulic	24 38 1	353-849	Sleeve	15 39 1
353-550	Plug Assembly	15 13 1	353-850	O-Ring	16 56 1
353-559	Retainer - Boot	13 22 2	353-851	Body - Relief CP-RC Mod.	13 12 1
353-559	Retainer - Boot	15 47 3	353-851	Body - Relief CP-RC Mod.	15 29 2
353-560	Washer - Breather	13 23 2	353-853	Bolt - Hex Hd.	15 10 3
353-560	Washer - Breather	16 48 3	353-854	Boot - Spool Assembly	14 * 2
353-563	Fitting - Hydraulic Straight	20 25 1	353-854	Boot - Spool Assembly	16 * 3
353-575	Boot - Dust Cap	13 21 2	353-855	Spring	13 18 2
353-575	Boot - Dust Cap	15 46 3	353-855	Spring	15 44 1
353-579	Spring	13 45 1	353-884	Key - Woodruff	29 19 4
353-586	Bearing - Needle	33 13 4	353-886	Ring - Retaining	29 18 2
353-588	Cover - Motor	33 3 1	353-922	Seal - Ring	29 23 10
353-591	Block - Anti-Extrusion	33 8 1	353-923	Bearing Plate Assembly	29 26 2
353-592	Drive Shaft Assembly	33 16 1	353-952	Ring - Backup	13 32 1
353-593	Idle Gear Assembly	33 7 1	353-953	Plug Assembly	16 54 1
353-594	Seal Assembly	33 14 1	353-957	Seal - Lip	15 15 6
353-595	Plate - Wear	33 15 1	353-957	Seal - Lip	13 26 4
353-596	O-Ring	33 17 1	353-958	Ring - Backup	15 16 1
353-597	Bridging - Insert	33 5 1	353-964	Gear - 66B	29 21 1
353-598	Gasket - Insert	33 6 1	353-967	Gear - 33B	29 24 6
353-599	Pin - Dowel	33 4 2	353-969	Plate - Gear 33B	29 25 3
353-600	Washer	33 2 4	353-971	Plate - Gear 66B	29 14 1
353-601	Screw - Hex Socket Hd.	33 1 4	354-1	Shaft - Drive	29 20 1
353-642	Relief - RC Mod.	14 * 2	354-2	Body Assembly	29 15 1
353-642	Relief - RC Mod. Assembly	16 * 1	354-3	Bearing Plate Assembly	29 22 1
353-668	Plate - Cap, Cover RH	15 11 1	354-4	Bearing Plate Assembly	29 28 1
353-721	Plug	13 35 2	354-5	Adapter - Splined	29 27 1
353-727	Bonnet	13 2 1	354-6	Plate - Gear 18B	29 30 1
353-728	Sleeve	14 49 1	354-7	Cover Assembly	29 31 1
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353-733	Spacer - Bonnet	13 4 1	354-12	Pin - Dowel	29 6 2
353-733	Spacer - Bonnet	15 19 2	354-13	Pin - Dowel	29 11 4
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353-768	Section #1 Complete	14 * 1	354-26	Bonnet	15 27 2
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*Not Illustrated

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354-122	Disc - Seal	16	52	1					
354-129	Anticavitation Check Assy.	16	*	1					

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

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

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

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

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

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