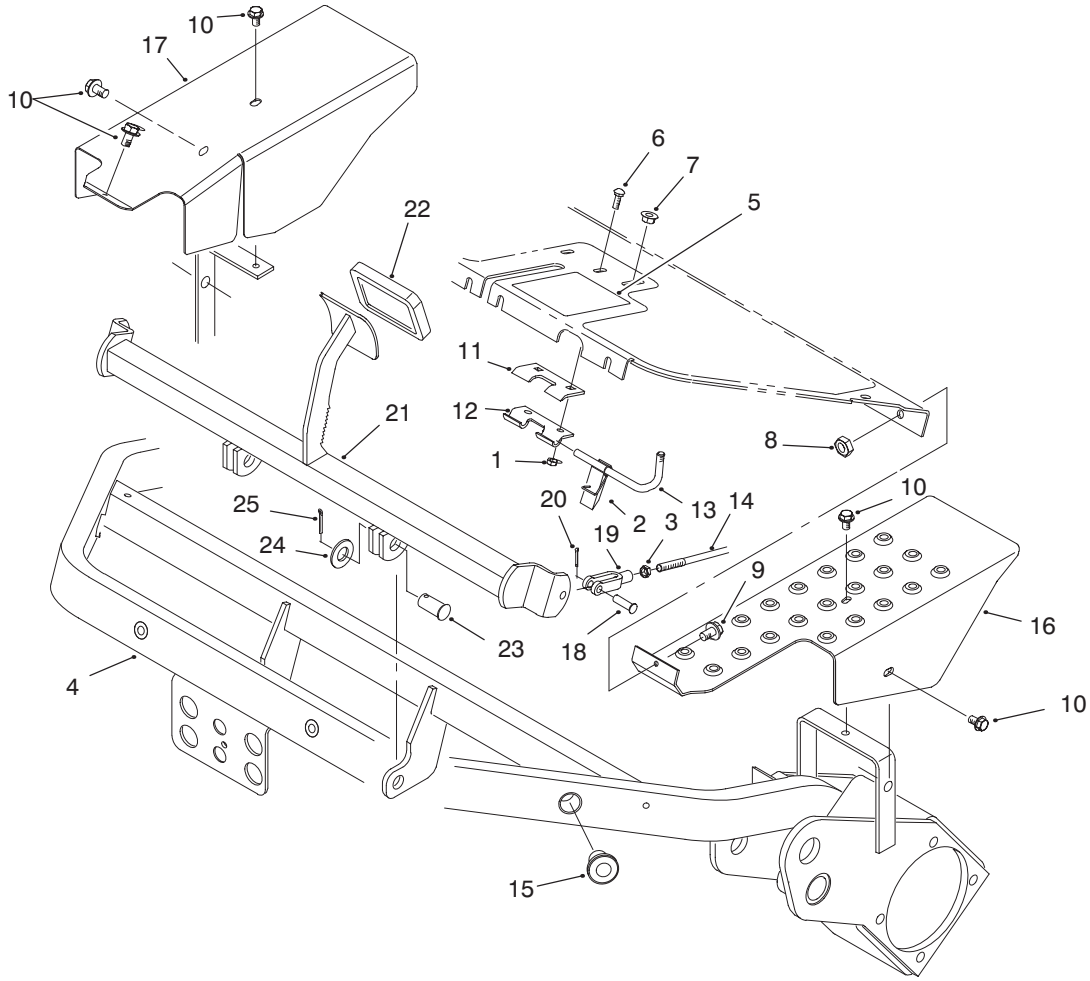
FORM NO. 3317—788 Rev. A

TORO®

MODEL NO. 04380—60001 & UP

PARTS CATALOG

GREENSMASTER® 3200
TRACTION UNIT



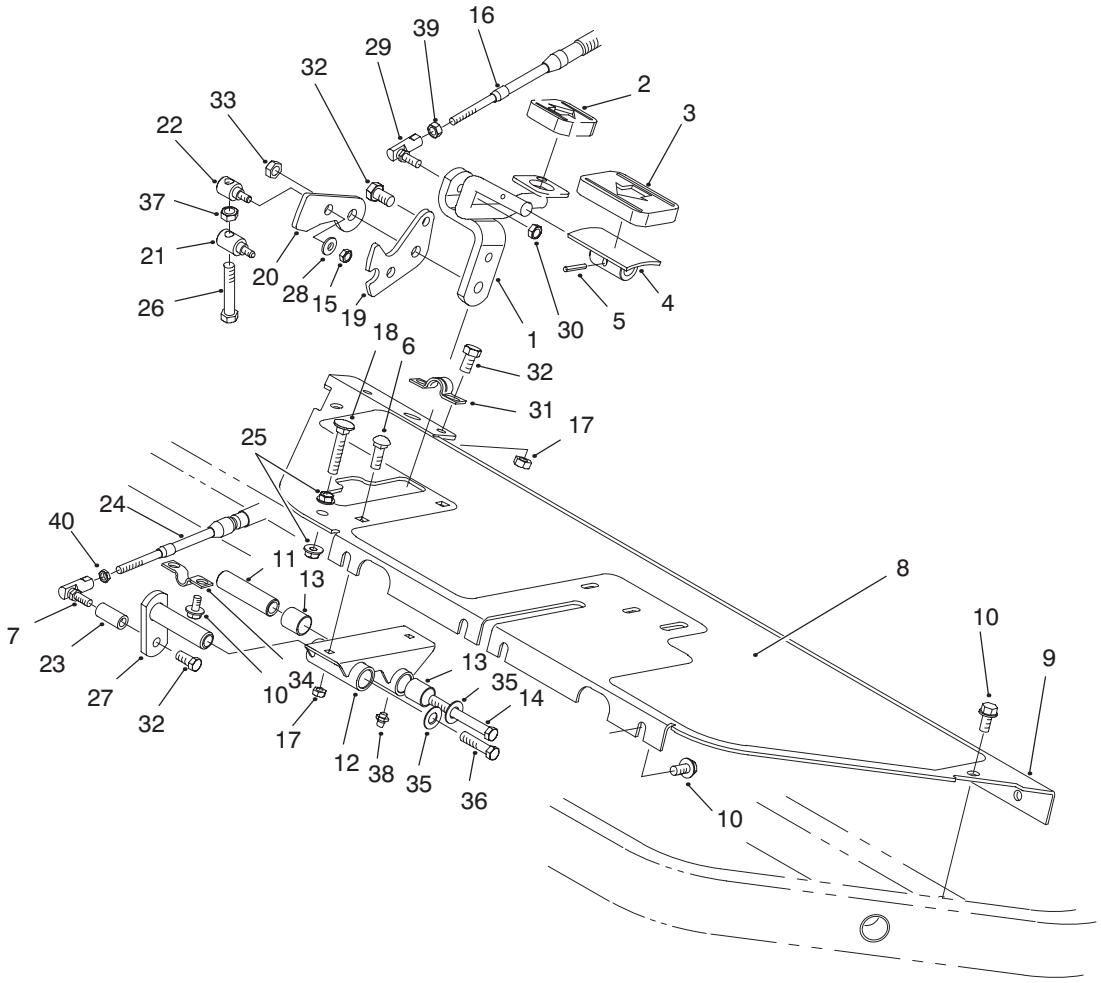
T—2222A

FRAME & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	33023—00	Nut — Lock	2
2	93—2276	Spring — Brake Latch	1
3	3220—2	Nut — Jam	2
4	93—2010	Frame	1
5	93—8062	Decal — Parking Brake	1
6	33123—016	Screw — Carriage	2
7	32141—111	Nut — Adjustable	1
8	33024—00	Nut — Lock	1
9	33114—020	Screw — HH	1
10	32144—14	Screw — HH	5
11	10—7880	Hinge — Upper	1
12	10—7890	Hinge — Lower	1
13	93—2080	Brake Latch	1

Ref. No.	Part No.	Description	No. Used
14	93—2069	Rod — Brake	2
15	83—1700	Bushing — Flange	3
16	93—2073	Shield — Wheel LH	1
17	93—2072	Shield — Wheel RH	1
18	283—61	Pin — Clevis	2
19	282—2	Clevis	2
20	3272—6	Pin — Cotter	2
21	93—2075	Brake Pedal	1
22	93—7629	Pad — Foot Brake	1
23	283—87	Pin — Clevis	2
24	3256—27	Washer — Flat	2
25	3272—11	Pin — Cotter	2

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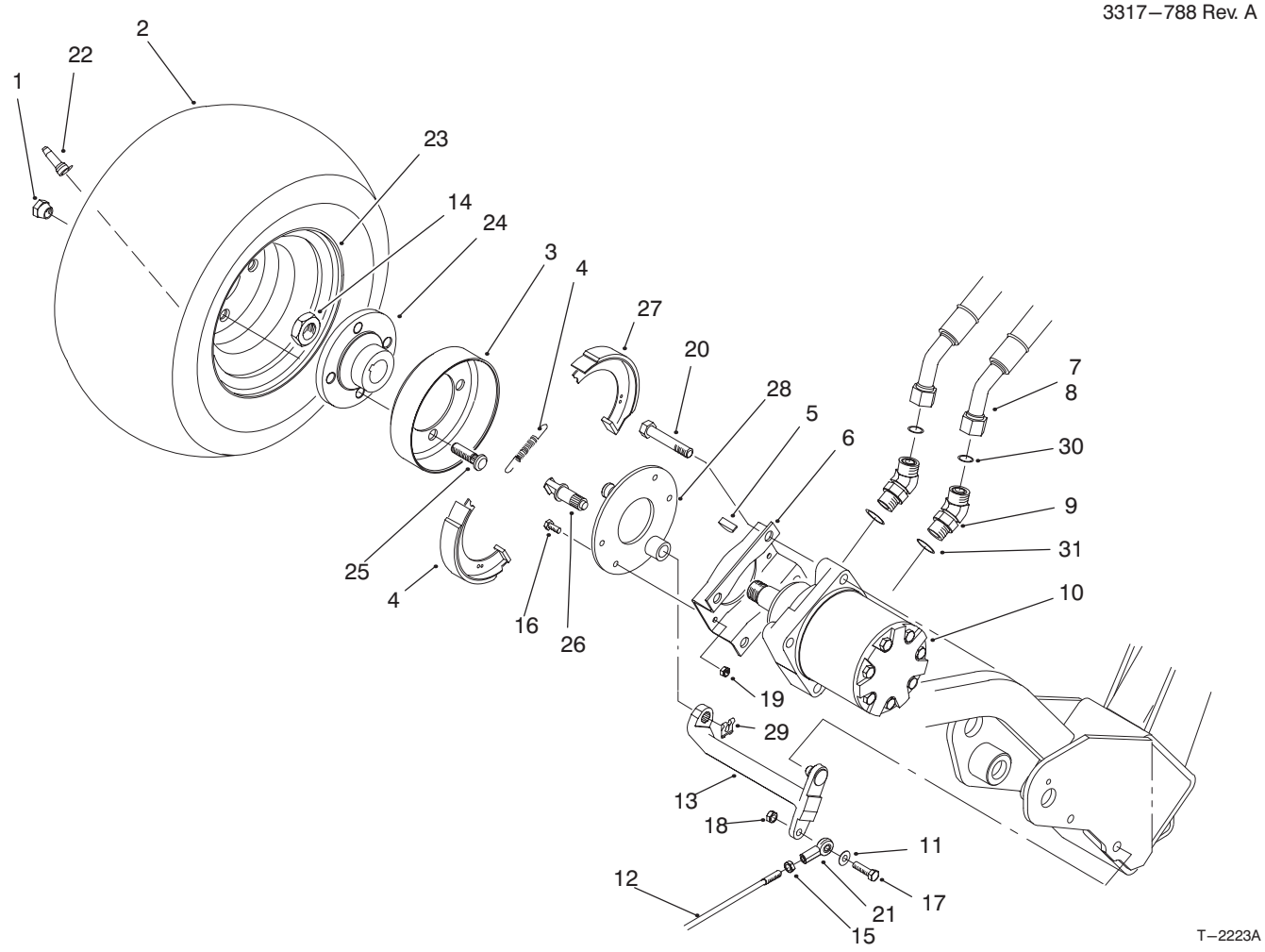


T–2242B

FLOOR PANEL & TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93–2085	Rod	1
2	74–9110	Pad – Pedal Reverse	1
3	74–9100	Pad – Pedal Forward	1
4	49–6440	Pedal – Accelerator	1
5	32121–45	Roll Pin	1
6	33124–020	Screw – Carr.	2
7	2411–38	Ball Joint Assembly	1
8	93–2142	Pad – Floor Plate	1
9	93–2141	Plate – Floor	1
10	32144–14	Screw – HH	8
11	94–1371	Spacer	1
12	94–1383	Pedal Pivot	1
13	256–311	Bushing – Straight	4
14	33115–090	Screw – HH	1
15	33023–00	Nut – Lock	2
16	93–2099	Cable – Traction Control	1
17	33024–00	Nut – Lock	4
18	17–9420	Screw – Handle	1
19	94–1373	Bracket –Lock	1
20	94–1372	Bracket – Mow	1

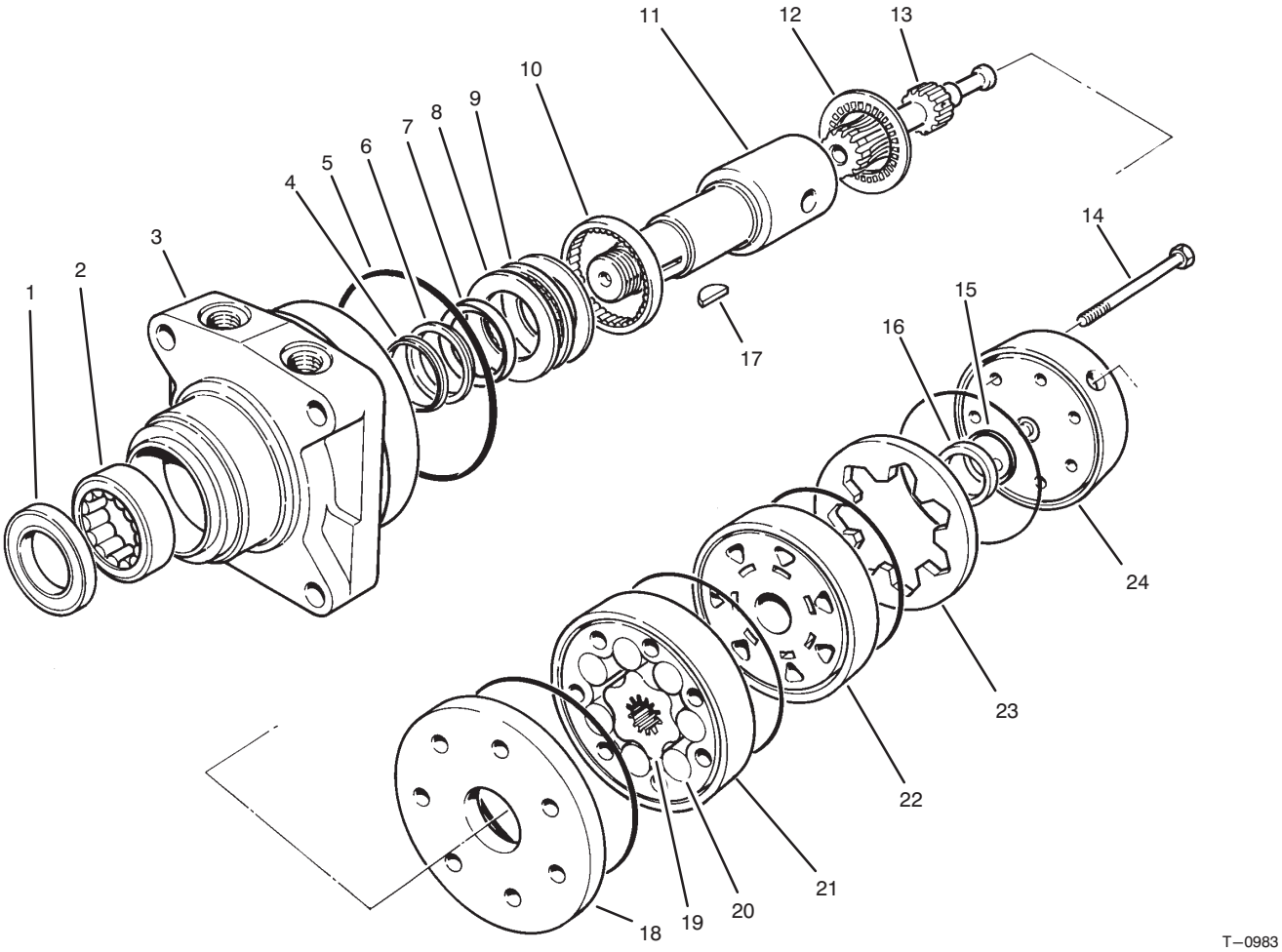
Ref. No.	Part No.	Description	No. Used
21	94–1375	Trunion Lock Bracket	1
22	94–1374	Trunion Mow Bracket	1
23	94–1386	Shaft – Pedal Lock	1
24	94–1304	Cable – Neutral Lock	1
25	32128–20	Nut – Lock	2
26	94–3489	Screw – HH	1
27	94–1300	Neutral Lock	1
28	3256–1	Washer – Flat	2
29	2411–34	Ball Joint	1
30	3296–13	Nut – Lock	1
31	93–2092	Clamp – Cable	1
32	33114–016	Screw – HH	4
33	33025–00	Nut – Lock	1
34	93–2279	Clamp – Cable	1
35	3256–24	Washer – Flat	2
36	33115–016	Screw – HH	1
37	33014–00	Nut – Hex	1
38	302–5	Fitting – Grease	1
39	3220–1	Nut – Jam	1
40	3219–14	Nut – Hex.	1



FRONT WHEEL & BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242–50	Nut – Lug	8
2	28–3680	Tire	2
3	10–6850	Drum – Brake	2
4	70–9880	Spring – Return	4
5	3257–42	Key – Woodruff	2
6	84–2000	Bracket – Brake	2
7	94–5357	Hose Assembly – RH	2
8	94–5358	Hose Assembly – LH	2
9	340–14	Fitting – 45˚ (Incl. Ref. #30–31)	4
10	92–9199	Hydraulic Motor – Wheel	2
11	3256–23	Washer – Flat	2
12	93–2069	Rod – Brake	2
13	93–2096	Lever – Brake	2
14	26–3790	Nut – Lock	2
15	3220–20	Nut – Jam	2
16	33113–020	Screw – HH	8
17	33114–030	Screw – HH	2
18	33024–00	Nut – Lock NI	2
19	33023–00	Nut – Lock NI	8
20	33116–060	Screw – HH	8
21	93–2070	Clevis – Swivel	2
22	232–24	Stem – Valve	2
23	217–60	Rim	2
24	10–6870	Hub – Wheel	2
25	85–6540	Stud – Drive	8
26	70–9860	Cam – Brake	2
27	70–9840	Shoe – Brake	4
28	70–9870	Plate – Backing	2
29	70–9850	Clip – Retaining	2
30	237–65	O–Ring	4
31	237–80	O–Ring	4
*	10–6821	Brake Drum Assembly (Incl. Ref. #3 & 24–25)	2
*	71–1500	Brake Assembly (Incl. Ref. #4 & 26–29)	2

*Not Illustrated



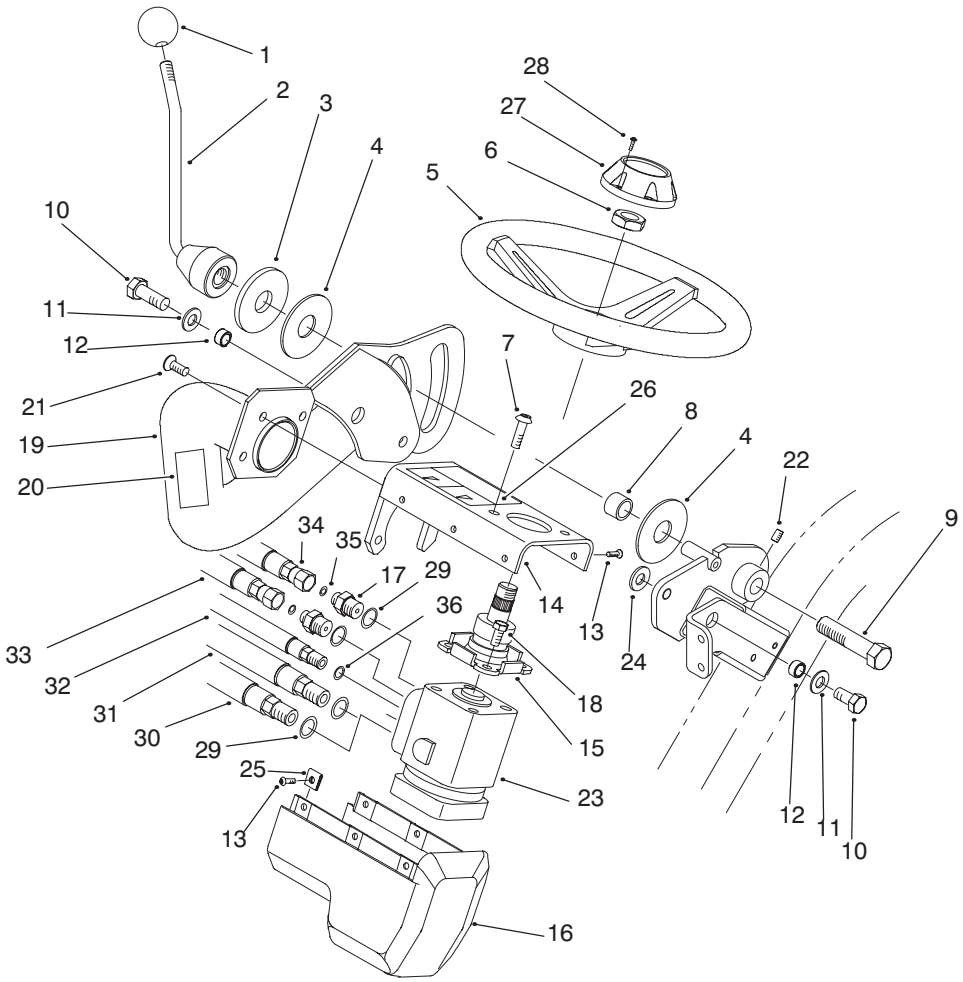
T–0983

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92–9199

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

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

*Not Illustrated
†Not Serviced Seperately

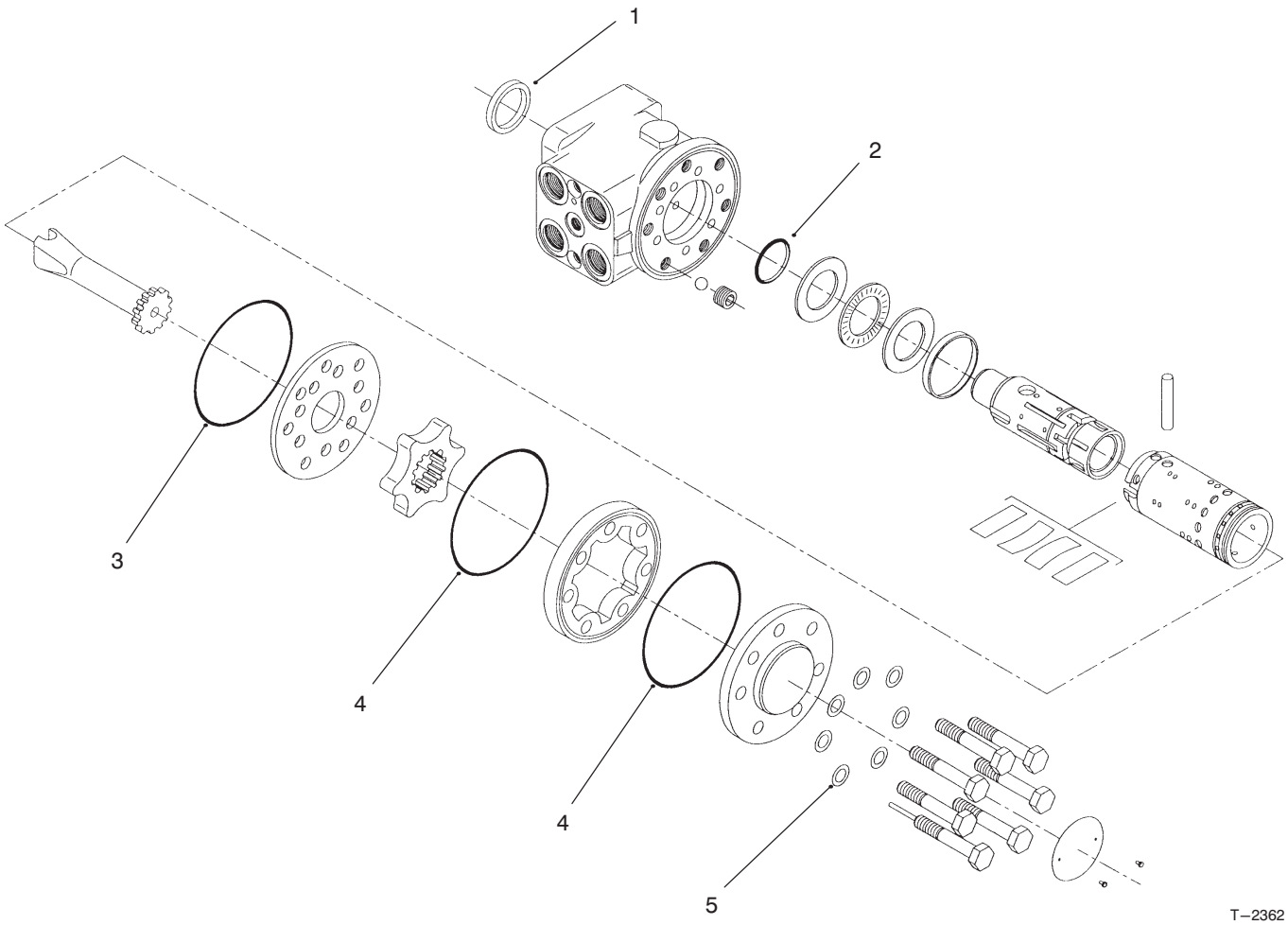


T−2224A

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233−48	Knob	1
2	93−2400	Lockup Handle	1
3	83−0760	Spacer − Lockup	1
4	83−0740	Disc − Friction	2
5	68−5130	Wheel − Steering (Incl. Ref. #27−28)	1
6	47−6990	Nut − Steering Wheel	1
7	3274−63	Screw − HSBH	2
8	83−0730	Spacer − Lockup	1
9	93−2199	Screw − HH	1
10	325−4	Screw − HH	2
11	3256−26	Washer − Flat	2
12	47−2890	Bushing	2
13	3274−39	Screw − HSBH	6
14	94−3461	Steering Cover	1
15	83−1420	Steering Column Assembly	1
16	83−0810	Cover − Steering Valve	1
17	340−133	Fitting − Hydraulic (Incl. Ref. #29−30)	2

Ref. No.	Part No.	Description	No. Used
18	323−4	Screw − HH	2
19	93−2115	Steering Arm	1
20	93−8068	Decal − Steering Arm	1
21	3274−80	Screw − HSBH	3
22	3242−2	Screw − Set	1
23	93−2120	Steering Control Valve	1
24	65−6390	Washer − Thrust	1
25	3290−277	Nut − Speed	6
26	93−8063	Decal − Warning	1
27	68−5140	Cap − Steering Wheel	1
28	32144−21	Screw − Phillips Pan Head	2
29	237−79	O−Ring	4
30	93−2272	Hose Assembly	1
31	93−2252	Hose Assembly	1
32	93−2269	Hose Assembly	1
33	93−2270	Hose Assembly	1
34	93−2271	Hose Assembly	1
35	237−21	O−Ring	2
36	237−42	O−Ring	1

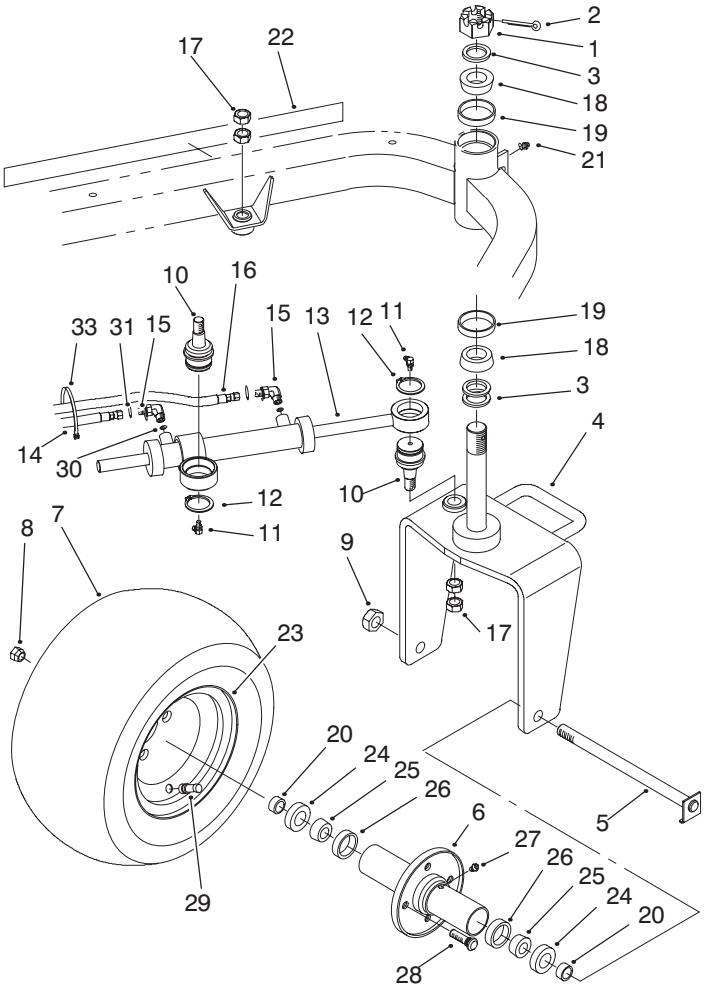


STEERING CONTROL VALVE NO. 93−2120

Ref. No.	Part No.	Description	No. Used
†1		Ring − Dust Seal	1
†2		O−Ring	1
†3		O−Ring	1
†4		O−Ring	2

Ref. No.	Part No.	Description	No. Used
†5		Washer	7
*	94−4929	Kit − Seal (Incl. Ref. #1−5)	1

† Not Serviced Separately.



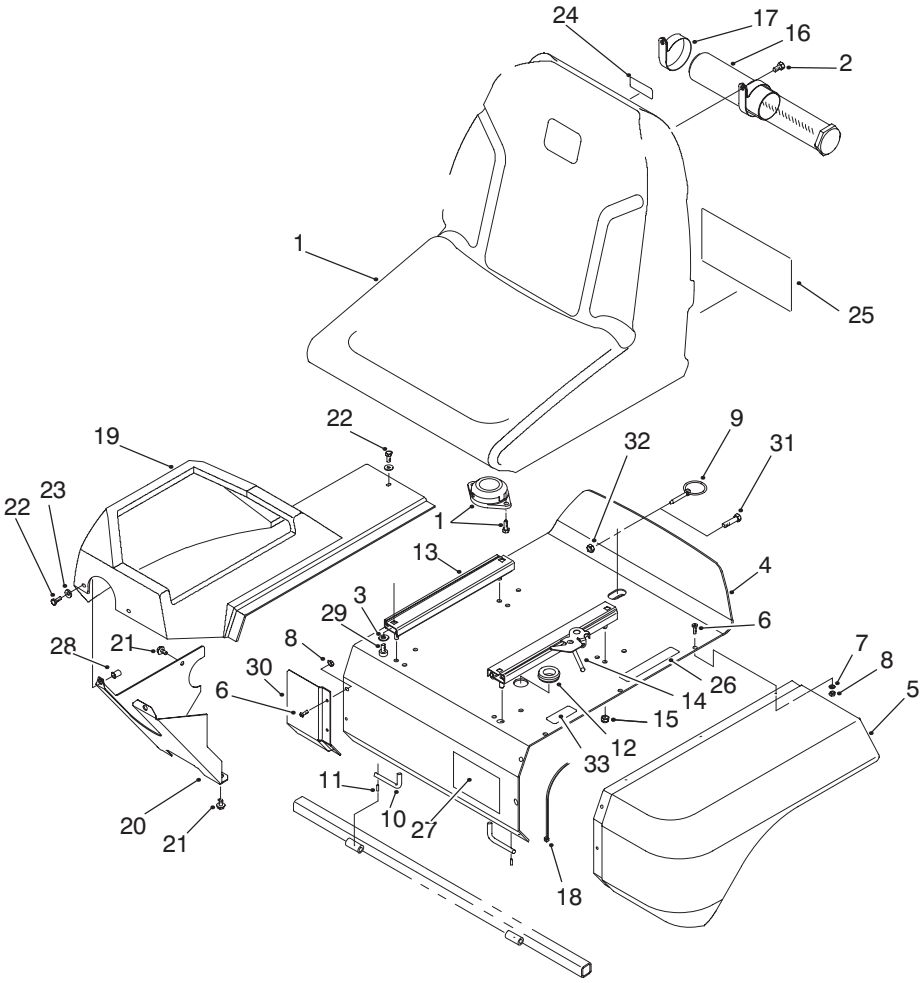
T−2225A

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32136−9	Nut − Hex	1
2	3272−37	Pin − Cotter	1
3	18−6320	Washer − Steering	3
4	93−2125	Castor Fork	1
5	5−3934	Bolt	1
6	75−9440	Hub − Wheel	1
7	28−3680	Tire	1
8	242−50	Nut − Lug	4
9	3296−67	Nut − Lock NI	1
10	92−5838	Ball Joint	2
11	302−60	Fitting − Grease, 90˚	2
12	32151−104	Ring − Retaining, Ext.	2
13	93−2122	Cylinder Asm − Steering (Incl. Ref. #32)	1
14	93−2270	Hose Assembly	1
15	340−132	Fitting − Hydraulic	2
16	93−2269	Hose Assembly	1

Ref. No.	Part No.	Description	No. Used
17	3220−6	Nut − Jam	4
18	254−70	Bearing Cone	2
19	254−61	Bearing − Cup	2
20	74−3730	Spacer − Cylinder	2
21	302−5	Fitting − Grease, Str.	1
22	93−2234	Decal − GR3200	2
23	217−60	Rim	1
24	253−111	Seal − Shaft	2
25	254−78	Cone − Bearing	2
26	254−79	Cup − Bearing	2
27	302−55	Fitting − Grease	1
28	10−6830	Stud − Drive	4
29	232−27	Valve Stem w/Cap	1
30	237−78	O−Ring	2
31	237−21	O−Ring	2
*32	94−4398	Kit − Seal, Repair	1
33	3290−378	Tie − Cable	1

*Not Illustrated



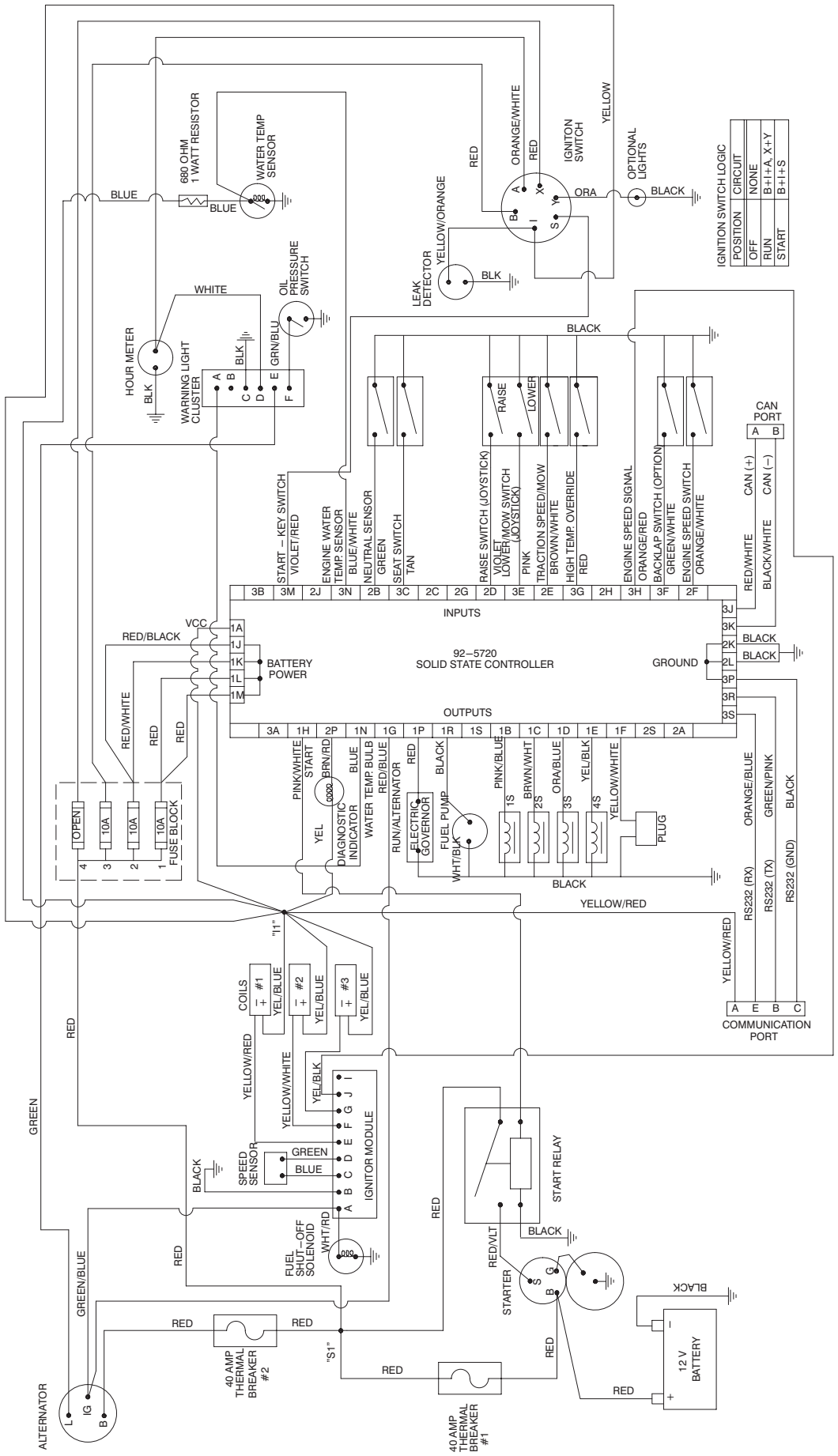
T–2226B

SEAT ASSEMBLY

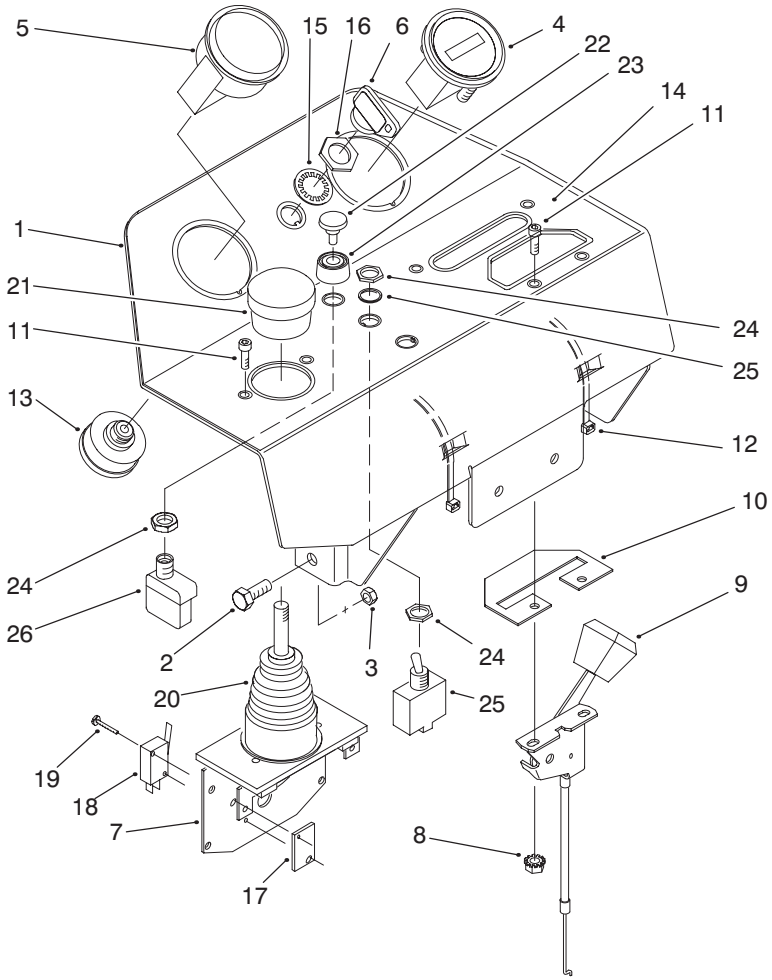
Ref. No.	Part No.	Description	No. Used
1	92–6280	Seat	1
2	322–2	Screw – HH	2
3	3256–23	Washer – Flat	4
4	93–2135	Support – Seat	1
5	93–2128	Panel – Seat Base	1
6	3274–39	Screw – HSBH	9
7	3256–77	Washer – Flat	6
8	3296–12	Nut – Lock	9
9	283–72	Pin – Lynch	1
10	93–2422	Rod – Seat Pivot	2
11	32121–7	Pin – Spring	2
12	237–100	Grommet	1
13	92–8990	Adjuster	1
14	92–8991	Adjuster w/Latch	1
15	3296–29	Nut – Lock	4
16	74–0720	Tube – Manual	1
17	2412–133	Clamp – R	2
18	3290–378	Tie – Cable	1
19	93–2578	Shroud – Console	1
20	94–4547	Panel – Lower	1
21	32144–14	Screw – HH	2
22	33113–016	Screw – HH	3
23	3256–1	Washer – Flat	3

Ref. No.	Part No.	Description	No. Used
24	93–6686	Decal – Hydraulic Oil	1
25	94–1352	Decal – Service	1
25	94–4550	Decal – Service (Danish)	1
25	94–4551	Decal – Service (Dutch)	1
25	94–4552	Decal – Service (Finnish)	1
25	94–4553	Decal – Service (French)	1
25	94–4554	Decal – Service (German)	1
25	94–4555	Decal – Service (Italian)	1
25	94–4556	Decal – Service (Japanese)	1
25	94–4557	Decal – Service (Norwegian)	1
25	94–4558	Decal – Service (Portuguese)	1
25	94–4559	Decal – Service (Spanish)	1
25	94–4560	Decal – Service (Swedish)	1
26	93–6689	Decal – No Rider	1
27	94–2579	Decal – Toro	1
28	93–5447	Insert – Threaded	2
29	3274–12	Screw – HSH	4
30	94–4546	Panel – Extension	1
31	33113–030	Screw – HH (Europe)	1
32	33023–00	Nut – Lock NI (Europe)	1
33	93–7252	Decal – CE Mark	1

ELECTRICAL SCHEMATIC



T–2267B

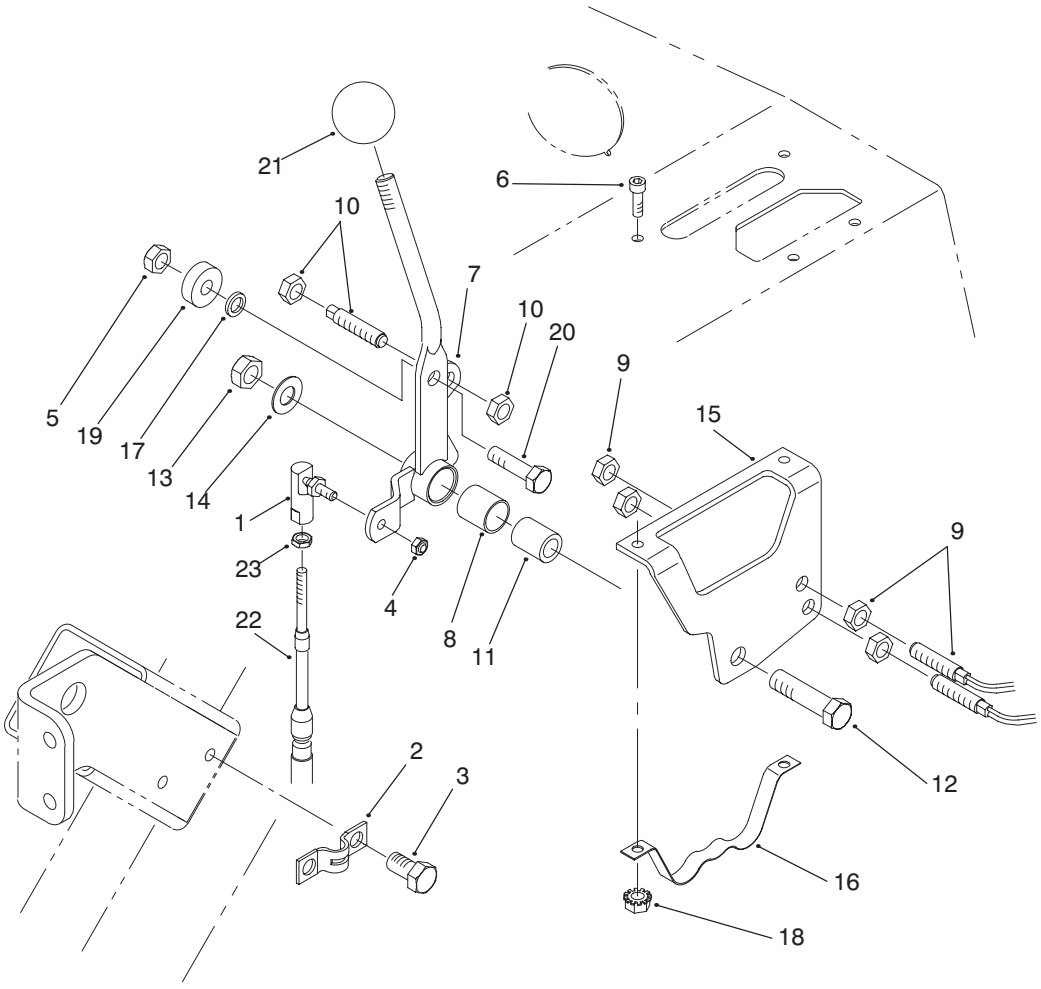


T−2235A

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−6953	Console	1
2	33114−020	Screw − HH	4
3	33024−00	Nut − Lock NI	4
4	66−2950	Gauge − Hour Meter	1
5	93−7053	Warning Light Cluster	1
6	63−8360	Key − Ignition	2
7	75−3420	Lever − Control (Incl. Ref. #17−21)	1
8	32149−8	Nut − Keps	2
9	93−2329	Control − Choke	1
10	85−9190	Plate − Control	1
11	3273−26	Screw − HSH	4
12	3290−378	Tie − Cable	2
13	27−2360	Switch − Ignition (Incl. Ref. #15−16)	1
14	93−2232	Decal − Console	1

Ref. No.	Part No.	Description	No. Used
15	218−446	Washer − Lock	1
16	218−447	Nut − Hex.	1
17	3290−354	Plate − Nut	2
18	218−590	Switch − Micro	2
19	3290−93	Screw − HH	4
20	3290−488	Boot − Control, Lift	1
21	3290−489	Knob − Control, Lift	1
22	43−6280	Button − Push	1
23	43−6420	Bezel	1
24	218−498	Nut − Lock	3
25	218−589	Washer − Lock	1
26	75−1010	Switch (Incl. Ref. #24 & 25)	1
27	72−9760	Switch − Override (Incl. Ref. #24)	1



T–2265

TRACTION HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2411–38	Ball Joint	1
2	93–2279	Clamp – Cable	1
3	33113–008	Screw – HH	2
4	3296–27	Nut – Lock	1
5	33024–00	Nut – Lock NI	1
6	3273–26	Screw – HSH	2
7	94–1353	Handle	1
8	256–311	Bushing – Straight	1
9	93–2055	Reed Switch – Sensor	2
10	93–2056	Reed Switch – Actuator	1
11	94–1378	Tube – Handle Pivot	1
12	33115–040	Screw – HH	1

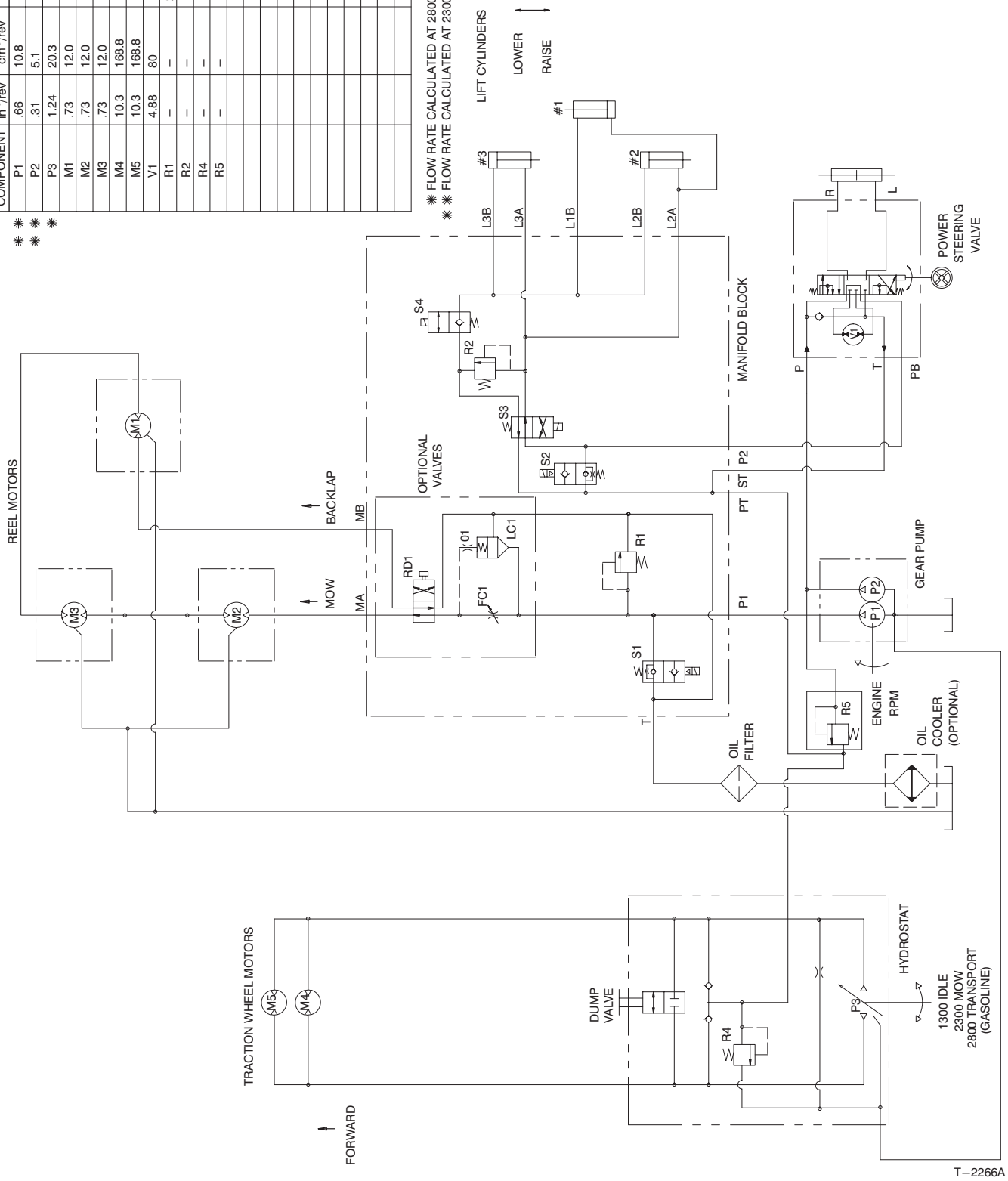
Ref. No.	Part No.	Description	No. Used
13	33025–00	Nut – Lock NI	1
14	3256–24	Washer – Flat	1
15	93–2058	Bracket – Traction	1
16	93–2064	Spring – Detent	1
17	75–5470	Spacer	1
18	32149–8	Nut – Keps	2
19	251–259	Bearing – Ball	1
20	33114–030	Screw – HH	1
21	233–42	Knob	1
22	94–1304	Cable – Neutral Lock (Incl. Ref. #23)	1
23	3219–14	Nut – Jam	1

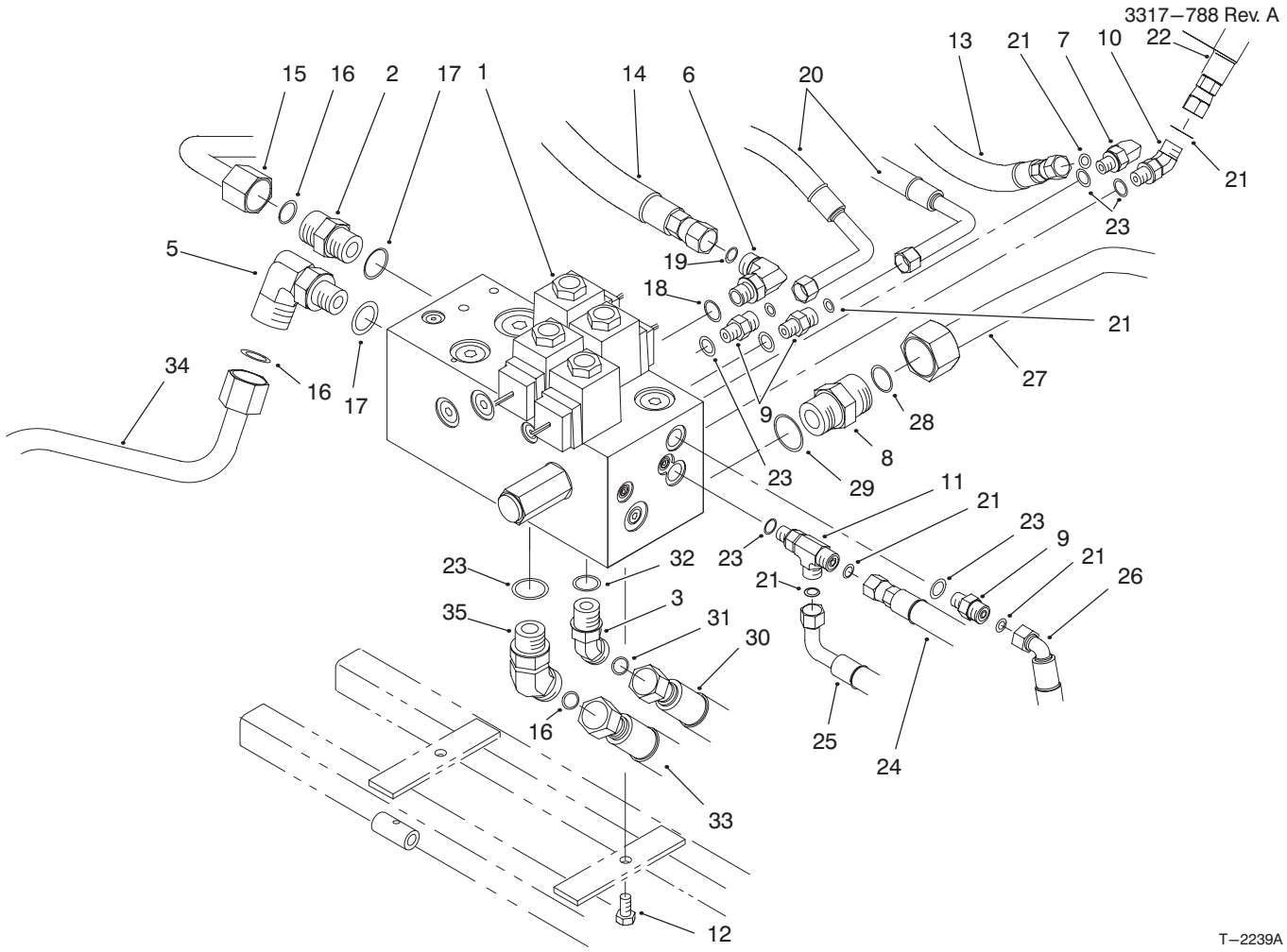
HYDRAULIC SCHEMATIC

DISPLACEMENT, FLOW RATE, AND PRESSURE CHART						
	DISPLACEMENT		PRESSURE		FLOW RATE	
COMPONENT	in^3/rev	cm^3/rev	lbs/in^2	BARS	GPM	LPM
P1	.66	10.8	–	–	6.4	24.2
P2	.31	5.1	–	–	3.0	11.4
P3	1.24	20.3	–	–	14.8	55.8
M1	.73	12.0	–	–	–	–
M2	.73	12.0	–	–	–	–
M3	.73	12.0	–	–	–	–
M4	10.3	168.8	–	–	–	–
M5	10.3	168.8	–	–	–	–
V1	4.88	80	–	–	–	–
R1	–	–	2400	166	–	–
R2	–	–	150	10	–	–
R4	–	–	100	7	–	–
R5	–	–	1000	69	–	–

✱ FLOW RATE CALCULATED AT 2800 RPM AND 98% EFFICIENCY
✱✱ FLOW RATE CALCULATED AT 2300 RPM AND 98% EFFIDIENCY

✱✱✱
✱✱

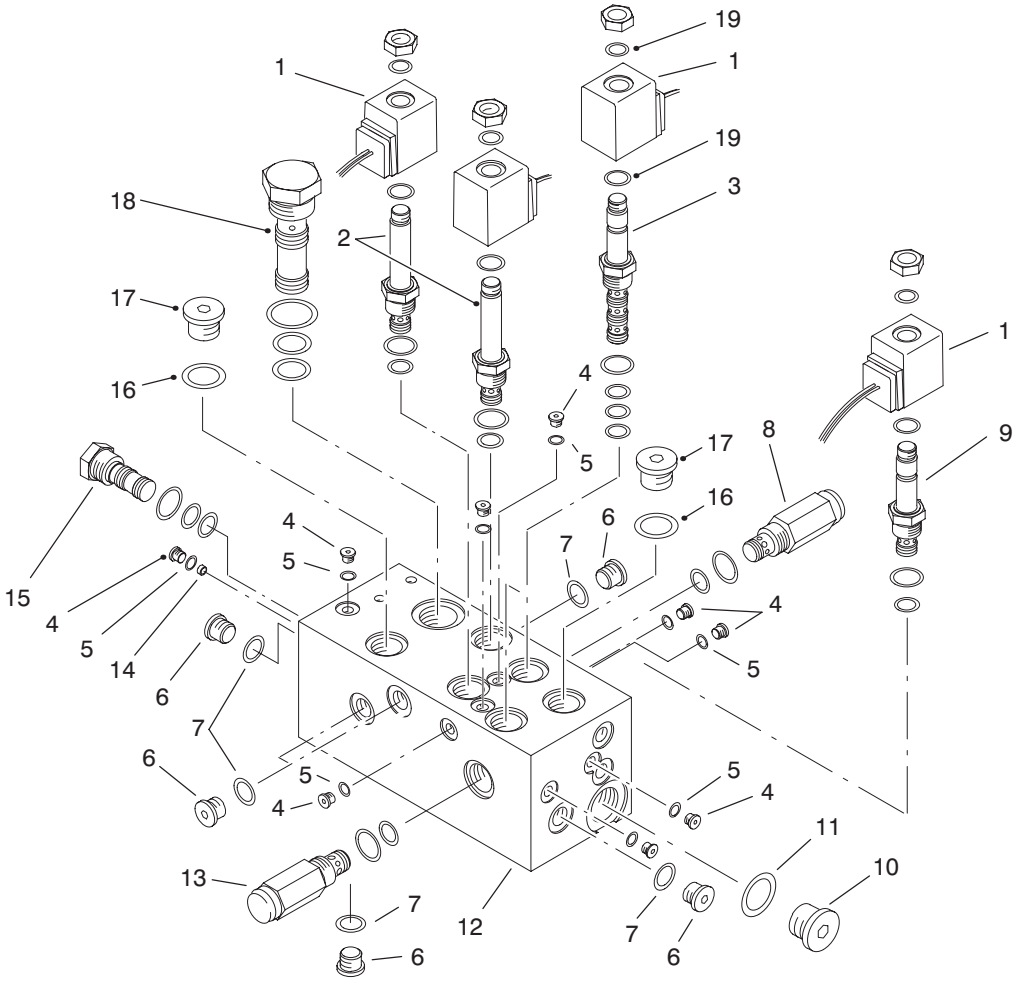




MANIFOLD INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2240	Manifold Assembly	1
2	340−7	Fitting − Hydraulic (Incl. Ref. #16−17)	1
3	340−138	Fitting − Hydraulic 45° (Incl. Ref. #31−32)	1
5	340−17	Fitting − Hydraulic 90° (Incl. Ref. #16−17)	1
6	340−77	Fitting − Hydraulic 90° (Incl. Ref. #18−19)	1
7	340−132	Fitting − Hydraulic 90° (Incl. Ref. #21 & 23)	1
8	340−9	Fitting − Hydraulic (Incl. Ref. #28−29)	1
9	340−92	Fitting − Hydraulic (Incl. Ref. #21 & 23)	3
10	340−103	Fitting − Hydraulic 45° (Incl. Ref. #21 & 23)	1
11	340−140	Tee − Hydraulic (Incl. Ref. #21 & 23)	1
12	33114−016	Screw − HH	2
13	93−2271	Hose Assembly	1
14	93−2272	Hose Assembly	1

Ref. No.	Part No.	Description	No. Used
15	94−1317	Tube − Hydraulic	1
16	237−65	O−Ring	3
17	237−80	O−Ring	2
18	237−42	O−Ring	1
19	237−22	O−Ring	1
20	93−2254	Tube − Hydraulic	2
21	237−21	O−Ring	7
22	94−3477	Hose Assembly	1
23	237−78	O−Ring	7
24	93−2258	Hose Assembly	1
25	93−2256	Hose Assembly	1
26	93−2255	Hose Assembly	1
27	94−4518	Tube − Hydraulic	1
28	237−58	O−Ring	1
29	237−81	O−Ring	1
30	94−1331	Hose Assembly	1
31	237−30	O−Ring	1
32	237−79	O−Ring	1
33	94−1332	Hose Assembly	1
34	94−1320	Tube − Hydraulic	1
35	340−14	Fitting − Hydraulic (Incl. Ref. #16 & 23)	1



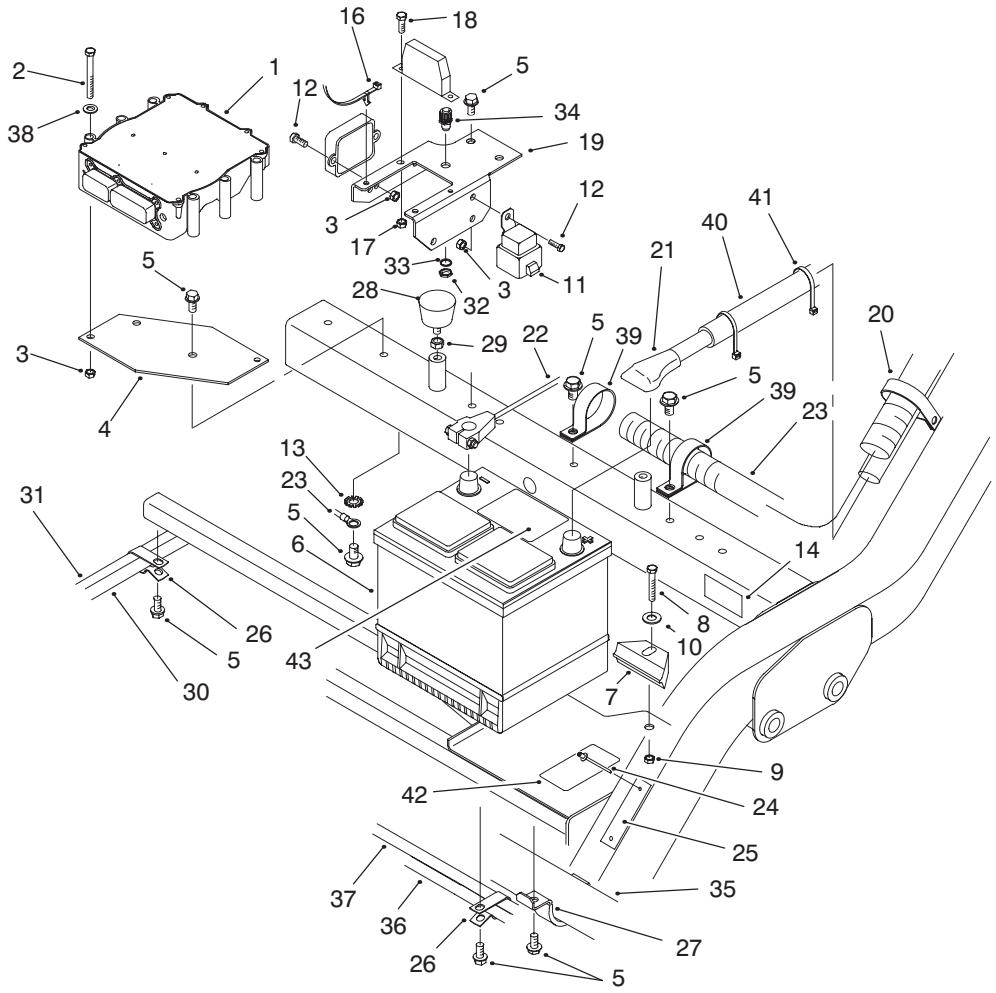
T−2251A

MANIFOLD ASSEMBLY NO. 93−2240

Ref. No.	Part No.	Description	No. Used
1	88−9190	Solenoid − 20 Watt	4
2	93−7494	Cartridge − N.O. Poppet (Use Seal Kit #75−2080)	2
3	94−2627	Cartridge (Use Seal Kit #75−2090)	1
4	353−991	Plug (Incl. Ref. #5)	9
5	237−156	O−Ring	9
6	353−989	Plug (Incl. Ref. #7)	6
7	237−42	O−Ring	6
8	75−2010	Cartridge − Relief 2000 psi (Use Seal Kit #75−2080)	1
9	92−6315	Cartridge − N.C. (Use Seal Kit #75−2080)	1
10	353−988	Plug (Incl. Ref. #11)	1
11	237−79	O−Ring	1

Ref. No.	Part No.	Description	No. Used
†12		Body − Manifold	1
13	94−6351	Cartridge − Relief 150 psi (Use Seal Kit #75−2080)	1
14	94−6354	Plug − Orifice	1
15	94−6353	Cartridge Valve Assembly (use Seal Kit #69−4240)	1
16	237−80	O−Ring	2
17	354−70	Plug (Incl. Ref. #16)	2
18	94−6352	Plug − Cavity (Use Seal Kit #94−3661)	1
19	94−5438	Seal − Solenoid	8
*	75−2080	Seal Kit	5
*	69−4240	Seal Kit	1
*	75−2090	Seal Kit	1
*	94−3661	Seal Kit	1

*Not Illustrated
†Not Serviced Seperately



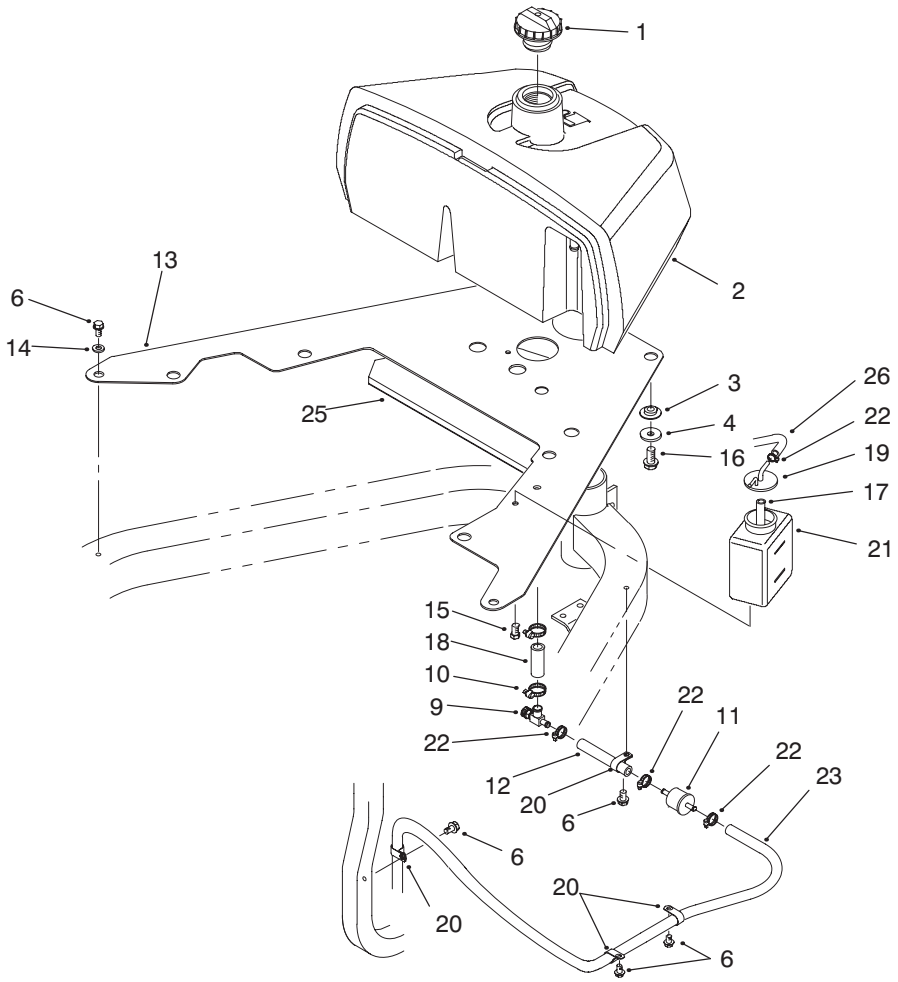
T−2238A

BATTERY & CONTROLLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−5720	Controller − Electronic Note: This part must be programmed with Part No. 94−7342 by distributor before installation.	1
2	33113−070	Screw − HH	2
3	33023−00	Nut − Lock NI	5
4	93−2089	Bracket − Controller	1
5	32144−14	Screw − HH	13
6	66−2750	Battery	1
7	66−2490	Retainer − Battery	1
8	33115−040	Screw − HH	1
9	33025−00	Nut − Lock NI	1
10	3256−24	Washer − Flat	1
11	70−1480	Relay	1
12	33113−016	Screw − HH	3
13	3254−2	Washer − Lock	1
14	88−1270	Decal − Safety Standard	1
16	94−1325	Push Mount Tie	2
17	3296−2	Nut − Lock	2
18	32105−13	Screw − HH	2
19	93−2123	Bracket − Fuse Block	1
20	2412−104	Clamp − R	3
21	93−2343	Cable − Battery, Positive	1

Ref. No.	Part No.	Description	No. Used
22	93−2344	Cable − Battery, Negative	1
23	93−2349	Wire Harness (Incl. Ref. #32−34)	1
24	3290−415	Rivet − Pop	2
†25		Serial Plate	1
26	92−5753	Clamp − Hose, Double	2
27	93−2036	Clamp − Air Hose	1
28	68−3270	Bumper − Rubber	2
29	3218−2	Nut − Jam	2
30	93−2269	Hose Assembly	1
31	93−2270	Hose Assembly	1
†32		Nut − Lock	1
†33		Washer − Lock	1
34	85−4491	Lamp − Diagnostic	1
35	93−2035	Hose − Air Cleaner	1
36	93−2255	Hose Assembly	1
37	93−2256	Hose Assembly	1
38	3256−22	Washer − Flat	2
39	2412−39	Clamp − R	2
40	94−4519	Tube − Convoluted	1
41	3290−378	Tie − Cable	2
42	93−6668	Decal − Battery	1
43	93−7276	Decal − Danger	1

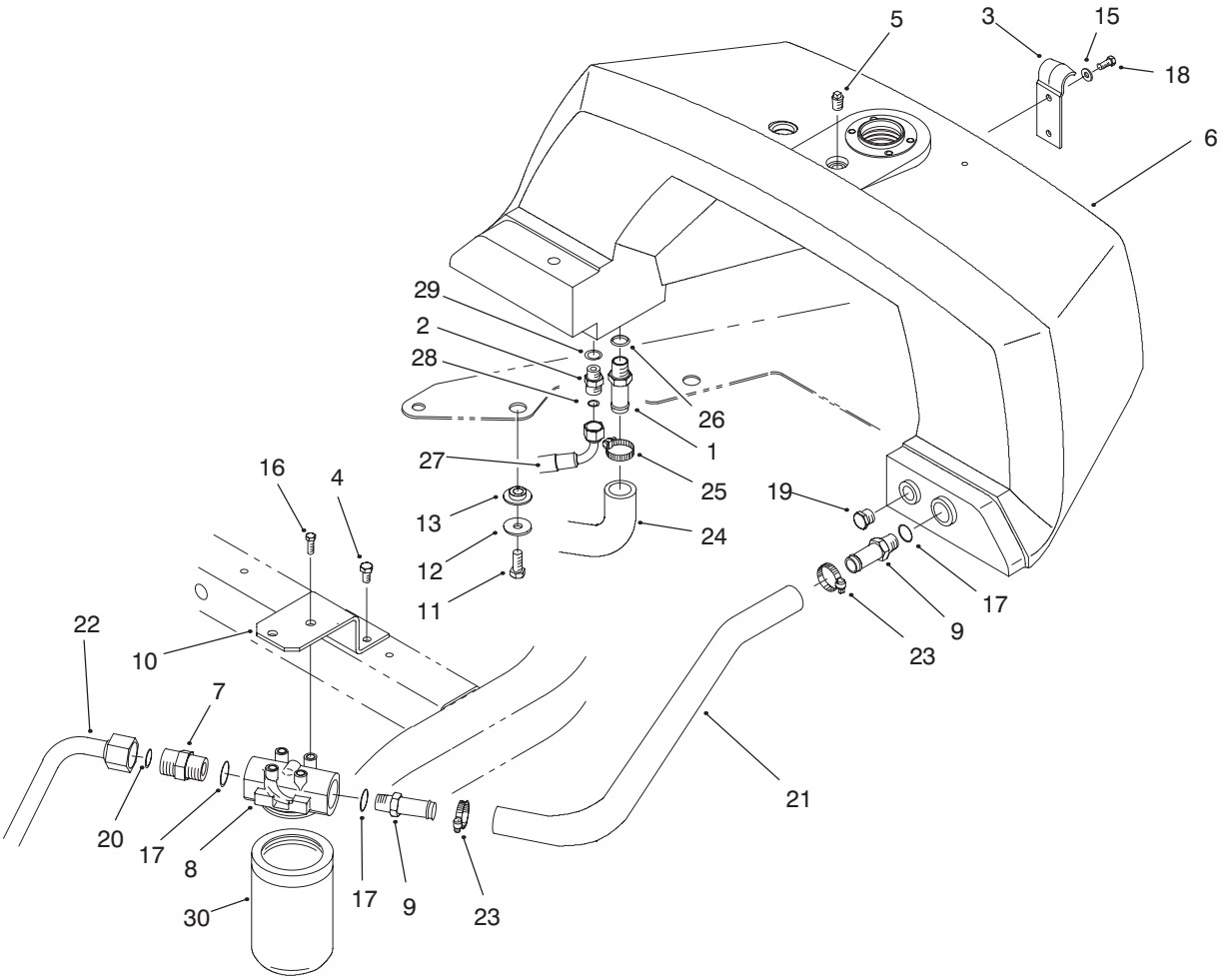
†Not Serviced Seperately



FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−3101	Cap − Fuel	1
2	93−2224	Tank − Fuel, Gasoline	1
3	240−11	Grommet	3
4	63−8410	Washer − Flat	3
6	32144−14	Screw − HH	7
9	83−1390	Fitting − Fuel Shutoff	1
10	2412−36	Clamp − Hose	2
11	94−2690	Filter − Fuel	1
12	93−2227	Hose − Fuel	1
13	94−1364	Plate	1
14	3256−23	Washer − Flat	2

Ref. No.	Part No.	Description	No. Used
15	33114−016	Screw − HH	2
16	33115−025	Screw − HH	3
17	94−1348	Hose − Tank, Recovery	1
18	94−4353	Hose − Fuel	1
19	93−2048	Cap − Overflow Tank	1
20	2412−41	Clamp − R	4
21	93−2049	Tank − Overflow	1
22	2412−108	Clamp − Hose	4
23	93−2228	Hose − Fuel	1
25	94−3474	Pad − Thermal	1
26	93−2260	Hose − Expansion Tank	1

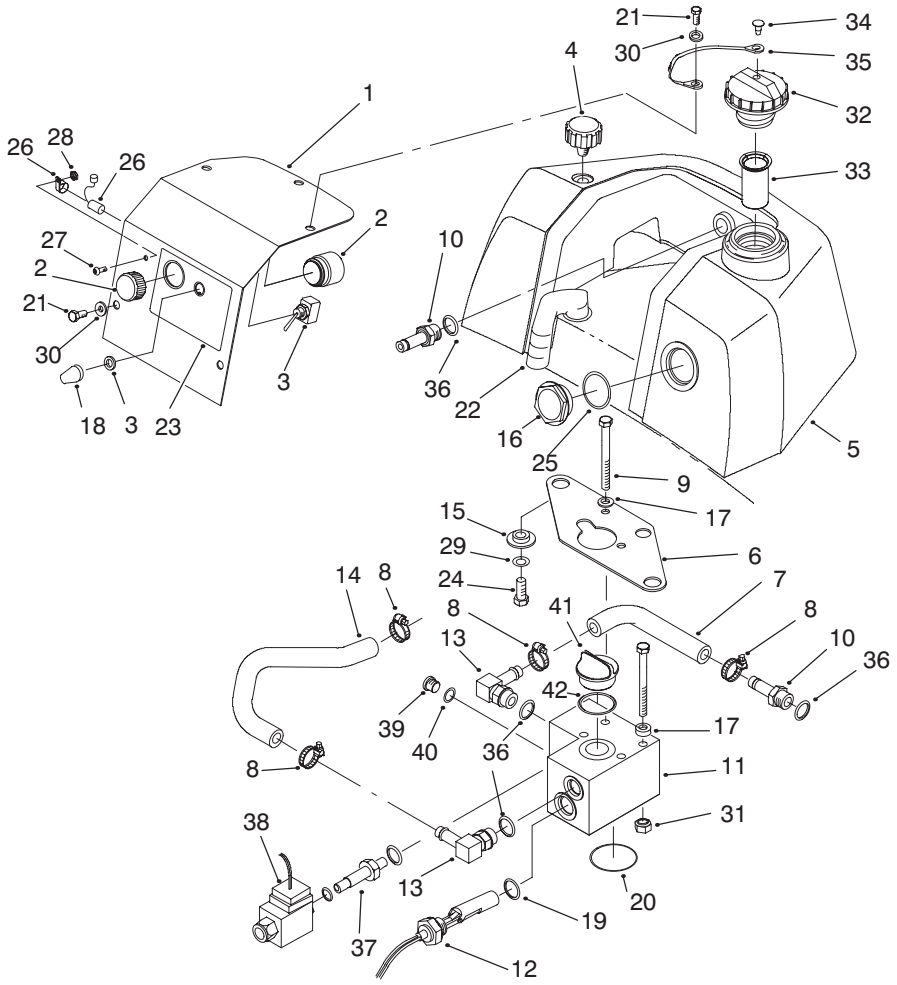


T−2233A

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354−78	Fitting − Barb (Incl. Ref. #26)	1
2	340−2	Fitting − Hydraulic (Incl. Ref. #28−29)	1
3	93−2438	Clamp − Fuel Tank	1
4	32144−14	Screw − HH	2
5	281−10	Plug − Pipe	1
6	93−2235	Tank − Hydraulic	1
7	340−9	Fitting − Hydraulic (Incl. Ref. #17 & 20)	1
8	93−2242	Filter Assembly − Oil (Incl. Ref. #30)	1
9	354−73	Fitting − Hydraulic (Incl. Ref. #17)	2
10	93−2236	Mount − Oil Filter	1
11	33115−025	Screw − HH	4
12	63−8410	Washer − Flat	4

Ref. No.	Part No.	Description	No. Used
13	240−11	Grommet	4
15	3256−1	Washer − Flat	2
16	33115−020	Screw − HH	2
17	237−81	O−Ring	3
18	33113−016	Screw − HH	2
19	353−988	Plug	1
20	237−58	O−Ring	1
21	94−4517	Hose − Formed	1
22	94−4518	Tube − Hydraulic	1
23	2412−129	Clamp − Hose	2
24	93−2068	Hose − Pump Inlet	1
25	2412−34	Clamp − Hose	1
26	237−146	O−Ring	1
27	94−4539	Hose Assembly	1
28	237−22	O−Ring	1
29	237−42	O−Ring	1
30	75−1310	Element	1



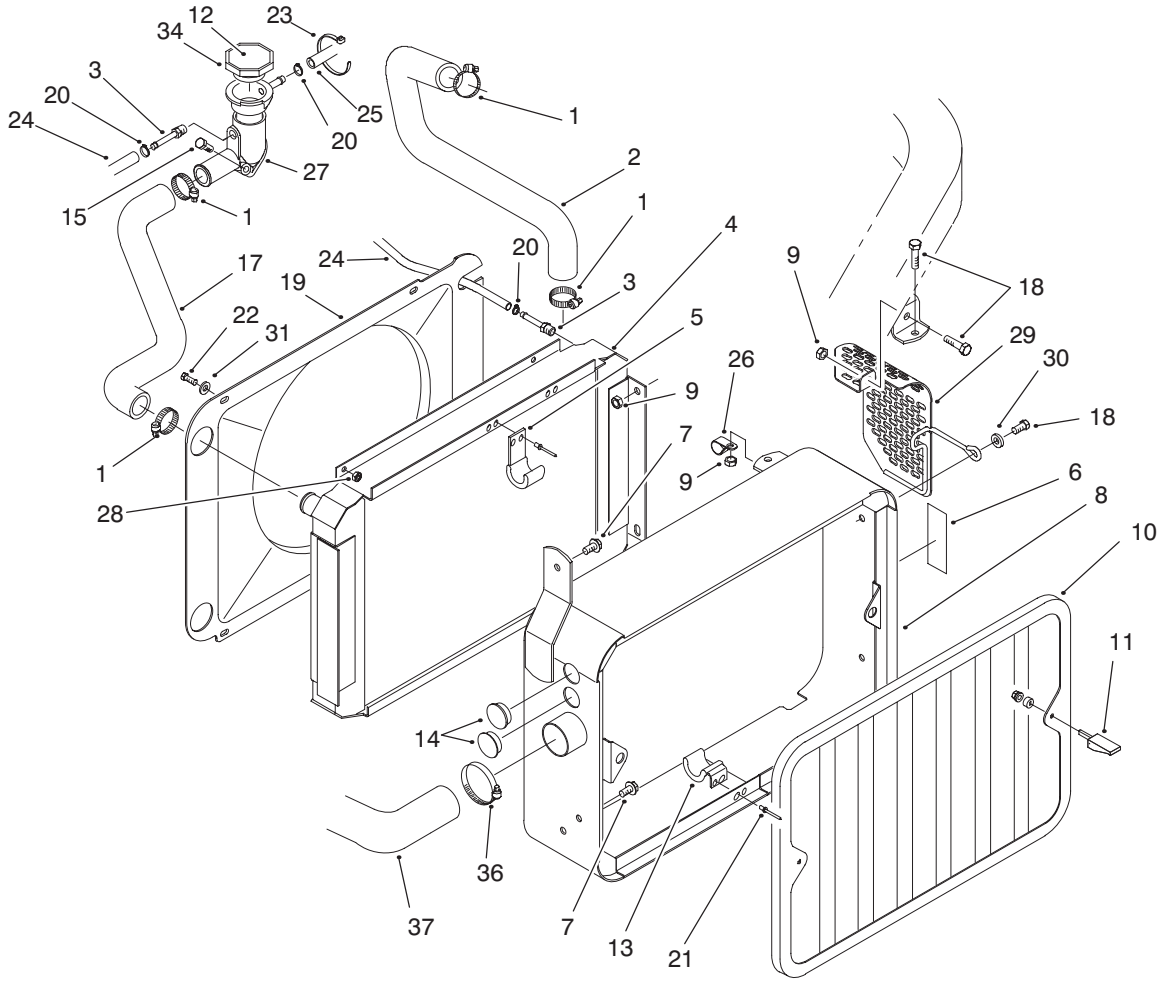
T−2234B

LEAK DETECTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2435	Plate − Cover	1
2	80−9330	Alarm − Audio	1
3	20−7150	Switch − Toggle	1
4	68−6150	Breather − Air	1
5	93−2429	Tank − Leak Detection	1
6	94−8165	Plate − Mounting	1
7	93−2434	Hose − Formed, Outlet	1
8	2412−36	Clamp − Hose	4
9	33114−090	Screw − HH	4
10	354−121	Fitting − Barb (Incl. Ref. #36)	2
11	93−2430	Valve Assembly (Incl. Ref. #37−42)	1
12	83−1450	Sensor − Oil Level	1
13	354−120	Fitting − Barb (Incl. Ref. #36)	2
14	93−2433	Hose − Formed, Inlet	1
15	240−11	Grommet	2
16	83−2250	Guage − Sight	1
17	3256−23	Washer − Flat	2
18	218−473	Boot − Toggle Switch	1
19	237−80	O−Ring	1
20	93−2432	O−Ring	1
21	33113−016	Screw − HH	5

Ref. No.	Part No.	Description	No. Used
22	94−1350	Harness − Leak Detector	1
23	93−2436	Decal − Leak Detector	1
24	33115−025	Screw − HH	2
25	237−123	O−Ring	1
26	83−2280	Timer − Delay	1
27	3274−39	Screw − HSBH	1
28	3296−12	Nut − Lock	1
29	63−8410	Washer − Flat	2
30	3256−1	Washer − Flat	5
31	33024−00	Nut − Lock NI	4
32	93−7160	Cap − Hydraulic Oil (Incl. Ref. #34−35)	1
33	93−2275	Screen − Filler	1
†34		Plug	1
†35		Tether	1
36	237−79	O−Ring	4
†37		Spool − Valve	1
†38		Coil − Valve	1
39	353−990	Plug (Incl. Ref. #40)	1
40	237−78	O−Ring	1
41	93−7498	Plug − Plastic	1
42	94−8166	O−Ring	1
43	73−3540	Washer − Flat	2

† Not Serviced Seperately.

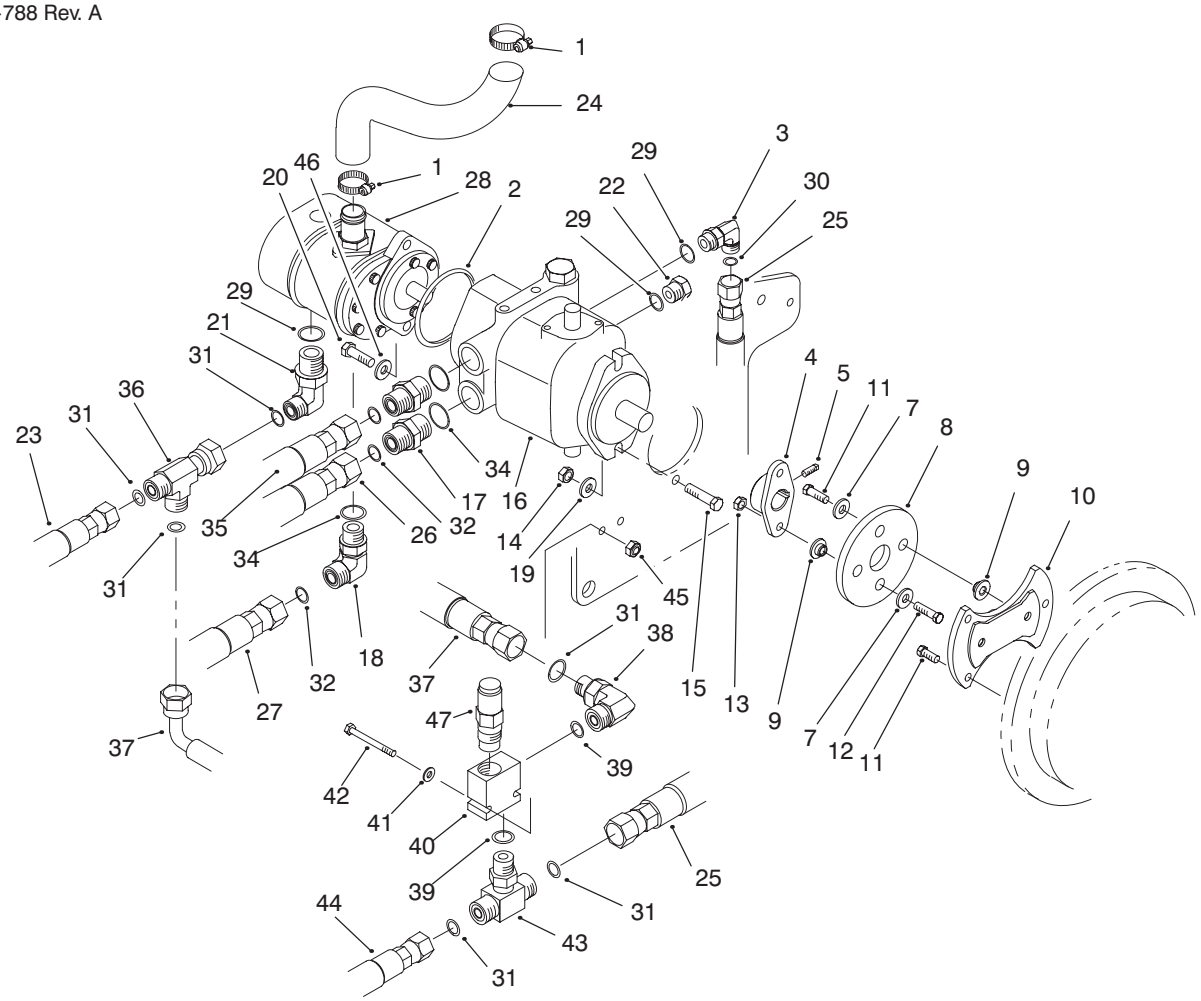


T−2229B

RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−34	Clamp − Hose	4
2	93−2033	Hose − Radiator	1
3	93−2071	Fitting − Hose Barb	2
4	93−2300	Radiator	1
5	93−2425	Bracket − Cooler, Upper	2
6	93−6681	Decal − Warning, Fan	1
7	32144−14	Screw − HH	2
8	93−2310	Radiator Support	1
9	33024−00	Nut − Lock NI	6
10	93−2050	Screen	1
11	74−5950	Latch − Swell	2
12	93−7840	Decal − Radiator Cap	1
13	93−2424	Bracket − Cooler, Lower	2
14	94−4528	Plug	2
15	33113−020	Screw − HH	2
17	93−2018	Hose − Radiator	1
18	33114−020	Screw − HH	6

Ref. No.	Part No.	Description	No. Used
19	93−2320	Shroud − Fan	1
20	2412−108	Clamp − Hose	3
21	3269−15	Rivet − Pop	8
22	33113−016	Screw − HH	4
23	3290−378	Tie − Cable	1
24	94−4522	Hose − Breather	1
25	93−2260	Hose − Expansion Tank	1
26	2412−41	Clamp − R	1
27	93−2448	Housing − Thermostat	1
28	33023−00	Nut − Lock NI	4
29	94−6370	Alternator Guard Assembly	1
30	3256−23	Washer	1
31	3256−22	Washer − Flat	4
34	66−3240	Cap − Radiator	1
36	2412−92	Clamp − Hose	1
37	93−2035	Hose − Air Cleaner	1

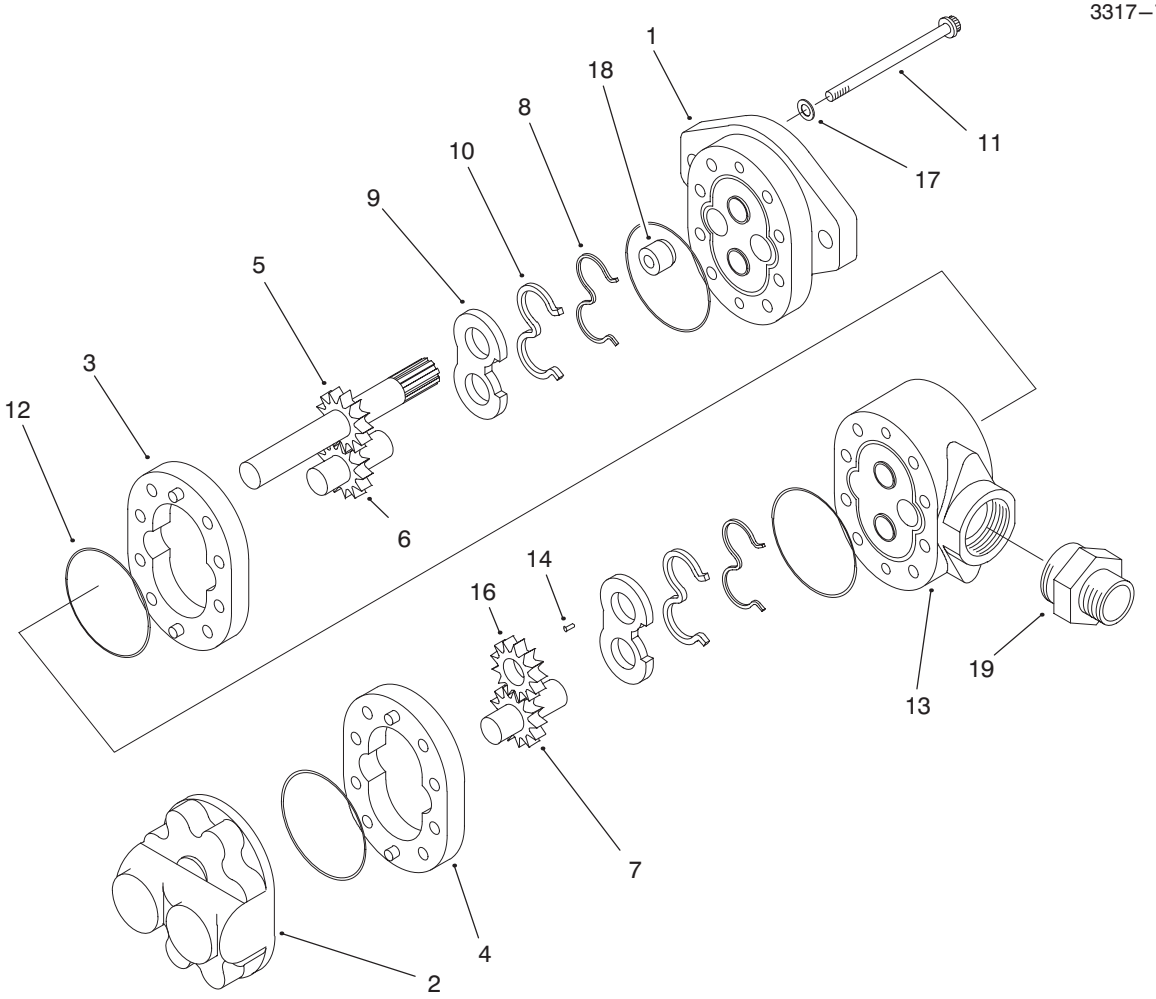


T−2227A

HYDRAULIC PUMP & HYDROSTAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−34	Clamp − Hose	2
2	94−8168	O−Ring	1
3	340−98	Fitting − Hydraulic 90° (Incl. Ref. #29−30)	1
4	93−2589	Hub − Pump	1
5	3241−6	Screw − SQH	2
7	3256−3	Washer − Flat	4
8	80−8650	Coupling − Rubber	1
9	27−6600	Spacer − Coupling	4
10	93−2220	Pump Adapter	1
11	33114−020	Screw − HH	5
12	33114−030	Screw − HH	2
13	33024−00	Nut − Lock NI	2
14	33025−00	Nut − Lock NI	2
15	33115−040	Screw − HH	2
16	93−2586	Hydrostat	1
17	340−8	Fitting − Hydraulic (Incl. Ref. #32 & 34)	2
18	340−139	Fitting − Hydraulic 90° (Incl. Ref. #32 & 34)	1
19	3256−24	Washer − Flat	4
20	3274−1	Screw − HH	2
21	340−18	Fitting − Hydraulic (Incl. Ref. #29 & 31)	1
22	353−988	Plug (Incl. Ref. #29)	1

Ref. No.	Part No.	Description	No. Used
23	93−2252	Hose Assembly	1
24	94−8174	Hose − Pump Inlet	1
25	94−6384	Hose Assembly	1
26	94−5355	Hose Assembly	1
27	94−1332	Hose Assembly	1
28	94−6391	Gear Pump − 2 Section	1
29	237−79	O−Ring	3
30	237−30	O−Ring	1
31	237−22	O−Ring	6
32	237−65	O−Ring	3
34	237−81	O−Ring	3
35	94−5356	Hose Assembly	1
36	340−115	Fitting − Tee	1
37	94−8167	Hose Assembly	1
38	340−77	Fitting − Hydraulic (Incl. Ref. #31 & 39	1
39	237−42	O−Ring	2
40	94−6385	Valve − Relief (Incl. Ref. #47)	1
41	3256−22	Washer − Flat	2
42	33113−050	Screw − HH	2
43	340−94	Fitting − Tee	1
44	94−6383	Hose Assembly	1
45	33023−00	Nut − Lock	2
46	3256−24	Washer − Flat	2
47	94−6386	Cartridge − Relief Valve	1



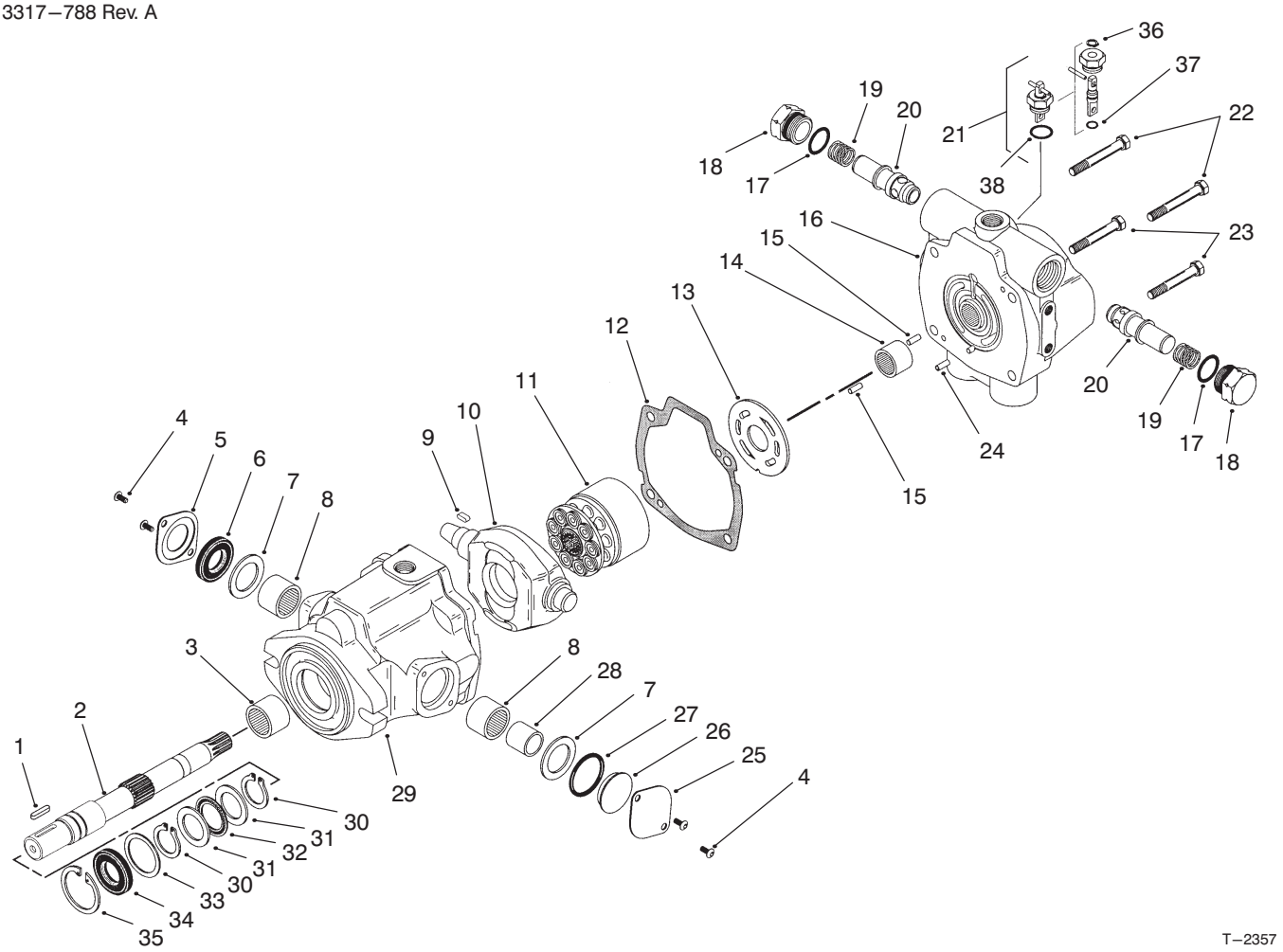
T–2392

GEAR PUMP ASSEMBLY NO. 94–6391

Ref. No.	Part No.	Description	No. Used
†1		Plate – Front	1
†2		Plate – Back	1
†3		Body	1
†4		Body	1
†5		Gear – Drive	1
†6		Gear – Idler	1
†7		Gear – Idler	1
†8		Gasket – Backup	2
†9		Plate – Wear	2
†10		Seal – Pressure	2
11	94–8158	Screw – Cap	8

Ref. No.	Part No.	Description	No. Used
†12		O–Ring	4
†13		Plate – Adapter	1
†14		Key	1
†15		Tube	1
†16		Gear	1
17	94–8160	Washer	4
18	94–3011	Plug	1
†19		Fitting – Suction	1
*	94–8161	Kit – Seal Repair (Incl. Ref. #8–10 & 14)	1

† Not Serviced Separately.
* Not Illustrated.



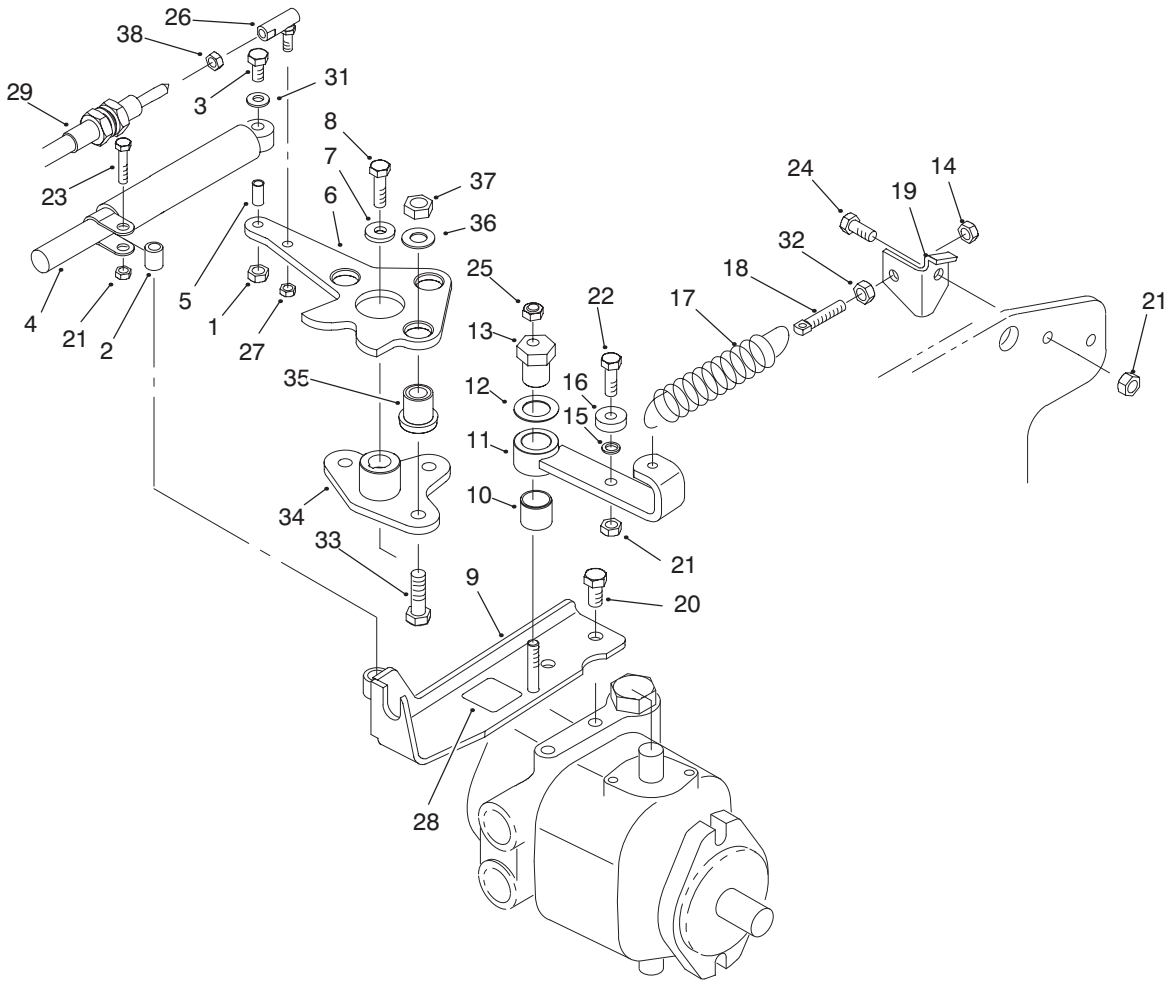
T−2357

HYDROSTAT ASSEMBLY NO. 93−2586

Ref. No.	Part No.	Description	No. Used
1	94−3645	Key	1
2	94−6359	Shaft − Drive	1
3	94−6363	Bearing	1
4	60−6330	Screw	4
5	76−6080	Seal − Cover	1
6	76−6190	Seal − Shaft	1
7	76−6180	Washer	2
8	252−95	Bearing − Thrust	2
9	94−3646	Key	1
10	94−3643	Plate − Cam	1
11	76−6070	Rotating Kit Assembly	1
†12		Gasket	1
13	94−6360	Plate − Valve	1
14	94−6368	Bearing	1
15	76−6150	Pin − Dowel	2
16	94−6361	Back Plate Assembly (Incl. Ref. #14 & 24)	1
†17		O−Ring	4
18	70−1240	Plug Assembly (Incl. Ref. #17)	2
19	76−6200	Spring	2
20	94−3644	Seat	2

Ref. No.	Part No.	Description	No. Used
21	39−2080	Dump Valve Assembly	1
22	76−6170	Screw − Cap	2
23	76−6160	Screw − Cap	2
†24		Pin − Roll	1
25	76−6090	Cover − Trunion	1
26	76−6100	Cover − Trunion O−Ring	1
27	76−6140	O−Ring	1
28	33−3750	Race − Inner	1
29	94−3641	Housing Assembly (Incl. Ref. #3)	1
30	32151−29	Ring − Retaining	2
31	252−71	Race − Bearing	2
32	252−66	Bearing − Thrust	1
33	33−3720	Washer	1
34	42−2720	Seal − Shaft	1
35	32151−13	Ring − Retaining	1
†36		Ring − Retaining	1
†37		O−Ring	1
†38		O−Ring	1
*	94−6362	Seal Repair Kit (Incl. Ref. #6, 12, 17, 27, 30 & 34−38	1

* Not Illustrated
† Not Serviced Separately

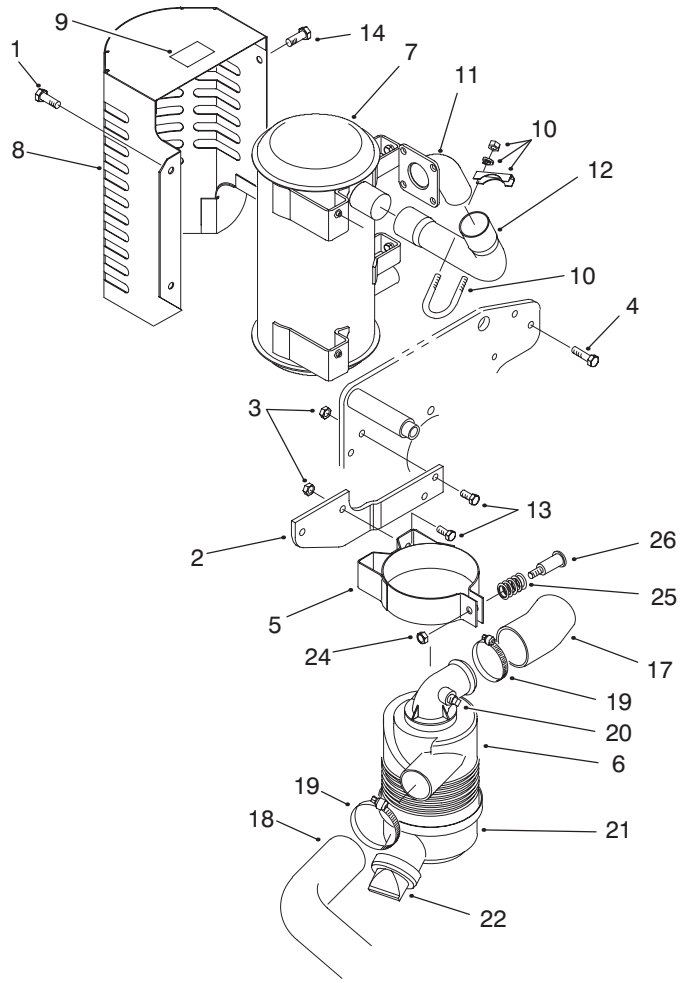


T−2228B

NEUTRAL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	33023−00	Nut − Lock	1
2	94−3456	Tube − Pivot	1
3	33113−030	Screw − HH	1
4	76−8870	Lever Damper Assembly	1
5	94−1312	Spacer − Pivot	1
6	94−3488	Pump Lever	1
7	88−7200	Washer − Pivot	1
8	3210−6	Screw − HH	1
9	94−1307	Cable Support	1
10	93−2103	Bushing − Straight	1
11	94−4527	Neutral Arm	1
12	3−6498	Washer − Thrust	1
13	93−2111	Stud − Traction	1
14	3296−4	Nut − Lock Elastic	1
15	75−5470	Spacer	1
16	251−259	Bearing − Ball	1
17	94−1369	Spring − Ext.	1
18	18−6380	Pin	1
19	94−3491	Bracket − Spring	1

Ref. No.	Part No.	Description	No. Used
20	323−4	Screw − HH	2
21	33024−00	Nut − Lock	3
22	33114−025	Screw − HH	1
23	33114−030	Screw − HH	1
24	33114−020	Screw − HH	1
25	3296−29	Nut −Hex	1
26	2411−34	Ball Joint	1
27	3296−13	Nut − Lock	1
28	93−9051	Decal − Eccentric Bolt	1
29	93−2099	Cable − Traction Control	1
31	3256−22	Washer − Flat	1
32	3220−2	Nut − Jam	1
33	33115−035	Screw − HH	3
34	94−3486	Plate	1
35	63−9750	Mount − Rubber	3
36	2844	Washer	3
37	33025−00	Nut − Lock	3
38	3220−1	Nut − Jam	1



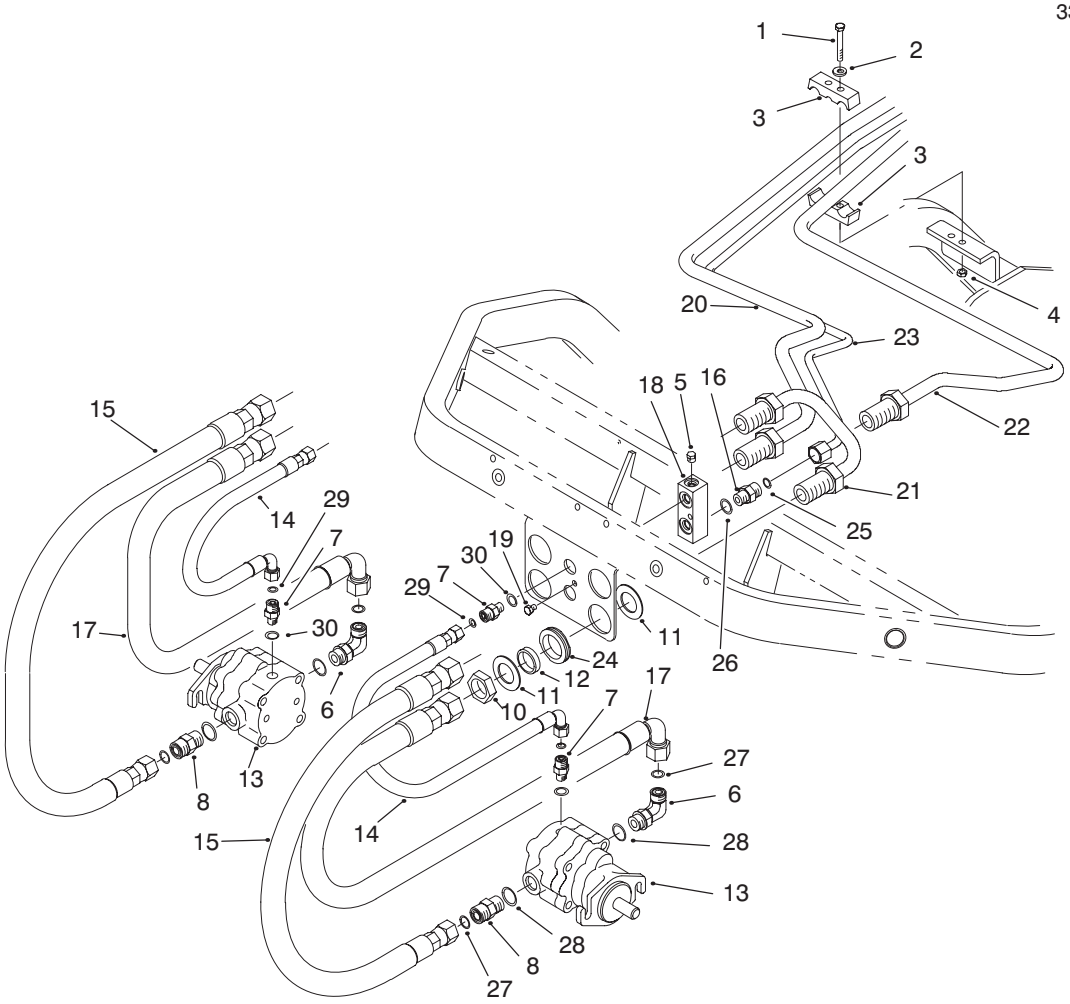
T−2237A

MUFFLER & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144−14	Screw − HH	2
2	94−5359	Bracket − Air Cleaner	1
3	33024−00	Nut − Lock NI	4
4	33114−020	Screw − HH	4
5	93−2191	Mounting Band Assembly (Incl. Ref. #24−26)	1
6	93−2190	Air Cleaner Assembly (Incl. Ref. #20−23)	1
7	94−8153	Muffler	1
8	94−1339	Muffler Shield	1
9	93−8069	Decal − Hot Surface	1
10	2112−9	Clamp	2
11	93−2188	Exhaust Bracket	1

Ref. No.	Part No.	Description	No. Used
12	93−2181	Pipe − Exhaust	1
13	33114−025	Screw − HH	4
17	93−2194	Hose − Air Cleaner	1
18	93−2035	Hose − Air Cleaner	1
19	2412−92	Clamp − Hose	2
20	285−17	Plug	1
21	94−3652	Cover Assembly	1
22	94−1414	Valve	1
*23	93−2195	Element − Air Cleaner	1
24	48−9510	Nut − Lock	1
25	94−3654	Spring − Compression	1
26	94−3653	Bolt	1

*Not Illustrated

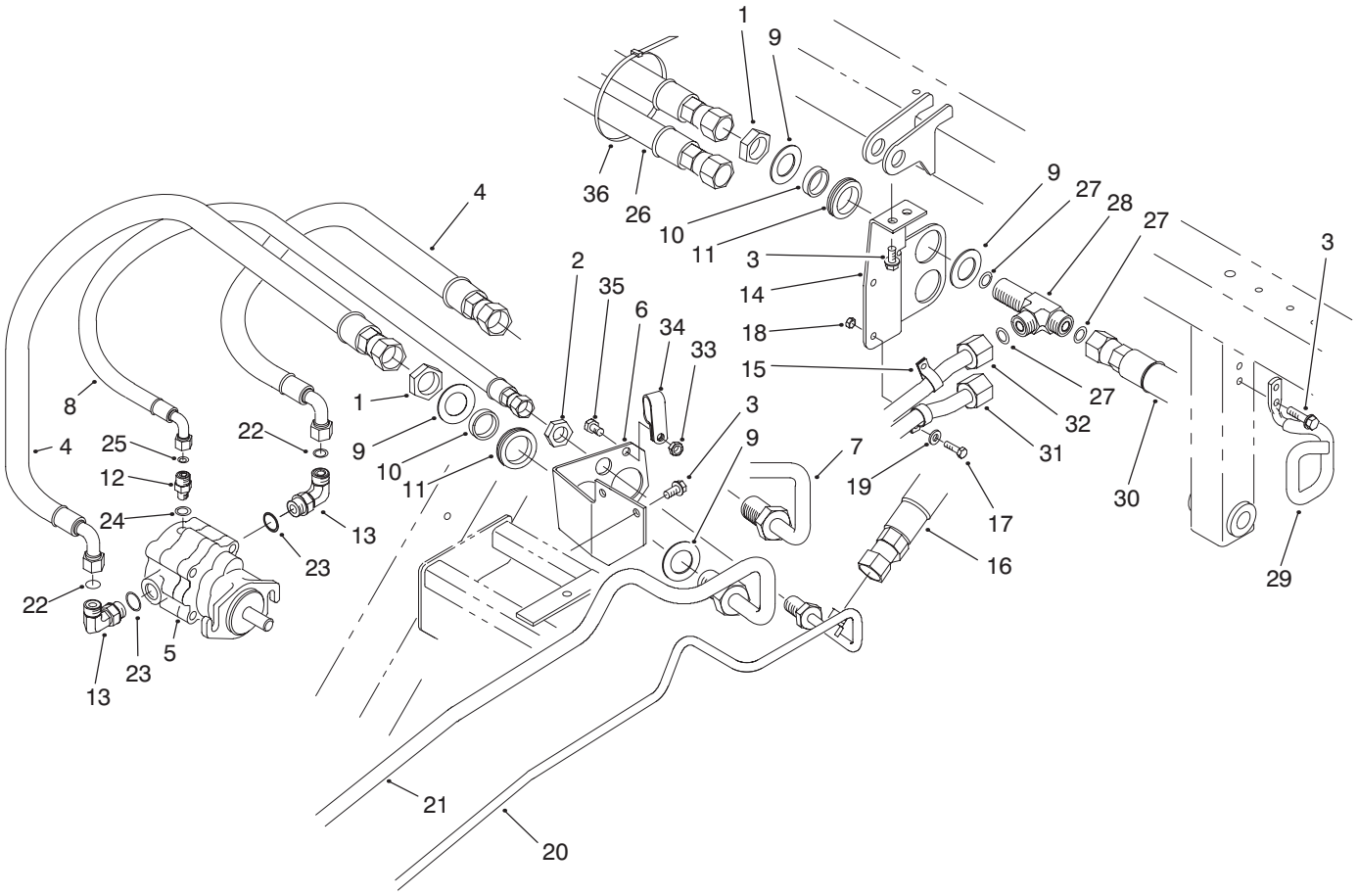


T−2240A

REEL MOTOR INSTALLATION ASSEMBLY − R.H. & L.H.

Ref. No.	Part No.	Description	No. Used
1	33113−050	Screw − HH	2
2	3256−1	Washer − Flat	2
3	93−2509	Clamp − Tube	2
4	33023−00	Nut − Lock NI	2
5	353−991	Plug	1
6	340−98	Fitting − Hydraulic 90˚ (Incl. Ref. #27−28)	2
7	340−92	Fitting − Hydraulic (Incl. Ref. #29−30)	4
8	340−4	Fitting − Hydraulic (Incl. Ref. #27−28)	2
10	340−74	Nut − Bulkhead	4
11	69−9010	Washer	8
12	69−9000	Spacer	4
13	93−1375	Reel Motor	2
14	93−2264	Hose Assembly	2
15	93−2262	Hose Assembly	2

Ref. No.	Part No.	Description	No. Used
16	340−2	Fitting − Hydraulic (Incl. Ref. #25−26)	1
17	93−2263	Hose Assembly	2
18	93−2238	T−Block (Incl. Ref. #5)	1
19	33113−008	Screw − HH	1
20	94−1318	Tube − Hydraulic	1
21	94−1319	Tube − Hydraulic	1
22	94−1320	Tube − Hydraulic	1
23	94−1321	Tube − Hydraulic	1
24	240−3	Grommet − Rubber	4
25	237−22	O−Ring	1
26	237−42	O−Ring	1
27	237−30	O−Ring	4
28	237−79	O−Ring	4
29	237−21	O−Ring	4
30	237−78	O−Ring	4

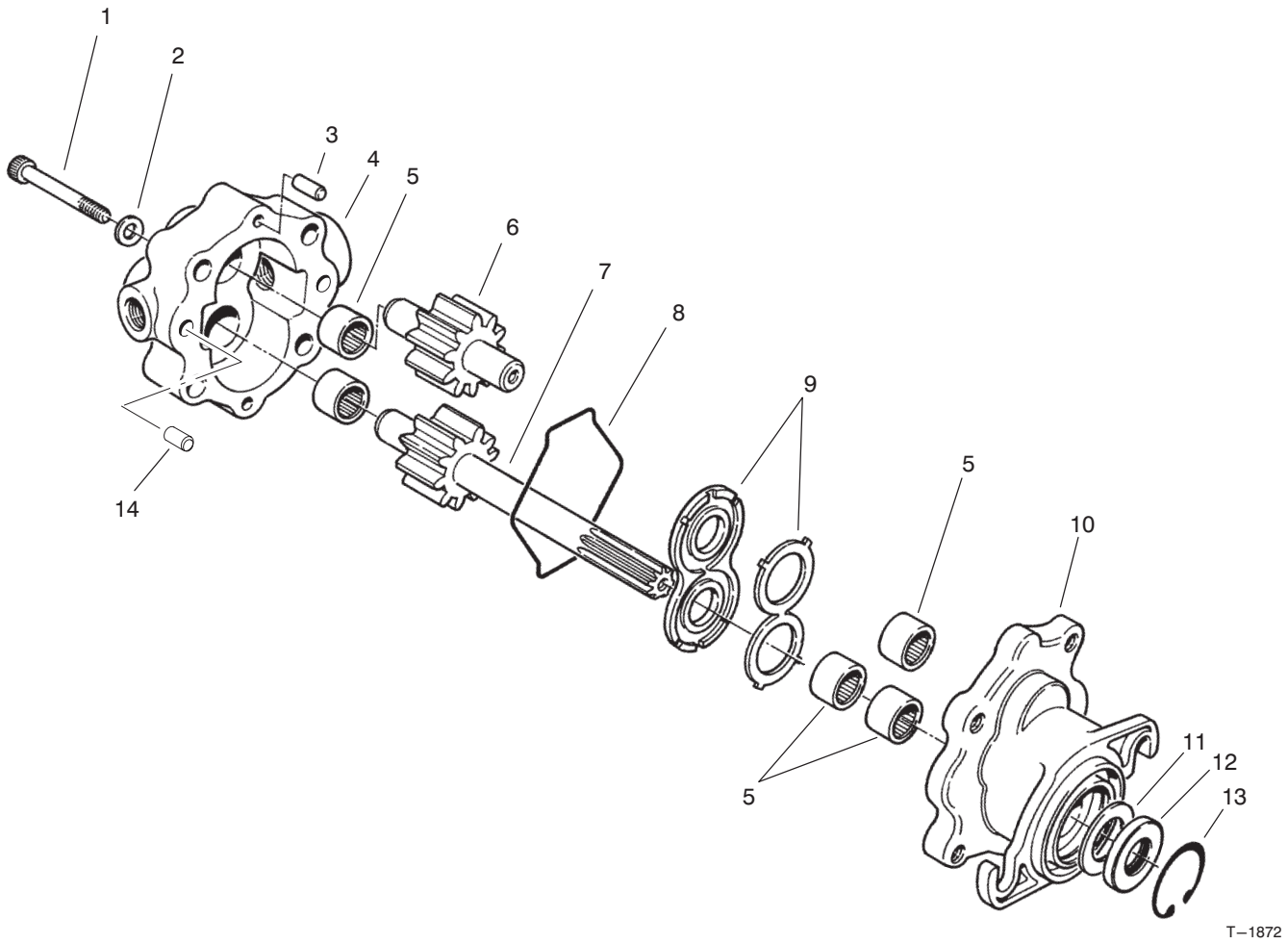


T–2241B

REEL MOTOR INSTALLATION ASSEMBLY – REAR

Ref. No.	Part No.	Description	No. Used
1	340–74	Nut – Bulkhead	4
2	340–70	Nut – Bulkhead	1
3	32144–14	Screw – HH	6
4	93–2259	Hose Assembly	2
5	93–1375	Reel Motor	1
6	94–1316	Bracket – Bulkhead	1
7	94–1317	Tube – Hydraulic	1
8	94–1328	Hose Assembly	1
9	69–9010	Washer	8
10	69–9000	Spacer	4
11	240–3	Grommet – Rubber	4
12	340–92	Fitting – Hydraulic (Incl. Ref. #24–25)	1
13	340–98	Fitting – Hydraulic 90° (Incl. Ref. #22–23)	2
14	94–8155	Bracket – Bulkhead	1
15	2412–134	Clamp – R	2
16	94–4539	Hose Assembly	1
17	33113–016	Screw – HH	2
18	33023–00	Nut – Lock NI	2

Ref. No.	Part No.	Description	No. Used
19	3256–22	Washer – Flat	2
20	94–1321	Tube – Hydraulic	1
21	94–1318	Tube – Hydraulic	1
22	237–30	O–Ring	2
23	237–79	O–Ring	2
24	237–78	O–Ring	1
25	237–21	O–Ring	1
26	94–5357	Hose Assembly	2
27	237–65	O–Ring	3
28	94–5350	Fitting – Bulkhead Tee (Incl. Ref. #27)	2
29	94–5352	Retainer – Hose	1
30	94–5358	Hose Assembly	2
31	94–5353	Tube – Hydraulic	1
32	94–5354	Tube – Hydraulic	1
33	33024–00	Nut – Lock	1
34	2412–137	Clamp – Tube, Double	1
35	33114–020	Screw – HH	1
36	3290–378	Tie – Cable	1

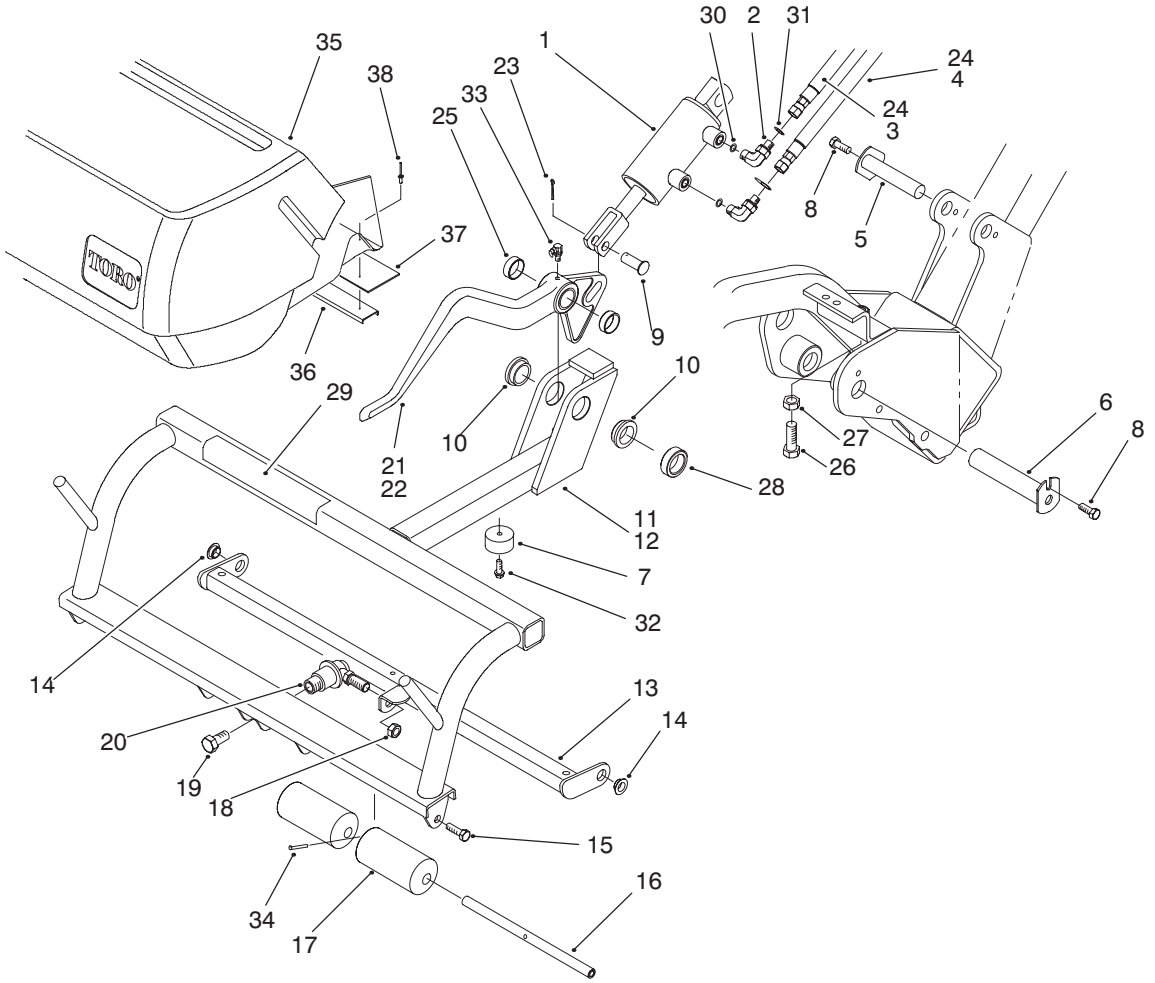


REEL MOTOR ASSEMBLY NO. 93–1375

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	93–3614	Assembly – Cover (Incl. Ref. #5)	1
†5		Bearing–Needle	5
6	93–3616	Assembly – Idler Gear	1
7	93–3615	Assembly – Drive Shaft	1
8	354–46	Ring–Seal	1

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

*Not Illustrated
†Not Serviced Seperately



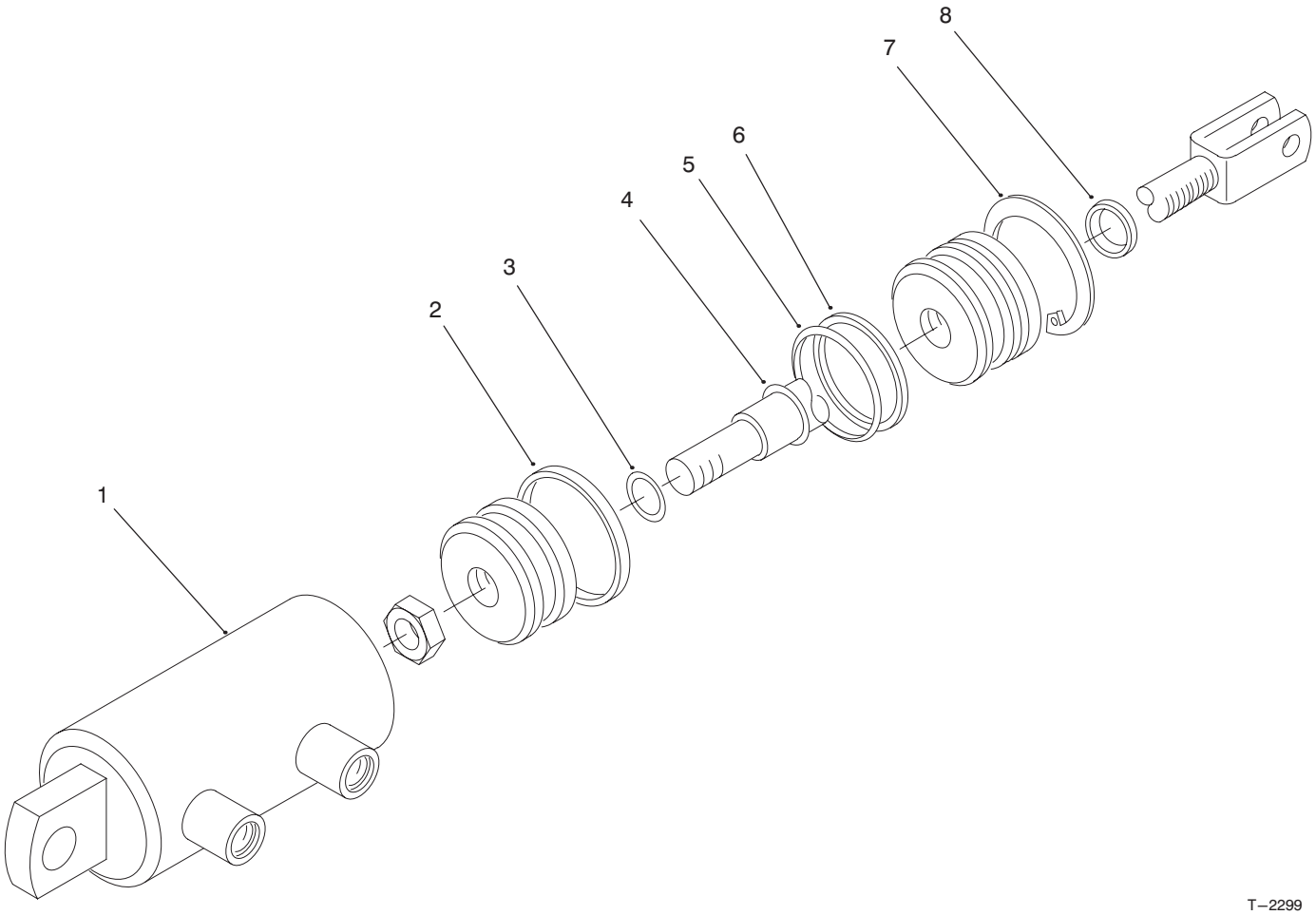
T–2230B

PULL FRAME ASSEMBLY – R.H. & L.H.

Ref. No.	Part No.	Description	No. Used
1	93–2246	Hydraulic Cylinder Assembly	2
2	340–132	Fitting – Hydraulic 90˚ (Incl. Ref. #30–31)	4
3	93–2255	Hose Assembly	1
4	93–2256	Hose Assembly	1
5	10–6060	Pin – Ram Pivot	2
6	93–2380	Pin	2
7	94–4548	Bumper	2
8	32144–14	Screw – HH	4
9	283–8	Pin – Clevis	2
10	93–2361	Bushing – Flange	4
11	93–2369	Carrier – RH	1
12	93–2360	Carrier – LH	1
13	94–3483	Pull Arm	2
14	93–2368	Bushing – Flange	4
15	3211–2	Screw – HH	8
16	93–2363	Shaft – Roller	8
17	93–2362	Roller – Anti Scalp	8
18	3296–19	Nut – Lock	2
19	3213–1	Screw – HH	2
20	93–2133	Ball Joint	2

Ref. No.	Part No.	Description	No. Used
21	93–2405	Lift Arm – RH	1
22	93–2407	Lift Arm – LH	1
23	3272–11	Pin – Cotter	2
24	93–2254	Hose Assembly	2
25	92–8995	Bushing – Straight	4
26	325–6	Screw – HH	2
27	3218–5	Nut – Jam	2
28	93–2384	Spacer – Carrier	2
29	93–8064	Decal – Warning	2
30	237–78	O–Ring	4
31	237–21	O–Ring	4
32	32144–44	Screw – HWH	2
33	302–60	Fitting – Grease 90˚	2
34	32121–6	Pin – Roll	4
35	93–2553	Grass Basket Assembly (Incl. Ref. #36–38)	2
36	93–2552	Retainer	2
37	93–2551	Seal – Basket	2
38	3290–55	Rivet – Pop	16
*	65–8320	Bar – Guage	1

* Not Illustrated.

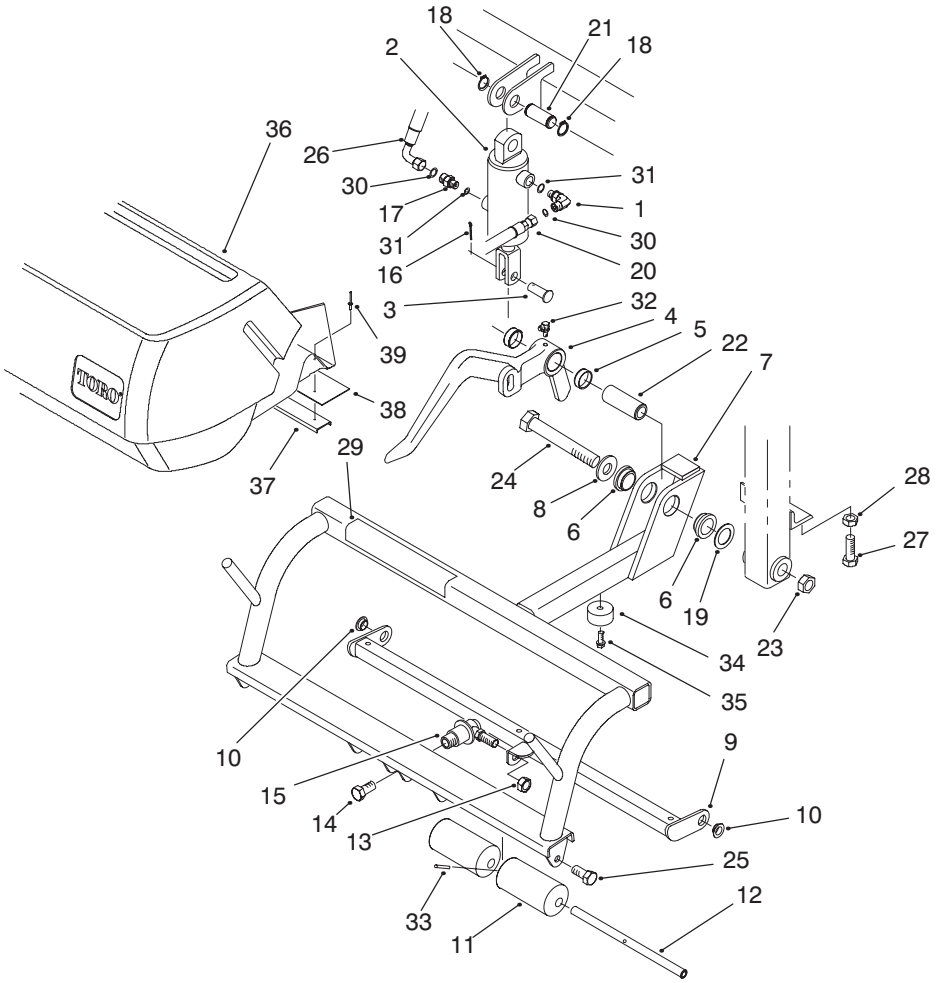


T–2299

HYDRAULIC CYLINDER NO. 93–2246

Ref. No.	Part No.	Description	No. Used
†1		Barrel	1
†2		Uniring	1
†3		O–Ring	1
†4		Seal – PDF	1
†5		O–Ring	1
†6		Washer – Back–Up	1
7	32120–8	Ring – Retaining	1
†8		Seal – Dust	1
*	86–5390	Kit – Seal, Repair (Incl. Ref. #2–6 & 8)	1

†Not Serviced Seperately

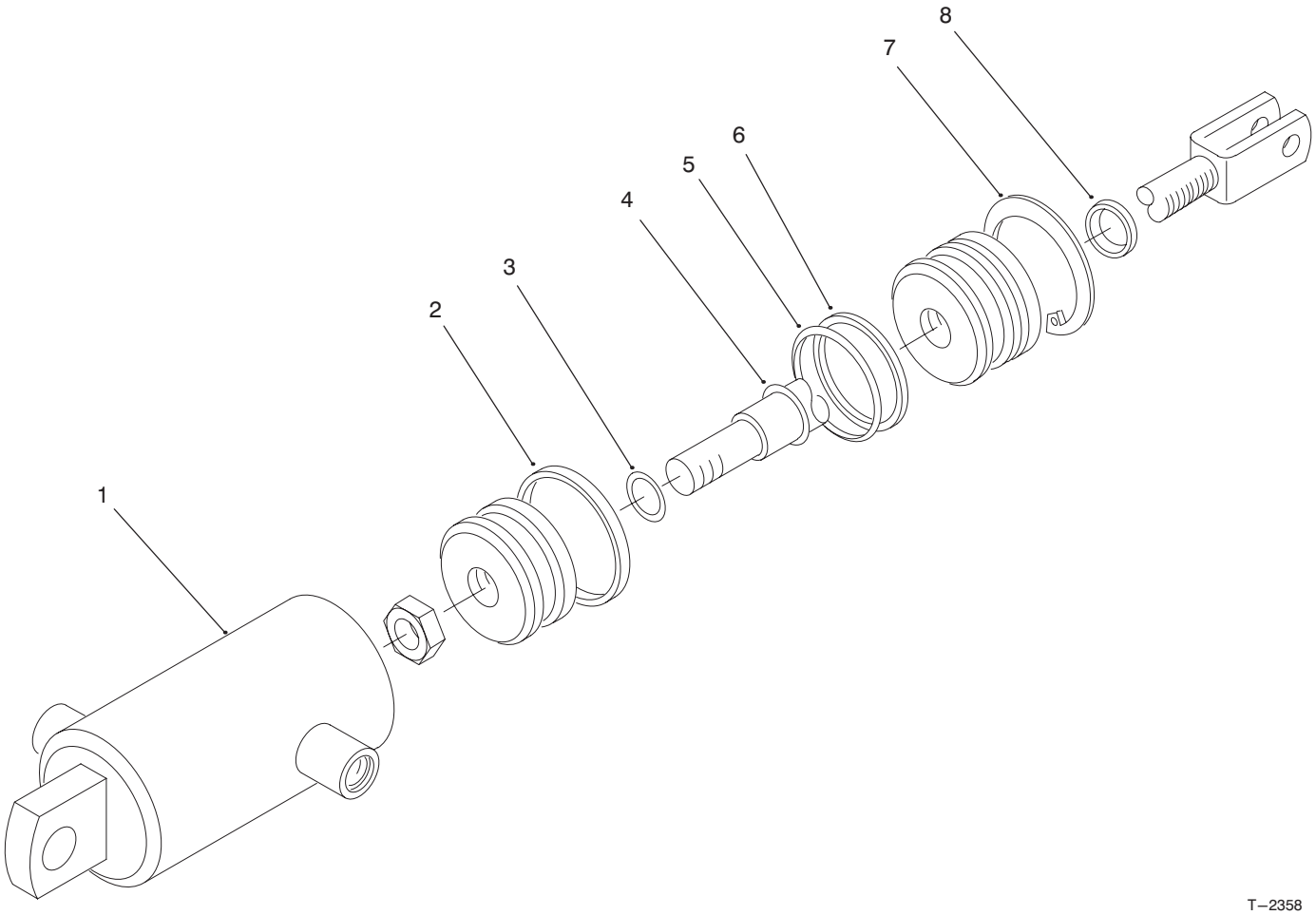


T–2231B

PULL FRAME ASSEMBLY – REAR

Ref. No.	Part No.	Description	No. Used
1	340–132	Fitting – Hydraulic 90° (Incl. Ref. #30–31)	1
2	94–6357	Hydraulic Cylinder Assembly	1
3	283–8	Pin – Clevis	1
4	93–2403	Lift Arm – Center	1
5	92–8995	Bushing – Straight	2
6	93–2361	Bushing – Flange	2
7	93–2350	Carrier – Center	1
8	3256–7	Washer – Flat	1
9	94–3483	Pull Arm	1
10	93–2368	Bushing – Flange	2
11	93–2362	Roller – Anti Scalp	4
12	93–2363	Shaft – Roller	2
13	3296–19	Nut – Lock	1
14	3213–1	Screw – HH	1
15	93–2133	Ball Joint	1
16	3272–11	Pin – Cotter	1
17	85–9720	Fitting – Hydraulic (Incl. Ref. #30–31)	1
18	32120–72	Ring – Retaining, Ext.	2
19	63–2290	Washer – Thrust	1

Ref. No.	Part No.	Description	No. Used
20	93–2258	Hose Assembly	1
21	94–3452	Pin – Cylinder	1
22	94–1398	Tube – Pivot	1
23	3296–53	Nut – Hex	1
24	327–17	Screw – HH	1
25	3211–2	Screw – HH	4
26	94–3477	Hose Assembly	1
27	325–6	Screw – HH	1
28	3218–5	Nut – Jam	1
29	93–8064	Decal – Warning	1
30	237–21	O–Ring	2
31	237–78	O–Ring	2
32	302–60	Fitting – Grease 90°	1
33	32121–6	Pin – Roll	2
34	94–4548	Bumper	1
35	32144–44	Screw – HWH	1
36	93–2553	Grass Basket Assembly (Incl. Ref. #37–39)	1
37	93–2552	Retainer	1
38	93–2551	Seal – Basket	1
39	3290–55	Rivet – Pop	8



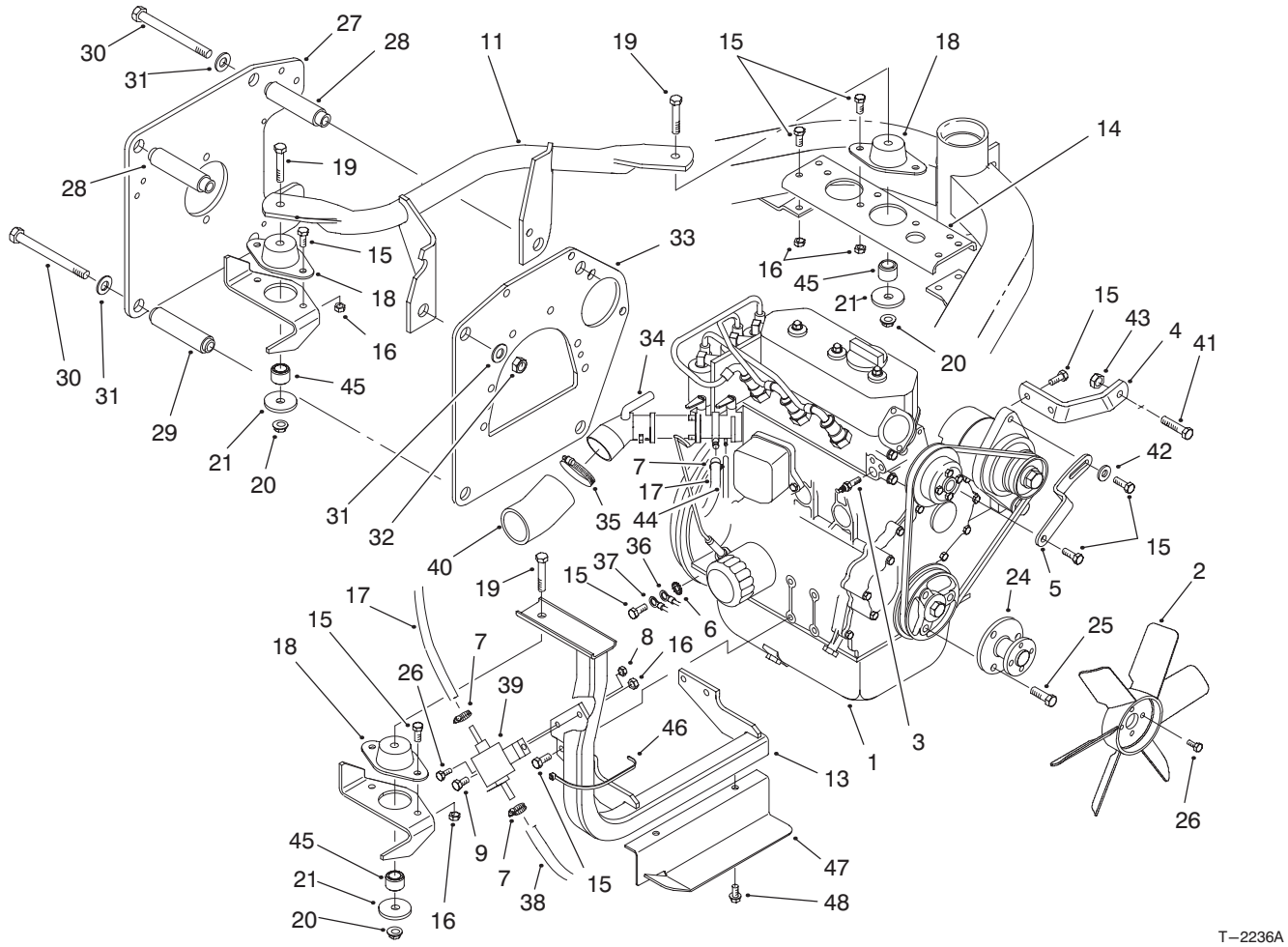
T–2358

HYDRAULIC CYLINDER NO. 94–6357

Ref. No.	Part No.	Description	No. Used
†1		Barrel	1
†2		Uniring	1
†3		O–Ring	1
†4		Seal – PDF	1
†5		O–Ring	1

Ref. No.	Part No.	Description	No. Used
†6		Washer – Back–Up	1
7	32120–8	Ring – Retaining	1
†8		Seal – Dust	1
*	86–5390	Kit – Seal, Repair (Incl. Ref. #2–6 & 8)	1

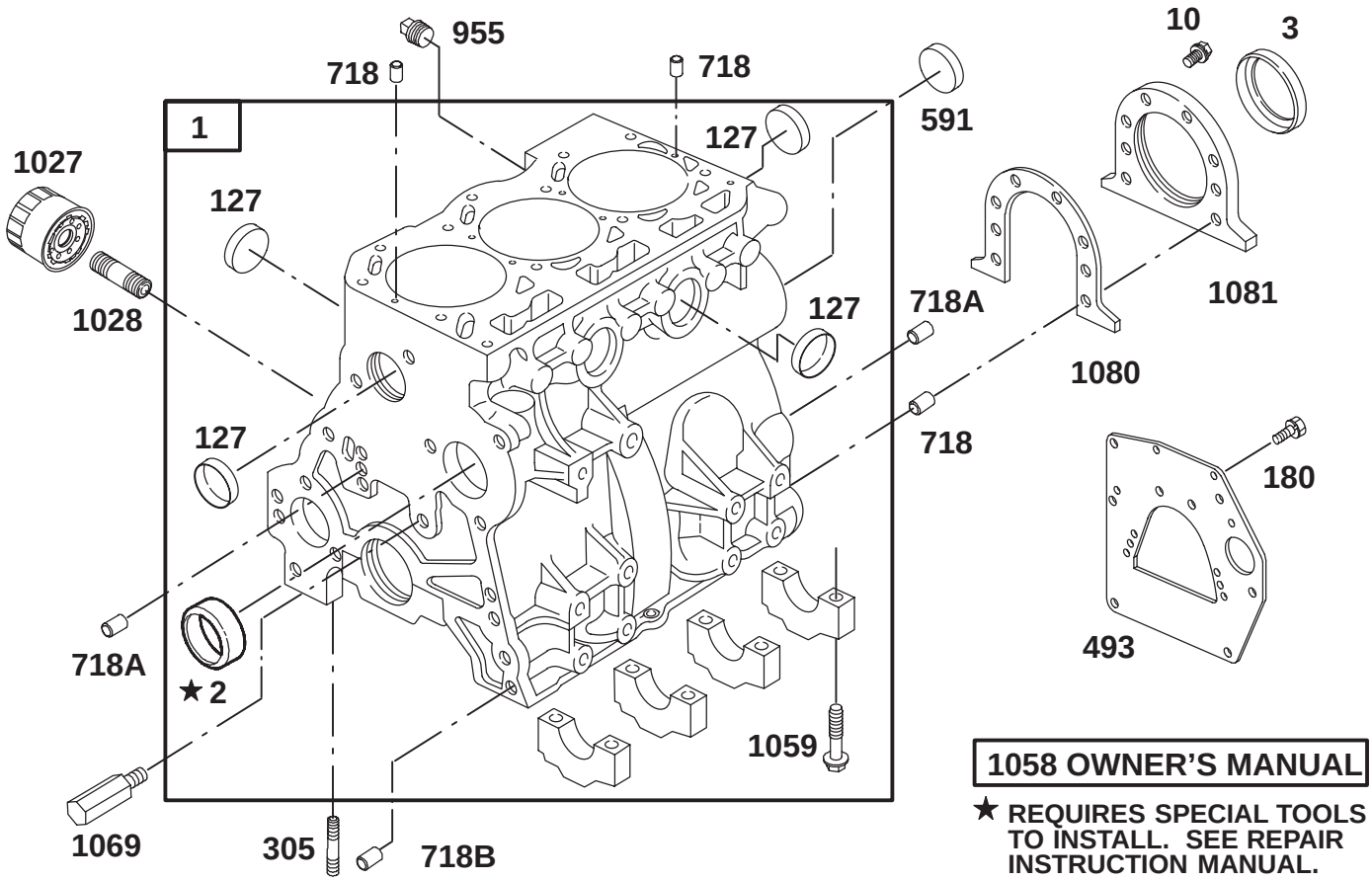
† Not Serviced Separately



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2200	Engine − Daihatsu (Incl. Ref. #2−5, 33−34 & 39)	1
2	93−2090	Fan − Engine	1
3	94−3457	Sender − Temperature	1
4	93−2445	Bracket − Alternator, Lower	1
5	93−2446	Bracket − Alternator, Upper	1
6	3254−2	Washer − Lock, Int	1
7	2412−108	Clamp − Hose	3
8	33023−00	Nut − Lock NI	1
9	33114−016	Screw − HH	1
11	93−2210	Engine Mount − Rear	1
13	93−2205	Engine Mount − Front	1
14	93−2020	Bracket − Support	1
15	33114−020	Screw − HHF	19
16	33024−00	Nut − Lock NI	11
17	93−2229	Hose − Fuel	1
18	83−1030	Mount − Engine	3
19	323−11	Screw − HH	3
20	3290−357	Nut − Flange	3
21	41−4430	Plate − Washer	3
24	93−2153	Adapter − Fan	1
25	70−8470	Screw	3
26	33113−016	Screw − HH	5

Ref. No.	Part No.	Description	No. Used
27	93−2173	Plate − Pump	1
28	93−2588	Spacer − Upper	2
29	93−2174	Spacer − Lower	2
30	33116−130	Screw − HH	4
31	3256−26	Washer − Flat	8
32	33026−00	Nut − Lock NI	4
33		Plate − Backing	1
34		Adapter − Carburetor	1
35	2412−92	Clamp − Hose	1
36	93−2344	Cable − Battery, Negative	1
37	93−2349	Harness − Wire	1
38	93−2228	Hose − Fuel	1
39		Pump − Fuel	1
40	93−2194	Hose − Air Cleaner	1
41	33115−050	Screw − HH	1
42	3256−3	Washer − Flat	1
43	33025−00	Nut − Lock	1
44	75−4705	Hose − Fuel	1
45	94−4538	Spacer − Mount	3
46	3290−378	Tie − Cable	1
47	94−8156	Shield − Dust	1
48	32144−14	Screw − HWH	2



1058 OWNER'S MANUAL

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

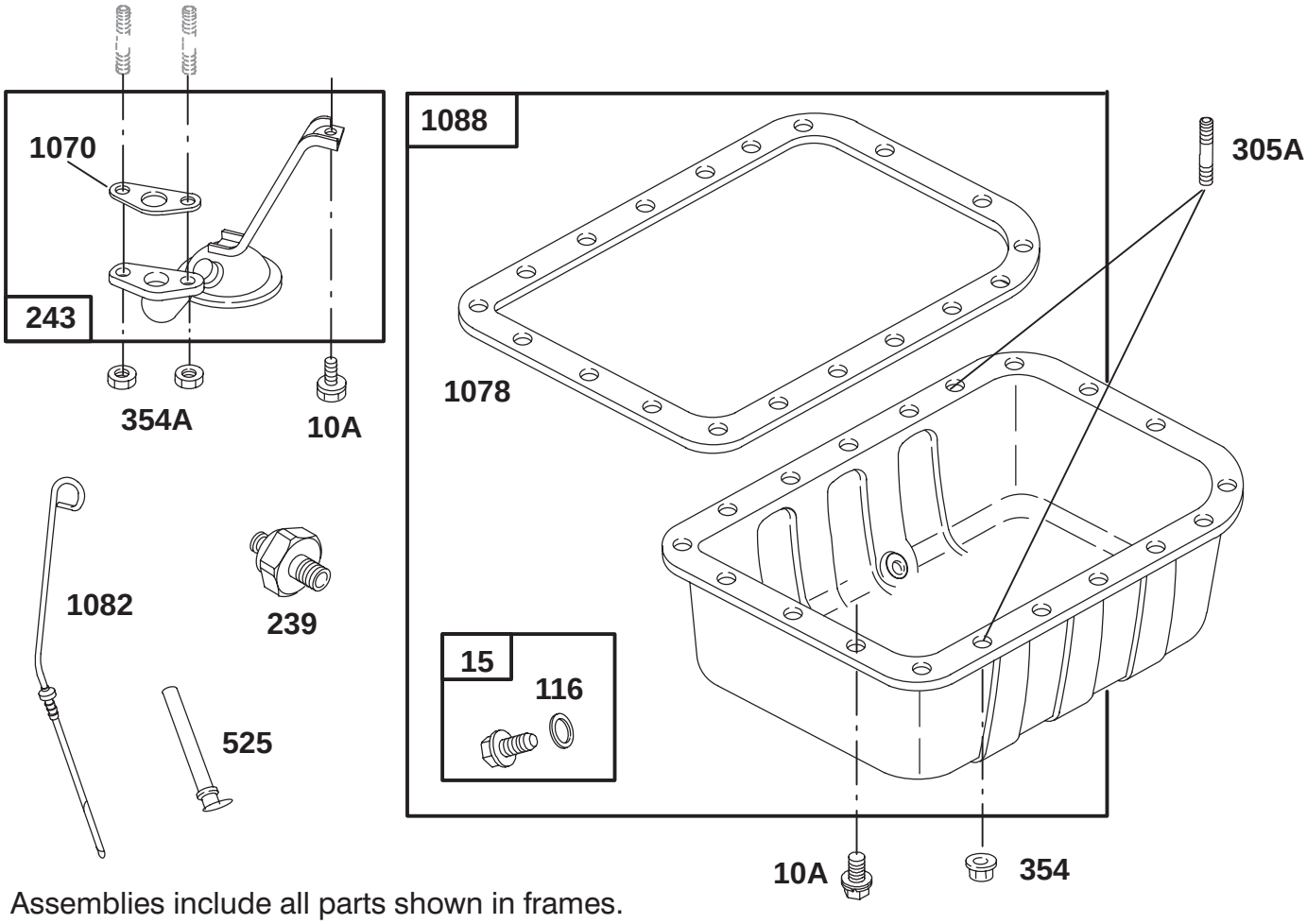
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
1	825027	Cylinder Assembly	1
2	820129	Bushing	1
3	820056	Seal—Oil	1
10	820031	Screw—Hex. (Req. 6)	1
127	820004	Plug—Welch (Req. 7)	1
180	820176	Screw—Hex. (Req. 3)	1
305	820016	Stud—Std.	1
493	o 820283	Bracket—Mounting	1
591	o 820151	Plug—Camshaft	1
718	820063	Pin—Locating (Req. 4)	1

Ref. No.	Part No.	Description	No. Used
718A	820062	Pin—Locating (Req. 3)	1
718B	820061	Pin—Locating (Req. 2)	1
955	820051	Plug	1
1027	491056	Filter—Oil	1
1028	820050	Adapter—Oil Filter	1
1058	820154	Owner's Manual	1
1059	820042	Screw—Hex. (Req. 8)	1
1069	820102	Nozzle—Oil	1
†1080	820145	Gasket—Retainer	1
1081	820146	Retainer—Sea	1

† Included in Gasket Set — Part No. 825056.



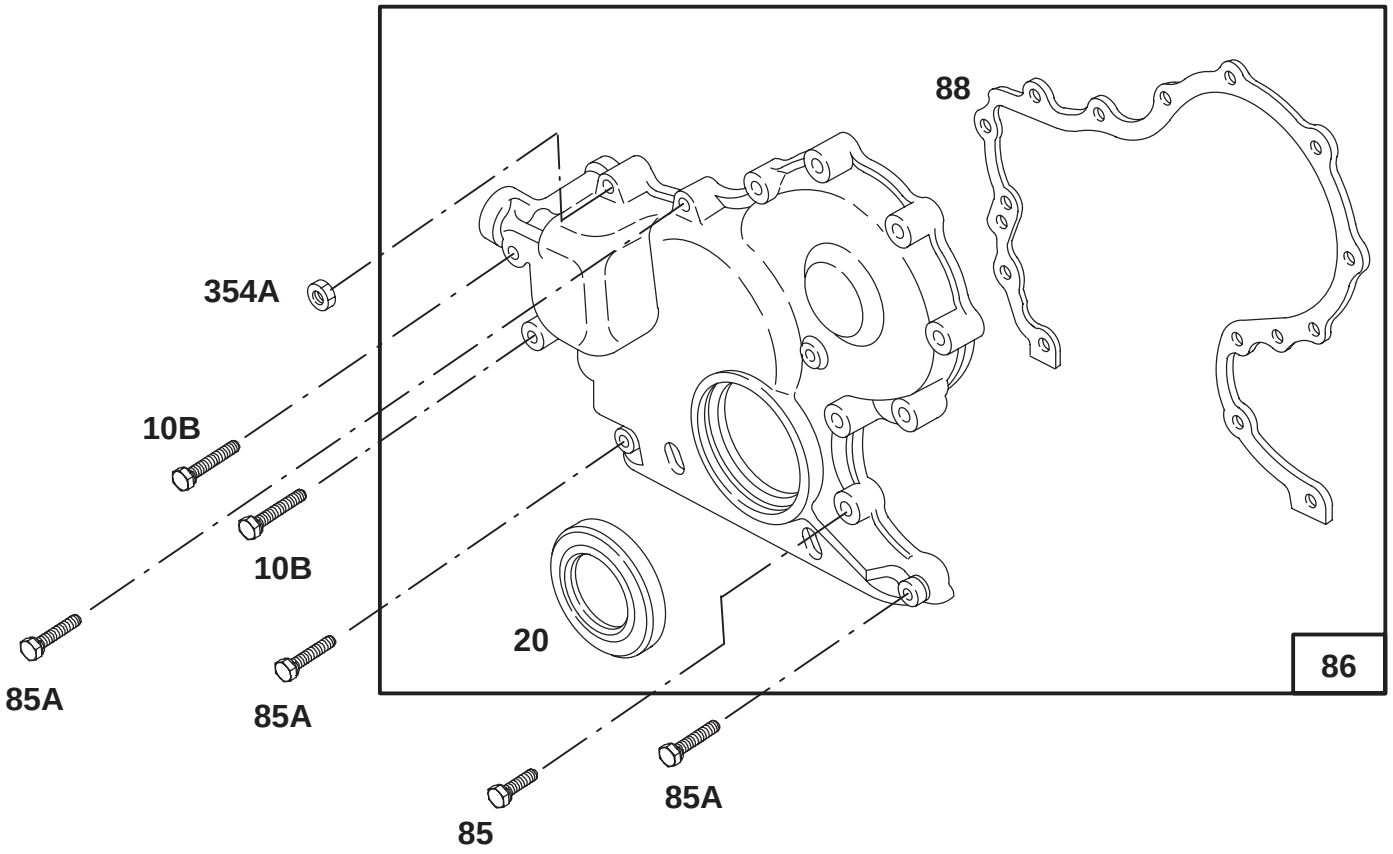
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10A	820034	Screw—Hex. (Req. 17)	1
15	825043	Plug—Oil Drain	1
†116	820049	Washer	1
239	825000	Switch—Oil Pressure	1
243	825089	Screen—Oil Pump	1
305A	820017	Stud—Std. (Req. 2)	1
354	820068	Nut—Hex. (Req. 2)	1

Ref. No.	Part No.	Description	No. Used
354A	820069	Nut—Hex. (Req. 2)	1
525	820144	Adaptor—Oil Fill	1
†1070	820104	Gasket—Oil Strainer	1
†1078	820137	Gasket—Oil Pan	1
1082	820237	Dipstick	1
1088	825049	Pan—Oil	1

† Included in Gasket Set — Part No. 825056.



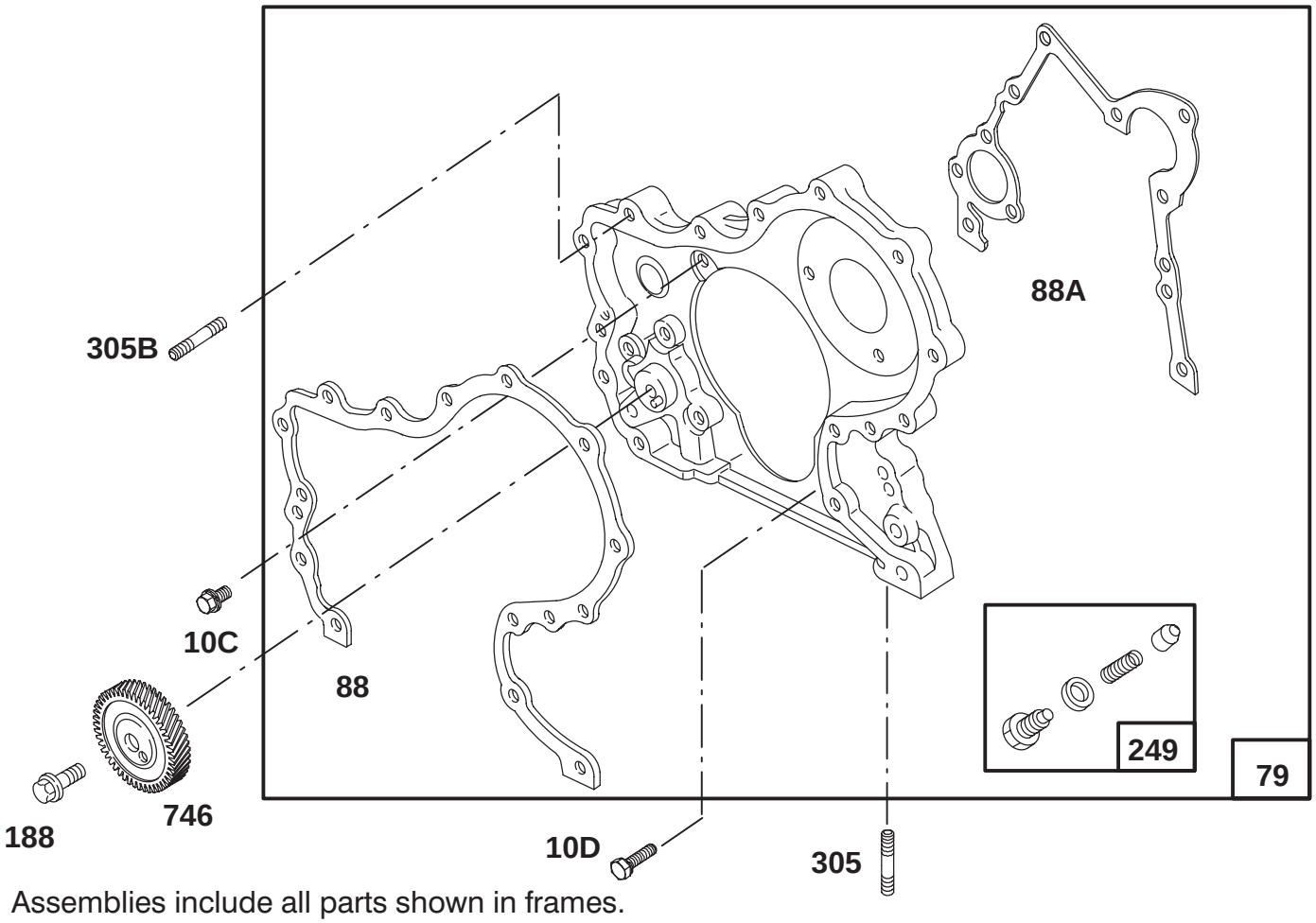
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10B	820026	Screw—Hex. (Req. 2)	1
†20	820055	Seal—Oil	1
85	820029	Screw—Hex. (Req. 6)	1
85A	820027	Screw—Hex. (Req. 3)	1

Ref. No.	Part No.	Description	No. Used
86	825119	Cover Assy.—Gear	1
†88	820148	Gasket—Cover	1
354A	820069	Nut—Hex. (Req. 2)	1

† Included in Gasket Set — Part No. 825056.



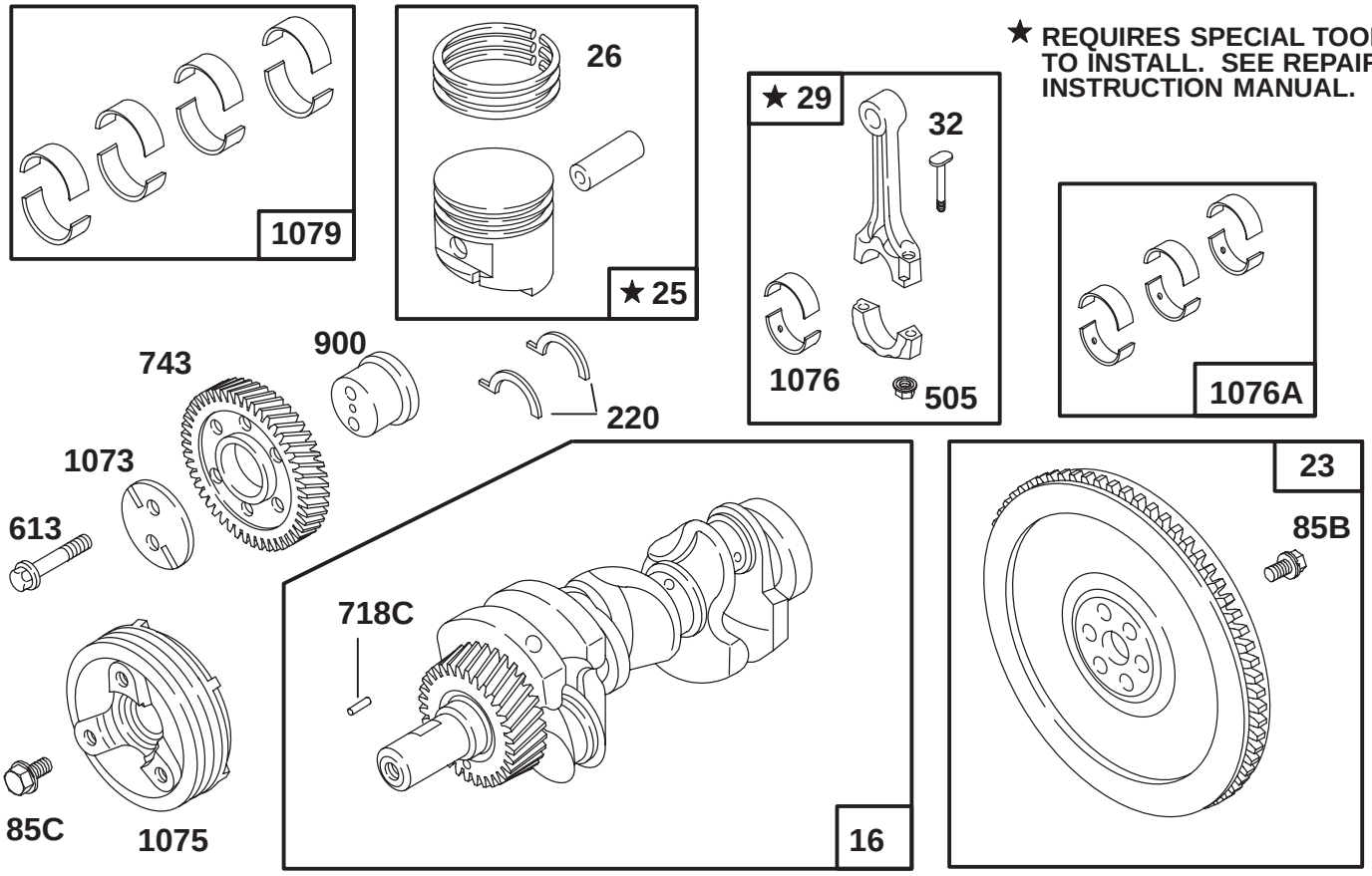
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10C	820033	Screw—Hex.	1
10D	820030	Screw—Hex. (Req. 4)	1
79	825120	Case Assembly—Gear	1
†88	820148	Gasket—Cover	1
†88A	820155	Gasket—Cover	1
188	820180	Screw—Hex.	1

Ref. No.	Part No.	Description	No. Used
249	825032	Valve—Oil Relief	1
305	820016	Stud—Std.	1
305B	820156	Stud—Mtg. (Req. 2) (Assembly)	1
746	820121	Gear—Drive	1

† Included in Gasket Set — Part No. 825056.

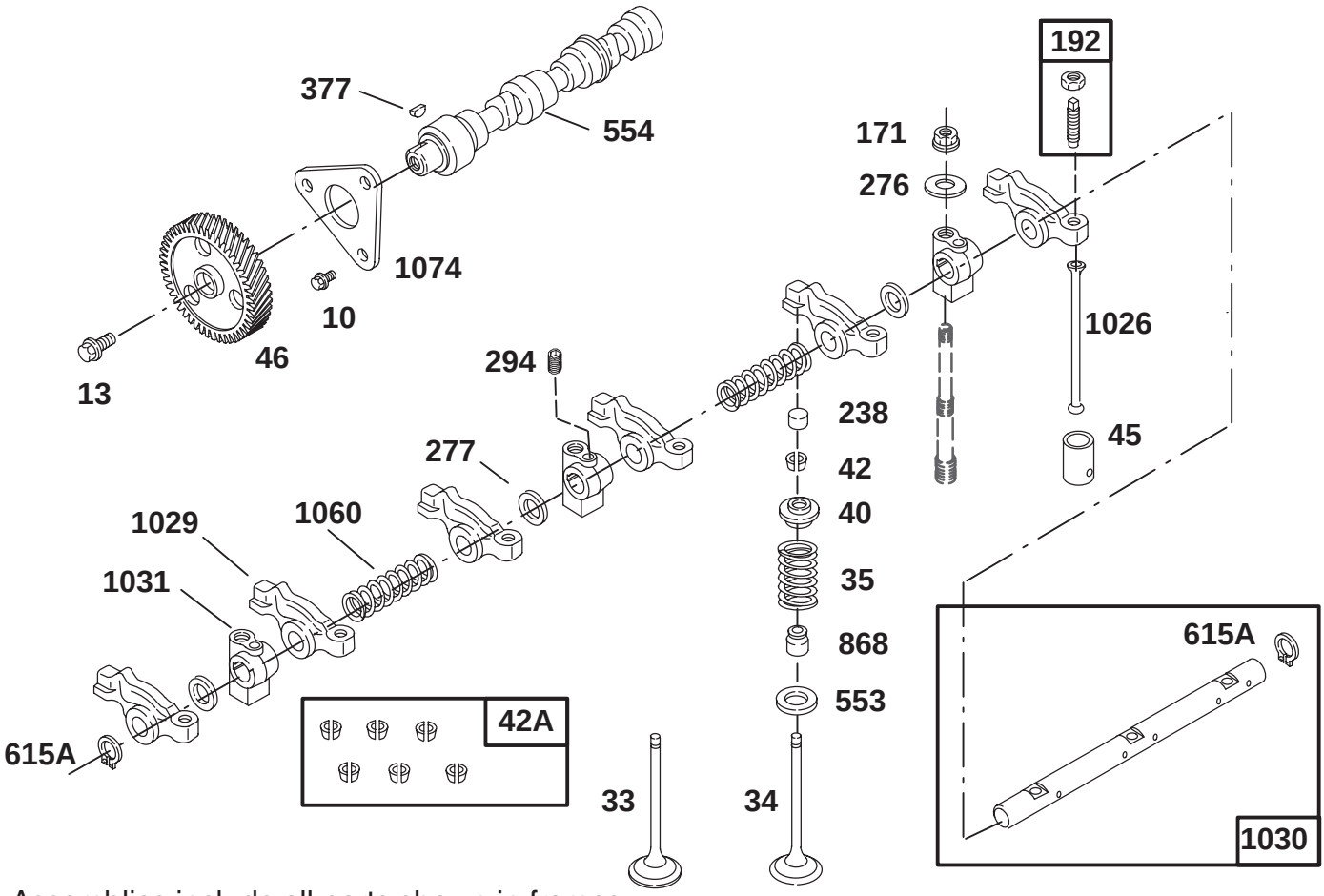


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
16	825016	Crankshaft	1
23	825090	Flywheel	1
25	825038	Piston Assembly (Req. 3) (Standard)	
		825018 Piston Assy. (Req. 3) (.010” Oversize)	1
26	825091	Ring Set (Req. 3) (Standard)	
		825092 Ring Set (Req. 3) (.010” Oversize)	1
29	825033	Rod—Connecting (Req. 3)	1
32	820128	Screw—Hex. (Req. 6)	1
85B	820080	Screw—Hex. (Req. 6)	1
85C	820079	Screw—Hex.	1
220	820140	Washer—Thrust (Standard)	
		820139 Washer—Thrust (.005” Oversize)	1
505	820073	Nut—Hex. (Req. 6)	1
613	820081	Screw—Hex. (Req. 2)	1

Ref. No.	Part No.	Description	No. Used
718C	820059	Pin—Locating	1
743	825013	Gear—Drive	1
900	820116	Shaft—Gear	1
1073	820117	Plate—Idler Gear	1
1075	820123	Pulley—Crankshaft	1
1076	820142	Bearing—Rod (Standard) (Req. 3)	1
1076A	825019	Bearing Set—Rod (Standard) (Includes 3 Sets)	
		825060 Bearing Set—Rod (.010”Undersize) (Includes 3 Bearings)	1
1079	825040	Bearing Set—Main (Standard)	
		825039 Bearing Set— Main (.010” Undersize)	1

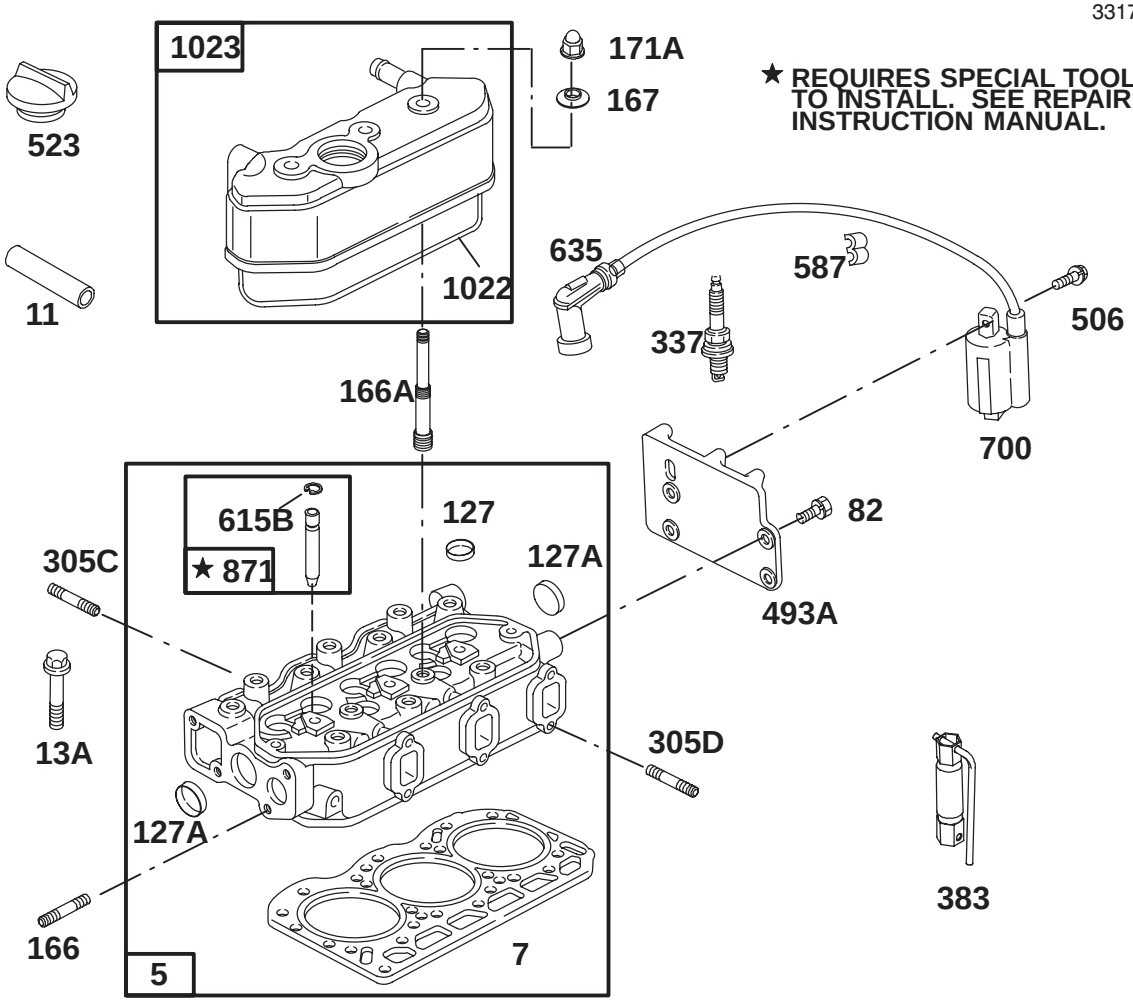


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10	820031	Screw—Hex. (Req. 3)	1
13	820075	Screw—Hex.	1
33	820114	Valve—Exhaust (Req. 3)	1
34	820115	Valve—Intake (Req. 3)	1
35	820043	Spring—Valve(Req. 6)	1
40	820111	Retainer—Valve (Req. 6)	1
42	825042	Keeper—Valve (Contains 1 Set of 6 Req.)	1
42A	825082	Keeper—Valve (Contains 6 Sets)	1
45	820110	Tappet—Valve (Req. 6)	1
46	820119	Gear—Cam	1
171	820070	Nut—Hex. (Req. 3)	1
192	825041	Nut—Rocker Arm (Req. 6)	1
238	820113	Cap—Valve (Req. 6)	1
276	820177	Washer (Req. 3)	1

Ref. No.	Part No.	Description	No. Used
277	820065	Washer (Req. 3)	1
294	820105	Screw—Socket	1
377	94196	Key—Woodruff	1
553	820112	Seat—Valve Spring (Req. 6)	1
554	820122	Shaft—Cam	1
615A	820003	Retainer (Req. 2)	1
868	820041	Seal—Valve (Req. 6)	1
1026	820109	Rod—Push (Req. 6)	1
1029	820107	Arm—Rocker (Req. 6)	1
1030	825093	Shaft—Rocker Arm	1
1031	820106	Support—Rocker Arm (Req. 3)	1
1060	820044	Spring—Rocker Shaft (Req. 2)	1
1074	820118	Retainer—Camshaft	1

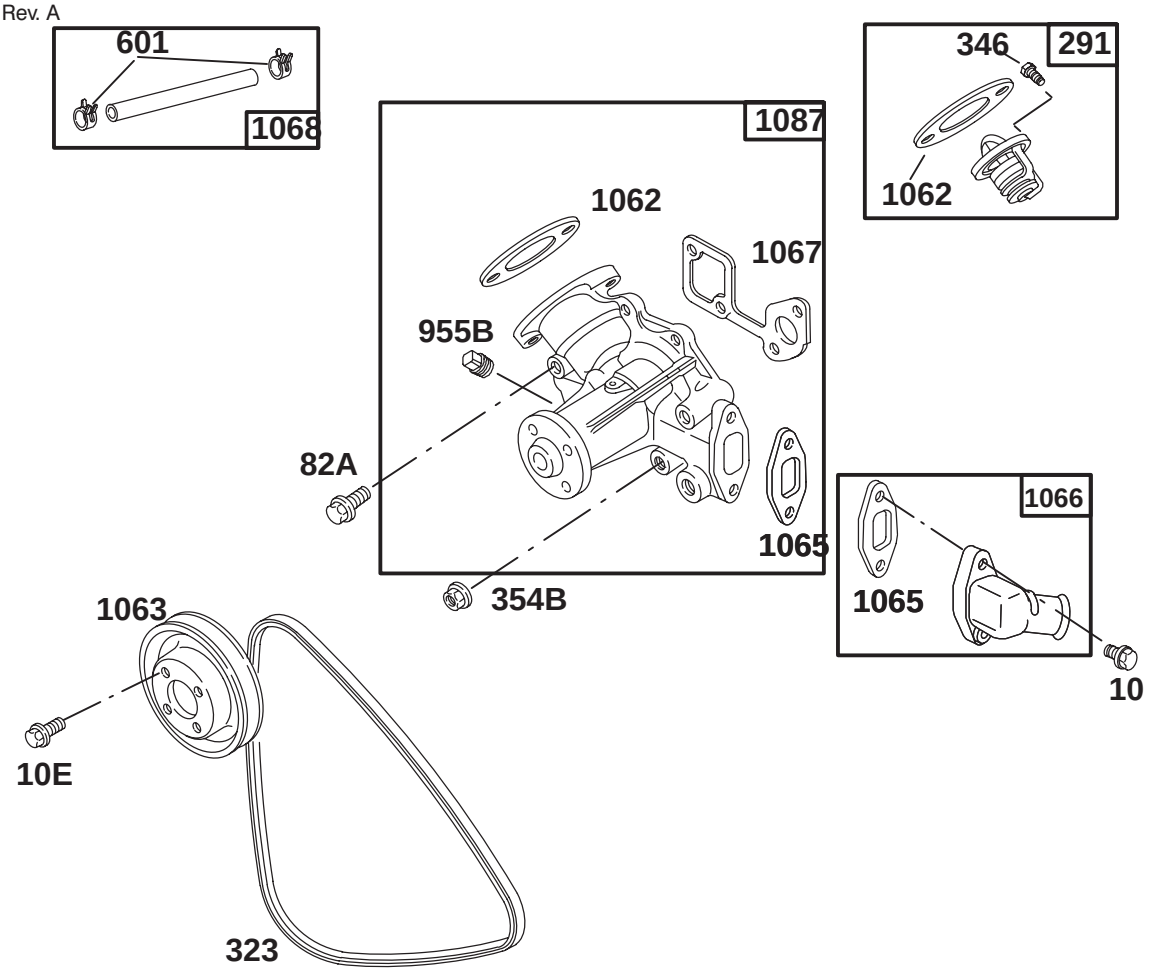


ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
5	825047	Head—Cylinder	1
†‡7	820153	Gasket—Cylinder Head	1
11	820048	Tube—Breather	1
13A	820074	Screw—Hex. (Req. 14)	1
82	820024	Screw—Hex. (Req. 4)	1
127	820004	Plug—Welch (Req. 2)	1
127A	820005	Plug—Welch (Req. 2)	1
166	820078	Stud—Mtg .(Req. 2)	1
166A	820076	Stud—Std. (Req. 3)	1
†‡167	820064	Washer (Req. 3)	1
171A	820071	Nut (Req. 3)	1
305C	820015	Stud—Std. (Req. 2)	1
305D	820014	Stud—Mtg. (Req. 6)	1

Ref. No.	Part No.	Description	No. Used
337	491055	Plug—Spark (Req. 3)	1
383	89838	Wrench—Spark Plug	1
493A	820083	Bracket—Mounting	1
506	820012	Screw—Hex. (Req. 6)	1
523	825024	Cap—Oil Fill	1
587	820046	Clamp (Req. 2)	1
615B	820130	Retainer (Req. 6)	1
635	820084	Boot—Spark Plug (Req. 3)	1
700	820037	Coil—Ignition (Req. 3)	1
871	825030	Bushing—Guide (Req. 6)	1
††1022	820150	Gasket—Rocker Cover	1
1023	825088	Cover—Rocker	1

† Included in Gasket Set — Part No. 825056.
‡ Included in Valve Overhaul Kit — Part No. 825057.



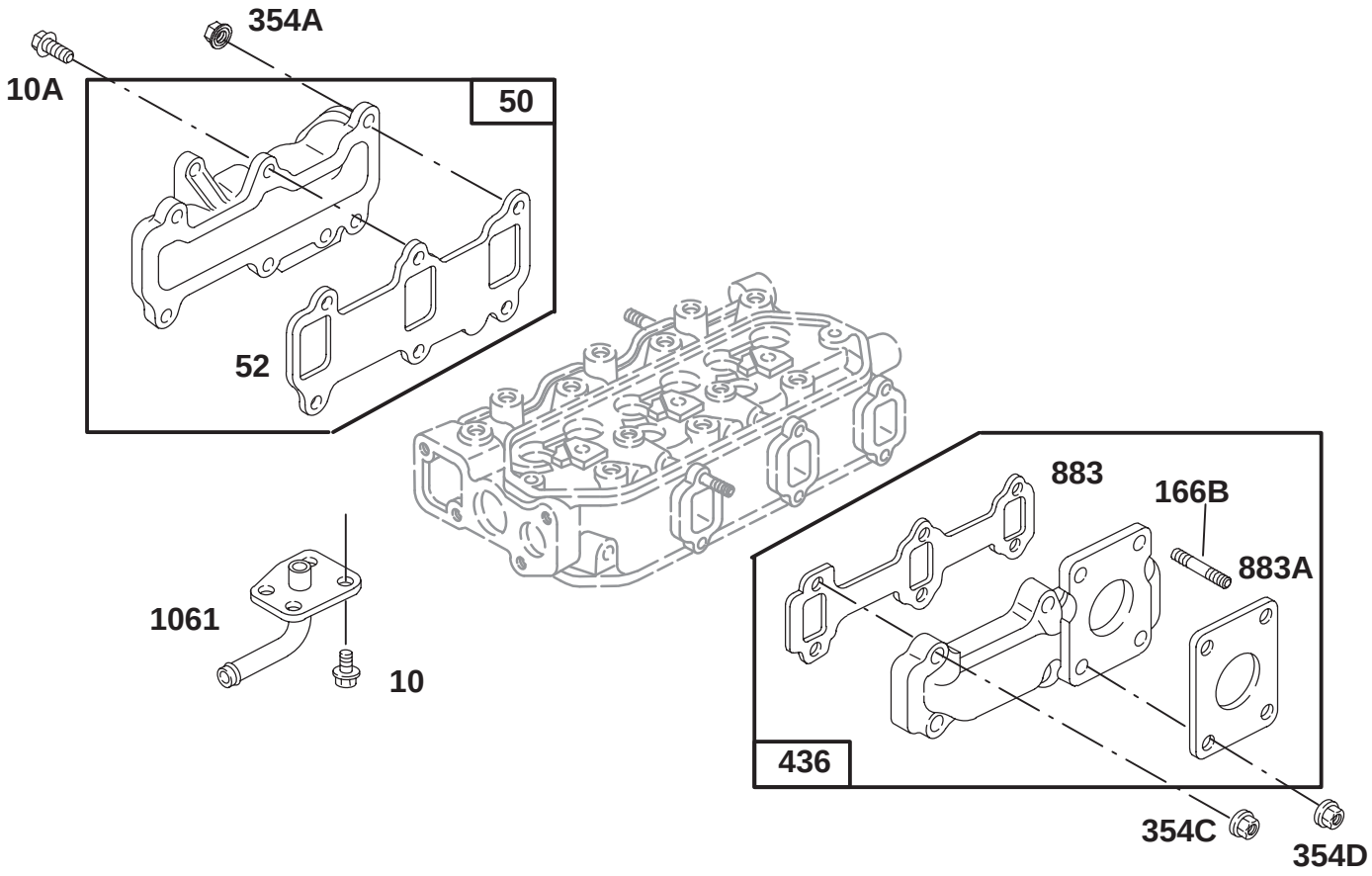
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10	820031	Screw−Hex. (Req. 2)	1
10E	820203	Screw−Hex. (Req. 4)	1
82A	820022	Screw−Hex. (Req. 2)	1
291	825064	Thermostat	1
323	820288	Belt−Vee	1
346	820185	Screw−Hex.	1
354B	820181	Nut−Hex. (Req. 2)	1
601	820045	Clamp−Hose (Req. 2)	1

Ref. No.	Part No.	Description	No. Used
955B	820182	Plug	1
†1062	820093	Gasket−Outlet	1
1063	820095	Pulley−Pump	1
†1065	820098	Gasket−Inlet Hsg.	1
1066	825051	Housing−Inlet	1
†1067	820100	Gasket−Water Pump	1
1068	825045	Hose	1
1087	825050	Pump−Water	1

† Included in Gasket Set − Part No. 825056.



Assemblies include all parts shown in frames.

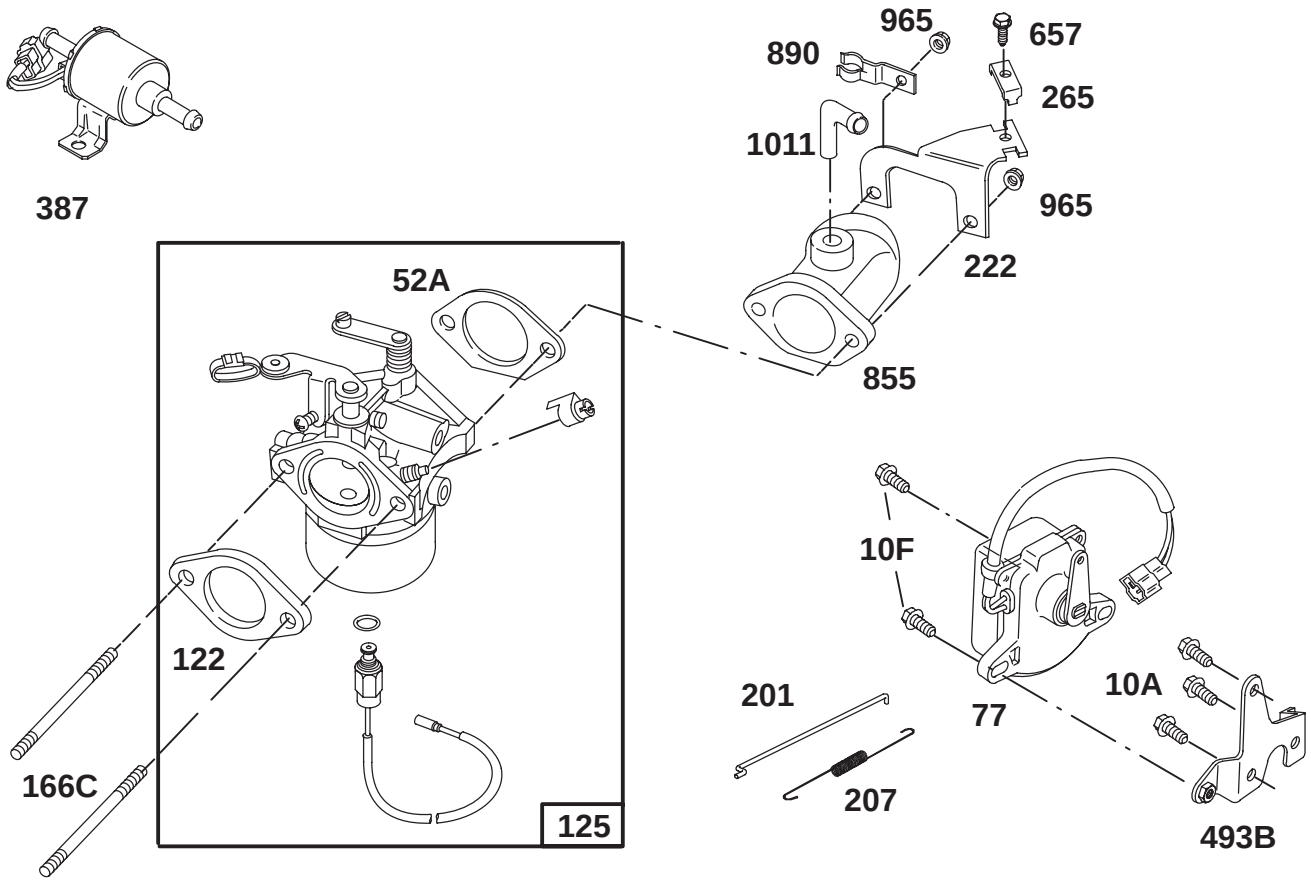
ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10	820031	Screw—Hex. (Req. 4)	1
10A	820034	Screw—Hex. (Req. 4)	1
50	825053	Manifold—Intake	1
†‡52	820087	Gasket—Intake	1
166B	820183	Stud—Std. (Req. 4)	1
354A	820069	Nut—Hex. (Req. 2)	1

Ref. No.	Part No.	Description	No. Used
354C	820010	Nut—Hex. (Req. 6)	1
354D	820178	Nut—Hex. (Req. 4)	1
436	825055	Manifold—Exhaust	1
†‡883	820088	Gasket—Exhaust	1
†883A	820085	Gasket—Exhaust	1
1061	820090	Cover—Outlet	1

† Included in Gasket Set — Part No. 825056.
‡ Included in Valve Overhaul Kit — Part No. 825057.

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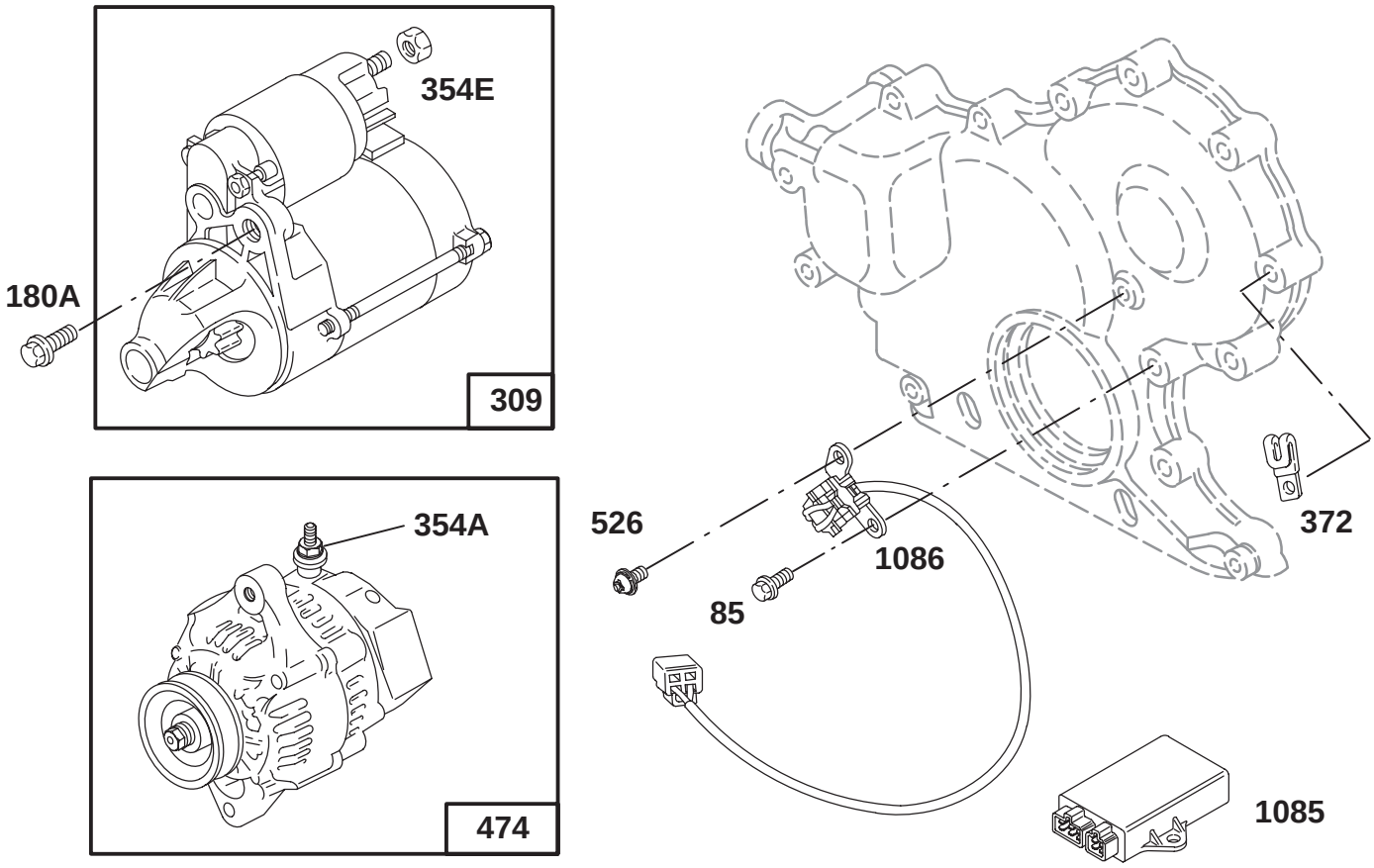
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
10A	820034	Screw–Hex. (Req. 3)	1
10F	820228	Screw–Hex. (Req. 2)	1
†52A	820160	Gasket–Intake	1
†77	820209	Governor–Electronic	1
122	820082	Spacer	1
125	825121	Carburetor	1
166C	820077	Stud (Carburetor Mounting) (Req. 2)	1
201	820226	Link	1
207	820227	Spring–Control Rod	1

Ref. No.	Part No.	Description	No. Used
222	820224	Bracket–Control	1
265	221535	Clamp–Casing	1
493B	820223	Bracket–Mounting	1
657	805169	Screw–Phillips	1
387	825005	Pump–Fuel	1
855	820284	Adaptor–Air	1
890	820238	Bracket–Support	1
965	820011	Nut–Hex. (Req. 2)	1
1011	820184	Tube–Vent	1

† Included in Gasket Set – Part No. 825056.

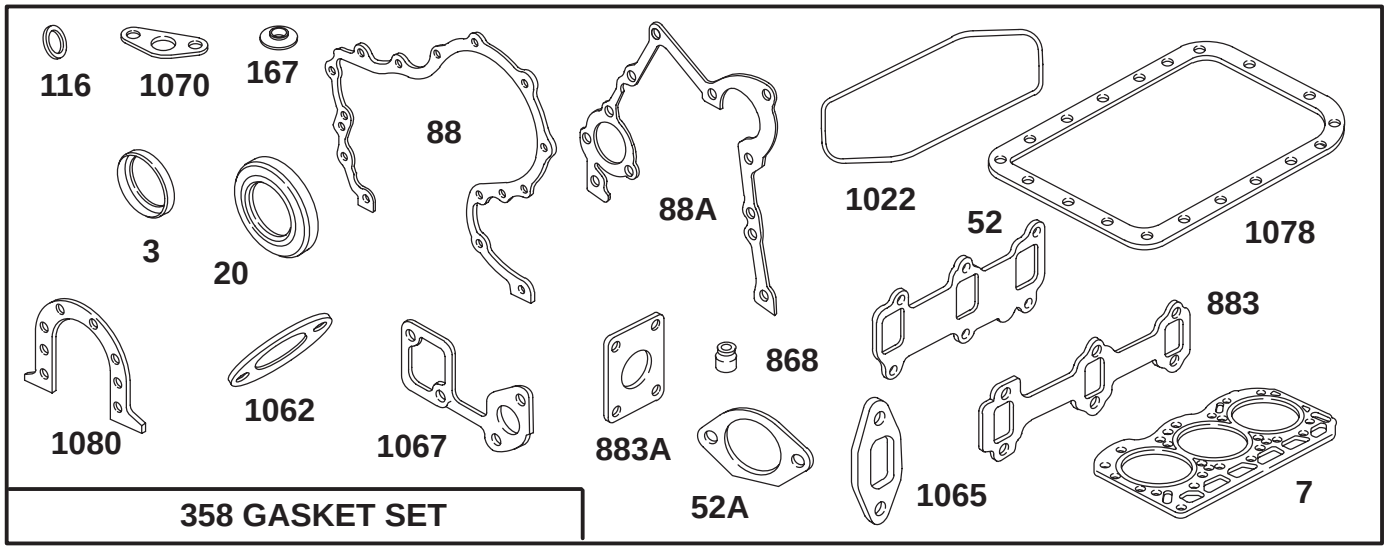


Assemblies include all parts shown in frames.

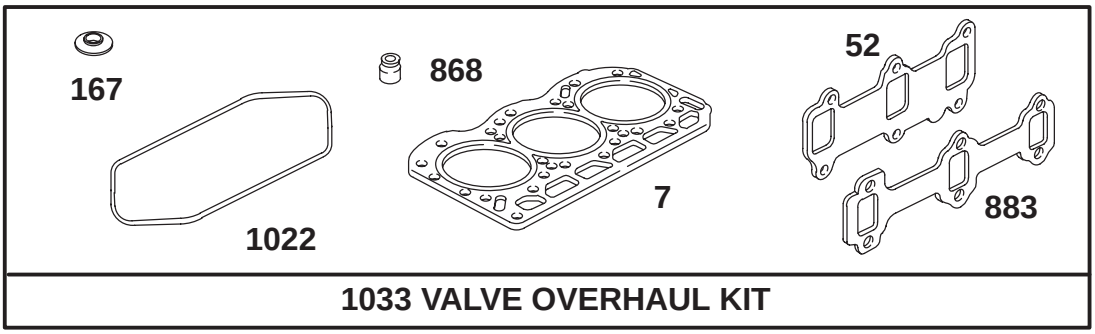
ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
85	820029	Screw—Hex.	1
180A	820019	Screw—Hex. (Req. 2)	1
309	825095	Motor—Starter	1
354A	820069	Nut—Hex.	1
354E	820067	Nut—Hex.	1

Ref. No.	Part No.	Description	No. Used
372	820047	Clamp	1
474	825084	Alternator	1
526	820013	Screw—Phillips	1
1085	825008	Module—Ignition	1
1086	825009	Trigger—Ignition	1



358 GASKET SET



1033 VALVE OVERHAUL KIT

Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 433447

Ref. No.	Part No.	Description	No. Used
†3	K820056	Seal—Oil	1
†‡7	820153	Gasket—Cylinder Head	1
†20	820055	Seal—Oil	1
†‡52	820087	Gasket—Intake	1
†52A	820160	Gasket—Intake	1
†88	820148	Gasket—Cover	1
†88A	820155	Gasket—Cover	1
†116	820049	Washer	1
†‡167	820064	Washer (Rocker Cover)	1
358	825056	Gasket Set	1
†‡868	820041	Seal—Valve	1

Ref. No.	Part No.	Description	No. Used
†‡883	820088	Gasket—Exhaust	1
†883A	820085	Gasket—Exhaust	1
†‡1022	820150	Gasket—Rocker Cover	1
1033	825057	Kit—Valve Overhaul	1
†1062	820093	Gasket—Outlet	1
†1065	820098	Gasket—Inlet Hsg.	1
†1067	820100	Gasket—Water Pump	1
†1070	820104	Gasket—Oil Strainer	1
†1078	820137	Gasket—Oil Pan	1
†1080	820145	Gasket—Retainer	1

† Included in Gasket Set — Part No. 825056.
‡ Included in Valve Overhaul Kit — Part No. 825057.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
2844	Washer	23	36	3
3–6498	Washer – Thrust	23	12	1
5–3934	Bolt	7	5	1
10–6060	Pin – Ram Pivot	28	5	2
10–6821	Brake Drum Assembly	3	*	2
10–6830	Stud – Drive	7	28	4
10–6850	Drum – Brake	3	3	2
10–6870	Hub – Wheel	3	24	2
10–7880	Hinge – Upper	1	11	1
10–7890	Hinge – Lower	1	12	1
17–9420	Screw – Handle	2	18	1
18–6320	Washer – Steering	7	3	3
18–6380	Pin	23	18	1
20–7150	Switch – Toggle	18	3	1
26–3790	Nut – Lock	3	14	2
27–2360	Switch – Ignition	10	13	1
27–6600	Spacer – Coupling	20	9	4
28–3680	Tire	3	2	2
28–3680	Tire	7	7	1
33–3720	Washer	22	33	1
33–3750	Race – Inner	22	28	1
39–2080	Dump Valve Assembly	22	21	1
41–4430	Plate – Washer	32	21	3
42–2720	Seal – Shaft	22	34	1
43–6280	Button – Push	10	22	1
43–6420	Bezel	10	23	1
47–2890	Bushing	5	12	2
47–6990	Nut – Steering Wheel	5	6	1
48–9510	Nut – Lock	24	24	1
49–6440	Pedal – Accelerator	2	4	1
60–6330	Screw	22	4	4
63–2290	Washer – Thrust	30	19	1
63–8360	Key – Ignition	10	6	2
63–8410	Washer – Flat	16	4	3
63–8410	Washer – Flat	17	12	4
63–8410	Washer – Flat	18	29	2
63–9750	Mount – Rubber	23	35	3
65–6390	Washer – Thrust	5	24	1
65–8320	Bar – Guage	28	*	1
66–2490	Retainer – Battery	15	7	1
66–2750	Battery	15	6	1
66–2950	Gauge – Hour Meter	10	4	1
66–3240	Cap – Radiator	19	34	1
68–3270	Bumper – Rubber	15	28	2
68–5130	Wheel – Steering	5	5	1
68–5140	Cap – Steering Wheel	5	27	1
68–6150	Breather – Air	18	4	1
69–4240	Seal Kit	14	*	1
69–9000	Spacer	26	10	4
69–9000	Spacer	25	12	4
69–9010	Washer	26	9	8
69–9010	Washer	25	11	8
70–1240	Plug Assembly	22	18	2
70–1480	Relay	15	11	1
70–8470	Screw	32	25	3
70–9840	Shoe – Brake	3	27	4
70–9850	Clip – Retaining	3	29	2
70–9860	Cam – Brake	3	26	2
70–9870	Plate – Backing	3	28	2
70–9880	Spring – Return	3	4	4
71–1500	Brake Assembly	3	*	2
72–9760	Switch – Override	10	27	1
73–3540	Washer – Flat	18	43	2
74–0720	Tube – Manual	8	16	1
74–3730	Spacer – Cylinder	7	20	2
74–3810	Assembly – Load Plate	27	9	1
74–5950	Latch – Swell	19	11	2
74–9100	Pad – Pedal Forward	2	3	1
74–9110	Pad – Pedal Reverse	2	2	1
75–1010	Switch	10	26	1
75–1310	Element	17	30	1
75–2010	Cartridge – Relief 2000 psi	14	8	1
75–2080	Seal Kit	14	*	5
75–2090	Seal Kit	14	*	1
75–3420	Lever – Control	10	7	1
75–4705	Hose – Fuel	32	44	1
75–5470	Spacer	23	15	1
75–5470	Spacer	11	17	1
75–9440	Hub – Wheel	7	6	1
76–0800	Seal Kit	4	*	1
76–0810	Housing Assembly	4	*	1
76–0840	Manifold	4	22	1
76–0850	Bearing – Thrust	4	12	1
76–0860	Shaft – Coupling	4	11	1
76–0870	Plate – Wear	4	18	1
76–0880	Commutator Assembly	4	*	1
76–0940	End Cover Assembly	4	24	1
76–6070	Rotating Kit Assembly	22	11	1
76–6080	Seal – Cover	22	5	1
76–6090	Cover – Trunion	22	25	1
76–6100	Cover – Trunion O–Ring	22	26	1
76–6140	O–Ring	22	27	1
76–6150	Pin – Dowel	22	15	2
76–6160	Screw – Cap	22	23	2
76–6170	Screw – Cap	22	22	2
76–6180	Washer	22	7	2
76–6190	Seal – Shaft	22	6	1
76–6200	Spring	22	19	2
76–8870	Lever Damper Assembly	23	4	1
80–8650	Coupling – Rubber	20	8	1
80–9330	Alarm – Audio	18	2	1
83–0730	Spacer – Lockup	5	8	1
83–0740	Disc – Friction	5	4	2
83–0760	Spacer – Lockup	5	3	1
83–0810	Cover – Steering Valve	5	16	1
83–1030	Mount – Engine	32	18	3
83–1390	Fitting – Fuel Shutoff	16	9	1
83–1420	Steering Column Assembly	5	15	1
83–1450	Sensor – Oil Level	18	12	1
83–1700	Bushing – Flange	1	15	3
83–2250	Guage – Sight	18	16	1
83–2280	Timer – Delay	18	26	1
84–2000	Bracket – Brake	3	6	2
85–4491	Lamp – Diagnostic	15	34	1
85–6540	Stud – Drive	3	25	8
85–9190	Plate – Control	10	10	1
85–9720	Fitting – Hydraulic	30	17	1
86–5390	Kit – Seal, Repair	29	*	1
86–5390	Kit – Seal, Repair	31	*	1
88–1270	Decal – Safety Standard	15	14	1
88–7200	Washer – Pivot	23	7	1
88–9190	Solenoid – 20 Watt	14	1	4
92–5720	Controller – Electronic	15	1	1
92–5753	Clamp – Hose, Double	15	26	2
92–5838	Ball Joint	7	10	2
92–6280	Seat	8	1	1
92–6315	Cartridge – N.C.	14	9	1
92–8795	Assembly – Body	27	10	1
92–8796	Pin – Dowel	27	14	2
92–8863	Repair Kit	27	*	1
92–8990	Adjuster	8	13	1
92–8991	Adjuster w/Latch	8	14	1
92–8995	Bushing – Straight	30	5	2
92–8995	Bushing – Straight	28	25	4
92–9199	Hydraulic Motor – Wheel	3	10	2
92–9761	Link – Drive	4	13	7
92–9762	Screw – Cap Hex. Hd.	4	14	1
92–9763	Rotor Set	4	*	1
93–1375	Reel Motor	26	5	1
93–1375	Reel Motor	25	13	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–2010	Frame	1	4	1
93–2018	Hose – Radiator	19	17	1
93–2020	Bracket – Support	32	14	1
93–2033	Hose – Radiator	19	2	1
93–2035	Hose – Air Cleaner	24	18	1
93–2035	Hose – Air Cleaner	15	35	1
93–2035	Hose – Air Cleaner	19	37	1
93–2036	Clamp – Air Hose	15	27	1
93–2048	Cap – Overflow Tank	16	19	1
93–2049	Tank – Overflow	16	21	1
93–2050	Screen	19	10	1
93–2055	Reed Switch – Sensor	11	9	2
93–2056	Reed Switch – Actuator	11	10	1
93–2058	Bracket – Traction	11	15	1
93–2064	Spring – Detent	11	16	1
93–2068	Hose – Pump Inlet	17	24	1
93–2069	Rod – Brake	3	12	2
93–2069	Rod – Brake	1	14	2
93–2070	Clevis – Swivel	3	21	2
93–2071	Fitting – Hose Barb	19	3	2
93–2072	Shield – Wheel RH	1	17	1
93–2073	Shield – Wheel LH	1	16	1
93–2075	Brake Pedal	1	21	1
93–2080	Brake Latch	1	13	1
93–2085	Rod	2	1	1
93–2089	Bracket – Controller	15	4	1
93–2090	Fan – Engine	32	2	1
93–2092	Clamp – Cable	2	31	1
93–2096	Lever – Brake	3	13	2
93–2099	Cable – Traction Control	2	16	1
93–2099	Cable – Traction Control	23	29	1
93–2103	Bushing – Straight	23	10	1
93–2111	Stud – Traction	23	13	1
93–2115	Steering Arm	5	19	1
93–2120	Steering Control Valve	5	23	1
93–2122	Cylinder Asm – Steering	7	13	1
93–2123	Bracket – Fuse Block	15	19	1
93–2125	Castor Fork	7	4	1
93–2128	Panel – Seat Base	8	5	1
93–2133	Ball Joint	30	15	1
93–2133	Ball Joint	28	20	2
93–2135	Support – Seat	8	4	1
93–2141	Plate – Floor	2	9	1
93–2142	Pad – Floor Plate	2	8	1
93–2153	Adapter – Fan	32	24	1
93–2173	Plate – Pump	32	27	1
93–2174	Spacer – Lower	32	29	2
93–2181	Pipe – Exhaust	24	12	1
93–2188	Exhaust Bracket	24	11	1
93–2190	Air Cleaner Assembly	24	6	1
93–2191	Mounting Band Assembly	24	5	1
93–2194	Hose – Air Cleaner	24	17	1
93–2194	Hose – Air Cleaner	32	40	1
93–2195	Element – Air Cleaner	24	*23	1
93–2199	Screw – HH	5	9	1
93–2200	Engine – Daihatsu	32	1	1
93–2205	Engine Mount – Front	32	13	1
93–2210	Engine Mount – Rear	32	11	1
93–2220	Pump Adapter	20	10	1
93–2224	Tank – Fuel, Gasoline	16	2	1
93–2227	Hose – Fuel	16	12	1
93–2228	Hose – Fuel	16	23	1
93–2228	Hose – Fuel	32	38	1
93–2229	Hose – Fuel	32	17	1
93–2232	Decal – Console	10	14	1
93–2234	Decal – GR3200	7	22	2
93–2235	Tank – Hydraulic	17	6	1
93–2236	Mount – Oil Filter	17	10	1
93–2238	T–Block	25	18	1
93–2240	Manifold Assembly	13	1	1
93–2242	Filter Assembly – Oil	17	8	1
93–2246	Hydraulic Cylinder Assembly	28	1	2
93–2252	Hose Assembly	20	23	1
93–2252	Hose Assembly	5	31	1
93–2254	Hose Assembly	28	24	2
93–2254	Tube – Hydraulic	13	20	2
93–2255	Hose Assembly	28	3	1
93–2255	Hose Assembly	13	26	1
93–2255	Hose Assembly	15	36	1
93–2256	Hose Assembly	28	4	1
93–2256	Hose Assembly	13	25	1
93–2256	Hose Assembly	15	37	1
93–2258	Hose Assembly	30	20	1
93–2258	Hose Assembly	13	24	1
93–2259	Hose Assembly	26	4	2
93–2260	Hose – Expansion Tank	19	25	1
93–2260	Hose – Expansion Tank	16	26	1
93–2262	Hose Assembly	25	15	2
93–2263	Hose Assembly	25	17	2
93–2264	Hose Assembly	25	14	2
93–2269	Hose Assembly	7	16	1
93–2269	Hose Assembly	15	30	1
93–2269	Hose Assembly	5	32	1
93–2270	Hose Assembly	7	14	1
93–2270	Hose Assembly	15	31	1
93–2270	Hose Assembly	5	33	1
93–2271	Hose Assembly	13	13	1
93–2271	Hose Assembly	5	34	1
93–2272	Hose Assembly	13	14	1
93–2272	Hose Assembly	5	30	1
93–2275	Screen – Filler	18	33	1
93–2276	Spring – Brake Latch	1	2	1
93–2279	Clamp – Cable	11	2	1
93–2279	Clamp – Cable	2	34	1
93–2300	Radiator	19	4	1
93–2310	Radiator Support	19	8	1
93–2320	Shroud – Fan	19	19	1
93–2329	Control – Choke	10	9	1
93–2343	Cable – Battery, Positive	15	21	1
93–2344	Cable – Battery, Negative	15	22	1
93–2344	Cable – Battery, Negative	32	36	1
93–2349	Harness – Wire	32	37	1
93–2349	Wire Harness	15	23	1
93–2350	Carrier – Center	30	7	1
93–2360	Carrier – LH	28	12	1
93–2361	Bushing – Flange	30	6	2
93–2361	Bushing – Flange	28	10	4
93–2362	Roller – Anti Scalp	30	11	4
93–2362	Roller – Anti Scalp	28	17	8
93–2363	Shaft – Roller	30	12	2
93–2363	Shaft – Roller	28	16	8
93–2368	Bushing – Flange	30	10	2
93–2368	Bushing – Flange	28	14	4
93–2369	Carrier – RH	28	11	1
93–2380	Pin	28	6	2
93–2384	Spacer – Carrier	28	28	2
93–2400	Lockup Handle	5	2	1
93–2403	Lift Arm – Center	30	4	1
93–2405	Lift Arm – RH	28	21	1
93–2407	Lift Arm – LH	28	22	1
93–2422	Rod – Seat Pivot	8	10	2
93–2424	Bracket – Cooler, Lower	19	13	2
93–2425	Bracket – Cooler, Upper	19	5	2
93–2429	Tank – Leak Detection	18	5	1
93–2430	Valve Assembly	18	11	1
93–2432	O–Ring	18	20	1
93–2433	Hose – Formed, Inlet	18	14	1
93–2434	Hose – Formed, Outlet	18	7	1
93–2435	Plate – Cover	18	1	1
93–2436	Decal – Leak Detector	18	23	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–2438	Clamp – Fuel Tank	17	3	1
93–2445	Bracket – Alternator, Lower	32	4	1
93–2446	Bracket – Alternator, Upper	32	5	1
93–2448	Housing – Thermostat	19	27	1
93–2509	Clamp – Tube	25	3	2
93–2551	Seal – Basket	28	37	2
93–2551	Seal – Basket	30	38	1
93–2552	Retainer	28	36	2
93–2552	Retainer	30	37	1
93–2553	Grass Basket Assembly	28	35	2
93–2553	Grass Basket Assembly	30	36	1
93–2578	Shroud – Console	8	19	1
93–2586	Hydrostat	20	16	1
93–2588	Spacer – Upper	32	28	2
93–2589	Hub – Pump	20	4	1
93–3101	Cap – Fuel	16	1	1
93–3614	Assembly – Cover	27	4	1
93–3615	Assembly – Drive Shaft	27	7	1
93–3616	Assembly – Idler Gear	27	6	1
93–5447	Insert – Threaded	8	28	2
93–6668	Decal – Battery	15	42	1
93–6681	Decal – Warning, Fan	19	6	1
93–6686	Decal – Hydraulic Oil	8	24	1
93–6689	Decal – No Rider	8	26	1
93–7053	Warning Light Cluster	10	5	1
93–7160	Cap – Hydraulic Oil	18	32	1
93–7252	Decal – CE Mark	8	33	1
93–7276	Decal – Danger	15	43	1
93–7494	Cartridge – N.O. Poppet	14	2	2
93–7498	Plug – Plastic	18	41	1
93–7629	Pad – Foot Brake	1	22	1
93–7840	Decal – Radiator Cap	19	12	1
93–8062	Decal – Parking Brake	1	5	1
93–8063	Decal – Warning	5	26	1
93–8064	Decal – Warning	28	29	2
93–8064	Decal – Warning	30	29	1
93–8068	Decal – Steering Arm	5	20	1
93–8069	Decal – Hot Surface	24	9	1
93–9051	Decal – Eccentric Bolt	23	28	1
94–1300	Neutral Lock	2	27	1
94–1304	Cable – Neutral Lock	11	22	1
94–1304	Cable – Neutral Lock	2	24	1
94–1307	Cable Support	23	9	1
94–1312	Spacer – Pivot	23	5	1
94–1316	Bracket – Bulkhead	26	6	1
94–1317	Tube – Hydraulic	26	7	1
94–1317	Tube – Hydraulic	13	15	1
94–1318	Tube – Hydraulic	25	20	1
94–1318	Tube – Hydraulic	26	21	1
94–1319	Tube – Hydraulic	25	21	1
94–1320	Tube – Hydraulic	25	22	1
94–1320	Tube – Hydraulic	13	34	1
94–1321	Tube – Hydraulic	26	20	1
94–1321	Tube – Hydraulic	25	23	1
94–1325	Push Mount Tie	15	16	2
94–1328	Hose Assembly	26	8	1
94–1331	Hose Assembly	13	30	1
94–1332	Hose Assembly	20	27	1
94–1332	Hose Assembly	13	33	1
94–1339	Muffler Shield	24	8	1
94–1348	Hose – Tank, Recovery	16	17	1
94–1350	Harness – Leak Detector	18	22	1
94–1352	Decal – Service	8	25	1
94–1353	Handle	11	7	1
94–1364	Plate	16	13	1
94–1369	Spring – Ext.	23	17	1
94–1371	Spacer	2	11	1
94–1372	Bracket – Mow	2	20	1
94–1373	Bracket –Lock	2	19	1
94–1374	Trunion Mow Bracket	2	22	1
94–1375	Trunion Lock Bracket	2	21	1
94–1378	Tube – Handle Pivot	11	11	1
94–1383	Pedal Pivot	2	12	1
94–1386	Shaft – Pedal Lock	2	23	1
94–1398	Tube – Pivot	30	22	1
94–1414	Valve	24	22	1
94–2579	Decal – Toro	8	27	1
94–2627	Cartridge	14	3	1
94–2690	Filter – Fuel	16	11	1
94–3011	Plug	21	18	1
94–3452	Pin – Cylinder	30	21	1
94–3456	Tube – Pivot	23	2	1
94–3457	Sender – Temperature	32	3	1
94–3461	Steering Cover	5	14	1
94–3474	Pad – Thermal	16	25	1
94–3477	Hose Assembly	13	22	1
94–3477	Hose Assembly	30	26	1
94–3483	Pull Arm	30	9	1
94–3483	Pull Arm	28	13	2
94–3486	Plate	23	34	1
94–3488	Pump Lever	23	6	1
94–3489	Screw – HH	2	26	1
94–3491	Bracket – Spring	23	19	1
94–3641	Housing Assembly	22	29	1
94–3643	Plate – Cam	22	10	1
94–3644	Seat	22	20	2
94–3645	Key	22	1	1
94–3646	Key	22	9	1
94–3652	Cover Assembly	24	21	1
94–3653	Bolt	24	26	1
94–3654	Spring – Compression	24	25	1
94–3661	Seal Kit	14	*	1
94–4353	Hose – Fuel	16	18	1
94–4398	Kit – Seal, Repair	7	*32	1
94–4517	Hose – Formed	17	21	1
94–4518	Tube – Hydraulic	17	22	1
94–4518	Tube – Hydraulic	13	27	1
94–4519	Tube – Convoluted	15	40	1
94–4522	Hose – Breather	19	24	1
94–4527	Neutral Arm	23	11	1
94–4528	Plug	19	14	2
94–4538	Spacer – Mount	32	45	3
94–4539	Hose Assembly	26	16	1
94–4539	Hose Assembly	17	27	1
94–4546	Panel – Extension	8	30	1
94–4547	Panel – Lower	8	20	1
94–4548	Bumper	28	7	2
94–4548	Bumper	30	34	1
94–4550	Decal – Service (Danish)	8	25	1
94–4551	Decal – Service (Dutch)	8	25	1
94–4552	Decal – Service (Finnish)	8	25	1
94–4553	Decal – Service (French)	8	25	1
94–4554	Decal – Service (German)	8	25	1
94–4555	Decal – Service (Italian)	8	25	1
94–4556	Decal – Service (Japanese)	8	25	1
94–4557	Decal – Service (Norwegian)	8	25	1
94–4558	Decal – Service	8	25	1
94–4559	Decal – Service (Spanish)	8	25	1
94–4560	Decal – Service (Swedish)	8	25	1
94–4929	Kit – Seal	6	*	1
94–5350	Fitting – Bulkhead Tee	26	28	2
94–5352	Retainer – Hose	26	29	1
94–5353	Tube – Hydraulic	26	31	1
94–5354	Tube – Hydraulic	26	32	1
94–5355	Hose Assembly	20	26	1
94–5356	Hose Assembly	20	35	1
94–5357	Hose Assembly	26	26	2
94–5357	Hose Assembly – RH	3	7	2
94–5358	Hose Assembly	26	30	2
94–5358	Hose Assembly – LH	3	8	2

*Not Illustrated

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Part No.	Description	Pg. No.	Ref. No.	Qty.
94–5359	Bracket – Air Cleaner	24	2	1
94–5438	Seal – Solenoid	14	19	8
94–6351	Cartridge – Relief 150 psi	14	13	1
94–6352	Plug – Cavity	14	18	1
94–6353	Cartridge Valve Assembly	14	15	1
94–6354	Plug – Orifice	14	14	1
94–6357	Hydraulic Cylinder Assembly	30	2	1
94–6359	Shaft – Drive	22	2	1
94–6360	Plate – Valve	22	13	1
94–6361	Back Plate Assembly	22	16	1
94–6362	Seal Repair Kit	22	*	1
94–6363	Bearing	22	3	1
94–6368	Bearing	22	14	1
94–6370	Alternator Guard Assembly	19	29	1
94–6383	Hose Assembly	20	44	1
94–6384	Hose Assembly	20	25	1
94–6385	Valve – Relief	20	40	1
94–6386	Cartridge – Relief Valve	20	47	1
94–6391	Gear Pump – 2 Section	20	28	1
94–6953	Console	10	1	1
94–8153	Muffler	24	7	1
94–8155	Bracket – Bulkhead	26	14	1
94–8156	Shield – Dust	32	47	1
94–8158	Screw – Cap	21	11	8
94–8160	Washer	21	17	4
94–8161	Kit – Seal Repair	21	*	1
94–8165	Plate – Mounting	18	6	1
94–8166	O–Ring	18	42	1
94–8167	Hose Assembly	20	37	1
94–8168	O–Ring	20	2	1
94–8174	Hose – Pump Inlet	20	24	1
217–60	Rim	3	23	2
217–60	Rim	7	23	1
218–446	Washer – Lock	10	15	1
218–447	Nut – Hex.	10	16	1
218–473	Boot – Toggle Switch	18	18	1
218–498	Nut – Lock	10	24	3
218–589	Washer – Lock	10	25	1
218–590	Switch – Micro	10	18	2
2112–9	Clamp	24	10	2
232–24	Stem – Valve	3	22	2
232–27	Valve Stem w/Cap	7	29	1
233–42	Knob	11	21	1
233–48	Knob	5	1	1
237–21	O–Ring	13	21	7
237–21	O–Ring	26	25	1
237–21	O–Ring	25	29	4
237–21	O–Ring	30	30	2
237–21	O–Ring	28	31	4
237–21	O–Ring	7	31	2
237–21	O–Ring	5	35	2
237–22	O–Ring	13	19	1
237–22	O–Ring	25	25	1
237–22	O–Ring	17	28	1
237–22	O–Ring	20	31	6
237–30	O–Ring	26	22	2
237–30	O–Ring	25	27	4
237–30	O–Ring	20	30	1
237–30	O–Ring	13	31	1
237–42	O–Ring	14	7	6
237–42	O–Ring	13	18	1
237–42	O–Ring	25	26	1
237–42	O–Ring	17	29	1
237–42	O–Ring	5	36	1
237–42	O–Ring	20	39	2
237–58	O–Ring	17	20	1
237–58	O–Ring	13	28	1
237–65	O–Ring	13	16	3
237–65	O–Ring	26	27	3
237–65	O–Ring	3	30	4
237–65	O–Ring	20	32	3
237–78	O–Ring	13	23	7
237–78	O–Ring	26	24	1
237–78	O–Ring	25	30	4
237–78	O–Ring	28	30	4
237–78	O–Ring	7	30	2
237–78	O–Ring	30	31	2
237–78	O–Ring	18	40	1
237–79	O–Ring	14	11	1
237–79	O–Ring	26	23	2
237–79	O–Ring	25	28	4
237–79	O–Ring	20	29	3
237–79	O–Ring	5	29	4
237–79	O–Ring	13	32	1
237–79	O–Ring	18	36	4
237–80	O–Ring	14	16	2
237–80	O–Ring	13	17	2
237–80	O–Ring	18	19	1
237–80	O–Ring	3	31	4
237–81	O–Ring	17	17	3
237–81	O–Ring	13	29	1
237–81	O–Ring	20	34	3
237–100	Grommet	8	12	1
237–123	O–Ring	18	25	1
237–146	O–Ring	17	26	1
237–156	O–Ring	14	5	9
240–3	Grommet – Rubber	26	11	4
240–3	Grommet – Rubber	25	24	4
240–11	Grommet	16	3	3
240–11	Grommet	17	13	4
240–11	Grommet	18	15	2
242–50	Nut – Lug	3	1	8
242–50	Nut – Lug	7	8	4
2411–34	Ball Joint	23	26	1
2411–34	Ball Joint	2	29	1
2411–38	Ball Joint	11	1	1
2411–38	Ball Joint Assembly	2	7	1
2412–34	Clamp – Hose	19	1	4
2412–34	Clamp – Hose	20	1	2
2412–34	Clamp – Hose	17	25	1
2412–36	Clamp – Hose	18	8	4
2412–36	Clamp – Hose	16	10	2
2412–39	Clamp – R	15	39	2
2412–41	Clamp – R	16	20	4
2412–41	Clamp – R	19	26	1
2412–92	Clamp – Hose	24	19	2
2412–92	Clamp – Hose	32	35	1
2412–92	Clamp – Hose	19	36	1
2412–104	Clamp – R	15	20	3
2412–108	Clamp – Hose	32	7	3
2412–108	Clamp – Hose	19	20	3
2412–108	Clamp – Hose	16	22	4
2412–129	Clamp – Hose	17	23	2
2412–133	Clamp – R	8	17	2
2412–134	Clamp – R	26	15	2
2412–137	Clamp – Tube, Double	26	34	1
251–259	Bearing – Ball	23	16	1
251–259	Bearing – Ball	11	19	1
252–66	Bearing – Thrust	22	32	1
252–71	Race – Bearing	22	31	2
252–95	Bearing – Thrust	22	8	2
253–111	Seal – Shaft	7	24	2
254–61	Bearing – Cup	7	19	2
254–70	Bearing Cone	7	18	2
254–78	Cone – Bearing	7	25	2
254–79	Cup – Bearing	7	26	2
256–311	Bushing – Straight	11	8	1
256–311	Bushing – Straight	2	13	4
281–10	Plug – Pipe	17	5	1
282–2	Clevis	1	19	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
283–8	Pin – Clevis	30	3	1
283–8	Pin – Clevis	28	9	2
283–61	Pin – Clevis	1	18	2
283–72	Pin – Lynch	8	9	1
283–87	Pin – Clevis	1	23	2
285–17	Plug	24	20	1
302–5	Fitting – Grease	2	38	1
302–5	Fitting – Grease, Str.	7	21	1
302–55	Fitting – Grease	7	27	1
302–60	Fitting – Grease 90˚	30	32	1
302–60	Fitting – Grease 90˚	28	33	2
302–60	Fitting – Grease, 90˚	7	11	2
322–2	Screw – HH	8	2	2
323–4	Screw – HH	5	18	2
323–4	Screw – HH	23	20	2
323–11	Screw – HH	32	19	3
325–4	Screw – HH	5	10	2
325–6	Screw – HH	28	26	2
325–6	Screw – HH	30	27	1
327–17	Screw – HH	30	24	1
3210–6	Screw – HH	23	8	1
3211–2	Screw – HH	28	15	8
3211–2	Screw – HH	30	25	4
3213–1	Screw – HH	30	14	1
3213–1	Screw – HH	28	19	2
3218–2	Nut – Jam	15	29	2
3218–5	Nut – Jam	28	27	2
3218–5	Nut – Jam	30	28	1
3219–14	Nut – Hex.	2	40	1
3219–14	Nut – Jam	11	23	1
3220–1	Nut – Jam	23	38	1
3220–1	Nut – Jam	2	39	1
3220–2	Nut – Jam	1	3	2
3220–2	Nut – Jam	23	32	1
3220–6	Nut – Jam	7	17	4
3220–20	Nut – Jam	3	15	2
3241–6	Screw – SQH	20	5	2
3242–2	Screw – Set	5	22	1
3254–2	Washer – Lock	15	13	1
3254–2	Washer – Lock, Int	32	6	1
3256–1	Washer – Flat	25	2	2
3256–1	Washer – Flat	17	15	2
3256–1	Washer – Flat	8	23	3
3256–1	Washer – Flat	2	28	2
3256–1	Washer – Flat	18	30	5
3256–3	Washer – Flat	20	7	4
3256–3	Washer – Flat	32	42	1
3256–7	Washer – Flat	30	8	1
3256–22	Washer – Flat	26	19	2
3256–22	Washer – Flat	19	31	4
3256–22	Washer – Flat	23	31	1
3256–22	Washer – Flat	15	38	2
3256–22	Washer – Flat	20	41	2
3256–23	Washer	19	30	1
3256–23	Washer – Flat	8	3	4
3256–23	Washer – Flat	3	11	2
3256–23	Washer – Flat	16	14	2
3256–23	Washer – Flat	18	17	2
3256–24	Washer – Flat	15	10	1
3256–24	Washer – Flat	11	14	1
3256–24	Washer – Flat	20	19	4
3256–24	Washer – Flat	2	35	2
3256–24	Washer – Flat	20	46	2
3256–26	Washer – Flat	5	11	2
3256–26	Washer – Flat	32	31	8
3256–27	Washer – Flat	1	24	2
3256–77	Washer – Flat	8	7	6
3257–42	Key – Woodruff	3	5	2
3257–42	Key – Woodruff	4	17	1
3269–15	Rivet – Pop	19	21	8
3272–6	Pin – Cotter	1	20	2
3272–11	Pin – Cotter	30	16	1
3272–11	Pin – Cotter	28	23	2
3272–11	Pin – Cotter	1	25	2
3272–37	Pin – Cotter	7	2	1
3273–26	Screw – HSH	11	6	2
3273–26	Screw – HSH	10	11	4
3274–1	Screw – HH	20	20	2
3274–12	Screw – HSH	8	29	4
3274–39	Screw – HSBH	8	6	9
3274–39	Screw – HSBH	5	13	6
3274–39	Screw – HSBH	18	27	1
3274–63	Screw – HSBH	5	7	2
3274–80	Screw – HSBH	5	21	3
3290–55	Rivet – Pop	28	38	16
3290–55	Rivet – Pop	30	39	8
3290–93	Screw – HH	10	19	4
3290–277	Nut – Speed	5	25	6
3290–354	Plate – Nut	10	17	2
3290–357	Nut – Flange	32	20	3
3290–378	Tie – Cable	10	12	2
3290–378	Tie – Cable	8	18	1
3290–378	Tie – Cable	19	23	1
3290–378	Tie – Cable	7	33	1
3290–378	Tie – Cable	26	36	1
3290–378	Tie – Cable	15	41	2
3290–378	Tie – Cable	32	46	1
3290–415	Rivet – Pop	15	24	2
3290–488	Boot – Control, Lift	10	20	1
3290–489	Knob – Control, Lift	10	21	1
3296–2	Nut – Lock	15	17	2
3296–4	Nut – Lock Elastic	23	14	1
3296–12	Nut – Lock	8	8	9
3296–12	Nut – Lock	18	28	1
3296–13	Nut – Lock	23	27	1
3296–13	Nut – Lock	2	30	1
3296–19	Nut – Lock	30	13	1
3296–19	Nut – Lock	28	18	2
3296–27	Nut – Lock	11	4	1
3296–29	Nut – Lock	8	15	4
3296–29	Nut –Hex	23	25	1
3296–53	Nut – Hex	30	23	1
3296–67	Nut – Lock NI	7	9	1
32105–13	Screw – HH	15	18	2
32120–8	Ring – Retaining	29	7	1
32120–8	Ring – Retaining	31	7	1
32120–72	Ring – Retaining, Ext.	30	18	2
32121–6	Pin – Roll	30	33	2
32121–6	Pin – Roll	28	34	4
32121–7	Pin – Spring	8	11	2
32121–45	Roll Pin	2	5	1
32128–20	Nut – Lock	2	25	2
32136–9	Nut – Hex	7	1	1
32141–111	Nut – Adjustable	1	7	1
32144–14	Screw – HH	24	1	2
32144–14	Screw – HH	26	3	6
32144–14	Screw – HH	17	4	2
32144–14	Screw – HH	15	5	13
32144–14	Screw – HH	16	6	7
32144–14	Screw – HH	19	7	2
32144–14	Screw – HH	28	8	4
32144–14	Screw – HH	1	10	5
32144–14	Screw – HH	2	10	8
32144–14	Screw – HH	8	21	2
32144–14	Screw – HWH	32	48	2
32144–21	Screw – Phillips Pan Head	5	28	2
32144–44	Screw – HWH	28	32	2
32144–44	Screw – HWH	30	35	1
32149–8	Nut – Keps	10	8	2
32149–8	Nut – Keps	11	18	2

*Not Illustrated

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Part No.	Description	Pg. No.	Ref. No.	Qty.
32151–13	Ring – Retaining	22	35	1
32151–29	Ring – Retaining	22	30	2
32151–41	Ring – Retaining	27	13	1
32151–104	Ring – Retaining, Ext.	7	12	2
33014–00	Nut – Hex	2	37	1
33023–00	Nut – Lock	1	1	2
33023–00	Nut – Lock	23	1	1
33023–00	Nut – Lock	2	15	2
33023–00	Nut – Lock	20	45	2
33023–00	Nut – Lock Nl	15	3	5
33023–00	Nut – Lock Nl	25	4	2
33023–00	Nut – Lock Nl	32	8	1
33023–00	Nut – Lock Nl	26	18	2
33023–00	Nut – Lock Nl	3	19	8
33023–00	Nut – Lock Nl	19	28	4
33023–00	Nut – Lock Nl (Europe)	8	32	1
33024–00	Nut – Lock	1	8	1
33024–00	Nut – Lock	2	17	4
33024–00	Nut – Lock	23	21	3
33024–00	Nut – Lock	26	33	1
33024–00	Nut – Lock Nl	10	3	4
33024–00	Nut – Lock Nl	24	3	4
33024–00	Nut – Lock Nl	11	5	1
33024–00	Nut – Lock Nl	19	9	6
33024–00	Nut – Lock Nl	20	13	2
33024–00	Nut – Lock Nl	32	16	11
33024–00	Nut – Lock Nl	3	18	2
33024–00	Nut – Lock Nl	18	31	4
33025–00	Nut – Lock	2	33	1
33025–00	Nut – Lock	23	37	3
33025–00	Nut – Lock	32	43	1
33025–00	Nut – Lock Nl	15	9	1
33025–00	Nut – Lock Nl	11	13	1
33025–00	Nut – Lock Nl	20	14	2
33026–00	Nut – Lock Nl	32	32	4
33113–008	Screw – HH	11	3	2
33113–008	Screw – HH	25	19	1
33113–016	Screw – HH	15	12	3
33113–016	Screw – HH	26	17	2
33113–016	Screw – HH	17	18	2
33113–016	Screw – HH	18	21	5
33113–016	Screw – HH	19	22	4
33113–016	Screw – HH	8	22	3
33113–016	Screw – HH	32	26	5
33113–020	Screw – HH	19	15	2
33113–020	Screw – HH	3	16	8
33113–030	Screw – HH	23	3	1
33113–030	Screw – HH (Europe)	8	31	1
33113–050	Screw – HH	25	1	2
33113–050	Screw – HH	20	42	2
33113–070	Screw – HH	15	2	2
33114–016	Screw – HH	32	9	1
33114–016	Screw – HH	13	12	2
33114–016	Screw – HH	16	15	2
33114–016	Screw – HH	2	32	4
33114–020	Screw – HH	10	2	4
33114–020	Screw – HH	24	4	4
33114–020	Screw – HH	1	9	1
33114–020	Screw – HH	20	11	5
33114–020	Screw – HH	19	18	6
33114–020	Screw – HH	23	24	1
33114–020	Screw – HH	26	35	1
33114–020	Screw – HHF	32	15	19
33114–025	Screw – HH	24	13	4
33114–025	Screw – HH	23	22	1
33114–030	Screw – HH	20	12	2
33114–030	Screw – HH	3	17	2
33114–030	Screw – HH	11	20	1
33114–030	Screw – HH	23	23	1
33114–090	Screw – HH	18	9	4
33115–016	Screw – HH	2	36	1
33115–020	Screw – HH	17	16	2
33115–025	Screw – HH	17	11	4
33115–025	Screw – HH	16	16	3
33115–025	Screw – HH	18	24	2
33115–035	Screw – HH	23	33	3
33115–040	Screw – HH	15	8	1
33115–040	Screw – HH	11	12	1
33115–040	Screw – HH	20	15	2
33115–050	Screw – HH	32	41	1
33115–090	Screw – HH	2	14	1
33116–060	Screw – HH	3	20	8
33116–130	Screw – HH	32	30	4
33123–016	Screw – Carriage	1	6	2
33124–020	Screw – Carr.	2	6	2
340–2	Fitting – Hydraulic	17	2	1
340–2	Fitting – Hydraulic	25	16	1
340–4	Fitting – Hydraulic	25	8	2
340–7	Fitting – Hydraulic	13	2	1
340–8	Fitting – Hydraulic	20	17	2
340–9	Fitting – Hydraulic	17	7	1
340–9	Fitting – Hydraulic	13	8	1
340–14	Fitting – 45˚	3	9	4
340–14	Fitting – Hydraulic	13	35	1
340–17	Fitting – Hydraulic 90˚	13	5	1
340–18	Fitting – Hydraulic	20	21	1
340–70	Nut – Bulkhead	26	2	1
340–74	Nut – Bulkhead	26	1	4
340–74	Nut – Bulkhead	25	10	4
340–77	Fitting – Hydraulic	20	38	1
340–77	Fitting – Hydraulic 90˚	13	6	1
340–92	Fitting – Hydraulic	25	7	4
340–92	Fitting – Hydraulic	13	9	3
340–92	Fitting – Hydraulic	26	12	1
340–94	Fitting – Tee	20	43	1
340–98	Fitting – Hydraulic 90˚	20	3	1
340–98	Fitting – Hydraulic 90˚	25	6	2
340–98	Fitting – Hydraulic 90˚	26	13	2
340–103	Fitting – Hydraulic 45˚	13	10	1
340–115	Fitting – Tee	20	36	1
340–132	Fitting – Hydraulic	7	15	2
340–132	Fitting – Hydraulic 90˚	30	1	1
340–132	Fitting – Hydraulic 90˚	28	2	4
340–132	Fitting – Hydraulic 90˚	13	7	1
340–133	Fitting – Hydraulic	5	17	2
340–138	Fitting – Hydraulic 45˚	13	3	1
340–139	Fitting – Hydraulic 90˚	20	18	1
340–140	Tee – Hydraulic	13	11	1
353–599	Pin–Dowel	27	3	2
353–988	Plug	17	19	1
353–988	Plug	20	22	1
353–988	Plug	14	10	1
353–989	Plug	14	6	6
353–990	Plug	18	39	1
353–991	Plug	25	5	1
353–991	Plug	14	4	9
354–46	Ring–Seal	27	8	1
354–50	Screw–Hex Socket Hd.	27	1	4
354–51	Washer	27	2	4
354–70	Plug	14	17	2
354–73	Fitting – Hydraulic	17	9	2
354–78	Fitting – Barb	17	1	1
354–120	Fitting – Barb	18	13	2
354–121	Fitting – Barb	18	10	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 3200 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 3200, 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 3200.
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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PRODUCT CHANGES

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COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

MAINTENANCE RECORD

Date								

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

Litho in U.S.A.