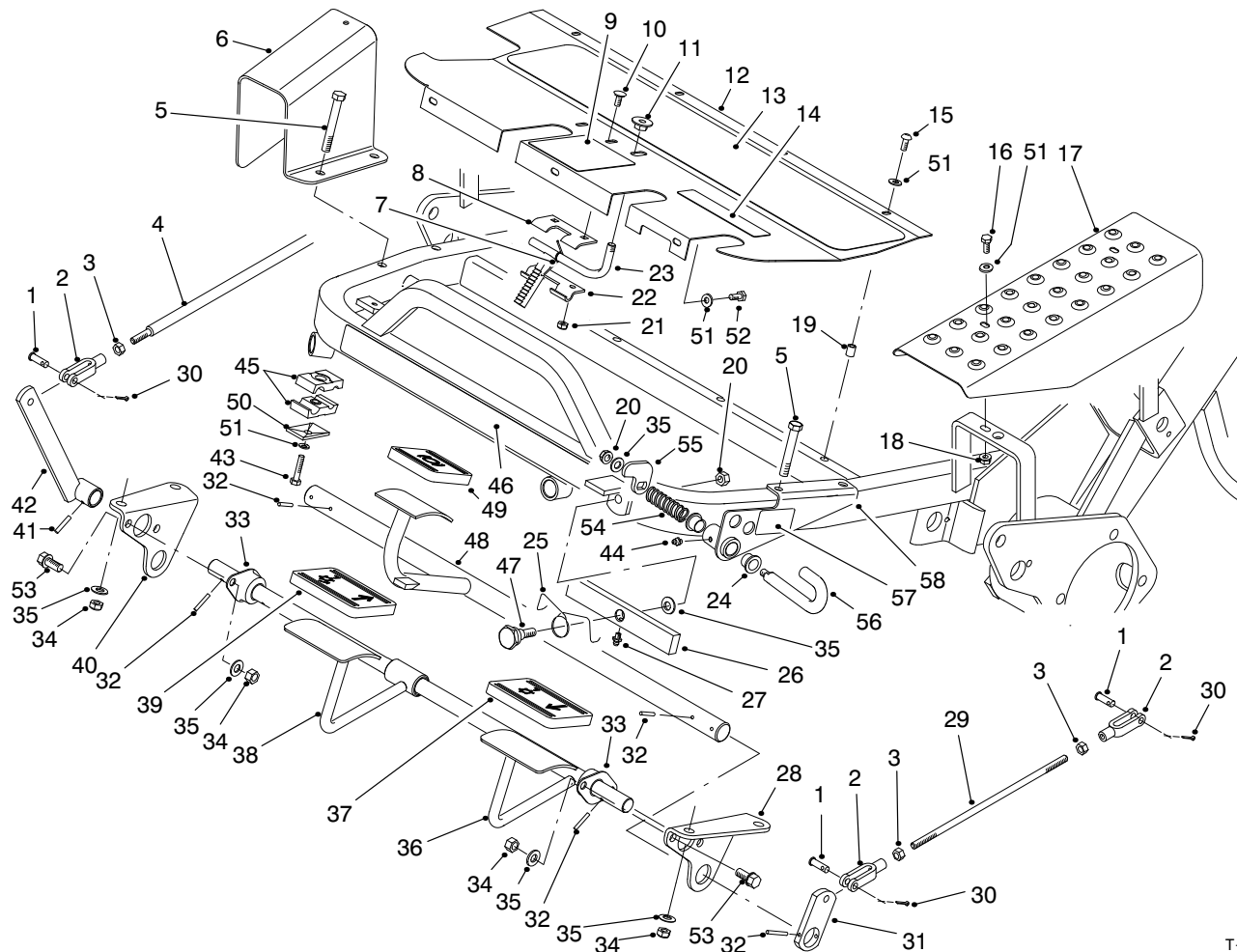




MODEL NO. 04353-80001 & UP	PARTS CATALOG
GREENMASTER® 3100 TRACTION UNIT	

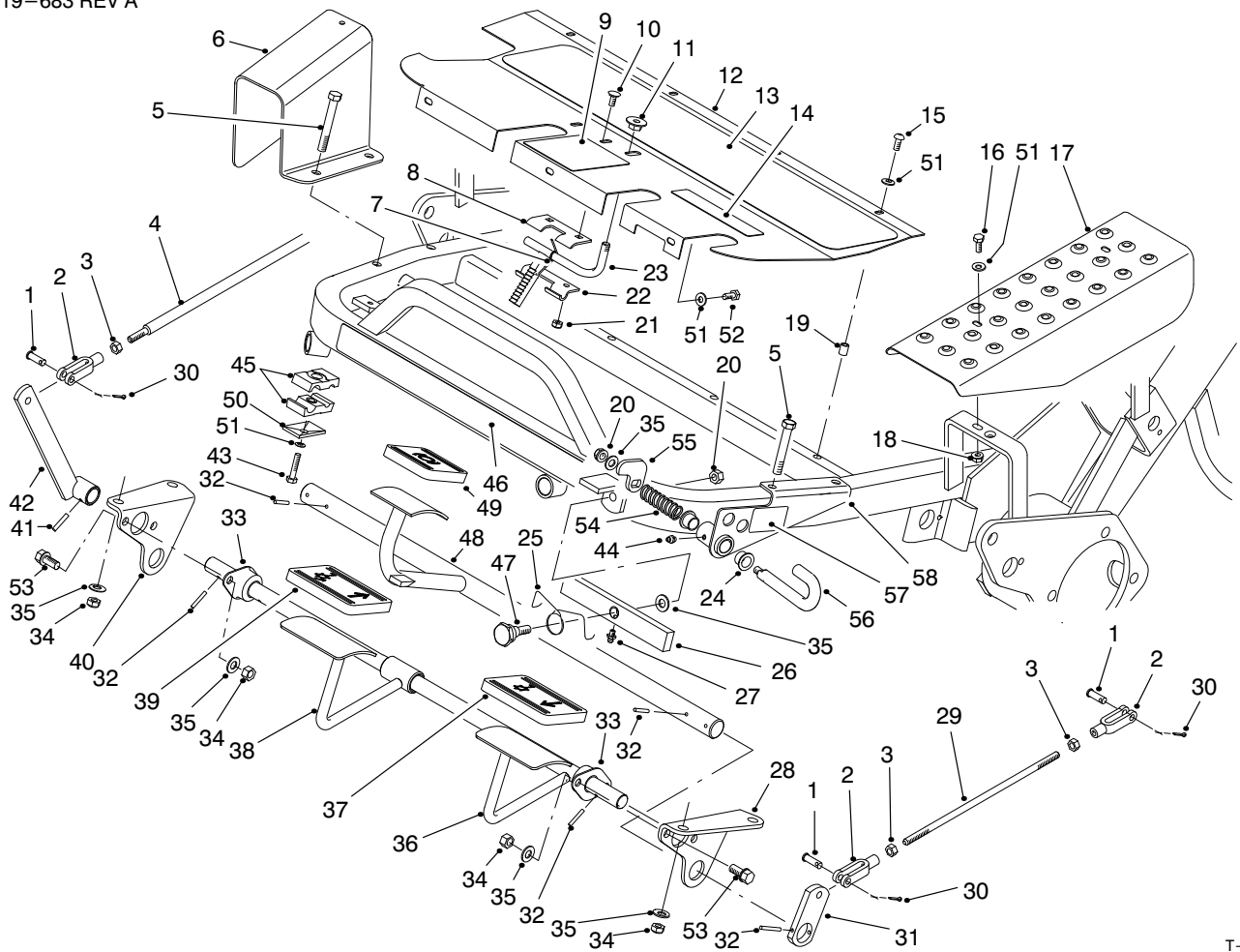


T-1285B

CONTROL PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	283-61	Pin - Clevis	5
2	282-2	Clevis - Adjusting	5
3	3220-2	Nut - Jam	5
4	49-5430	Rod - Control	1
5	323-13	Screw - HH	4
6	49-6110	Guard - Transfer Rod	1
7	10-8140	Spring - Torsion	1
8	95-1628	Hinge - Upper	1
9	93-8062	Decal - Parking Brake	1
9	83-2480	Decal - Parking Brake (Japanese)	1
10	3229-22	Bolt - Carriage	2
11	32141-111	Nut - Flange Lock	1
12	83-0640	Plate - Footrest	1
13	49-6120	Pad - Footrest	1
14	93-8075	Decal - Mow/Lift	1
14	83-2530	Decal - Mow/Lift (Japanese)	1

Ref. No.	Part No.	Description	No. Used
15	3274-31	Screw - HSH	4
16	321-4	Screw - HH	2
17	83-0200	Cover - LH	1
18	32128-33	Nut - Flange Lock	2
19	32148-6	Insert - Threaded	8
20	3296-39	Nut - Lock	2
21	3296-16	Nut - Lock	2
22	95-1629	Hinge - Lower	1
23	10-7850	Latch - Parking Brake	1
24	3-1506	Bushing	2
25	83-0080	Spring - Torsion	1
26	83-0060	Lift - Pivot	1
27	302-5	Fitting - Grease	1
28	88-9640	Lift Pivot Bracket LH	1
29	27-2270	Rod - Brake Adjusting	2
30	3272-6	Pin - Cotter	5
31	10-8100	Strap - Brake Shaft	2

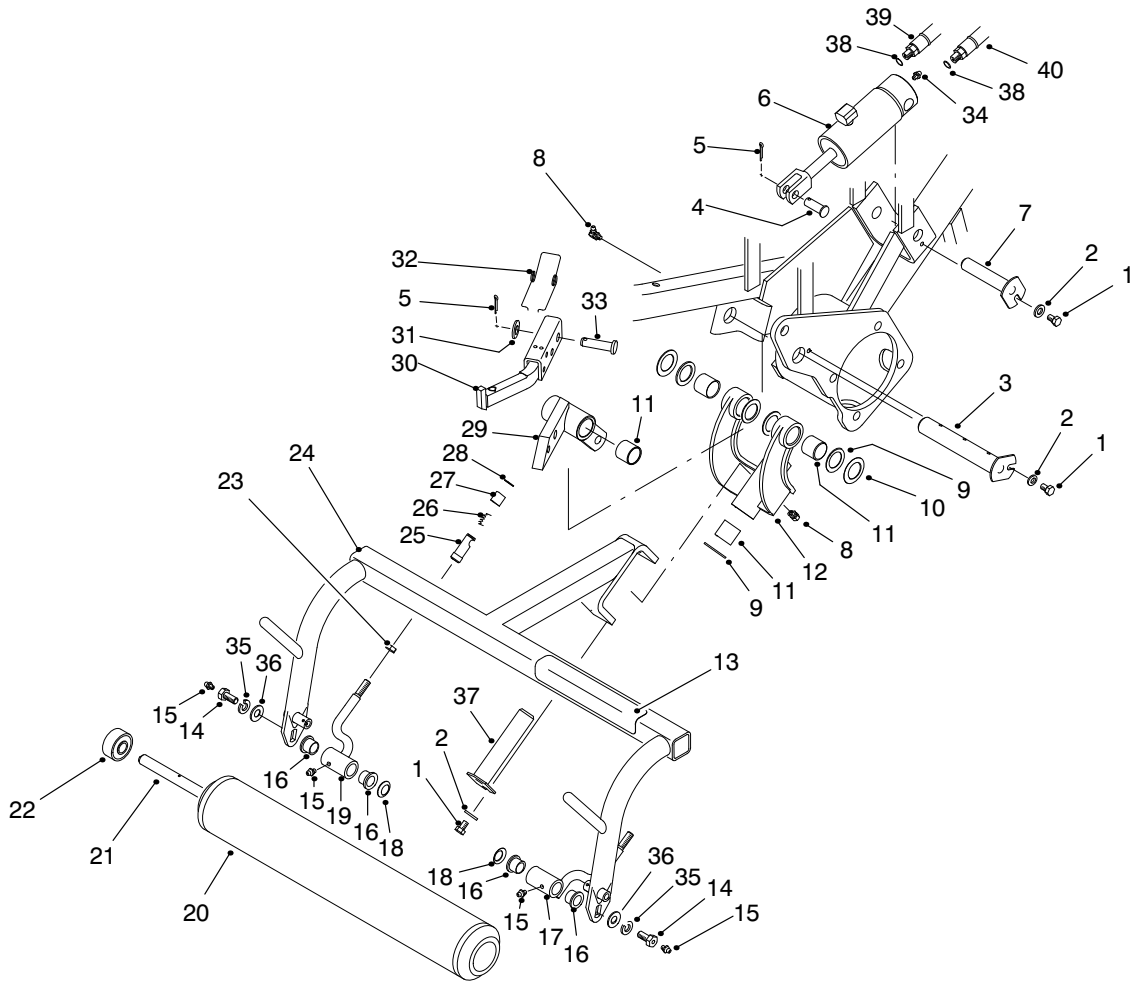


T-1285B

CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
32	32121-35	Pin - Roll	8	47	83-2590	Bolt - Eccentric	1
33	27-2320	Bearing - Flange	2	48	83-0160	Shaft - Brake	1
34	3296-59	Nut - Lock	8	49	93-7629	Pad - Brake	1
35	3256-38	Washer - Flat	6	50	69-9760	Plate - Cover	1
36	88-9660	Shaft - Cutting Control	1	51	3256-1	Washer - Flat	9
37	93-7631	Pad - Lift	1	52	321-3	Screw - HH	3
38	83-0140	Pedal - Mow	1	53	3234-1	Screw - HH	4
39	93-7630	Pad - Mow	1	54	76-0410	Spring	1
40	88-9630	Lift Pivot Bracket RH	1	55	93-9904	Arm - Lock Out, Mow	1
41	32121-6	Pin - Roll	1	56	93-9903	Pin - Lock Out, Mow	1
42	49-6200	Lever - Cutting Control	1	57	93-9898	Decal - Lock	1
43	321-11	Screw - HH	1	58	93-9901	Bracket - Lock Out, Mow	1
44	302-5	Fitting - Grease	1	*	37-8130	Basket - Grass	3
45	56-7970	Clamp Half - Tube	2	*	65-8320	Bar - Gauge	1
46	88-9620	Decal - Greensmaster 3100	1				

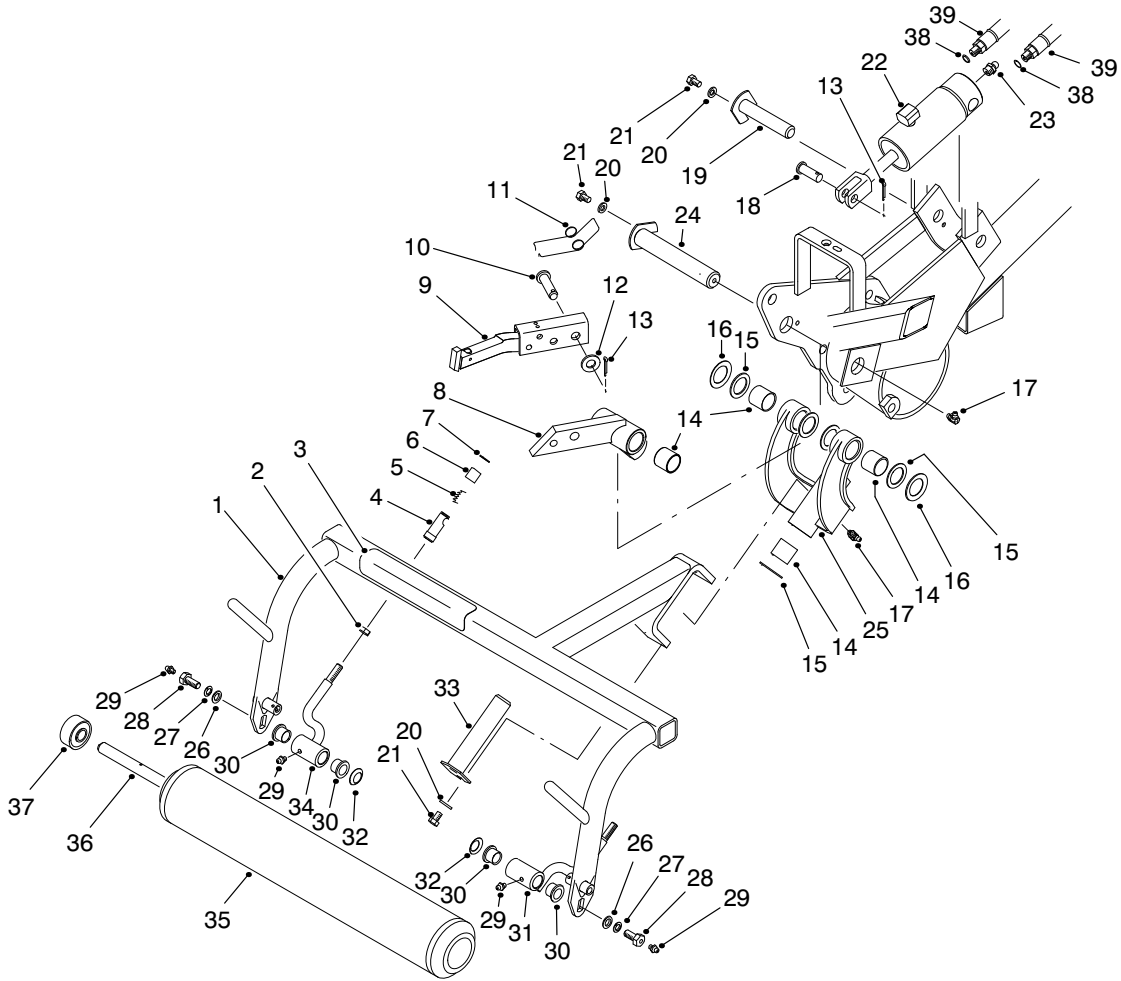
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T-1283

PULL FRAME ASSEMBLY L.H.

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

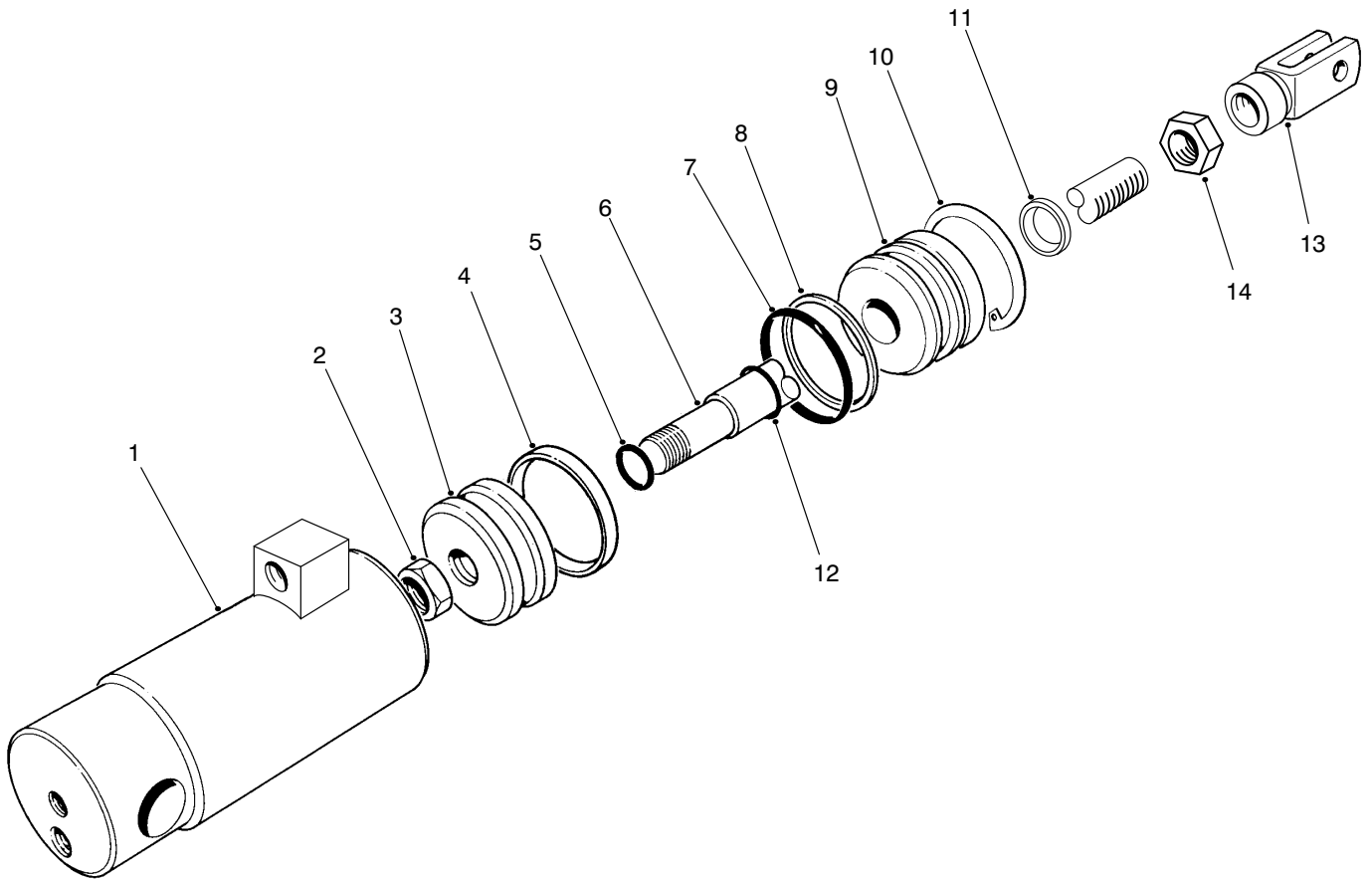


T-1284

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	92-9177	Frame - Pull, RH	1
2	3220-3	Nut - Jam	2
3	93-8064	Decal - Danger	1
3	84-6560	Decal - Danger (Japanese)	1
4	94-2959	Asm-Ball Joint Receiver (Incl. Ref. #5-7)	2
5		Spring - Compression	2
6		Sleeve	2
7		Ring - Retaining	2
8	62-2440	Asm-Lift Arm (Incl. Ref. #14)	1
9	94-5588	Bar - Lift, RH	1
10	63-8750	Pin - Pivot	1
11	57-7650	Spring - Torsion	1
12	3256-26	Washer - Flat	1
13	3272-11	Pin - Cotter	2
14	3-0348	Bushing - Sleeve	6
15	10-8110	Washer - Thrust	6
16	5-1226	Washer - Shim	2
17	302-60	Fitting - Grease 90°	2
18	283-8	Pin - Clevis	1
19	10-6060	Pin - Pivot	1
20	3256-23	Washer - Flat	3
21	322-1	Screw - HH	3

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



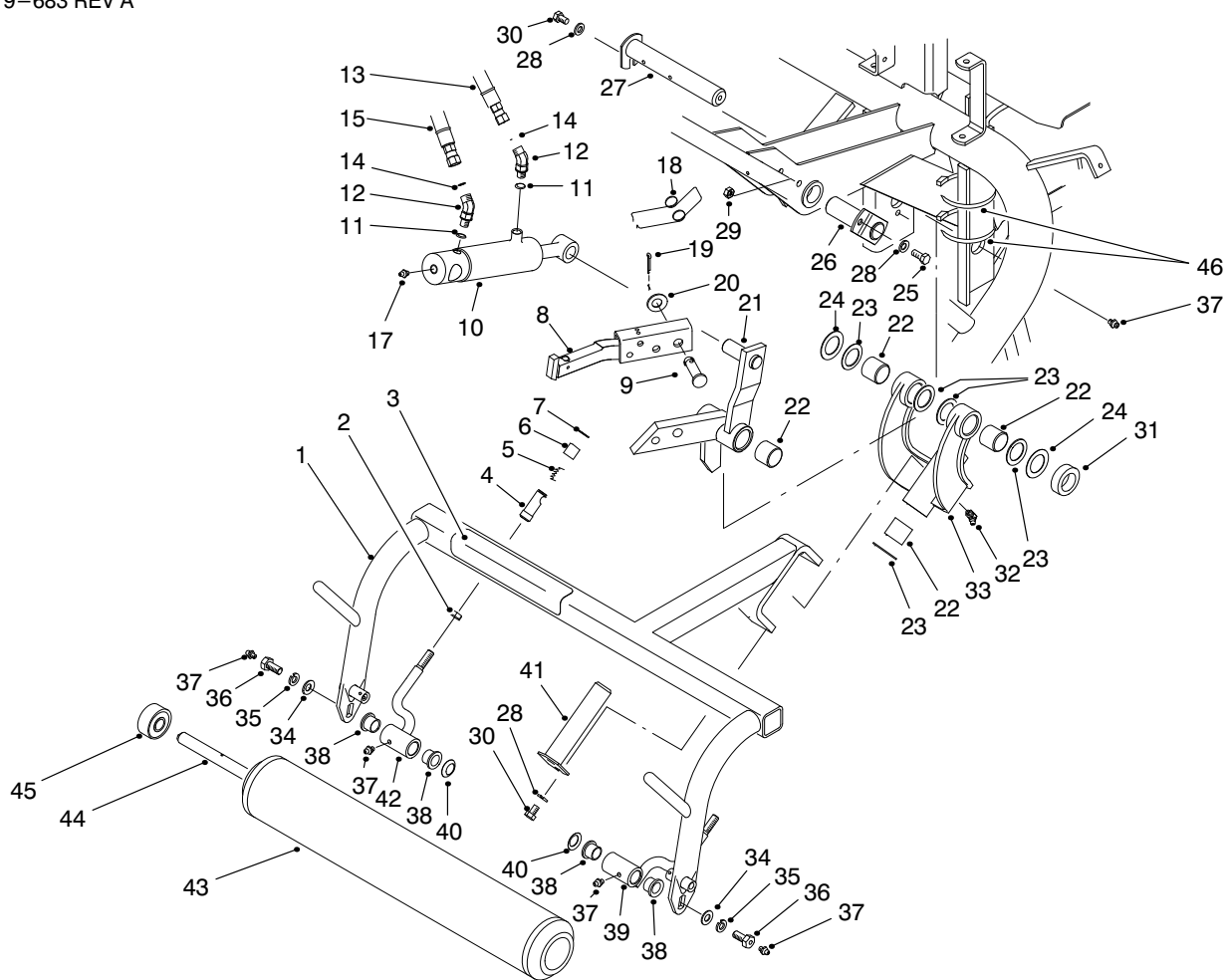
T-1246

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		O-Ring	1
6	76-1860	Shaft	1
7		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	Kit-Seal (Incl. Ref. #4, 5, 7, 8, 11 & 12)	1

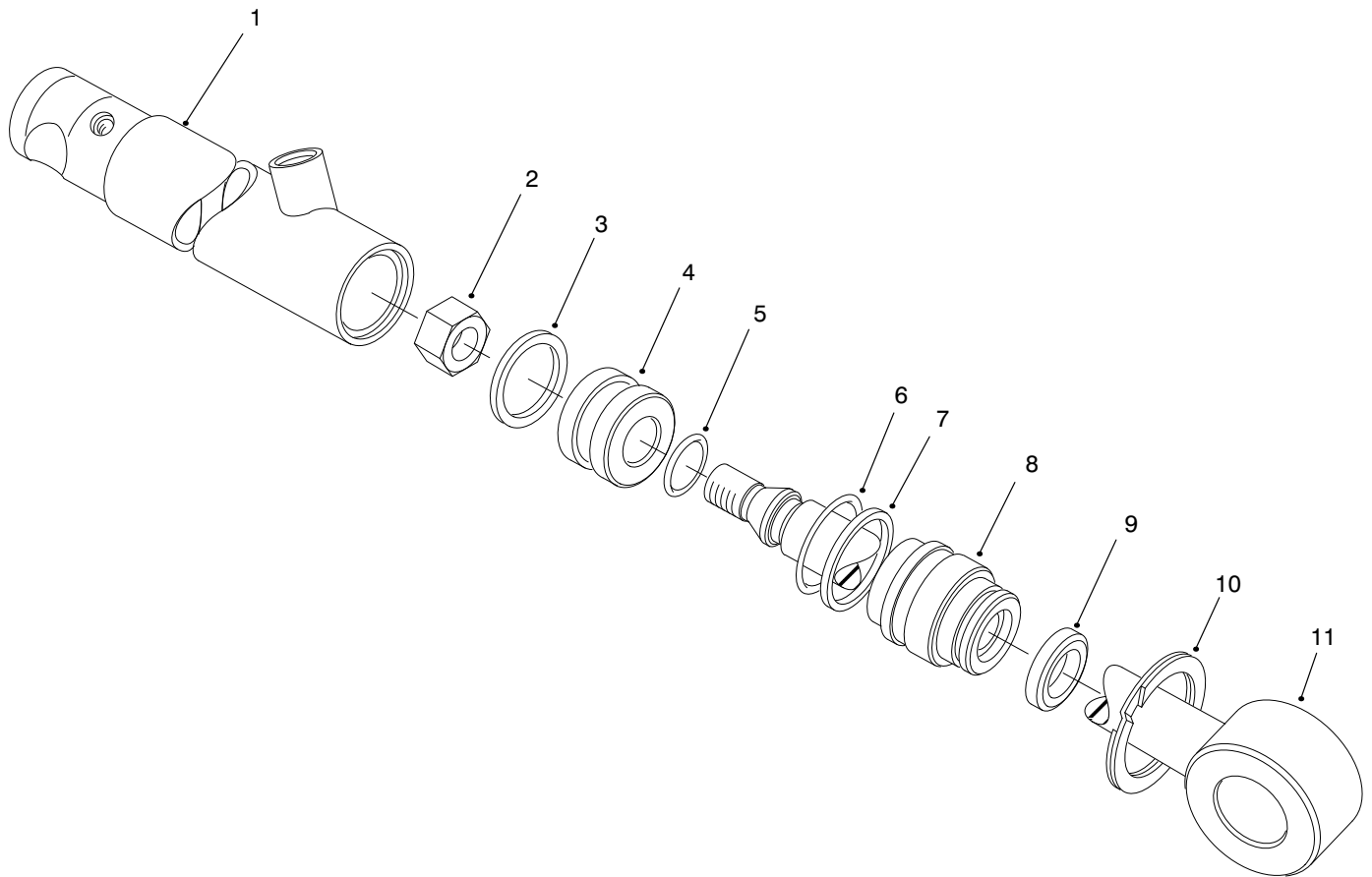
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T-1286-2

PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9820	Frame - Pull Rear	1	25	322-3	Screw - HH	1
2	3220-3	Nut - Jam	2	26	68-5560	Pin - Cylinder Pivot	1
3	93-8064	Decal - Danger	1	27	27-2550	Pin - Pivot	1
3	84-6560	Decal - Danger (Japanese)	1	28	3256-23	Washer - Flat	3
4	94-2959	Asm - Ball Joint Receiver (Incl. Ref. 5-7)	2	29	3296-29	Nut - Lock	1
5		Spring - Compression	2	30	322-1	Screw - HH	2
6		Sleeve	2	31	93-2384	Spacer - Carrier	1
7		Ring - Retaining	2	32	302-60	Fitting - Grease 90°	1
8	62-2420	Bar - Lift	1	33	10-7820	Asm - Pivot Hinge (Incl. Ref. #22)	1
9	63-8750	Pin - Pivot	1	34	3256-24	Washer - Flat	2
10	83-7230	Asm - Hydraulic Cylinder	1	35	3253-21	Washer - Lock	2
11	237-35	O-Ring	2	36	11-0160	Asm - Roller Shaft Screw (Incl. Ref. #37)	2
12	340-103	Fitting - Hydraulic 45° (Incl. Ref. #11 & 14)	2	37	302-5	Fitting - Grease, Straight	5
13	83-1680	Hose - Hydraulic	1	38	3-1506	Bushing - Flange	4
14	237-78	O-Ring	2	39	92-0586	Asm - Pull Arm, LH (Incl. Ref. #38)	1
15	88-9700	Hose - Hydraulic	1	40	3290-317	Washer - Wave	2
17	302-2	Fitting - Grease	1	41	10-6090	Pin - Pivot	1
18	57-7650	Spring - Torsion	1	42	92-0585	Asm - Pull Arm, RH (Incl. Ref. #38)	1
19	3272-11	Pin - Cotter	1	43	52-2720	Asm - Roller (Incl. Ref. #45)	1
20	3256-26	Washer - Flat	1	44	21-8470	Shaft - Roller	1
21	68-5380	Asm - Lift Arm (Incl. Ref. #22)	1	45	251-141	Bearing - Ball	2
22	3-0348	Bushing - Sleeve	6	46	3290-379	Tie - Cable	1
23	10-8110	Washer - Thrust	6				
24	5-1226	Washer - Shim	2				



T-0640

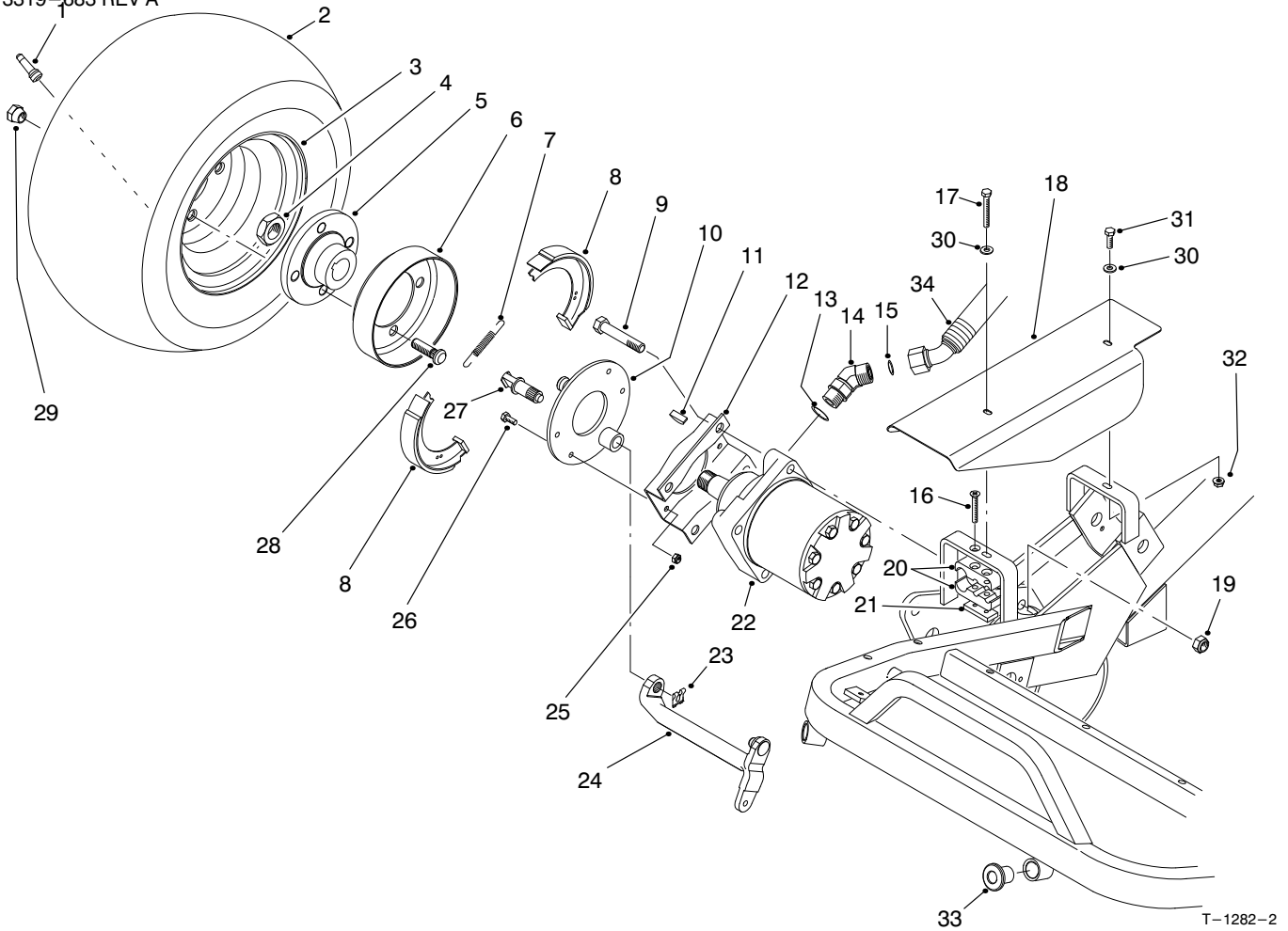
HYDRAULIC CYLINDER NO. 83-7230

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		O-Ring	1
6		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	Kit - Repair (Incl. Ref. #3, 5-7 & 9)	1

*Not Illustrated

3319-683 REV A

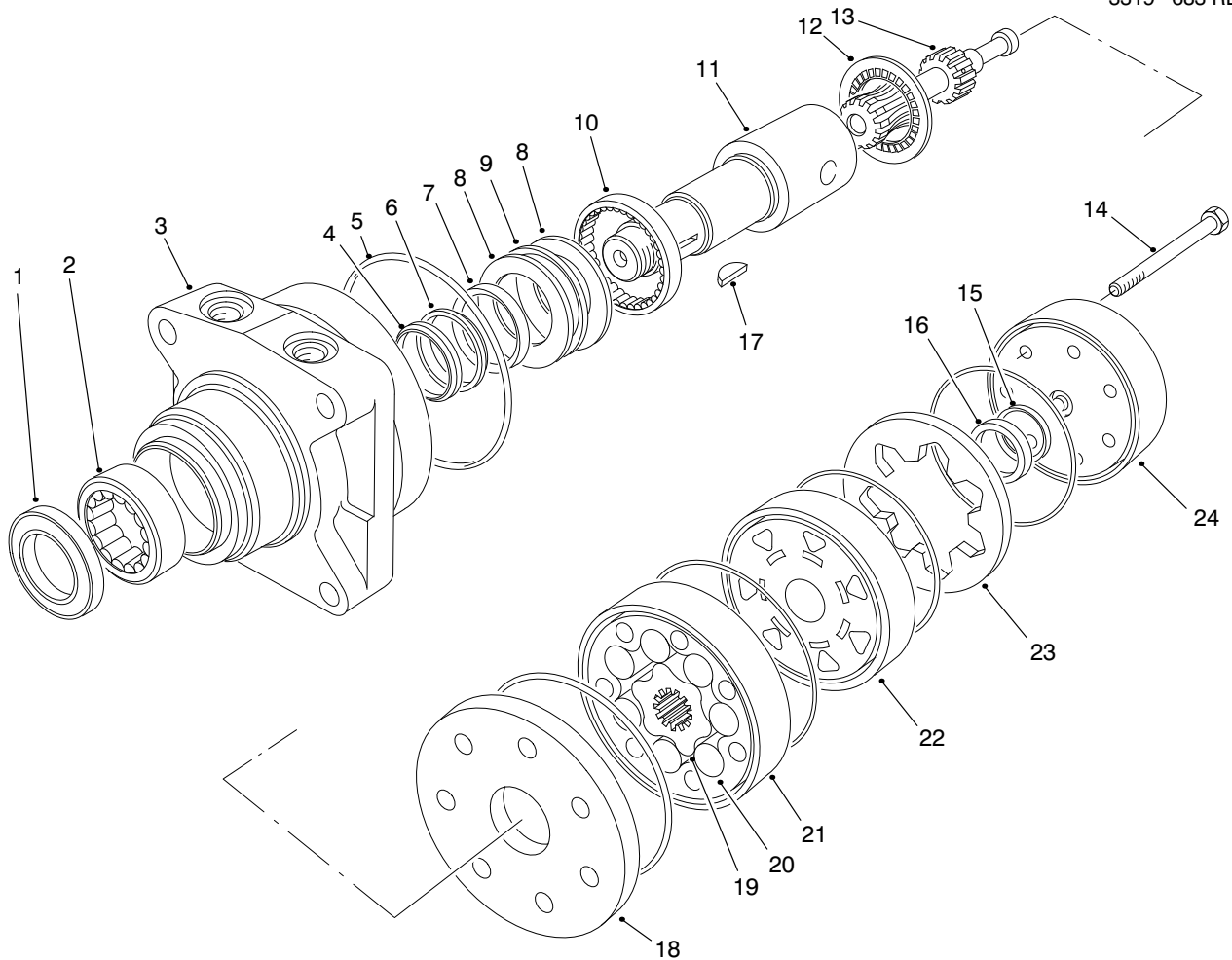


FRONT WHEEL & BRAKE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
21	83-1220	Plate - Clamp	1
22	92-9199	Motor - Hydraulic	2
23	70-9850	Clip - Retaining	2
24	93-2096	Arm - Brake	2
25	3296-42	Nut - Lock	8
26	321-5	Screw - HH	8
27	70-9860	Cam - Brake	2
28	85-6540	Stud - Drive	8
29	242-50	Nut - Lug	8
30	3256-22	Washer - Flat	2
31	321-4	Screw - HH	1
32	32128-33	Nut - Lock	1
33	83-1700	Bushing - Flange	2
34	98-0647	Hose - Hydraulic (Top)	1
*	98-0646	Hose - Hydraulic (Bottom)	1
*	10-6821	Asm-Brake Drum (Incl. Ref. #5, 6 & 28)	2
*	71-1500	Asm-Brake (Incl. Ref. #7, 8, 10, 23 & 27)	2

*Not Illustrated

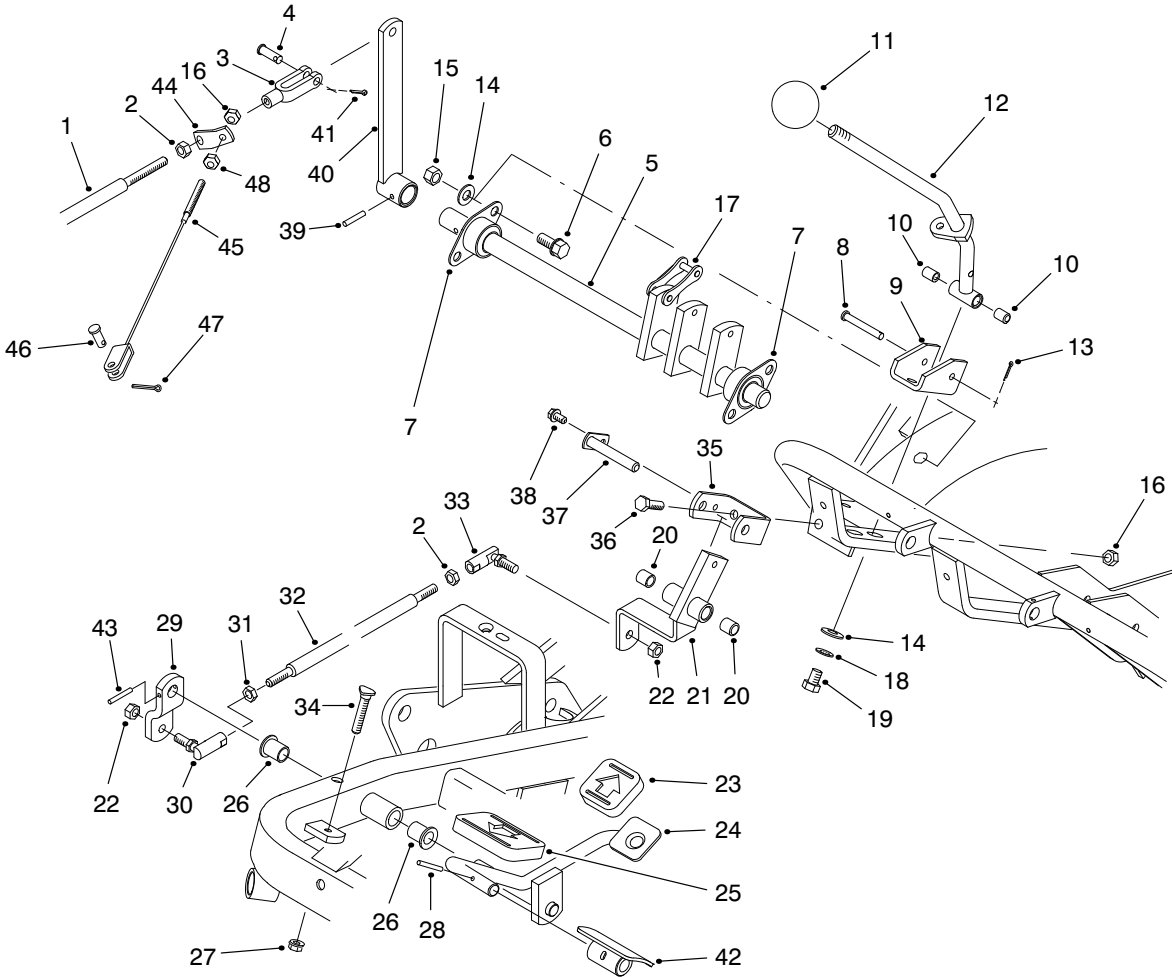


T-0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92-9199

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

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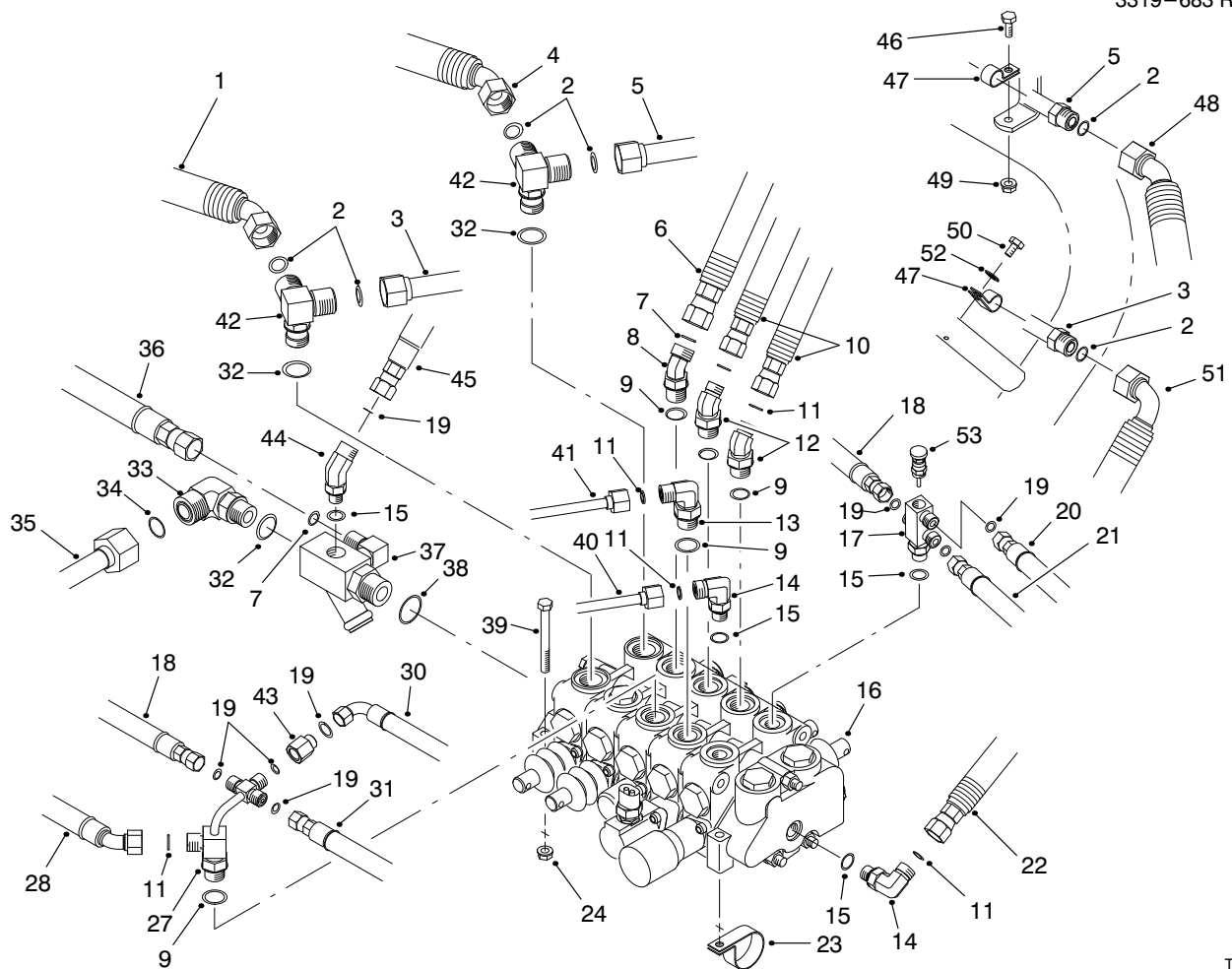


T-1287

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 - HHF	4
7	27-2320	Bearing - Flange	2
8	283-57	Pin - Clevis	1
9	49-6220	Bracket - Control Arm	1
10	256-251	Bushing - Sleeve	2
11	233-48	Knob	1
12	93-9934	Asm - Traction Handle (Incl. Ref. #10)	1
13	3272-4	Pin - Cotter	1
14	3256-24	Washer - Flat	6
15	3296-59	Nut - Lock	4
16	3296-29	Nut - Lock	3
17	57-6220	Link	5
18	3254-6	Washer - I.T.L.W.	2
19	3211-2	Screw - HH	2
20	256-2	Bushing - Sleeve	2
21	49-6260	Asm - Pivot, Traction (Incl. Ref. #20)	1
22	3296-4	Nut - Lock	2
23	74-9110	Pad - Reverse Pedal	1

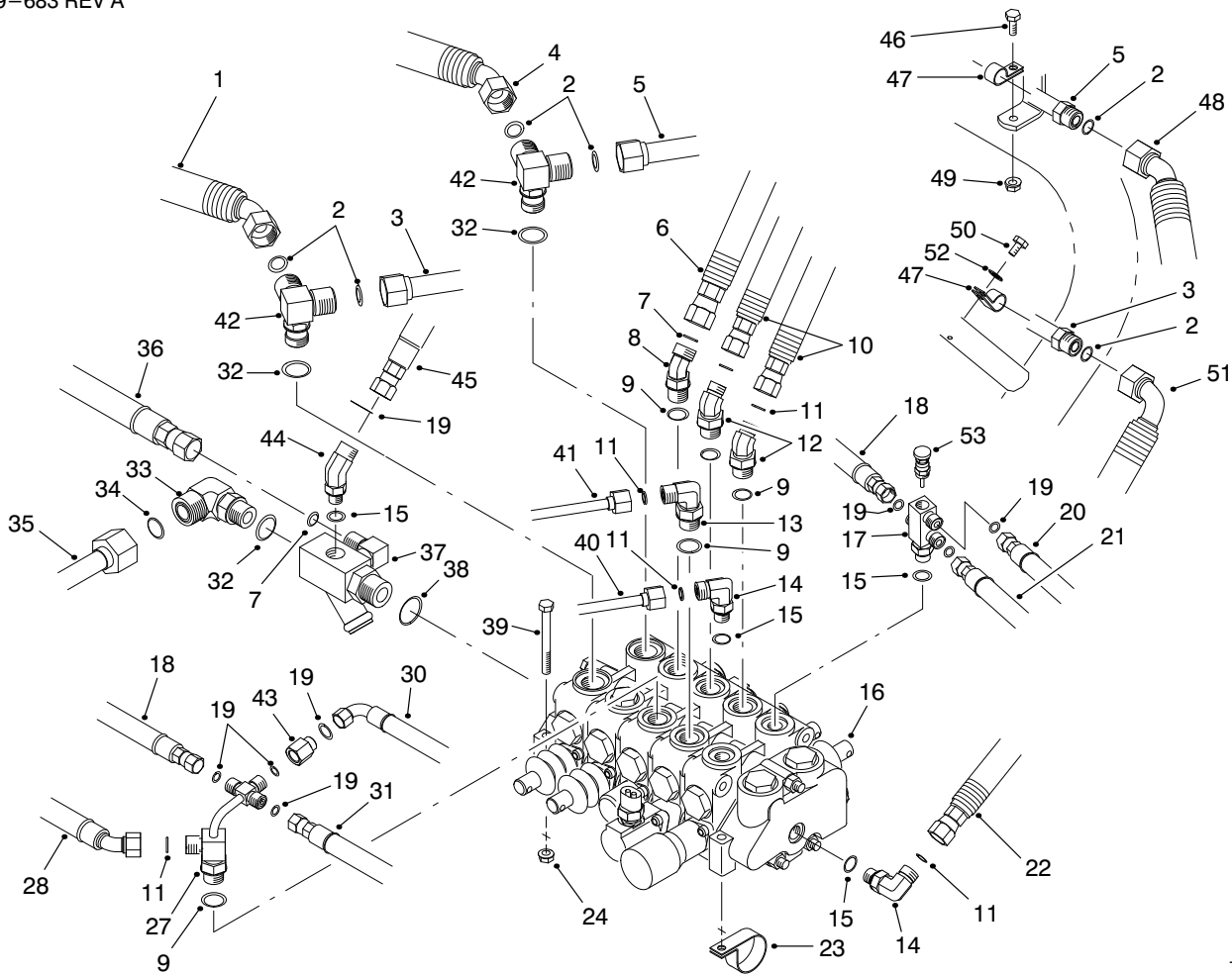
Ref. No.	Part No.	Description	No. Used
24	83-0540	Pedal - Traction	1
25	74-9100	Pad - Forward Pedal	1
26	256-155	Bushing - Flange	2
27	32128-20	Nut - Flange Lock	1
28	32121-45	Pin - Roll	1
29	83-0630	Arm - Traction Pivot	1
30	2411-42	Joint - Ball LH Thread	1
31	3220-20	Nut - Jam LH Thread	1
32	83-0580	Rod - Traction Control	1
33	2411-43	Joint - Ball RH Thread	1
34	17-9420	Screw - Traction Stop	1
35	49-6250	Bracket - Traction Pivot	1
36	322-5	Screw - HH	2
37	49-6290	Shaft - Traction Pivot	1
38	12-3270	Screw - HWH	1
39	32121-6	Pin - Roll	1
40	47-5320	Lever - Control	1
41	3272-6	Pin - Cotter	1
42	49-6440	Pedal - Forward	1
43	32121-51	Pin - Roll	1
44	93-9936	Bracket - Cable	1
45	93-9937	Cable - Traction Return	1
46	283-62	Pin - Clevis	1
47	3272-10	Pin - Cotter	1
48	3217-6	Nut - Hex.	1



T-1294-3

CONTROL VALVE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	98-0647	Hose - Hydraulic	1	21	83-1690	Hose - Hydraulic	1
2	237-65	O-Ring	6	22	98-2150	Hose - Hydraulic	1
3	70-7130	Asm-Tube (Incl. Ref. #2)	1	23	304-61	Clamp - R	1
4	98-0646	Hose - Hydraulic	1	24	32128-20	Nut - Flange Lock	3
5	83-1200	Asm-Tube (Incl. Ref. #2)	1	27	83-1670	Fitting - Special (Incl. Ref. #9, 11 & 19)	1
6	98-2151	Hose - Hydraulic	1	28	74-3830	Hose - Hydraulic	1
7	237-30	O-Ring	2	30	83-1680	Hose - Hydraulic	1
8	340-101	Fitting - Hydraulic 45° (Incl. Ref. #7 & 9)	1	31	63-3850	Hose - Hydraulic	1
9	237-79	O-Ring	4	32	237-80	O-Ring	3
10	98-0649	Hose - Hydraulic	2	33	340-16	Fitting - Hydraulic 90° (Incl. Ref. #32 & 34)	1
11	237-22	O-Ring	6	34	237-58	O-Ring	1
12	340-138	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	2	35	63-4040	Tube - Hydraulic	1
13	340-18	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	1	36	63-3840	Hose - Hydraulic	1
14	340-77	Fitting - Hydraulic 90° (Incl. Ref. #11 & 15)	2	37	68-5260	Fitting - Manifold Tee (Incl. Ref. #7 & 38)	1
15	237-42	O-Ring	4	38	237-81	O-Ring	1
16	84-2203	Asm-Control Valve	1	39	322-14	Screw - HH	3
17	93-2555	Fitting - Valve Body (Incl. Ref. #15 & 19)	1	40	63-4020	Tube - Hydraulic	1
18	92-9767	Hose - Hydraulic	2	41	63-4030	Tube - Hydraulic	1
19	237-21	O-Ring	6	42	63-4050	Fitting - Tee (Incl. Ref. #2 & 32)	2
20	88-9700	Hose - Hydraulic	1	43	71-0990	Orifice (Incl. Ref. #19)	1
				44	340-137	Fitting - Hydraulic 45° (Incl. Ref. #15 & 19)	1
				45	83-1350	Hose - Hydraulic	1



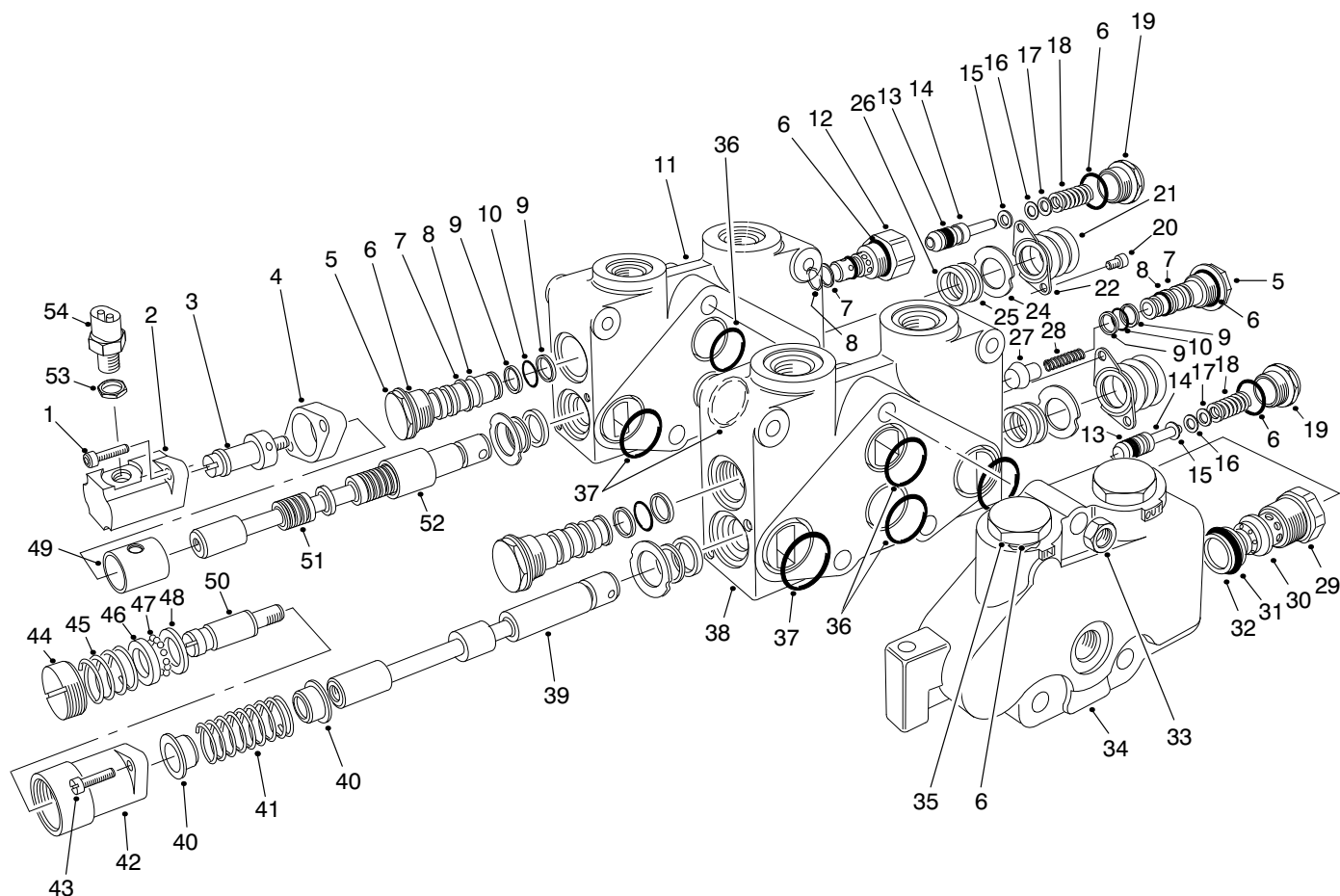
T-1294-2

CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
46	3234-4	Screw - HH	1
47	2412-41	Clamp-R	2
48	98-0648	Hose - Hydraulic	1
49	3296-16	Nut - Lock	1
50	12-3270	Screw - Thread Forming	1

Ref. No.	Part No.	Description	No. Used
51	98-2153	Hose - Hydraulic	1
52	3256-22	Washer - Flat	1
53	93-2554	Valve - Needle	1
*	93-2556	Asm-Needle Valve (Incl. Ref. #15, 17, 19 & 53)	1

*Not Illustrated

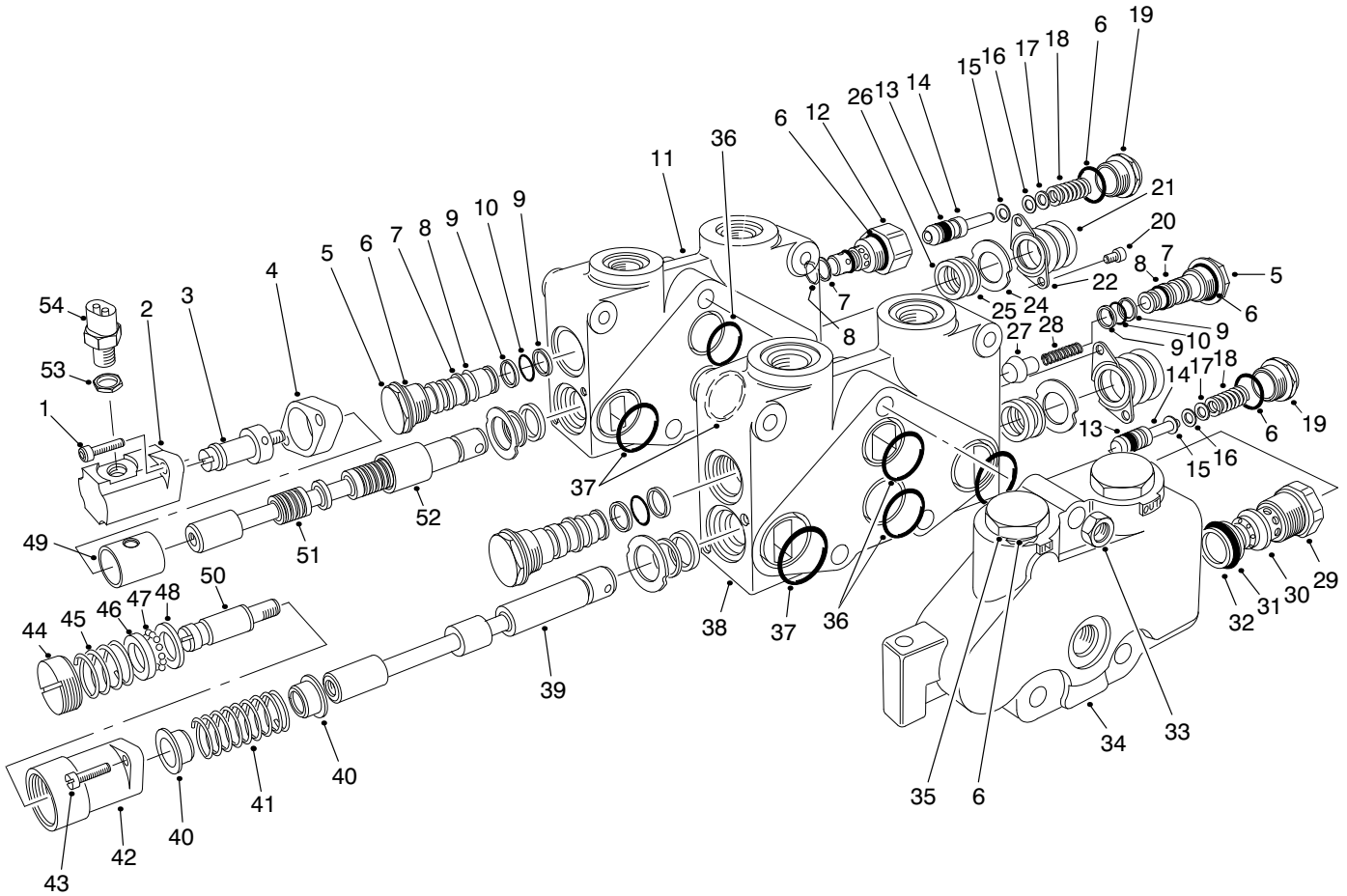


T-1318

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-70	Screw - HSH	2	25	92-2546	Wiper - Seal	4
2	353-727	Bonnet	1	26	353-957	Seal - Lip	4
3	353-729	Spud - Detent	1	27	353-301	Poppet	1
4	353-733	Spacer - Bonnet	1	28	353-304	Spring	1
5	353-481	Plug - Load Check (Incl. Ref. #6-10)	3	29	353-331	O-Ring	1
6	237-54	O-Ring	8	30	353-760	Body Relief	1
7	353-306	Ring - Backup	4	31	353-758	O-Ring	1
8	353-305	O-Ring	4	32	353-952	Ring - Backup	1
9	353-303	Ring - Backup	6	33	3217-7	Nut - Hex	3
10	353-302	O-Ring	3	34	353-772	Left End Cover	1
11		Housing V20T	1	35	353-721	Plug (Incl. Ref. #6)	2
12	353-851	Body - Relief CP-RC Mod.	1	†36		O-Ring	3
13	353-392	Seal - Relief Poppet PTFE	2	†37		O-Ring	4
14	353-531	Asm-Poppet (Incl. Ref. #13)	2	†38		Housing Section #1	1
15	353-328	Washer - Shim	A/R	†39		Spool V20 SPL	1
16	353-329	Washer - Shim	A/R	40	353-417	Collar Spring	2
17	353-330	Washer - Shim	A/R	41	92-3058	Spring - Centering	1
18	353-855	Spring	2	42	353-780	Bonnet - R. Detent	1
19	353-334	Cap - Relief	2	43	3274-15	Screw - Fillister Hd.	2
20	3274-52	Screw - HSH	4	44	353-763	Cap - Adjustment	1
21	353-575	Boot - Dust Cap	2	45	353-579	Spring	1
22	93-3651	Retainer - Boot	2	46	42-2680	Race R. Detent	1
24	92-2547	Plate - Seal Retainer	4	47	52-5880	Ball - Steel	12
				48	354-29	Plate - Thrust	1

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



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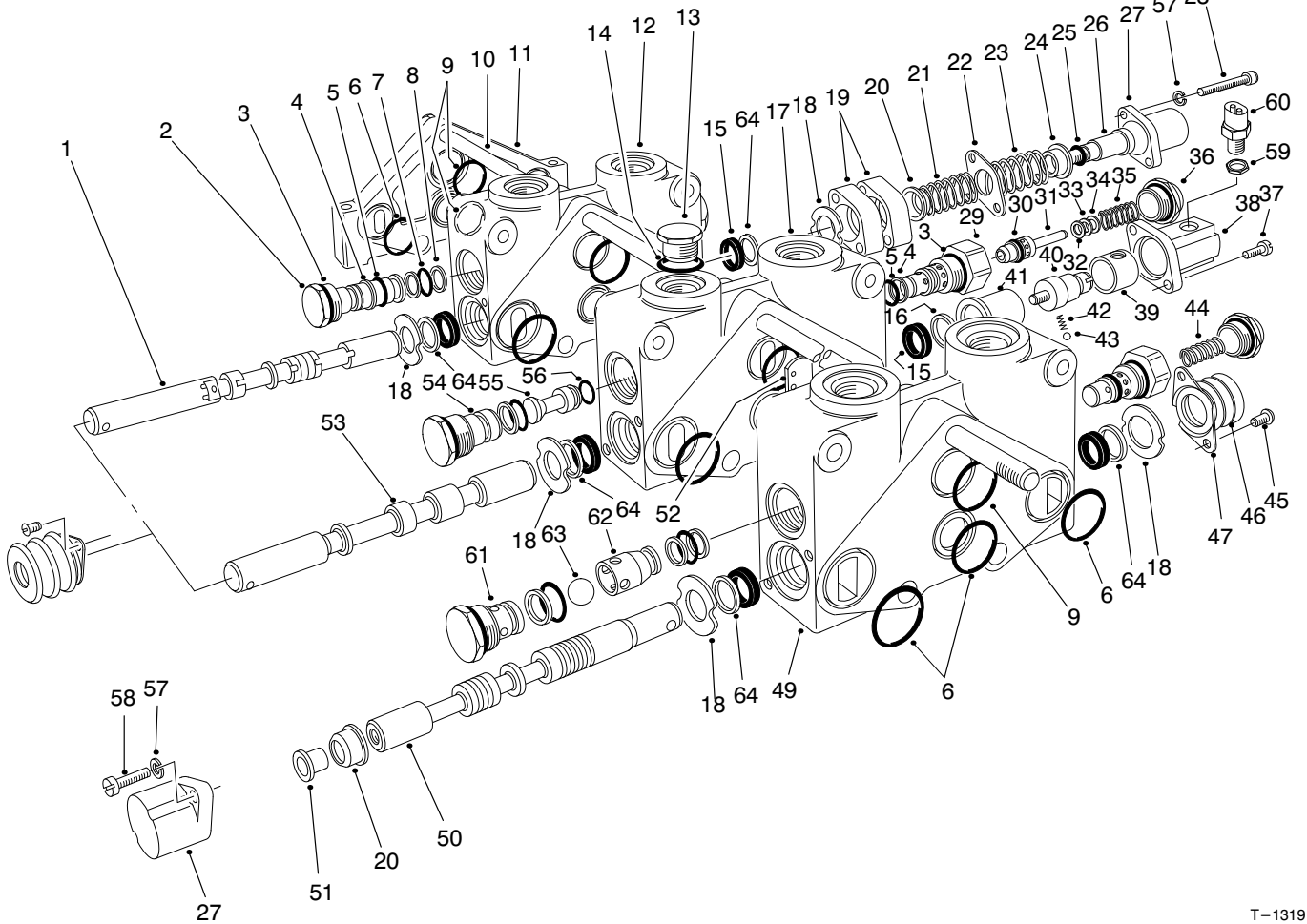
CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
50	353-728	Sleeve	1
49	353-762	Spud - Detent Out	1
†51		Spool V20 3 Way F.F.	1
52	353-732	Sleeve - Detent	1
53	38-0410	Nut - Hex.	1
54	83-1890	Switch - Ball	1
*	353-766	Asm-Relief WH (2000) PSI (Incl. Ref. #6,13-19 & 29-32)	1
*	353-768	Section #1 Complete	1
*	353-837	Section #2 Complete	1
*	353-780	Positioner - R. Detent (Out) (Incl. Ref. #40-49)	1

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



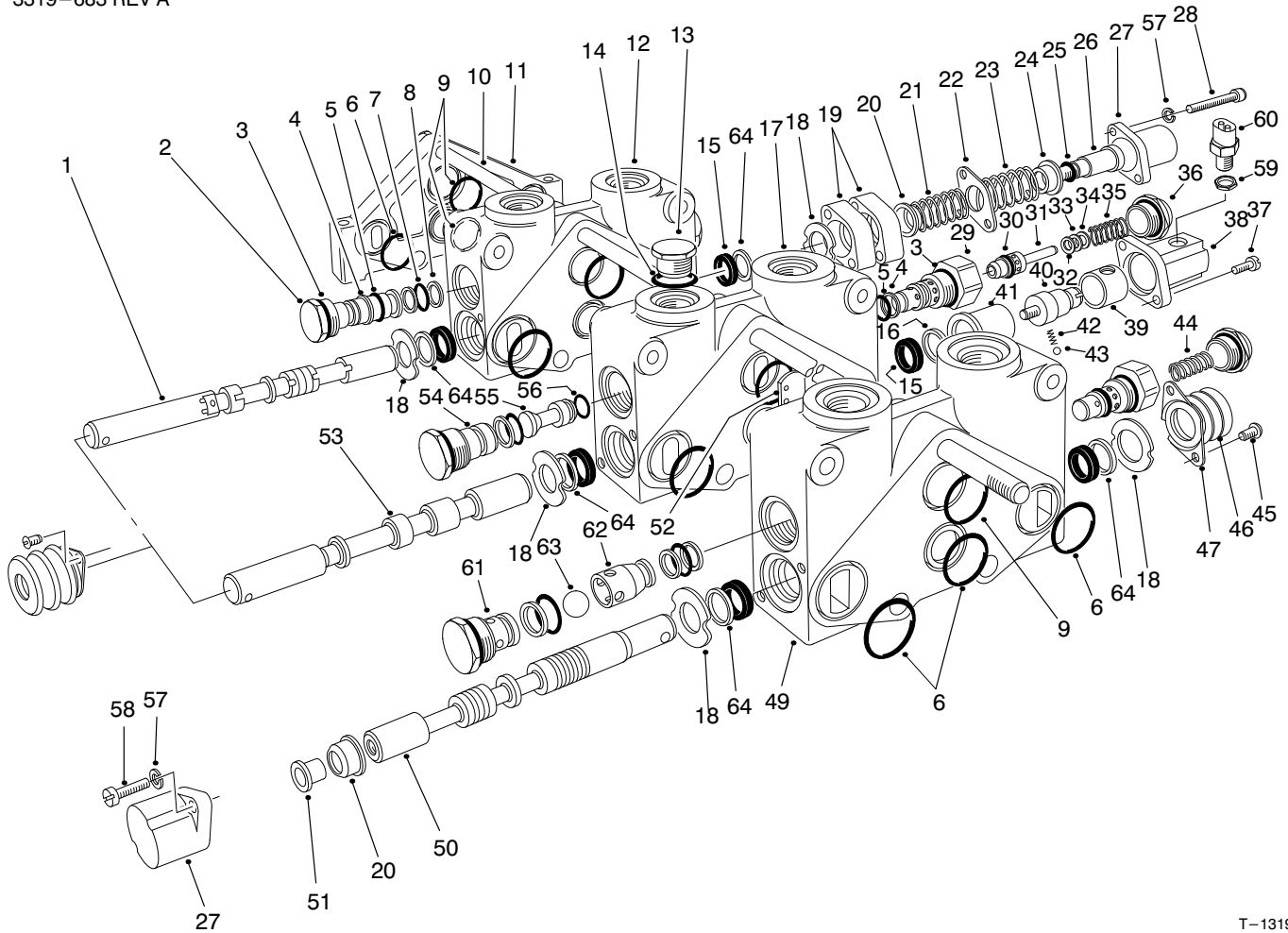
T-1319

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

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

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

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



T-1319

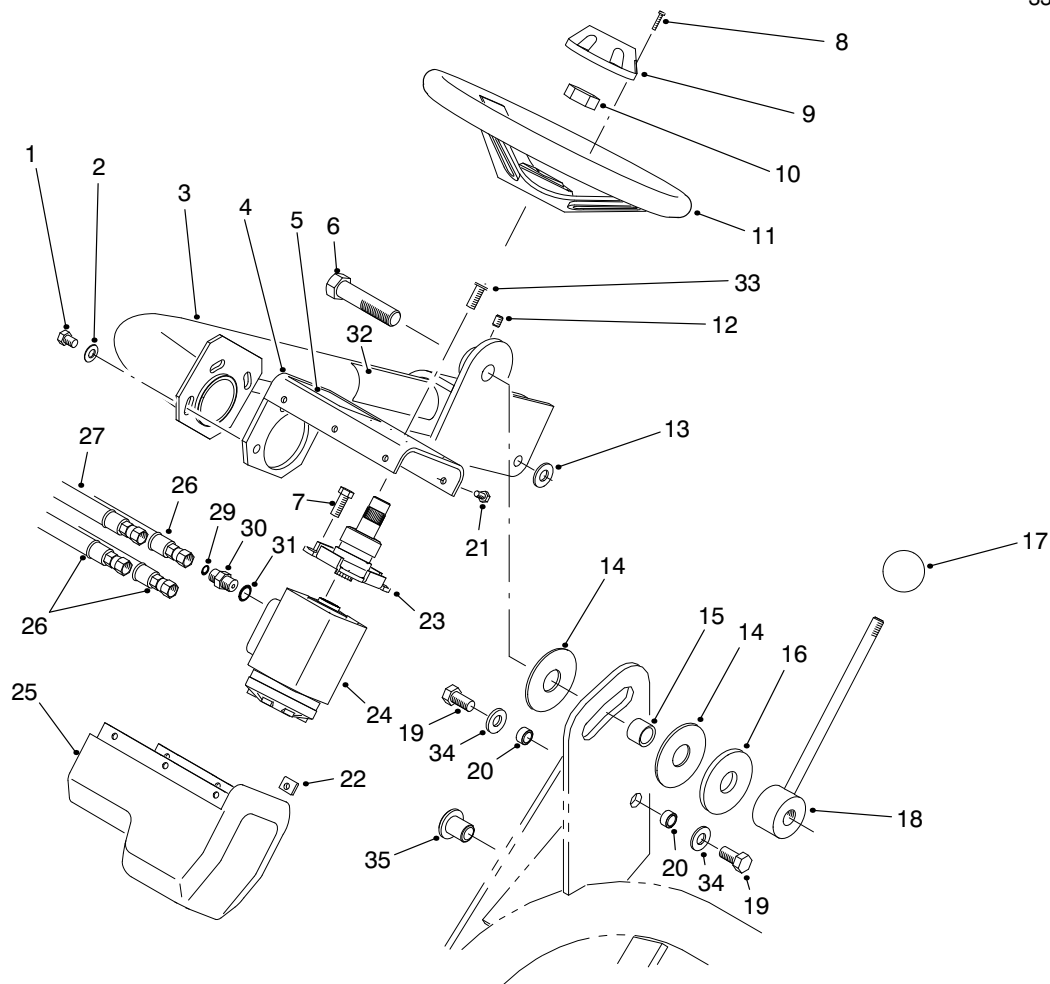
CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used
49		Housing V20 #2	1
†50		Spool V20 3 Way F.F.	1
51	52-5860	Collar - Spool	1
52	354-122	Disc - Seal	1
†53		Spool #4	1
54	353-953	Asm-Plug	1
55	353-844	Plus Series (Incl. Ref. #56)	1
56	353-850	O-Ring	1
57	3253-3	Washer - Lock	4
58	3274-84	Screw - HH	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	Asm-Anticavitation Check (Incl. Ref. #3, 4, 5, 7, 8 & 61-63)	1
*	353-835	Seals - Section Set (Incl. Ref. #6 & 9)	1
*	93-3652	Asm-Boot, Spool (Incl. Ref. #45-47)	3
*	354-131	Asm-Section #3 (Complete)	1

Ref. No.	Part No.	Description	No. Used
*	354-25	Asm-Section #4 (Complete)	1
*	93-1386	Asm-Section #5 (Complete)	1
*	353-841	Asm-Position, Spool (Incl. Ref. #20 27 37 & 51)	1
*	353-840	Asm-Position, DI (SP) (Incl. Ref. #37-43)	1
*	353-642	Asm-Relief, RC Mod. (Incl. Ref. #3-5 & 29-36)	1
*	353-833	Asm-Positioner (Incl. Ref. #19-28)	1
*	84-2203	Asm-Control Valve Complete	1
*	92-2548	Seals - 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

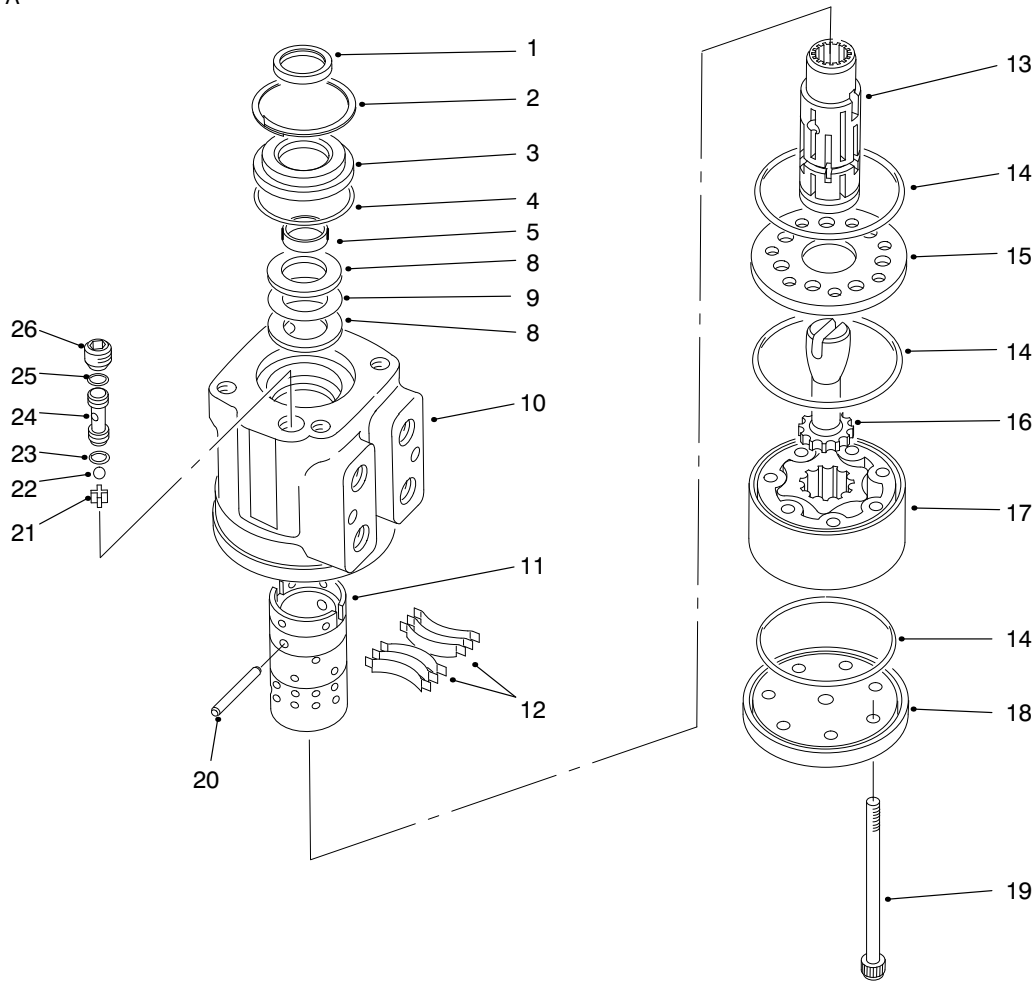
†Parts Available as Assemblies Listed as (*Not Illustrated) on This Page



T-1291

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-80	Screw - HH	3	19	325-4	Screw - HH	2
2	3256-80	Washer - Flat	3	20	47-2890	Bushing - Sleeve	2
3	83-0650	Arm - Steering	1	21	3274-39	Screw - HH	6
4	83-0780	Support - Steering Valve	1	22	3290-277	Nut - Speed	6
5	93-8063	Decal - Warning	1	23	83-1420	Column - Steering	1
5	83-2520	Decal - Warning (Japanese)	1	24	92-8690	Asm-Steering, Valve	1
6	83-0750	Screw - HH LH	1	25	83-0810	Cover - Steering Valve	1
7	323-4	Screw - HH	2	26	83-1350	Hose - Hydraulic	2
8	32144-21	Screw - RH	2	27	83-1360	Hose - Hydraulic	1
9	68-5140	Cap - Steering Wheel	1	28	83-1370	Hose - Hydraulic	1
10	47-6990	Nut - Steering Wheel	1	29	237-21	O-Ring	4
11	68-5130	Asm-Steering Wheel (Incl. Ref. #8 & 9)	1	30	340-1	Fitting - Hydraulic, Straight (Incl. Ref. #29 & 31)	4
12	3246-3	Screw - Set	1	31	237-42	O-Ring	4
13	65-6390	Washer - Thrust	1	32	93-8068	Decal - Steering Arm	1
14	83-0740	Disc - Friction	2	32	83-2510	Decal - Steering Arm (Japanese)	1
15	83-0730	Spacer - Lockup	1	33	3274-63	Screw - HSH	2
16	83-0760	Plate - Lockup	1	34	3256-26	Washer - Flat	2
17	233-48	Knob	1	35	83-1700	Bushing - Flange	1
18	83-0700	Handle - Lockup	1				



T-1442

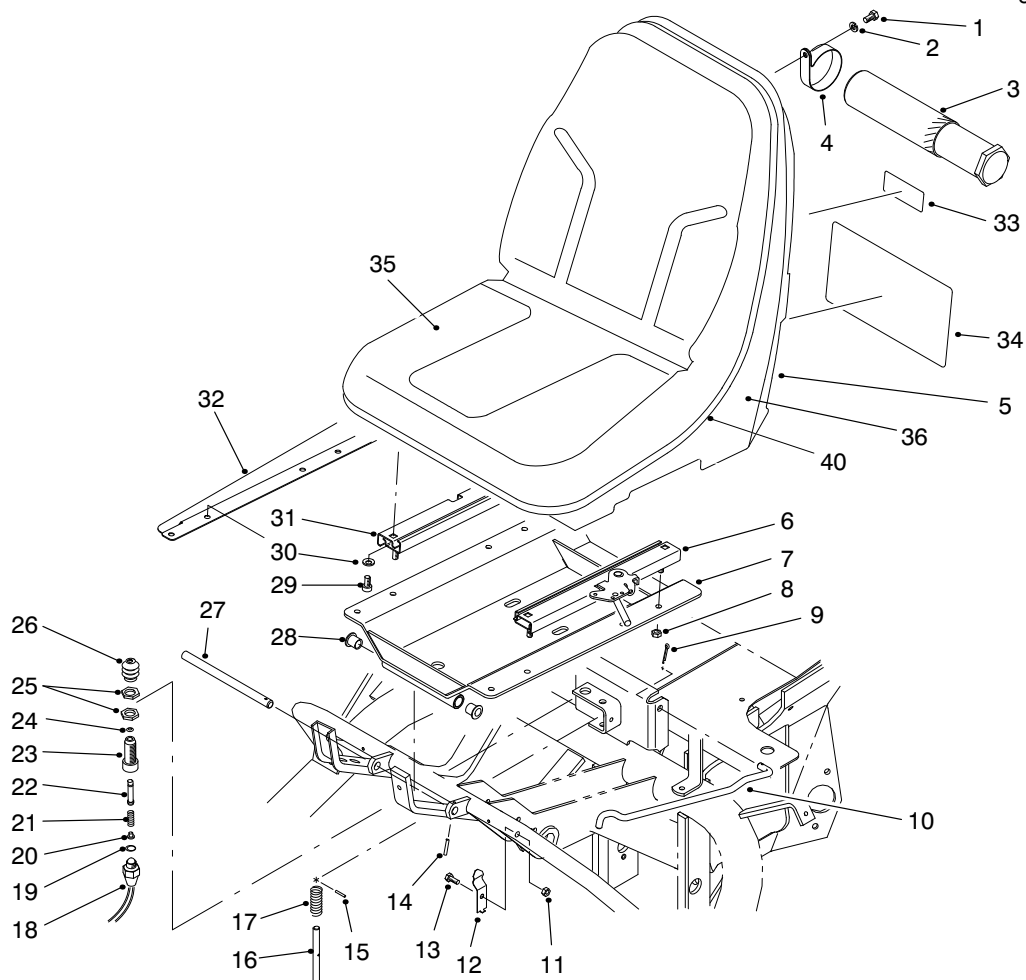
POWER STEERING VALVE NO. 92-8690

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	Kit - Centering, Spring	1
†13		Spool - Control	1
†14		O-Ring	3
15	92-8697	Plate - Wear	1
16	70-8250	Drive	1
17	83-1870	Gerotor	1

Ref. No.	Part No.	Description	No. Used
18	67-8113	Cap - End	1
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
*	83-1880	Asm - Control Parts (Incl. Ref. #10-13 & 20)	1
*	92-8695	Kit - Seal (Incl. Ref. #1, 4, 5, 14, 23 & 25)	1

*Not Illustrated

†Not Serviced Separately

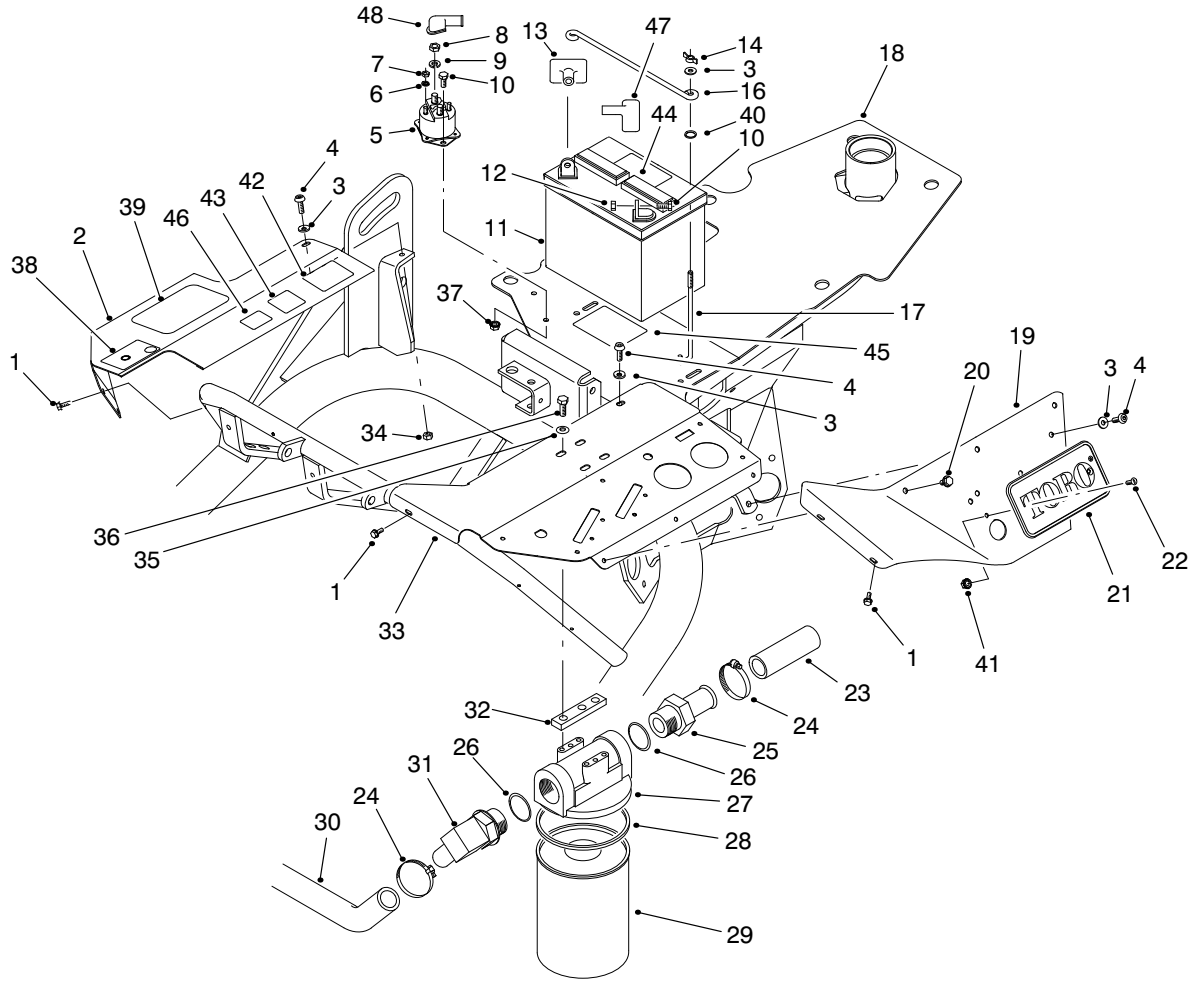


T-1290A

SEAT ASSEMBLY

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

*Not Illustrated

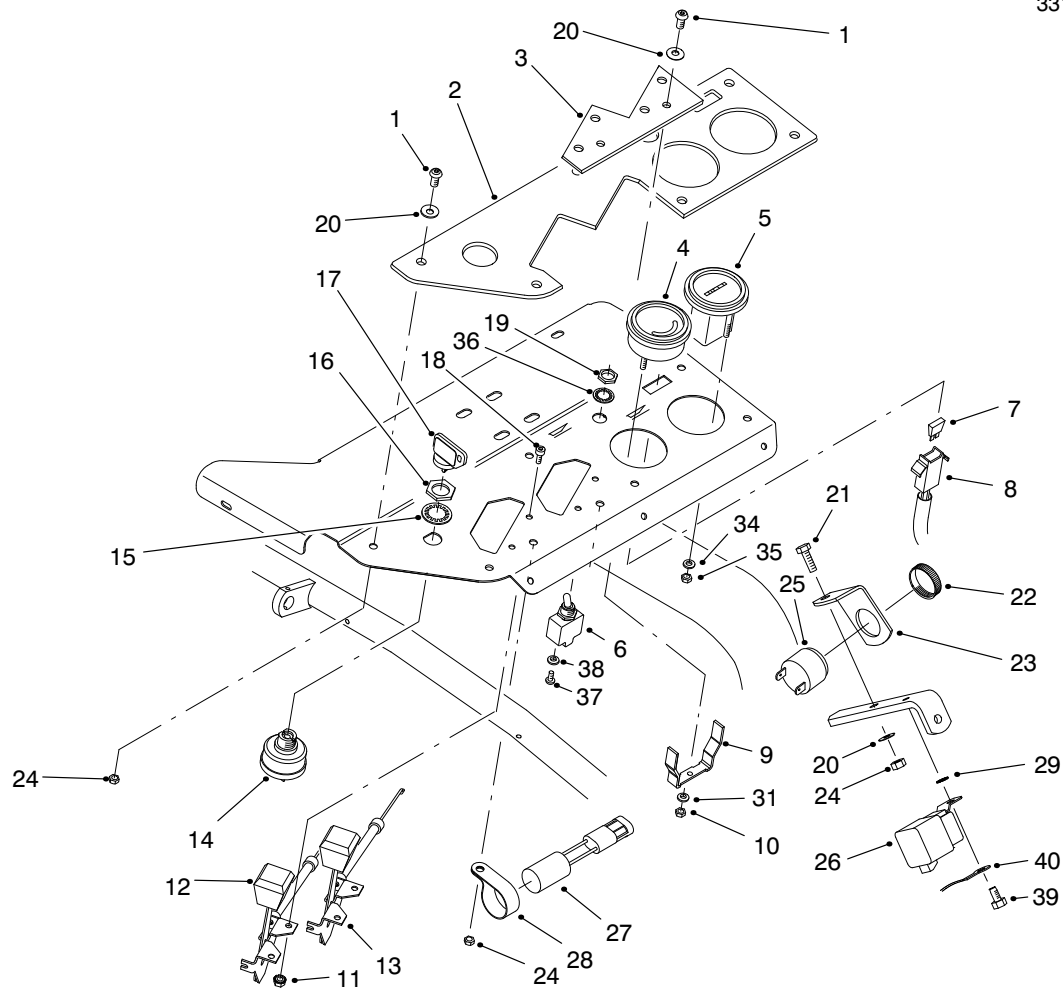


T-1295B

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-76	Screw - TAP	5
2	94-2694	Cover - RH	1
3	3256-22	Washer - Flat	5
4	3274-64	Screw - HSH	3
5	28-4210	Solenoid - Starter	1
6	3254-1	Washer - Lock	2
7	3219-14	Nut - Hex.	2
8	3218-13	Nut - Jam	2
9	3253-4	Washer - Lock	2
10	321-3	Screw - HH	4
11	28-1400	Battery	1
12	3217-5	Nut - Hex.	2
13	28-8080	Boot Terminal (Red)	1
14	32103-12	Nut - Wing	2
16	72-4790	Hold-Down - Battery	1
17	56-7720	Bolt - Battery	2
18	92-9164	Asm-Frame	1
19	83-0840	Fender - LH	1
20	46-8560	Screw - Self Taping	3
21	61-3310	Plate - Logo	1
22	3290-470	Screw - Flat Hd.	2
23	83-1430	Hose - Hydraulic	1
24	2412-34	Clamp - Hose	2
25	353-563	Fitting - Hydraulic, Straight (Incl. Ref. #26)	1
26	237-101	O-Ring	2

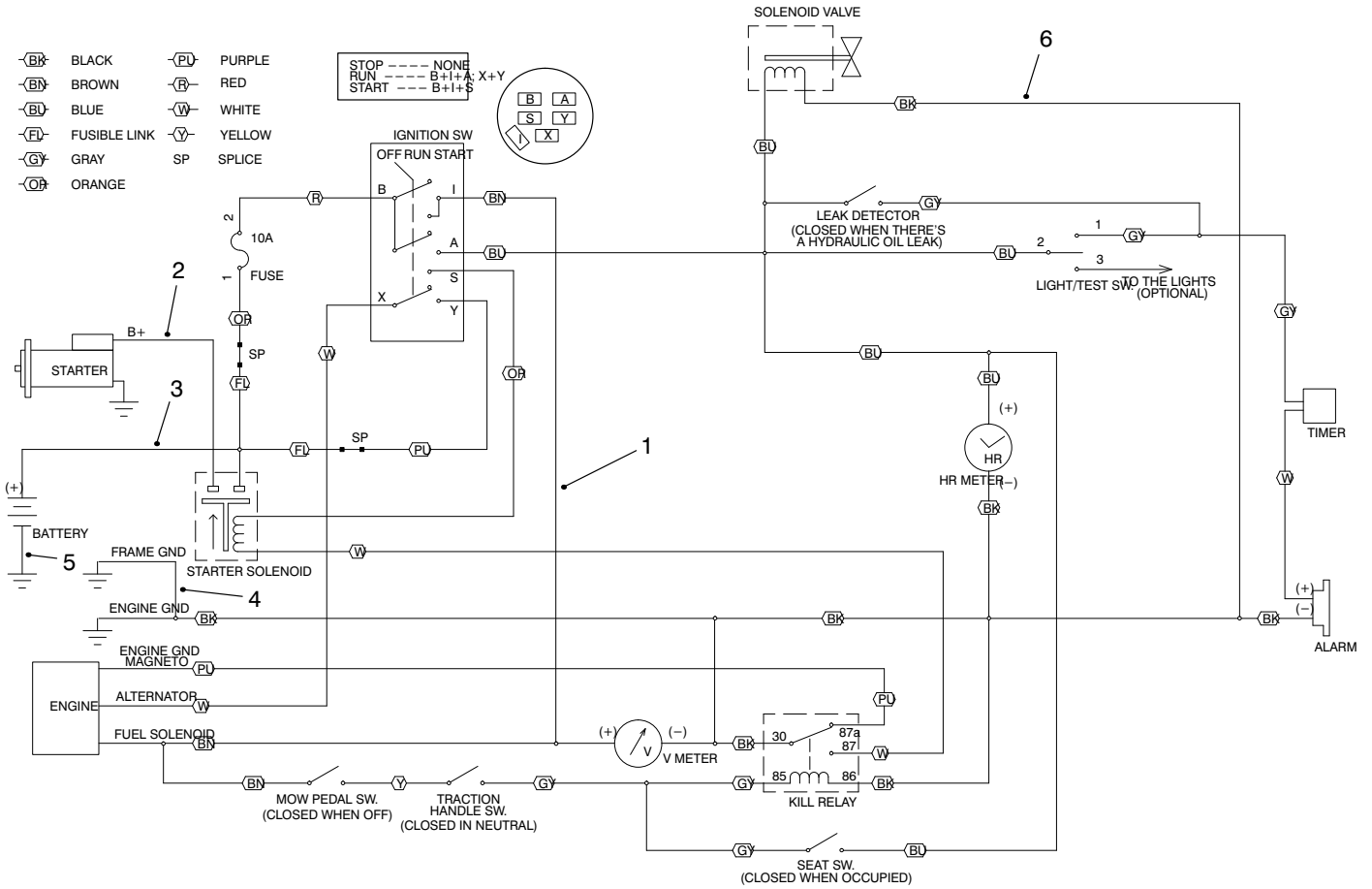
Ref. No.	Part No.	Description	No. Used
27	44-5560	Head - Oil Filter	1
28	72-3850	Seal - Filter	1
29	74-3570	Filter - Hydraulic Oil (Incl. Ref. #28)	1
30	68-5880	Hose - Hydraulic	1
31	353-564	Fitting - Hydraulic 90° (Incl. Ref. #26)	1
32	27-2380	Spacer	2
33	83-0830	Panel - Control Upper	1
34	3296-16	Nut - Lock	3
35	3256-23	Washer - Flat	4
36	322-4	Screw - HH	4
37	32149-2	Nut - 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 Rating	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
47	98-0603	Boot Terminal (Black)	1
48	83-2430	Boot - Terminal	1



T-1296-7

CONTROL PANEL ASSEMBLY

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

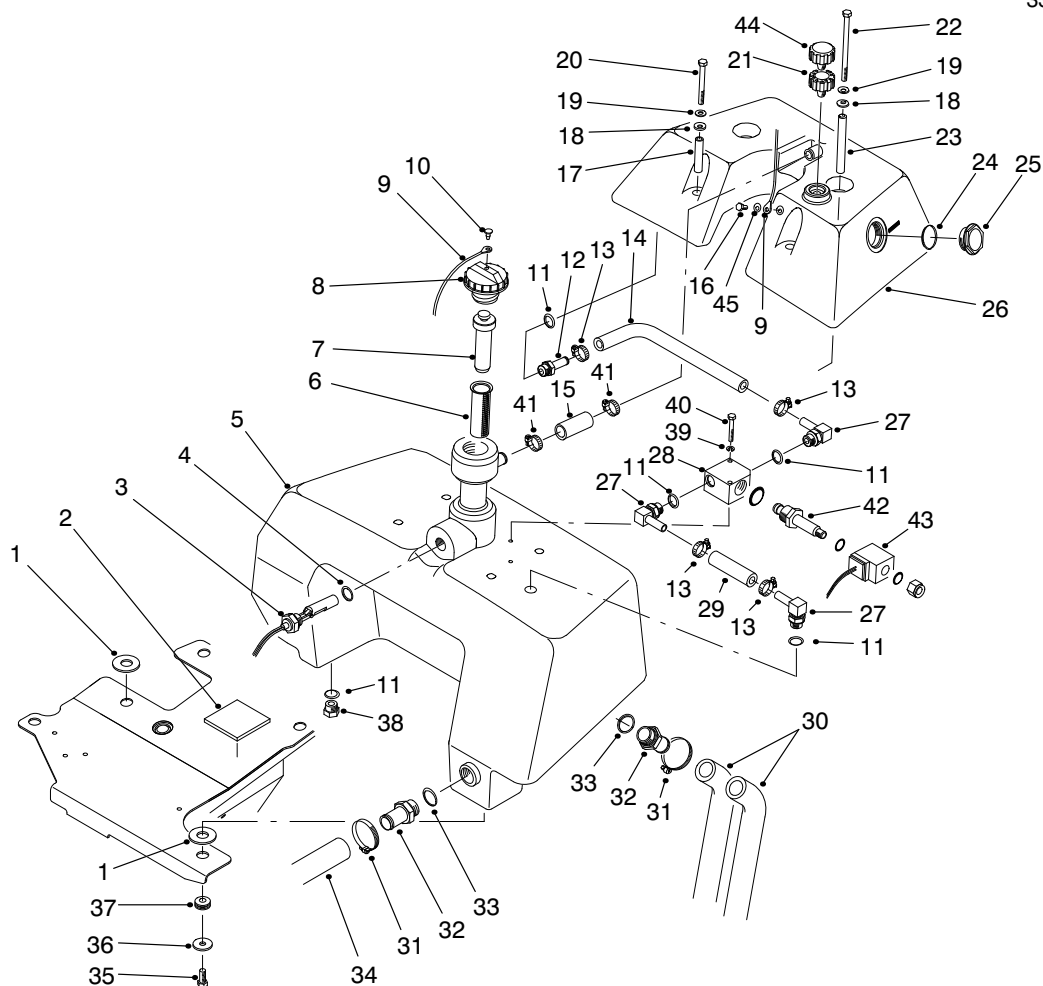


T-2804

ELECTRICAL SCHEMATIC

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

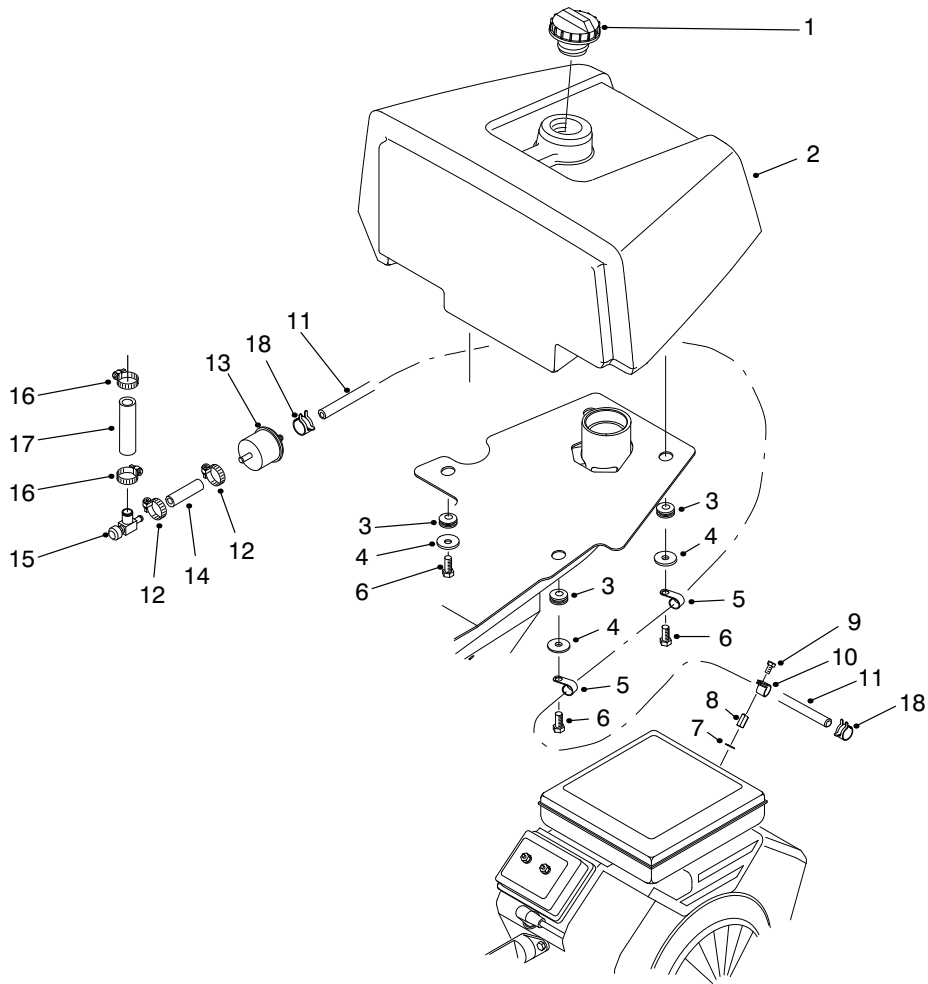
Ref. No.	Part No.	Description	No. Used
4	83-1150	Wire - Engine Ground	1
5	98-2165	Cable - Negative	1
6	98-2162	Harness - Leak Detector	1



T-1289

HYDRAULIC RESERVOIR ASSEMBLY

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



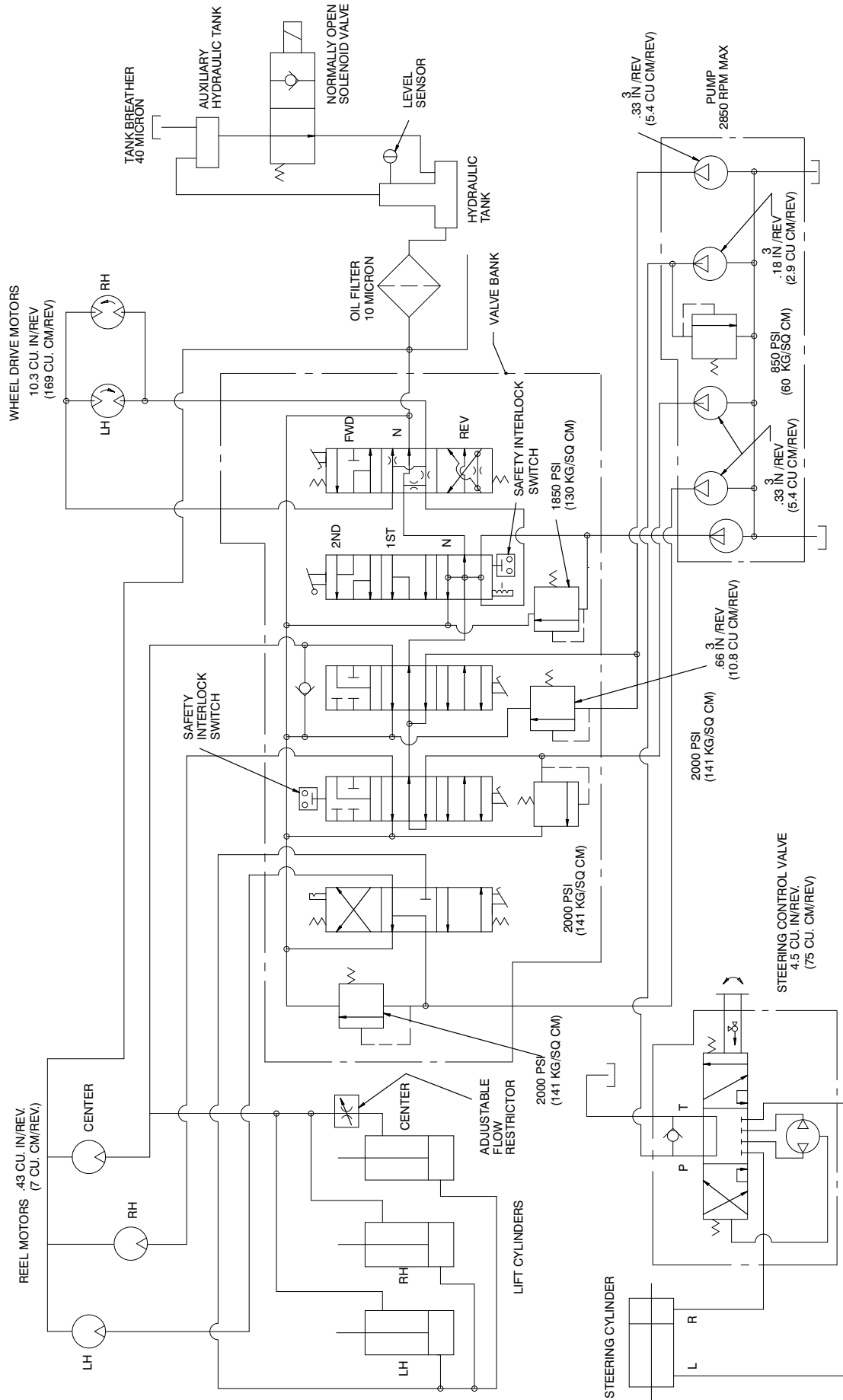
T-1317-3

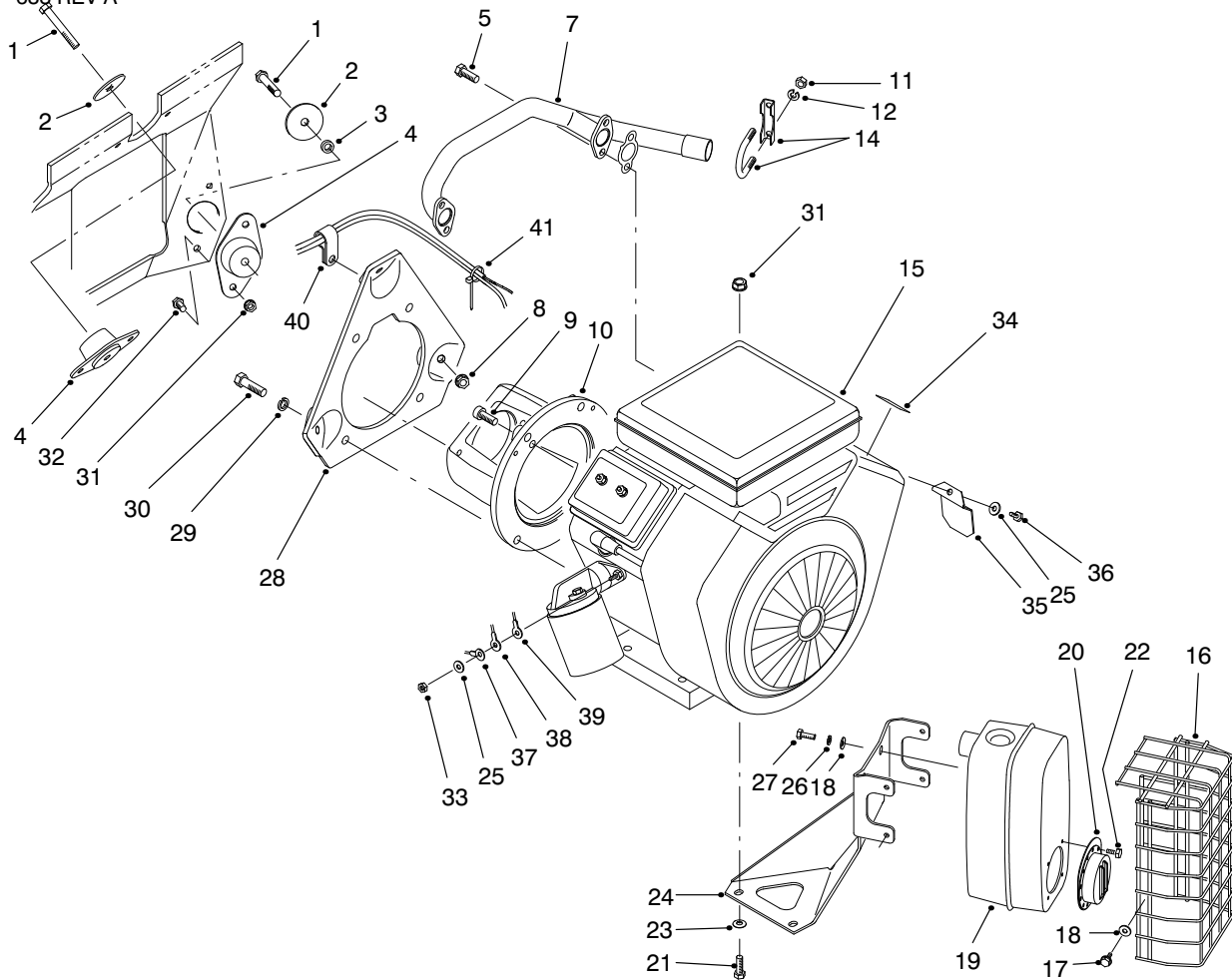
FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93-7170	Cap - Fuel	1
2	92-7189	Tank - Fuel	1
3	240-11	Grommet	4
4	63-8410	Washer - Flat	4
5	2412-41	Clamp - R	3
6	323-6	Screw - HH	3
7	3256-63	Washer - Flat	1
8	83-2200	Nut - Special	1
9	48-7610	Screw - HH	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	2
13	94-2690	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
18	2412-98	Clamp - Hose	2

HYDRAULIC SCHEMATIC



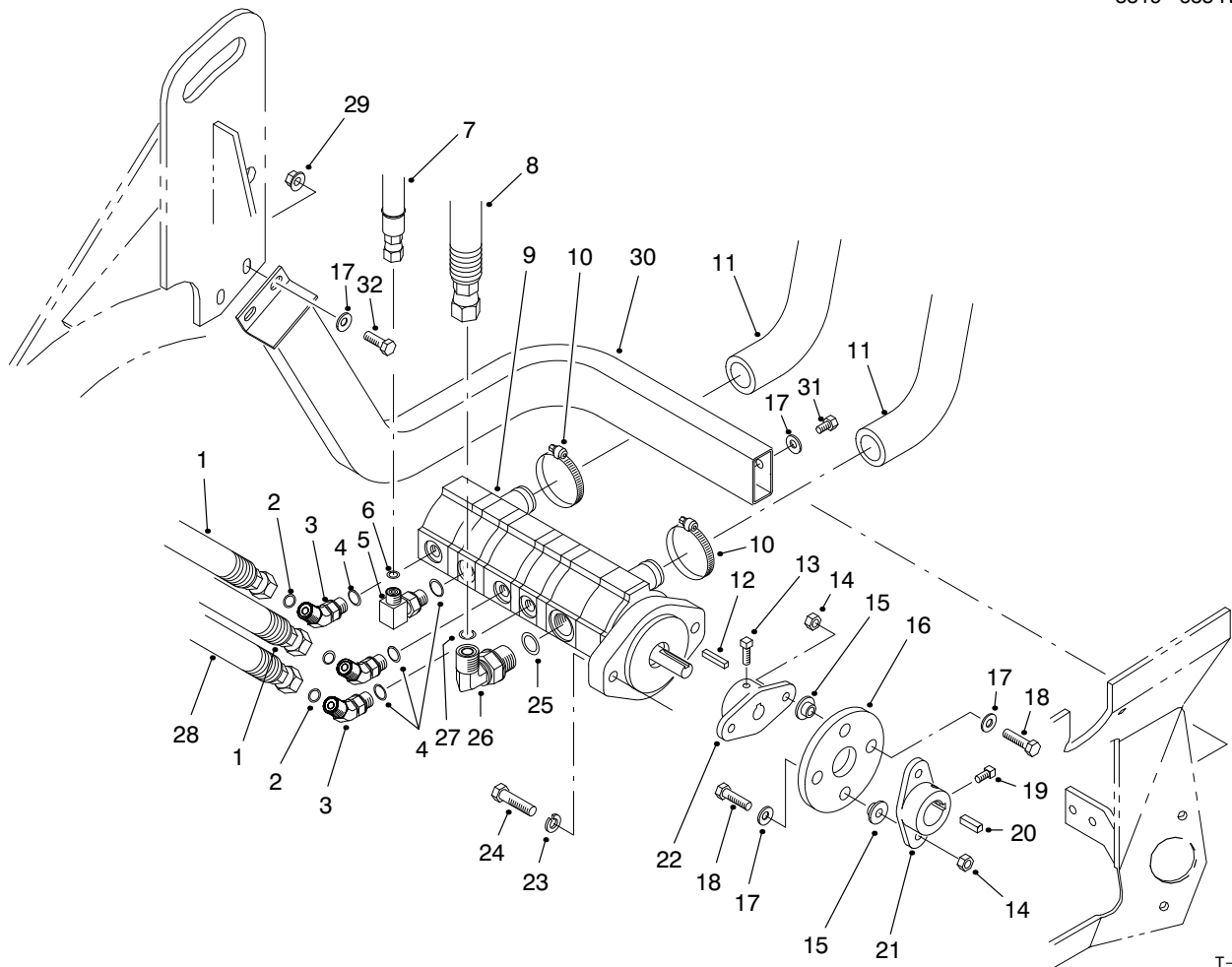


ENGINE INSTALLATION ASSEMBLY

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
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	98-0636	Engine Assembly (Incl. Ref. #5)	1
16	83-1400	Shield - Muffler	1
17	12-3270	Screw - Hex. Washer Hd.	4
18	3256-1	Washer - Flat	8
19	98-0616	Muffler	1
*	83-2240	Arrestor - Spark (Optional)	1
20	83-2220	Deflector - Exhaust	1

Ref. No.	Part No.	Description	No. Used
21	322-8	Screw - 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	49-2040	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
37	98-2163	Harness - Wire (Main)	1
38	83-1150	Wire - Engine Ground	1
39	98-2165	Cable - Negative	1
40	2412-81	Clamp - R	1
41	3290-378	Tie - Cable	1

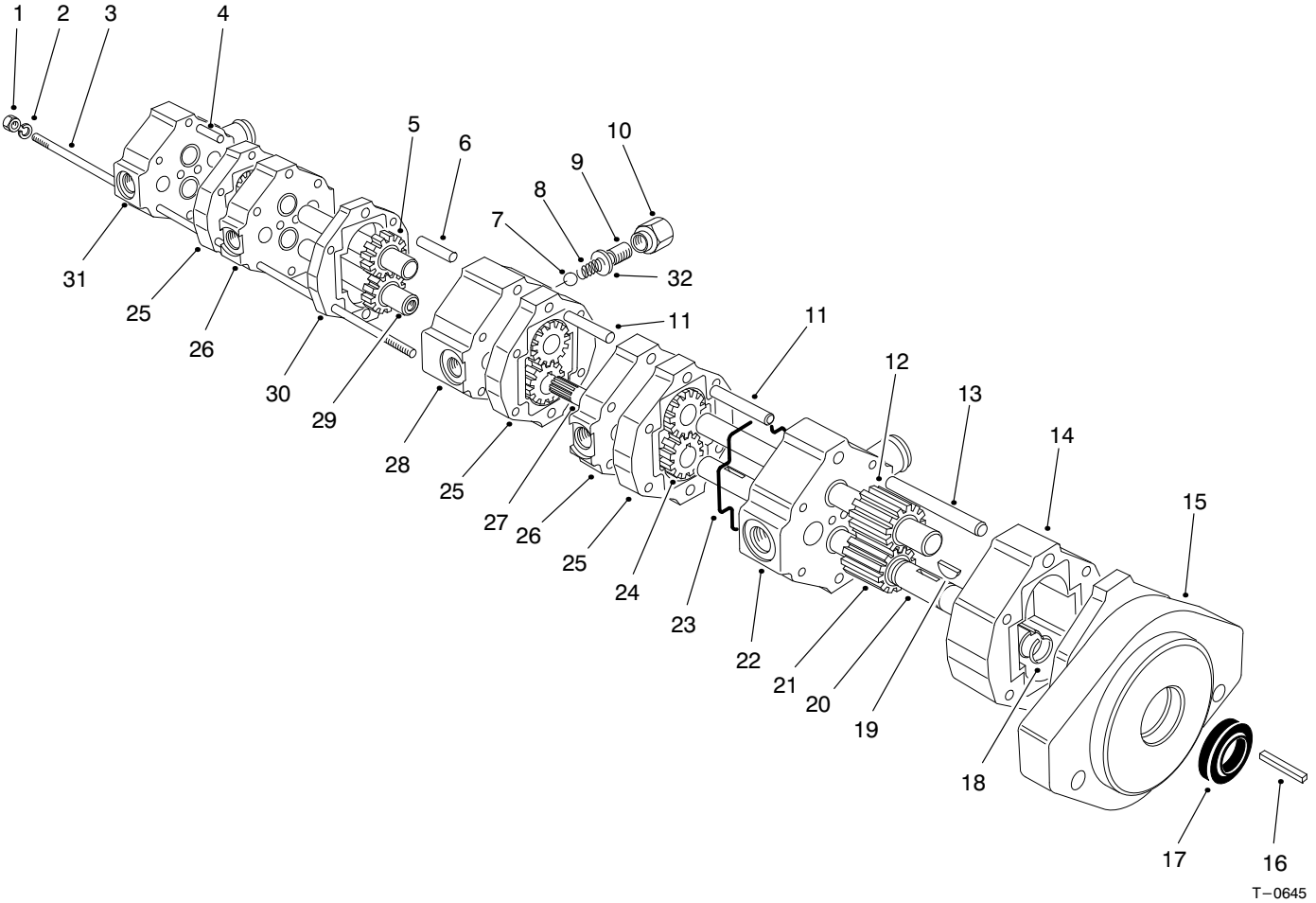
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T-1292-2

HYDRAULIC PUMP INSTALLATION ASSEMBLY

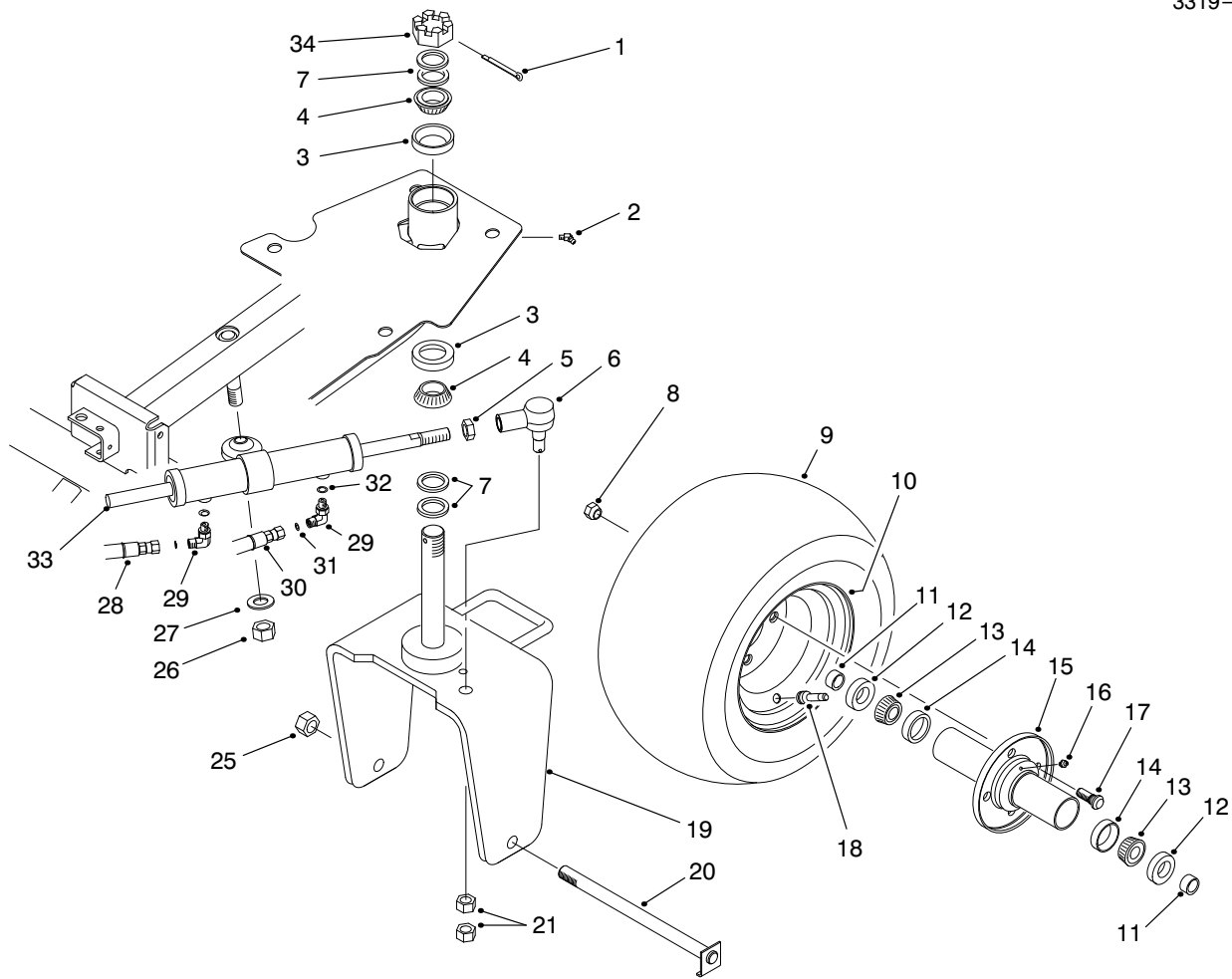
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	98-0649	Hose - Hydraulic	2	16	44-2230	Coupling - Rubber	1
2	237-22	O-Ring	3	17	3256-23	Washer - Flat	8
3	340-87	Fitting - Hydraulic 45° (Incl. Ref. #2 & 4)	3	18	322-6	Screw - HH	4
4	237-42	O-Ring	4	19	3241-2	Screw - Set Square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



HYDRAULIC PUMP 92-9764

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

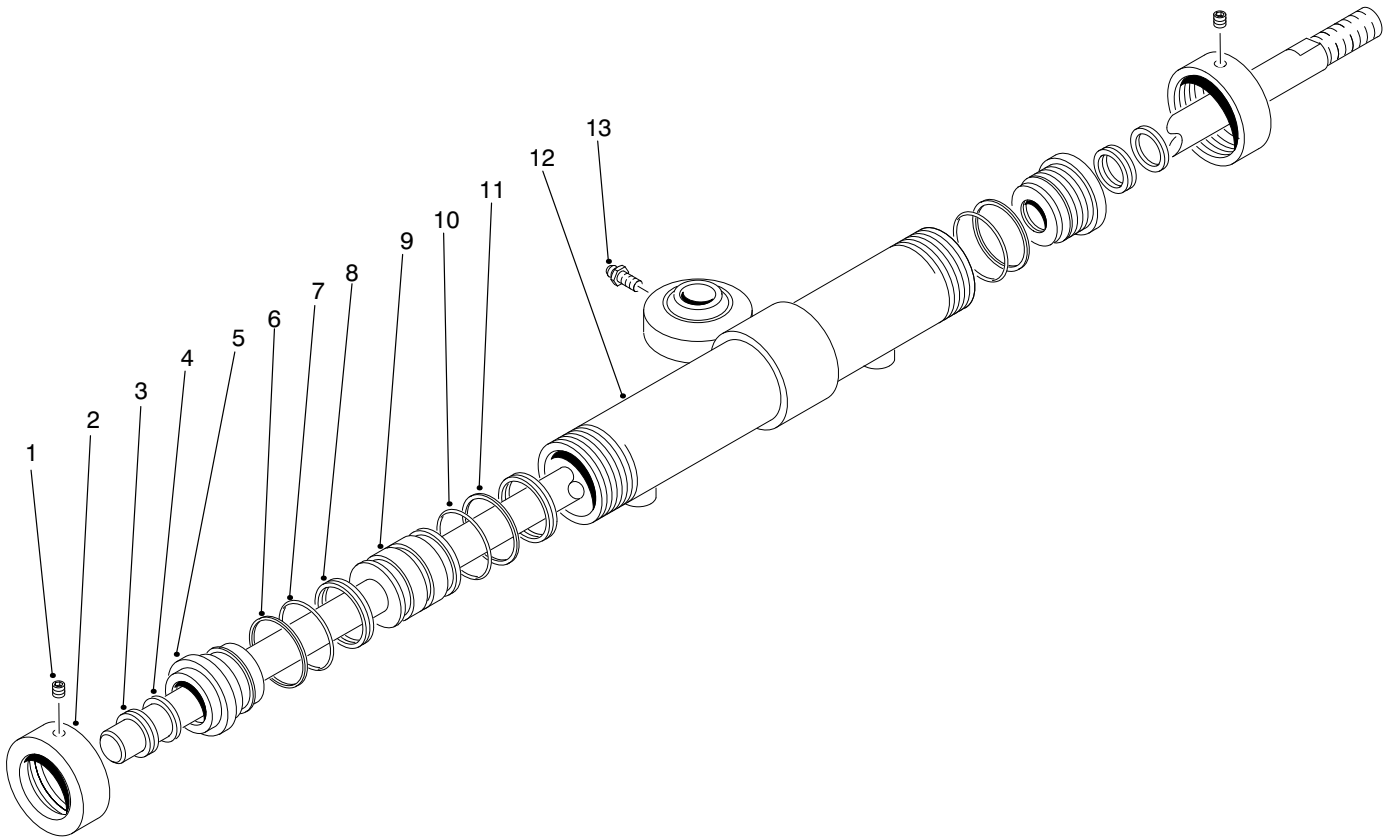
Ref. No.	Part No.	Description	No. Used
18	353-886	Ring - Retaining	2
19	353-884	Key - Woodruff	4
20	92-9772	Shaft - Drive	1
21	92-9773	Gear - 58B	1
22	354-3	Asm-Bearing Plate	1
23	353-922	Seal - Ring	10
24	353-967	Gear - 33B	6
25	353-969	Plate - Gear 33B	3
26	353-923	Asm-Bearing Plate	2
27	354-5	Adapter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



T-1288-3

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3272-37	Pin - Cotter	1	17	10-6830	Stud - Drive	4
2	302-11	Fitting - Grease	1	18	232-24	Valve Stem w/Cap	1
3	254-61	Cup - Bearing	2	19	95-5952	Fork - Castor	1
4	254-70	Cone - Bearing	2	20	5-3934	Bolt - Castor	1
5	84-5300	Nut - Jam	1	21	3220-6	Nut - Jam	2
6	83-1640	Asm - Rod End	1	25	3296-67	Nut - Lock	1
7	18-6320	Washer - Steering	4	26	3217-12	Nut - Lock	1
8	242-50	Nut - Lug	4	27	3256-28	Washer - Flat	1
9	28-3680	Tire	1	28	83-1350	Hose - Hydraulic	1
10	217-60	Rim	1	29	340-132	Fitting - Hydraulic 90° (Incl. Ref. #31 & 32)	2
11	74-3730	Spacer - Hub	2	30	83-1360	Hose - Hydraulic	1
12	253-111	Seal - Shaft	2	31	237-21	O-Ring	2
13	254-78	Cone - Bearing	2	32	237-78	O-Ring	2
14	254-79	Cup - Bearing	2	33	83-2330	Asm - Hydraulic Cylinder	1
15	75-9440	Hub - Wheel	1	34	32136-9	Nut - Hex. Slotted	1
16	302-55	Fitting - Grease	1				



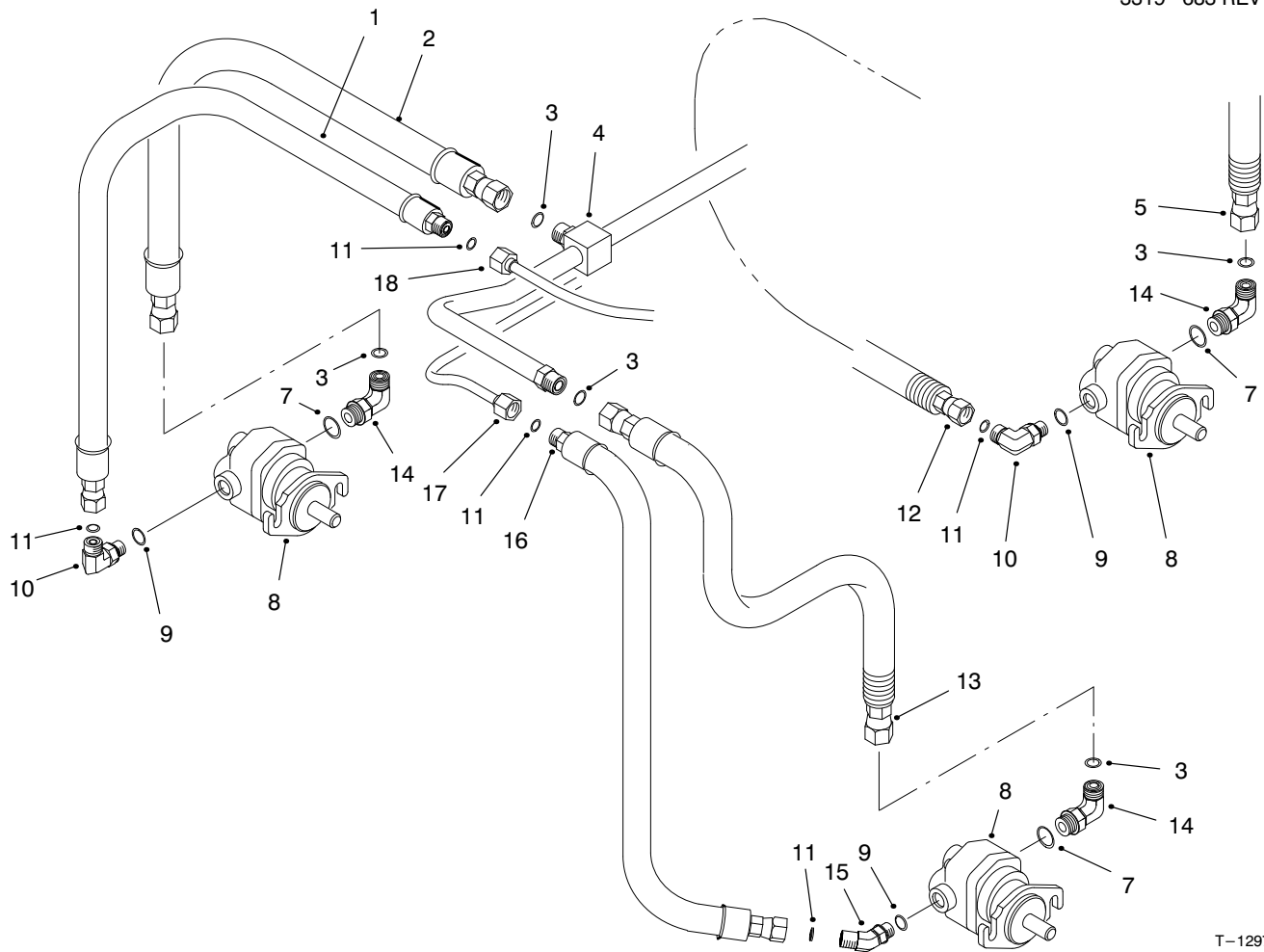
T-1313

HYDRAULIC CYLINDER ASSEMBLY NO. 83-2330

Ref. No.	Part No.	Description	No. Used
1	3245-1	Screw - Set, HSH	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	Asm - Rod	1
10		O-Ring	1
11		Ring - Piston, Urethane	1
12	83-2370	Asm - Barrel	1
13	302-5	Fitting - Grease	1
*	83-2380	Kit - Seal Repair (Incl. Ref. #1-7)	1

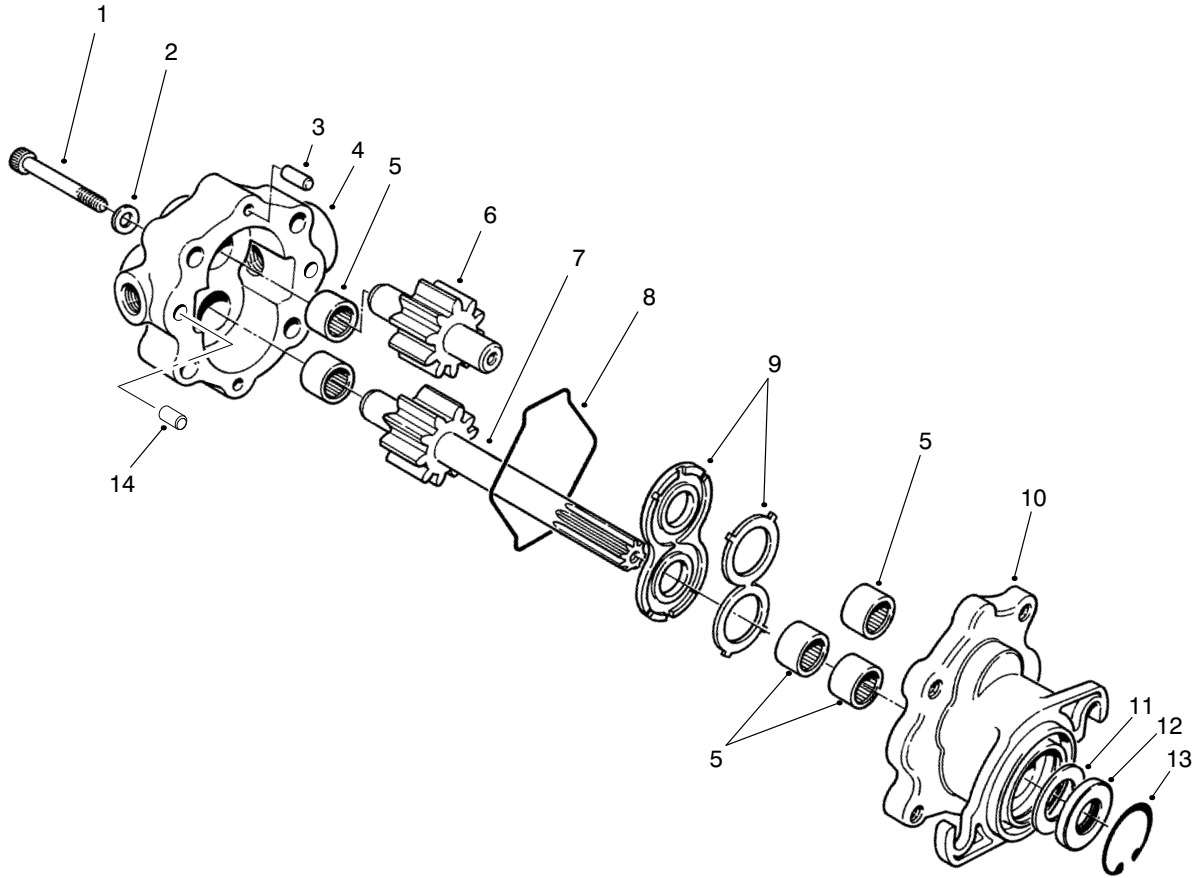
*Not Illustrated



T-1297-4

REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	95-5984	Asm-Hydraulic Hose (Incl. Ref. #21 & 23)	1	11	237-22	O-Ring	5
2	95-5985	Asm-Hydraulic Hose (Incl. Ref. #21 & 24)	1	12	95-5986	Asm-Hydraulic Hose (Incl. Ref. #21 & 23)	1
3	237-30	O-Ring	5	13	95-5989	Asm-Hydraulic Hose (Incl. Ref. #20 & 24)	1
4	63-4040	Asm-Hydraulic Tube (Incl. Ref. #3)	1	14	340-98	Fitting - Hydraulic 90° (Incl. Ref. #3 & 7)	3
5	95-5987	Asm-Hydraulic Hose (Incl. Ref. #22 & 24)	1	15	340-87	Fitting - Hydraulic 45° (Incl. Ref. #9 & 11)	1
7	237-79	O-Ring	3	16	95-5988	Asm-Hydraulic Hose (Incl. Ref. #19 & 23)	1
8	94-3506	Asm-Reel Motor	3	17	63-4020	Tube - Hydraulic	1
9	237-42	O-Ring	3	18	63-4030	Tube - Hydraulic	1
10	340-77	Fitting - Hydraulic 90° (Incl. Ref. #9 & 11)	2				



T-1872

REEL MOTOR NO. 94-3506

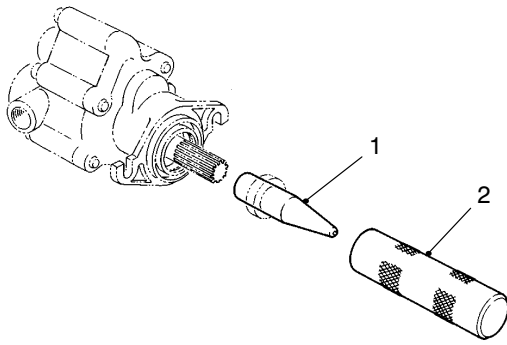
Ref. No.	Part No.	Description	No. Used
1	354-50	Screw - HSH	4
2	354-51	Washer	4
3	353-599	Pin - Dowel	2
4	94-3507	Asm - Cover (Incl. Ref. #5)	1
5		Bearing - Needle	5
6	94-3509	Asm - Idler Gear	1
7	94-3508	Asm - Drive Shaft	1
8	354-46	Ring - Seal	1

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

*Not Illustrated

SPECIAL TOOLS

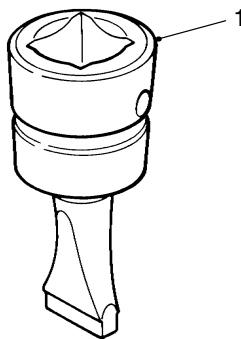
REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

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

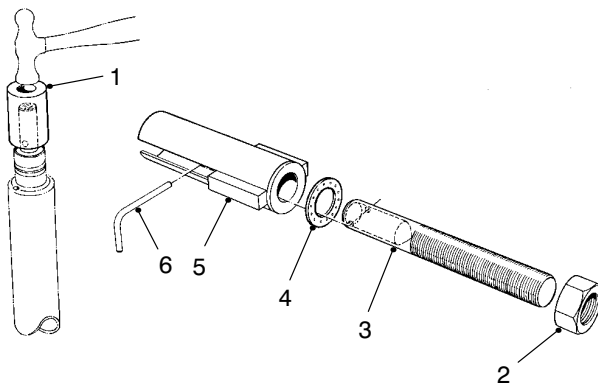
BED KNIFE SCREW TOOL NO. TOR510880



T-0729

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

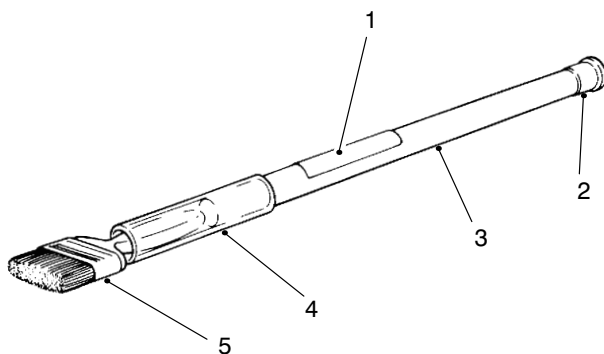
BEARING REPLACEMENT TOOL KIT NO. TOR238900



T-0730

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

BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



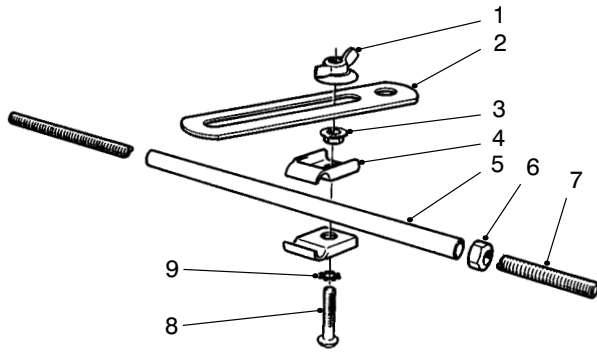
T-0731

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

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

SPECIAL TOOLS (Continued)

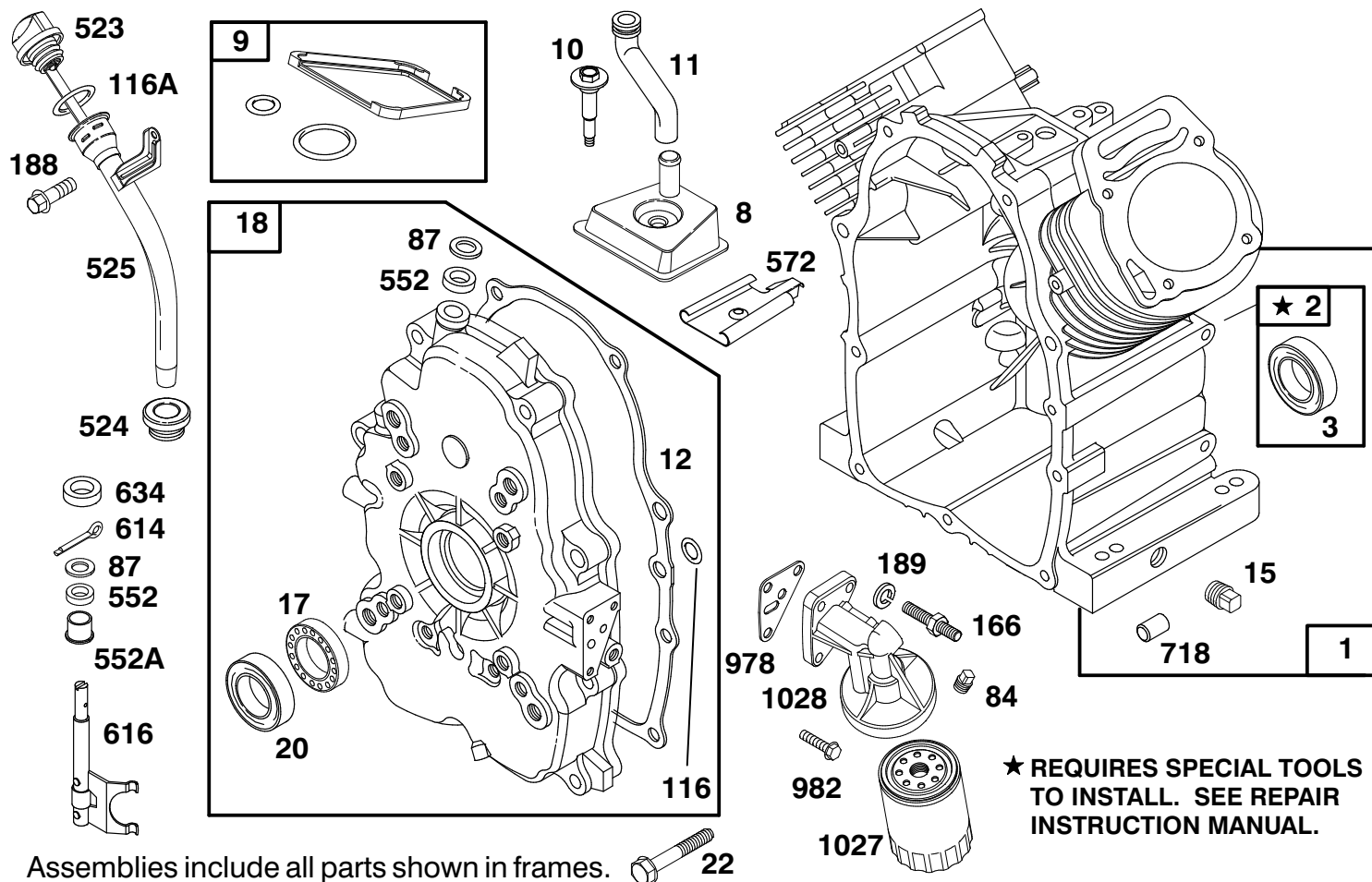
ALIGNMENT TOOL NO. TOR200120



T-0732

Ref. No.	Part No.	Description	No. Used
1	3-4808	Nut - Wing	1
2	20-0110	Bracket - Alignment	1
3	32128-20	Nut - 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**

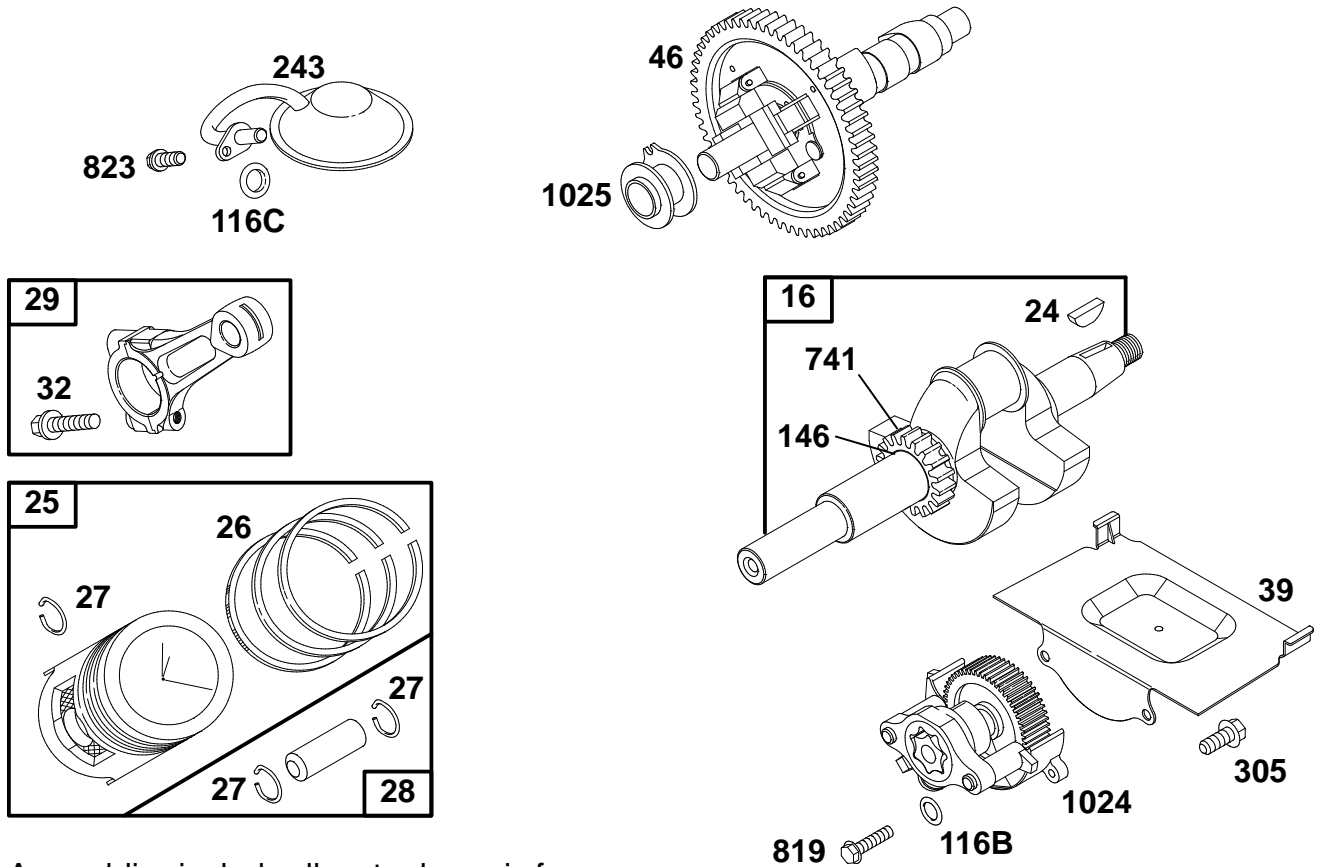


★ REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	808440	Cylinder Assembly	1	188	805247	Screw - Hex. Head	1
2	808534	Bearing - Cylinder	1	189	805449	Lockwasher	1
*3	805101	Seal - Oil	1	523	807977	Dipstick	1
8	807795	Breather Assembly	1	*524	281370	Seal - Fill Tube	1
*9	807688	Gasket - Breather	1	525	807584	Tube - Oil Fill	1
10	805751	Screw - Hex. Washer Head	1	552	805412	Bushing - Governor Shaft	1
11	806083	Tube - Breather	1	552A	805413	Bushing - Governor Shaft	1
12	806190	Gasket - Crankcase Cover	1	572	805197	Baffle - Breather	1
15	805048	Plug - Oil Drain	1	614	806096	Pin - Cotter	1
17	805754	Bearing - Ball	1	616	807596	Fork - Governor	1
18	808502	Cover Assy. - Crankcase	1	634	805416	Washer - Governor Shaft	1
*20	805049	Seal - Oil	1	718	805103	Dowel - Crankcase	1
22	805696	Screw - Crankcase Cover	1	*978	805250	Gasket - Oil Filter Adapter	1
84	91488	Plug - Pipe	1	982	805030	Screw	1
*87	805054	Seal - Governor Shaft	1	1027	492932	Filter - Oil	1
116	806191	O-Ring (Crankcase Cover)	1	1028	808325	Adapter - Oil Filter	1
*116A	805386	O Ring (Dipstick)	1	1058	273685	Owner's Manual	1
166	805073	Stud - Oil Filter Adapter	1				

*Included in Gasket Set - Part No. 808390.



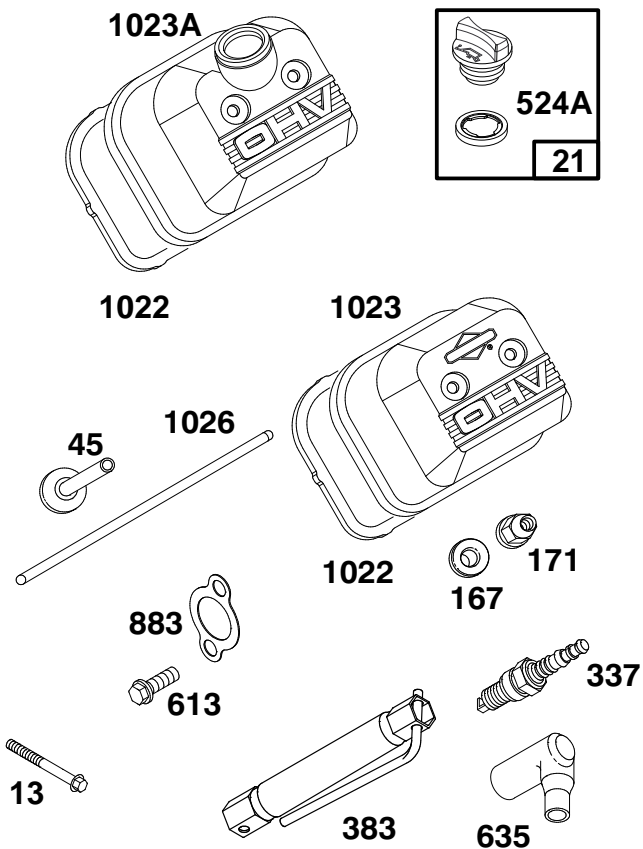
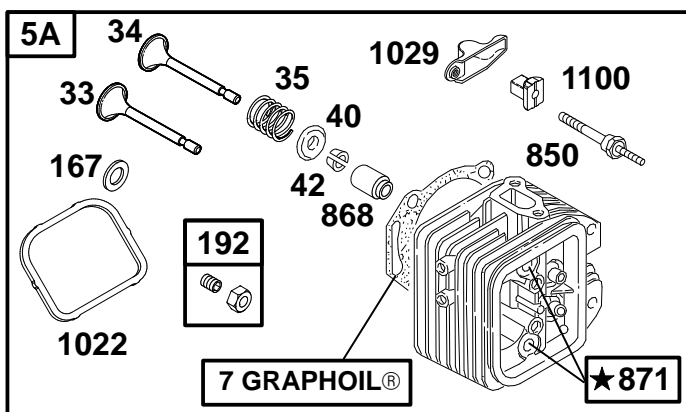
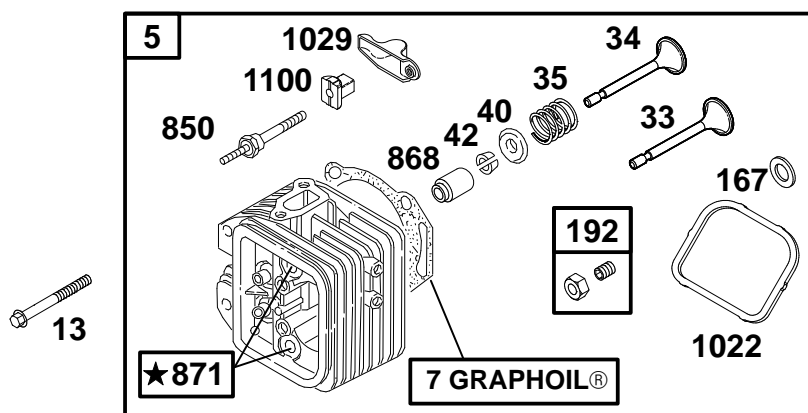
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

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

*Included in Gasket Set - Part No. 808390.



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

Assemblies include all parts shown in frames.

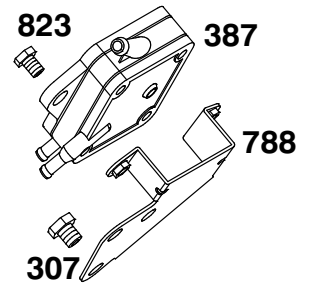
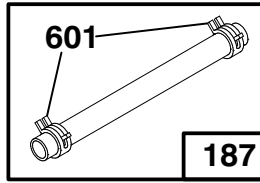
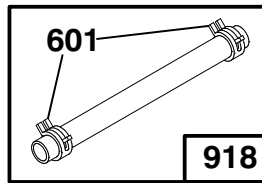
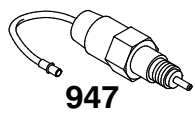
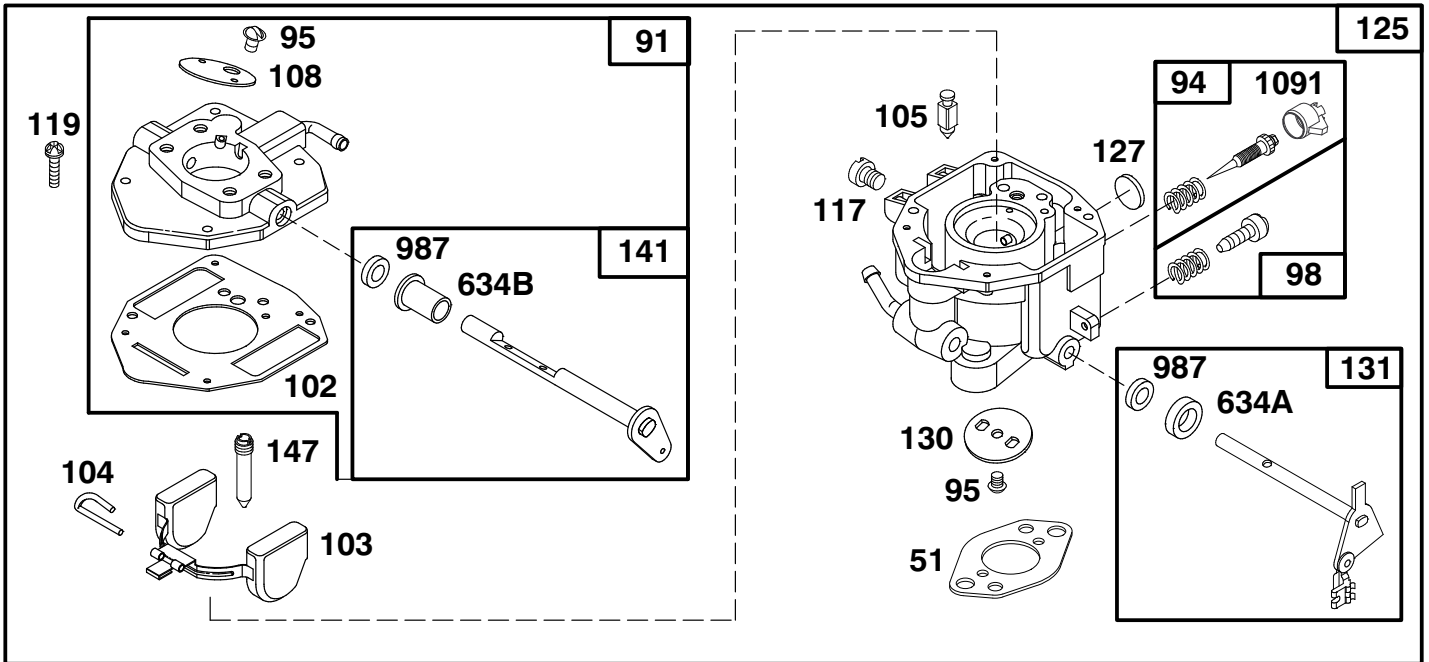
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

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

*Included in Gasket Set – Part No. 808390.

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



Assemblies include all parts shown in frames.

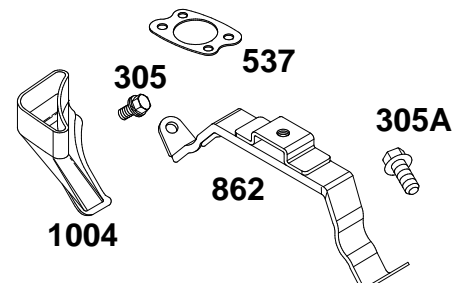
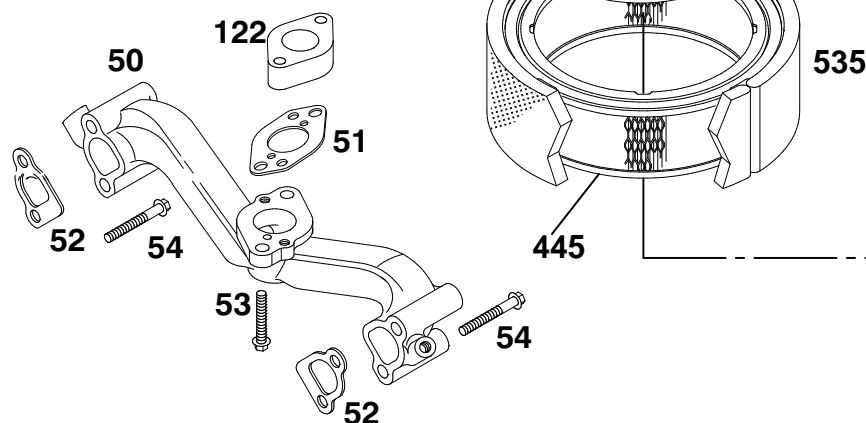
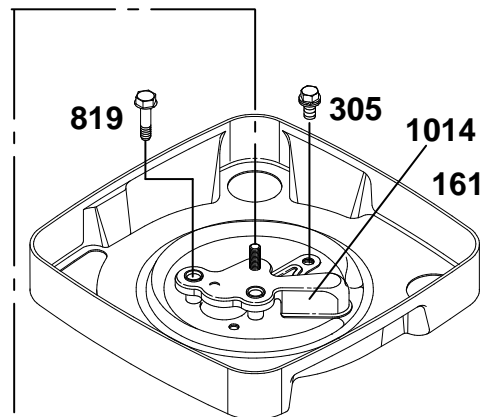
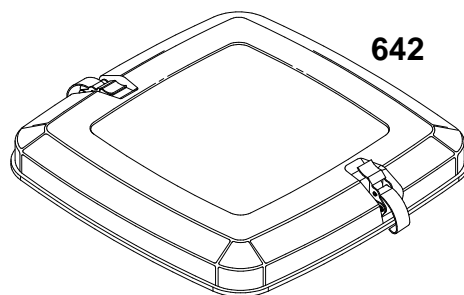
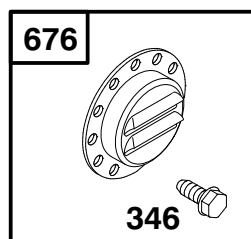
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

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

*Included in Gasket Set - Part No. 808390.

†Included in Carburetor Kit - Part No. 808273.



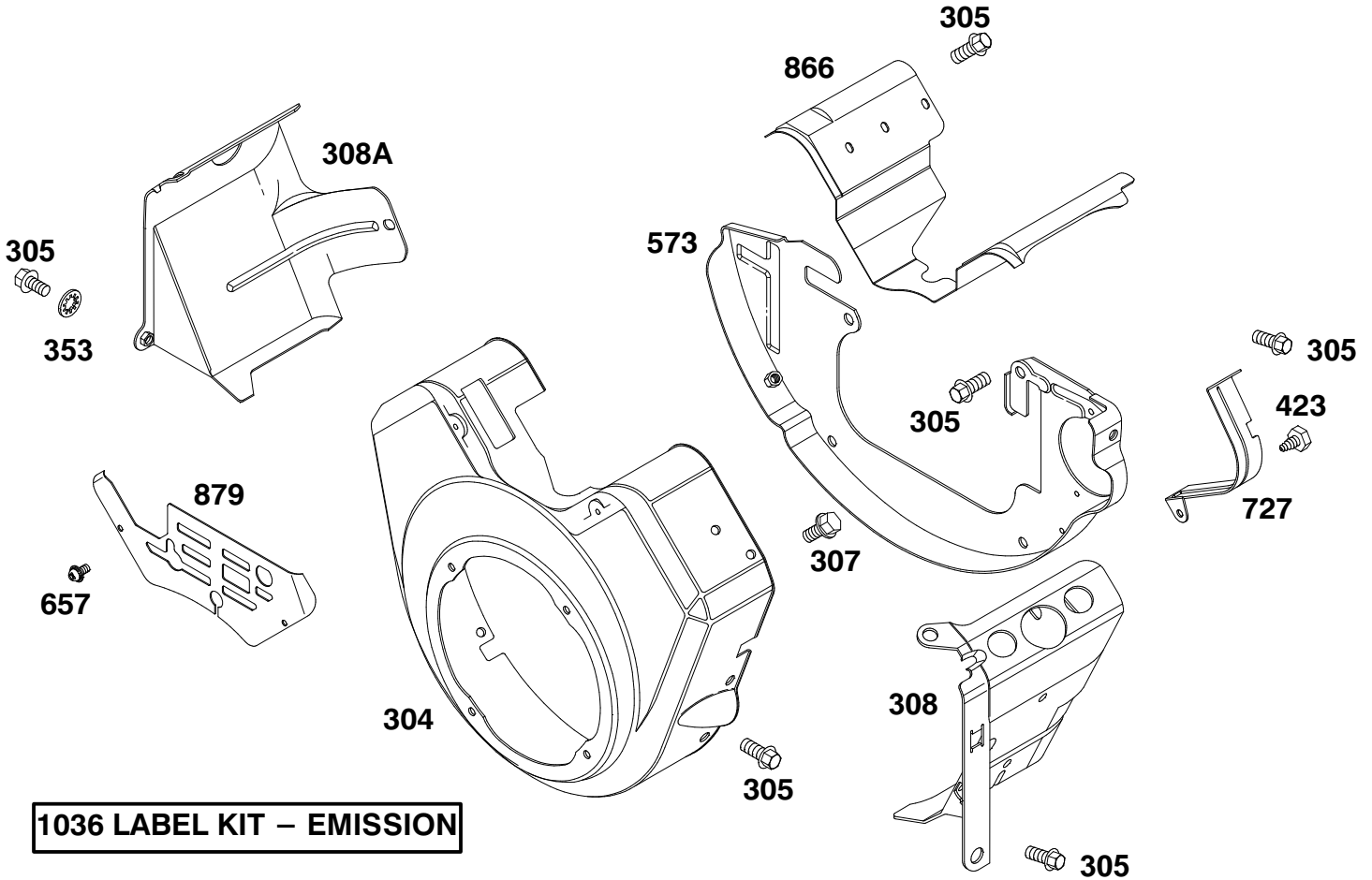
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

Ref. No.	Part No.	Description	No. Used
50	805772	Manifold – Intake	1
*51	805700	Gasket – Carburetor Mtg.	1
*‡52	805023	Gasket – Intake Manifold	1
53	805466	Screw	1
54	805006	Screw	1
122	805328	Spacer – Carburetor	1
161	807857	Base – Air Cleaner	1
305	805406	Screw – Hex. (M6 x 12mm)	1
305A	805902	Screw – Hex. (M6 x 16mm)	1
346	94896	Screw – Hex.	1

Ref. No.	Part No.	Description	No. Used
445	394018	Filter – Air	1
467	491875	Knob – Air Cleaner	1
535	272490	Filter – Air	1
*537	805655	Gasket – Air Cleaner	1
642	807862	Cover – Air Cleaner	1
643	805631	Plate – Air Cleaner	1
676	397630	Deflector – Muffler	1
819	805057	Screw – Hex. Hd.	1
862	807796	Bracket – Air Cleaner	1
1004	805632	Strap – Cleaner Mounting	1
1014	807797	Shield – Carburetor	1

*Included in Gasket Set – Part No. 808390.

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

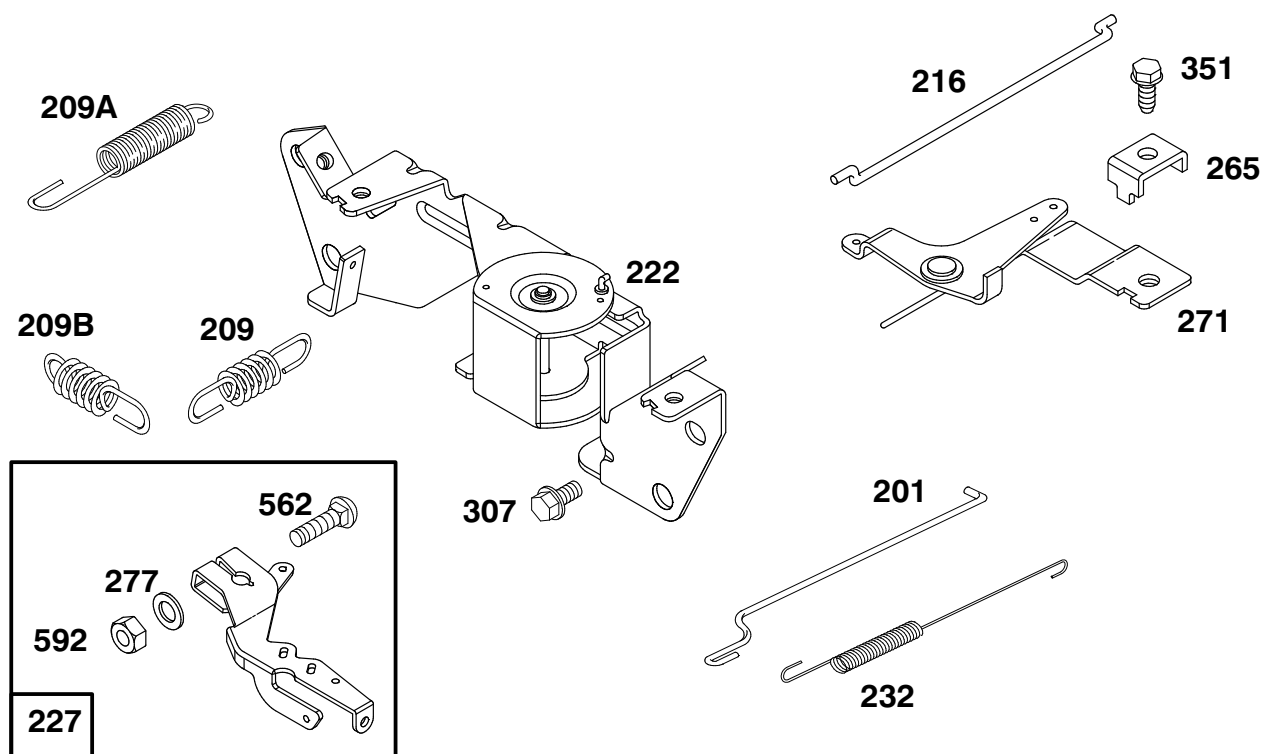


1036 LABEL KIT – EMISSION

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

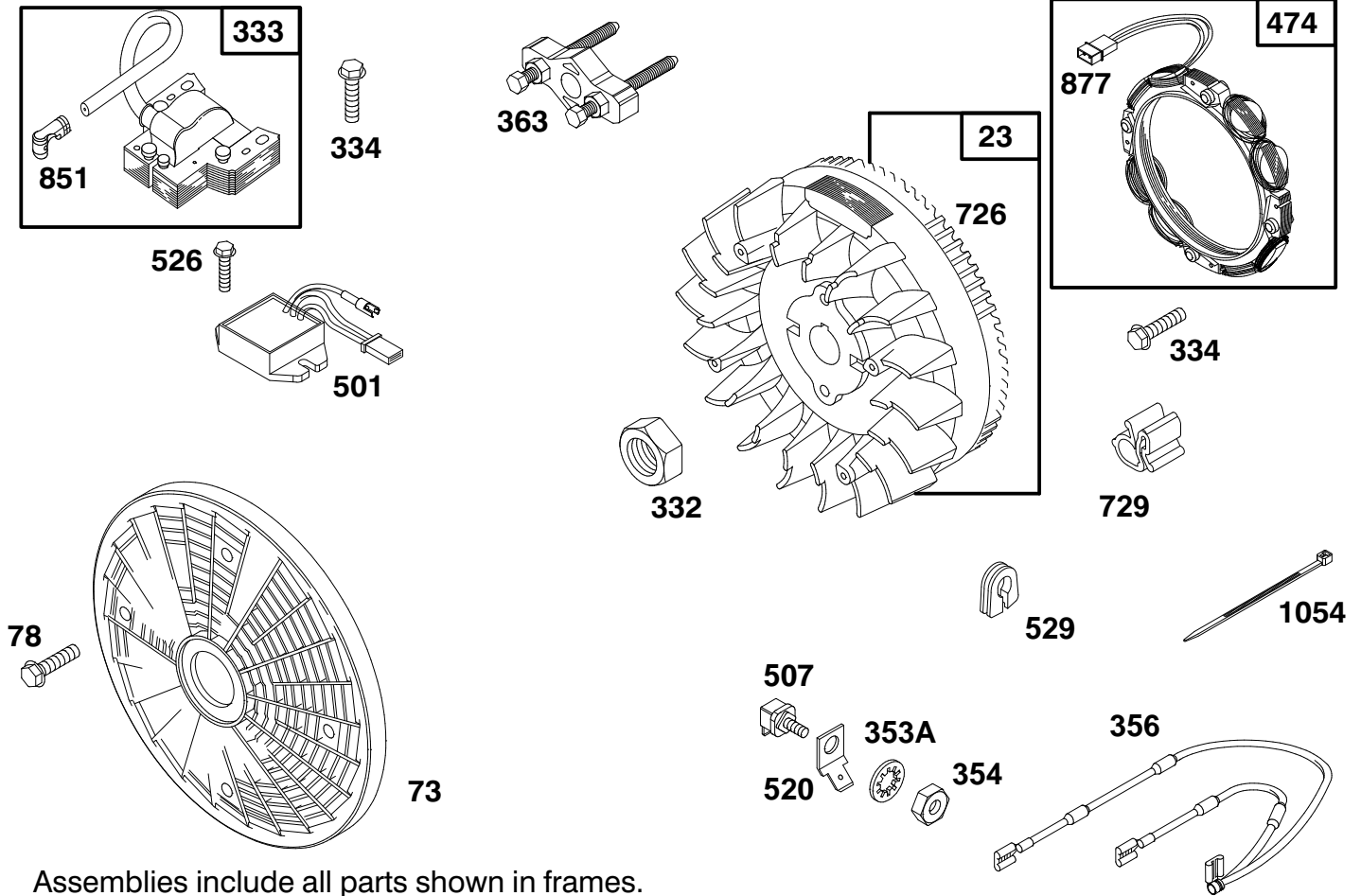
Ref. No.	Part No.	Description	No. Used
423	805260	Screw – Hex. Head	1
573	807663	Back Plate Assembly	1
657	805009	Screw – Hex. Head	1
727	805505	Shield – Starter	1
866	805738	Valley Cover – Air Guide	1
879	805841	Cover – Carburetor	1
1036	499366	Label Kit – Emission	1



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

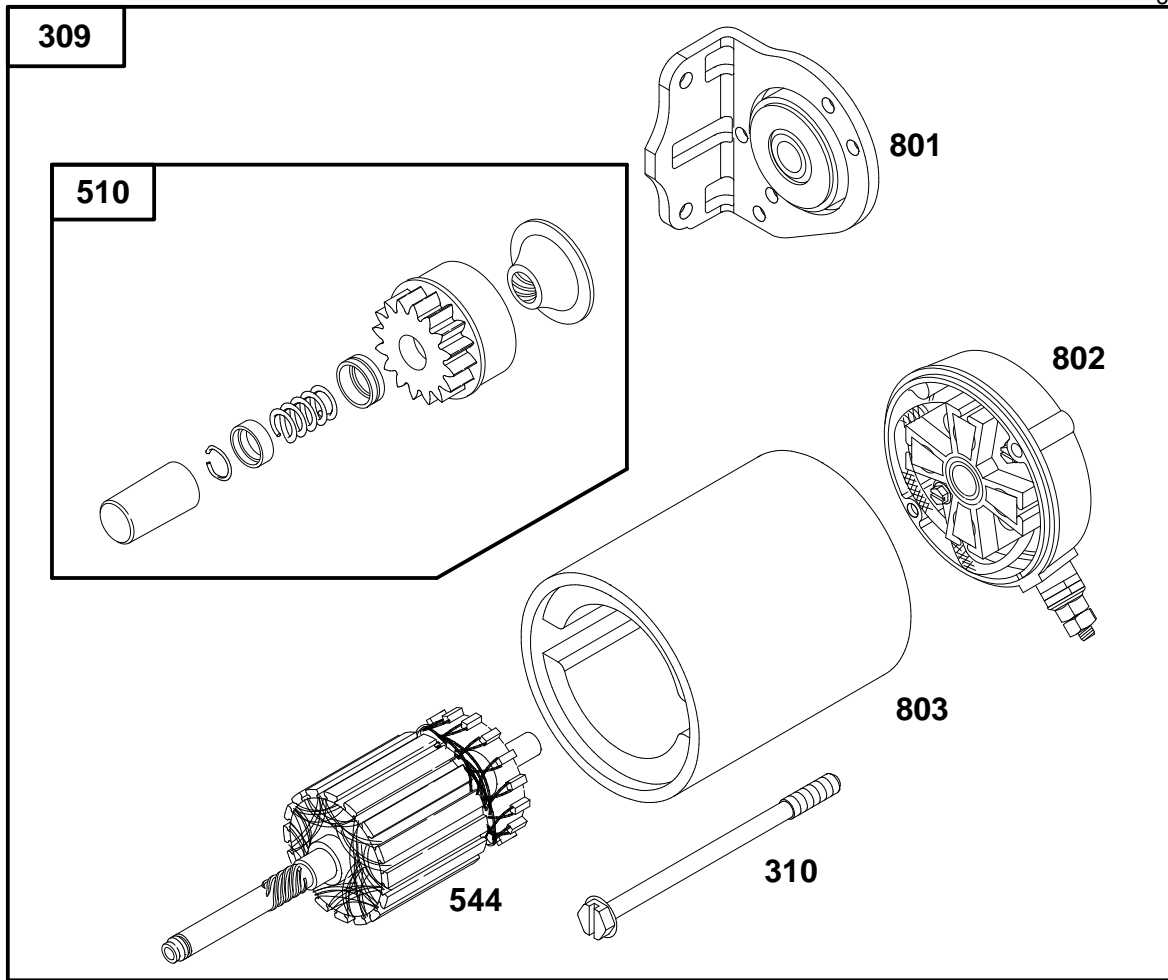


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

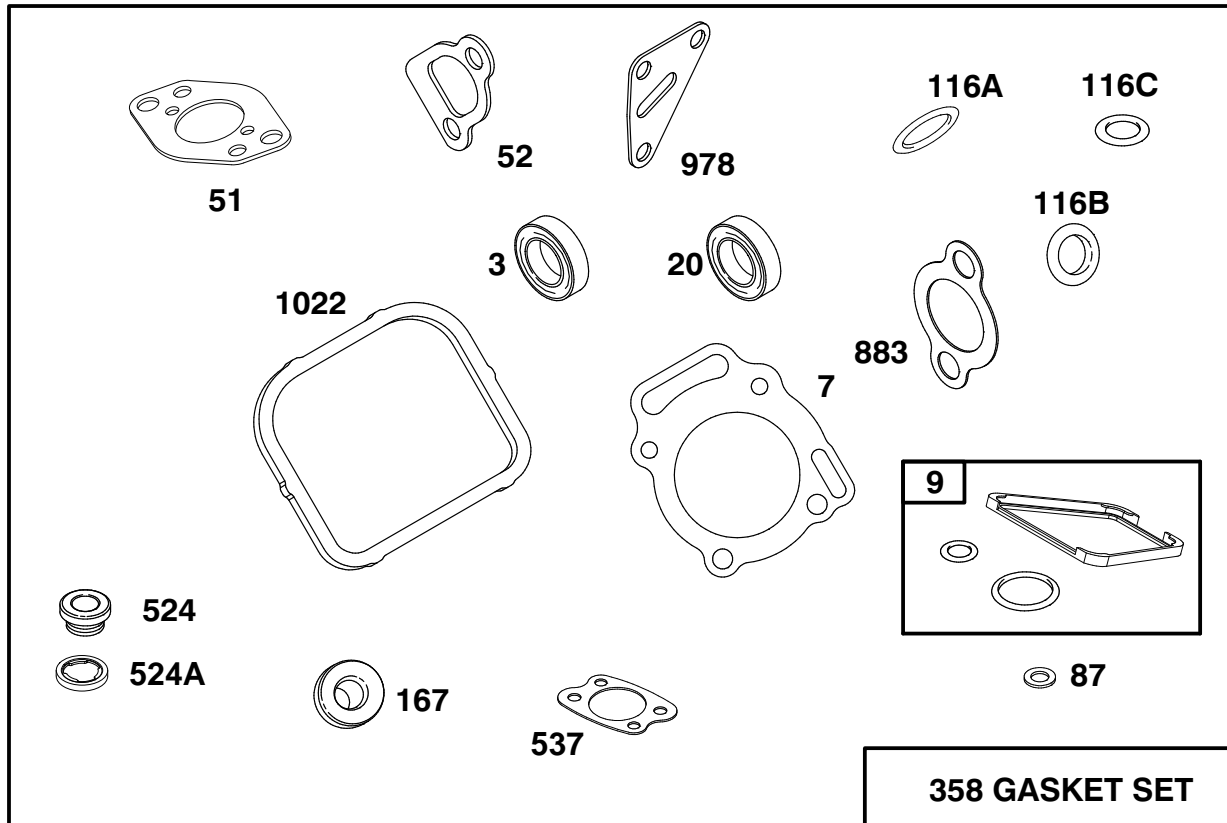
Ref. No.	Part No.	Description	No. Used
501	394890	Regulator – Alternator	1
507	398525	Insulator	1
520	93722	Terminal – Spade	1
526	805448	Screw – Hex. Hd.	1
529	805641	Grommet	1
726	808162	Gear – Flywheel Ring	1
729	280470	Clip – Wire	1
851	493880	Terminal – Ignition Cable	1
877	393537	Wire – Alternator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



ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

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



Assemblies include all parts shown in frames.

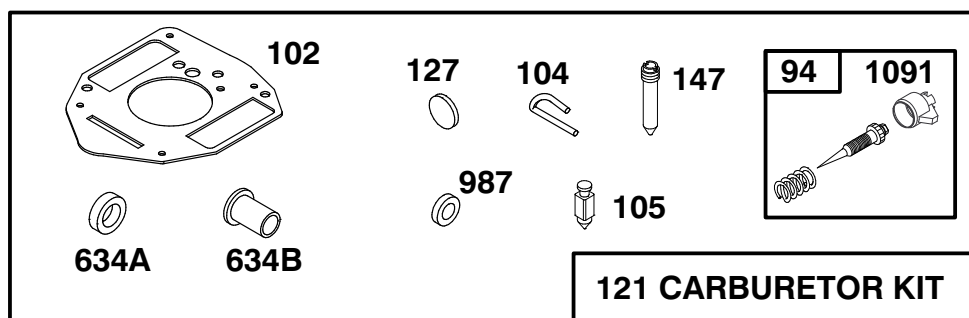
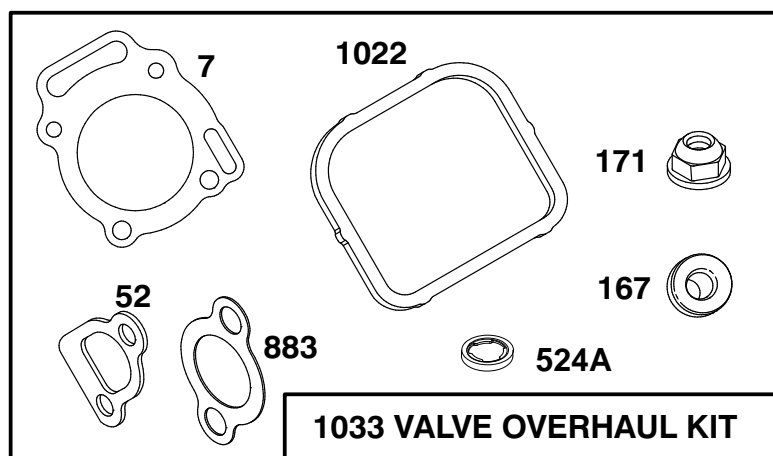
ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

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

*Included in Gasket Set - Part No. 808390.

‡Included in Valve Overhaul Kit - Part No 808392.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447-1179-E1

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

*Included in Gasket Set - Part No. 808390.

†Included in Carburetor Kit - Part No. 808273.

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

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-0348	Bushing - Sleeve	3	11	6	28-4210	Solenoid - Starter	20	5	1
3-0348	Bushing - Sleeve	4	14	6	28-8080	Boot Terminal (Red)	20	13	1
3-0348	Bushing - Sleeve	6	22	6	29-9080	Handle	33	3	1
3-1506	Bushing	1	24	2	29-9090	Hose - Handle	33	4	1
3-1506	Bushing - Flange	3	16	4	36-4310	Brush	33	5	1
3-1506	Bushing - Flange	4	30	4	37-8130	Basket - Grass	2	*	3
3-1506	Bushing - Flange	6	38	4	38-0410	Nut - Hex.	14	53	1
3-4808	Nut - Wing	34	1	1	38-0410	Nut - Hex.	16	59	1
3-6657	Clip - Skid	34	4	2	42-2680	Race R. Detent	13	46	1
3-6685	Spring - Compression	19	17	1	43-2830	Nut - Hex	26	33	1
5-0946	Key - Square	27	12	1	43-5220	Ring - Retaining	7	10	1
5-0946	Key - Square	28	16	1	43-5230	Shaft & Clevis	7	11	1
5-1226	Washer - Shim	3	10	2	43-5930	Washer - Lock	26	25	2
5-1226	Washer - Shim	4	16	2	43-8600	Spring - Compression	19	21	1
5-1226	Washer - Shim	6	24	2	43-8610	Seat - Ball	19	20	1
5-3934	Bolt - Castor	29	20	1	43-8620	Guide - Switch	19	23	1
10-6060	Pin - Lift Cylinder	3	7	1	43-8860	Plunger - Switch	19	22	1
10-6060	Pin - Pivot	4	19	1	43-8870	Boot - Switch	19	26	1
10-6090	Pin - Pivot	4	33	1	43-9071	Asm-Seat Switch	19	*	1
10-6090	Pin - Pivot	3	37	1	44-0870	Shaft - Cam	10	5	1
10-6090	Pin - Pivot	6	41	1	44-2230	Coupling - Rubber	27	16	1
10-6110	Pin - Hinge	3	3	1	44-5560	Head - Oil Filter	20	27	1
10-6110	Pin - Pivot	4	24	1	46-8560	Screw - Self Taping	20	20	3
10-6821	Asm-Brake Drum	8	*	2	47-2890	Bushing - Sleeve	17	20	2
10-6830	Stud - Drive	29	17	4	47-5320	Lever - Control	10	40	1
10-6850	Drum - Brake	8	6	2	47-6990	Nut - Steering Wheel	17	10	1
10-6870	Hub - Wheel	8	5	2	48-7610	Screw - HH	24	9	1
10-7070	Key - Square	27	20	1	48-7620	Screw - Cap Hex. Hd.	26	36	1
10-7820	Asm-Pivot Hinge	3	12	1	49-2040	Screw - Cap Hex. Hd.	26	27	4
10-7820	Asm-Pivot Hinge	4	25	1	49-5430	Rod - Control	10	1	1
10-7820	Asm-Pivot Hinge	6	33	1	49-5430	Rod - Control	1	4	1
10-7850	Latch - Parking Brake	1	23	1	49-5880	Shaft - Seat Support	19	27	1
10-8100	Strap - Brake Shaft	1	31	2	49-6110	Guard - Transfer Rod	1	6	1
10-8110	Washer - Thrust	3	9	6	49-6120	Pad - Footrest	1	13	1
10-8110	Washer - Thrust	4	15	6	49-6200	Lever - Cutting Control	2	42	1
10-8110	Washer - Thrust	6	23	6	49-6220	Bracket - Control Arm	10	9	1
10-8140	Spring - Torsion	1	7	1	49-6250	Bracket - Traction Pivot	10	35	1
11-0160	Asm-Roller Shaft Screw	3	14	2	49-6260	Asm-Pivot, Traction	10	21	1
11-0160	Asm-Roller Shaft Screw	4	28	2	49-6290	Shaft - Traction Pivot	10	37	1
11-0160	Asm-Roller Shaft Screw	6	36	2	49-6440	Pedal - Forward	10	42	1
12-3270	Screw - HWH	10	38	1	51-0350	Pin - Seat Spring	19	16	1
12-3270	Screw - Hex. Washer Hd.	26	17	4	51-0780	Slider - Seat	19	31	1
12-3270	Screw - Thread Forming	12	50	1	51-0790	Adjuster - Seat	19	6	1
12-9140	Decal	33	1	1	52-1990	Piston	5	3	1
17-9420	Screw - Traction Stop	10	34	1	52-2720	Asm-Roller	3	20	1
18-6320	Washer - Steering	29	7	4	52-2720	Asm-Roller	4	35	1
20-0070	Tube	34	5	1	52-2720	Asm-Roller	6	43	1
20-0080	Rod	34	7	1	52-5860	Collar - Spool	16	51	1
20-0110	Bracket - Alignment	34	2	1	52-5880	Ball - Steel	13	47	12
21-8470	Shaft - Roller	3	21	1	52-5900	Screw - Fillister Hd.	15	37	4
21-8470	Shaft - Roller	4	36	1	52-9230	Ring - Retaining	18	2	1
21-8470	Shaft - Roller	6	44	1	52-9260	Screw - Set	18	26	1
22-6090	Washer - Thrust	33	4	1	52-9270	Seat - Ball Check	18	24	1
23-8840	Puller - Bolt	33	3	1	52-9280	Ball - Check	18	22	1
23-8850	Tube - Support	33	5	1	52-9290	Retainer - Ball Check	18	21	1
23-8860	Pin - Bearing Rplcmnt.	33	6	1	56-2230	Hose - Fuel	24	17	1
23-8880	Driver - Bearing	33	1	2	56-7720	Bolt - Battery	20	17	2
26-3790	Nut - Lock	8	4	2	56-7970	Clamp Half - Tube	2	45	2
27-1960	Hub - Engine	27	21	1	57-6140	Clamp Half - Tube	8	20	2
27-1970	Hub - Pump	27	22	1	57-6220	Link	10	17	5
27-2270	Rod - Brake Adjusting	1	29	2	57-7650	Spring - Torsion	4	11	1
27-2320	Bearing - Flange	10	7	2	57-7650	Spring - Torsion	6	18	1
27-2320	Bearing - Flange	2	33	2	57-7650	Spring - Torsion	3	32	1
27-2380	Spacer	20	32	2	59-6730	Race - Bearing	18	8	2
27-2550	Pin - Pivot	6	27	1	59-6740	Bearing - Needle Thrust	18	9	1
27-6600	Spacer - Coupling	27	15	4	59-6830	Centering Pin Kit	18	20	1
28-1400	Battery	20	11	1	61-3310	Plate - Logo	20	21	1
28-3680	Tire	8	2	2	62-2420	Bar - Lift	6	8	1
28-3680	Tire	29	9	1	62-2440	Asm-Lift Arm	4	8	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
62-2460	Asm-Lift Arm, LH	3	29	1	76-1860	Shaft	5	6	1
63-3840	Hose - Hydraulic	11	36	1	78-0080	Clamp - Mounting	21	9	1
63-3850	Hose - Hydraulic	11	31	1	83-0030	Control - Throttle	21	12	1
63-3850	Hose - Hydraulic	3	39	1	83-0040	Control - Choke	21	13	1
63-4020	Tube - Hydraulic	31	17	1	83-0060	Lift - Pivot	1	26	1
63-4020	Tube - Hydraulic	11	40	1	83-0080	Spring - Torsion	1	25	1
63-4030	Tube - Hydraulic	31	18	1	83-0140	Pedal - Mow	2	38	1
63-4030	Tube - Hydraulic	11	41	1	83-0160	Shaft - Brake	2	48	1
63-4040	Asm-Hydraulic Tube	31	4	1	83-0190	Cover - RH	8	18	1
63-4040	Tube - Hydraulic	11	35	1	83-0200	Cover - LH	1	17	1
63-4050	Fitting - Tee	11	42	2	83-0540	Pedal - Traction	10	24	1
63-8360	Key - Ignition	21	17	1	83-0580	Rod - Traction Control	10	32	1
63-8410	Washer - Flat	24	4	4	83-0630	Arm - Traction Pivot	10	29	1
63-8410	Washer - Flat	23	36	3	83-0640	Plate - Footrest	1	12	1
63-8750	Pin - Pivot	6	9	1	83-0650	Arm - Steering	17	3	1
63-8750	Pin - Pivot	4	10	1	83-0700	Handle - Lockup	17	18	1
63-8750	Pin - Pivot	3	33	1	83-0730	Spacer - Lockup	17	15	1
63-9920	Decal - EEC	20	43	1	83-0740	Disc - Friction	17	14	2
65-4860	Head	5	9	1	83-0750	Screw - HH LH	17	6	1
65-6390	Washer - Thrust	17	13	1	83-0760	Plate - Lockup	17	16	1
65-8320	Bar - Gauge	2	*	1	83-0780	Support - Steering Valve	17	4	1
66-2950	Gauge - Hourmeter	21	5	1	83-0810	Cover - Steering Valve	17	25	1
67-1300	Decal - TORO	20	39	1	83-0830	Panel - Control Upper	20	33	1
67-8113	Cap - End	18	18	1	83-0840	Fender - LH	20	19	1
68-5100	Rod - Seat Prop	19	10	1	83-0870	Fitting - Hydraulic, Straight	23	32	3
68-5130	Asm-Steering Wheel	17	11	1	83-0910	Hose - Hydraulic	23	30	2
68-5140	Cap - Steering Wheel	17	9	1	83-0910	Hose - Pump	27	11	2
68-5260	Fitting - Manifold Tee	11	37	1	83-1030	Mount - Engine	26	4	3
68-5310	Clip - Seat Rod	19	12	1	83-1040	Washer - Mount	26	2	3
68-5380	Asm-Lift Arm	6	21	1	83-1050	Spacer - Mount	26	3	2
68-5560	Pin - Cylinder Pivot	6	26	1	83-1060	Adapter - Pump	26	10	1
68-5880	Hose - Hydraulic	20	30	1	83-1080	Pipe - Exhaust	26	7	1
68-6150	Breather	23	44	1	83-1150	Wire - Engine Ground	22	4	1
69-9760	Plate - Cover	2	50	1	83-1150	Wire - Engine Ground	26	38	1
70-1480	Relay	21	26	1	83-1200	Asm-Tube	11	5	1
70-2770	Head	7	8	1	83-1220	Plate - Clamp	8	21	1
70-2780	Piston	7	4	1	83-1270	Asm-Seat Support	19	7	1
70-7130	Asm-Tube	11	3	1	83-1350	Hose - Hydraulic	27	7	1
70-8130	Barrel	7	1	1	83-1350	Hose - Hydraulic	17	26	2
70-8250	Drive	18	16	1	83-1350	Hose - Hydraulic	29	28	1
70-9840	Shoe - Brake	8	8	4	83-1350	Hose - Hydraulic	11	45	1
70-9850	Clip - Retaining	8	23	2	83-1360	Hose - Hydraulic	17	27	1
70-9860	Cam - Brake	8	27	2	83-1360	Hose - Hydraulic	29	30	1
70-9870	Plate - Backing	8	10	2	83-1370	Hose - Hydraulic	17	28	1
70-9880	Spring - Return	8	7	4	83-1390	Fitting - Fuel Shut-Off	24	15	1
71-0990	Orifice	11	43	1	83-1400	Shield - Muffler	26	16	1
71-1500	Asm-Brake	8	*	2	83-1420	Column - Steering	17	23	1
72-3850	Seal - Filter	20	28	1	83-1430	Hose - Hydraulic	20	23	1
72-4320	Switch - Ball	19	18	1	83-1430	Hose - Hydraulic	23	34	1
72-4790	Hold-Down - Battery	20	16	1	83-1450	Sensor - Oil Level	23	3	1
74-0720	Tube - Manual	19	3	1	83-1460	Asm-Solenoid Valve	23	28	1
74-3570	Filter - Hydraulic Oil	20	29	1	83-1470	Washer - Neoprene	23	18	4
74-3730	Spacer - Hub	29	11	2	83-1520	Screen - Filler	23	6	1
74-3810	Asm-Load Plate	32	9	1	83-1530	Bracket - Alarm	21	23	1
74-3830	Hose - Hydraulic	11	28	1	83-1550	Spacer - Tank (Short)	23	17	2
74-9100	Pad - Forward Pedal	10	25	1	83-1560	Spacer - Tank (Long)	23	23	2
74-9110	Pad - Reverse Pedal	10	23	1	83-1630	Bracket - Muffler Support	26	24	1
75-0540	Tether - Cap	23	9	1	83-1640	Asm-Rod End	29	6	1
75-9440	Hub - Wheel	29	15	1	83-1660	Asm-Switch	21	6	1
76-0410	Spring	2	54	1	83-1670	Fitting - Special	11	27	1
76-0800	Kit-Seal	9	*	1	83-1680	Hose - Hydraulic	6	13	1
76-0810	Asm-Housing	9	*	1	83-1680	Hose - Hydraulic	11	30	1
76-0840	Manifold	9	22	1	83-1690	Hose - Hydraulic	11	21	1
76-0850	Bearing - Thrust	9	12	1	83-1690	Hose - Hydraulic	3	40	1
76-0860	Shaft - Coupling	9	11	1	83-1700	Bushing - Flange	8	33	2
76-0870	Plate - Wear	9	18	1	83-1700	Bushing - Flange	17	35	1
76-0880	Asm-Commutator	9	*	1	83-1840	Cover - RH	19	32	1
76-0940	Asm-End Cover	9	24	1	83-1860	Kit-Centering, Spring	18	12	1
76-1850	Clevis	5	13	1	83-1870	Gerotor	18	17	1

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
83-1880	Asm-Control Parts	18	*	1	92-0585	Asm-Pull Arm, RH	6	42	1
83-1890	Switch - Ball	14	54	1	92-0586	Asm-Pull Arm, LH	3	17	1
83-1890	Switch - Ball	16	60	1	92-0586	Asm-Pull Arm, LH	4	31	1
83-1940	Guard - Pump	27	30	1	92-0586	Asm-Pull Arm, LH	6	39	1
83-2000	Spool - Valve	23	42	1	92-1180	Asm-Seat	19	5	1
83-2010	Coil - Valve	23	43	1	92-2545	Seals - Spool	14	*	1
83-2030	Plate - Filler	21	3	1	92-2545	Seals - Spool	16	*	1
83-2040	Hose - Fuel	24	14	1	92-2546	Wiper - Seal	13	25	4
83-2041	Hose - Fuel	24	11	1	92-2546	Wiper - Seal	16	64	5
83-2070	Hose - Valve	23	14	1	92-2547	Plate - Seal Retainer	15	18	5
83-2080	Hose - Valve-Tank	23	29	1	92-2547	Plate - Seal Retainer	13	24	4
83-2090	Hose - Overflow	23	15	1	92-2548	Seals - Spool	14	*	1
83-2100	Tank - Auxiliary Hydraulic	23	26	1	92-2548	Seals - Spool	16	*	1
83-2200	Nut - Special	24	8	1	92-2549	Seals - Spool	16	*	1
83-2220	Deflector - Exhaust	26	20	1	92-3058	Spring - Centering	13	41	1
83-2230	Screw - Cap Hex. Hd.	26	22	4	92-3148	Spring	15	23	1
83-2240	Arrestor - Spark	26	*	1	92-4063	Plug - Filler Cap	23	7	1
83-2250	Guage - Sight	23	25	1	92-5524	Decal - Noise Rating	20	42	1
83-2280	Timer - Relay	21	27	1	92-6533	Kit - Cushion	19	35	1
83-2310	Shield	26	35	1	92-6534	Shell	19	36	1
83-2330	Asm-Hydraulic Cylinder	29	33	1	92-7189	Tank - Fuel	24	2	1
83-2340	Cap - Threaded	30	2	2	92-8020	Adapter - Breather	23	21	1
83-2350	Cap - Head, Thread	30	5	2	92-8690	Asm-Steering, Valve	17	24	1
83-2360	Asm-Rod	30	9	1	92-8691	Bushing - Seal Gland	18	3	1
83-2370	Asm-Barrel	30	12	1	92-8695	Kit-Seal	18	*	1
83-2380	Kit-Seal Repair	30	*	1	92-8696	Screw - Torx Hd.	18	19	7
83-2390	Pad - Tank	23	2	1	92-8697	Plate - Wear	18	15	1
83-2400	Spacer - Tank	23	1	2	92-8795	Asm-Body	32	10	1
83-2420	Cable - Positive	22	3	1	92-8796	Pin - Dowel	32	14	2
83-2430	Boot - Terminal	20	48	1	92-8863	Kit-Repair	32	*	1
83-2480	Decal - Parking Brake	1	9	1	92-8966	Reservoir - Hydraulic	23	5	1
83-2490	Decal - Service (Japanese)	19	34	1	92-9164	Asm-Frame	20	18	1
83-2510	Decal - Steering Arm	17	32	1	92-9176	Frame - Pull, L.H.	3	24	1
83-2520	Decal - Warning (Japanese)	17	5	1	92-9177	Frame - Pull, RH	4	1	1
83-2530	Decal - Mow/Lift (Japanese)	1	14	1	92-9199	Motor - Hydraulic	8	22	2
83-2540	Decal - Traction (Japanese)	20	38	1	92-9761	Link - Drive	9	13	7
83-2560	Decal - Warning (Japanese)	26	34	1	92-9762	Screw - HH	9	14	1
83-2570	Plate - Control (Japanese)	21	2	1	92-9763	Rotor Set	9	*	1
83-2580	Asm-Hydraulic Cylinder	4	22	1	92-9764	Asm-Hydraulic Pump	27	9	1
83-2580	Cylinder - Lift	3	6	1	92-9766	Plate - Gear 66B	28	14	1
83-2590	Bolt - Eccentric	2	47	1	92-9767	Hose - Hydraulic	11	18	2
83-7230	Asm-Hydraulic Cylinder	6	10	1	92-9767	Hose - Hydraulic	4	39	2
84-2000	Bracket - Brake	8	12	2	92-9772	Shaft - Drive	28	20	1
84-2203	Asm-Control Valve	16	*	1	92-9773	Gear - 58B	28	21	1
84-2203	Asm-Control Valve	11	16	1	92-9774	Asm-Idler Shaft, Gear.	28	12	1
84-3180	Decal - Oil (Japanese)	19	33	1	93-1386	Asm-Section #5	16	*	1
84-5300	Nut - Jam	29	5	1	93-2096	Arm - Brake	8	24	2
84-6560	Decal - Danger (Japanese)	4	3	1	93-2384	Spacer - Carrier	6	31	1
84-6560	Decal - Danger (Japanese)	6	3	1	93-2554	Valve - Needle	12	53	1
84-6560	Decal - Danger (Japanese)	3	13	1	93-2555	Fitting - Valve Body	11	17	1
84-9240	Decal - Service (Spanish)	19	34	1	93-2556	Asm-Needle Valve	12	*	1
84-9250	Decal - Service (French)	19	34	1	93-3651	Retainer - Boot	13	22	2
84-9260	Decal - Service (German)	19	34	1	93-3651	Retainer - Boot	15	47	3
84-9270	Decal - Service (Swedish)	19	34	1	93-3652	Asm-Boot, Spool	14	*	2
84-9280	Decal - Service (Italian)	19	34	1	93-3652	Asm-Boot, Spool	16	*	3
85-6540	Stud - Drive	8	28	8	93-6668	Decal - Danger	20	45	1
85-8120	Plate - Engine Mount	26	28	1	93-7160	Cap - Hydraulic Reservoir	23	8	1
86-5360	Kit-Repair	7	*	1	93-7170	Cap - Fuel	24	1	1
86-5390	Kit-Seal	5	*	1	93-7252	Decal - C.E. Mark	20	46	1
86-9820	Frame - Pull Rear	6	1	1	93-7257	Decal - Service	19	34	1
88-9620	Decal - Greensmaster 3100	2	46	1	93-7258	Decal - Service (Norwegian)	19	34	1
88-9630	Lift Pivot Bracket RH	2	40	1	93-7259	Decal - Service (Finnish)	19	34	1
88-9640	Lift Pivot Bracket LH	1	28	1	93-7260	Decal - Service (Danish)	19	34	1
88-9660	Shaft - Cutting Control	2	36	1	93-7261	Decal - Service (Dutch)	19	34	1
88-9700	Hose - Hydraulic	6	15	1	93-7276	Decal - Danger	20	44	1
88-9700	Hose - Hydraulic	11	20	1	93-7629	Pad - Brake	2	49	1
88-9830	Asm-Ignition Switch	21	14	1	93-7630	Pad - Mow	2	39	1
92-0585	Asm-Pull Arm, RH	3	19	1	93-7631	Pad - Lift	2	37	1
92-0585	Asm-Pull Arm, RH	4	34	1	93-8061	Plate - Control	21	2	1

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Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.			
		No.	Qty.			No.	Qty.		
93-8062	Decal - Parking Brake	1	9	1	218-498	Nut - Hex.	21	19	2
93-8063	Decal - Warning	17	5	1	218-578	Fuse - 10 Amp	21	7	1
93-8064	Decal - Danger	4	3	1	218-588	Screw	21	37	3
93-8064	Decal - Danger	6	3	1	218-589	Washer - Lock	21	36	1
93-8064	Decal - Danger	3	13	1	2112-11	Clamp - Muffler	26	14	1
93-8065	Decal - Traction	20	38	1	232-24	Stem - Valve	8	1	2
93-8067	Decal - Oil	19	33	1	232-24	Valve Stem w/Cap	29	18	1
93-8068	Decal - Steering Arm	17	32	1	233-48	Knob	10	11	1
93-8069	Decal - Warning	26	34	1	233-48	Knob	17	17	1
93-8075	Decal - Mow/Lift	1	14	1	237-7	O-Ring	19	24	1
93-9898	Decal - Lock	2	57	1	237-21	O-Ring	27	6	1
93-9901	Bracket - Lock Out, Mow	2	58	1	237-21	O-Ring	11	19	6
93-9903	Pin - Lock Out, Mow	2	56	1	237-21	O-Ring	17	29	4
93-9904	Arm - Lock Out, Mow	2	55	1	237-21	O-Ring	29	31	2
93-9934	Asm-Traction Handle	10	12	1	237-22	O-Ring	27	2	3
93-9936	Bracket - Cable	10	44	1	237-22	O-Ring	11	11	6
93-9937	Cable - Traction Return	10	45	1	237-22	O-Ring	31	11	5
94-2690	Filter - Fuel	24	13	1	237-30	O-Ring	31	3	5
94-2694	Cover - RH	20	2	1	237-30	O-Ring	11	7	2
94-2959	Asm-Ball Joint Receiver	4	4	2	237-30	O-Ring	19	19	1
94-2959	Asm-Ball Joint Receiver	6	4	2	237-30	O-Ring	27	27	1
94-2959	Asm-Ball Joint Receiver	3	25	2	237-35	O-Ring	6	11	2
94-3506	Asm-Reel Motor	31	8	3	237-42	O-Ring	27	4	4
94-3507	Asm-Cover	32	4	1	237-42	O-Ring	31	9	3
94-3508	Asm-Drive Shaft	32	7	1	237-42	O-Ring	11	15	4
94-3509	Asm-Idler Gear	32	6	1	237-42	O-Ring	17	31	4
94-4248	Collar Spool	15	26	1	237-54	O-Ring	15	3	6
94-5434	Spool #5	15	1	1	237-54	O-Ring	13	6	8
94-5586	Bar - Lift, LH	3	30	1	237-58	O-Ring	11	34	1
94-5588	Bar - Lift, RH	4	9	1	237-65	O-Ring	11	2	6
94-8036	Decal - Service	19	34	1	237-65	O-Ring	8	15	4
95-1628	Hinge - Upper	1	8	1	237-78	O-Ring	6	14	2
95-1629	Hinge - Lower	1	22	1	237-78	O-Ring	29	32	2
95-5952	Fork - Castor	29	19	1	237-78	O-Ring	3	38	2
95-5984	Asm-Hydraulic Hose	31	1	1	237-78	O-Ring	4	38	2
95-5985	Asm-Hydraulic Hose	31	2	1	237-79	O-Ring	31	7	3
95-5986	Asm-Hydraulic Hose	31	12	1	237-79	O-Ring	11	9	4
95-5987	Asm-Hydraulic Hose	31	5	1	237-79	O-Ring	23	11	5
95-5988	Asm-Hydraulic Hose	31	16	1	237-80	O-Ring	23	4	1
95-5989	Asm-Hydraulic Hose	31	13	1	237-80	O-Ring	8	13	4
98-0603	Boot Terminal (Black)	20	47	1	237-80	O-Ring	27	25	1
98-0616	Muffler	26	19	1	237-80	O-Ring	11	32	3
98-0636	Engine Assembly	26	15	1	237-81	O-Ring	11	38	1
98-0646	Hose - Hydraulic	11	4	1	237-101	O-Ring	20	26	2
98-0646	Hose - Hydraulic (Bottom)	8	*	1	237-123	O-Ring	23	24	1
98-0647	Hose - Hydraulic	11	1	1	237-143	Grommet	20	40	2
98-0647	Hose - Hydraulic (Top)	8	34	1	237-177	O-Ring	23	33	3
98-0648	Hose - Hydraulic	12	48	1	240-11	Grommet	24	3	4
98-0649	Hose - Hydraulic	27	1	2	240-11	Grommet	23	37	3
98-0649	Hose - Hydraulic	11	10	2	242-50	Nut - Lug	29	8	4
98-2150	Hose - Hydraulic	11	22	1	242-50	Nut - Lug	8	29	8
98-2150	Hose - Hydraulic	27	28	1	2410-18	Plug	33	2	1
98-2151	Hose - Hydraulic	11	6	1	2410-73	Retainer - Tether	23	10	1
98-2151	Hose - Hydraulic	27	8	1	2411-42	Joint - Ball LH Thread	10	30	1
98-2153	Hose - Hydraulic	12	51	1	2411-43	Joint - Ball RH Thread	10	33	1
98-2159	Asm-Audio Alarm	21	25	1	2412-34	Clamp - Hose	27	10	2
98-2160	Gauge - Voltmeter	21	4	1	2412-34	Clamp - Hose	20	24	2
98-2161	Wire Assembly	22	2	1	2412-34	Clamp - Hose	23	31	3
98-2162	Harness - Leak Detector	22	6	1	2412-36	Clamp - Hose	23	13	4
98-2163	Harness - Wire (Main)	22	1	1	2412-36	Clamp - Hose	24	16	2
98-2163	Harness - Wire (Main)	21	8	1	2412-39	Clamp - R	21	28	1
98-2163	Harness - Wire (Main)	26	37	1	2412-41	Clamp - R	24	5	3
98-2165	Cable - Negative	22	5	1	2412-41	Clamp-R	12	47	2
98-2165	Cable - Negative	26	39	1	2412-81	Clamp - R	26	40	1
98-2165	Cable - Negative	21	40	1	2412-94	Clamp - R	24	10	1
217-60	Rim	8	3	2	2412-98	Clamp - Hose	24	18	2
217-60	Rim	29	10	1	2412-108	Clamp - Hose	24	12	2
218-461	Nut - Hex.	21	16	2	2412-133	Clamp - R	19	4	2
218-461	Nut - Hex.	19	25	2	2412-141	Clamp - Hose	23	41	2

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
251-141	Bearing - Ball	3	22	2	325-11	Screw - HH	8	9	8
251-141	Bearing - Ball	4	37	2	3211-2	Screw - HH	10	19	2
251-141	Bearing - Ball	6	45	2	3217-5	Nut - Hex.	20	12	2
253-111	Seal - Shaft	29	12	2	3217-6	Nut - Hex.	28	1	4
254-61	Cup - Bearing	29	3	2	3217-6	Nut - Hex.	10	48	1
254-70	Cone - Bearing	29	4	2	3217-7	Nut - Hex.	13	33	3
254-78	Cone - Bearing	29	13	2	3217-12	Nut - Lock	29	26	1
254-79	Cup - Bearing	29	14	2	3217-25	Nut - Hex.	21	35	2
256-2	Bushing - Sleeve	10	20	2	3217-27	Nut - Hex.	21	10	2
256-155	Bushing - Flange	10	26	2	3218-13	Nut - Jam	20	8	2
256-155	Bushing - Flange	19	28	2	3219-2	Nut - Hex.	34	6	1
256-251	Bushing - Sleeve	10	10	2	3219-14	Nut - Hex.	20	7	2
282-2	Clevis - Adjusting	1	2	5	3219-18	Nut - Hex.	33	2	1
282-2	Clevis - Rod	10	3	1	3220-2	Nut - Jam	10	2	2
283-8	Pin - Clevis	3	4	1	3220-2	Nut - Jam	1	3	5
283-8	Pin - Clevis	4	18	1	3220-3	Nut - Jam	4	2	2
283-57	Pin - Clevis	10	8	1	3220-3	Nut - Jam	6	2	2
283-61	Pin - Clevis	1	1	5	3220-3	Nut - Jam	3	23	2
283-61	Pin - Clevis	10	4	1	3220-6	Nut - Jam	5	14	1
283-62	Pin - Clevis	10	46	1	3220-6	Nut - Jam	29	21	2
302-2	Fitting - Grease	6	17	1	3220-20	Nut - Jam LH Thread	10	31	1
302-2	Fitting - Grease	4	23	1	3229-22	Bolt - Carriage	1	10	2
302-2	Fitting - Grease Straight	3	34	1	3234-1	Screw - HH	2	53	4
302-5	Fitting - Grease	30	13	1	3234-1	Screw - HHF	10	6	4
302-5	Fitting - Grease	1	27	1	3234-4	Screw - HH	12	46	1
302-5	Fitting - Grease	4	29	4	3241-2	Screw - Set Square Hd.	27	19	2
302-5	Fitting - Grease	2	44	1	3241-6	Screw - Set Square Hd.	27	13	2
302-5	Fitting - Grease Straight	3	15	4	3245-1	Screw - Set, HSH	30	1	2
302-5	Fitting - Grease, Straight	6	37	5	3246-3	Screw - Set	17	12	1
302-11	Fitting - Grease	29	2	1	3253-3	Washer - Lock	26	26	4
302-55	Fitting - Grease	29	16	1	3253-3	Washer - Lock	23	39	2
302-60	Fitting - Grease 90°	3	8	2	3253-3	Washer - Lock	16	57	4
302-60	Fitting - Grease 90°	4	17	2	3253-4	Washer - Lock	19	2	2
302-60	Fitting - Grease 90°	6	32	1	3253-4	Washer - Lock	20	9	2
304-61	Clamp - R	11	23	1	3253-6	Washer - Lock	26	29	4
321-2	Screw - HH	23	16	1	3253-19	Washer - Lock	21	38	3
321-3	Screw - HH	20	10	4	3253-21	Washer - Lock	27	23	2
321-3	Screw - HH	19	13	1	3253-21	Washer - Lock	4	27	2
321-3	Screw - HH	2	52	3	3253-21	Washer - Lock	3	35	2
321-4	Screw - HH	1	16	2	3253-21	Washer - Lock	6	35	2
321-4	Screw - HH	8	31	1	3254-1	Washer - Lock	20	6	2
321-5	Screw - HH	21	21	1	3254-5	Washer - Lock	21	15	2
321-5	Screw - HH	8	26	8	3254-6	Washer - I.T.L.W.	10	18	2
321-11	Screw - HH	8	17	1	3255-7	Washer - Lock, Int. Tooth	21	29	1
321-11	Screw - HH	23	40	2	3255-8	Washer - Lock, Int. Tooth	34	9	1
321-11	Screw - HH	2	43	1	3255-20	Washer - Lock, Ext. Tooth	21	34	2
322-1	Screw - HH	3	1	3	3255-25	Washer - Lock, Int. Tooth	21	31	2
322-1	Screw - HH	4	21	3	3256-1	Washer - Flat	26	18	8
322-1	Screw - HH	6	30	2	3256-1	Washer - Flat	21	20	9
322-1	Screw - HH	27	31	2	3256-1	Washer - Flat	2	51	9
322-2	Screw - HH	19	1	2	3256-22	Washer - Flat	20	3	5
322-3	Screw - Cap Hex. Hd.	26	32	6	3256-22	Washer - Flat	8	30	2
322-3	Screw - HH	6	25	1	3256-22	Washer - Flat	23	45	1
322-4	Screw - HH	27	32	2	3256-22	Washer - Flat	12	52	1
322-4	Screw - HH	20	36	4	3256-23	Washer - Flat	3	2	3
322-5	Screw - HH	10	36	2	3256-23	Washer - Flat	27	17	8
322-6	Screw - HH	27	18	4	3256-23	Washer - Flat	23	19	4
322-8	Screw - Cap Hex. Hd.	26	21	2	3256-23	Washer - Flat	4	20	3
322-14	Screw - HH	23	20	2	3256-23	Washer - Flat	26	23	2
322-14	Screw - HH	11	39	3	3256-23	Washer - Flat	6	28	3
322-29	Screw - HH	23	22	2	3256-23	Washer - Flat	19	30	4
323-4	Screw - HH	17	7	2	3256-23	Washer - Flat	20	35	4
323-6	Screw - HH	24	6	3	3256-24	Washer - Flat	10	14	6
323-6	Screw - HH	23	35	3	3256-24	Washer - Flat	4	26	2
323-8	Screw - HH	27	24	2	3256-24	Washer - Flat	6	34	2
323-12	Screw - Cap Hex. Hd.	26	1	3	3256-24	Washer - Flat	3	36	2
323-13	Screw - HH	1	5	4	3256-26	Washer - Flat	4	12	1
324-7	Screw - Cap Hex. Hd.	26	30	4	3256-26	Washer - Flat	6	20	1
325-4	Screw - HH	17	19	2	3256-26	Washer - Flat	3	31	1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3256-26	Washer - Flat	17 34 2	32128-20	Nut - Flange Lock	10 27 1
3256-28	Washer - Flat	29 27 1	32128-20	Nut - Flange Lock	27 29 2
3256-38	Washer - Flat	2 35 6	32128-20	Nut - Flange Lock	26 31 8
3256-63	Washer - Flat	24 7 1	32128-20	Nut - Lock, Flange	34 3 1
3256-80	Washer - Flat	17 2 3	32128-33	Nut - Flange Lock	1 18 2
3257-42	Key - Woodruff	8 11 2	32128-33	Nut - Lock	8 32 1
3257-42	Key - Woodruff	9 17 1	32136-9	Nut - Hex. Slotted	29 34 1
3272-4	Pin - Cotter	10 13 1	32141-111	Nut - Flange Lock	1 11 1
3272-6	Pin - Cotter	1 30 5	32144-21	Screw - RH	17 8 2
3272-6	Pin - Cotter	10 41 1	32148-6	Insert - Threaded	1 19 8
3272-10	Pin - Cotter	10 47 1	32149-2	Nut - Keps	20 37 2
3272-11	Pin - Cotter	3 5 2	32149-7	Nut - Keps	20 41 2
3272-11	Pin - Cotter	19 9 1	32151-41	Ring - Retaining	32 13 1
3272-11	Pin - Cotter	4 13 2	32152-10	Nut - Hex.	7 2 1
3272-11	Pin - Cotter	6 19 1	32152-10	Nut - Lock	5 2 1
3272-37	Pin - Cotter	29 1 1	340-1	Fitting - Hydraulic, Straight	17 30 4
3273-26	Screw - HSH	21 18 4	340-14	Fitting - Hydraulic 45°	8 14 4
3274-7	Screw - Socket Hd.	26 9 2	340-16	Fitting - Hydraulic 90°	11 33 1
3274-12	Screw - HSH	19 29 4	340-18	Fitting - Hydraulic 90°	11 13 1
3274-15	Screw - Fillister Hd.	13 43 2	340-77	Fitting - Hydraulic 90°	31 10 2
3274-31	Screw - HSH	1 15 4	340-77	Fitting - Hydraulic 90°	11 14 2
3274-39	Screw - HH	17 21 6	340-82	Fitting - Hydraulic 90°	27 5 1
3274-52	Screw - HSH	13 20 4	340-87	Fitting - Hydraulic 45°	27 3 3
3274-52	Screw - HSH	15 45 6	340-87	Fitting - Hydraulic 45°	31 15 1
3274-63	Screw - HSH	17 33 2	340-98	Fitting - Hydraulic 90°	31 14 3
3274-64	Screw - HSH	20 4 3	340-101	Fitting - Hydraulic 45°	11 8 1
3274-69	Screw - HSH	21 1 8	340-103	Fitting - Hydraulic 45°	6 12 2
3274-70	Screw - HSH	13 1 2	340-105	Fitting - Hydraulic 90°	27 26 1
3274-80	Screw - HH	17 1 3	340-132	Fitting - Hydraulic 90°	29 29 2
3274-84	Screw - HH	16 58 4	340-137	Fitting - Hydraulic 45°	11 44 1
3284-3	Pin - Groove	19 15 1	340-138	Fitting - Hydraulic 45°	11 12 2
3290-277	Nut - Speed	17 22 6	351-78	Edging	19 40 1
3290-317	Washer - Wave	3 18 2	353-301	Poppet	13 27 1
3290-317	Washer - Wave	4 32 2	353-302	O-Ring	15 7 3
3290-317	Washer - Wave	6 40 2	353-302	O-Ring	13 10 3
3290-357	Nut - Flange Lock	26 8 3	353-303	Ring - Backup	15 8 6
3290-378	Tie - Cable	26 41 1	353-303	Ring - Backup	13 9 6
3290-379	Tie - Cable	6 46 1	353-304	Spring	13 28 1
3290-470	Screw - Flat Hd.	20 22 2	353-305	O-Ring	15 5 5
3296-4	Nut - Lock	10 22 2	353-305	O-Ring	13 8 4
3296-16	Nut - Lock	19 11 1	353-306	Ring - Backup	15 4 5
3296-16	Nut - Lock	1 21 2	353-306	Ring - Backup	13 7 4
3296-16	Nut - Lock	21 24 9	353-328	Washer - Shim	13 15 A/R
3296-16	Nut - Lock	20 34 3	353-328	Washer - Shim	15 32 A/R
3296-16	Nut - Lock	12 49 1	353-329	Washer - Shim	13 16 A/R
3296-23	Nut - Lock	8 19 8	353-329	Washer - Shim	15 33 A/R
3296-27	Nut - Lock	21 11 4	353-330	Washer - Shim	13 17 A/R
3296-29	Nut - Lock	19 8 4	353-330	Washer - Shim	15 34 A/R
3296-29	Nut - Lock	27 14 4	353-331	O-Ring	13 29 1
3296-29	Nut - Lock	10 16 3	353-334	Cap - Relief	13 19 2
3296-29	Nut - Lock	6 29 1	353-334	Cap - Relief	15 36 2
3296-39	Nut - Lock	1 20 2	353-392	Seal - Relief Poppet PTFE	13 13 2
3296-42	Nut - Lock	8 25 8	353-392	Seal - Relief Poppet PTFE	15 30 2
3296-59	Nut - Lock	10 15 4	353-398	Spring	15 35 1
3296-59	Nut - Lock	2 34 8	353-417	Collar Spring	15 20 2
3296-67	Nut - Lock	29 25 1	353-417	Collar Spring	13 40 2
32103-12	Nut - Wing	20 14 2	353-481	Plug - Load Check	15 2 3
32104-76	Screw - TAP	20 1 5	353-481	Plug - Load Check	13 5 3
32104-95	Screw - HH	21 39 1	353-483	Body - Anticavitation	16 61 1
32108-100	Screw - Flat Hd.	8 16 1	353-484	Retainer - Ball	16 62 1
32120-8	Ring - Retaining	5 10 1	353-529	Plate Seal	15 22 1
32121-6	Pin - Roll	10 39 1	353-531	Asm-Poppet	13 14 2
32121-6	Pin - Roll	2 41 1	353-531	Asm-Poppet	15 31 2
32121-35	Pin - Roll	2 32 8	353-550	Asm-Plug	15 13 1
32121-45	Pin - Roll	19 14 1	353-550	Plug - Hydraulic	23 38 1
32121-45	Pin - Roll	10 28 1	353-563	Fitting - Hydraulic, Straight	20 25 1
32121-51	Pin - Roll	10 43 1	353-564	Fitting - Hydraulic 90°	20 31 1
32122-35	Screw - Truss Head	34 8 1	353-575	Boot - Dust Cap	13 21 2
32128-20	Nut - Flange Lock	11 24 3	353-575	Boot - Dust Cap	15 46 3

*Not Illustrated

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353-579	Spring	13	45	1	353-853	Bolt - HH	15	10	3
353-599	Pin - Dowel	32	3	2	353-855	Spring	13	18	2
353-642	Asm-Relief, RC Mod.	16	*	1	353-855	Spring	15	44	1
353-642	Relief - RC Mod.	14	*	2	353-884	Key - Woodruff	28	19	4
353-668	Plate - Cap, Cover RH	15	11	1	353-886	Ring - Retaining	28	18	2
353-721	Plug	13	35	2	353-922	Seal - Ring	28	23	10
353-727	Bonnet	13	2	1	353-923	Asm-Bearing Plate	28	26	2
353-728	Sleeve	14	50	1	353-952	Ring - Backup	13	32	1
353-729	Spud - Detent	13	3	1	353-953	Asm-Plug	16	54	1
353-730	Spring	15	42	1	353-957	Seal - Lip	15	15	6
353-731	Ball	15	43	1	353-957	Seal - Lip	13	26	4
353-732	Sleeve - Detent	14	52	1	353-958	Ring - Backup	15	16	1
353-733	Spacer - Bonnet	13	4	1	353-967	Gear - 33B	28	24	6
353-733	Spacer - Bonnet	15	19	2	353-969	Plate - Gear 33B	28	25	3
353-737	Ball	16	63	1	354-2	Body Assembly	28	15	1
353-758	O-Ring	13	31	1	354-3	Asm-Bearing Plate	28	22	1
353-760	Body Relief	13	30	1	354-4	Asm-Bearing Plate	28	28	1
353-762	Spud - Detent Out	14	49	1	354-5	Adapter - Splined	28	27	1
353-763	Cap - Adjustment	13	44	1	354-6	Plate - Gear 18B	28	30	1
353-766	Asm-Relief WH (2000) PSI	14	*	1	354-7	Asm-Cover	28	31	1
353-768	Section #1 Complete	14	*	1	354-8	Asm-Drive Shaft, Gear	28	29	1
353-772	Left End Cover	13	34	1	354-9	Asm-Idler Shaft, Gear	28	5	1
353-780	Bonnet - R. Detent	13	42	1	354-11	Pin - Dowel	28	4	2
353-780	Positioner - R. Detent (Out)	14	*	1	354-12	Pin - Dowel	28	6	2
353-808	Collar - Spring	15	24	1	354-13	Pin - Dowel	28	11	4
353-830	O-Ring	15	25	1	354-14	Pin - Dowel	28	13	2
353-831	Spring	15	21	1	354-15	Seal - Shaft	28	17	1
353-833	Asm-Positioner	16	*	1	354-16	Washer - Lock	28	2	4
353-835	Seals - Section Set	14	*	1	354-17	Stud - Threaded	28	3	4
353-835	Seals - Section Set	16	*	1	354-25	Asm-Section #4	16	*	1
353-837	Section #2 Complete	14	*	1	354-26	Bonnet	15	27	2
353-839	Asm-Positioner, DI (SPL)	14	*	1	354-28	Screw - HSH	15	28	2
353-840	Asm-Position, DI (SP)	16	*	1	354-29	Plate - Thrust	13	48	1
353-841	Asm-Position, Spool	16	*	1	354-35	Gasket	28	32	1
353-844	Plus Series	16	55	1	354-46	Ring - Seal	32	8	1
353-845	Sleeve - Detent	15	41	1	354-50	Screw - HSH	32	1	4
353-846	Spud - DI (SPL)	15	40	1	354-51	Washer	32	2	4
353-847	Bonnet (SPL)	15	38	1	354-120	Fitting - Hydraulic 90°	23	27	3
353-848	O-Ring	15	14	1	354-121	Fitting - Hydraulic, Straight	23	12	1
353-849	Sleeve	15	39	1	354-122	Disc - Seal	16	52	1
353-850	O-Ring	16	56	1	354-129	Asm-Anticavitation Check	16	*	1
353-851	Body - Relief CP-RC Mod.	13	12	1	354-131	Asm-Section #3	16	*	1
353-851	Body - Relief CP-RC Mod.	15	29	2					

*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.

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

