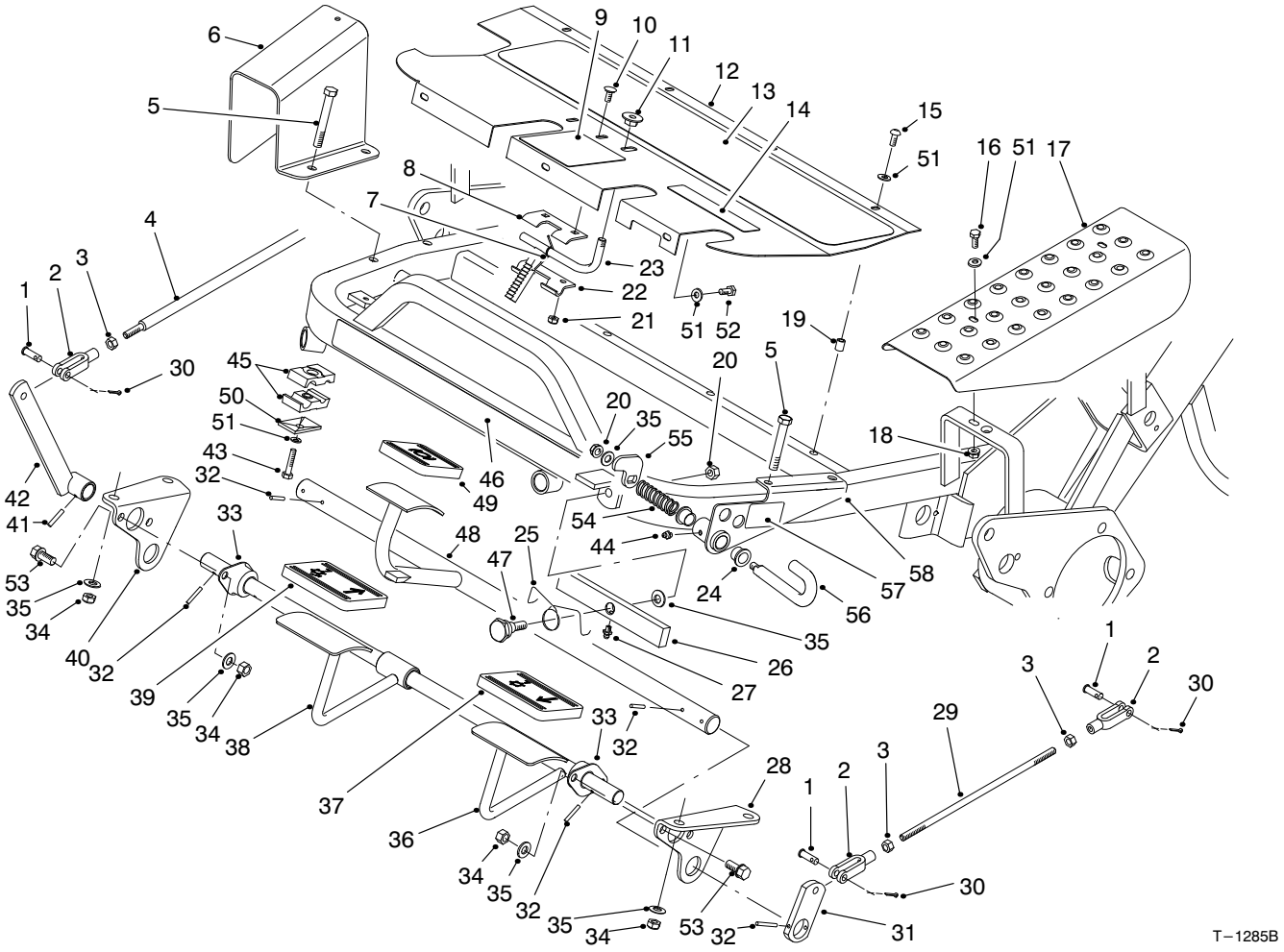
FORM NO. 3319−139 REV A

TORO®

MODEL NO. 04351−70001 & UP

PARTS CATALOG

GREENSMASTER® 3050
TRACTION UNIT



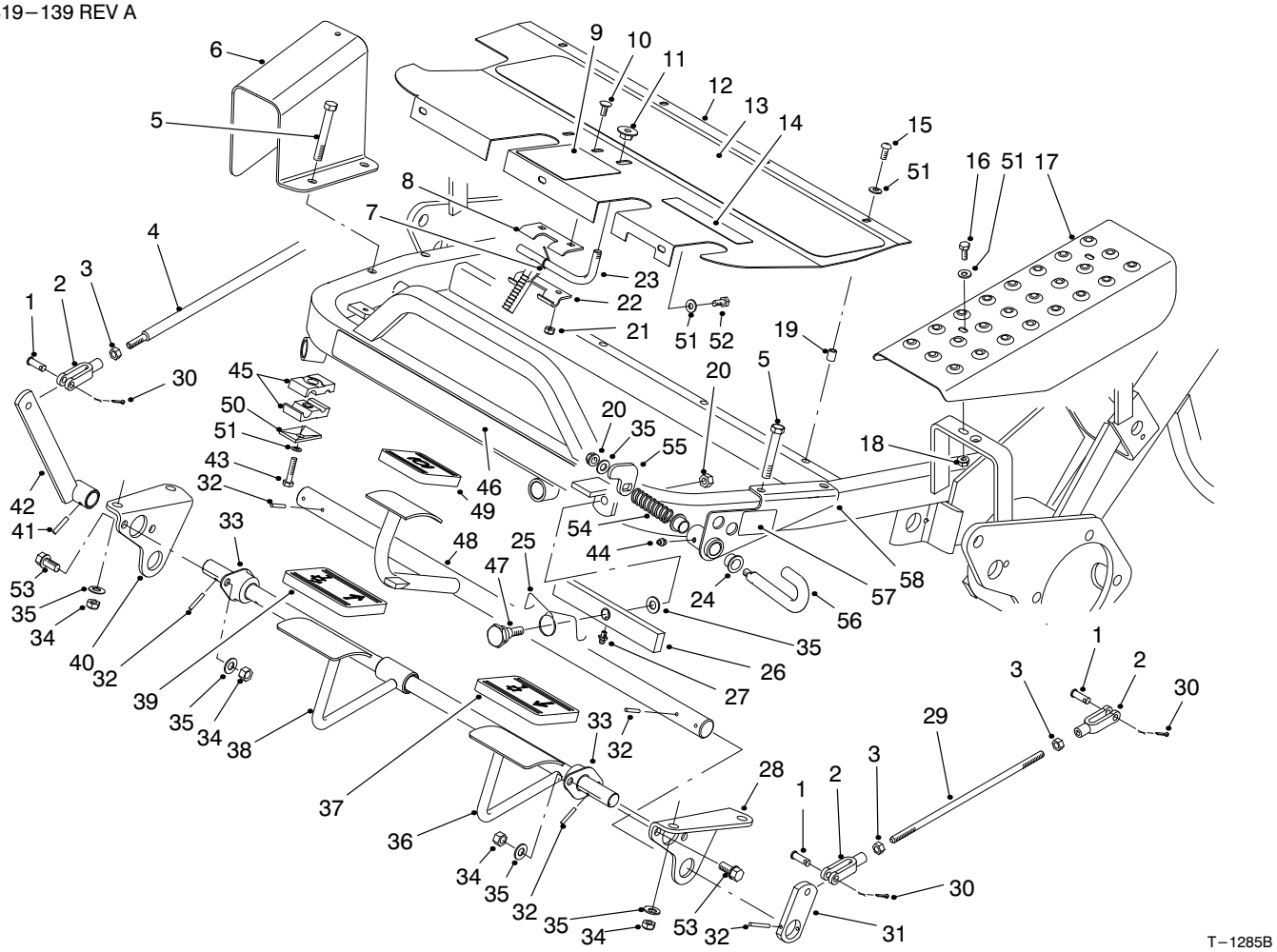
CONTROL PEDAL ASSEMBLY

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 − Cap Hex. Hd.	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
10	3229−11	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
15	3274−68	Screw − Hex. Socket Hd.	4
16	321−4	Screw − Hex. Flange Hd.	2
17	83−0200	Cover − L.H.	1

Ref. No.	Part No.	Description	No. Used
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 L.H.	1
29	27−2270	Rod − Brake Adjusting	2
30	3272−6	Pin − Cotter	5
31	10−8100	Strap − Brake Shaft	2
32	32121−35	Pin − Roll	8
33	27−2320	Bearing − Flange	2
34	3296−59	Nut − Lock	8

© The TORO Company − 1997
All Rights Reserved

TPS

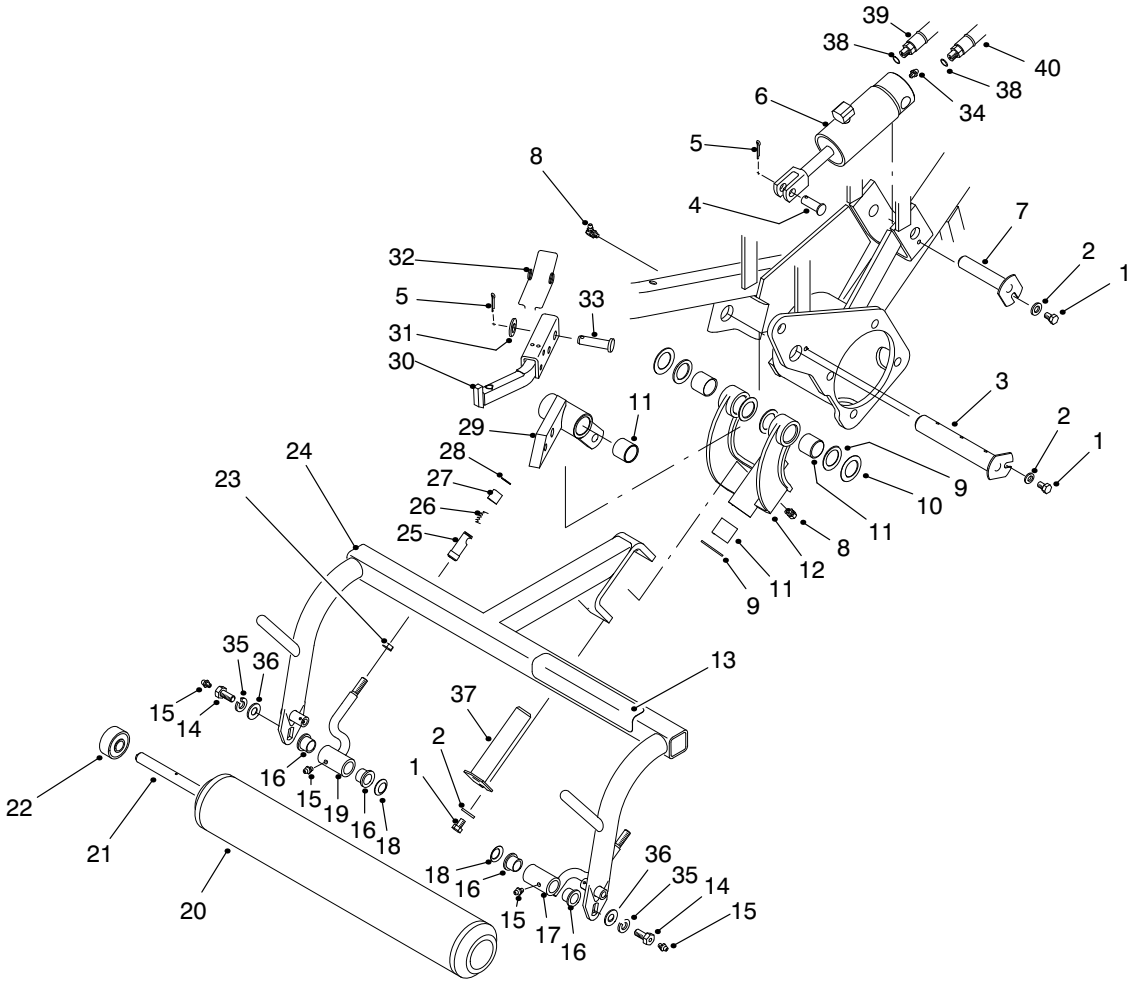


CONTROL PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
35	3256−38	Washer − Flat	6
36	88−9660	Shaft − Cutting Control	1
37	93−7631	Pad − Lift	1
38	83−0140	Pedal − Mow	1
39	93−7630	Pad − Mow	1
40	88−9630	Lift Pivot Bracket R.H.	1
41	32121−6	Pin − Roll	1
42	49−6200	Lever − Cutting Control	1
43	321−11	Screw − Cap Hex. Hd.	1
44	302−5	Fitting − Grease	1
45	56−7970	Clamp Half − Tube	2
46	95−5997	Decal − Greensmaster 3050	1
47	83−2590	Bolt − Eccentric	1

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

*Not Illustrated

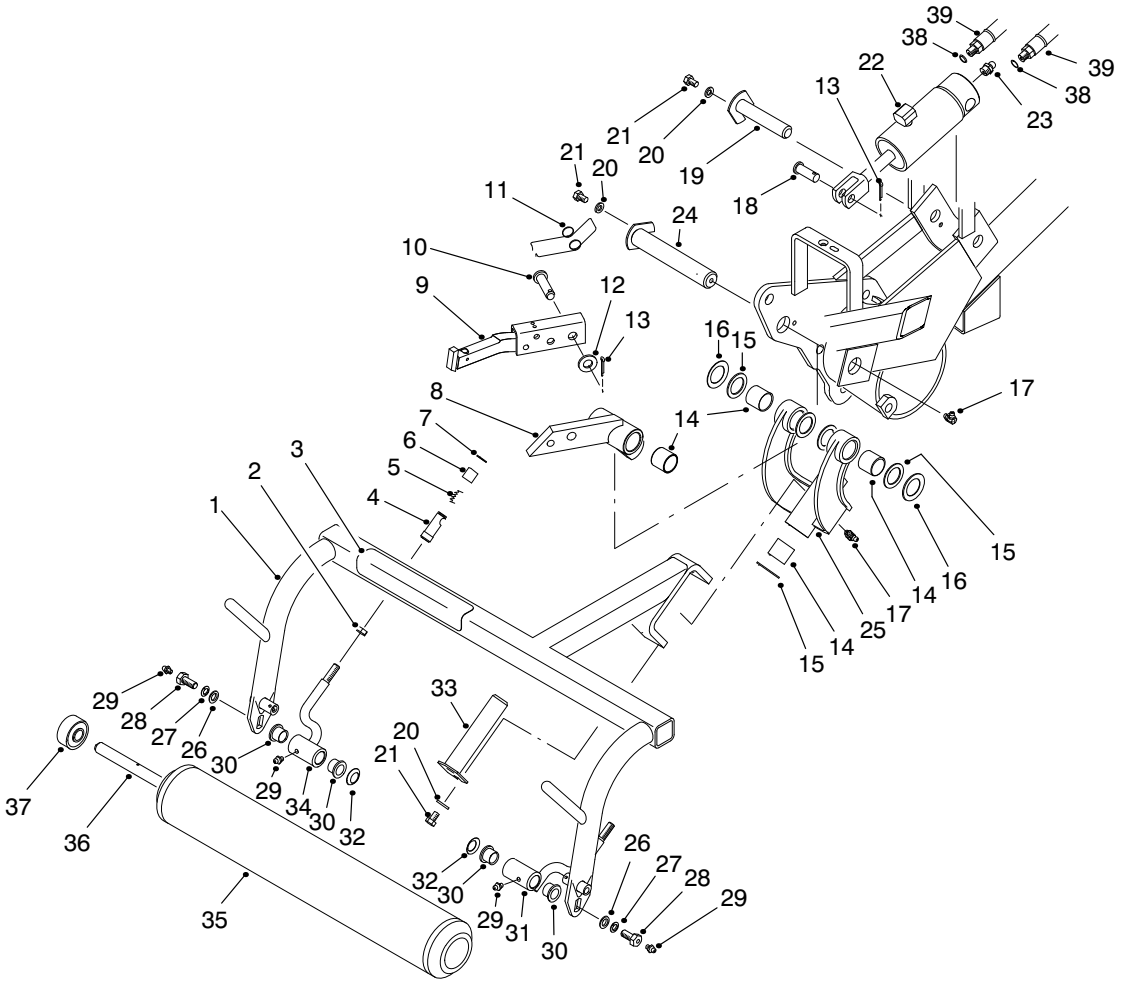


T−1283

PULL FRAME ASSEMBLY L.H.

Ref. No.	Part No.	Description	No. Used
1	322−1	Screw − Cap Hex. Hd.	3
2	3256−23	Washer − Flat	3
3	10−6110	Pin − Hinge	1
4	283−8	Pin − Clevis	1
5	3272−11	Pin − Cotter	2
6	83−2580	Cylinder − Lift	1
7	10−6060	Pin − Lift Cylinder	1
8	302−60	Fitting − Grease 90˚	2
9	10−8110	Washer − Thrust	6
10	5−1226	Washer − Shim	2
11	3−0348	Bushing − Sleeve	6
12	10−7820	Pivot Hinge Assembly (Incl. Ref. #11)	1
13	93−8064	Decal − Danger	1
14	11−0160	Roller Shaft Screw Assy. (Incl. Ref. #15)	2
15	302−5	Fitting − Grease Straight	4
16	3−1506	Bushing − Flange	4
17	92−0586	Pull Arm Assembly L.H. (Incl. Ref. #16)	1
18	3290−317	Washer − Wave	2
19	92−0585	Pull Arm Assembly R.H. (Incl. Ref. #16)	1
20	52−2720	Roller Assembly (Incl. Ref. #22)	1

Ref. No.	Part No.	Description	No. Used
21	21−8470	Shaft − Roller	1
22	251−141	Bearing − Ball	2
23	3220−3	Nut − Jam	2
24	92−9176	Frame − Pull L.H.	1
25	94−2959	Ball Joint Receiver Assy. (Incl. Ref. #26−28)	2
26		Spring − Compression	2
27		Sleeve	2
28		Ring − Retaining	2
29	62−2460	Lift Arm Assembly L.H. (Incl. Ref. #11)	1
30	94−5586	Bar − Lift L.H.	1
31	3256−26	Washer − Flat	1
32	57−7650	Spring − Torsion	1
33	63−8750	Pin − Pivot	1
34	302−2	Fitting − Grease Straight	1
35	3253−21	Washer − Lock	2
36	3256−24	Washer − Flat	2
37	10−6090	Pin − Pivot	1
38	237−78	Seal − O−Ring	2
39	63−3850	Hose − Hydraulic (Incl. Ref. #38)	1
40	83−1690	Hose − Hydraulic (Incl. Ref. #38)	1

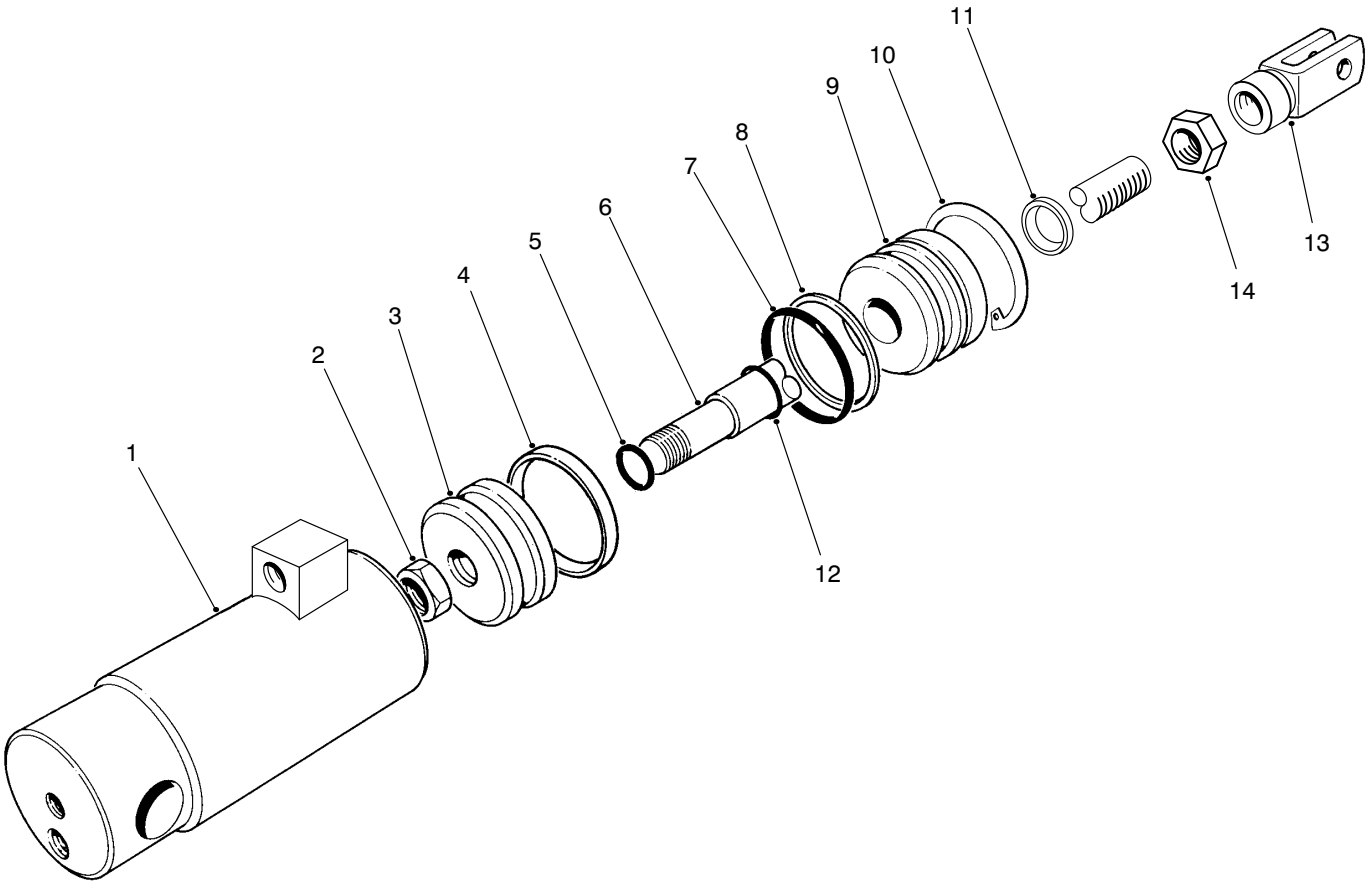


T−1284

PULL FRAME ASSEMBLY R.H.

Ref. No.	Part No.	Description	No. Used
1	92−9177	Frame − Pull R.H.	1
2	3220−3	Nut − Jam	2
3	93−8064	Decal − Danger	1
4	94−2959	Ball Joint Receiver Assy. (Incl. Ref. #5−7)	2
5		Spring − Compression	2
6		Sleeve	2
7		Ring − Retaining	2
8	62−2440	Lift Arm Assembly (Incl. Ref. #14)	1
9	94−5588	Bar − Lift, R.H.	1
10	63−8750	Pin − Pivot	1
11	57−7650	Spring − Torsion	1
12	3256−26	Washer − Flat	1
13	3272−11	Pin − Cotter	2
14	3−0348	Bushing − Sleeve	6
15	10−8110	Washer − Thrust	6
16	5−1226	Washer − Shim	2
17	302−60	Fitting − Grease 90°	2
18	283−8	Pin − Clevis	1
19	10−6060	Pin − Pivot	1
20	3256−23	Washer − Flat	3
21	322−1	Screw − Cap Hex. Hd.	3
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	92−9767	Hose − Hydraulic (Incl. Ref. #38)	2



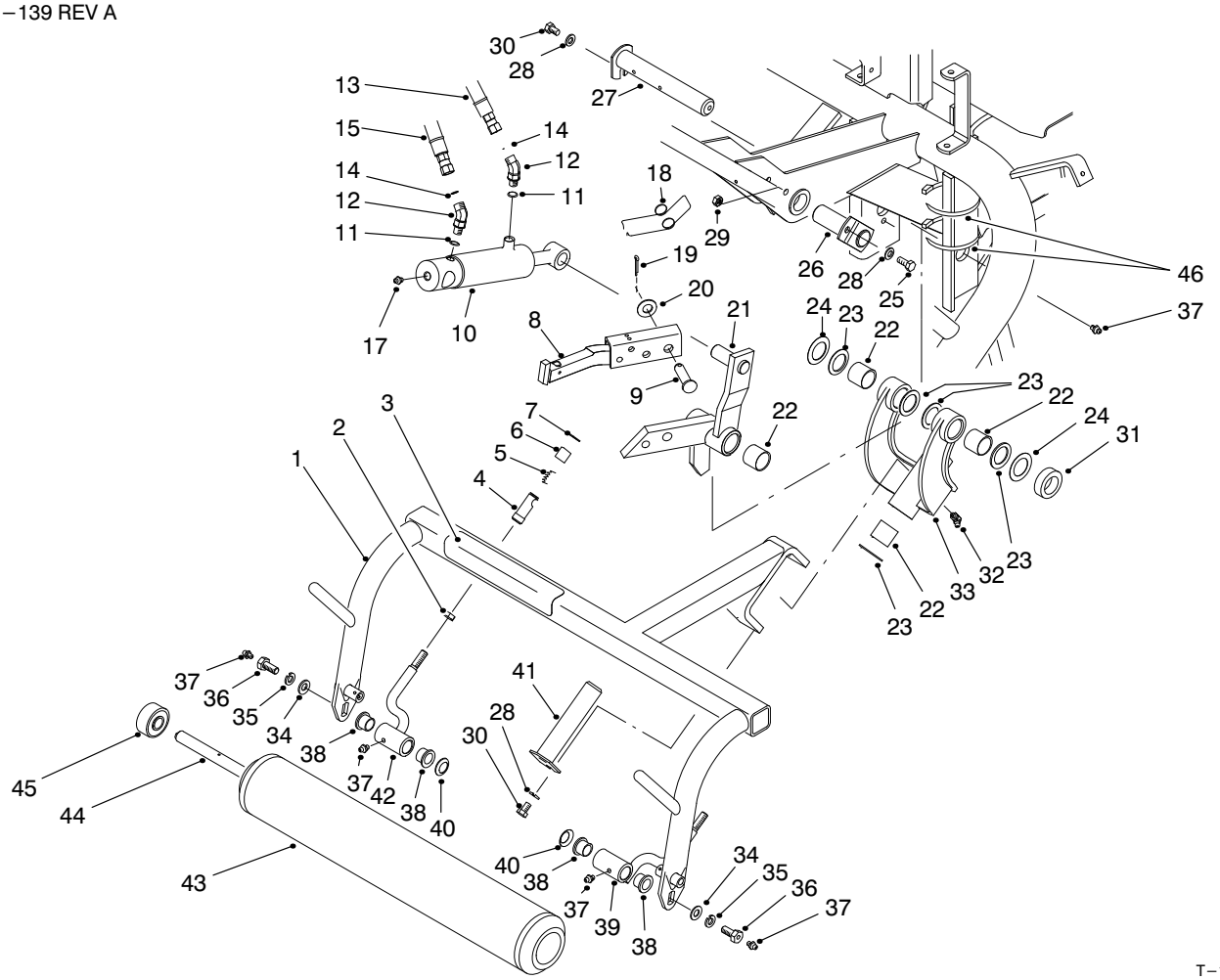
T−1246

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		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

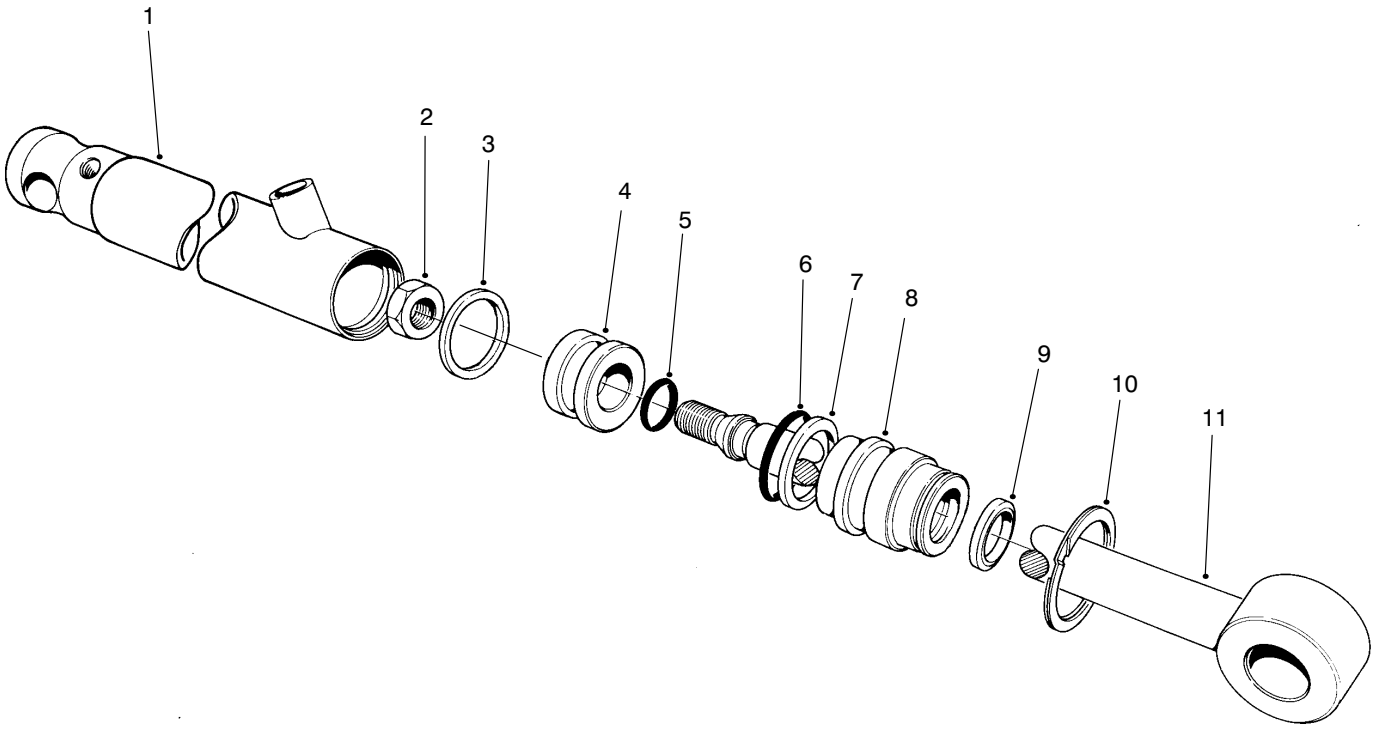


T−1286−2

PULL FRAME ASSEMBLY REAR

Ref. No.	Part No.	Description	No. Used
1	86−9820	Frame − Pull Rear	1
2	3220−3	Nut − Jam	2
3	93−8064	Decal − Danger	1
4	94−2959	Ball Joint Receiver Assy. (Incl. Ref. 5−7)	2
5		Spring − Compression	2
6		Sleeve	2
7		Ring − Retaining	2
8	62−2420	Bar − Lift	1
9	63−8750	Pin − Pivot	1
10	83−7230	Hydraulic Cylinder Assembly	1
11	237−21	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	3256−23	Washer − Flat	3
29	3296−29	Nut − Lock	1
30	322−1	Screw − Cap Hex. Hd.	2
31	93−2384	Spacer − Carrier	1
32	302−60	Fitting − Grease 90°	1
33	10−7820	Pivot Hinge Assembly (Incl.Ref. #22)	1
34	3256−24	Washer − Flat	2
35	3253−21	Washer − Lock	2
36	11−0160	Roller Shaft Screw Assy. (Incl. Ref. #37)	2
37	302−5	Fitting − Grease Straight	5
38	3−1506	Bushing − Flange	4
39	92−0586	Pull Arm Assembly L.H. (Incl. Ref. #38)	1
40	3290−317	Washer − Wave	2
41	10−6090	Pin − Pivot	1
42	92−0585	Pull Arm Assembly R.H. (Incl. Ref. #38)	1
43	52−2720	Roller Assembly (Incl. Ref. #45)	1
44	21−8470	Shaft − Roller	1
45	251−141	Bearing − Ball	2
46	3290−379	Tie − Cable	2



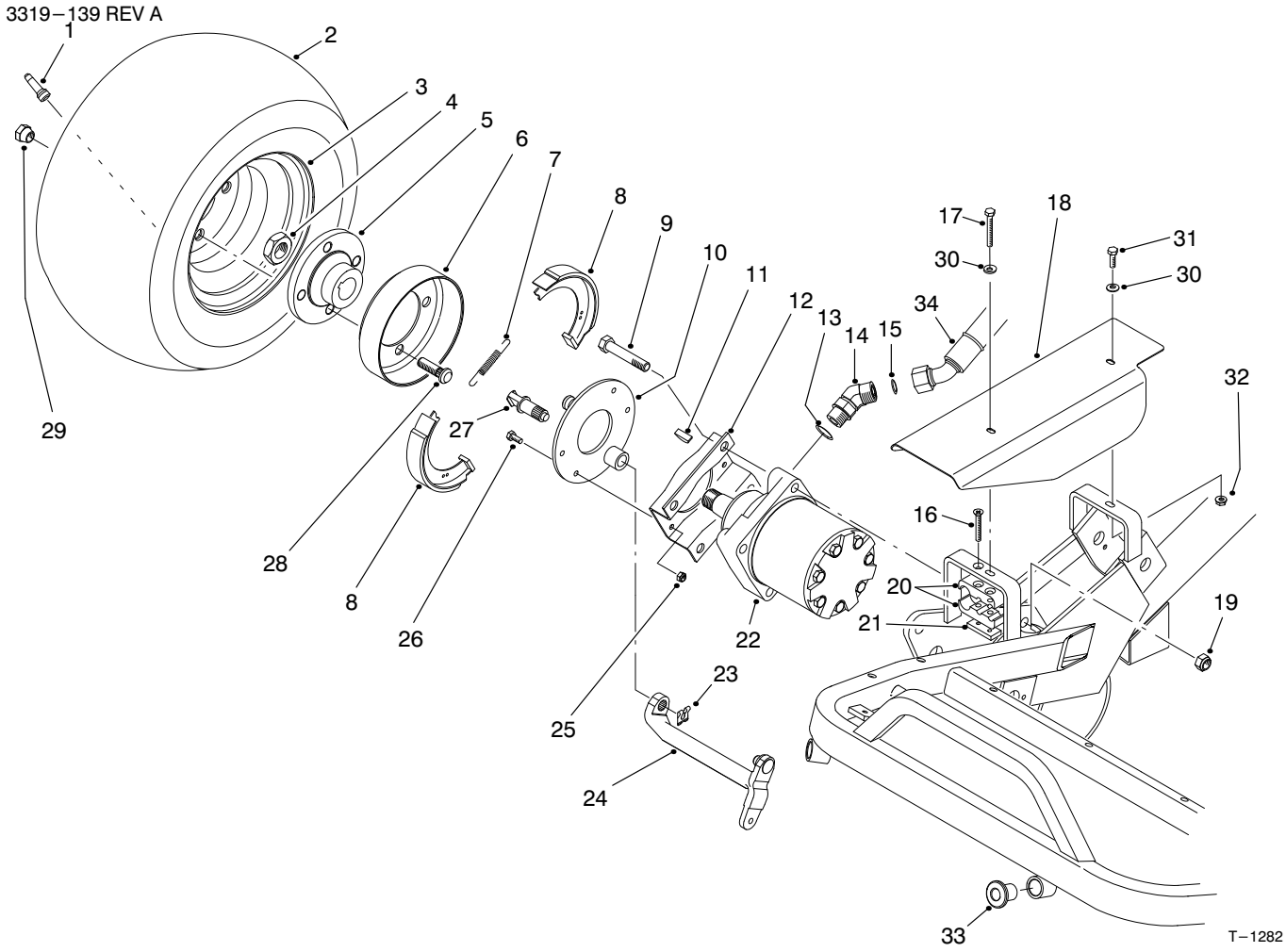
T−0640

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		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

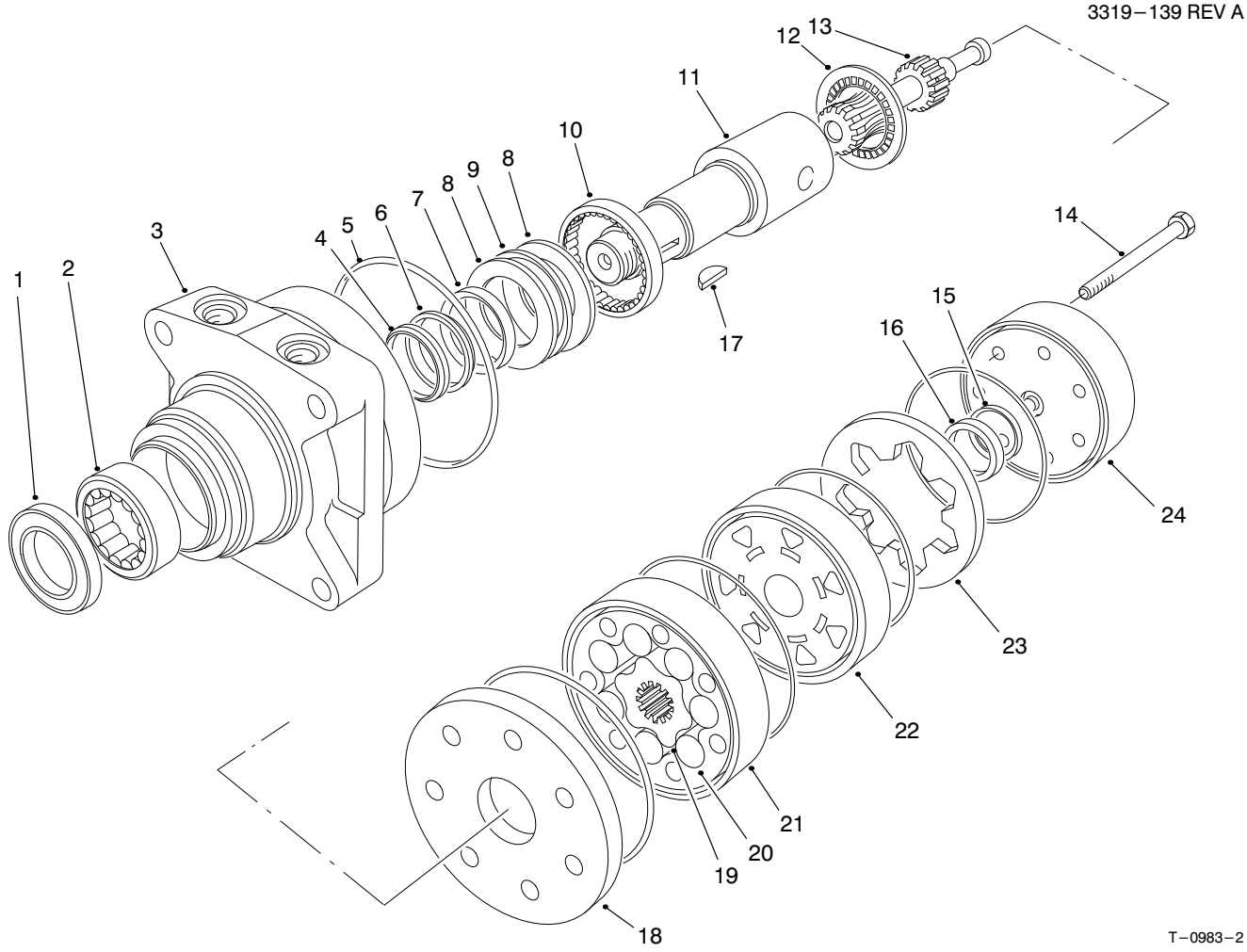


FRONT WHEEL & BRAKE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
21	83−1220	Plate − Clamp	1
22	92−9199	Motor − Hydraulic	2
23	70−9850	Clip − Retaining	2
24	93−2096	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	3
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



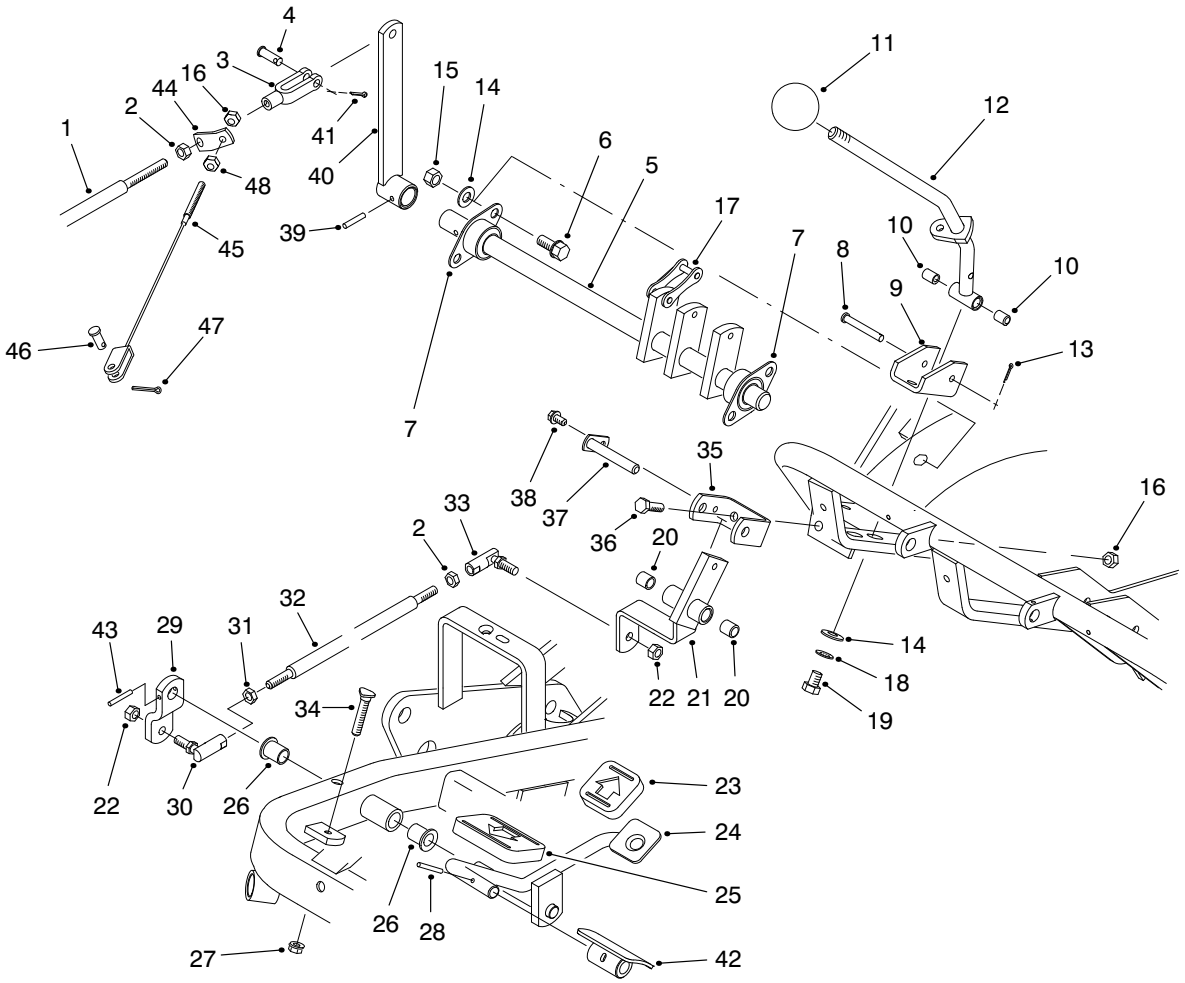
T−0983−2

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92−9199

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

Ref. No.	Part No.	Description	No. Used
17	3257−42	Key − Woodruff	1
18	76−0870	Plate − Wear	1
19		Rotor	1
20		Vane	7
21		Stator	1
22	76−0840	Manifold	1
23		Ring − Commutator	1
24	76−0940	End Cover Assembly	1
*	92−9763	Rotor Set (Incl. Ref. #19−21)	1
*	76−0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
*	94−8178	Seal Kit (Incl. Ref. #1, 4−7 & 15)	1
*	76−0810	Housing Assembly (Incl. Ref. #2, 3 & 8−10)	1

*Not Illustrated

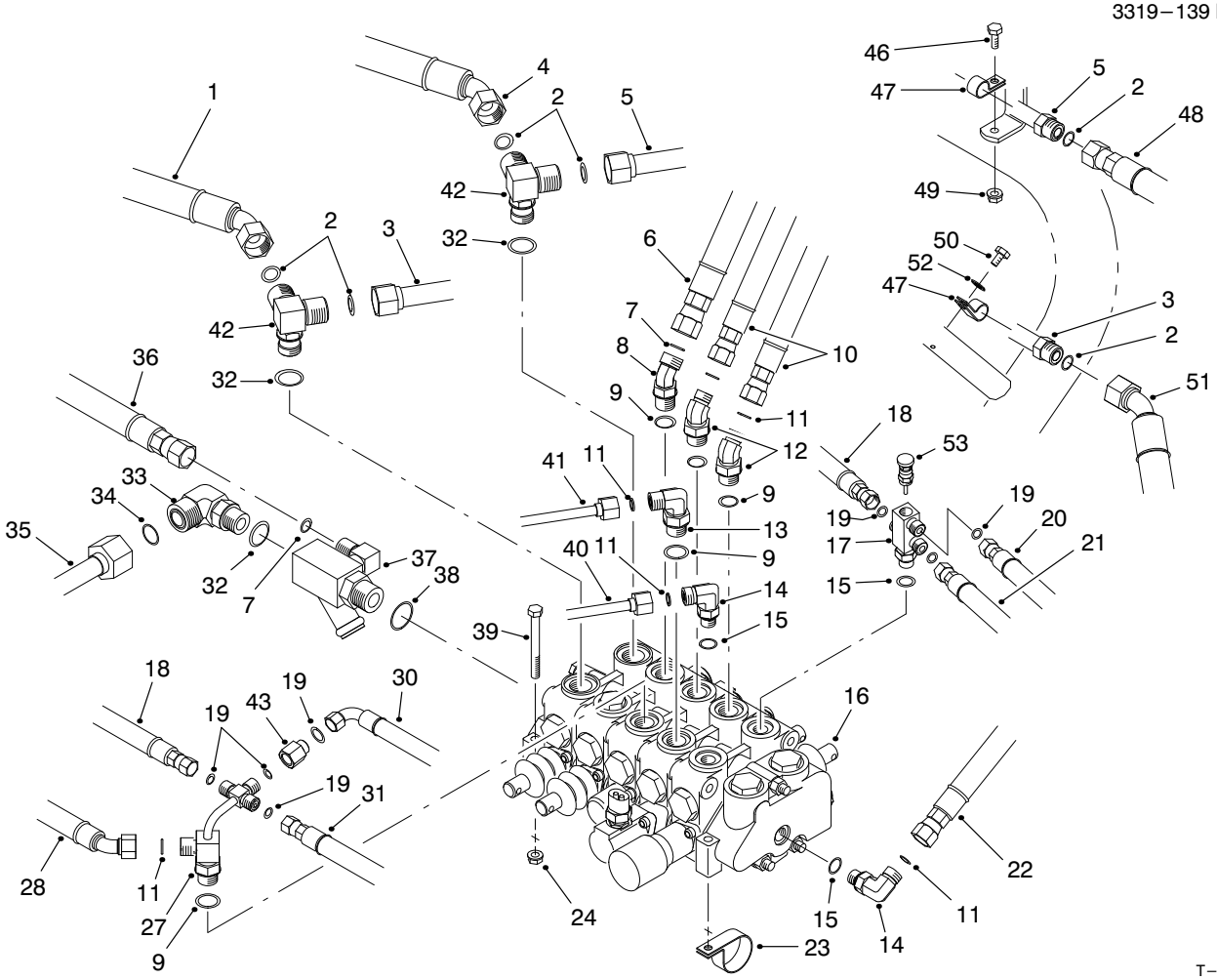


T−1287

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	93−9934	Traction Handle Assembly (Incl. Ref. #10)	1
13	3272−4	Pin − Cotter	1
14	3256−24	Washer − Flat	6
15	3296−59	Nut − Lock	4
16	3296−29	Nut − Lock	3
17	57−6220	Link	5
18	3254−6	Washer − I.T.L.W.	2
19	3211−2	Screw − Cap Hex. Hd.	2
20	256−2	Bushing − Sleeve	2
21	49−6260	Assy. − Pivot, Traction (Incl. Ref. #20)	1
22	3296−4	Nut − Lock	2
23	74−9110	Pad − Reverse Pedal	1

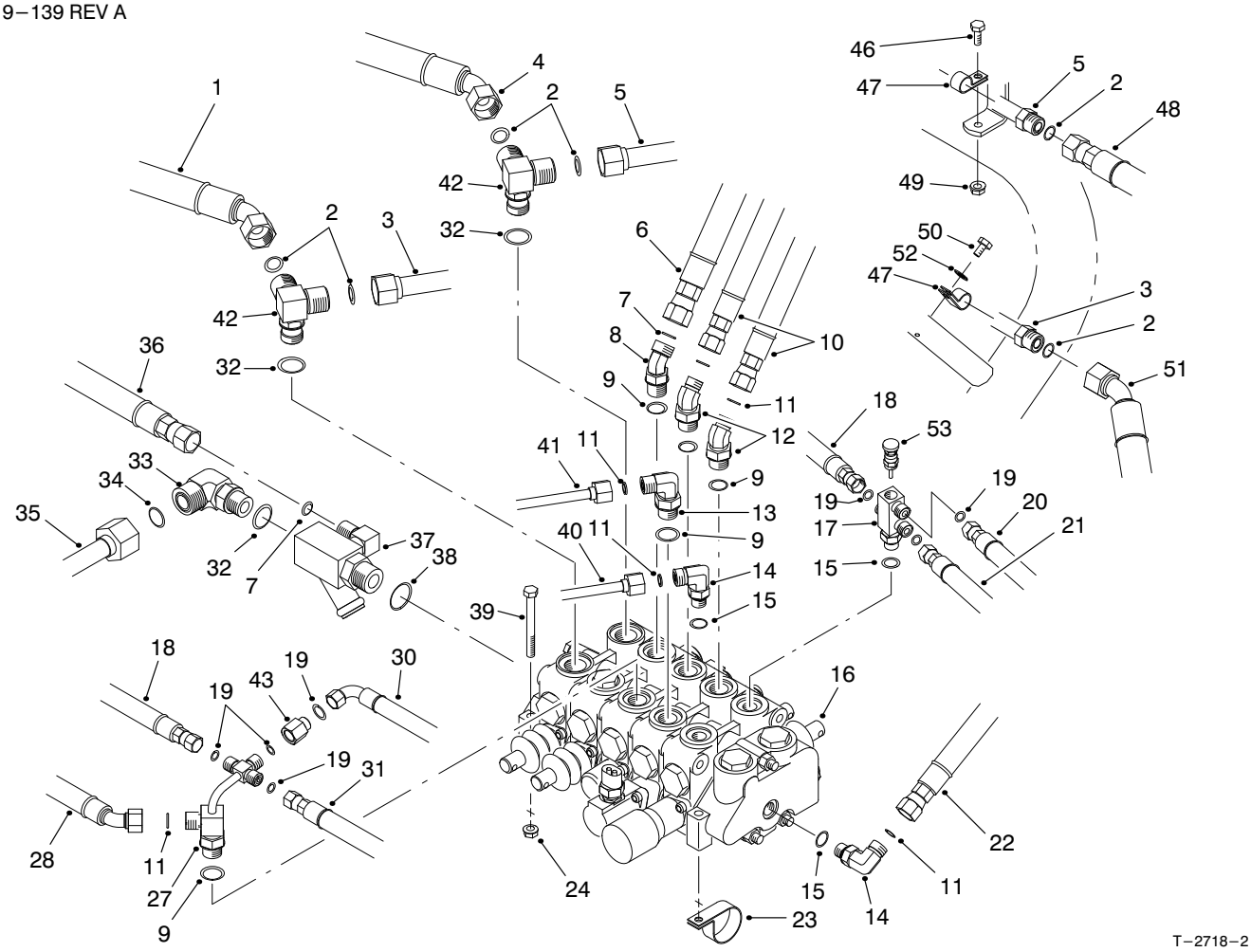
Ref. No.	Part No.	Description	No. Used
24	83−0540	Pedal − Traction	1
25	74−9100	Pad − Forward Pedal	1
26	256−155	Bushing − Flange	2
27	32128−20	Nut − Flange Lock	1
28	32121−45	Pin − Roll	1
29	83−0630	Arm − Traction Pivot	1
30	2411−42	Joint − Ball L.H. Thread	1
31	3220−20	Nut − Jam L.H. Thread	1
32	83−0580	Rod − Traction Control	1
33	2411−43	Joint − Ball R.H. Thread	1
34	17−9420	Screw − Traction Stop	1
35	49−6250	Bracket − Traction Pivot	1
36	322−5	Screw − Cap Hex. Hd.	2
37	49−6290	Shaft − Traction Pivot	1
38	12−3270	Screw − Hex. Washer Hd.	1
39	32121−6	Pin − Roll	1
40	47−5320	Lever − Control	1
41	3272−6	Pin − Cotter	1
42	49−6440	Pedal − Forward	1
43	32121−51	Pin − Roll	1
44	93−9936	Bracket − 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



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	83−1180	Hose − Hydraulic	1
7	237−30	Seal − O−Ring	2
8	340−101	Fitting − Hydraulic 45˚ (Incl. Ref. #7 & 9)	1
9	237−79	Seal − O−Ring	4
10	83−1190	Hose − Hydraulic	2
11	237−21	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	3
16	84−2203	Control Valve Assembly	1
17	93−2555	Fitting − Valve Body (Incl. Ref. #15 & 19)	1
18	92−9767	Hose − Hydraulic	2
19	237−21	Seal − O−Ring	5
20	88−9700	Hose − Hydraulic	1
21	83−1690	Hose − Hydraulic	1

Ref. No.	Part No.	Description	No. Used
22	83−1170	Hose − Hydraulic	1
23	304−61	Clamp − R	1
24	32128−20	Nut − Flange Lock	3
27	83−1670	Fitting − Special (Incl. Ref. #9, 11 & 19)	1
28	95−5986	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	95−5987	Hose − Hydraulic	1
37	63−4080	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
46	3234−4	Screw − Cap Hex. Hd.	1
47	2412−41	Clamp−R	2
48	70−7150	Hose − Hydraulic	1

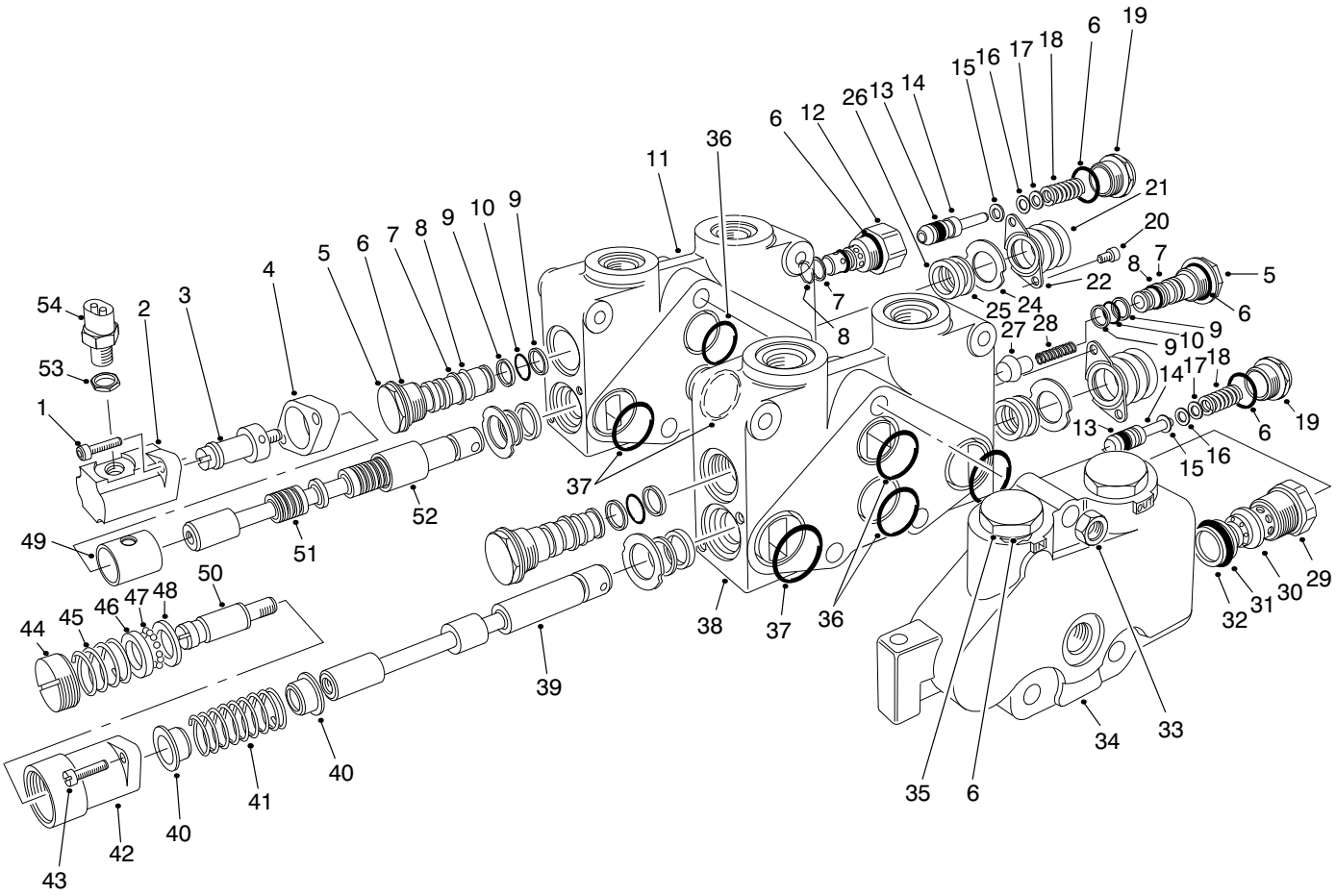


CONTROL VALVE INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	3296−16	Nut − Lock	1
50	12−3270	Screw − Thread Forming	1
51	70−8610	Hose − Hydraulic	1
52	3256−22	Washer − Flat	1

Ref. No.	Part No.	Description	No. Used
53	93−2554	Valve − Needle	1
*	93−2556	Needle Valve Assembly (Incl. Ref. #15, 17, 19 & 53)	1

*Not Illustrated



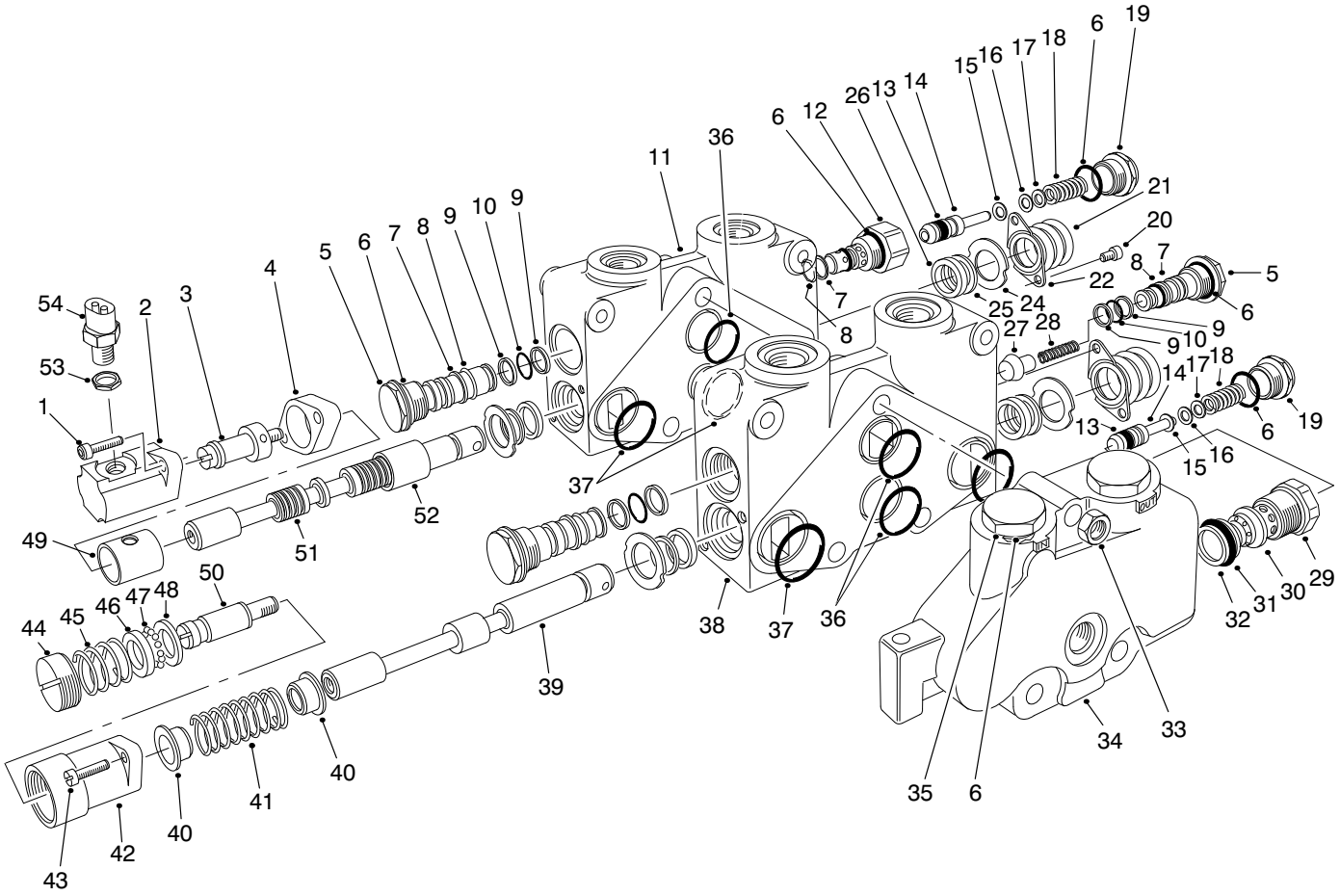
T−1318−4

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

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

Ref. No.	Part No.	Description	No. Used
25	92−2546	Wiper − Seal	4
26	353−957	Seal − Lip	4
27	353−301	Poppet	1
28	353−304	Spring	1
29	353−331	O−Ring	1
30	353−760	Body Relief	1
31	353−758	Seal − O−Ring	1
32	353−952	Ring − Backup	1
33	3217−7	Nut − Hex	3
34	353−772	Left End Cover	1
35	353−721	Plug (Incl. Ref. #6)	2
†36		O−Ring	3
†37		O−Ring	4
†38		Housing Section #1	1
†39		Spool V20 SPL	1
40	353−417	Collar Spring	2
41	92−3058	Spring − Centering	1
42	353−780	Bonnet − R. Detent	1
43	3274−15	Screw − Fillister Hd.	2
44	353−780	Cap − Adjustment (Incl. Ref. #42)	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



T−1318−4

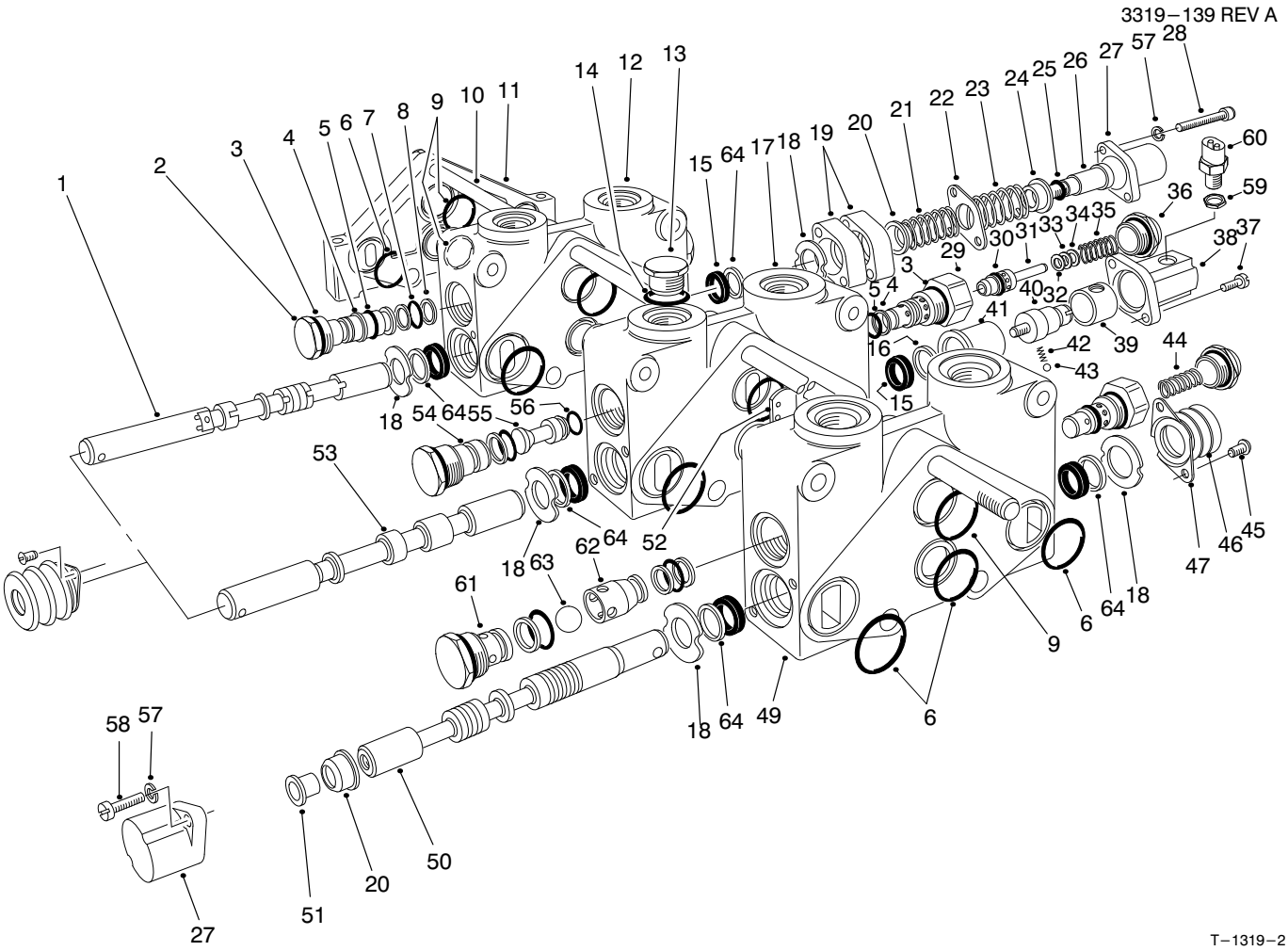
CONTROL VALVE ASSEMBLY NO. 84−2203 (Sections 1 And 2) (Continued)

Ref. No.	Part No.	Description	No. Used
48	354−29	Plate − Thrust	1
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	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. #40−49)	1

Ref. No.	Part No.	Description	No. Used
*	353−839	Positioner − DI (SPL) Assy. (Incl. Ref. #1−4 & 50)	1
*	353−642	Relief − RC Mod. (Incl. Ref. #6−8 & 12−19)	2
*	93−3652	Boot − Spool Assembly (Incl. Ref. #20−22)	2
*	84−2190	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

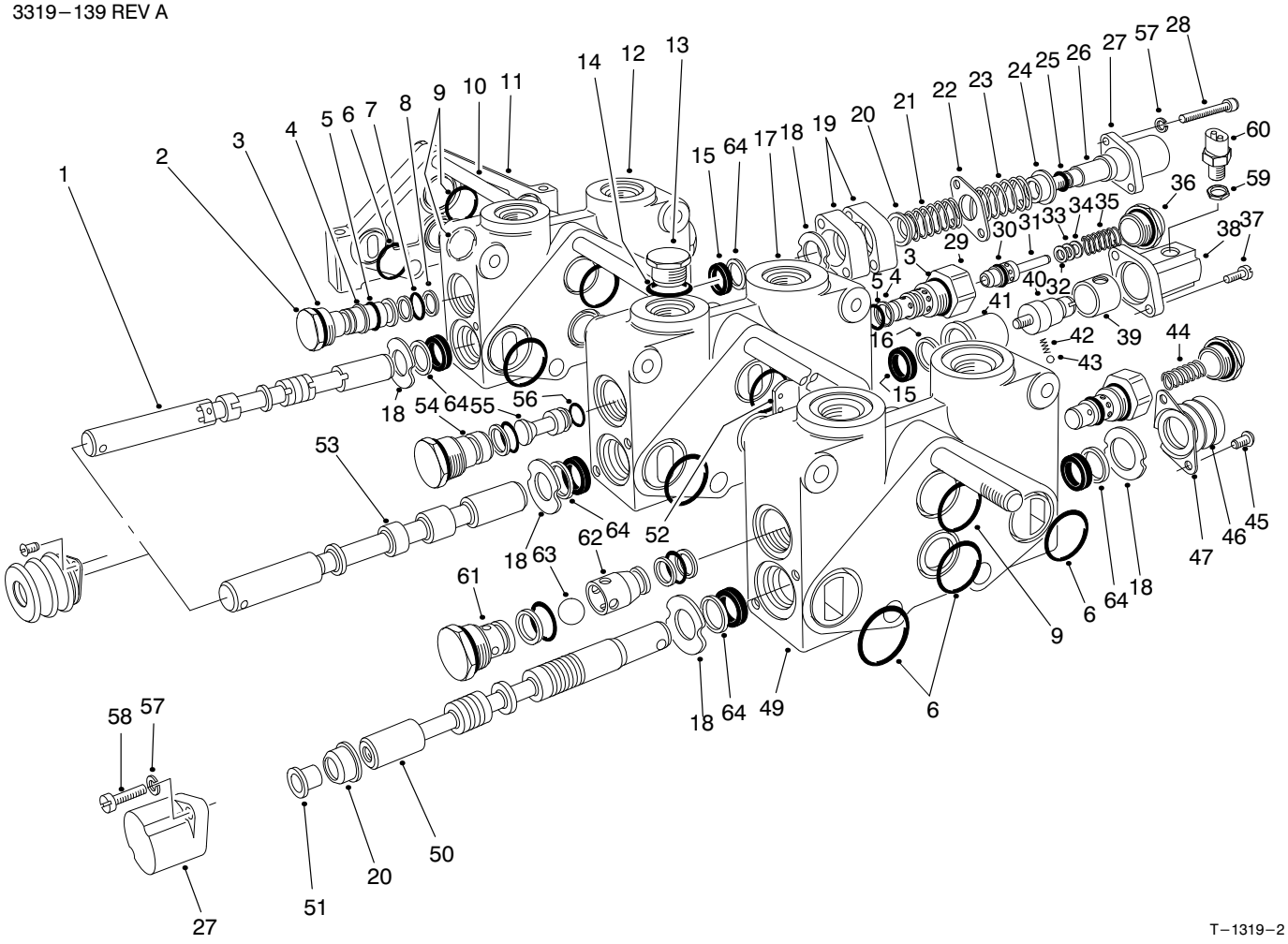


CONTROL VALVE ASSY. NO. 84−2203 (Sections 3 Thru 5)

Ref. No.	Part No.	Description	No. Used
1	94−5434	Spool #5	1
2	353−481	Plug − Load Check (Incl. Ref. #3−5 & 7−8)	3
3	237−54	O−Ring	6
4	353−306	Ring − Backup	5
5	353−305	O−Ring	5
†6		O−Ring	11
7	353−302	O−Ring	3
8	353−303	Ring − Backup	6
†9		O−Ring	5
10	353−853	Bolt − Hex Hd.	3
11	353−668	Plate − Cap, Cover RH	1
12		Housing V20 #5	1
13	353−550	Plug Assembly (Incl. Ref. #14)	1
14	353−848	O−Ring	1
15	353−957	Seal − Lip	6
16	353−958	Ring − Backup	1
†17		Housing V20 #4	1
18	92−2547	Plate − Seal Retainer	5
19	353−733	Spacer − Bonnet	2
20	353−417	Collar Spring	2
21	353−831	Spring	1
22	353−529	Plate Seal	1
23	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 − Hex, Socket Hd.	2
29	353−851	Body − Relief CP−RC Mod.	2
30	353−392	Seal − Relief Poppet PTFE	2
31	353−531	Poppet Assembly (Incl. Ref. #30)	2
32	353−328	Washer − Shim	A/R
33	353−329	Washer − Shim	A/R
34	353−330	Washer − Shim	A/R
35	353−398	Spring	1
36	353−334	Cap − Relief	2
37	52−5900	Screw − Fillister Hd.	4
38	353−847	Bonnet (SPL)	1
39	353−849	Sleeve	1
40	353−846	Spud − DI (SPL)	1
41	353−845	Sleeve − Detent	1
42	353−730	Spring	1
43	353−731	Ball	1
44	353−855	Spring	1
45	3274−52	Screw − Hex. Socket Hd.	6
46	353−575	Boot − Dust Cap	3
47	93−3651	Retainer − Boot	3

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



T−1319−2

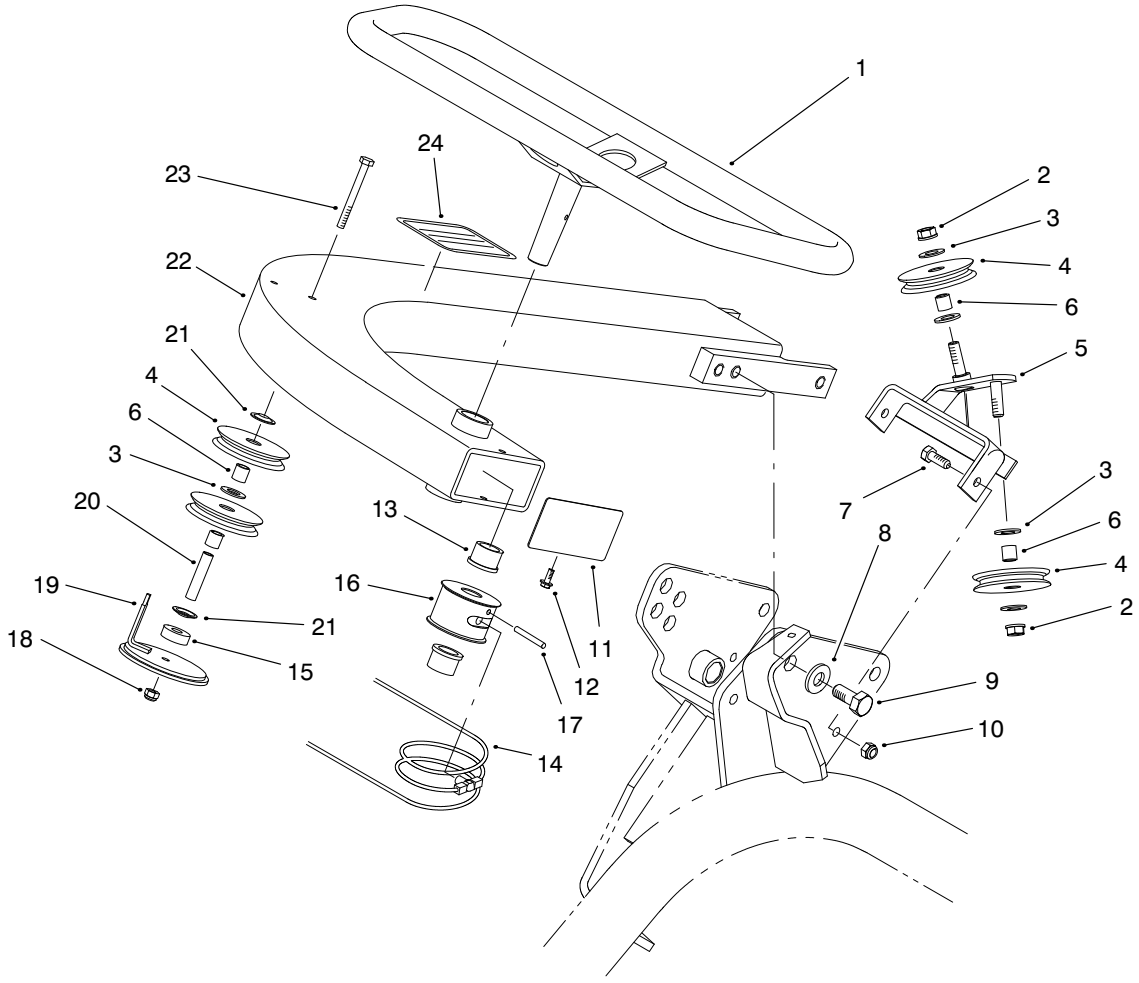
CONTROL VALVE ASSEMBLY NO. 84−2203 (Sections 3 Thru 5) (Continued)

Ref. No.	Part No.	Description	No. Used
49		Housing V20 #2	1
†50		Spool V20 3 Way F.F.	1
51	52−5860	Collar − Spool	1
52	354−122	Disc − Seal	1
†53		Spool #4	1
54	353−953	Plug Assembly	1
55	353−844	Plus Series (Incl. Ref. #56)	1
56	353−850	O−Ring	1
57	3253−3	Washer − Lock	4
58	3274−84	Screw − Cap, Hex. Hd.	4
59	38−0410	Nut − Hex.	1
60	83−1890	Switch − Ball	1
61	353−483	Body − Anticavitation	1
62	353−484	Retainer − Ball	1
63	353−737	Ball	1
64	92−2546	Wiper − Seal	5
*	354−129	Anticavitation Check Assy. (Incl. Ref. #3, 4, 5, 7, 8 & 61−63)	1
*	353−835	Seals − Section Set (Incl. Ref. #6 & 9)	1
*	93−3652	Boot − Spool Assembly (Incl. Ref. #45−47)	3
*	354−131	Section #3 Assembly (Complete)	1

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

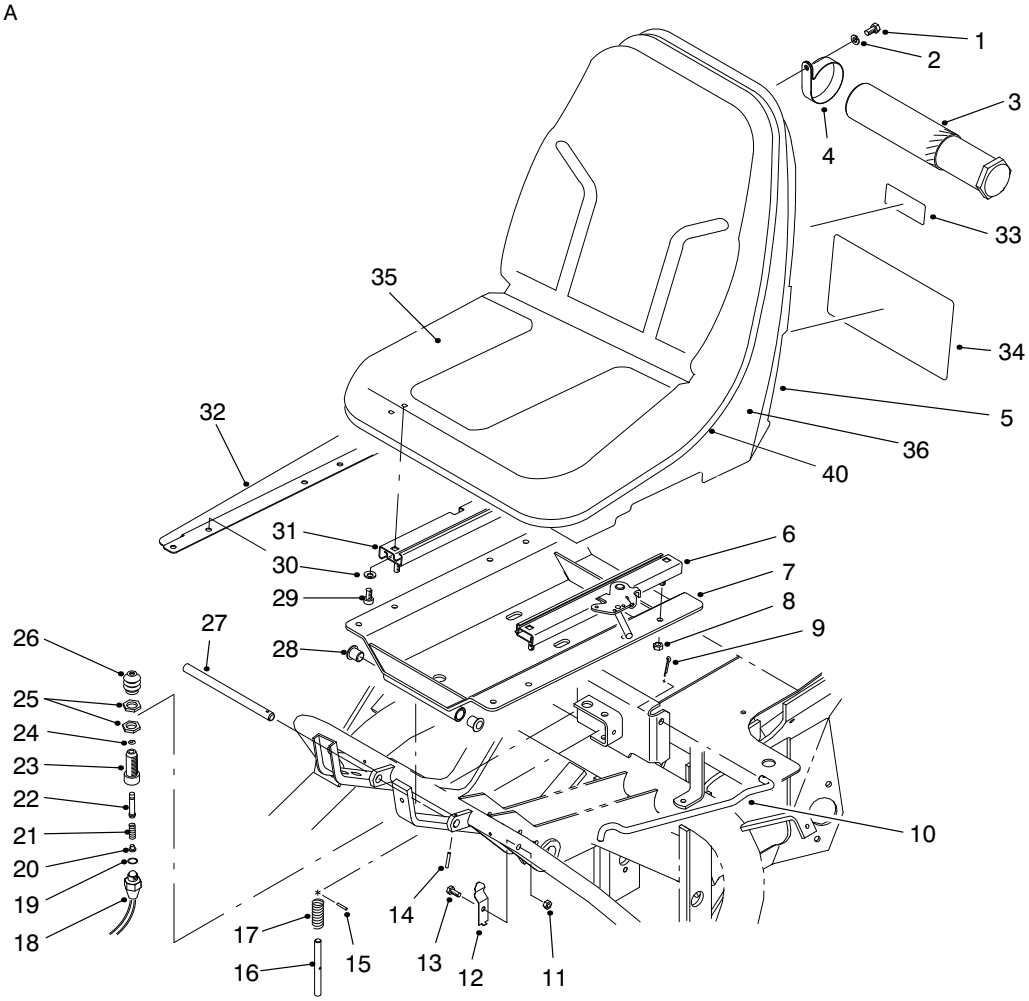


T−2701−3

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	49−5900	Wheel − Steering	1
2	3296−59	Nut − Lock	2
3	3256−4	Washer − Flat	5
4	5−2653	Pulley Assembly (Incl. Ref. #6)	4
5	95−2932	Bracket − Pulley	1
6	256−2	Bushing	4
7	322−4	Screw − HH	2
8	3256−26	Washer − Flat	4
9	325−2	Screw − HH	4
10	3296−29	Nut − Lock	2
11	95−7140	Tube − Cap	1
12	32104−76	Screw − Acorn	2

Ref. No.	Part No.	Description	No. Used
13	256−113	Bushing	2
14	95−5965	Cable − Steering	1
15	95−5963	Spacer − Pulley	1
16	95−7149	Pulley − Front Steering	1
17	32121−44	Pin − Roll	1
18	3296−16	Nut − Lock	1
19	95−5959	Pulley − Support	1
20	10−7240	Sleeve	1
21	3290−314	Nut − Push	2
22	95−2941	Steering Arm Assembly	1
23	321−15	Screw − HH	1
24	93−8063	Decal − Danger	1



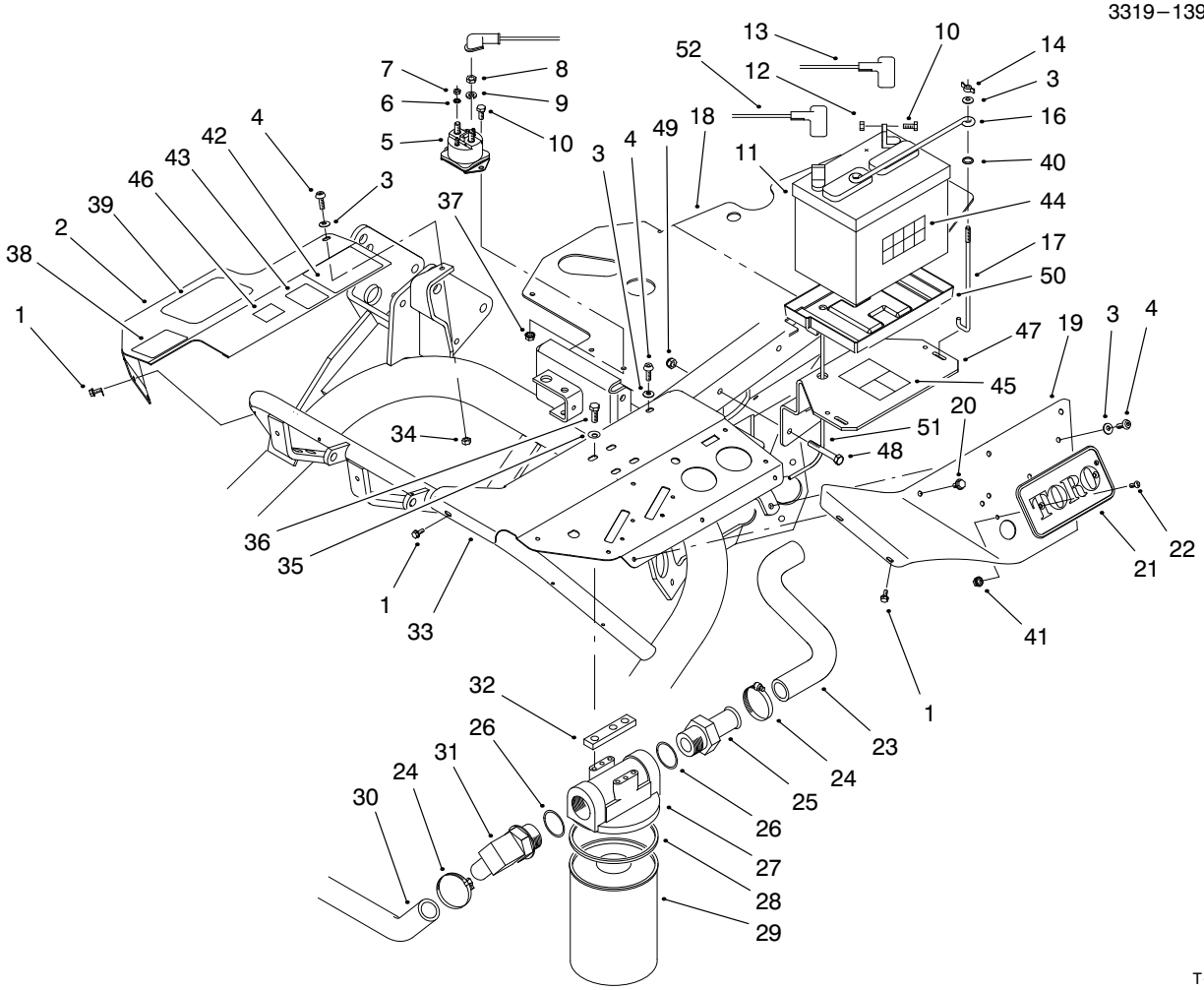
T−1290−2

SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322−2	Screw − Cap Hex. Hd.	2
2	3253−4	Washer − Lock	2
3	74−0720	Tube − Manual	1
4	2412−133	Clamp − R	2
5	92−1180	Seat Assembly (Incl. Ref. #35, 36 & 40)	1
6	51−0790	Adjuster − Seat	1
7	83−1270	Seat Support Assembly (Incl. Ref. #28)	1
8	3296−29	Nut − Lock	4
9	3272−11	Pin − Cotter	1
10	68−5100	Rod − Seat Prop	1
11	3296−16	Nut − Lock	1
12	68−5310	Clip − Seat Rod	1
13	321−3	Screw − Cap Hex. Hd.	1
14	32121−45	Pin − Roll	1
15	3284−3	Pin − Groove	1
16	51−0350	Pin − Seat Spring	1
17	3−6685	Spring − Compression	1
18	72−4320	Switch − Ball	1
19	237−30	Seal − O−Ring	1
20	43−8610	Seat − Ball	1
21	43−8600	Spring − Compression	1
22	43−8860	Plunger − Switch	1
23	43−8620	Guide − Switch	1
24	237−7	Seal − O−Ring	1
25	218−461	Nut − Hex.	2

Ref. No.	Part No.	Description	No. Used
26	43−8870	Boot − Switch	1
27	49−5880	Shaft − Seat Support	1
28	256−155	Bushing −Flange	2
29	3274−12	Screw − Hex. Socket Hd.	4
30	3256−23	Washer − Flat	4
31	51−0780	Slider − Seat	1
32	83−1840	Cover − R.H.	1
33	93−8067	Decal − Oil	1
34	95−7113	Decal − Service	1
34	95−7124	Decal − Service (Spanish)	1
34	95−7125	Decal − Service (French)	1
34	95−7126	Decal − Service (German)	1
34	95−7127	Decal − Service (Swedish)	1
34	95−7128	Decal − Service (Italian)	1
34	95−7129	Decal − Service (Portuguese)	1
34	95−7130	Decal − Service (Norwegian)	1
34	95−7131	Decal − Service (Finnish)	1
34	95−7132	Decal − Service (Danish)	1
34	95−7133	Decal − Service (Dutch)	1
34	95−7143	Decal − Service (Japanese)	1
35	92−6533	Kit − Cushion	1
36	92−6534	Shell	1
40	351−78	Edging	1
*	43−9071	Seat Switch Assembly (Incl. Ref. #18−26)	1

*Not Illustrated

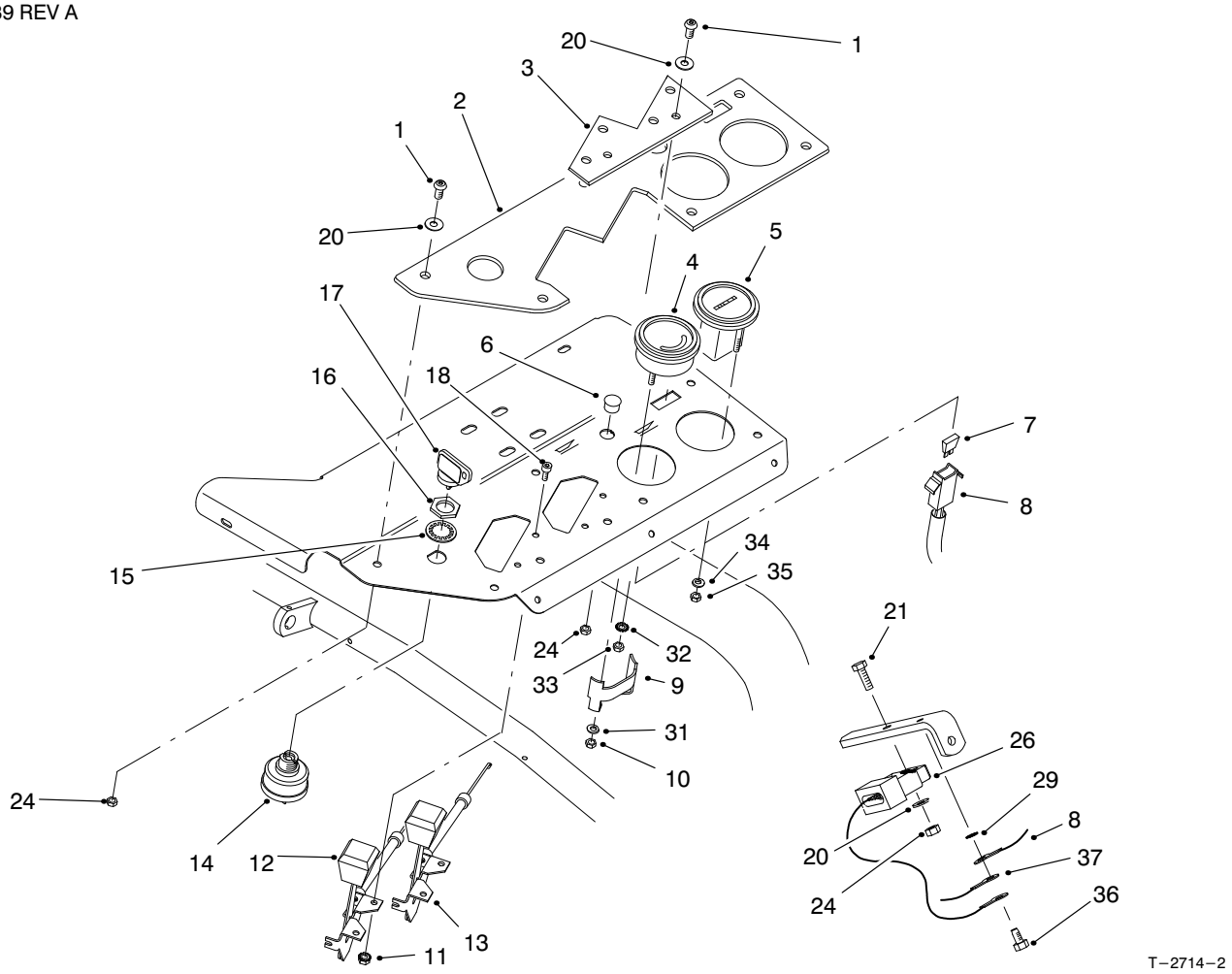


T−2702−2

FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104−76	Screw − Self Tapping	5
2	94−2694	Cover − R.H.	1
3	3256−22	Washer − Flat	5
4	3274−69	Screw − Hex. Socket Hd.	3
5	28−4210	Solenoid − Starter	1
6	3254−1	Washer − Lock	2
7	3219−14	Nut − Hex.	2
8	3218−13	Nut − Jam	2
9	3253−4	Washer − Lock	2
10	321−3	Screw − Cap Hex. Hd.	4
11	28−1400	Battery	1
12	3217−5	Nut − Hex.	2
13	28−8080	Boot Terminal	1
14	32103−12	Nut − Wing	2
16	72−4790	Hold−Down − Battery	1
17	56−7720	Bolt − Battery	2
18	95−5981	Frame Assembly	1
19	83−0840	Fender − L.H.	1
20	46−8560	Screw − Self Taping	3
21	61−3310	Plate − Logo	1
22	3290−470	Screw − Flat Hd.	2
23	95−7119	Hose − Hydraulic	1
24	2412−34	Clamp − Hose	3
25	353−563	Fitting − Hydraulic Straight (Incl. Ref. #26)	1
26	237−101	Seal − O−Ring	2
27	44−5560	Head − Oil Filter	1

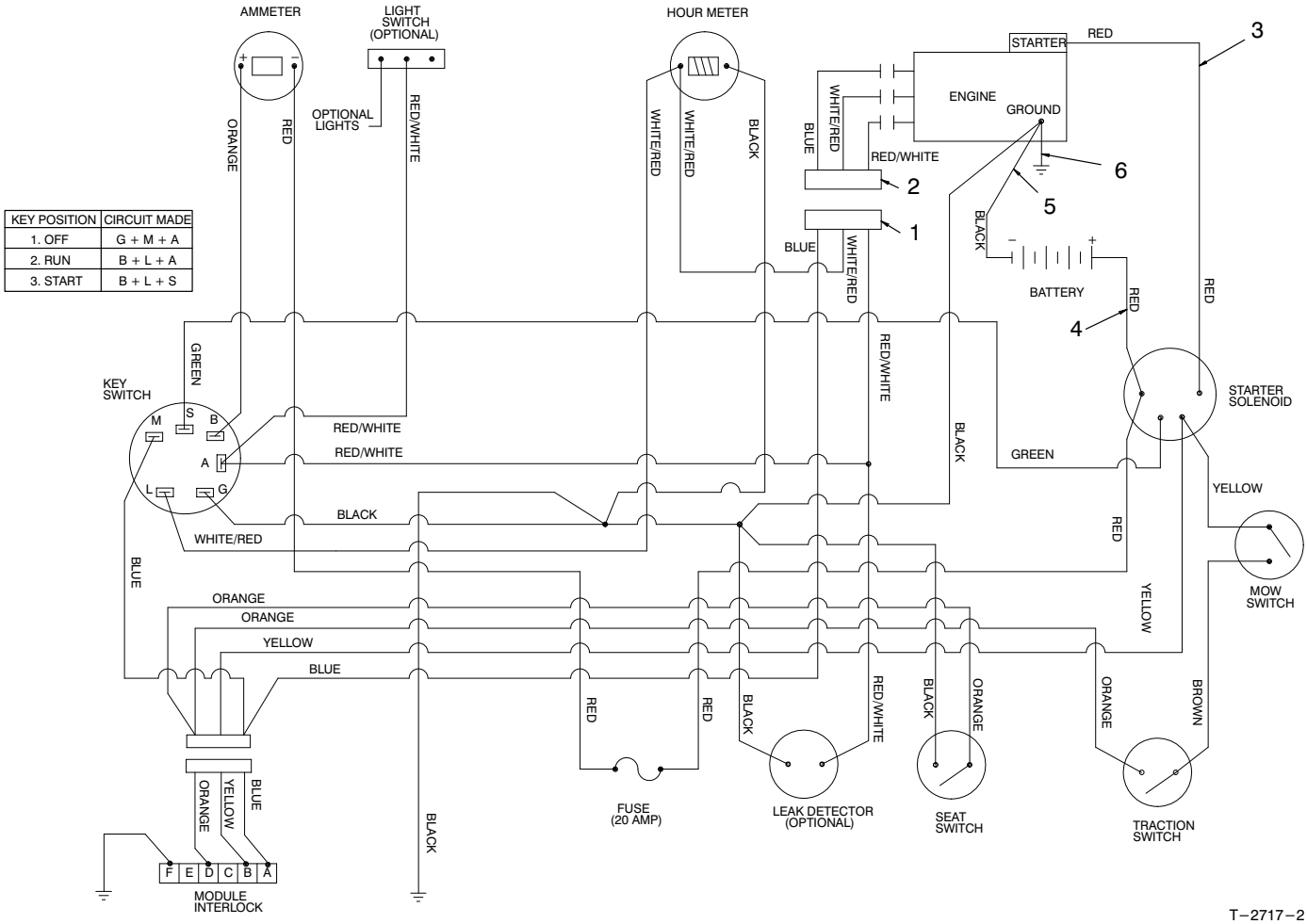
Ref. No.	Part No.	Description	No. Used
28	72−3850	Seal − Filter	1
29	74−3570	Filter − Hydraulic Oil (Incl. Ref. #28)	1
30	68−5880	Hose − Hydraulic	1
31	353−564	Fitting − Hydraulic 90° (Incl. Ref. #26)	1
32	27−2380	Spacer	2
33	83−0830	Panel − Control Upper	1
34	3296−16	Nut − Lock	3
35	3256−23	Washer − Flat	4
36	322−4	Screw − Cap Hex. Hd.	4
37	32149−2	Nut − Keps	2
38	93−8065	Decal − Traction	1
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	95−7122	Battery Base Assembly	1
48	322−11	Screw − HH	2
49	3296−29	Nut − Hex. Lock	2
50	106948	Tray − Battery	1
51	98−0601	Tube − Battery Drain	1
52	98−0603	Boot − Terminal	1



CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274−69	Screw − Hex. Socket Hd.	8
2	93−8061	Plate − Control	1
3	83−2030	Plate − Filler	1
4	83−0820	Gauge − Ammeter (Incl. Ref. #9−10 & 31−33)	1
5	66−2950	Gauge − Hourmeter (Incl. Ref. #34 & 35)	1
6	2410−64	Plug − Hole	1
7	218−594	Fuse − 20 Amp	1
8	95−7142	Harness − Wire (Main)	1
9	94−6960	Clamp − Mounting	1
10	3217−27	Nut − Hex.	2
11	3296−27	Nut − Lock	4
12	83−0030	Control − Throttle	1
13	83−0040	Control − Choke	1
14	83−0020	Ignition Switch Assembly (Incl. Ref. #15−16)	1

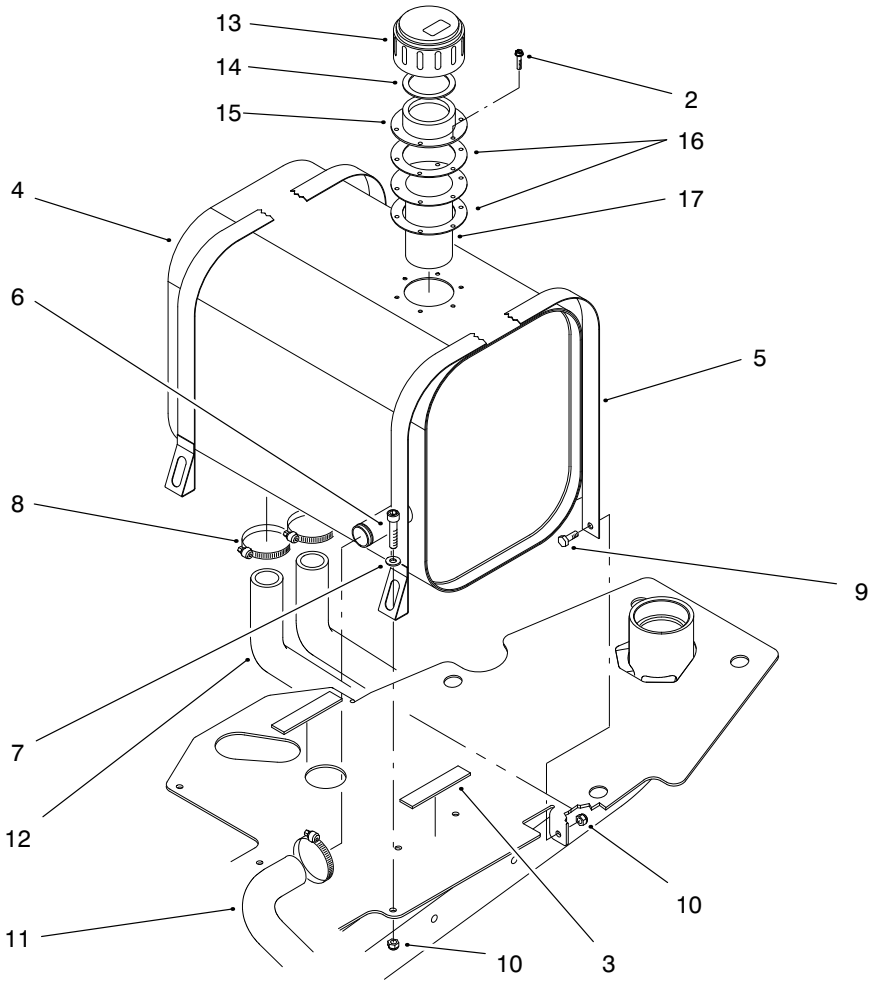
Ref. No.	Part No.	Description	No. Used
15	3254−5	Washer − Lock	2
16	218−461	Nut − Hex.	2
17	63−8360	Key − Ignition	1
18	3273−26	Screw − Hex. Socket Hd.	4
20	3256−1	Washer − Flat	9
21	321−5	Screw − Cap Hex. Hd.	1
24	3296−16	Nut − Lock	9
26	95−0659	Module − Interlock	1
29	3255−7	Washer − Lock, Int. Tooth	1
31	3254−10	Washer − Lock, Int. Tooth	2
32	3255−24	Washer − Lock, Ext. Tooth	3
33	3217−16	Nut − Hex	3
34	3255−20	Washer − Lock, Ext. Tooth	2
35	3217−25	Nut − Hex.	2
36	32104−95	Screw − Hex. Hd.	1
37	95−7145	Wire Asm − Engine Ground	1



T−2717−2

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	95−7142	Harness − Wire (Main)	1
2	83−1110	Harness − Wire (Engine)	1
3	83−1160	Wire − Solenoid−Starter	1
4	95−7144	Cable Assembly − Positive	1
5	98−0604	Wire − Engine Ground	1
6	95−7145	Wire − Engine Ground	1



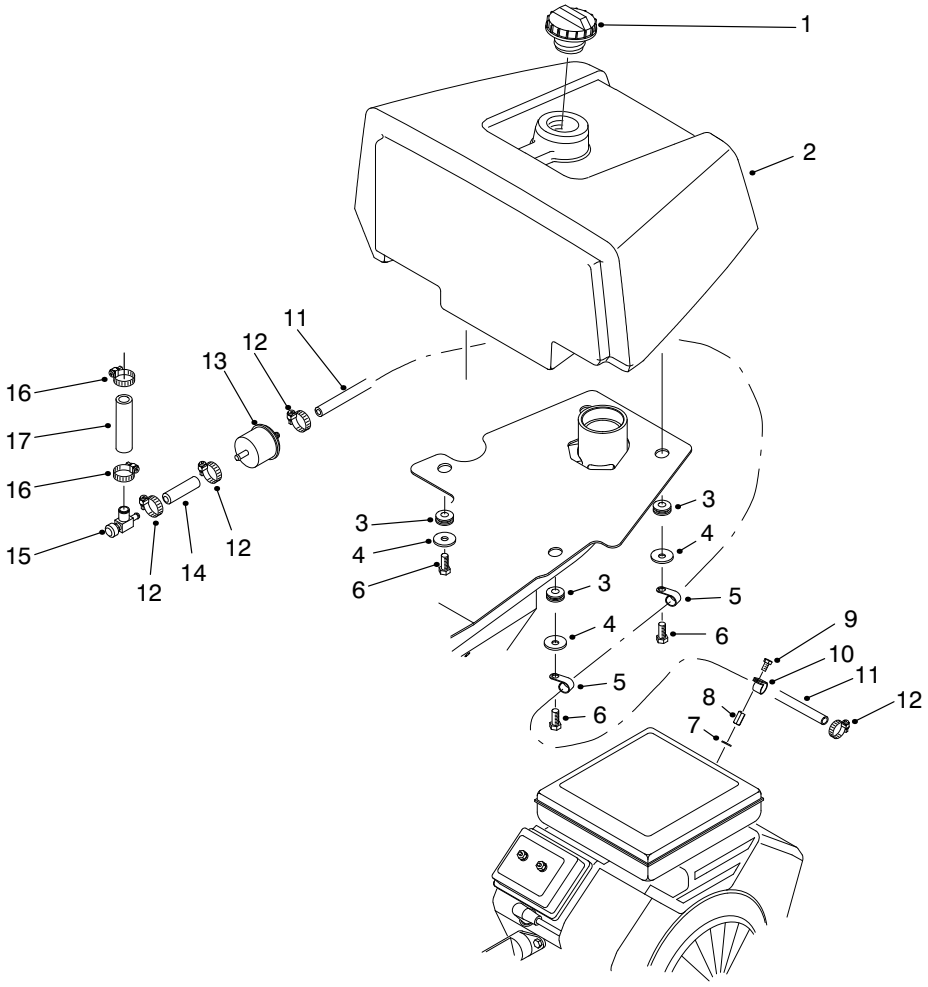
T−2703−1

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	32144−34	Screw − Hex. Slot	6
3	95−5951	Strip − Seal	2
4	95−7118	Tank − Hydraulic	1
5	27−2400	Strap − Reservoir Assembly	2
6	3274−19	Screw − Hex. Socket Hd.	2
7	3256−22	Washer − Flat	2
8	2412−34	Clamp − Hose	3
9	321−3	Screw − Hex. Hd.	2
10	3296−16	Nut − Lock	4

Ref. No.	Part No.	Description	No. Used
11	95−7119	Hose − Return Line	1
12	95−5966	Hose − Pump Inlet	2
13	353−962	Cap	1
14	76−1720	Gasket − Filler Cap	1
15	353−961	Flange	1
16	353−963	Gasket	2
17	62−2610	Strainer − Filler Cap	1
*	62−2570	Filler Cap Assembly (Incl. Ref. #13−17)	1

*Not Illustrated



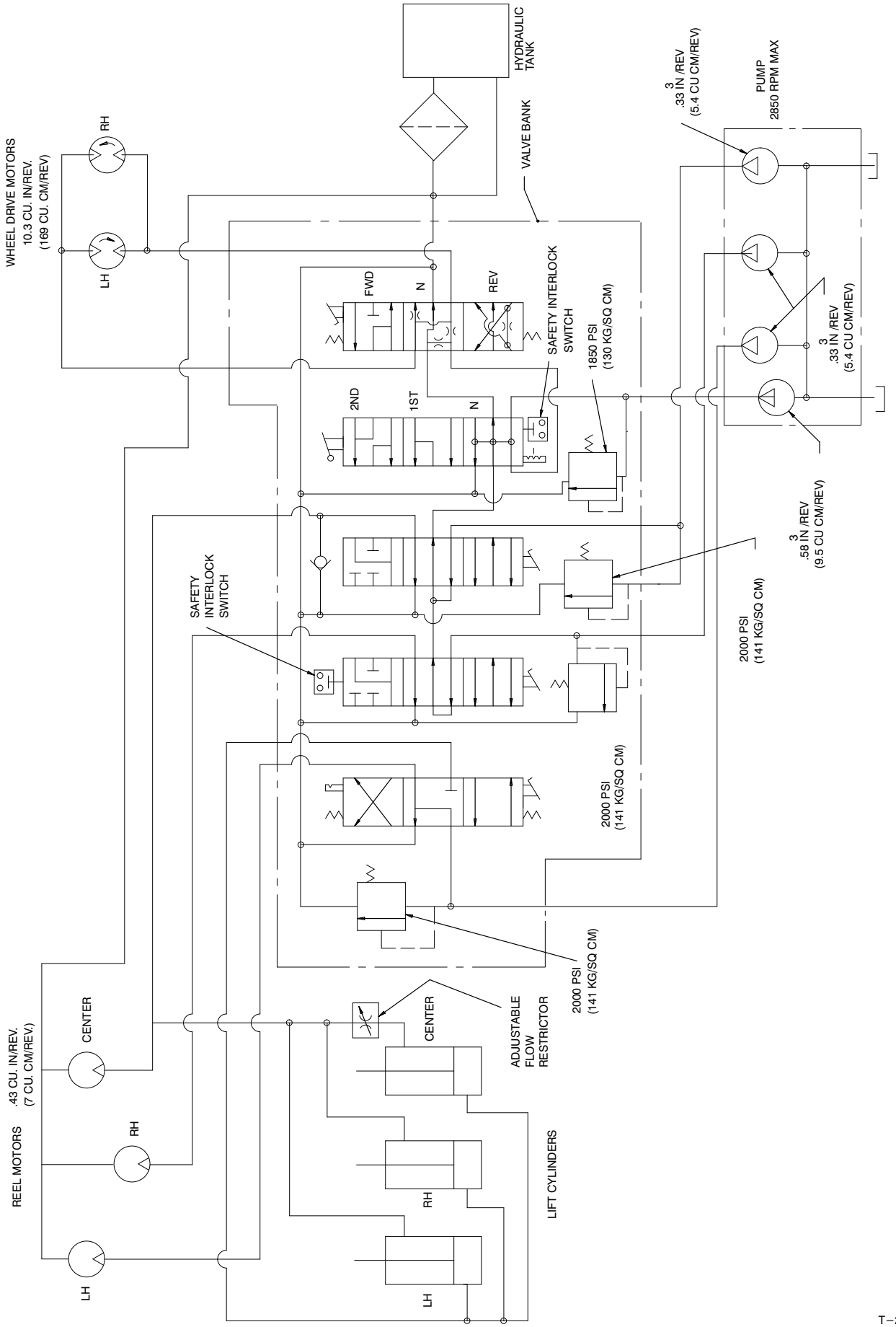
T−1317

FUEL TANK ASSEMBLY

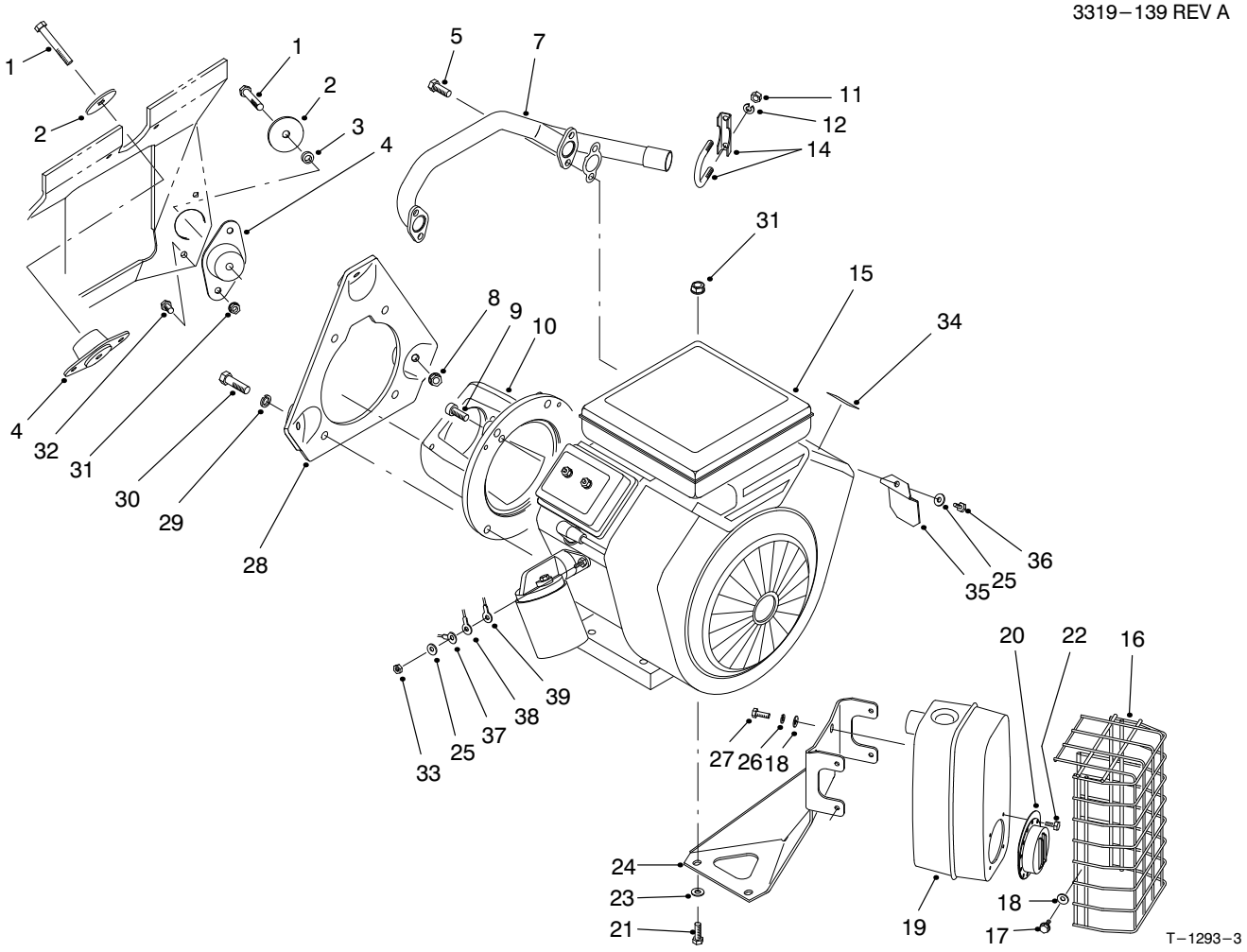
Ref. No.	Part No.	Description	No. Used
1	93−7170	Cap − Fuel	1
2	92−7189	Tank − Fuel	1
3	240−11	Grommet	4
4	63−8410	Washer − Flat	4
5	2412−41	Clamp − R	3
6	323−6	Screw − Cap Hex. Hd.	3
7	3256−63	Washer − Flat	1
8	83−2200	Nut − Special	1
9	48−7610	Screw − Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
10	2412−94	Clamp − R	1
11	83−2041	Hose − Fuel	1
12	2412−108	Clamp − Hose	4
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

HYDRAULIC SCHEMATIC



T−2715−1

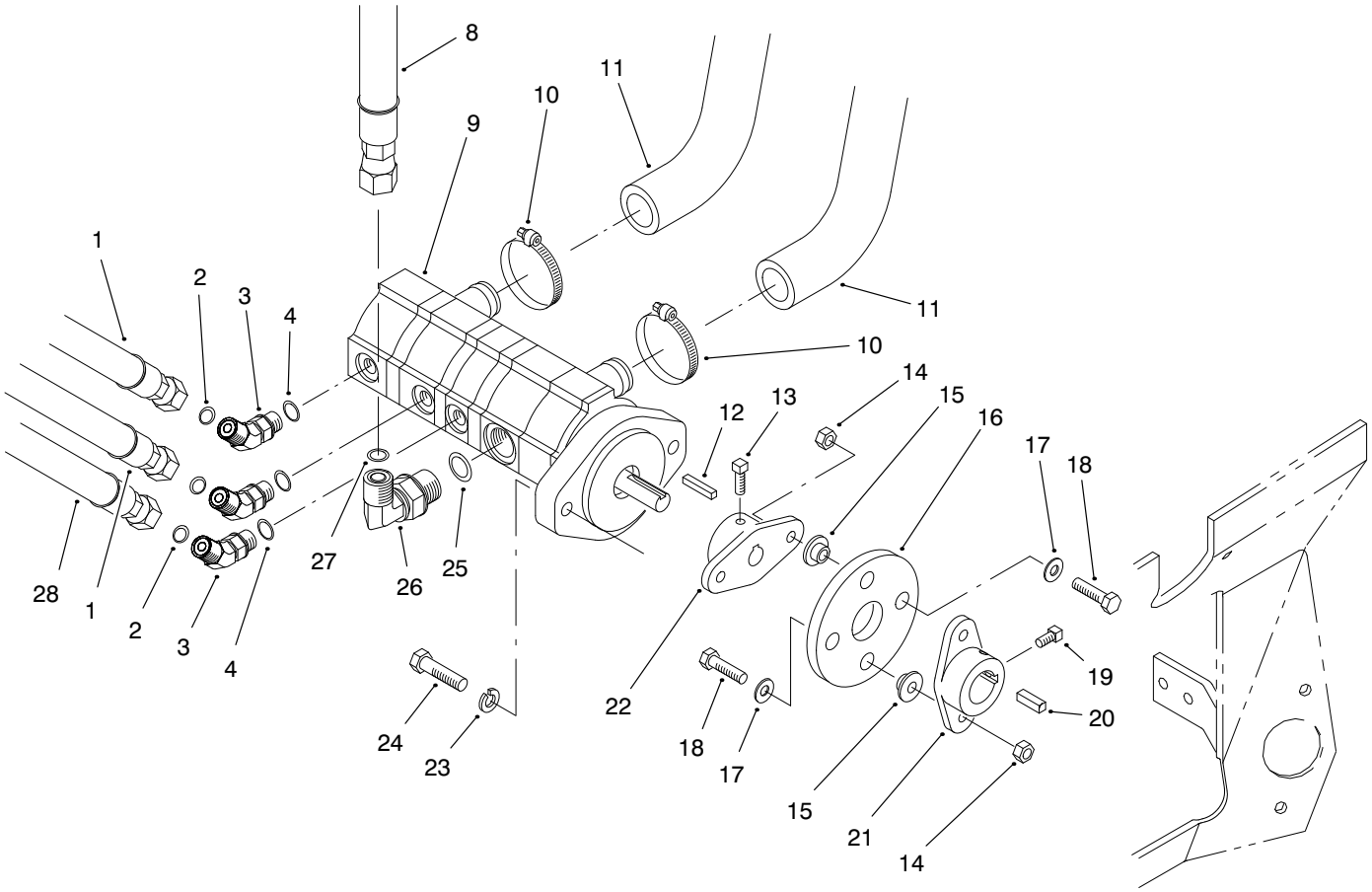


ENGINE INSTALLATION ASSEMBLY

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	83−0010	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	494664	Muffler	1
*	83−2240	Arrestor − Spark (Optional)	1
†20	222902	Deflector − Exhaust	1

Ref. No.	Part No.	Description	No. Used
21	322−8	Screw − Cap Hex. Hd.	2
†22	93705	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 − Thread Forming	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
35	83−2310	Shield	1
36	48−7620	Screw − Cap Hex. Hd.	1
37	95−7145	Wire Asm − Engine Ground	1
38	95−7142	Wire Harness − Main	1
39	98−0604	Cable Assembly − Negative	1
*	3290−378	Tie − Cable	2
*	250−6	Tie − Cable	2

*Not Illustrated
†Obtain replacement parts from your local Briggs & Stratton Dealer.

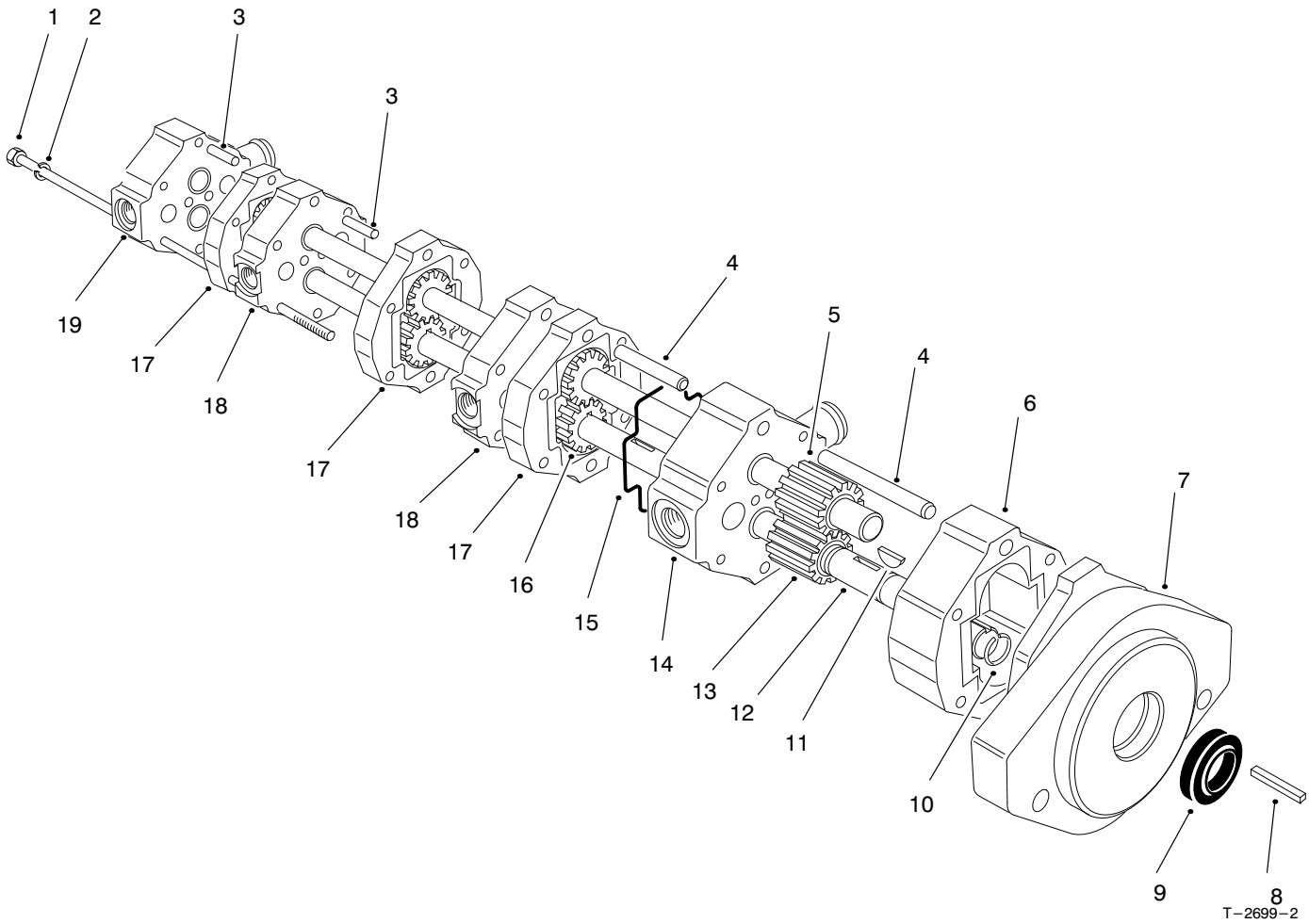


T−2698−1

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	3
8	83−1180	Hose − Hydraulic	1
9	95−5976	Hydraulic Pump Assembly (Incl. Ref. #12)	1
10	2412−34	Clamp − Hose	2
11	95−5966	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

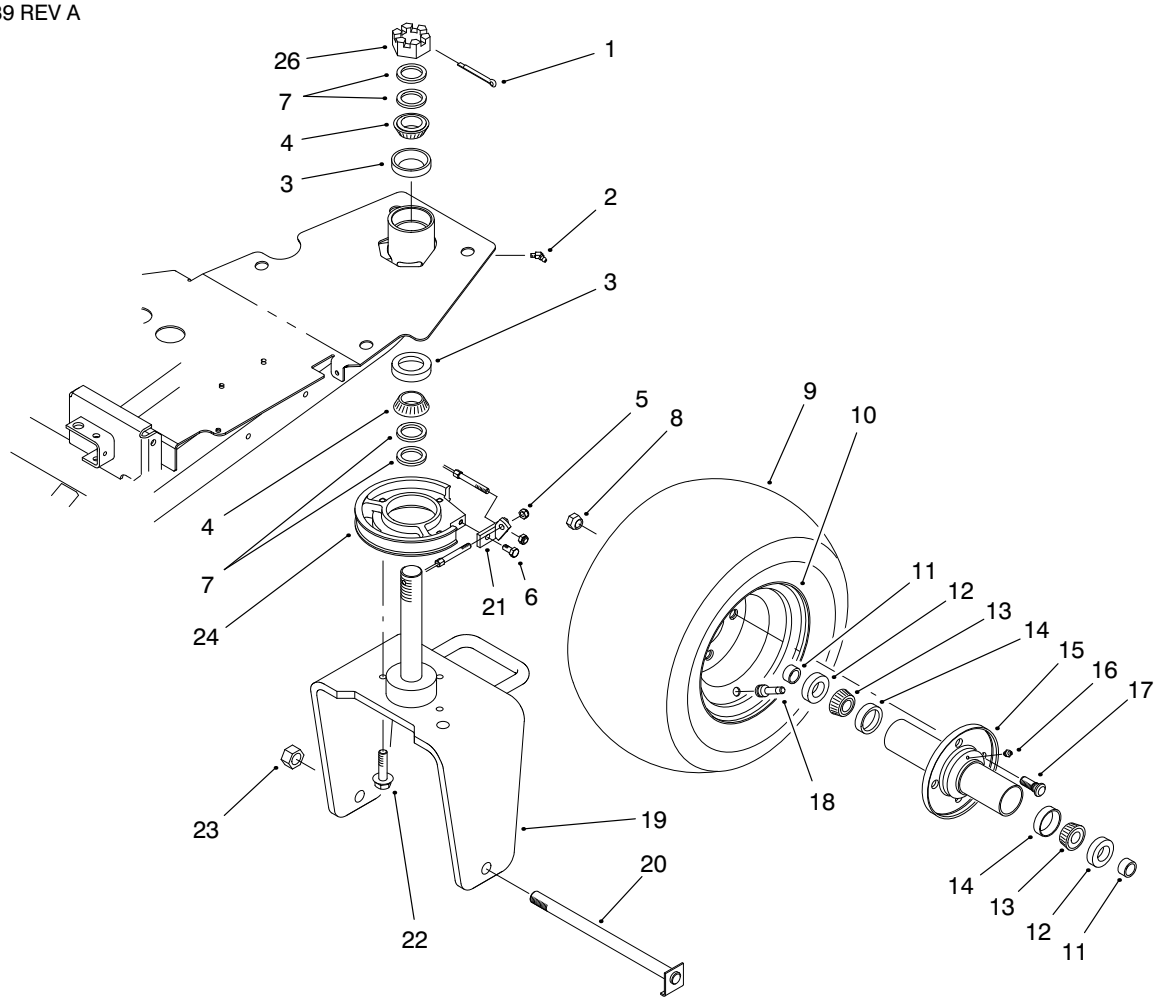
Ref. No.	Part No.	Description	No. Used
16	44−2230	Coupling − Rubber	1
17	3256−23	Washer − Flat	4
18	322−6	Screw − Cap Hex. Hd.	4
19	3241−2	Screw − Set Square Hd.	2
20	10−7070	Key − Square	1
21	27−1960	Hub − Engine	1
22	27−1970	Hub − Pump	1
23	3253−21	Washer − Lock	2
24	323−8	Screw − Cap Hex. Hd.	2
25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



HYDRAULIC PUMP NO. 95−5976

Ref. No.	Part No.	Description	No. Used
1	354−16	Washer − Lock	4
2	98−0614	Stud − Threaded	4
3	354−11	Pin − Dowel	4
4	98−0610	Pin − Dowel	4
5	98−0608	Idler Shaft	1
6	353−919	Plate − Gear Pump B	1
7	98−0611	Body Assembly	1
8	5−0946	Key − Square	1
9	354−15	Seal − Shaft	1
10	353−886	Ring − Retaining	4

Ref. No.	Part No.	Description	No. Used
11	353−884	Key − Woodruff	5
12	98−0609	Shaft − Drive	1
13	92−9773	Gear − 59B	2
14	353−3	Bearing Plate Assembly	1
15	353−922	Seal − Ring	8
16	353−967	Gear − 33B	6
17	353−969	Plate − Gear 33B	3
18	98−0612	Bearing Plate Assembly	2
19	98−0613	Cover Assembly	1

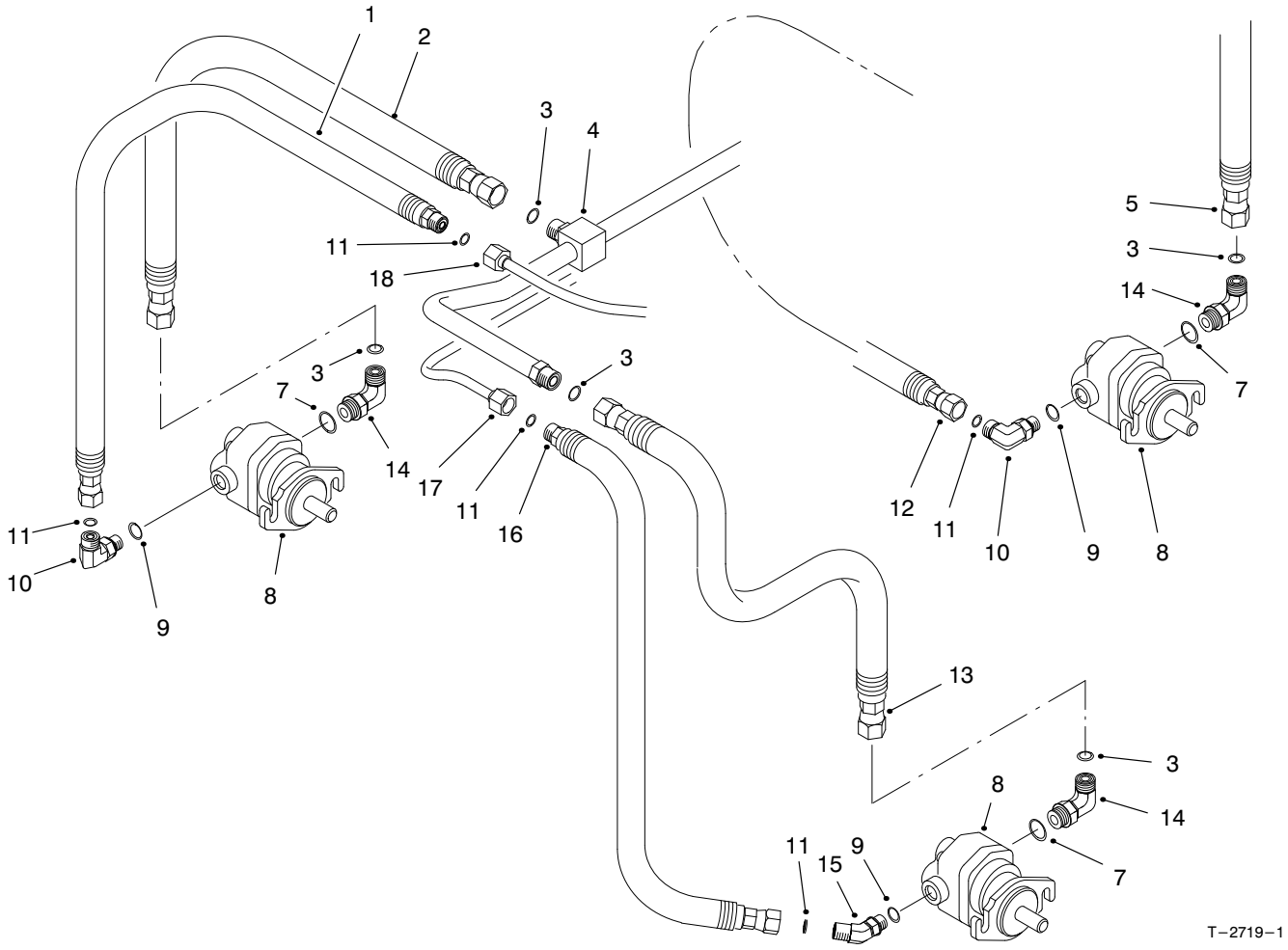


T−2700−2

REAR WHEEL ASSEMBLY

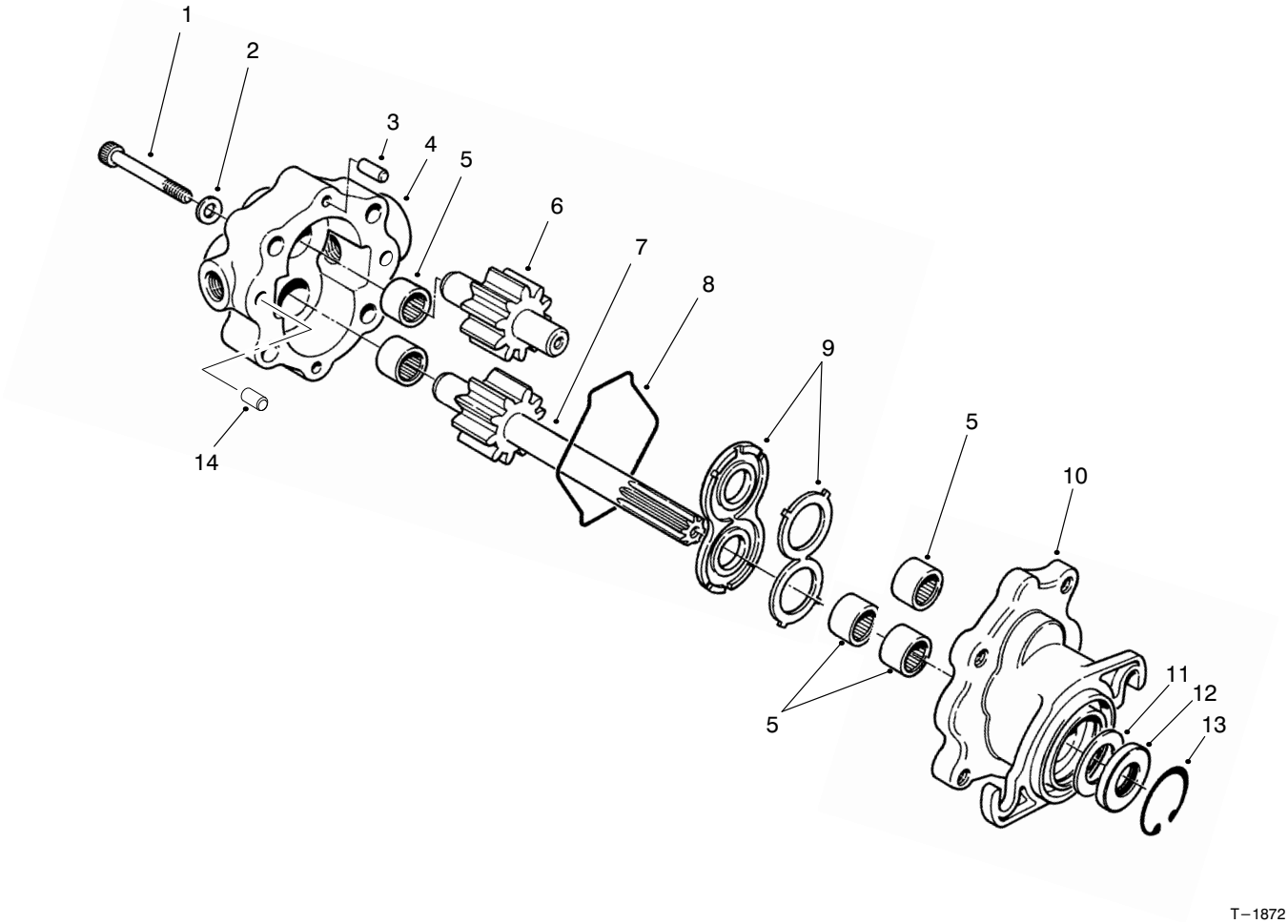
Ref. No.	Part No.	Description	No. Used
1	3272−37	Pin − Cotter	1
2	302−11	Fitting − Grease	1
3	254−61	Cup − Bearing	2
4	254−70	Cone − Bearing	2
5	3296−4	Nut − Lock NI	2
6	322−3	Screw − HH	1
7	18−6320	Washer − Steering	4
8	242−50	Nut − Lug	4
9	28−3680	Tire	1
10	217−60	Rim	1
11	74−3730	Spacer − Hub	2
12	253−111	Seal − Shaft	2
13	254−78	Cone − Bearing	2

Ref. No.	Part No.	Description	No. Used
14	254−79	Cup − Bearing	2
15	75−9440	Hub − Wheel	1
16	302−55	Fitting − Grease	1
17	10−6830	Stud − Drive	4
18	232−24	Valve Stem w/Cap	1
19	95−5952	Fork − Castor	1
20	5−3934	Bolt − Castor	1
21	95−5956	Cable Anchor Assembly	1
22	3234−24	Screw − HH	3
23	3296−67	Nut − Lock	1
24	95−5955	Drum − Steering	1
26	32136−9	Nut − Hex. Slotted	1



REEL MOTOR INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−5984	Hydraulic Hose Assembly (Incl. Ref. #21 & 23)	1
2	95−5985	Hydraulic Hose Assembly (Incl. Ref. #21 & 24)	1
3	237−30	Seal − O−Ring	5
4	63−4040	Hydraulic Tube Assembly (Incl. Ref. #3)	1
5	63−3840	Hydraulic Hose Assembly (Incl. Ref. #22 & 24)	1
7	237−79	Seal − O−Ring	3
8	94−3506	Reel Motor Assembly	3
9	237−42	Seal − O−Ring	3
10	340−77	Fitting − Hydraulic 90˚ (Incl. Ref. #9 & 11)	2
11	237−22	Seal − O−Ring	5
12	74−3830	Hydraulic Hose Assembly (Incl. Ref. #21 & 23)	1
13	95−5989	Hydraulic Hose Assembly (Incl. Ref. #20 & 24)	1
14	340−98	Fitting − Hydraulic 90˚ (Incl. Ref. #3 & 7)	3
15	340−87	Fitting − Hydraulic 45˚ (Incl. Ref. #9 & 11)	1
16	95−5988	Hydraulic Hose Assembly (Incl. Ref. #19 & 23)	1
17	63−4020	Tube − Hydraulic	1
18	63−4030	Tube − Hydraulic	1



T−1872

REEL MOTOR NO. 94−3506

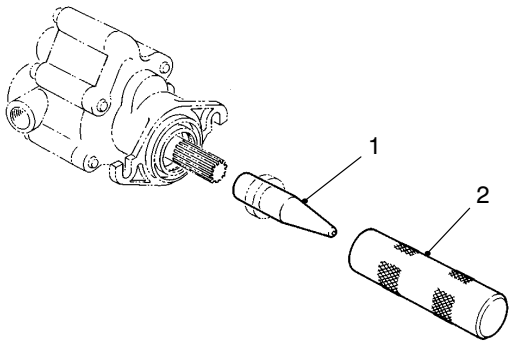
Ref. No.	Part No.	Description	No. Used
1	354−50	Screw − Hex Socket Hd.	4
2	354−51	Washer	4
3	353−599	Pin − Dowel	2
4	94−3507	Cover Assembly (Incl. Ref. #5)	1
5		Bearing − Needle	5
6	94−3509	Idler Gear Assembly	1
7	94−3508	Drive Shaft Assembly	1
8	354−46	Ring − Seal	1

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

*Not Illustrated

SPECIAL TOOLS

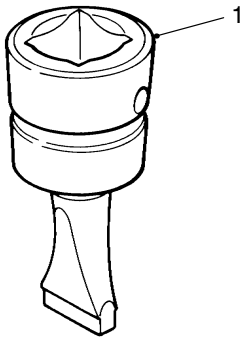
REEL MOTOR SEAL INSTALLATION TOOLS



T−0727

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

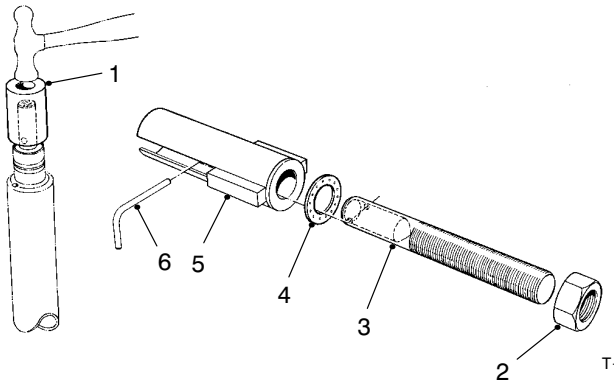
BED KNIFE SCREW TOOL NO. TOR510880



T−0729

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

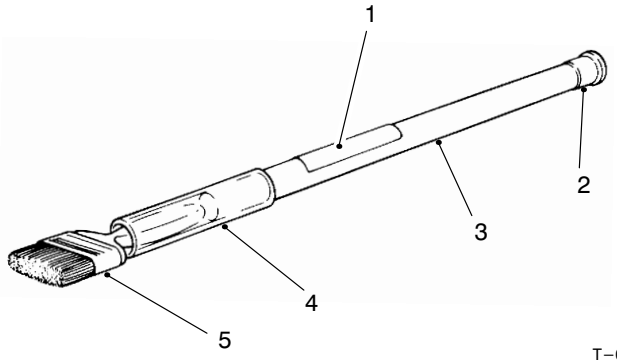
BEARING REPLACEMENT TOOL KIT NO. TOR238900



T−0730

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

BACKLAPPING BRUSH ASSEMBLY NO. 29−9100



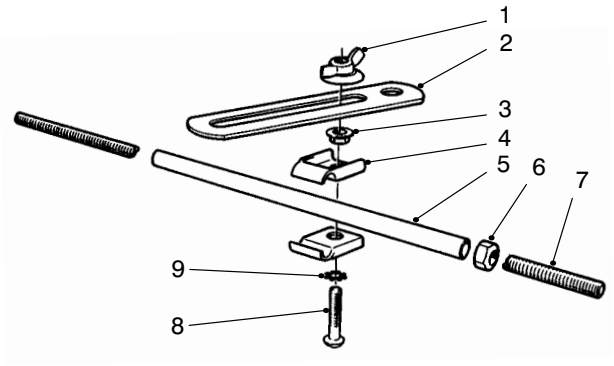
T−0731

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

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

SPECIAL TOOLS (Continued)

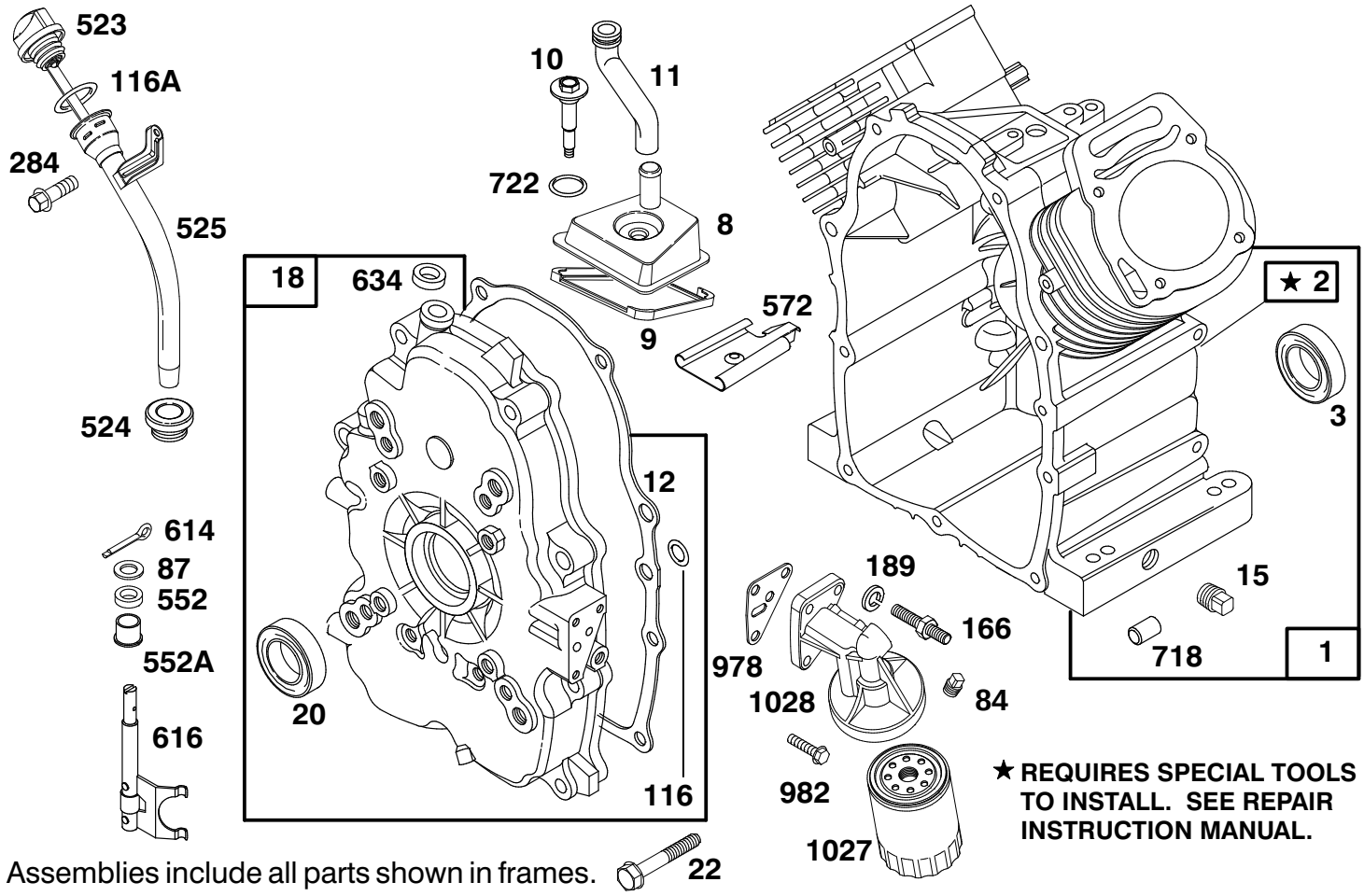
ALIGNMENT TOOL NO. TOR200120



T−0732

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

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



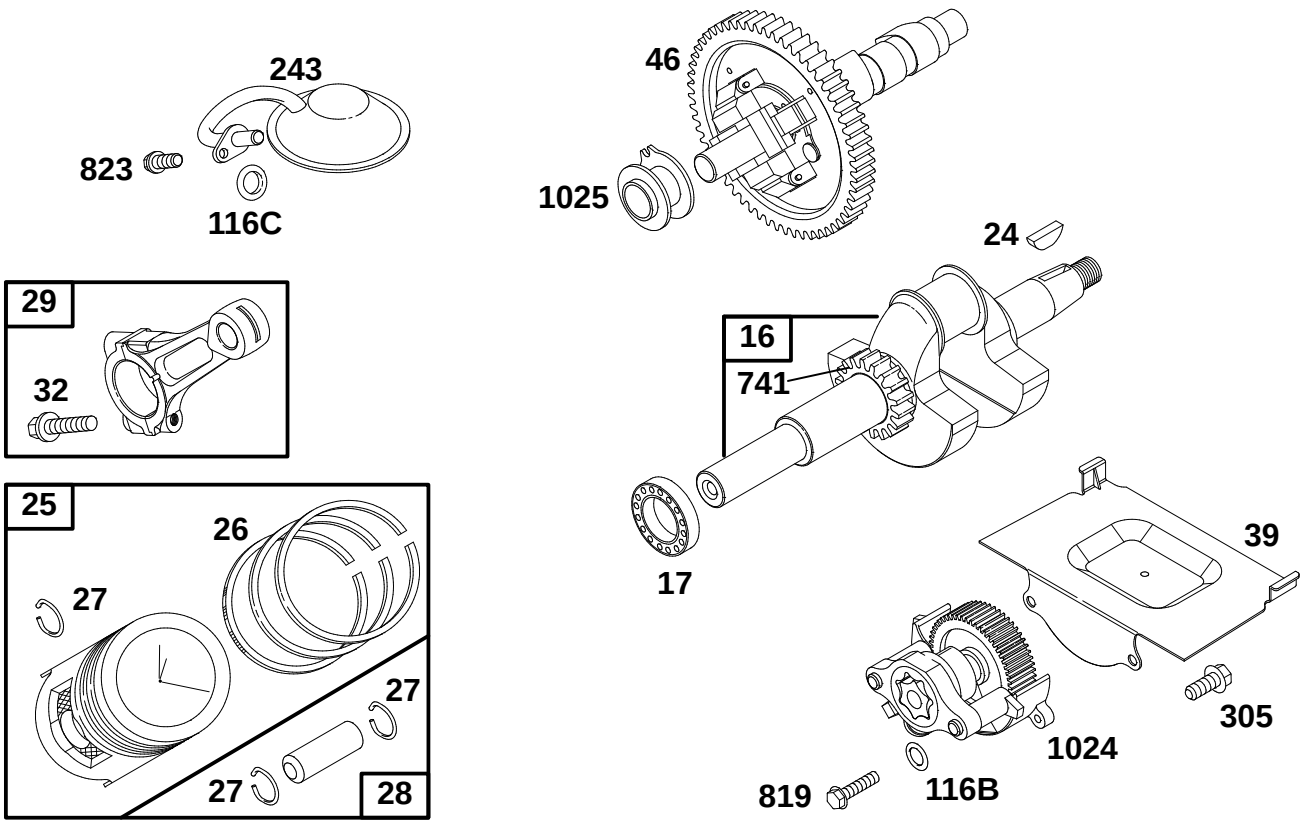
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–1179–A1

Ref. No.	Part No.	Description	No. Used
1	807521	Cylinder Assembly	1
2	807687	Bearing – Cylinder	1
*3	805101	Seal – Oil	1
8	807795	Breather Assembly	1
*9	805379	Gasket – Breather	1
10	805751	Screw – Hex.Washer Head	1
11	805362	Tube – Breather	1
*12	805112	Gasket – Crankcase Cover	1
15	805048	Plug – Oil Drain	1
18	807628	Cover Assy. – Crankcase	1
*20	805049	Seal – Oil	1
22	805696	Screw – Crankcase Cover	1
84	91488	Plug – Pipe	1
*87	805054	Seal – Governor Shaft	1
*116	805198	O–Ring (Crankcase Cover)	1
*116A	805386	O Ring (Dipstick)	1
166	805073	Stud – Oil Filter Adapter	1
284	805247	Screw – Hex. Head	1

Ref. No.	Part No.	Description	No. Used
189	805449	Lockwasher	1
523	807977	Dipstick	1
*524	281370	Seal – Fill Tube	1
525	807584	Tube – Oil Fill	1
552	805412	Bushing – Governor Shaft	1
552A	805413	Bushing – Governor Shaft	1
572	805197	Baffle – Breather	1
614	806096	Pin – Cotter	1
616	807596	Fork – Governor	1
634	805416	Washer – Governor Shaft	1
718	805103	Dowel – Crankcase	1
*722	807688	Seal – Breather Screw	1
*978	805250	Gasket – Oil Filter Adapter	1
982	805030	Screw	1
1027	492932	Filter – Oil	1
1028	808325	Adapter – Oil Filter	1
1058	272105	Owner's Manual	1

*Included in Gasket Set – Part No. 807989.



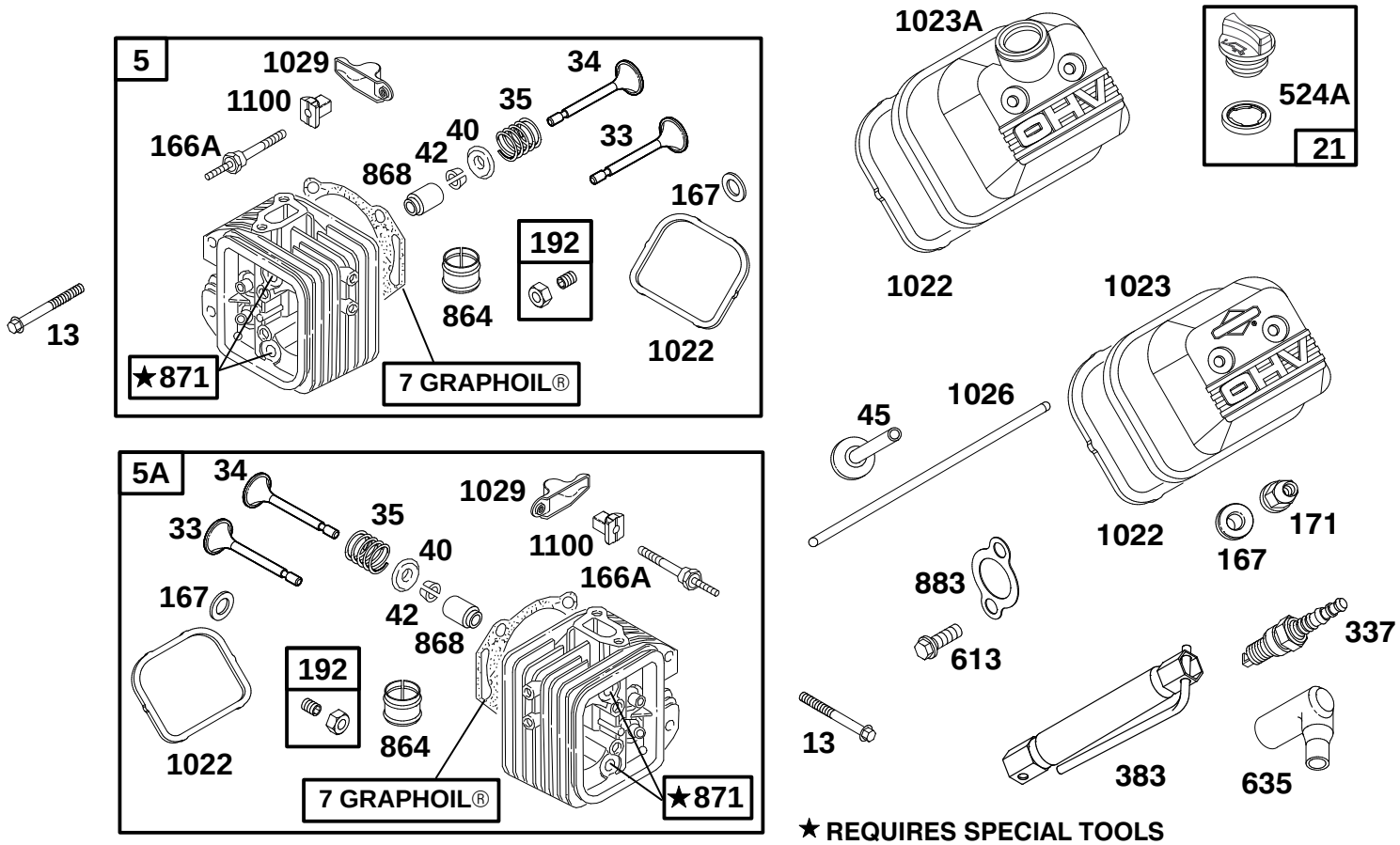
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft **Note:** To Replace Crankshaft Timing Gear Key Order Part No. 94196. 807625 Washers − Thrust	1
17	805754	Bearing − Ball	1
24	805016	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

Ref. No.	Part No.	Description	No. Used
27	805099	Lock − Piston Pin	1
28	807621	Piston Pin Assembly	1
29	807900	Connecting Rod Assembly	1
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
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. 807989.



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

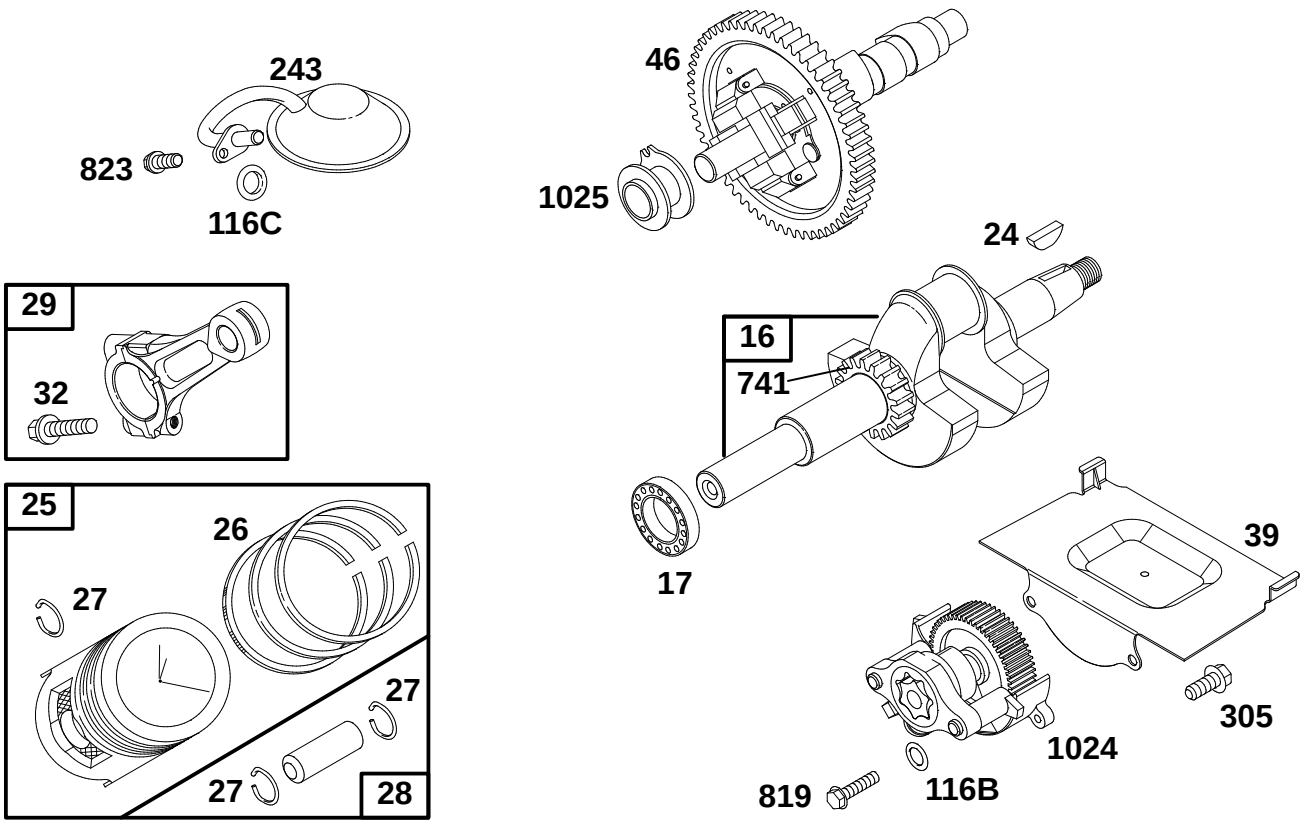
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

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
166A	806037	Stud − Rocker Arm	1
*‡167	805420	Washer − Valve Cover	1
‡171	805019	Nut − Nylock	1
192	807623	Screw − Valve Adjustment	1
337	496018	Plug − Spark	1

Ref. No.	Part No.	Description	No. Used
383	19374	Wrench − Spark Plug	1
*‡524A	271983	Seal − Filler Plug	1
613	805158	Screw − Hex.	1
635	805529	Elbow − Spark Plug	1
864	805083	Liner − Exhaust Port	1
868	805094	Seal − Valve Guide	1
871	805084	Guide − Valve	1
*‡883	805024	Gasket − Exhaust Manifold	1
*‡1022	806039	Gasket − Valve Cover	1
1023	805100	Cover − Valve	1
1023A	808032	Cover − Valve	1
1026	805352	Rod − Push (Intake Valve) **Note:** 805617 Rod − Push (Exhaust Valve)	1
1029	806036	Arm − Rocker	1

*Included in Gasket Set − Part No. 807989.
‡Included in Valve Overhaul Kit − Part No. 807990.



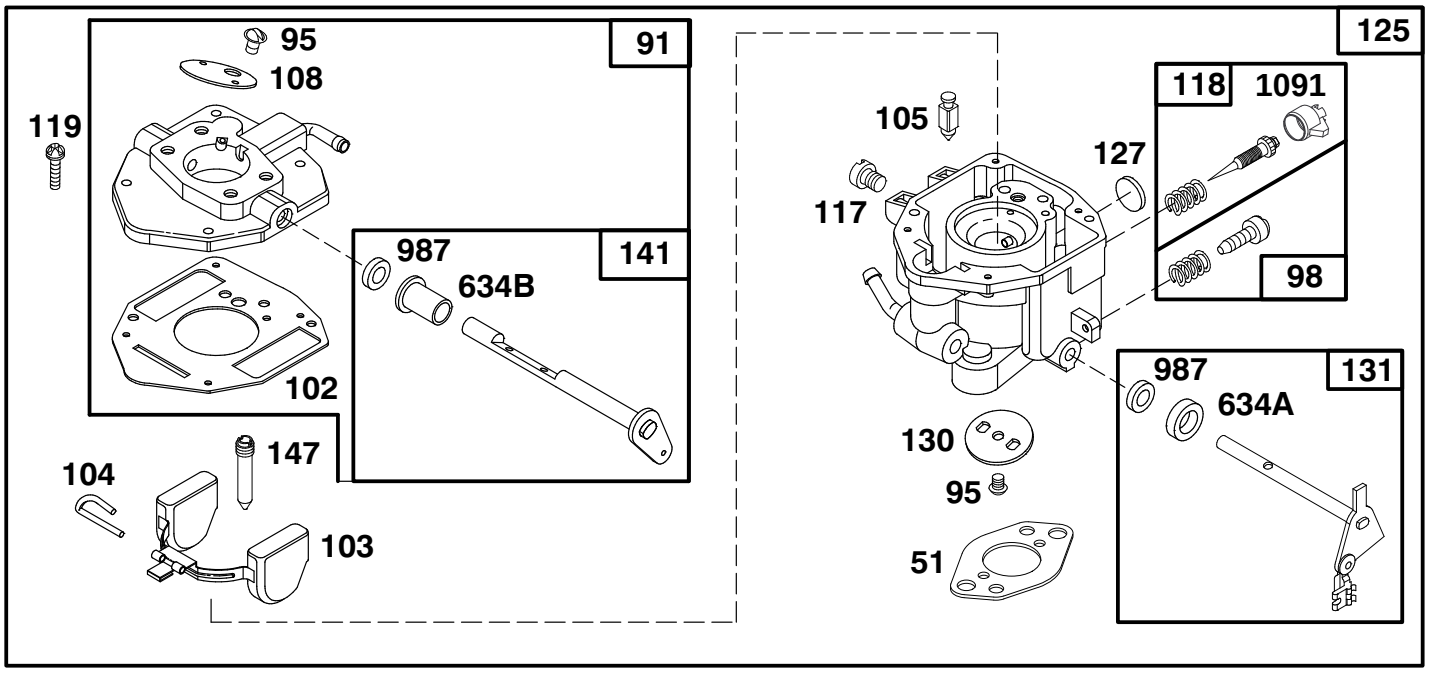
Assemblies include all parts shown in frames.

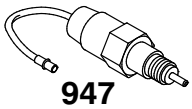
ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

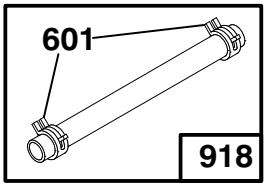
Ref. No.	Part No.	Description	No. Used
16	807589	Crankshaft **Note:** To Replace Crankshaft Timing Gear Key Order Part No. 94196. 807625 Washers − Thrust	1
17	805754	Bearing − Ball	1
24	805016	Key − Flywheel	1
25	807619	Piston Assembly (Standard)	1
	807807	Piston Assembly (.010 O.S.)	1
	807809	Piston 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

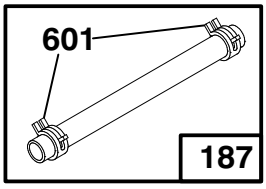
Ref. No.	Part No.	Description	No. Used
27	805099	Lock − Piston Pin	1
28	807621	Piston Pin Assembly	1
29	807900	Connecting Rod Assembly	1
32	805395	Screw − Connecting Rod	1
39	805654	Deflector − Oil	1
46	807542	Gear − Cam	1
*116B	805058	O−Ring (Oil Pump)	1
*116C	805316	O−Ring (Pick − Up Tube)	1
243	807598	Screen − Oil Pump Pick-Up	1
305	805025	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

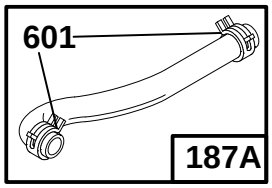
*Included in Gasket Set − Part No. 807989.

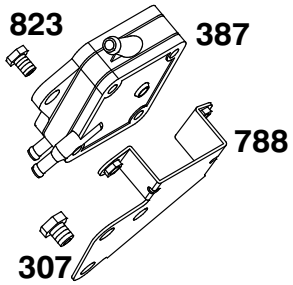












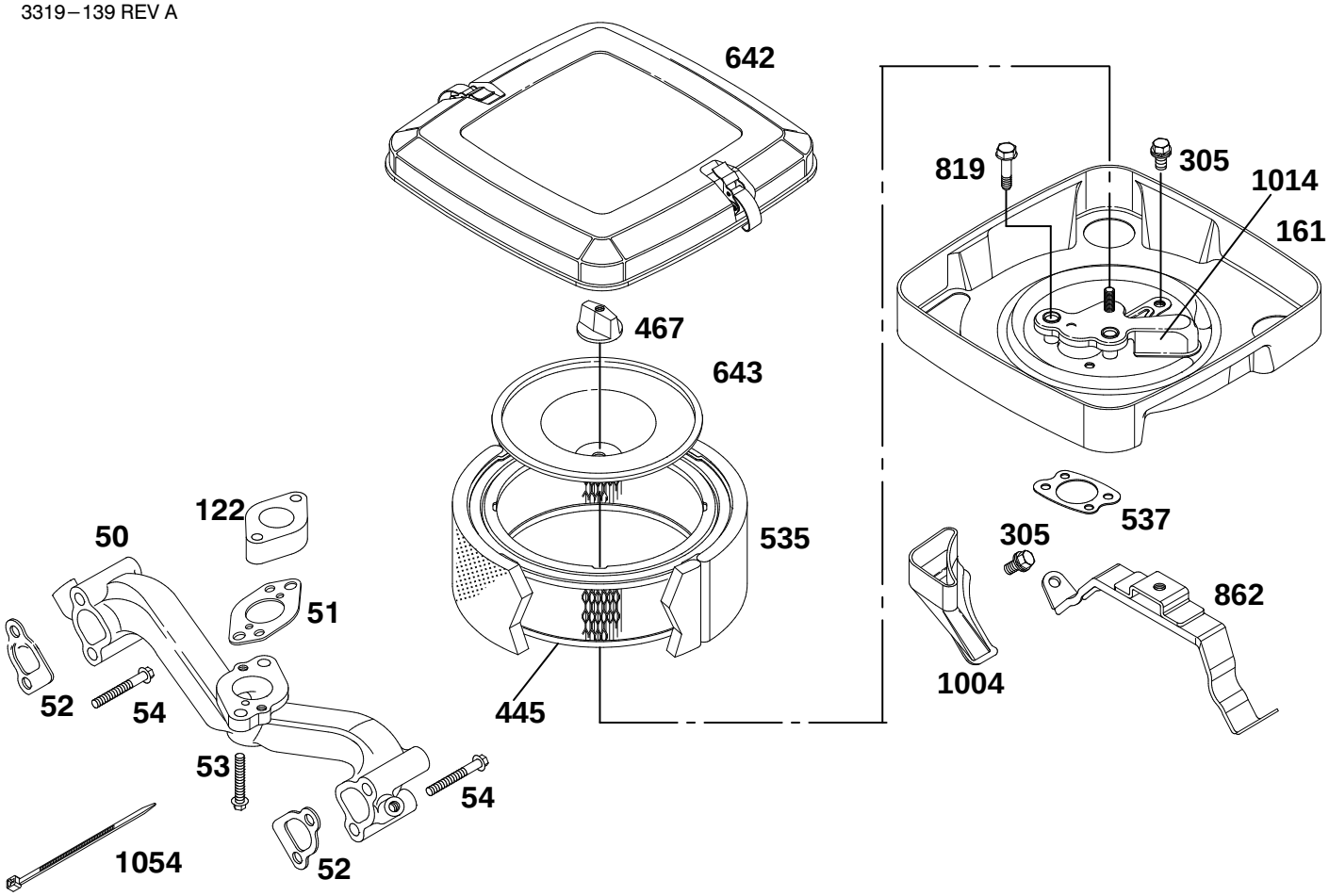
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

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
118	808293	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
187A	398367	Line−Fuel	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 Carburetor Kit − Part No. 807726.

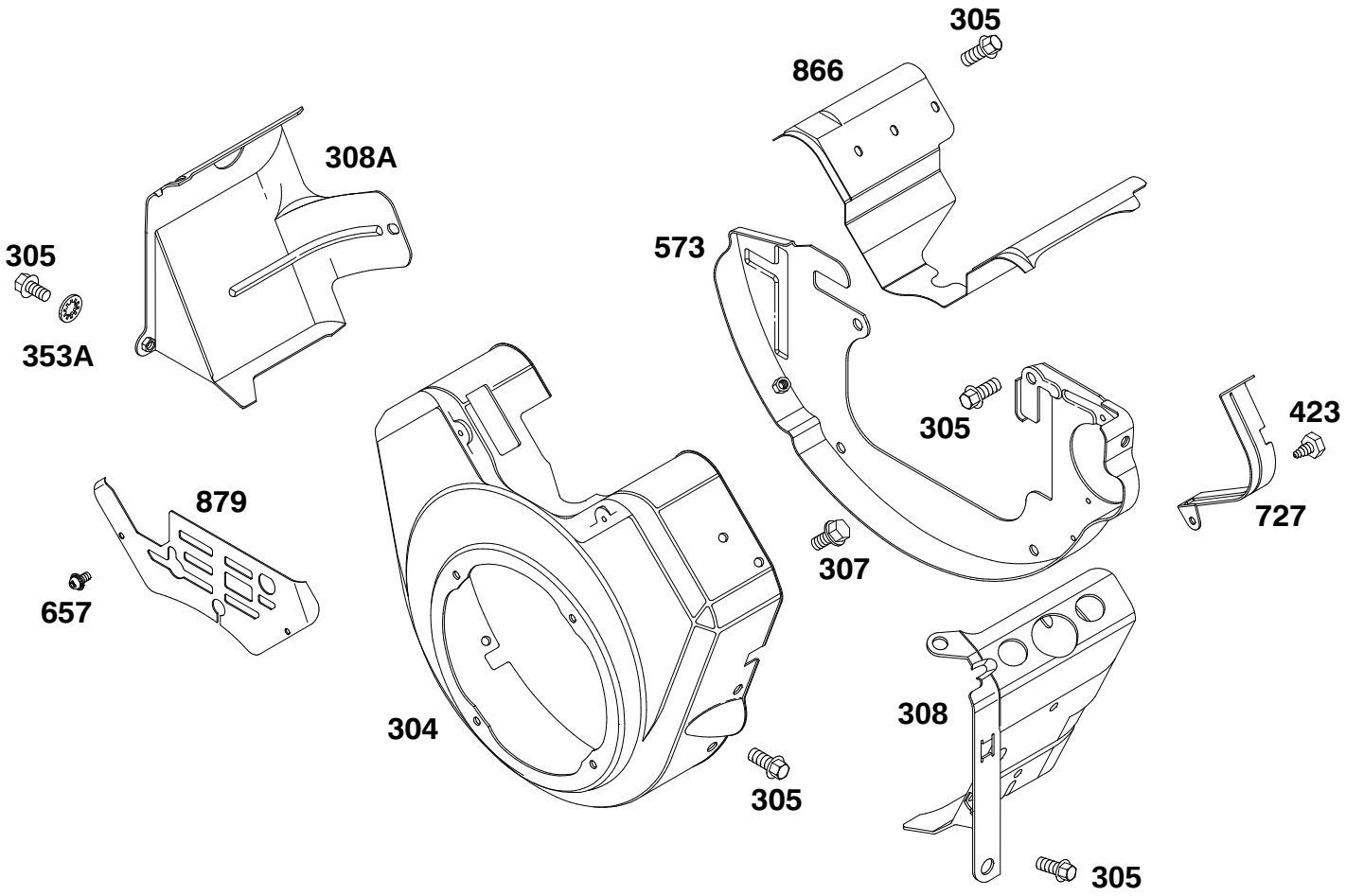


ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

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	805025	Screw − Sem	1
445	394018	Filter− Air	1

Ref. No.	Part No.	Description	No. Used
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
819	805057	Screw − Hex. Hd.	1
862	807796	Bracket − Air Cleaner	1
1004	805632	Strap − Cleaner Mounting	1
1014	807797	Shield − Carburetor	1

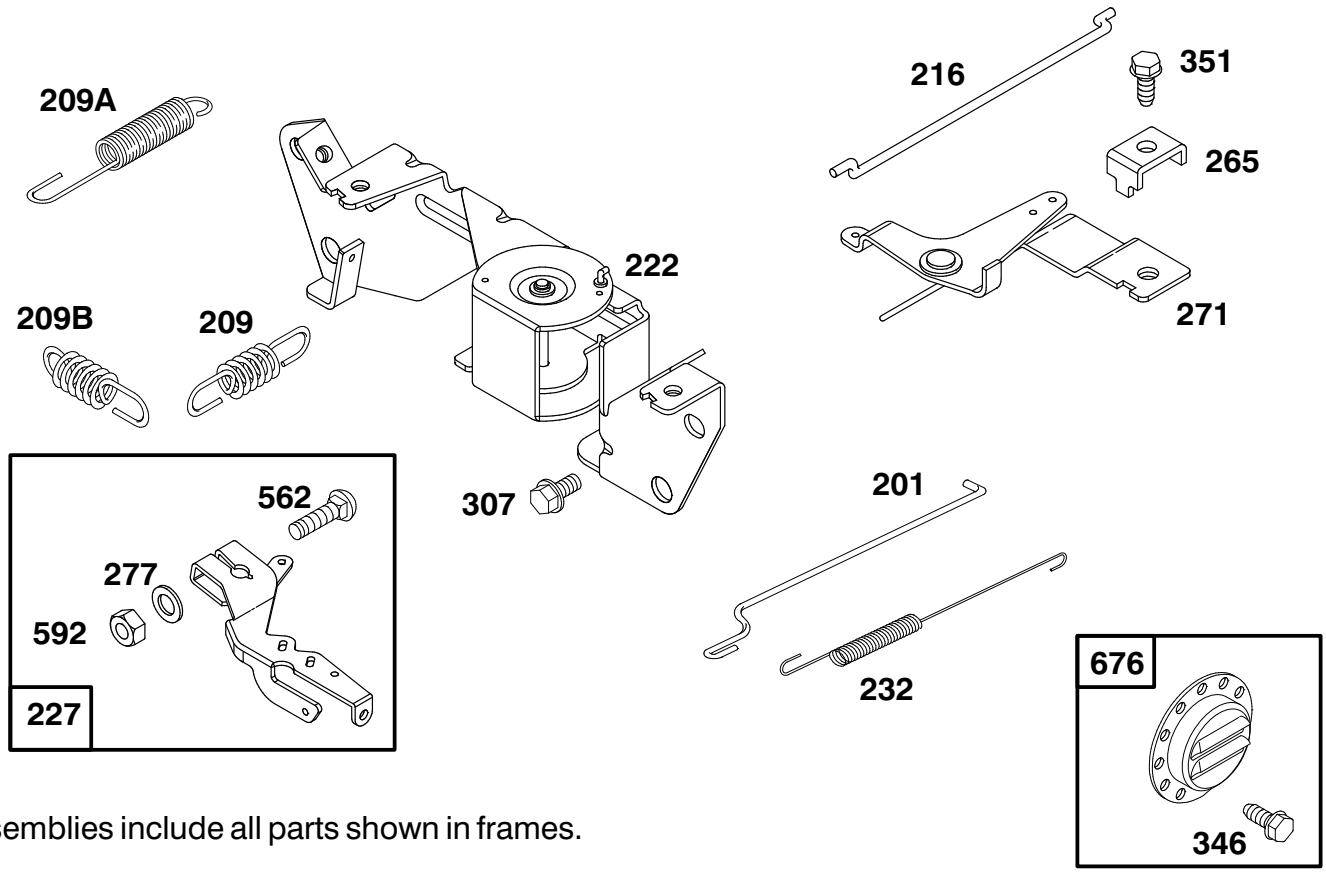
*Included in Gasket Set − Part No. 807989.



ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

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
373	805383	Nut − Hex.	1
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

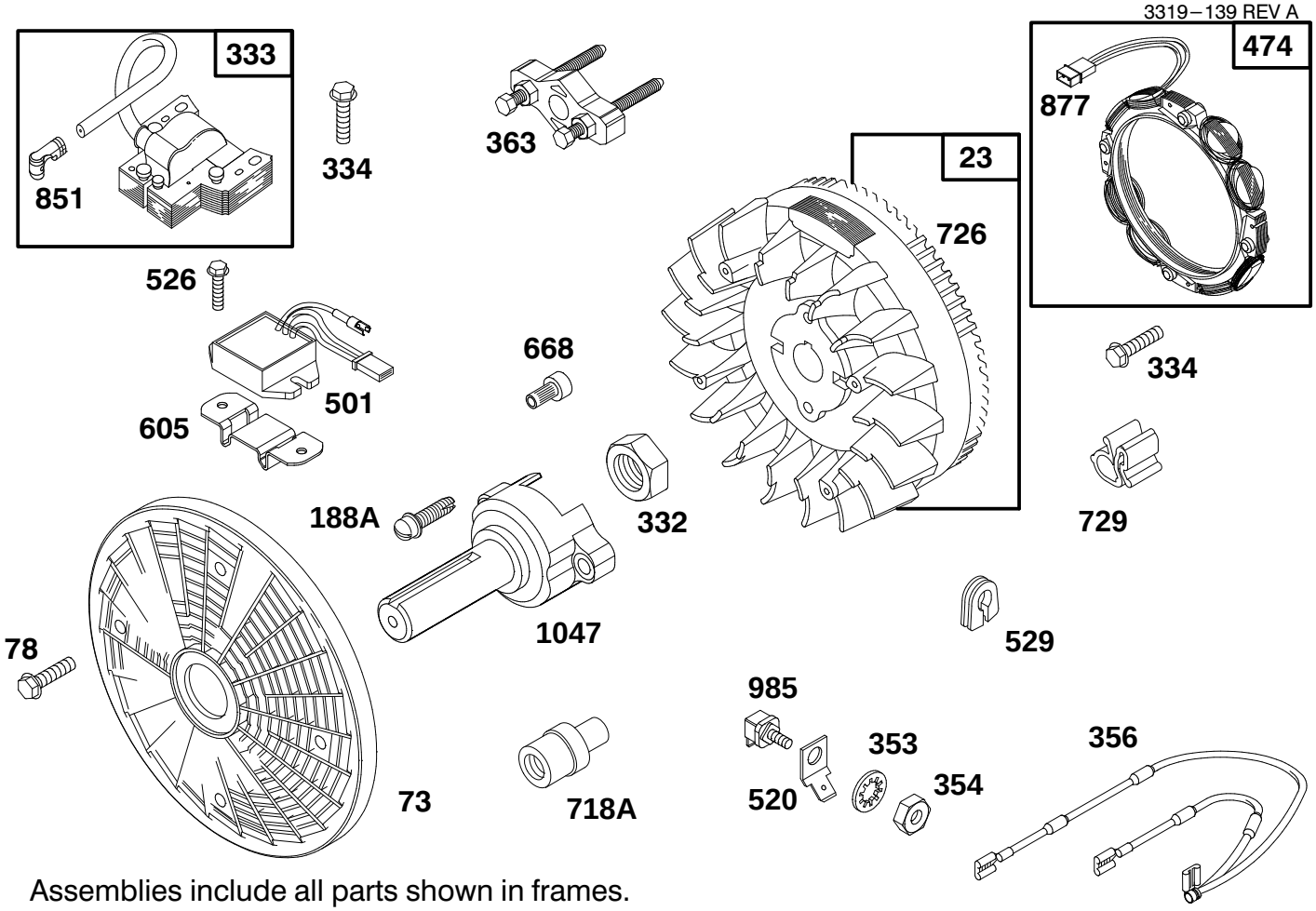


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–1179–A1

Ref. No.	Part No.	Description	No. Used
201	805480	Link – Governor	1
209	805464	Spring – Governor	1
209A	805450	Spring – Governed Idle	1
209B	806105	Spring – Governor	1
216	805439	Link – Choke	1
222	808195	Bracket – Governor Control	1
227	807528	Lever Assembly – Governor	1
232	805465	Spring – Governor Link	1
265	221535	Clamp – Casing	1

Ref. No.	Part No.	Description	No. Used
271	808145	Bracket – Choke Control	1
277	805018	Washer	1
307	805025	Screw – Hex. Head	1
346	94896	Screw – Hex. Head	1
351	805169	Screw – Hex. Head	1
562	805381	Bolt – Carriage	1
592	805383	Nut – Hex.	1
676	397630	Deflector – Muffler	1

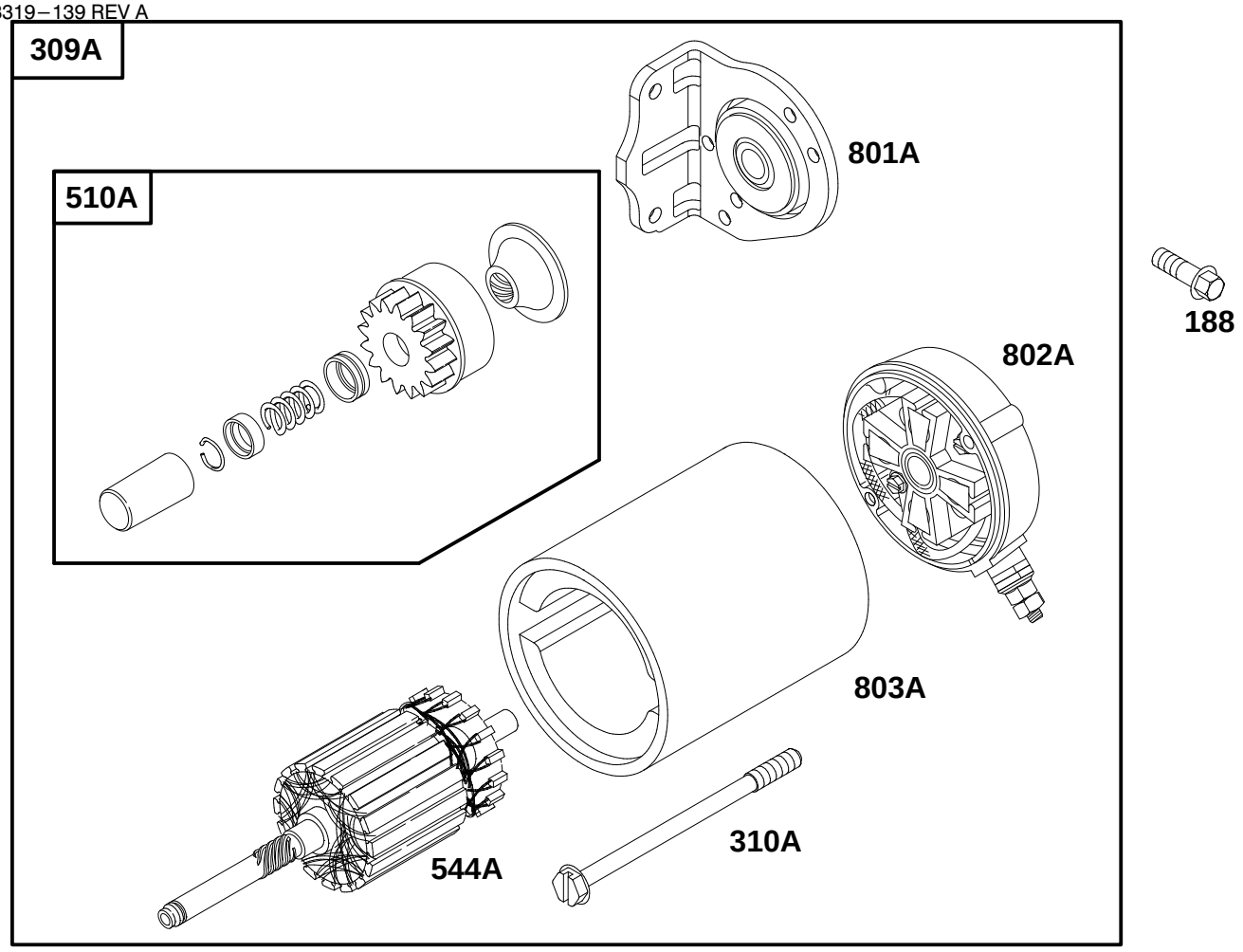


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–1179–A1

Ref. No.	Part No.	Description	No. Used
23	808128	Flywheel – Magneto	1
73	805723	Screen – Rotating	1
78	805447	Screw – Hex. Hd.	1
188A	93847	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
501	394890	Regulator – Alternator	1

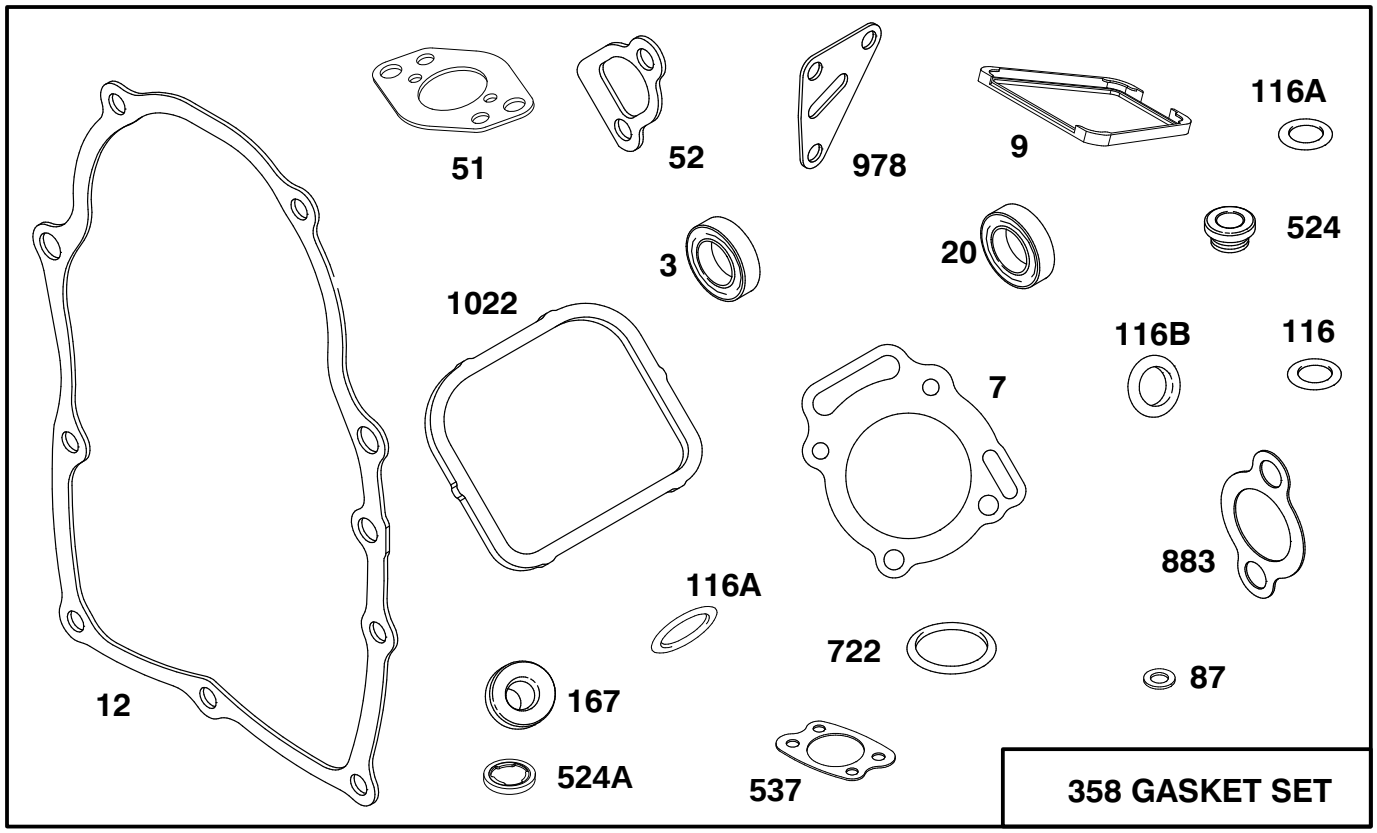
Ref. No.	Part No.	Description	No. Used
520	93722	Terminal – Spade	1
526	805448	Screw – Hex. Hd.	1
529	805641	Grommet	1
605	222934	Bracket–Regulator	1
668	805402	Spacer	1
718A	805613	Pin – Pilot	1
726	808162	Gear – Flywheel Ring Includes Mounting Hardware.	1
729	280470	Clip – Wire	1
851	493880	Terminal – Ignition Cable	1
877	393537	Wire – Alternator	1
985	398525	Insulator	1
1047	262949	Shaft – Stub	1



ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

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

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



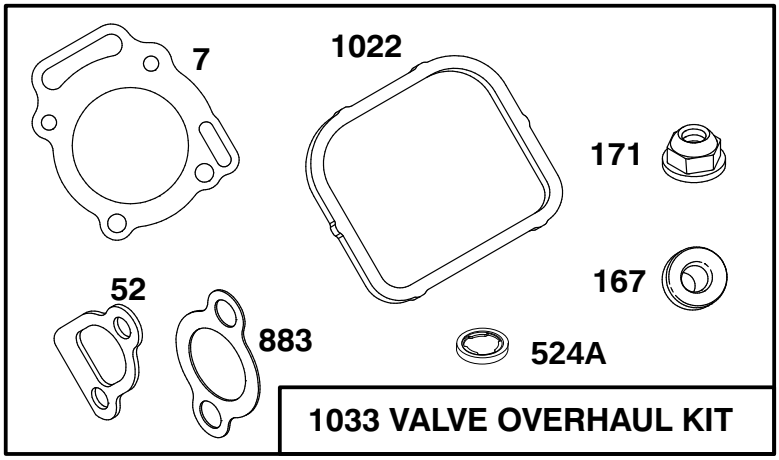
Assemblies include all parts shown in frames.

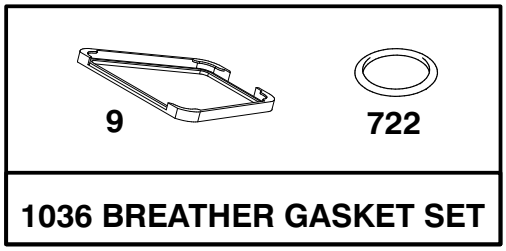
ENGINE BRIGGS & STRATTON MODEL 303447−1179−A1

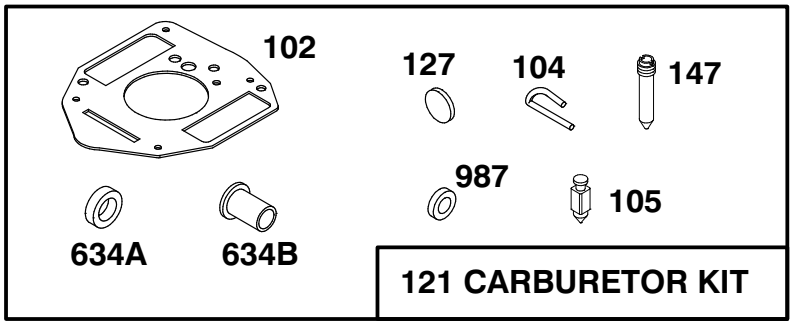
Ref. No.	Part No.	Description	No. Used
*3	805101	Seal − Oil	1
*‡7	807986	Gasket − Cylinder Head	1
*9	805379	Gasket − Breather	1
*12	805112	Gasket − Crankcase Cover	1
*20	805049	Seal − Oil	1
*51	805700	Gasket − Carburetor Mtg.	1
‡*52	805023	Gasket − Intake Manifold	1
*87	805054	Seal − Governor Shaft	1
*116	805198	O−Ring (Crankcase Cover)	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	807989	Gasket Set	1
*524	281370	Seal − Fill Tube	1
*‡524A	271983	Seal − Filler Plug	1
*537	805655	Gasket − Air Cleaner	1
*722	807688	Seal − Breather Screw	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. 807989.
‡Included in Valve Overhaul Kit − Part No 807990.







Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303447–1179–A1

Ref. No.	Part No.	Description	No. Used
*‡7	807986	Gasket – Cylinder Head	1
*9	805379	Gasket – Breather	1
*‡52	805023	Gasket – Intake Manifold	1
†102	805541	Gasket – Carburetor Body	1
†104	805545	Pin – Float Hinge	1
†105	805547	Valve – Fuel Inlet	1
121	807726	Carburetor Kit	1
†127	805559	Plug – Welch	1
†147	805553	Jet – Slow Speed	1
*‡167	805420	Washer – Valve Cover	1

Ref. No.	Part No.	Description	No. Used
‡171	805019	Nut – Nylock	1
*‡524A	271983	Seal – Filler Plug	1
†634A	805557	Collar – Throttle	1
†634B	805543	Collar – Choke	1
*722	805483	Seal – Breather Screw	1
*‡883	805024	Gasket – Exhaust Manifold	1
†987	805544	Seal – Shaft	1
*‡1022	806039	Gasket – Valve Cover	1
1033	807990	Overhaul Kit – Valve	1
1036	807688	Gasket Set – Breather	1

*Included in Gasket Set – Part No. 807989.
†Included in Carburetor Kit – Part No. 807726.
‡Included in Valve Overhaul Kit – Part No. 807990.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
106948	Tray − Battery	19	50	1
3−0348	Bushing − Sleeve	3	11	6
3−0348	Bushing − Sleeve	4	14	6
3−0348	Bushing − Sleeve	6	22	6
3−1506	Bushing	1	24	2
3−1506	Bushing − Flange	3	16	4
3−1506	Bushing − Flange	4	30	4
3−1506	Bushing − Flange	6	38	4
3−4808	Nut − Wing	32	1	1
3−6657	Clip − Skid	32	4	2
3−6685	Spring − Compression	18	17	1
5−0946	Key − Square	27	8	1
5−0946	Key − Square	26	12	1
5−1226	Washer − Shim	3	10	2
5−1226	Washer − Shim	4	16	2
5−1226	Washer − Shim	6	24	2
5−2653	Pulley Assembly	17	4	4
5−3934	Bolt − Castor	28	20	1
10−6060	Pin − Lift Cylinder	3	7	1
10−6060	Pin − Pivot	4	19	1
10−6090	Pin − Pivot	4	33	1
10−6090	Pin − Pivot	3	37	1
10−6090	Pin − Pivot	6	41	1
10−6110	Pin − Hinge	3	3	1
10−6110	Pin − Pivot	4	24	1
10−6821	Brake Drum Assembly	8	*	2
10−6830	Stud − Drive	28	17	4
10−6850	Drum − Brake	8	6	2
10−6870	Hub − Wheel	8	5	2
10−7070	Key − Square	26	20	1
10−7240	Sleeve	17	20	1
10−7820	Pivot Hinge Assembly	3	12	1
10−7820	Pivot Hinge Assembly	4	25	1
10−7820	Pivot Hinge Assembly	6	33	1
10−7850	Latch − Parking Brake	1	23	1
10−8100	Strap − Brake Shaft	1	31	2
10−8110	Washer − Thrust	3	9	6
10−8110	Washer − Thrust	4	15	6
10−8110	Washer − Thrust	6	23	6
10−8140	Spring − Torsion	1	7	1
11−0160	Roller Shaft Screw Assy.	3	14	2
11−0160	Roller Shaft Screw Assy.	4	28	2
11−0160	Roller Shaft Screw Assy.	6	36	2
12−3270	Screw − Hex. Washer Hd.	25	17	4
12−3270	Screw − Hex. Washer Hd.	10	38	1
12−3270	Screw − Thread Forming	12	50	1
12−9140	Decal	31	1	1
17−9420	Screw − Traction Stop	10	34	1
18−6320	Washer − Steering	28	7	4
20−0070	Tube	32	5	1
20−0080	Rod	32	7	1
20−0110	Bracket − Alignment	32	2	1
21−8470	Shaft − Roller	3	21	1
21−8470	Shaft − Roller	4	36	1
21−8470	Shaft − Roller	6	44	1
22−6090	Washer − Thrust	31	4	1
23−8840	Puller − Bolt	31	3	1
23−8850	Tube − Support	31	5	1
23−8860	Pin − Bearing Rplcmnt.	31	6	1
23−8880	Driver − Bearing	31	1	2
26−3790	Nut − Lock	8	4	2
27−1960	Hub − Engine	26	21	1
27−1970	Hub − Pump	26	22	1
27−2270	Rod − Brake Adjusting	1	29	2
27−2320	Bearing − Flange	10	7	2
27−2320	Bearing − Flange	1	33	2
27−2380	Spacer	19	32	2
27−2400	Strap − Reservoir Assembly	22	5	2
27−2550	Pin − Pivot	6	27	1
27−6600	Spacer − Coupling	26	15	4
28−1400	Battery	19	11	1
28−3680	Tire	8	2	2
28−3680	Tire	28	9	1
28−4210	Solenoid − Starter	19	5	1
28−8080	Boot Terminal	19	13	1
29−9080	Handle	31	3	1
29−9090	Hose − Handle	31	4	1
36−4310	Brush	31	5	1
36−7250	Basket − Grass	2	*	3
38−0410	Nut − Hex.	14	53	1
38−0410	Nut − Hex.	16	59	1
42−2680	Race R. Detent	13	46	1
43−2830	Nut − Hex	25	33	1
43−5220	Ring − Retaining	7	10	1
43−5230	Shaft & Clevis	7	11	1
43−5930	Washer − Lock	25	25	2
43−8600	Spring − Compression	18	21	1
43−8610	Seat − Ball	18	20	1
43−8620	Guide − Switch	18	23	1
43−8860	Plunger − Switch	18	22	1
43−8870	Boot − Switch	18	26	1
43−9071	Seat Switch Assembly	18	*	1
44−0870	Shaft − Cam	10	5	1
44−2230	Coupling − Rubber	26	16	1
44−5560	Head − Oil Filter	19	27	1
46−8560	Screw − Self Taping	19	20	3
47−5320	Lever − Control	10	40	1
48−7610	Screw − Cap Hex. Hd.	23	9	1
48−7620	Screw − Cap Hex. Hd.	25	36	1
49−2040	Screw − Thread Forming	25	27	4
49−5430	Rod − Control	10	1	1
49−5430	Rod − Control	1	4	1
49−5880	Shaft − Seat Support	18	27	1
49−5900	Wheel − Steering	17	1	1
49−6110	Guard − Transfer Rod	1	6	1
49−6120	Pad − Footrest	1	13	1
49−6200	Lever − Cutting Control	2	42	1
49−6220	Bracket − Control Arm	10	9	1
49−6250	Bracket − Traction Pivot	10	35	1
49−6260	Assy. − Pivot, Traction	10	21	1
49−6290	Shaft − Traction Pivot	10	37	1
49−6440	Pedal − Forward	10	42	1
51−0350	Pin − Seat Spring	18	16	1
51−0780	Slider − Seat	18	31	1
51−0790	Adjuster − Seat	18	6	1
52−1990	Piston	5	3	1
52−2720	Roller Assembly	3	20	1
52−2720	Roller Assembly	4	35	1
52−2720	Roller Assembly	6	43	1
52−5860	Collar − Spool	16	51	1
52−5880	Ball − Steel	13	47	12
52−5900	Screw − Fillister Hd.	15	37	4
56−2230	Hose − Fuel	23	17	1
56−7720	Bolt − Battery	19	17	2
56−7970	Clamp Half − Tube	2	45	2
57−6140	Clamp Half − Tube	8	20	2
57−6220	Link	10	17	5
57−7650	Spring − Torsion	4	11	1
57−7650	Spring − Torsion	6	18	1
57−7650	Spring − Torsion	3	32	1
61−3310	Plate − Logo	19	21	1
62−2420	Bar − Lift	6	8	1
62−2440	Lift Arm Assembly	4	8	1
62−2460	Lift Arm Assembly L.H.	3	29	1
62−2570	Filler Cap Assembly	22	*	1
62−2610	Strainer − Filler Cap	22	17	1
63−3840	Hydraulic Hose Assembly	29	5	1
63−3850	Hose − Hydraulic	11	31	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63−3850	Hose − Hydraulic	3	39	1
63−4020	Tube − Hydraulic	29	17	1
63−4020	Tube − Hydraulic	11	40	1
63−4030	Tube − Hydraulic	29	18	1
63−4030	Tube − Hydraulic	11	41	1
63−4040	Hydraulic Tube Assembly	29	4	1
63−4040	Tube − Hydraulic	11	35	1
63−4050	Fitting − Tee	11	42	2
63−4080	Fitting − Manifold Tee	11	37	1
63−8360	Key − Ignition	20	17	1
63−8410	Washer − Flat	23	4	4
63−8750	Pin − Pivot	6	9	1
63−8750	Pin − Pivot	4	10	1
63−8750	Pin − Pivot	3	33	1
63−9920	Decal − EEC	19	43	1
65−4860	Head	5	9	1
65−8320	Bar − Gauge	2	*	1
66−2950	Gauge − Hourmeter	20	5	1
67−1300	Decal − TORO	19	39	1
68−5100	Rod − Seat Prop	18	10	1
68−5310	Clip − Seat Rod	18	12	1
68−5380	Lift Arm Assembly	6	21	1
68−5560	Pin − Cylinder Pivot	6	26	1
68−5880	Hose − Hydraulic	19	30	1
69−9760	Plate − Cover	2	50	1
70−2770	Head	7	8	1
70−2780	Piston	7	4	1
70−7130	Tube Assy.	11	3	1
70−7150	Hose − Hydraulic	11	48	1
70−8130	Barrel	7	1	1
70−8610	Hose − Hydraulic	12	51	1
70−9840	Shoe − Brake	8	8	4
70−9850	Clip − Retaining	8	23	2
70−9860	Cam − Brake	8	27	2
70−9870	Plate − Backing	8	10	2
70−9880	Spring − Return	8	7	4
71−0990	Orifice	11	43	1
71−1500	Brake Assembly	8	*	2
72−3850	Seal − Filter	19	28	1
72−4320	Switch − Ball	18	18	1
72−4790	Hold−Down − Battery	19	16	1
74−0720	Tube − Manual	18	3	1
74−3570	Filter − Hydraulic Oil	19	29	1
74−3730	Spacer − Hub	28	11	2
74−3810	Load Plate Assembly	30	9	1
74−3830	Hydraulic Hose Assembly	29	12	1
74−9100	Pad − Forward Pedal	10	25	1
74−9110	Pad − Reverse Pedal	10	23	1
75−9440	Hub − Wheel	28	15	1
76−0410	Spring	2	54	1
76−0810	Housing Assembly	9	*	1
76−0840	Manifold	9	22	1
76−0850	Bearing − Thrust	9	12	1
76−0860	Shaft − Coupling	9	11	1
76−0870	Plate − Wear	9	18	1
76−0880	Commutator Assembly	9	*	1
76−0940	End Cover Assembly	9	24	1
76−1720	Gasket − Filler Cap	22	14	1
76−1850	Clevis	5	13	1
76−1860	Shaft	5	6	1
83−0010	Engine Assembly	25	15	1
83−0020	Ignition Switch Assembly	20	14	1
83−0030	Control − Throttle	20	12	1
83−0040	Control − Choke	20	13	1
83−0060	Lift − Pivot	1	26	1
83−0080	Spring − Torsion	1	25	1
83−0140	Pedal − Mow	2	38	1
83−0160	Shaft − Brake	2	48	1
83−0190	Cover − R.H.	8	18	1
83−0200	Cover − L.H.	1	17	1
83−0540	Pedal − Traction	10	24	1
83−0580	Rod − Traction Control	10	32	1
83−0630	Arm − Traction Pivot	10	29	1
83−0640	Plate − Footrest	1	12	1
83−0820	Gauge − Ammeter	20	4	1
83−0830	Panel − Control Upper	19	33	1
83−0840	Fender − L.H.	19	19	1
83−1030	Mount − Engine	25	4	3
83−1040	Washer − Mount	25	2	3
83−1050	Spacer − Mount	25	3	2
83−1060	Adapter − Pump	25	10	1
83−1080	Pipe − Exhaust	25	7	1
83−1110	Harness − Wire (Engine)	21	2	1
83−1160	Wire − Solenoid−Starter	21	3	1
83−1170	Hose − Hydraulic	11	22	1
83−1170	Hose − Hydraulic	26	28	1
83−1180	Hose − Hydraulic	11	6	1
83−1180	Hose − Hydraulic	26	8	1
83−1190	Hose − Hydraulic	26	1	2
83−1190	Hose − Hydraulic	11	10	2
83−1200	Tube Assy.	11	5	1
83−1220	Plate − Clamp	8	21	1
83−1270	Seat Support Assembly	18	7	1
83−1390	Fitting − Fuel Shut−Off	23	15	1
83−1400	Shield − Muffler	25	16	1
83−1630	Bracket − Muffler Support	25	24	1
83−1670	Fitting − Special	11	27	1
83−1680	Hose − Hydraulic	6	13	1
83−1680	Hose − Hydraulic	11	30	1
83−1690	Hose − Hydraulic	11	21	1
83−1690	Hose − Hydraulic	3	40	1
83−1700	Bushing − Flange	8	33	3
83−1840	Cover − R.H.	18	32	1
83−1890	Switch − Ball	14	54	1
83−1890	Switch − Ball	16	60	1
83−2030	Plate − Filler	20	3	1
83−2040	Hose − Fuel	23	14	1
83−2041	Hose − Fuel	23	11	1
83−2200	Nut − Special	23	8	1
83−2240	Arrestor − Spark	25	*	1
83−2310	Shield	25	35	1
83−2450	Hose − Hydraulic	11	1	1
83−2450	Hose − Hydraulic (Top)	8	34	1
83−2460	Hose − Hydraulic	11	4	1
83−2460	Hose − Hydraulic (Bottom)	8	*	1
83−2580	Cylinder − Lift	3	6	1
83−2580	Hydraulic Cylinder Assy.	4	22	1
83−2590	Bolt − Eccentric	2	47	1
83−7230	Hydraulic Cylinder Assembly	6	10	1
84−2000	Bracket − Brake	8	12	2
84−2190	Seals − Section Set	14	*	1
84−2203	Control Valve Assembly	16	*	1
84−2203	Control Valve Assembly	11	16	1
85−6540	Stud − Drive	8	28	8
85−8120	Plate − Engine Mount	25	28	1
86−5360	Repair Kit	7	*	1
86−5390	Seal Kit	5	*	1
86−9820	Frame − Pull Rear	6	1	1
88−9630	Lift Pivot Bracket R.H.	2	40	1
88−9640	Lift Pivot Bracket L.H.	1	28	1
88−9660	Shaft − Cutting Control	2	36	1
88−9700	Hose − Hydraulic	6	15	1
88−9700	Hose − Hydraulic	11	20	1
92−0585	Pull Arm Assembly R.H.	3	19	1
92−0585	Pull Arm Assembly R.H.	4	34	1
92−0585	Pull Arm Assembly R.H.	6	42	1
92−0586	Pull Arm Assembly L.H.	3	17	1
92−0586	Pull Arm Assembly L.H.	4	31	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
92−0586	Pull Arm Assembly L.H.	6	39	1
92−1180	Seat Assembly	18	5	1
92−2545	Seals − Spool	14	*	1
92−2545	Seals − Spool	16	*	1
92−2546	Wiper − Seal	13	25	4
92−2546	Wiper − Seal	16	64	5
92−2547	Plate − Seal Retainer	15	18	5
92−2547	Plate − Seal Retainer	13	24	4
92−2548	Seals − Spool	14	*	1
92−2548	Seals − Spool	16	*	1
92−2549	Seals − Spool	16	*	1
92−3058	Spring − Centering	13	41	1
92−3148	Spring	15	23	1
92−5524	Decal − Noise Rating	19	42	1
92−6533	Kit − Cushion	18	35	1
92−6534	Shell	18	36	1
92−7189	Tank − Fuel	23	2	1
92−8795	Body Assembly	30	10	1
92−8796	Pin − Dowel	30	14	2
92−8863	Repair Kit	30	*	1
92−9176	Frame − Pull L.H.	3	24	1
92−9177	Frame − Pull R.H.	4	1	1
92−9199	Motor − Hydraulic	8	22	2
92−9761	Link − Drive	9	13	7
92−9762	Screw − Cap Hex. Hd.	9	14	1
92−9763	Rotor Set	9	*	1
92−9767	Hose − Hydraulic	11	18	2
92−9767	Hose − Hydraulic	4	39	2
92−9773	Gear − 59B	27	13	2
93−1386	Section #5 Assembly	16	*	1
93−2096	Arm − Brake	8	24	2
93−2384	Spacer − Carrier	6	31	1
93−2554	Valve − Needle	12	53	1
93−2555	Fitting − Valve Body	11	17	1
93−2556	Needle Valve Assembly	12	*	1
93−3651	Retainer − Boot	13	22	2
93−3651	Retainer − Boot	15	47	3
93−3652	Boot − Spool Assembly	14	*	2
93−3652	Boot − Spool Assembly	16	*	3
93−6668	Decal − Danger	19	45	1
93−7170	Cap − Fuel	23	1	1
93−7252	Decal − C.E. Mark	19	46	1
93−7276	Decal − Danger	19	44	1
93−7629	Pad − Brake	2	49	1
93−7630	Pad − Mow	2	39	1
93−7631	Pad − Lift	2	37	1
93−8061	Plate − Control	20	2	1
93−8062	Decal − Parking Brake	1	9	1
93−8063	Decal − Danger	17	24	1
93−8064	Decal − Danger	4	3	1
93−8064	Decal − Danger	6	3	1
93−8064	Decal − Danger	3	13	1
93−8065	Decal − Traction	19	38	1
93−8067	Decal − Oil	18	33	1
93−8069	Decal − Warning	25	34	1
93−8075	Decal − Mow/Lift	1	14	1
93−9898	Decal − Lock	2	57	1
93−9901	Bracket − Lock Out, Mow	2	58	1
93−9903	Pin − Lock Out, Mow	2	56	1
93−9904	Arm − Lock Out, Mow	2	55	1
93−9934	Traction Handle Assembly	10	12	1
93−9936	Bracket − Cable	10	44	1
93−9937	Cable − Traction Return	10	45	1
94−2690	Filter − Fuel	23	13	1
94−2694	Cover − R.H.	19	2	1
94−2959	Ball Joint Receiver Assy.	4	4	2
94−2959	Ball Joint Receiver Assy.	6	4	2
94−2959	Ball Joint Receiver Assy.	3	25	2
94−3506	Reel Motor Assembly	29	8	3
94−3507	Cover Assembly	30	4	1
94−3508	Drive Shaft Assembly	30	7	1
94−3509	Idler Gear Assembly	30	6	1
94−4248	Collar Spool	15	26	1
94−5434	Spool #5	15	1	1
94−5586	Bar − Lift L.H.	3	30	1
94−5588	Bar − Lift, R.H.	4	9	1
94−6960	Clamp − Mounting	20	9	1
94−8178	Seal Kit	9	*	1
95−0659	Module − Interlock	20	26	1
95−1628	Hinge − Upper	1	8	1
95−1629	Hinge − Lower	1	22	1
95−2932	Bracket − Pulley	17	5	1
95−2941	Steering Arm Assembly	17	22	1
95−5951	Strip − Seal	22	3	2
95−5952	Fork − Castor	28	19	1
95−5955	Drum − Steering	28	24	1
95−5956	Cable Anchor Assembly	28	21	1
95−5959	Pulley − Support	17	19	1
95−5963	Spacer − Pulley	17	15	1
95−5965	Cable − Steering	17	14	1
95−5966	Hose − Pump	26	11	2
95−5966	Hose − Pump Inlet	22	12	2
95−5976	Hydraulic Pump Assembly	26	9	1
95−5981	Frame Assembly	19	18	1
95−5984	Hydraulic Hose Assembly	29	1	1
95−5985	Hydraulic Hose Assembly	29	2	1
95−5986	Hose − Hydraulic	11	28	1
95−5987	Hose − Hydraulic	11	36	1
95−5988	Hydraulic Hose Assembly	29	16	1
95−5989	Hydraulic Hose Assembly	29	13	1
95−5997	Decal − Greensmaster 3050	2	46	1
95−7113	Decal − Service	18	34	1
95−7118	Tank − Hydraulic	22	4	1
95−7119	Hose − Hydraulic	19	23	1
95−7119	Hose − Return Line	22	11	1
95−7122	Battery Base Assembly	19	47	1
95−7124	Decal − Service (Spanish)	18	34	1
95−7125	Decal − Service (French)	18	34	1
95−7126	Decal − Service (German)	18	34	1
95−7127	Decal − Service (Swedish)	18	34	1
95−7128	Decal − Service (Italian)	18	34	1
95−7129	Decal − Service	18	34	1
95−7130	Decal − Service (Norwegian)	18	34	1
95−7131	Decal − Service (Finnish)	18	34	1
95−7132	Decal − Service (Danish)	18	34	1
95−7133	Decal − Service (Dutch)	18	34	1
95−7140	Tube − Cap	17	11	1
95−7142	Harness − Wire (Main)	21	1	1
95−7142	Harness − Wire (Main)	20	8	1
95−7142	Wire Harness − Main	25	38	1
95−7143	Decal − Service (Japanese)	18	34	1
95−7144	Cable Assembly − Positive	21	4	1
95−7145	Wire − Engine Ground	21	6	1
95−7145	Wire Asm − Engine Ground	20	37	1
95−7145	Wire Asm − Engine Ground	25	37	1
95−7149	Pulley − Front Steering	17	16	1
98−0601	Tube − Battery Drain	19	51	1
98−0603	Boot − Terminal	19	52	1
98−0604	Cable Assembly − Negative	25	39	1
98−0604	Wire − Engine Ground	21	5	1
98−0608	Idler Shaft	27	5	1
98−0609	Shaft − Drive	27	12	1
98−0610	Pin − Dowel	27	4	4
98−0611	Body Assembly	27	7	1
98−0612	Bearing Plate Assembly	27	18	2
98−0613	Cover Assembly	27	19	1
98−0614	Stud − Threaded	27	2	4
217−60	Rim	8	3	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
217−60	Rim	28	10	1
218−461	Nut − Hex.	20	16	2
218−461	Nut − Hex.	18	25	2
218−594	Fuse − 20 Amp	20	7	1
2112−11	Clamp − Muffler	25	14	1
232−24	Stem − Valve	8	1	2
232−24	Valve Stem w/Cap	28	18	1
233−48	Knob	10	11	1
237−7	Seal − O−Ring	18	24	1
237−21	Seal − O−Ring	11	11	6
237−21	Seal − O−Ring	6	11	2
237−21	Seal − O−Ring	11	19	5
237−22	Seal − O−Ring	26	2	3
237−22	Seal − O−Ring	29	11	5
237−30	Seal − O−Ring	29	3	5
237−30	Seal − O−Ring	11	7	2
237−30	Seal − O−Ring	18	19	1
237−30	Seal − O−Ring	26	27	1
237−42	Seal − O−Ring	26	4	3
237−42	Seal − O−Ring	29	9	3
237−42	Seal − O−Ring	11	15	3
237−54	O−Ring	15	3	6
237−54	O−Ring	13	6	8
237−58	Seal − O−Ring	11	34	1
237−65	Seal − O−Ring	11	2	6
237−65	Seal − O−Ring	8	15	4
237−78	Seal − O−Ring	6	14	2
237−78	Seal − O−Ring	3	38	2
237−78	Seal − O−Ring	4	38	2
237−79	Seal − O−Ring	29	7	3
237−79	Seal − O−Ring	11	9	4
237−80	Seal − O−Ring	8	13	4
237−80	Seal − O−Ring	26	25	1
237−80	Seal − O−Ring	11	32	3
237−81	Seal − O−Ring	11	38	1
237−101	Seal − O−Ring	19	26	2
237−143	Grommet	19	40	2
240−11	Grommet	23	3	4
242−50	Nut − Lug	28	8	4
242−50	Nut − Lug	8	29	8
2410−18	Plug	31	2	1
2410−64	Plug − Hole	20	6	1
2411−42	Joint − Ball L.H. Thread	10	30	1
2411−43	Joint − Ball R.H. Thread	10	33	1
2412−34	Clamp − Hose	22	8	3
2412−34	Clamp − Hose	26	10	2
2412−34	Clamp − Hose	19	24	3
2412−36	Clamp − Hose	23	16	2
2412−41	Clamp − R	23	5	3
2412−41	Clamp−R	11	47	2
2412−94	Clamp − R	23	10	1
2412−108	Clamp − Hose	23	12	4
2412−133	Clamp − R	18	4	2
250−6	Tie − Cable	25	*	2
251−141	Bearing − Ball	3	22	2
251−141	Bearing − Ball	4	37	2
251−141	Bearing − Ball	6	45	2
253−111	Seal − Shaft	28	12	2
254−61	Cup − Bearing	28	3	2
254−70	Cone − Bearing	28	4	2
254−78	Cone − Bearing	28	13	2
254−79	Cup − Bearing	28	14	2
256−2	Bushing	17	6	4
256−2	Bushing − Sleeve	10	20	2
256−113	Bushing	17	13	2
256−155	Bushing − Flange	10	26	2
256−155	Bushing −Flange	18	28	2
256−251	Bushing − Sleeve	10	10	2
282−2	Clevis − Adjusting	1	2	5
282−2	Clevis − Rod	10	3	1
283−8	Pin − Clevis	3	4	1
283−8	Pin − Clevis	4	18	1
283−57	Pin − Clevis	10	8	1
283−61	Pin − Clevis	1	1	5
283−61	Pin − Clevis	10	4	1
283−62	Pin − Clevis	10	46	1
302−2	Fitting − Grease	6	17	1
302−2	Fitting − Grease	4	23	1
302−2	Fitting − Grease Straight	3	34	1
302−5	Fitting − Grease	1	27	1
302−5	Fitting − Grease	4	29	4
302−5	Fitting − Grease	2	44	1
302−5	Fitting − Grease Straight	3	15	4
302−5	Fitting − Grease Straight	6	37	5
302−11	Fitting − Grease	28	2	1
302−55	Fitting − Grease	28	16	1
302−60	Fitting − Grease 90˚	3	8	2
302−60	Fitting − Grease 90˚	4	17	2
302−60	Fitting − Grease 90˚	6	32	1
304−61	Clamp − R	11	23	1
321−3	Screw − Cap Hex. Hd.	19	10	4
321−3	Screw − Cap Hex. Hd.	18	13	1
321−3	Screw − Cap Hex. Hd.	2	52	3
321−3	Screw − Hex. Hd.	22	9	2
321−4	Screw − Cap Hex. Hd.	8	31	1
321−4	Screw − Hex. Flange Hd.	1	16	2
321−5	Screw − Cap Hex. Hd.	20	21	1
321−5	Screw − Cap Hex. Hd.	8	26	8
321−11	Screw − Cap Hex. Hd.	2	43	1
321−11	Screw − Hex. Washer Hd.	8	17	1
321−15	Screw − HH	17	23	1
322−1	Screw − Cap Hex. Hd.	3	1	3
322−1	Screw − Cap Hex. Hd.	4	21	3
322−1	Screw − Cap Hex. Hd.	6	30	2
322−2	Screw − Cap Hex. Hd.	18	1	2
322−3	Screw − Cap Hex. Hd.	6	25	1
322−3	Screw − Cap Hex. Hd.	25	32	6
322−3	Screw − HH	28	6	1
322−4	Screw − Cap Hex. Hd.	19	36	4
322−4	Screw − HH	17	7	2
322−5	Screw − Cap Hex. Hd.	10	36	2
322−6	Screw − Cap Hex. Hd.	26	18	4
322−8	Screw − Cap Hex. Hd.	25	21	2
322−11	Screw − HH	19	48	2
322−14	Screw − Cap Hex. Hd.	11	39	3
323−6	Screw − Cap Hex. Hd.	23	6	3
323−8	Screw − Cap Hex. Hd.	26	24	2
323−12	Screw − Cap Hex. Hd.	25	1	3
323−13	Screw − Cap Hex. Hd.	1	5	4
324−7	Screw − Cap Hex. Hd.	25	30	4
325−2	Screw − HH	17	9	4
325−11	Screw − Cap Hex. Hd.	8	9	8
3211−2	Screw − Cap Hex. Hd.	10	19	2
3217−5	Nut − Hex.	19	12	2
3217−6	Nut − Hex.	10	48	1
3217−7	Nut − Hex	13	33	3
3217−16	Nut − Hex	20	33	3
3217−25	Nut − Hex.	20	35	2
3217−27	Nut − Hex.	20	10	2
3218−13	Nut − Jam	19	8	2
3219−2	Nut − Hex.	32	6	1
3219−14	Nut − Hex.	19	7	2
3219−18	Nut − Hex.	31	2	1
3220−2	Nut − Jam	10	2	2
3220−2	Nut − Jam	1	3	5
3220−3	Nut − Jam	4	2	2
3220−3	Nut − Jam	6	2	2
3220−3	Nut − Jam	3	23	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3220−6	Nut − Jam	5	14	1
3220−20	Nut − Jam L.H. Thread	10	31	1
3229−11	Bolt − Carriage	1	10	2
3234−1	Screw − Cap Hex. Hd.	2	53	4
3234−1	Screw − Hex. Flange Hd.	10	6	4
3234−4	Screw − Cap Hex. Hd.	11	46	1
3234−24	Screw − HH	28	22	3
3241−2	Screw − Set Square Hd.	26	19	2
3241−6	Screw − Set Square Hd.	26	13	2
3253−3	Washer − Lock	25	26	4
3253−3	Washer − Lock	16	57	4
3253−4	Washer − Lock	18	2	2
3253−4	Washer − Lock	19	9	2
3253−6	Washer − Lock	25	29	4
3253−21	Washer − Lock	26	23	2
3253−21	Washer − Lock	4	27	2
3253−21	Washer − Lock	3	35	2
3253−21	Washer − Lock	6	35	2
3254−1	Washer − Lock	19	6	2
3254−5	Washer − Lock	20	15	2
3254−6	Washer − I.T.L.W.	10	18	2
3254−10	Washer − Lock, Int. Tooth	20	31	2
3255−7	Washer − Lock, Int. Tooth	20	29	1
3255−8	Washer − Lock, Int. Tooth	32	9	1
3255−20	Washer − Lock, Ext. Tooth	20	34	2
3255−24	Washer − Lock, Ext. Tooth	20	32	3
3256−1	Washer − Flat	25	18	8
3256−1	Washer − Flat	20	20	9
3256−1	Washer − Flat	2	51	9
3256−4	Washer − Flat	17	3	6
3256−22	Washer − Flat	19	3	5
3256−22	Washer − Flat	22	7	2
3256−22	Washer − Flat	8	30	2
3256−22	Washer − Flat	12	52	1
3256−23	Washer − Flat	3	2	3
3256−23	Washer − Flat	26	17	4
3256−23	Washer − Flat	4	20	3
3256−23	Washer − Flat	25	23	2
3256−23	Washer − Flat	6	28	3
3256−23	Washer − Flat	18	30	4
3256−23	Washer − Flat	19	35	4
3256−24	Washer − Flat	10	14	6
3256−24	Washer − Flat	4	26	2
3256−24	Washer − Flat	6	34	2
3256−24	Washer − Flat	3	36	2
3256−26	Washer − Flat	17	8	4
3256−26	Washer − Flat	4	12	1
3256−26	Washer − Flat	6	20	1
3256−26	Washer − Flat	3	31	1
3256−38	Washer − Flat	2	35	6
3256−63	Washer − Flat	23	7	1
3257−42	Key − Woodruff	8	11	2
3257−42	Key − Woodruff	9	17	1
3272−4	Pin − Cotter	10	13	1
3272−6	Pin − Cotter	1	30	5
3272−6	Pin − Cotter	10	41	1
3272−10	Pin − Cotter	10	47	1
3272−11	Pin − Cotter	3	5	2
3272−11	Pin − Cotter	18	9	1
3272−11	Pin − Cotter	4	13	2
3272−11	Pin − Cotter	6	19	1
3272−37	Pin − Cotter	28	1	1
3273−26	Screw − Hex. Socket Hd.	20	18	4
3274−7	Screw − Socket Hd.	25	9	2
3274−12	Screw − Hex. Socket Hd.	18	29	4
3274−15	Screw − Fillister Hd.	13	43	2
3274−19	Screw − Hex. Socket Hd.	22	6	2
3274−52	Screw − Hex, Socket Hd.	13	20	4
3274−52	Screw − Hex. Socket Hd.	15	45	6
3274−68	Screw − Hex. Socket Hd.	1	15	4
3274−69	Screw − Hex. Socket Hd.	20	1	8
3274−69	Screw − Hex. Socket Hd.	19	4	3
3274−70	Screw − Hex, Socket Hd.	13	1	2
3274−84	Screw − Cap, Hex. Hd.	16	58	4
3284−3	Pin − Groove	18	15	1
3290−314	Nut − Push	17	21	2
3290−317	Washer − Wave	3	18	2
3290−317	Washer − Wave	4	32	2
3290−317	Washer − Wave	6	40	2
3290−357	Nut − Flange Lock	25	8	3
3290−378	Tie − Cable	25	*	2
3290−379	Tie − Cable	6	46	2
3290−470	Screw − Flat Hd.	19	22	2
3296−4	Nut − Lock	10	22	2
3296−4	Nut − Lock NI	28	5	2
3296−16	Nut − Lock	22	10	4
3296−16	Nut − Lock	18	11	1
3296−16	Nut − Lock	17	18	1
3296−16	Nut − Lock	1	21	2
3296−16	Nut − Lock	20	24	9
3296−16	Nut − Lock	19	34	3
3296−16	Nut − Lock	12	49	1
3296−23	Nut − Lock	8	19	8
3296−27	Nut − Lock	20	11	4
3296−29	Nut − Hex. Lock	19	49	2
3296−29	Nut − Lock	18	8	4
3296−29	Nut − Lock	17	10	2
3296−29	Nut − Lock	26	14	4
3296−29	Nut − Lock	10	16	3
3296−29	Nut − Lock	6	29	1
3296−39	Nut − Lock	1	20	2
3296−42	Nut − Lock	8	25	8
3296−47	Nut − Lock	17	2	2
3296−59	Nut − Lock	10	15	4
3296−59	Nut − Lock	1	34	8
3296−67	Nut − Lock	28	23	1
32103−12	Nut − Wing	19	14	2
32104−76	Screw − Acorn	17	12	2
32104−76	Screw − Self Tapping	19	1	5
32104−95	Screw − Hex. Hd.	20	36	1
32108−100	Screw − Flat Hd.	8	16	1
32120−8	Ring − Retaining	5	10	1
32121−6	Pin − Roll	10	39	1
32121−6	Pin − Roll	2	41	1
32121−35	Pin − Roll	1	32	8
32121−44	Pin − Roll	17	17	1
32121−45	Pin − Roll	18	14	1
32121−45	Pin − Roll	10	28	1
32121−51	Pin − Roll	10	43	1
32122−35	Screw − Truss Head	32	8	1
32128−20	Nut − Flange Lock	11	24	3
32128−20	Nut − Flange Lock	10	27	1
32128−20	Nut − Flange Lock	25	31	8
32128−20	Nut − Lock, Flange	32	3	1
32128−33	Nut − Flange Lock	1	18	2
32128−33	Nut − Lock	8	32	1
32136−9	Nut − Hex. Slotted	28	26	1
32141−111	Nut Flange Lock	1	11	1
32144−34	Screw − Hex. Slot	22	2	6
32148−6	Insert − Threaded	1	19	8
32149−2	Nut − Keps	19	37	2
32149−7	Nut − Keps	19	41	2
32151−41	Ring − Retaining	30	13	1
32152−10	Nut − Hex.	7	2	1
32152−10	Nut − Lock	5	2	1
340−14	Fitting − Hydraulic 45˚	8	14	4
340−16	Fitting − Hydraulic 90˚	11	33	1
340−18	Fitting − Hydraulic 90˚	11	13	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
340−77	Fitting − Hydraulic 90˚	29	10	2
340−77	Fitting − Hydraulic 90˚	11	14	2
340−87	Fitting − Hydraulic 45˚	26	3	3
340−87	Fitting − Hydraulic 45˚	29	15	1
340−98	Fitting − Hydraulic 90˚	29	14	3
340−101	Fitting − Hydraulic 45˚	11	8	1
340−103	Fitting − Hydraulic 45˚	6	12	2
340−105	Fitting − Hydraulic 90˚	26	26	1
340−138	Fitting − Hydraulic 45˚	11	12	2
351−78	Edging	18	40	1
353−3	Bearing Plate Assembly	27	14	1
353−301	Poppet	13	27	1
353−302	O−Ring	15	7	3
353−302	O−Ring	13	10	3
353−303	Ring − Backup	15	8	6
353−303	Ring − Backup	13	9	6
353−304	Spring	13	28	1
353−305	O−Ring	15	5	5
353−305	O−Ring	13	8	4
353−306	Ring − Backup	15	4	5
353−306	Ring − Backup	13	7	4
353−328	Washer − Shim	13	15	A/R
353−328	Washer − Shim	15	32	A/R
353−329	Washer − Shim	13	16	A/R
353−329	Washer − Shim	15	33	A/R
353−330	Washer − Shim	13	17	A/R
353−330	Washer − Shim	15	34	A/R
353−331	O−Ring	13	29	1
353−334	Cap − Relief	13	19	2
353−334	Cap − Relief	15	36	2
353−392	Seal − Relief Poppet PTFE	13	13	2
353−392	Seal − Relief Poppet PTFE	15	30	2
353−398	Spring	15	35	1
353−417	Collar Spring	15	20	2
353−417	Collar Spring	13	40	2
353−481	Plug − Load Check	15	2	3
353−481	Plug − Load Check	13	5	3
353−483	Body − Anticavitation	16	61	1
353−484	Retainer − Ball	16	62	1
353−529	Plate Seal	15	22	1
353−531	Poppet Assembly	15	31	2
353−531	Poppet Assy.	13	14	2
353−550	Plug Assembly	15	13	1
353−563	Fitting − Hydraulic Straight	19	25	1
353−564	Fitting − Hydraulic 90˚	19	31	1
353−575	Boot − Dust Cap	13	21	2
353−575	Boot − Dust Cap	15	46	3
353−579	Spring	13	45	1
353−599	Pin − Dowel	30	3	2
353−642	Relief − RC Mod.	14	*	2
353−642	Relief − RC Mod. Assembly	16	*	1
353−668	Plate − Cap, Cover RH	15	11	1
353−721	Plug	13	35	2
353−727	Bonnet	13	2	1
353−728	Sleeve	14	50	1
353−729	Spud − Detent	13	3	1
353−730	Spring	15	42	1
353−731	Ball	15	43	1
353−732	Sleeve − Detent	14	52	1
353−733	Spacer − Bonnet	13	4	1
353−733	Spacer − Bonnet	15	19	2
353−737	Ball	16	63	1
353−758	Seal − O−Ring	13	31	1
353−760	Body Relief	13	30	1
353−762	Spud − Detent Out	14	49	1
353−766	Relief WH (2000) PSI Assy.	14	*	1
353−768	Section #1 Complete	14	*	1
353−772	Left End Cover	13	34	1
353−780	Bonnet − R. Detent	13	42	1
353−780	Cap − Adjustment	13	44	1
353−780	Positioner − R. Detent (Out)	14	*	1
353−808	Collar − Spring	15	24	1
353−830	O−Ring	15	25	1
353−831	Spring	15	21	1
353−833	Positioner Assembly	16	*	1
353−835	Seals − Section Set	16	*	1
353−837	Section #2 Complete	14	*	1
353−839	Positioner − DI (SPL) Assy.	14	*	1
353−840	Position − DI (SP) Assy.	16	*	1
353−841	Position − Spool Assembly	16	*	1
353−844	Plus Series	16	55	1
353−845	Sleeve − Detent	15	41	1
353−846	Spud − DI (SPL)	15	40	1
353−847	Bonnet (SPL)	15	38	1
353−848	O−Ring	15	14	1
353−849	Sleeve	15	39	1
353−850	O−Ring	16	56	1
353−851	Body − Relief CP−RC Mod.	13	12	1
353−851	Body − Relief CP−RC Mod.	15	29	2
353−853	Bolt − Hex Hd.	15	10	3
353−855	Spring	13	18	2
353−855	Spring	15	44	1
353−884	Key − Woodruff	27	11	5
353−886	Ring − Retaining	27	10	4
353−919	Plate − Gear Pump B	27	6	1
353−922	Seal − Ring	27	15	8
353−952	Ring − Backup	13	32	1
353−953	Plug Assembly	16	54	1
353−957	Seal − Lip	15	15	6
353−957	Seal − Lip	13	26	4
353−958	Ring − Backup	15	16	1
353−961	Flange	22	15	1
353−962	Cap	22	13	1
353−963	Gasket	22	16	2
353−967	Gear − 33B	27	16	6
353−969	Plate − Gear 33B	27	17	3
354−11	Pin − Dowel	27	3	4
354−15	Seal − Shaft	27	9	1
354−16	Washer − Lock	27	1	4
354−25	Section #4 Assembly	16	*	1
354−26	Bonnet	15	27	2
354−28	Screw − Hex, Socket Hd.	15	28	2
354−29	Plate − Thrust	14	48	1
354−46	Ring − Seal	30	8	1
354−50	Screw − Hex Socket Hd.	30	1	4
354−51	Washer	30	2	4
354−122	Disc − Seal	16	52	1
354−129	Anticavitation Check Assy.	16	*	1
354−131	Section #3 Assembly	16	*	1

*Not Illustrated

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Greensmaster 3050 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 Grensmaster 3050, 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 3050.
2. Part number, description, and the quantity of part(s) desired.

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

TABLE OF CONTENTS

Description	Page
Control Pedal Assembly	1–2
Pull Frame Assembly L.H.	3
Pull Frame Assembly R.H.	4
Hydraulic Cylinder Assembly No. 83–2580	5
Pull Frame Assembly Rear	6
Hydraulic Cylinder Assembly No. 83–7230	7
Front Wheel & Brake Assembly	8
Hydraulic Drive Motor Assembly No. 92–9199	9
Traction Controls Assembly	10
Control Valve Installation Assembly	11–12
Control Valve Assembly No. 84–2203 (Sections 1 & 2)	13–14
Control Valve Assembly No. 84–2203 (Sections 3 thru 5)	15–16
Steering Arm Assembly	17
Seat Assembly	18
Frame Assembly	19
Control Panel Assembly	20
Electrical Schematic	21
Hydraulic Reservoir Assembly	22
Fuel Tank Assembly	23
Hydraulic Schematic	24
Engine Installation Assembly	25
Hydraulic Pump Installation Assembly	26
Hydraulic Pump Assembly No. 95–5976	27
Rear Wheel Assembly	28
Reel Motor Installation Assembly	29
Reel Motor Assembly No. 94–3506	30
Special Tools	31–32
Briggs & Stratton Engine Assembly Model 303447–1179–A1	33–44
Part Number Index	45–50

MAINTENANCE RECORD

Date								