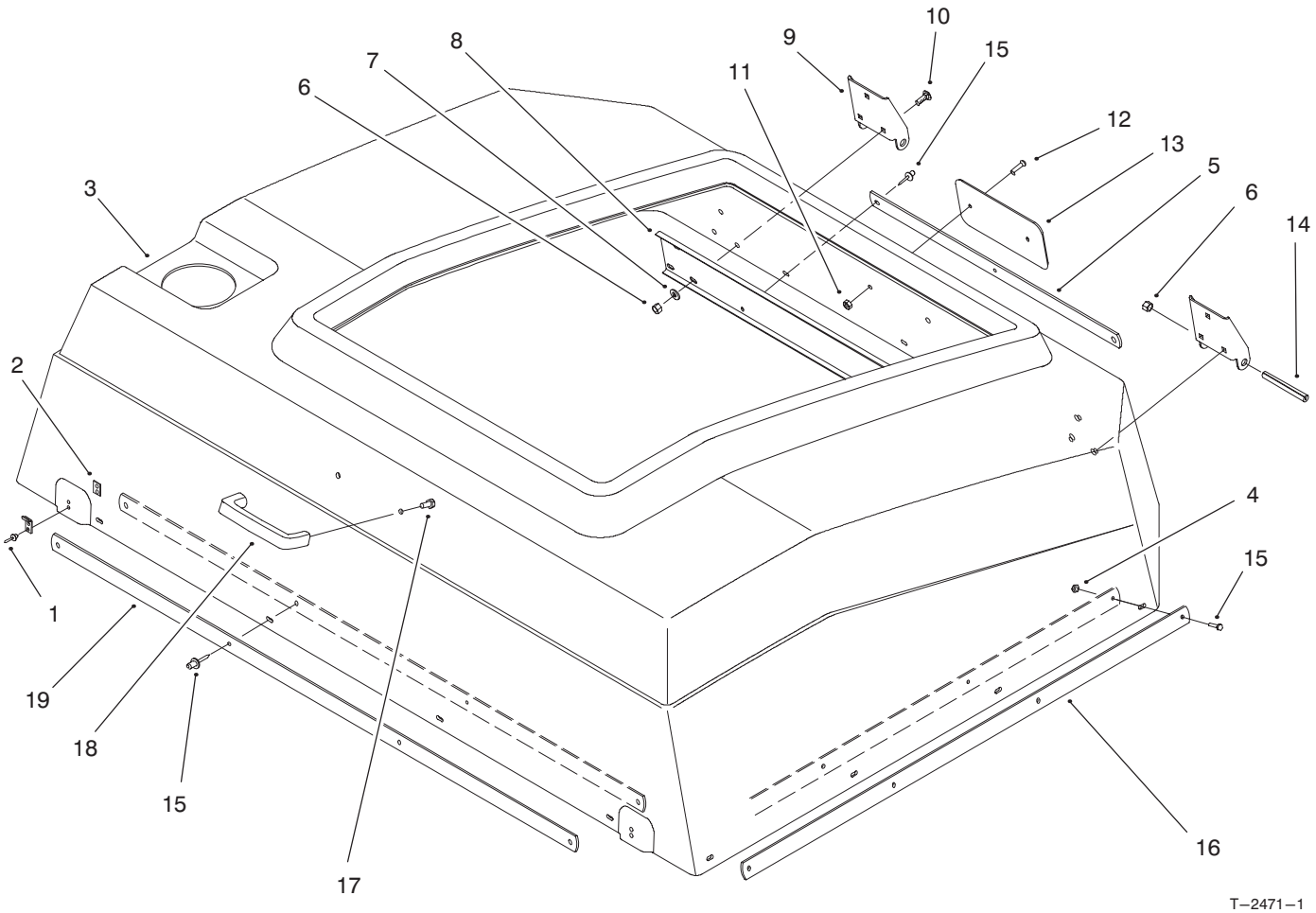
FORM NO. 3318–842 Rev. A

TORO®

MODEL NO. 09850–60001 & UP

PARTS CATALOG

HYDROJECT™ 4000



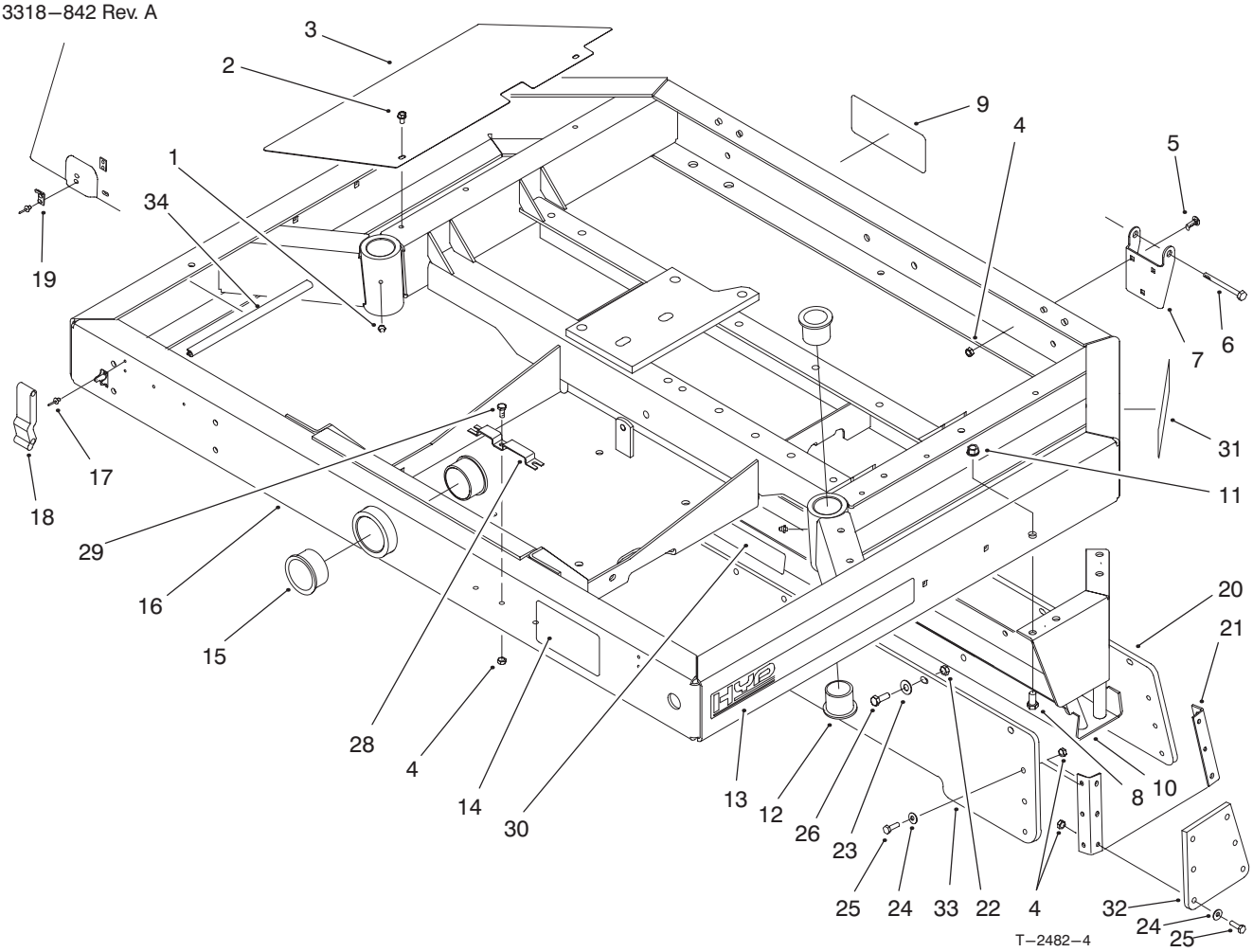
COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–25	Rivet – Pop	4
2	80–9260	Plate – Back Up	2
3	94–6452	Shroud	1
5	94–6526	Strap – Hood, Rear	1
6	3296–42	Nut – Hex. Lock	8
7	3256–22	Washer – Flat	6
8	94–6525	Channel – Hinge, Support	1
9	80–9080	Hinge	2
10	3229–1	Bolt – Carriage	6

Ref. No.	Part No.	Description	No. Used
11	3296–12	Nut – Lock	2
12	3290–470	Screw – Machine	2
13	61–3310	Plate – Logo	1
14	80–9310	Spacer – Tubular	2
15	3269–28	Rivet – Pop	15
16	94–6523	Strap – Hood, Side	4
17	46–8091	Screw – Tapping	2
18	65–5100	Handle – Hood	1
19	94–6524	Strap – Hood, Front	2

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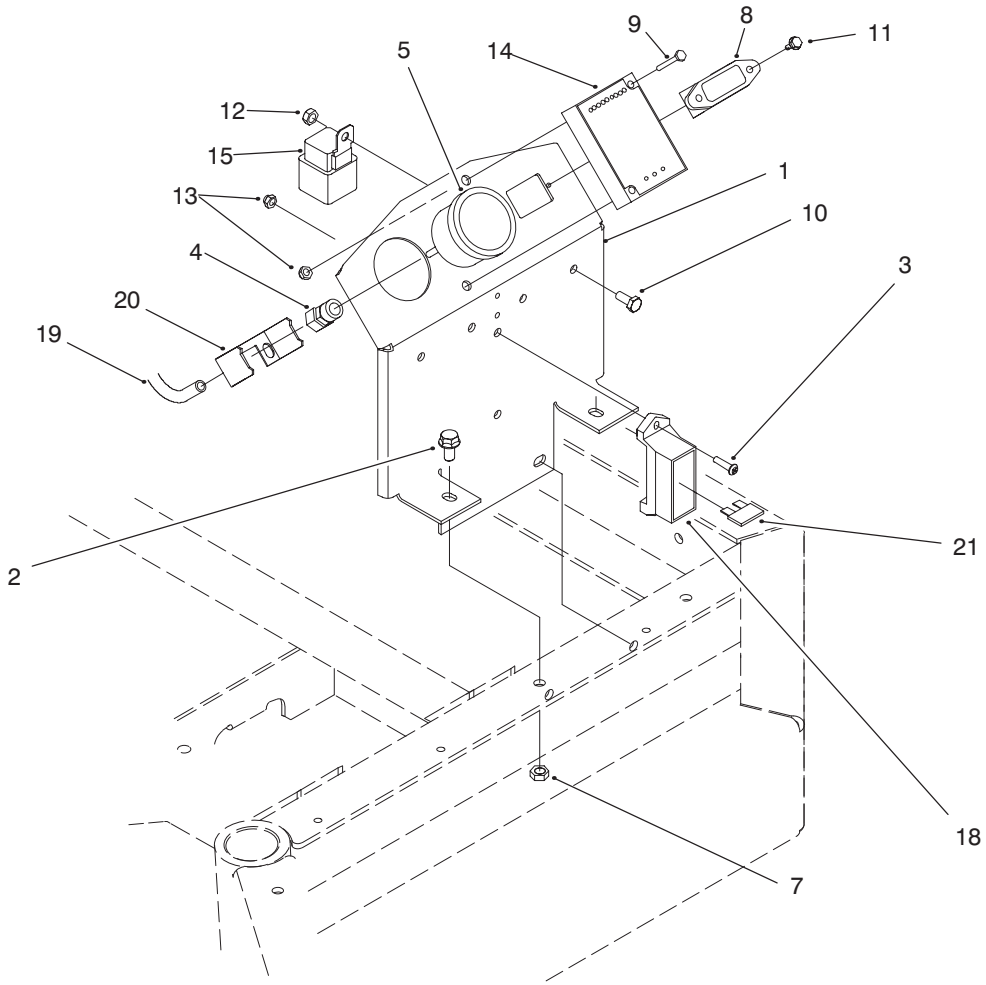
TPS



FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	302–5	Fitting – Grease, Straight	2
2	32144–4	Screw – HH	4
3	94–6562	Shield – Splash	2
4	3296–42	Nut – Hex. Lock	33
5	3229–1	Bolt – Carriage	6
6	321–28	Screw – HH	2
7	80–9080	Hinge	2
8	323–4	Screw – HH	8
9	80–8880	Decal – Warning	1
10	94–6557	Guard	1
11	32128–19	Nut – Hex. Lock	8
12	69–6470	Bushing	4
13	94–6495	Decal – Hydroject 4000	2
14	92–9542	Decal – Important	1
15	93–4665	Bushing – Flange	2
16	94–6623	Frame Assembly (Incl. Ref. #1, 9, 12–15 & 30–31)	1

Ref. No.	Part No.	Description	No. Used
17	3296–25	Rivet – Pop	4
18	80–6980	Soft Latch Assembly (Incl. Ref. #19)	2
19		Keeper – Latch	2
20	94–6505	Flap	1
21	95–2563	Bracket – Angle	4
22	3296–29	Nut – Hex. Lock	16
23	3256–35	Washer – Flat	16
24	3256–58	Washer – Flat	24
25	321–4	Screw – HH	24
26	322–5	Screw – HH	16
28	94–6496	Strap – Connector	1
29	321–3	Screw – HH	3
30	92–2555	Decal – Warning	2
31	95–2554	Decal – Warning	2
32	95–2564	Flap – Side	1
33	95–2565	Flap – Front	1
34	57–6040	Trim – Front Guard	1



T−2473−2

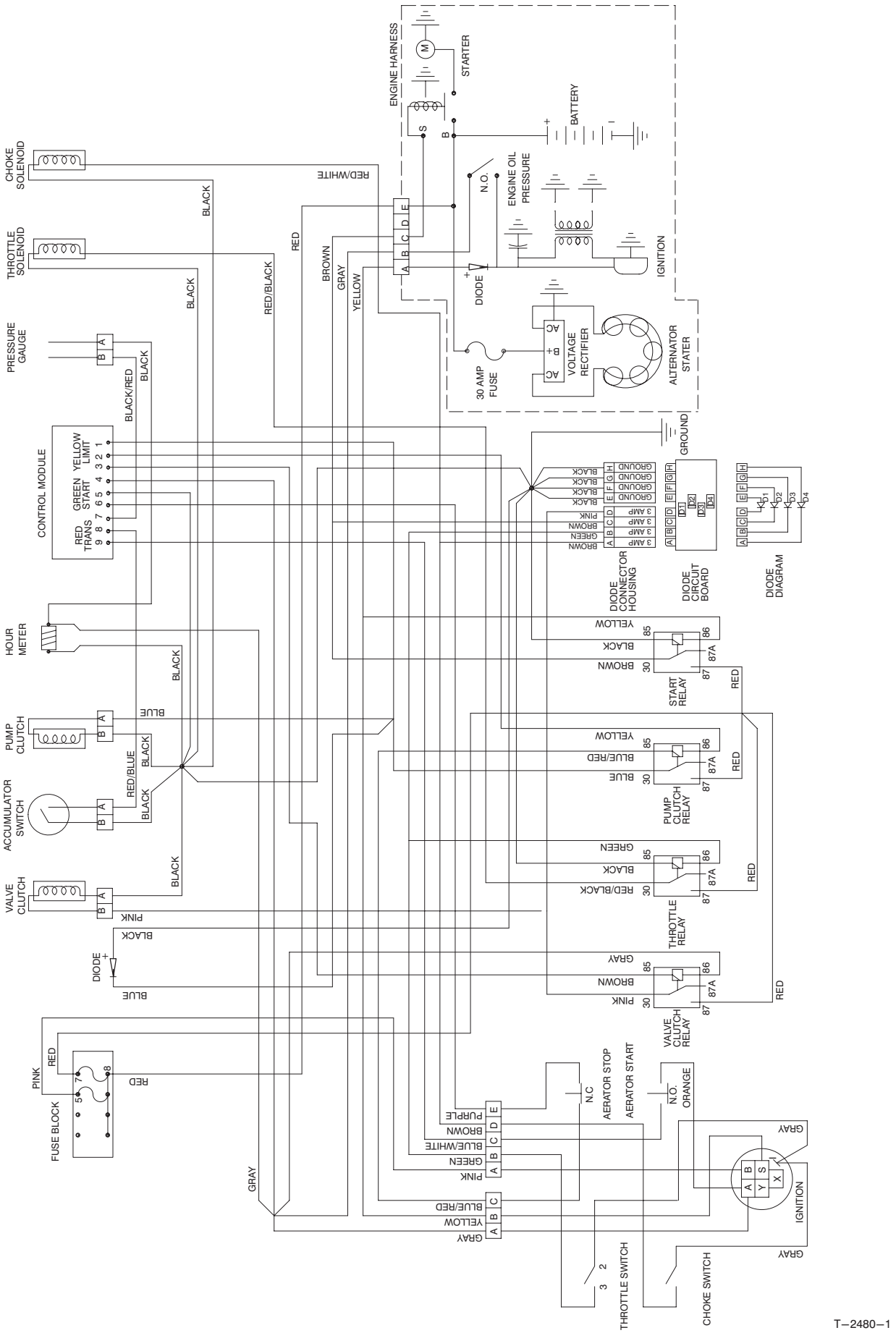
CONTROL PANEL ASSEMBLY

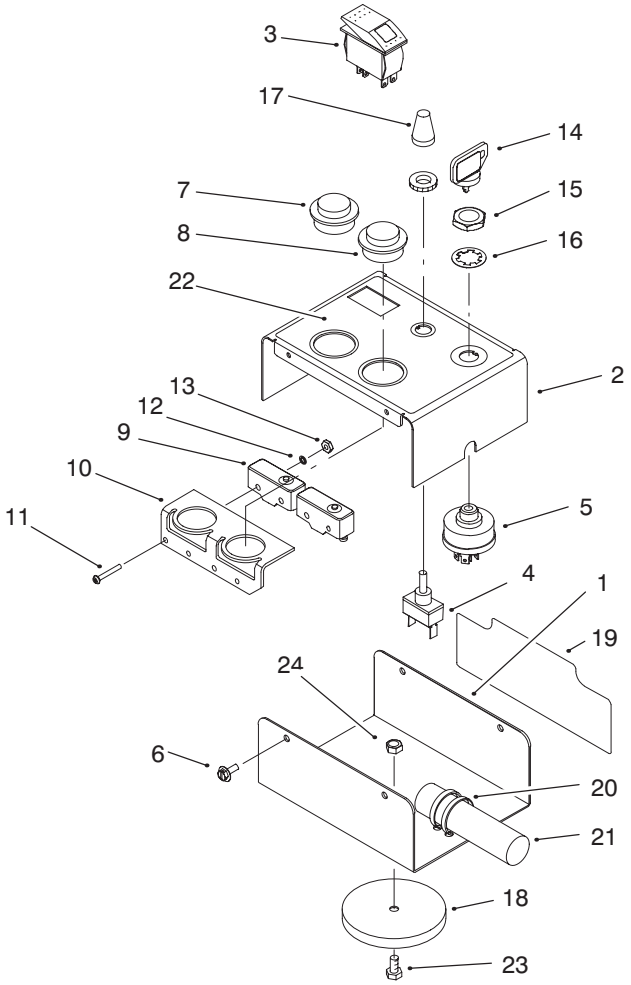
Ref. No.	Part No.	Description	No. Used
1	94−6478	Bracket − Relay Mount	1
2	3234−7	Screw − HH	4
3	3250−13	Screw − PPH	2
4	354−102	Fitting − Reducer	1
5	80−5640	Gage − Pressure Switch (Incl. Ref. #20)	1
7	3296−29	Nut − Hex. Lock	4
8	75−6820	Hour Meter	1
9	32105−5	Screw − HSH	2
10	321−3	Screw − HH	4
11	32144−18	Screw − HWH	2

Ref. No.	Part No.	Description	No. Used
12	3296−42	Nut − Hex. Lock	4
13	3296−2	Nut − Lock	4
14	86−9060	Control − Electric	1
15	70−1480	Relay	4
17	218−578	Fuse − 10 Amp	1
†18		Fuse Block	1
19	94−6555	Hose	1
†20		Clamp − Gage	1
21	218−594	Fuse − 20 Amp	1
*	92−3188	Diode − Circuit Board	1

*Not Illustrated
†Not serviced separately.

ELECTRICAL SCHEMATIC



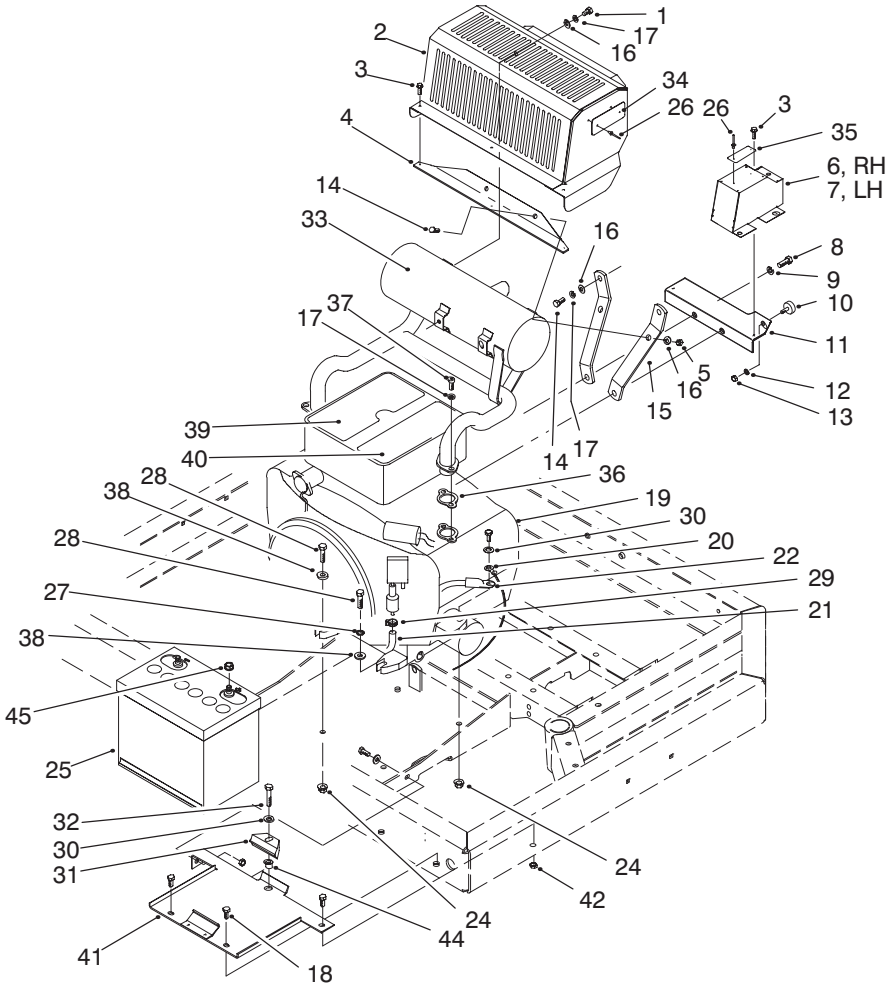


T–2479–2

CONTROL BOX ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–6625	Control Panel – Base (Incl. Ref. #19)	1
2	94–6624	Control Panel – Top (Incl. Ref. #22)	1
3	93–5476	Switch	1
4	20–7150	Switch – Toggle	1
5	27–2360	Switch – Ignition (Incl. Ref. #15 & 16)	1
6	12–5450	Screw – Thread Form	4
7	80–9290	Button – Push (Green)	1
8	80–9300	Button – Push (Red)	1
9	80–9280	Switch Assembly	2
10	80–9270	Bracket – Switch	1
11	3250–35	Screw – PPH	4

Ref. No.	Part No.	Description	No. Used
12	3254–9	Washer – Lock, Int.	4
13	3217–29	Nut – Hex.	4
14	63–8360	Key – Ignition	1
15	218–446	Washer – Lock	1
16	218–447	Nut – Hex.	1
17	218–473	Boot – Toggle Switch	1
18	92–0256	Magnet – 90#	1
19	94–6550	Decal – Control Box	1
20	3290–378	Tie – Cable	2
21	94–6492	Wire Harness – Front	1
22	94–6552	Decal – Control Box	1
23	321–3	Screw – HH	1
24	3296–42	Nut – Lock NI	1

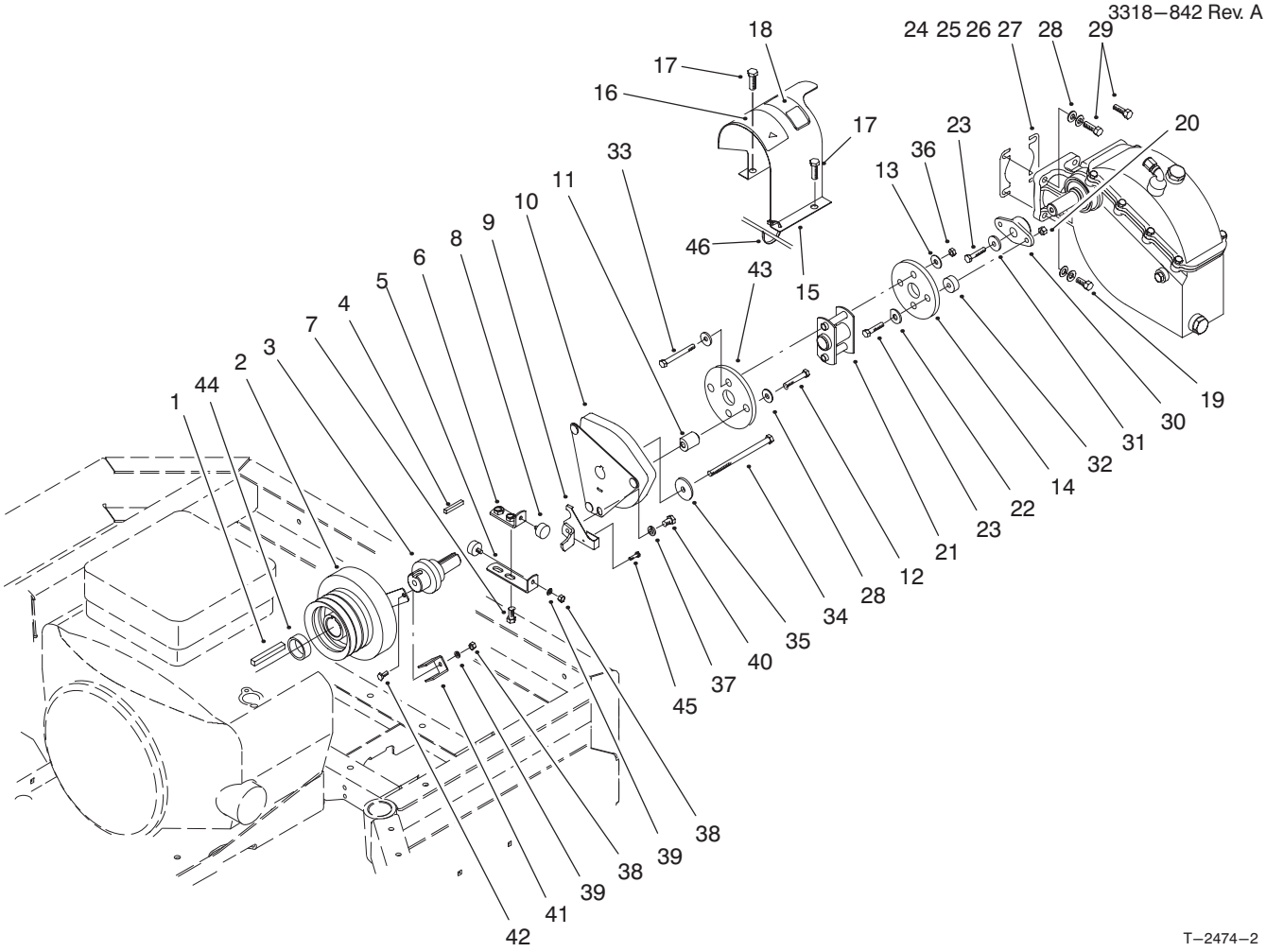


T–2472–1

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–1	Screw – HH	2
2	14–5229	Muffler Shield Assembly (Incl. Ref. #26 & 34)	1
3	32144–4	Screw – HWH	5
4	80–9150	Support – Muffler Shield	1
5	32152–1	Nut – Lock	2
6	14–5249	Cover – Exhaust, Right (Incl. Ref. #26 & 35)	1
7	14–5239	Cover – Exhaust, Left (Incl. Ref. #26 & 35)	1
8	323–6	Screw – HH	2
9	3253–21	Washer – Spring Lock	2
10	240–14	Bumper	1
11	80–7700	Bracket – Support	1
12	3253–3	Washer – Spring Lock	1
13	3217–5	Nut – Hex.	1
14	322–4	Screw – Hex. Hd.	4
15	80–7680	Support – Muffler	2
16	3256–23	Washer – Flat	6
17	3253–4	Washer – Spring Lock	8
18	3234–7	Screw – HH	4
19	94–6510	Engine (Incl. Ref. #23)	1
20	94–6491	Wire Harness – Main (Incl. Ref. #17–18 & 21)	1

Ref. No.	Part No.	Description	No. Used
21	94–6616	Hose – Fuel	1
22	86–8470	Cable – Battery, Negative	1
23	71–5960	Filter – Fuel	1
24	32128–21	Nut – Lock HFH	4
25	80–6791	Battery	1
26	3269–32	Rivet – Pop	10
27	3255–9	Washer – Ext. Lock	1
28	323–19	Screw – HH	4
29	2412–108	Clamp – Hose	1
30	3256–24	Washer – Flat	3
31	66–2490	Retainer – Battery	1
32	323–9	Screw – HH	1
33	80–5650	Muffler – Exhaust	1
34	80–8290	Plate – Hot Surface	3
35	80–9350	Plate – Hot Surface	2
36	82–1520	Gasket – Exhaust, Twin	2
37	3274–10	Screw – HSH	4
38	52–5980	Spacer	2
39	94–6513	Decal – Service	1
40	94–6512	Decal – Quick Reference	1
41	94–6514	Battery Base	1
42	3296–29	Nut – Hex. Lock	4
44	32148–9	Insert – Threaded	1
45	94–6502	Cable – Battery, Positive	1

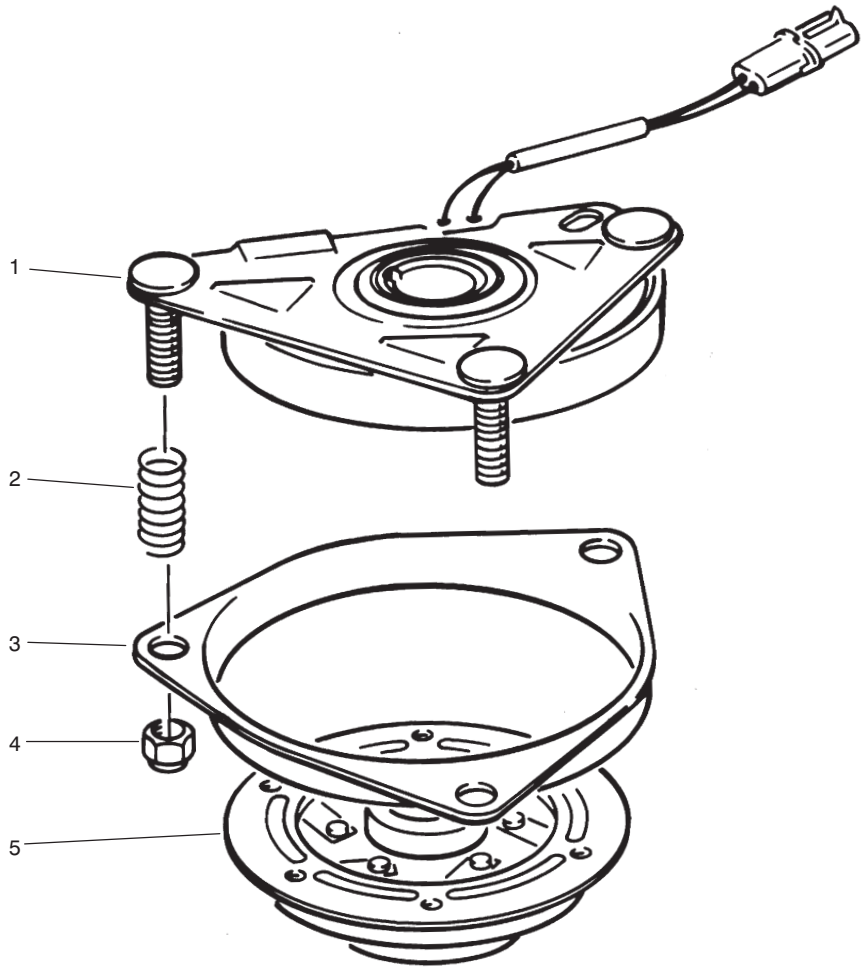


T–2474–2

GEARBOX DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–6584	Key – Engine	1
2	94–6564	Clutch Assembly	1
3	94–6509	Spacer – Engine	1
4	7–0238	Key – Square	1
5	94–6566	Stop – Clutch	1
6	94–6567	Clutch – Stop	1
7	323–6	Screw – HH	2
8	240–14	Bumper	2
9	94–6569	Clutch Stop	1
10	86–8160	Brake Clutch Assembly	1
11	80–9920	Spacer – Coupler	2
12	323–10	Screw – HH	2
13	3256–71	Washer – Flat	4
14	80–8650	Coupling – Rubber	1
15	94–6626	Drive Shield Assembly (Incl. Ref. #16 & 18)	1
16	80–8000	Decal – Warning	1
17	32144–67	Screw – HWH	2
18	80–8040	Decal – Caution	1
19	323–46	Screw – HHF	2
20	32152–5	Nut – Lock	2
21	86–8950	Drive Coupler Assembly	1
22	80–8620	Spacer – Rubber Coupler	2
23	3210–8	Screw – HH	3

Ref. No.	Part No.	Description	No. Used
24	80–7050	Shim – Gearbox .002 Red	A/R
25	80–7051	Shim – Gearbox .005 Blue	A/R
26	80–7052	Shim – Gearbox .015 Pink	A/R
27	80–7053	Shim – Gearbox .020 Yellow	A/R
28	3256–24	Washer – Flat	10
29	323–44	Screw – HH	2
30	80–8180	Hub – Adapter	1
31	80–8570	Washer	1
32	80–8660	Spacer	2
33	3210–14	Screw – HH	2
34	3211–38	Screw – HH	1
35	80–8560	Washer	1
36	3296–20	Nut – Lock NI	2
37	3253–21	Washer – Spring Lock	1
38	3217–5	Nut – Hex.	3
39	3253–3	Washer – Spring Lock	3
40	323–2	Screw – HH	1
41	94–6565	Retainer – Clutch	1
42	321–3	Screw – HH	1
43	80–9910	Coupler – Drive	1
44	94–6563	Spacer – Clutch	1
45	32144–53	Screw – SHWH	1
46	3290–378	Tie – Cable	1

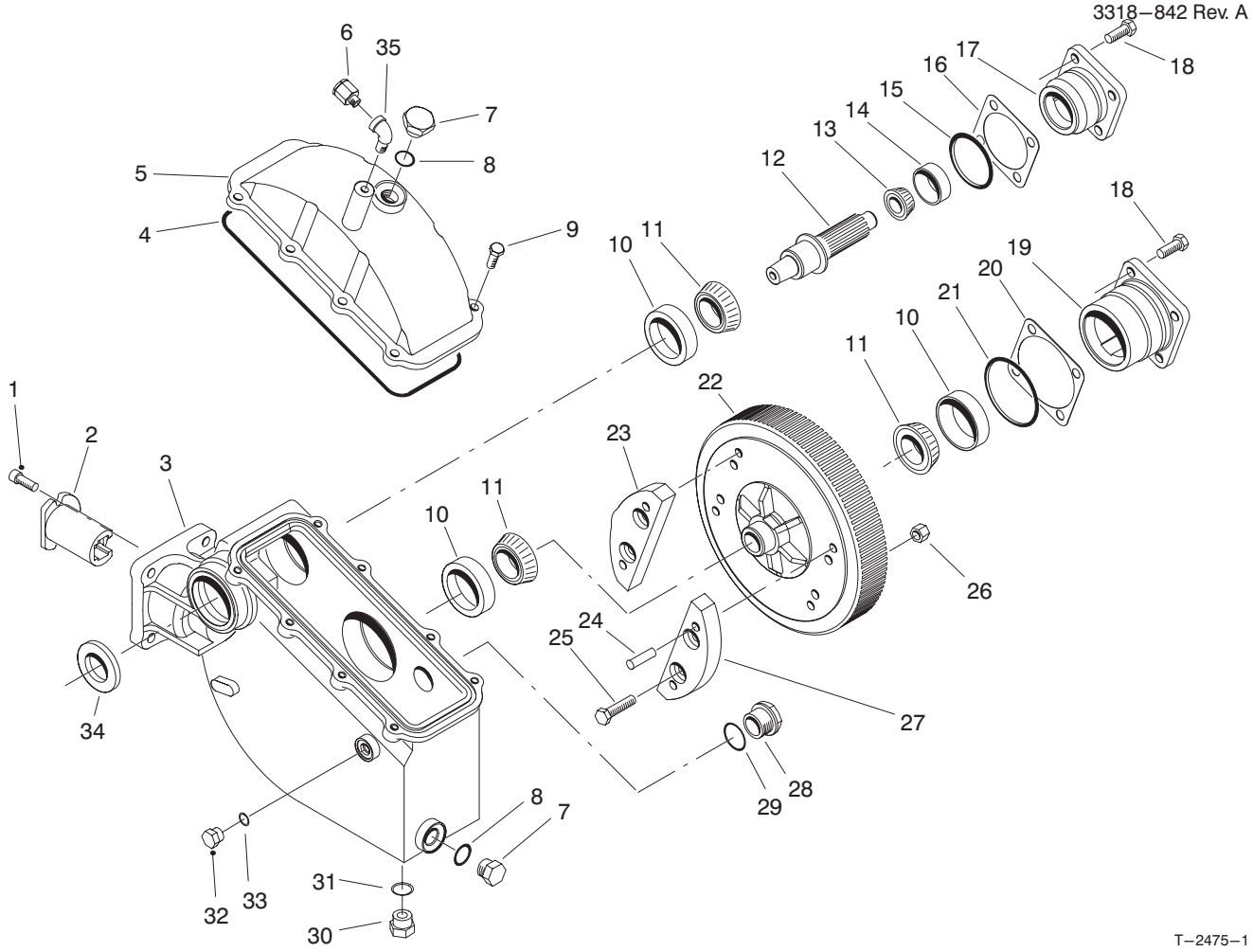


T–1274–1

ELECTRIC CLUTCH ASSEMBLY NO. 86–8160

Ref. No.	Part No.	Description	No. Used
1	67–7050	Field Rotor Assembly	1
2	44–8320	Spring – Compression	3
3	67–7100	Plate – Brake	1

Ref. No.	Part No.	Description	No. Used
4	3296–6	Nut – Lock	3
5	86–8170	Armature & Hub Assembly	1



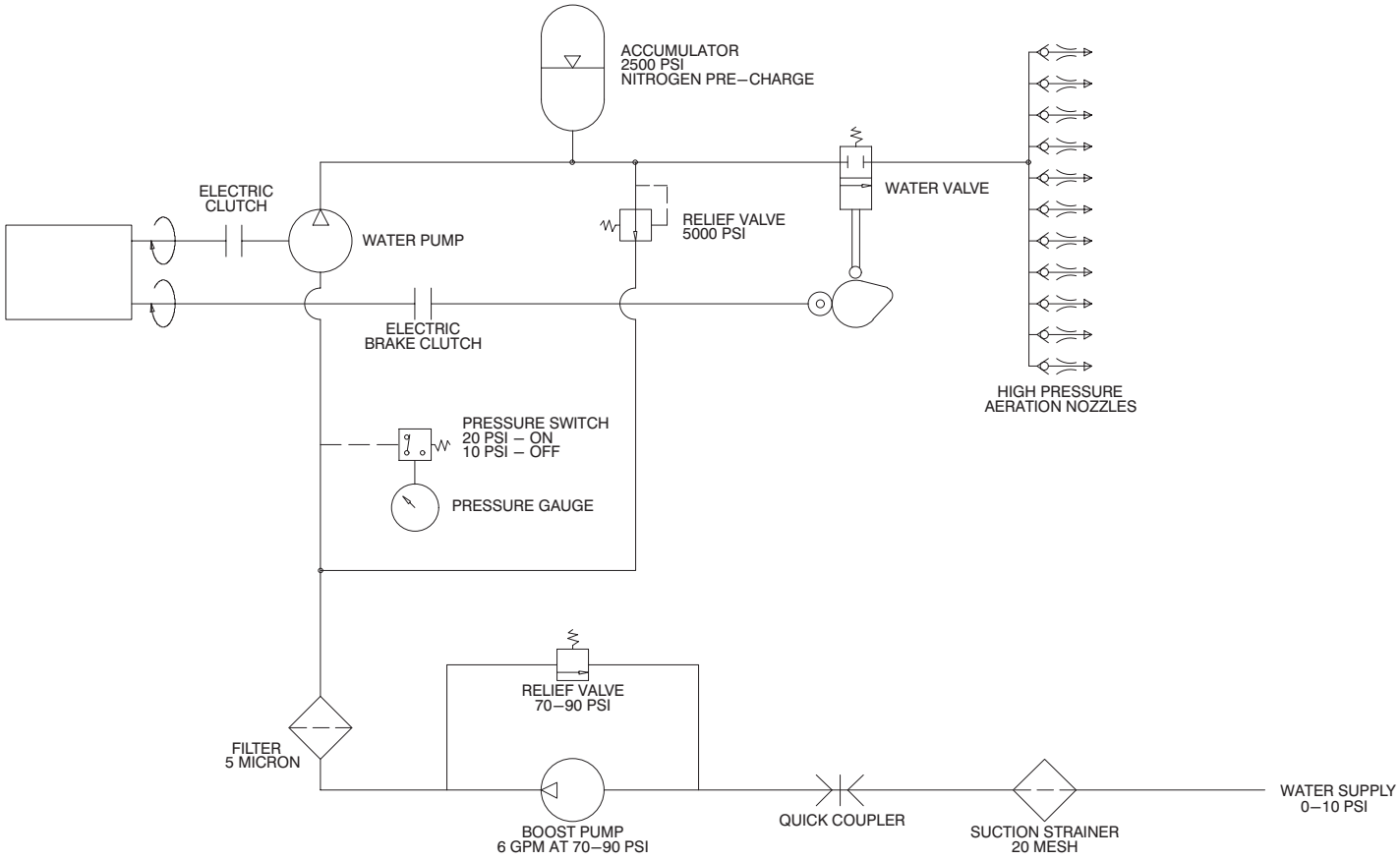
T–2475–1

GEARBOX ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274–10	Screw – Socket Hd.	2
2	80–5330	Sleeve – Follower	1
3	80–5240	Housing – Gear Box	1
4	237–171	Seal – Cover	1
5	80–5260	Cover – Gear Box	1
6	80–7020	Fitting – Breather	1
7	353–550	Fitting – Plug (Incl. Ref. #8)	2
8	237–79	Seal – O–Ring	3
9	322–4	Screw – Cap Hex. Hd.	8
10	254–61	Cup – Bearing	3
11	254–62	Cone – Bearing	3
12	80–8340	Shaft – Pinion	1
13	254–68	Cone – Bearing	1
14	254–67	Cup – Bearing	1
15	237–172	Seal – O–Ring	1
16	80–7030	Shim – Pinion Bearing .002” Red	1
*	80–7031	Shim – Pinion Bearing .005” Blue	1
*	80–7032	Shim – Pinion Bearing .015” Pink	1
*	80–7033	Shim – Pinion Bearing .020” Yellow	1
17	80–5320	Housing – Pinion Bearing	1
18	323–5	Screw – Cap Hex. Hd.	8

Ref. No.	Part No.	Description	No. Used
19	80–5300	Housing – Bearing	1
20	80–7040	Shim – Gear/Cam Bearing .002” Red	1
*	80–7041	Shim – Gear/Cam Bearing .005” Blue	1
*	80–7042	Shim – Gear/Cam Bearing .015” Pink	1
*	80–7043	Shim – Gear/Cam Bearing .020” Yellow	1
21	237–25	Seal – O–Ring	1
22	80–5280	Gear	1
23	80–8500	Cam	1
24	32121–42	Pin – Roll	4
25	323–52	Screw – Cap Hex. Hd.	4
26	3296–39	Nut – Lock	4
27	80–8510	Block – Weight	1
28	69–1170	Glass – Sight (Incl. Ref. #29)	1
29	237–81	Seal – O–Ring	1
30	353–508	Plug (Incl. Ref. #31)	1
31	237–42	Seal – O–Ring	1
32	353–512	Plug (Incl. Ref. #33)	1
33	237–78	Seal – O–Ring	1
34	253–148	Seal – Input Shaft	1
35	2811–7	Fitting – Breather 90°	1

*Not Illustrated

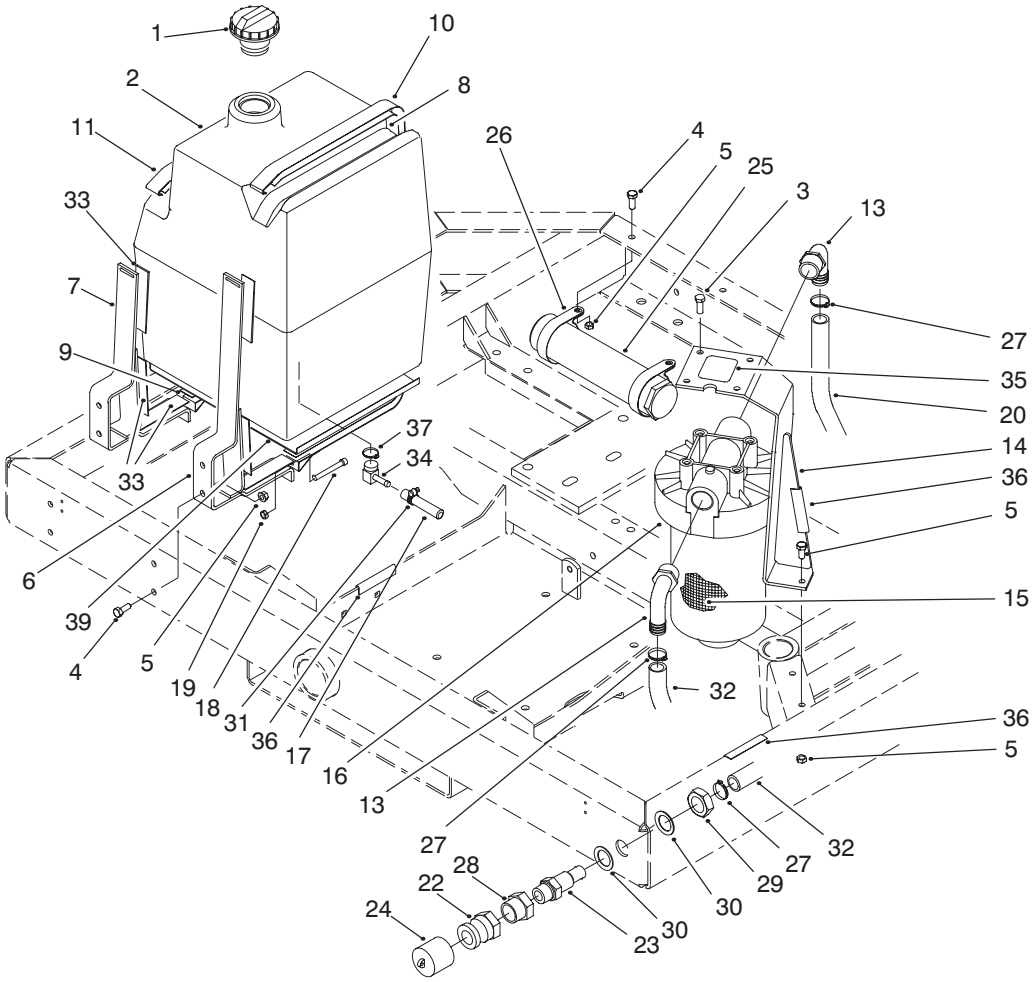


T–2497–2

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used



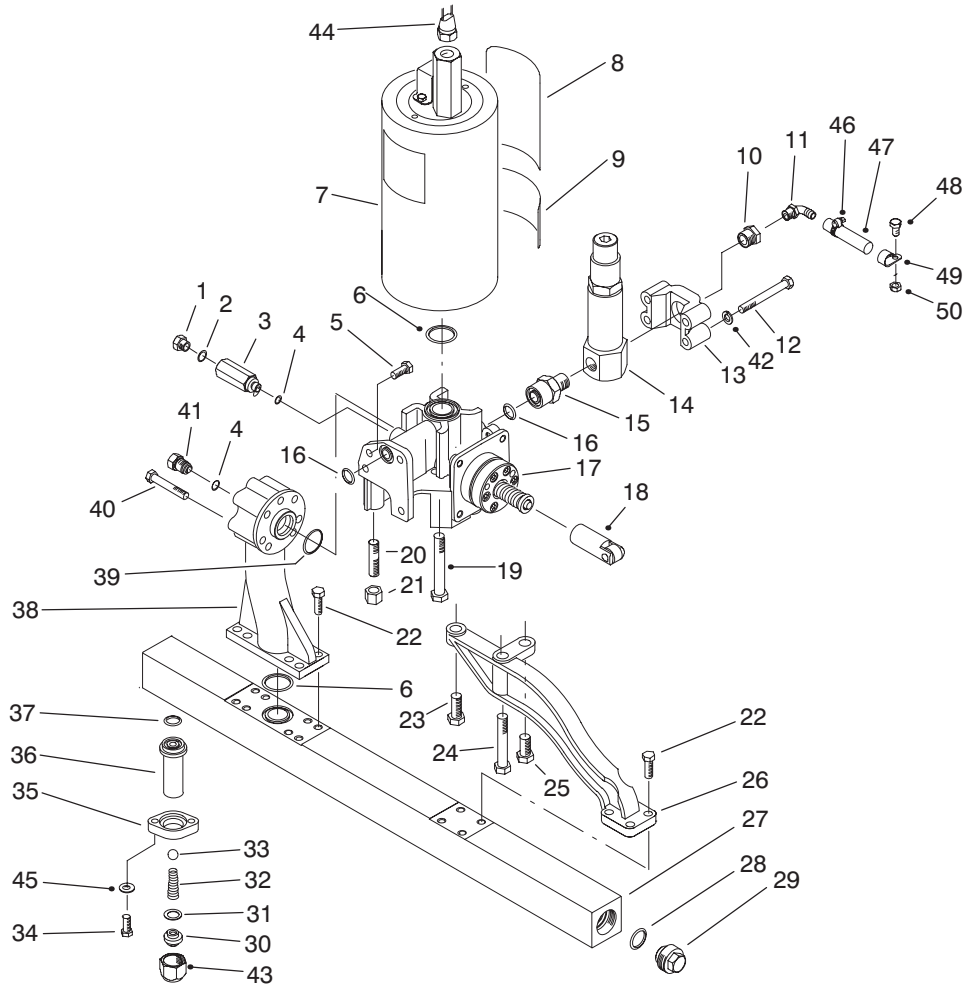
T−2476−2

FUEL TANK & WATER INLET ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−3101	Cap − Gas	1
2	94−6453	Tank − Fuel (Incl. Ref. #34 & 37)	1
3	32144−41	Screw − HWH	4
4	322−4	Screw − HH	8
5	3296−29	Nut − Hex. Flange	8
6	95−2550	Bracket − Tank, Long	1
7	95−2551	Bracket − Tank, Short	1
8	94−6521	Felt Strip − Strap, Long	1
9	94−6522	Felt Strip − Strap, Short	1
10	94−6519	Strap − Tank, Long	1
11	94−6520	Strap − Tank, Short	1
13	354−112	Fitting − Hydraulic	2
14	94−6493	Bracket − Filter	1
15	86−8620	Filter − Water	1
16	80−8600	Housing − Filter	1
17	94−6616	Hose − Fuel Line	1
18	3274−54	Screw − HSH	2
19	3296−42	Nut − Hex. Lock	2
20	94−6613	Hose	1

Ref. No.	Part No.	Description	No. Used
22	41316	Coupler − Male	1
23	80−9500	Adapter − Bulkhead	1
24	41318	Cap − Dust	1
25	74−0720	Tube − Manual	1
26	2412−133	Clamp − R	2
27	2412−129	Clamp − Hose	3
28	2812−9	Bushing − Pipe	1
29	3296−49	Nut − Lock NI	1
30	3256−42	Washer − Flat	2
31	2412−108	Clamp − Hose	1
32	94−6553	Hose	2
33	95−2552	Strip − Felt	6
34	43−4190	Fitting	1
35	95−2553	Decal − Filter	1
36	43−4300	Trim − Rear Frame	3
37	2412−36	Clamp − Hose	1
38	3290−378	Tie − Cable	1
39	95−2566	Plate − Tank Support	1
*	80−9510	Wrench	1

*Not Illustrated



T–2494–1

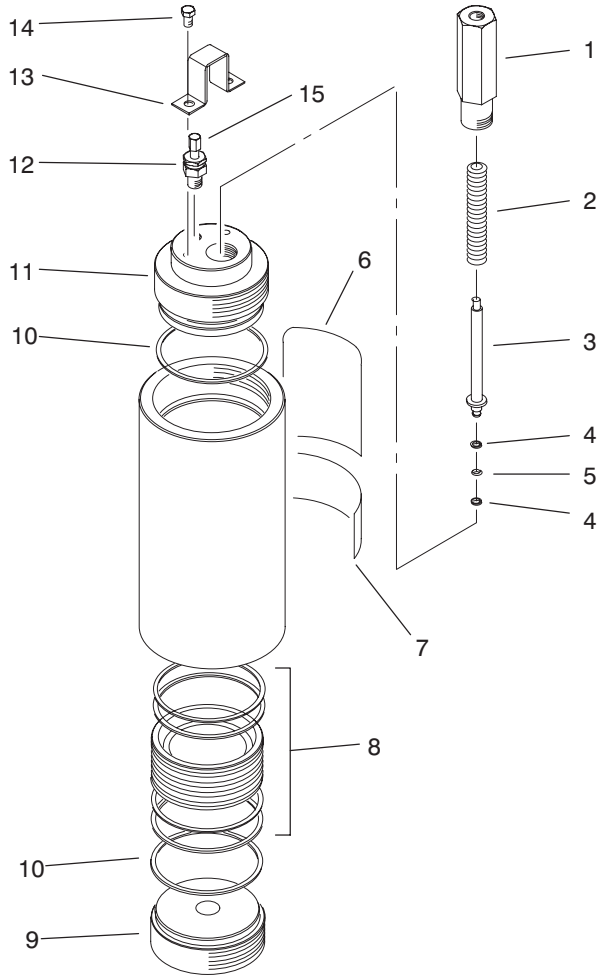
WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354–82	Plug	1
2	80–5794	Seal – O–Ring	1
3	80–9980	Fitting – Extension	1
4	80–5793	Seal – O–Ring	2
5	323–6	Screw – Cap Hex. Hd.	4
6	80–5784	O–Ring	2
7	93–1667	Accumulator Assembly (Incl. Ref. #6, 8, 9, & 19)	1
8	80–8030	Decal – Danger	2
9	80–8880	Decal – Warning	2
10	354–92	Fitting – Reducer	1
11	354–93	Fitting – 90° Elbow	1
12	323–17	Screw – Cap Hex. Hd.	4
13	80–9890	Clamp – Valve	1
14	80–7070	Relief Valve Assembly	1
15	80–9900	Fitting – Valve	1
16	80–5782	Seal – O–Ring	2
17	14–7449	Valve Assembly (Incl. Ref. #20)	1
18	80–5580	Follower – Cam	1
19	324–26	Capscrew – HH	4
20	80–8680	Stud	2
21	3296–19	Nut – Lock	2
22	323–5	Screw – Cap Hex. Hd.	12
23	325–5	Screw – Cap Hex. Hd.	1
24	325–12	Screw – Cap Hex. Hd.	1
25	325–4	Screw – Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
26	80–5080	Support – Manifold	1
27	94–6455	Manifold	1
28	80–5791	Seal – O–Ring	2
29	80–8220	Plug	2
30	86–8131	Nozzle (#53) (Std.)	11
*†	86–8133	Nozzle (#46) (Opt.)	6
*†	86–8130	Nozzle (#56) (Opt.)	6
31	86–8150	Washer	11
32	80–9710	Spring – Conical	11
33	255–12	Ball – Check	11
34	86–8610	Screw – Hex. Flange Hd.	22
35	80–9800	Flange – Nozzle	11
36	86–8110	Extension – Nozzle	11
37	80–5786	Seal – O–Ring	11
38	80–8210	Feeder – Manifold	1
39	80–5780	Seal – O–Ring	1
40	323–13	Screw – Cap Hex. Hd.	7
41	80–8230	Plug	1
42	3253–21	Washer – Lock	4
43	86–8140	Retainer – Nozzle	11
44	72–4320	Switch – Ball	1
45	3256–2	Washer – Flat	22
46	2412–108	Clamp – Hose	1
47	94–6614	Hose	1
48	322–2	Screw – HH	2
49	2412–41	Clamp – R	2
50	3296–29	Nut – Hex. Lock	2

*Not Illustrated

†Refer to Product Operators Manual



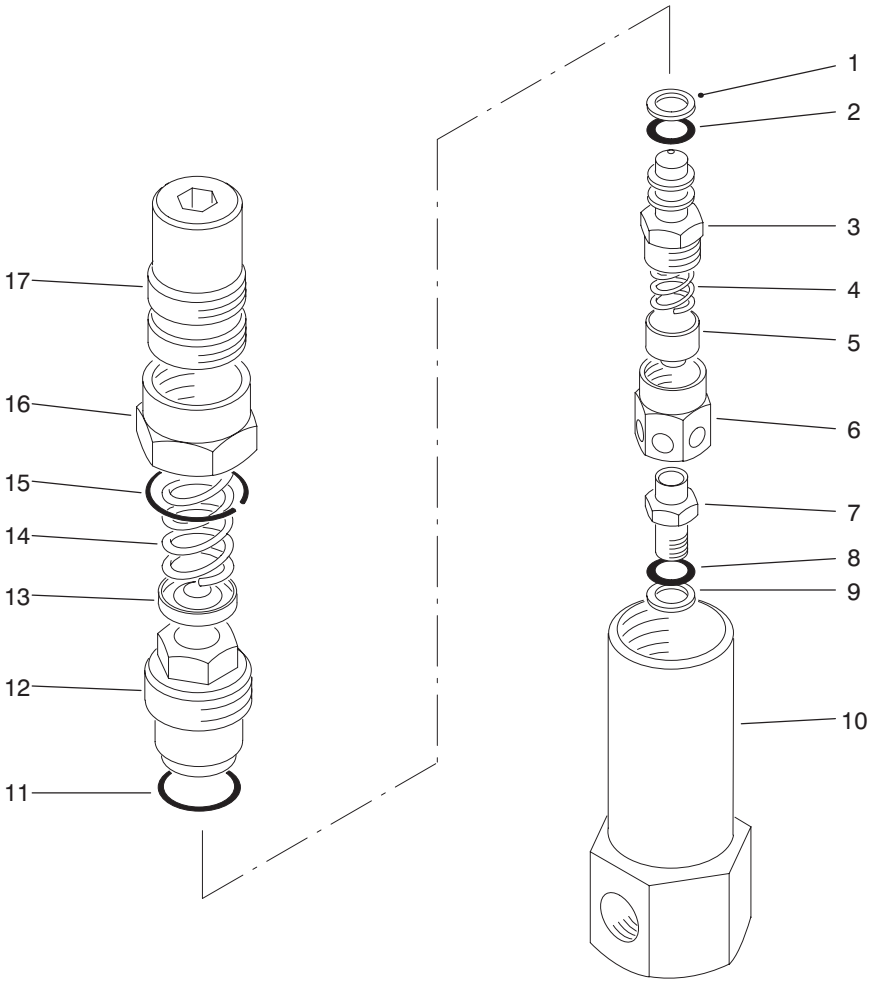
T−2040−1

ACCUMULATOR ASSEMBLY NO. 93−1667

Ref. No.	Part No.	Description	No. Used
1	92−9531	Retainer − Plunger	1
2	92−9532	Spring − Compression	1
3	92−9530	Plunger − Switch	1
4	92−9536	Ring − Backup	2
5	92−9535	Seal − O−Ring	1
6	80−8030	Decal − Danger	2
7	80−8880	Decal − Warning	2
8	80−8980	Piston Assembly	1

Ref. No.	Part No.	Description	No. Used
9	80−9040	Cap − End	1
10	80−8990	Ring − Backup	2
11	93−1674	Cap − End	1
12	80−9000	Valve − Accumulator	1
13	80−9020	Guard − Valve	1
14	323−4	Screw − Cap Hex. Hd.	2
15	80−8970	Cap − Valve	1

Note: Accumulator is shipped without gas pressure, it must be charged by an Authorized Toro Technician prior to use.



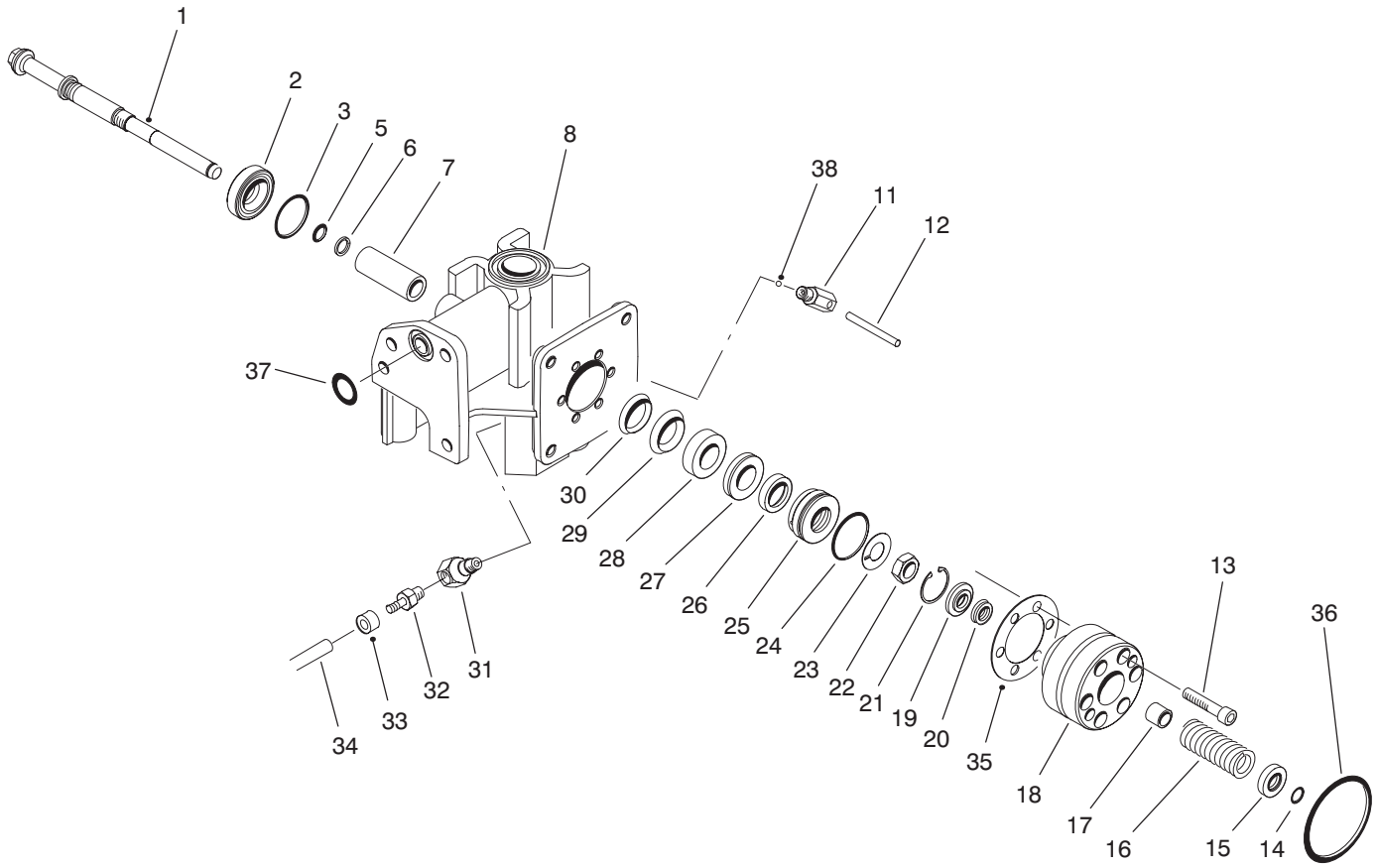
T–1918–1

RELIEF VALVE ASSEMBLY NO. 80–7070

Ref. No.	Part No.	Description	No. Used
1		Ring – Backup	1
2		Seal – O–Ring	1
3		Stem	1
4		Spring – Compression	1
5		Poppet	1
6		Retainer	1
7		Seat	1
8		Seal – O–Ring	1
9		Ring – Backup	1
10		Body	1

Ref. No.	Part No.	Description	No. Used
11		Seal – O–Ring	1
12		Insert – Plug	1
13		Equalizer – Spring	1
14		Spring – Compression	1
15		Ring – Retaining	1
16		Nut	1
17		Guide – Spring	1
*	86–8550	Valve Repair Kit (Incl. Ref. #1–9, & 11–15)	1

*Not Illustrated

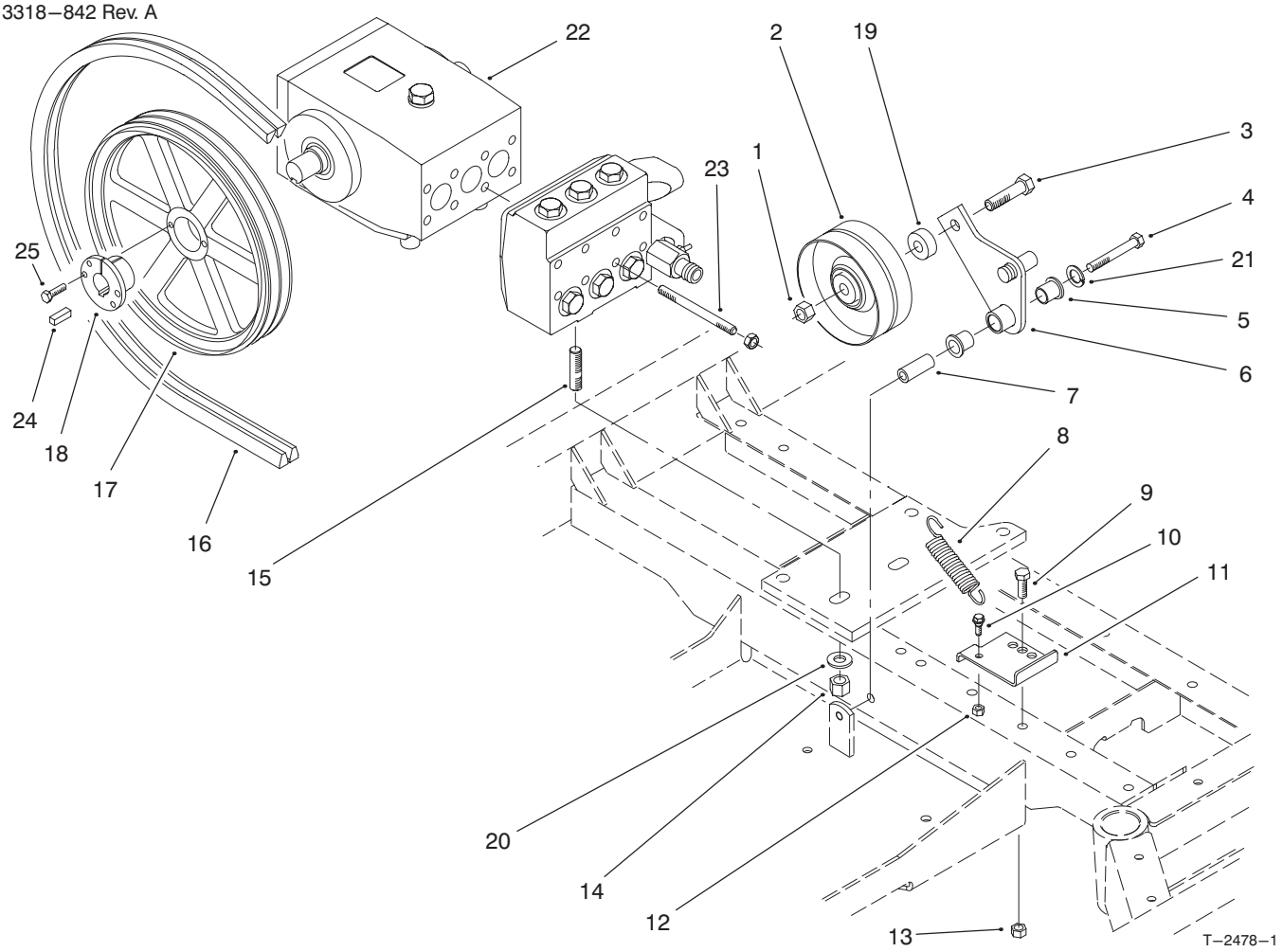


T−1206−1

WATER VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80−5600	Spool − Valve	1
2	86−9070	Seat − Valve	1
3	80−5780	Seal − O−Ring	1
5	80−8460	Seal − O−Ring	1
6	80−8470	Ring − Support	1
7	86−8310	Sleeve − Plunger	1
8	14−7449	Body − Valve	1
11	80−9750	Valve − Bleed	1
12	32121−48	Pin − Roll	1
13	3274−83	Screw − Socket Hd.	6
14	32151−99	Ring − Retaining	1
15	80−5570	Retainer − Valve Spring	1
16	80−5770	Spring − Compression	1
17	256−315	Bushing − Sleeve	1
18	80−5590	Pilot − Gear Box	1
19	80−9200	Seal − Back−Up	1
20	253−168	Seal − Oil	1
21	32120−37	Ring − Retaining	1
22	3220−23	Nut − Jam	1

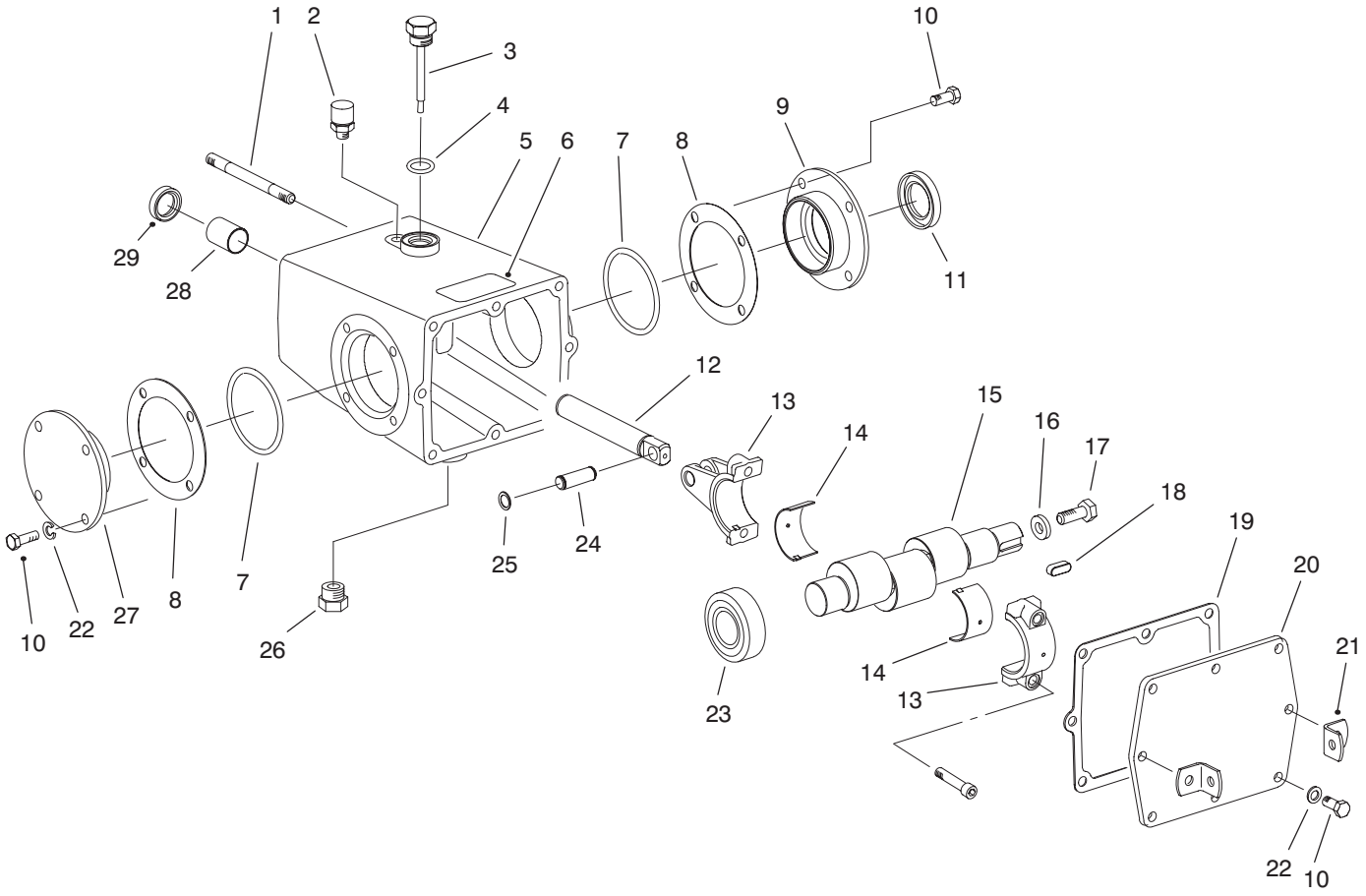
Ref. No.	Part No.	Description	No. Used
23	86−8320	Washer − Slotted	1
24	237−178	Seal − O−Ring	1
25	80−9220	Retainer − Seal	1
26	80−5760	Seal − U−Cup	1
27	80−9390	Guide − Valve	1
28	80−5751	Support − Seal/Plunger	1
29	80−5740	Seal − Packing	1
30	80−5730	Ring − Head Back−Up	1
31	80−9410	Fitting − Adapter	1
32	304−101	Fitting − Barb	1
33	80−9480	Tube − Retainer	1
34	80−6521	Hose − Gage	1
35	80−9560	Gasket − Pilot	1
36	237−173	Seal − O−Ring	1
37	80−5782	Seal − O−Ring	1
38	255−13	Ball − Steel	1
*	80−9660	Kit − Rebuild (Incl. Ref. #3−7, 14, 17, 20, 22−24, 26−30, 35−37)	1



WATER PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296–28	Nut – Lock NI	1
2	80–8360	Pulley – Idler, Flat	1
3	3213–7	Screw – HH	1
4	323–12	Screw – HH	1
5	80–9610	Bushing – Flange	2
6	86–8870	Idler Pivot Assembly	1
7	80–7710	Spacer – Idler Pivot	1
8	80–6620	Spring – Extension	1
9	323–6	Screw – HH	1
10	42–3560	Bolt – Shoulder	1
11	80–6600	Bracket – Spring	1
12	3296–42	Nut – Hex. Lock	1
13	3296–39	Nut – Hex. Lock	1
14	3296–19	Nut – Lock	2

Ref. No.	Part No.	Description	No. Used
15	80–8680	Stud	2
16	80–6730	Belt	2
17	80–6650	Pulley – Double Groove	1
18	80–6660	Bushing – Taper Lock (Incl. Ref. #25)	1
19	86–8890	Spacer – Pulley	1
20	3256–26	Waher – Flat	2
21	3253–21	Washer – Spring Lock	1
22	86–8900	Water Pump Crankcase Asm (Incl. Ref. #23)	1
23	86–8830	Stud – Head	8
24	86–8790	Key	1
25	321–4	Screw – HH	2

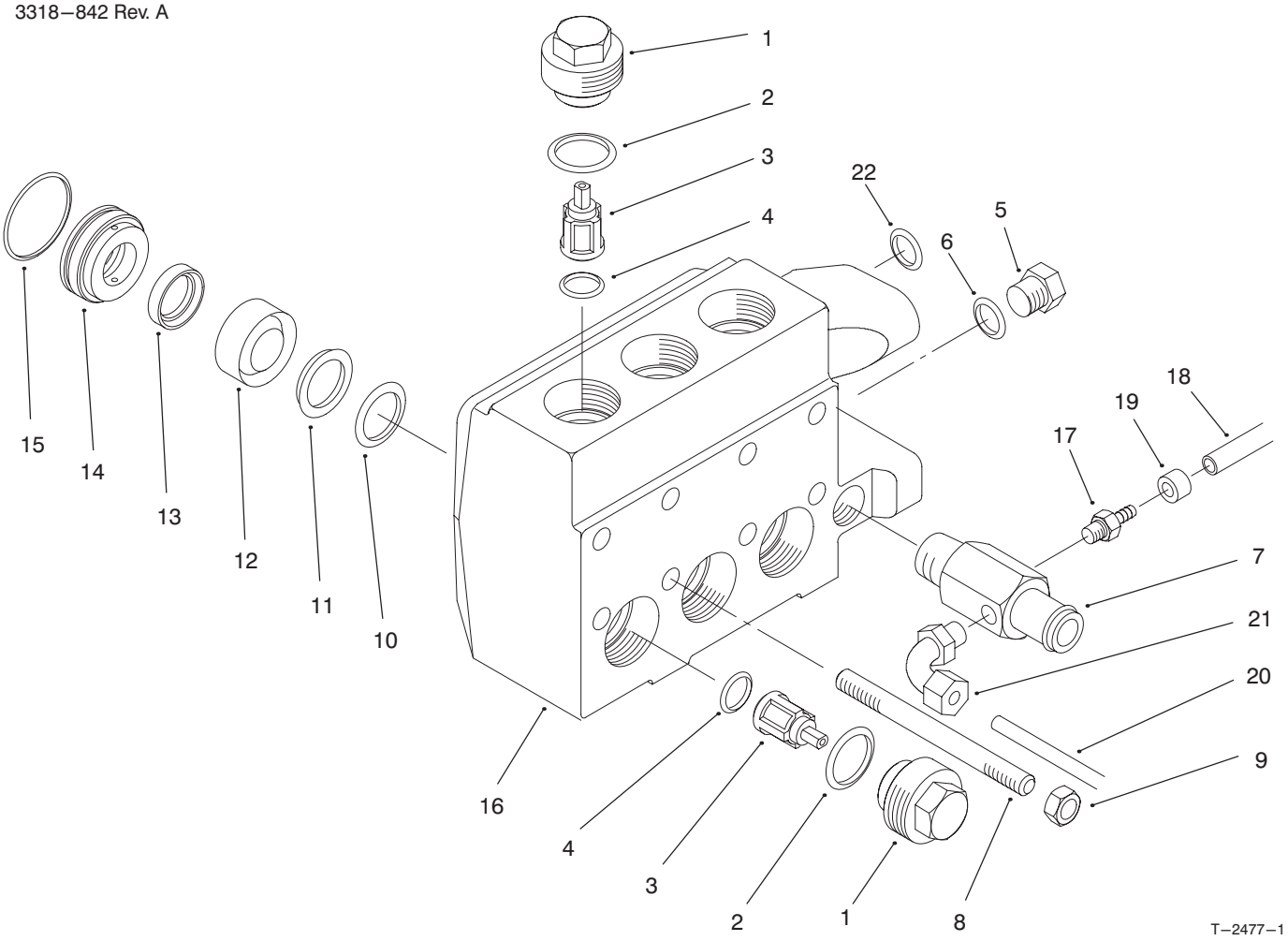


WATER PUMP CRANKCASE ASSEMBLY NO. 86–8900

Ref. No.	Part No.	Description	No. Used
1	86–8830	Stud – Head	8
2	80–7020	Vent – Filter	1
3	86–8860	Dipstick	1
4	237–79	Seal – O–Ring	1
5	86–8810	Crankcase	1
6	80–9450	Decal – Pump	1
6	93–9360	Decal – Pump (Europe)	1
7	237–25	Seal – O–Ring	2
8	86–8720	Shim – .002” Red	A/R
*	86–8721	Shim – .005” Blue	A/R
*	86–8722	Shim – .015” Pink	A/R
*	86–8723	Shim – .020” Yellow	A/R
9	86–8580	Flange – Crankcase	1
10	322–3	Screw – Cap Hex. Hd.	16
11	86–8760	Seal	1
12	86–8820	Rod – Plunger	3
13	86–8380	Rod – Connecting	3

Ref. No.	Part No.	Description	No. Used
14	86–8840	Bearing Set – Split	3
15	86–8360	Crankshaft	1
16	3256–56	Washer – Flat	1
17	323–2	Screw – Cap Hex. Hd.	1
18	86–8790	Key	1
19	86–8730	Gasket	1
20	86–8850	Cover – Crankcase	1
21	92–9547	Bracket – Angle	2
22	3253–4	Washer – Lock	12
23	86–8780	Bearing – Tapered	2
24	86–8740	Pin – Connecting Rod	3
25	32151–65	Ring – Retaining	6
26	353–550	Plug – Drain	1
27	86–8570	Flange – Crankcase	1
28	86–8750	Guide – Plunger	3
29	86–8770	Seal	3

*Not Illustrated

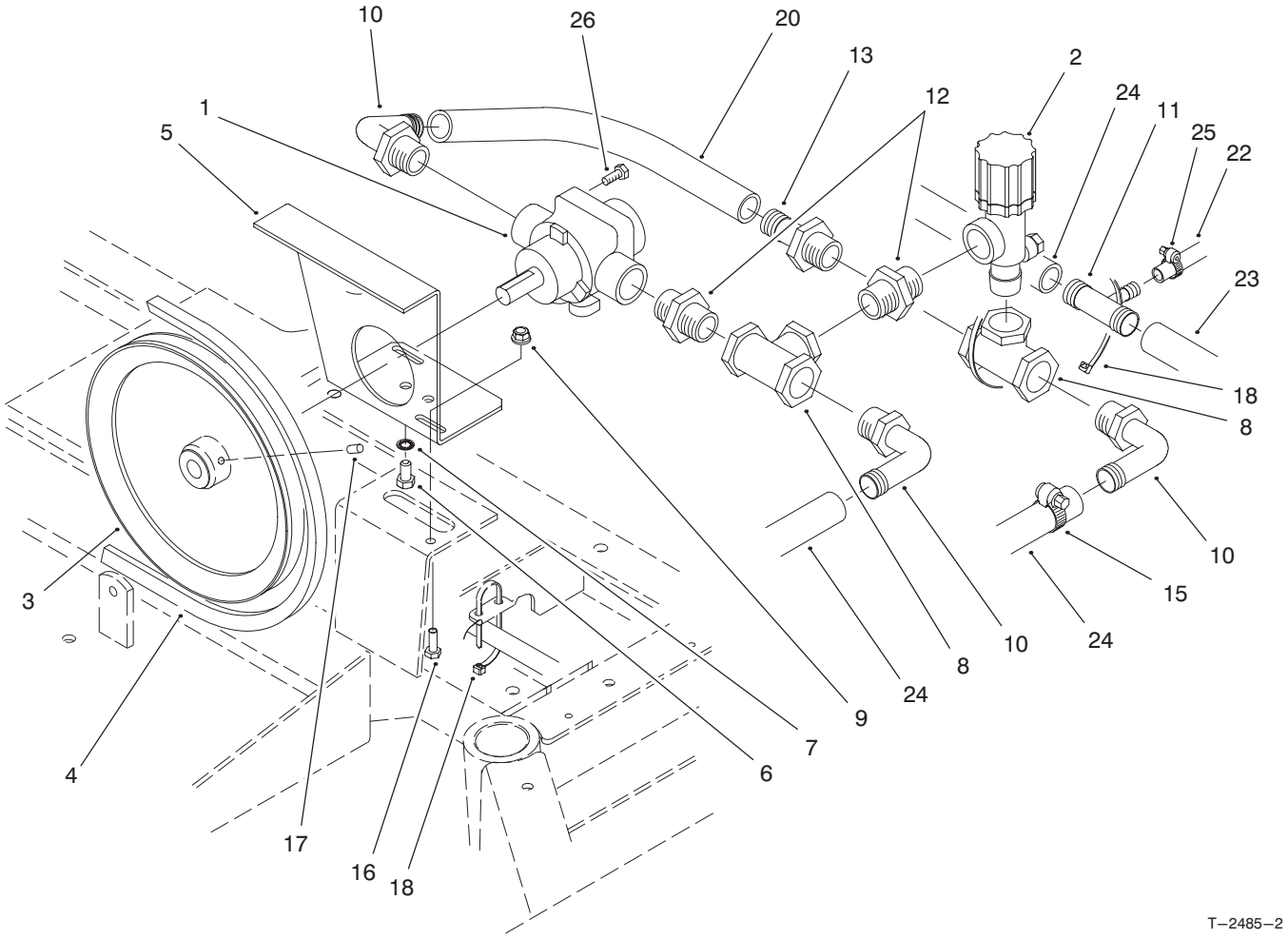


WATER PUMP HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80–8220	Cap – Check Valve	6
2	80–5791	Seal – O–Ring	6
3	80–5630	Valve – Check	6
4	80–5781	Seal – Check Valve	6
5	354–82	Plug Assembly	1
6	80–5794	Seal – O–Ring	1
7	94–6583	Adapter – Fitting	1
8	86–8830	Stud – Head	8
9	3219–28	Nut – Hex.	8
10	80–5730	Ring – Head Back–Up	3
11	80–5740	Seal – Packing Vee	3
12	80–5750	Support – Seal/Plunger	3
13	80–5760	Seal – U–Cup	3

Ref. No.	Part No.	Description	No. Used
14	80–5720	Retainer – Seal	3
15	237–170	Seal – O–Ring	3
16	14–5289	Head – Pump	1
17	304–101	Fitting – Barb	1
18	80–6521	Hose – Gage	1
19	80–9480	Retainer – Tube	1
20	94–6615	Hose	1
21	354–101	Fitting – 90˚	1
22	80–5782	Seal – O–Ring	1
*	80–9640	Kit – Seal (Incl. Ref. #10–13, 15 & 20)	1
*	80–9650	Kit – Check Valve (Incl. Ref. #2–4)	1

*Not Illustrated



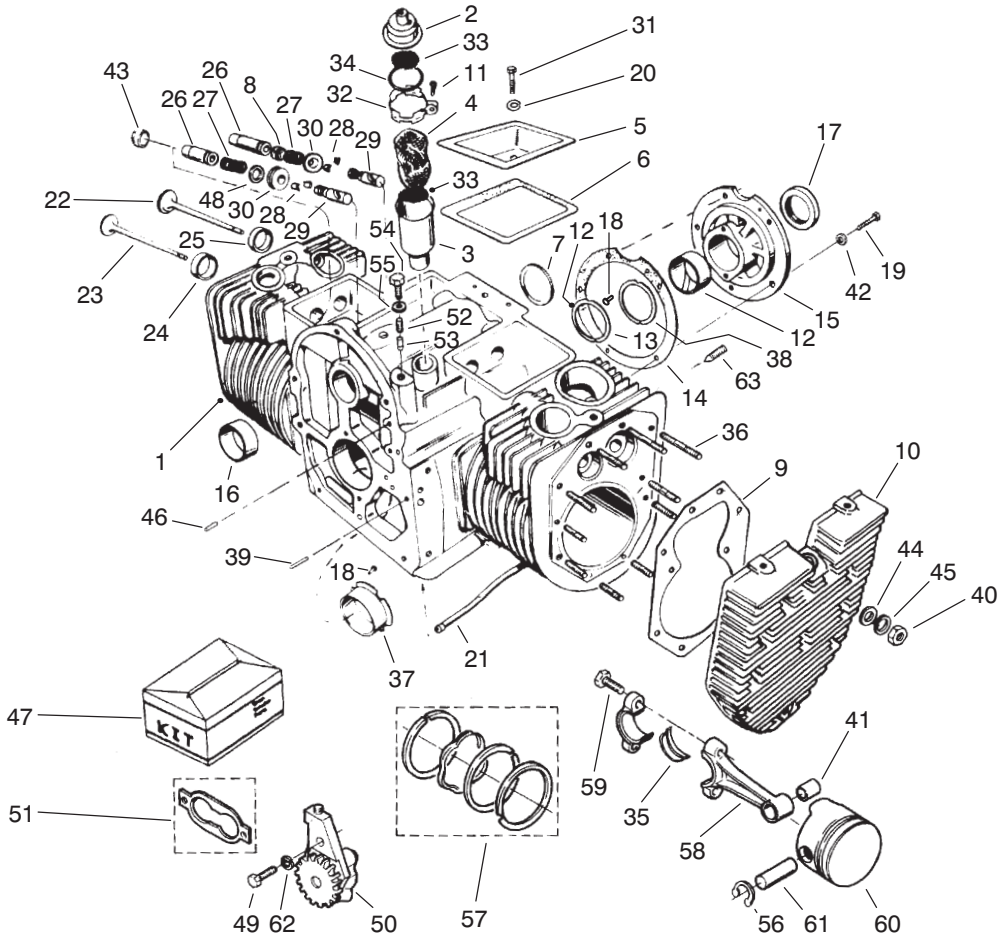
T–2485–2

BOOST PUMP INSTALLATION

Ref. No.	Part No.	Description	No. Used
1	94–6587	Pump – Water (Incl. Ref. #26 & *)	1
2	95–2569	Valve – Relief	1
3	94–6586	Pulley	1
4	94–6589	Belt	1
5	95–2558	Plate – Adjust, Pump	1
6	322–2	Screw – HH	2
7	3254–2	Washer – Lock Int. Tooth	2
8	354–133	Guage – Tee	2
9	32128–33	Nut – Hex. Flange	2
10	354–100	Fitting – 90˚	3
11	94–6609	Fitting – Tee	1
12	94–6608	Fitting – Adapter	2

Ref. No.	Part No.	Description	No. Used
13	354–98	Adapter – Male	1
15	2412–129	Clamp – Hose	6
16	321–4	Screw – HH	2
17	3241–6	Screw – Set	1
18	3290–378	Tie – Cable	2
20	95–2570	Hose	1
22	94–6614	Hose	1
23	94–6613	Hose	1
24	94–6553	Hose	3
25	2412–36	Clamp – Hose	1
26	321–3	Screw – HH	4
*	94–5247	Kit – Roller	1

*Not Illustrated.

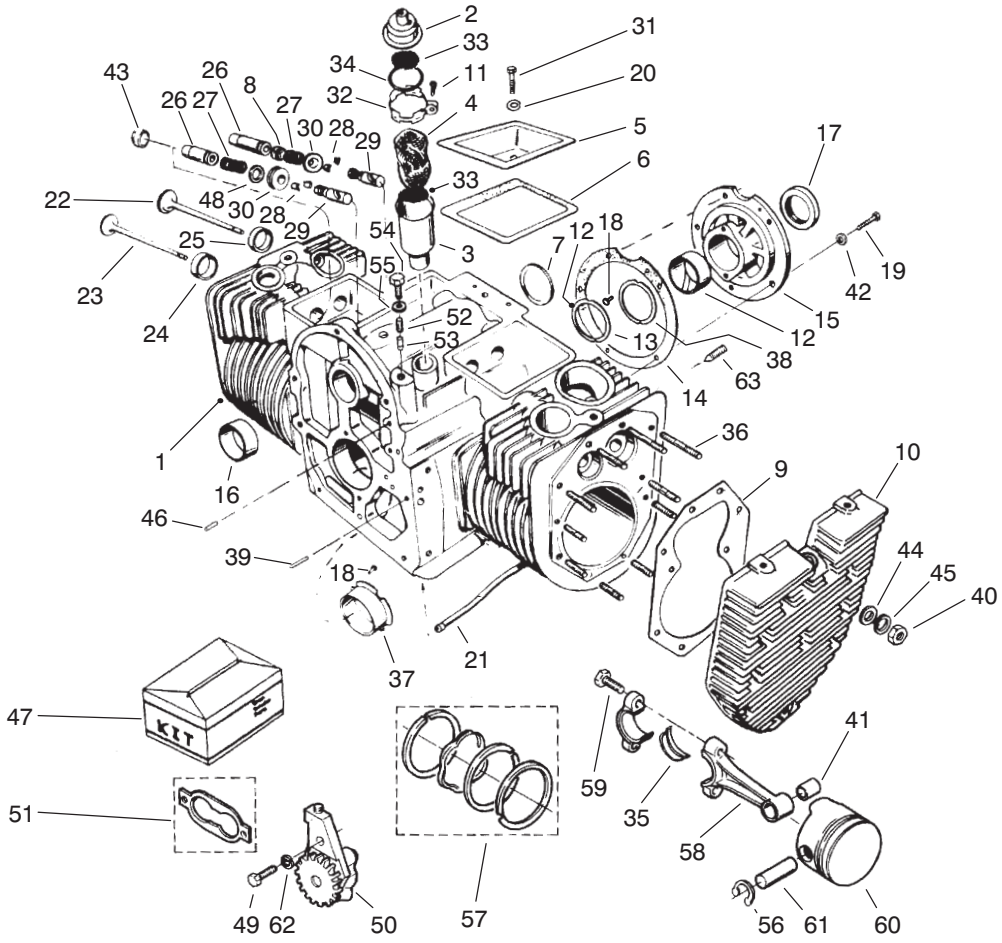


ENGINE CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–0924	Short Block Assembly	1
2	82–0550	Breather Cap & Valve	1
†3	82–0540	Tube – Breather	1
4	57–8580	Baffle – Breather Tube	1
5	82–0280	Cover – Valve (Coil)	1
*	82–1710	Cover – Valve (Dipstick)	1
6	82–0260	Gasket – Valve Cover	2
†7	82–1180	Plug – Expansion	1
8	82–0270	Seal – Intake Valve	2
9	82–0130	Gasket – Cylinder Head	2
*	82–0960	Gasket Kit (Carbon Remove)	1
10	82–0210	Head – Cylinder	2
11	82–1480	Screw – Tapping	1
12	57–8050	Bearing – Crank (Std.)	1
*	59–0020	Bearing – Crank (.002” US)	1
*	57–8060	Bearing – Crank (.010” US)	1
*	59–0030	Bearing – Crank (.020” US)	1
*	59–0040	Bearing – Crank (.030” US)	1
†13	57–8160	Washer – Thrust	2
†14	57–8010	Gasket – Bearing Plate	1
†15	82–0020	Plate – Bearing Rear	1
†16	57–8000	Bearing – Camshaft	2
17	57–9590	Seal – Oil	1
†18	59–0730	Pin – Bearing Stop	4
19	71–6240	Screw – Hex. Flange Hd.	5
20	57–9740	Washer – Flat	2

Ref. No.	Part No.	Description	No. Used
†21	82–0480	Tube – Oil	1
22	82–0220	Valve – Intake	2
23	82–0230	Valve – Exhaust	2
†24	82–0080	Insert – Exhaust Valve (Std.)	2
*	82–0090	Insert – Exhaust Valve (.002” OS)	2
*	82–0100	Insert – Exhaust Valve (.005” OS)	2
*	82–0110	Insert – Exhaust Valve (.010” OS)	2
*	82–0120	Insert – Exhaust Valve (.025” OS)	2
†25	82–0160	Insert – Intake Valve (Std.)	2
*	82–0170	Insert – Intake Valve (.002” OS)	2
*	92–0925	Insert – Intake Valve (.005” OS)	2
*	92–0926	Insert – Intake Valve (.010” OS)	2
*	92–0927	Insert – Intake Valve (.025” OS)	2
†26	82–0140	Guide – Exhaust Valve	2
*	82–0150	Guide – Intake Valve	2
27	57–8250	Spring – Valve	4

*Not Illustrated
†Included in Short Block Assembly



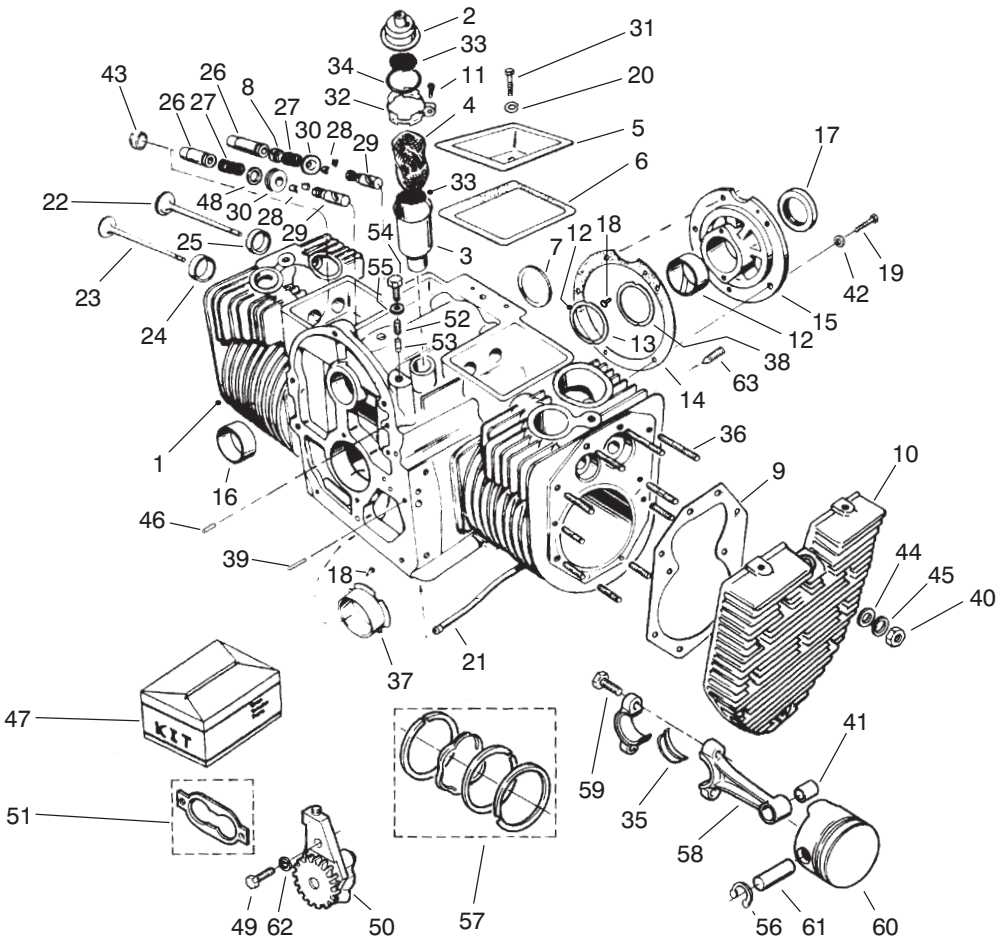
T–1258–1

ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
28	82–0250	Lock – Valve Spring	8
29	57–8450	Tappet – Valve	4
30	57–8270	Rotator – Valve	2
31	321–11	Screw – Cap Hex. Hd.	2
32	82–0530	Clamp – Breather Tube	1
33	82–0560	Screen – Breather Tube	2
34	82–0570	Seal – O–Ring	1
35	82–0420	Bearing Half – Rod (Std.)	4
*	82–0430	Bearing Half – Rod (.002" US)	4
*	82–0440	Bearing Half – Rod (.010" US)	4
*	82–0450	Bearing Half – Rod (.020" US)	4
*	82–0460	Bearing Half – Rod (.030" US)	4
†36	92–0928	Stud – Cylinder Head Btm.	8
*	92–0929	Stud – Cylinder Head Top	4
*	92–0932	Stud – Cylinder Head Mid.	8

Ref. No.	Part No.	Description	No. Used
†37	57–8020	Bearing – Flanged (Std.)	1
*	57–9360	Bearing – Flanged (.002" US)	1
*	57–8030	Bearing – Flanged (.010" US)	1
*	57–9800	Bearing – Flanged (.020" US)	1
*	59–0010	Bearing – Flanged (.030" US)	1
†38	57–8170	Shim – Crankshaft	A/R
†39	59–0750	Pin – Alignment	2
40	82–0040	Nut – Hex.	20
41	82–0410	Bushing – Piston Pin	2
42	82–1310	Washer – Flat	5
43	82–0240	Cap – Exhaust Valve	2
44	82–1300	Washer – Flat	20
45	82–1650	Washer – Lock	24
46	59–0760	Plug – Hole	1
47	82–0950	Gasket Kit (Engine)	1
48	82–0070	Washer – Spring Retainer	2
49	321–6	Screw – Cap Hex. Hd.	2
50	57–8480	Oil Pump Assembly	1
51	57–8460	Gasket Kit – Oil Pump	1
52	57–8500	Spring – Bypass Valve	1
53	57–8470	Plunger – Bypass Valve	1
54	59–0910	Screw – Cap Hex. Hd.	1

*Not Illustrated
†Included in Short Block Assembly

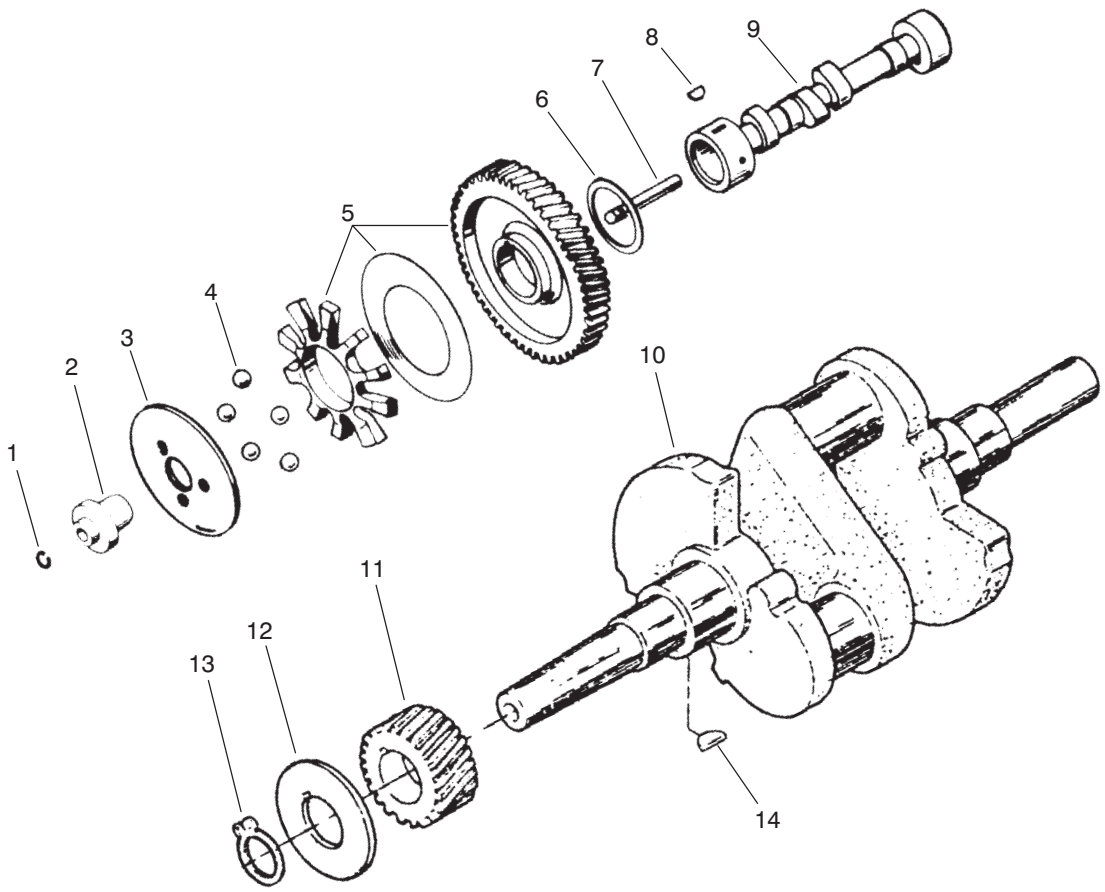


ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
55	57–9760	Washer – Flat	1
56	82–1200	Ring – Retaining	4
57	92–0939	Piston Ring Set (Std.)	2
*	92–0940	Piston Ring Set (.005” OS)	2
*	82–0380	Piston Ring Set (.010” OS)	2
*	82–0390	Piston Ring Set (.020” OS)	2
*	82–0400	Piston Ring Set (.030” OS)	2
58	82–0470	Connecting Rod Assembly (Incl. Ref. #41 & 59)	2
59	82–1470	Bolt – Connecting Rod	4

Ref. No.	Part No.	Description	No. Used
60	82–0300	Piston Assy. (Std.) (Incl. Ref. #56 & 61)	2
*	92–0934	Piston Assy. (.005” OS) (Incl. Ref. #56 & 61)	2
*	92–0935	Piston Assy. (.010” OS) (Incl. Ref. #56 & 61)	2
*	92–0936	Piston Assy. (.020” OS) (Incl. Ref. #56 & 61)	2
*	92–0937	Piston Assy. (.030” OS) (Incl. Ref. #56 & 61)	2
61	92–0938	Pin – Piston	2
62	82–1620	Washer – Lock	2
63	3247–4	Screw – Set	4
*	59–0770	Breather Hole Plug	1

*Not Illustrated

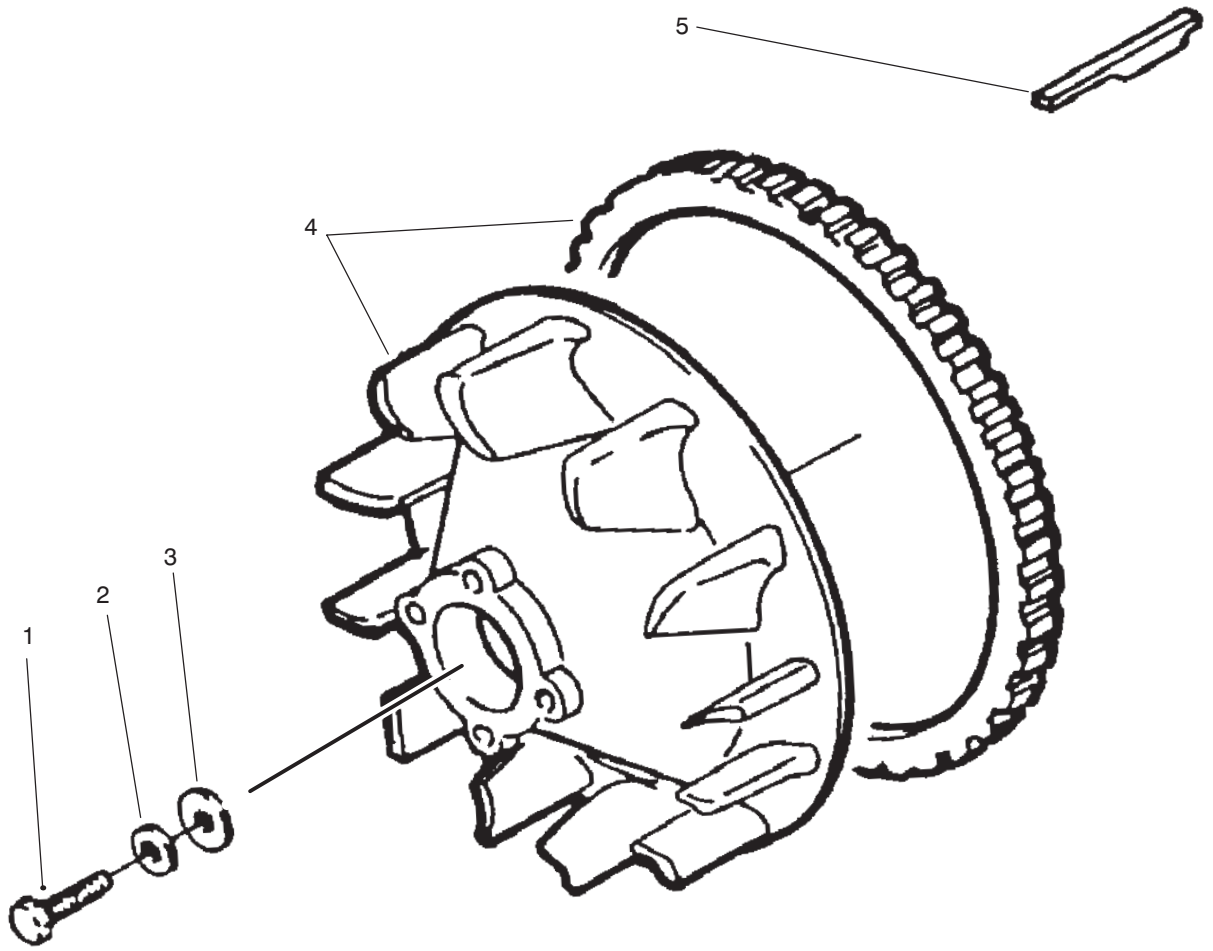


T–1259–1

ENGINE CAMSHAFT & CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	57–9090	Ring – Retaining	1
2	57–9130	Hub – Governor Cup	1
3	59–0450	Cup – Governor	1
4	57–9640	Ball – Governor	5
5	57–8210	Camshaft Gear Assembly	1
6	57–8230	Washer – Thrust	1
7	59–0400	Pin – Center	1
8	57–9660	Key – Woodruff	1

Ref. No.	Part No.	Description	No. Used
9	82–0880	Camshaft (Incl. Ref. #7)	1
10	82–0060	Crankshaft	1
11	92–0941	Gear – Crankshaft	1
12	57–8140	Washer – Gear Retaining	1
13	57–9710	Ring – Retaining	1
14	57–9660	Key – Crankshaft Gear	1

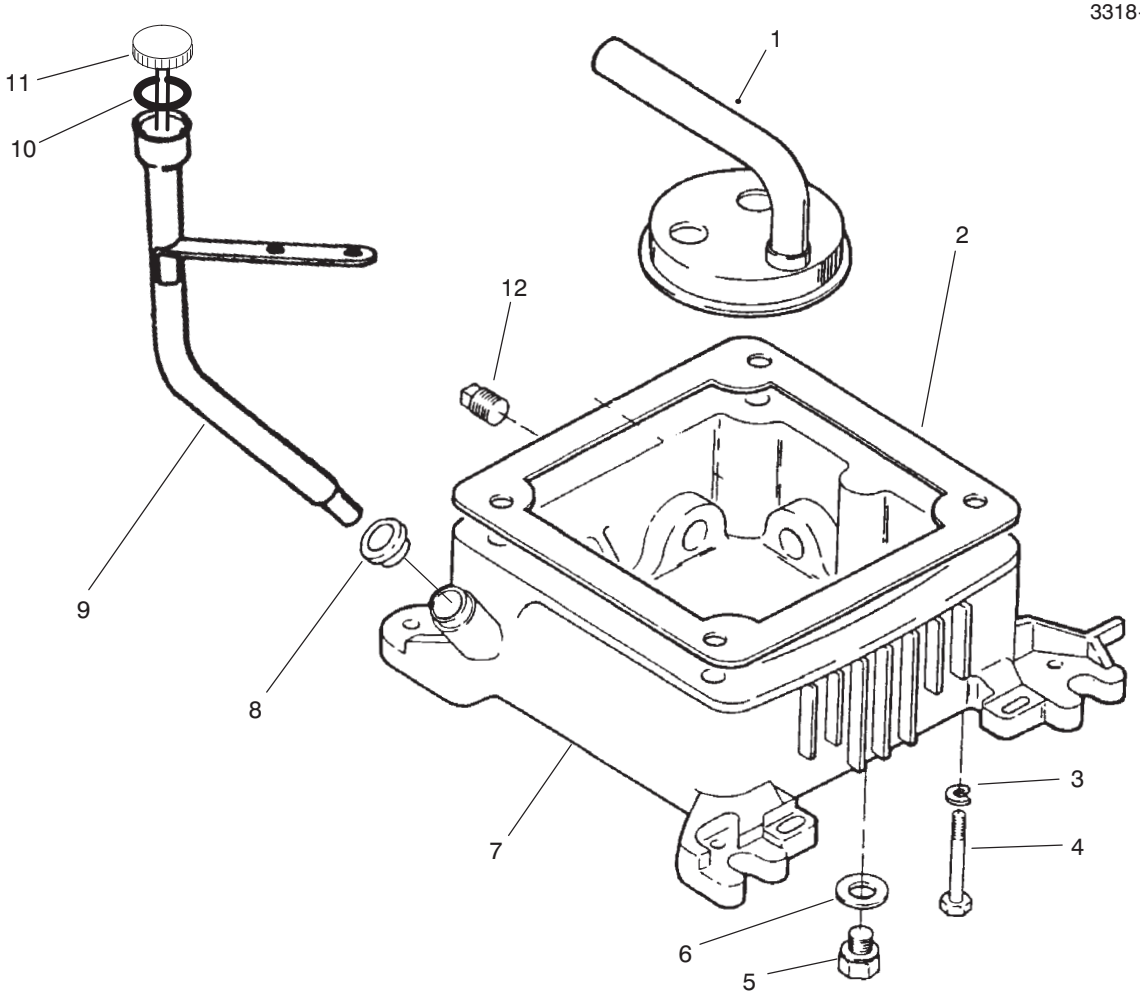


T–1260–1

ENGINE FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	57–8150	Screw – Cap Hex. Hd.	1
2	82–1320	Washer – Flat	1
3	59–0810	Washer – Flat	1

Ref. No.	Part No.	Description	No. Used
4	82–0610	Flywheel	1
5	71–6190	Key – Flywheel	1

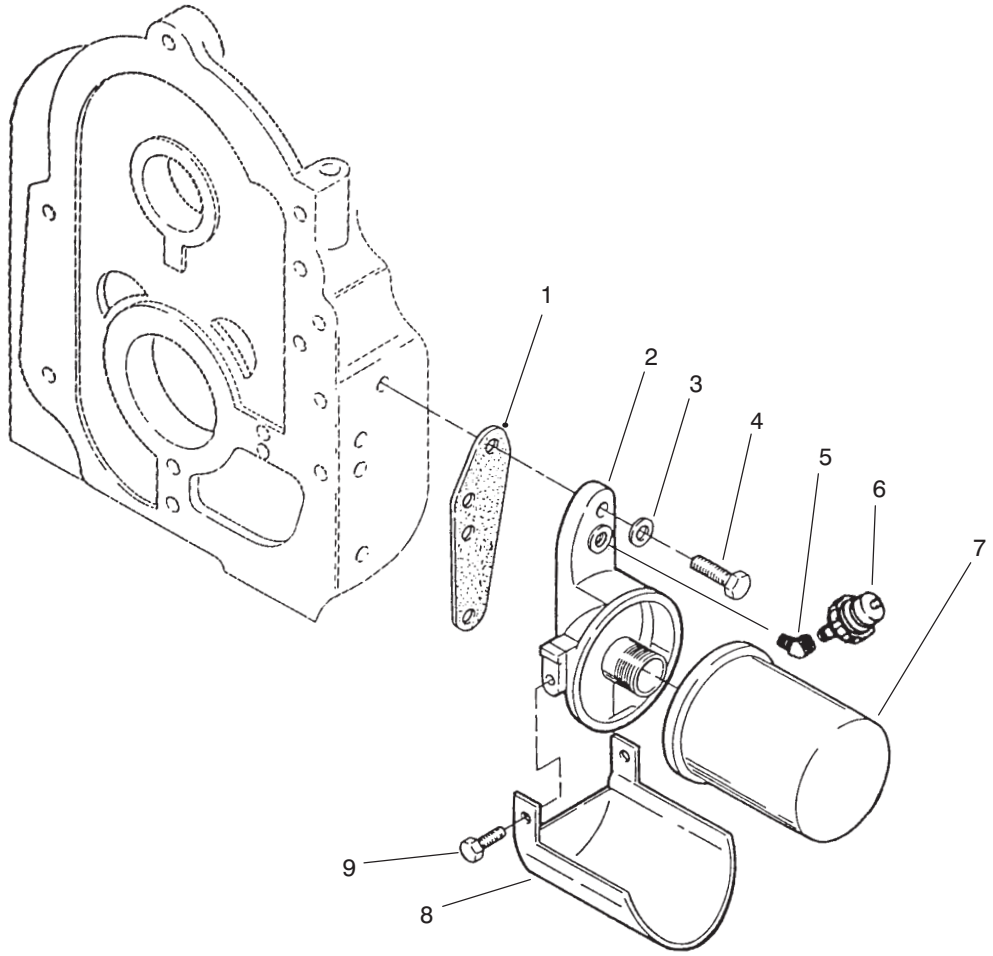


T–1261–1

ENGINE OIL BASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92–0944	Cup – Oil Pump Intake	1
2	82–0900	Gasket – Oil Base	1
3	82–1310	Washer – Flat	4
4	323–25	Screw – Cap Hex. Hd.	4
5	281–2	Plug – Hex. Hd.	1
6	57–8070	Gasket – Plug	1
7	92–0942	Oil Base Assembly (Incl. Ref. #2, 5, 6 & 12)	1

Ref. No.	Part No.	Description	No. Used
8	71–6170	Seal – Oil Fill Tube	1
9	92–0947	Tube – Oil Fill	1
10	57–9610	Seal – O–Ring	1
11	82–0590	Dipstick Assembly (Incl. Ref. #10)	1
12	92–0943	Plug – Pipe	1

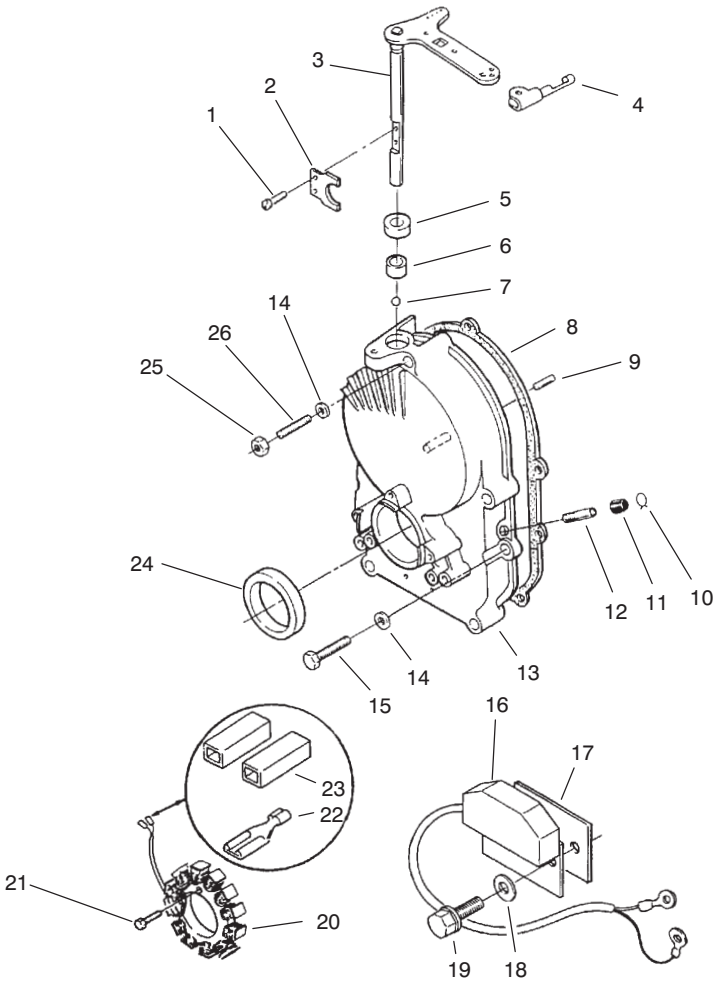


T–1262–1

ENGINE OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	79–6470	Gasket – Oil Filter Adaptor	1
2	82–0500	Adaptor – Oil Filter	1
3	57–9750	Washer – Flat	2
4	322–5	Screw – Cap Hex. Hd.	2
5	59–0640	Fitting – 45° Elbow	1

Ref. No.	Part No.	Description	No. Used
6	57–9490	Switch – Low Oil Pressure	1
7	57–8530	Filter – Oil	1
8	82–0510	Drain – Oil Filter	1
9	82–1510	Screw – Cap Hex. Hd.	2

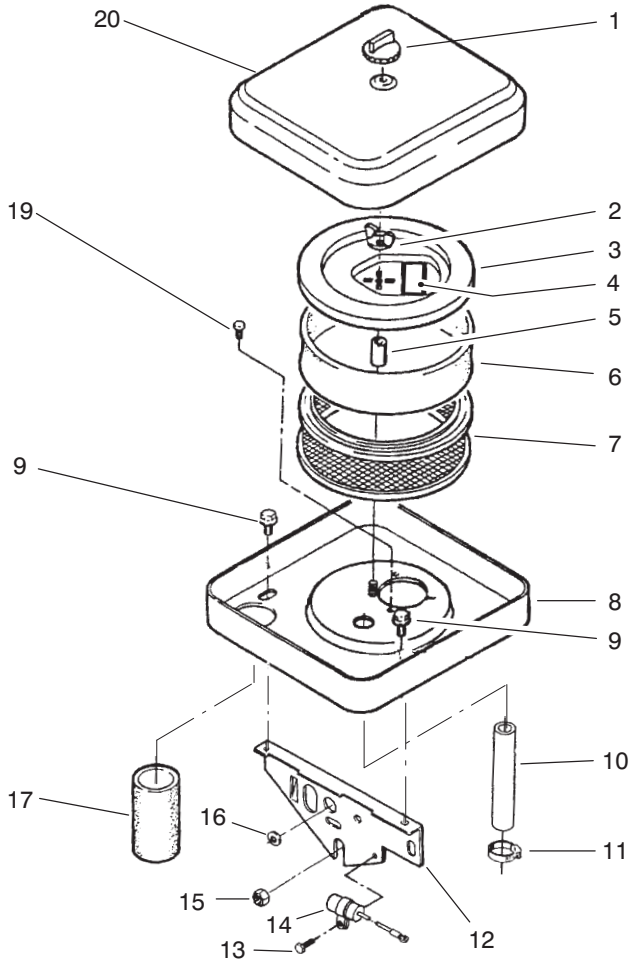


T−1263−1

ENGINE IGNITION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59−0950	Screw − Pan Hd.	2
2	59−0420	Yoke − Governor Shaft	1
3	59−0440	Shaft/Arm − Governor	1
4	57−9730	Clip − Retaining	1
5	57−9570	Seal − Governor Shaft	1
6	57−9650	Bearing − Governor Shaft	1
7	57−9630	Ball − Governor Shaft	1
8	82−0910	Gasket − Gear Case	1
9	59−0740	Pin − Dowel	1
10	57−9550	Clamp − Cap	1
11	59−0370	Cap − Vacuum Port	1
12	59−0360	Tube − Vacuum Port	1
13	71−6350	Gear Case Assembly (Incl. Ref. #1−3, 5−7, 9−12 & 24)	1

Ref. No.	Part No.	Description	No. Used
14	57−9750	Washer − Flat	5
15	322−9	Screw − Cap Hex. Hd.	4
16	71−6380	Control − Ignition	1
17	71−6410	Insulator − Ignition Module	1
18	82−1660	Washer − Lock	2
19	71−6400	Screw − Hex. Washer Hd.	2
20	57−9440	Stator − 20 Amp.	1
21	71−6390	Screw − Hex. Hd.	3
22	59−0590	Terminal − Stator Leads	3
23	82−1000	Body − Terminal Connector	2
24	57−9580	Seal − Crankshaft	1
25	59−1130	Nut − Hex.	1
26	59−0790	Stud − Cover	1

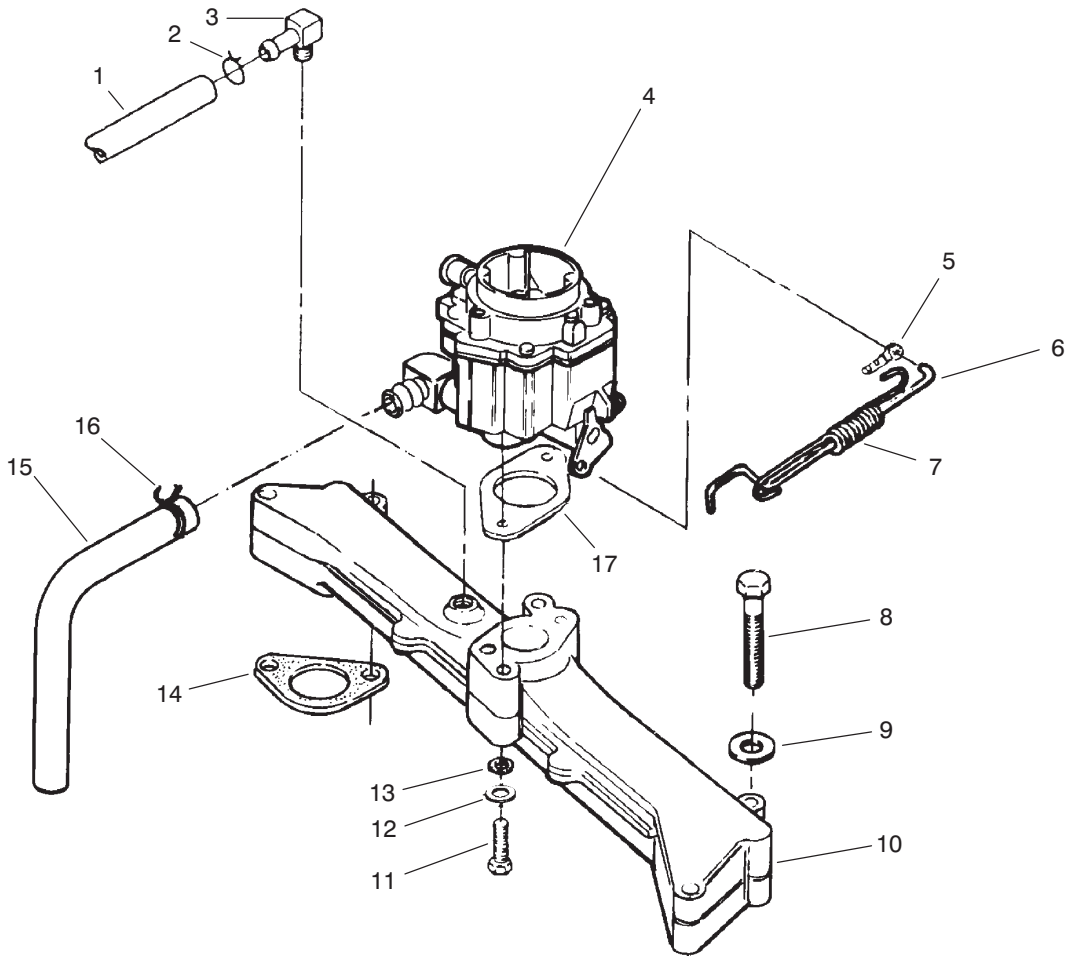


T–2496–1

ENGINE AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–1760	Knob	1
2	82–1670	Nut – Wing	1
3	82–0650	Cover – Inner	1
4	82–0010	Decal – Air Cleaner Maint.	1
5	82–0980	Spacer/Seal	1
6	82–0670	Wrapper – Element	1
7	82–0660	Element – Air Cleaner	1
8	82–0710	Housing – Air Cleaner	
9	82–1550	Screw – Tapping	2
10	92–0945	Hose – Breather	1

Ref. No.	Part No.	Description	No. Used
11	82–1090	Clamp – Hose	1
12	82–0720	Support – Air Cleaner	1
13	71–6450	Screw – Hex. Hd.	1
14	59–1180	Condenser	1
15	82–1690	Nut – Hex. Washer Hd.	1
16	71–6140	Grommet – Rubber	1
17	82–0700	Tube – Air Intake	1
19	82–1770	Screw – Hex. Washer Hd.	3
20	82–0690	Cover – Air Cleaner	1

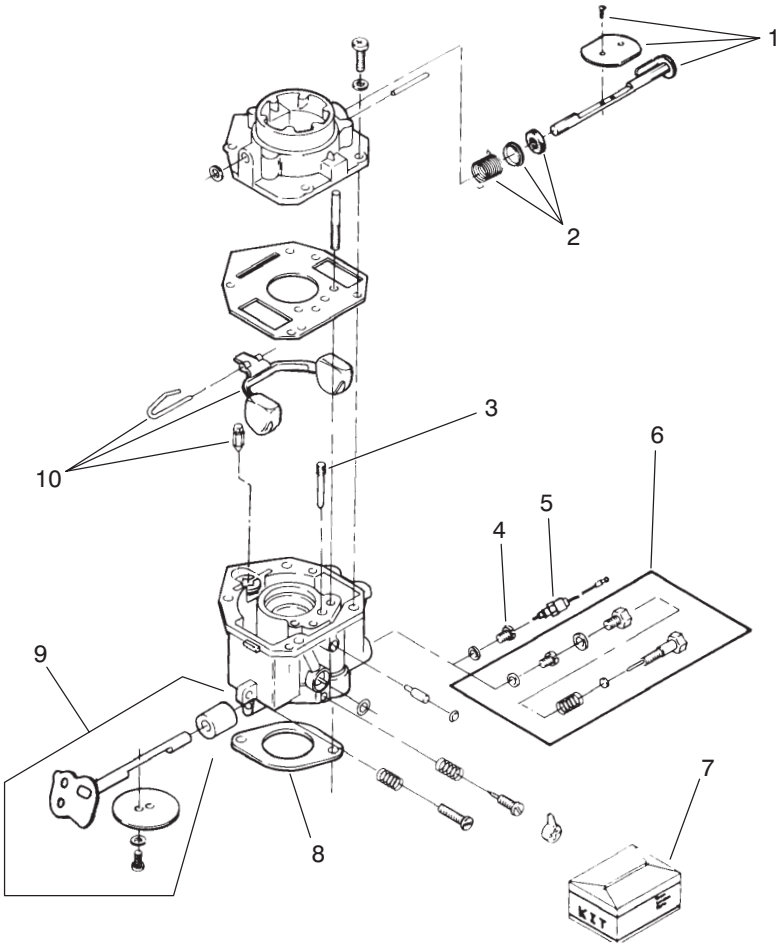


T–1265–1

ENGINE FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–1120	Hose – Breather	1
2	82–1090	Clamp – Hose	1
3	82–1070	Fitting – 90˚ Elbow	1
4	93–1676	Carburetor Assembly (Incl. Ref. #17)	1
5	57–9700	Clip – Retaining	1
6	82–0840	Rod – Governor Control	1
7	82–1740	Spring – Governor Rod	1
8	323–14	Screw – Cap Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
9	82–1310	Washer – Flat	4
10	82–0670	Manifold – Intake	1
11	322–12	Screw – Cap Hex. Hd.	2
12	82–1350	Washer – Flat	2
13	82–1340	Washer – Flat	2
14	82–0860	Gasket – Manifold	2
15	82–1100	Hose – Fuel (Cut to 15”)	1
16	82–1080	Clamp – Hose	2
17	82–0850	Gasket – Carburetor	1



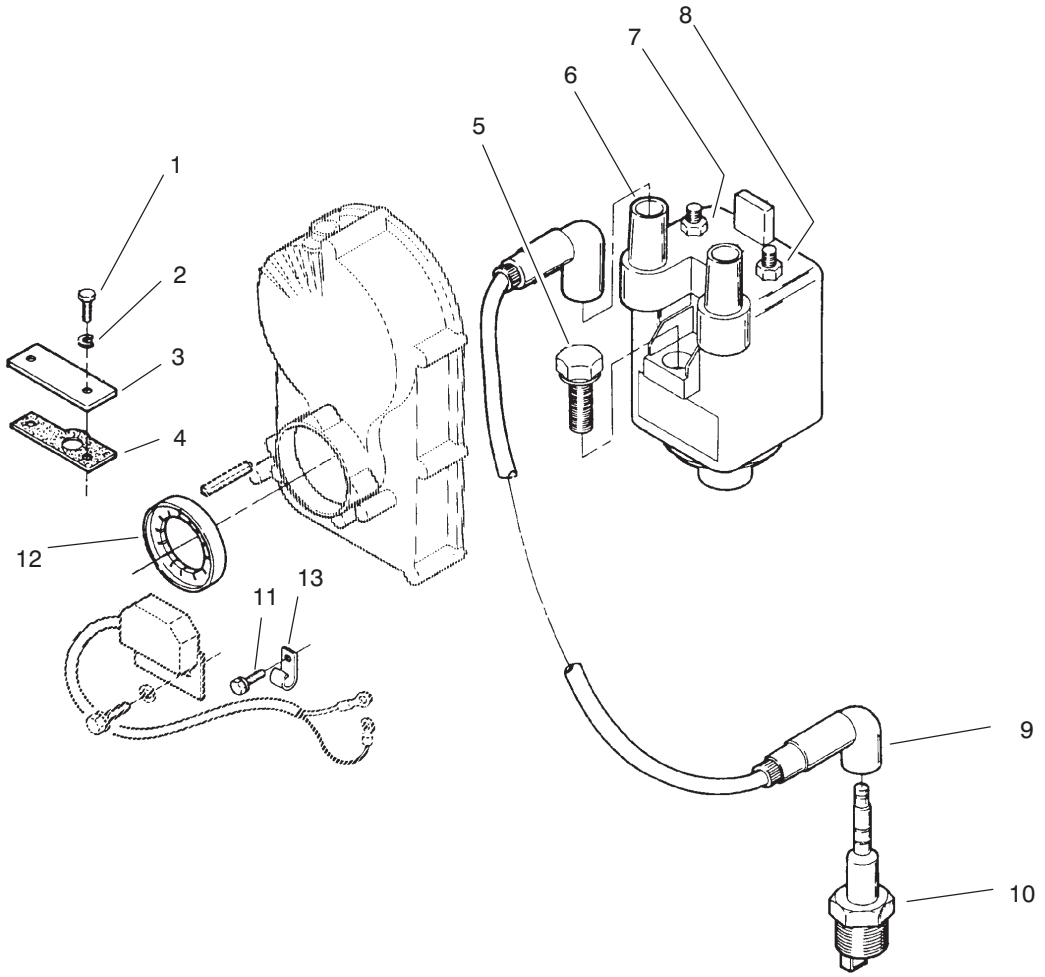
T–1266–1

ENGINE CARBURETOR ASSEMBLY NO. 93–1676

Ref. No.	Part No.	Description	No. Used
1	72–3860	Kit – Choke Shaft	1
2	72–3870	Kit – Choke Lever	1
3	82–0750	Jet – Idle	1
4	82–0790	Jet – Power (Std.)	1
5	82–0800	Solenoid – Fuel Shut–Off	1
6	82–0740	Kit – Jet (High Altitude Application)	1

Ref. No.	Part No.	Description	No. Used
7	93–1677	Carburetor Repair Kit (Incl. Ref. #8 & 10)	1
8	82–0850	Gasket – Carburetor	1
*	82–0760	Gasket – Carburetor	1
9	82–0810	Kit – Throttle Shaft	1
10	62–2800	Float Assembly	1

*Not Illustrated



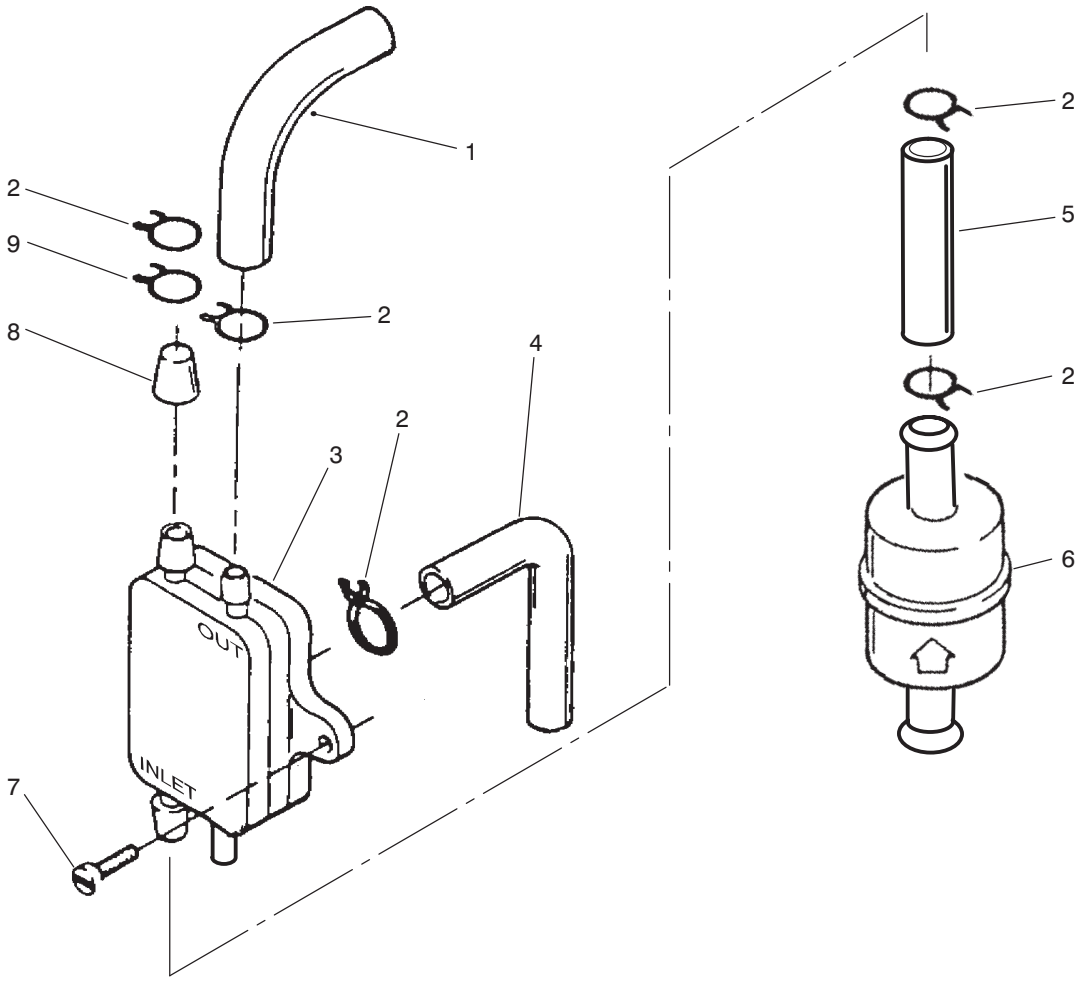
T–1267–1

ENGINE ELECTRONIC IGNITION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321–3	Screw – Cap Hex. Hd.	2
2	82–1340	Washer – Flat	2
3	71–5990	Plate – Ignition Plunger	1
4	57–9260	Gasket – Plate	1
5	71–6460	Screw – Hex. Flange Hd.	2
6	71–6000	Coil – Ignition	1
7	71–6440	Nut – Hex. Flange	1
8	71–6430	Hut – Hex. Flange	1

Ref. No.	Part No.	Description	No. Used
9	71–6420	Cable – Spark Plug (9”)	1
*	71–6020	Cable – Spark Plug (18.5”)	1
10	57–9340	Plug – Spark (Champion #RS17YX)	2
11	71–6450	Screw – Hex. Flange Hd.	1
12	71–6010	Rotor – Ignition	1
13	71–6220	Clip – Wire	1
*	86–8590	Wire Harness Assembly	1

*Not Illustrated

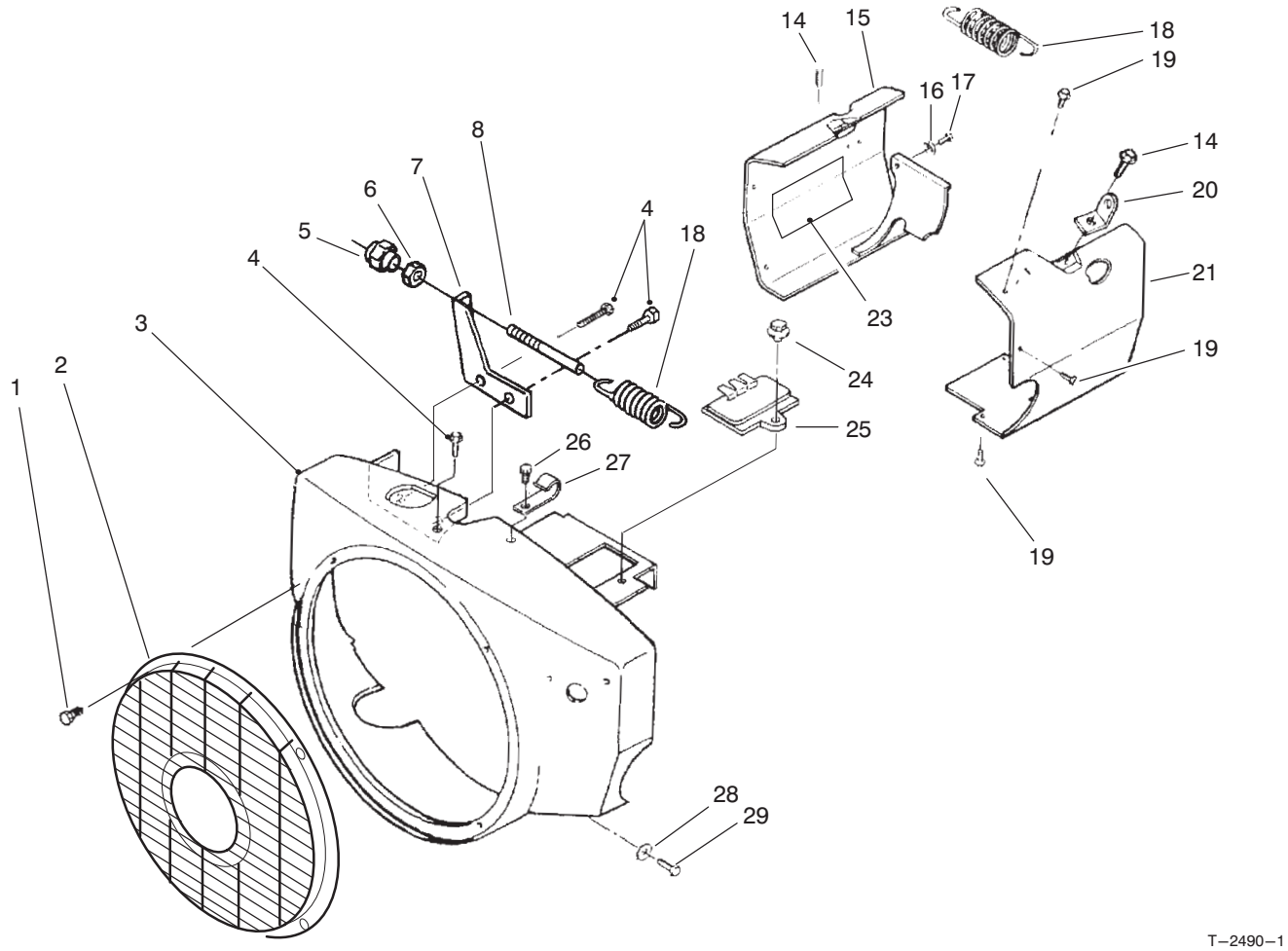


T–1268–1

ENGINE FUEL PUMP & FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–1100	Hose – Fuel (Cut to 15”)	1
2	82–1080	Clamp – Hose	6
3	57–9080	Pump – Fuel	1
4	71–6100	Line – Pulse (Cut to 7”)	1
5	71–6100	Hose – Fuel (Cut to 5”)	1

Ref. No.	Part No.	Description	No. Used
6	71–5960	Filter – Fuel	1
7	59–1050	Screw – Tapping Pan Hd.	2
8	59–0370	Fitting – Cap	1
9	57–9550	Clamp – Hose	1

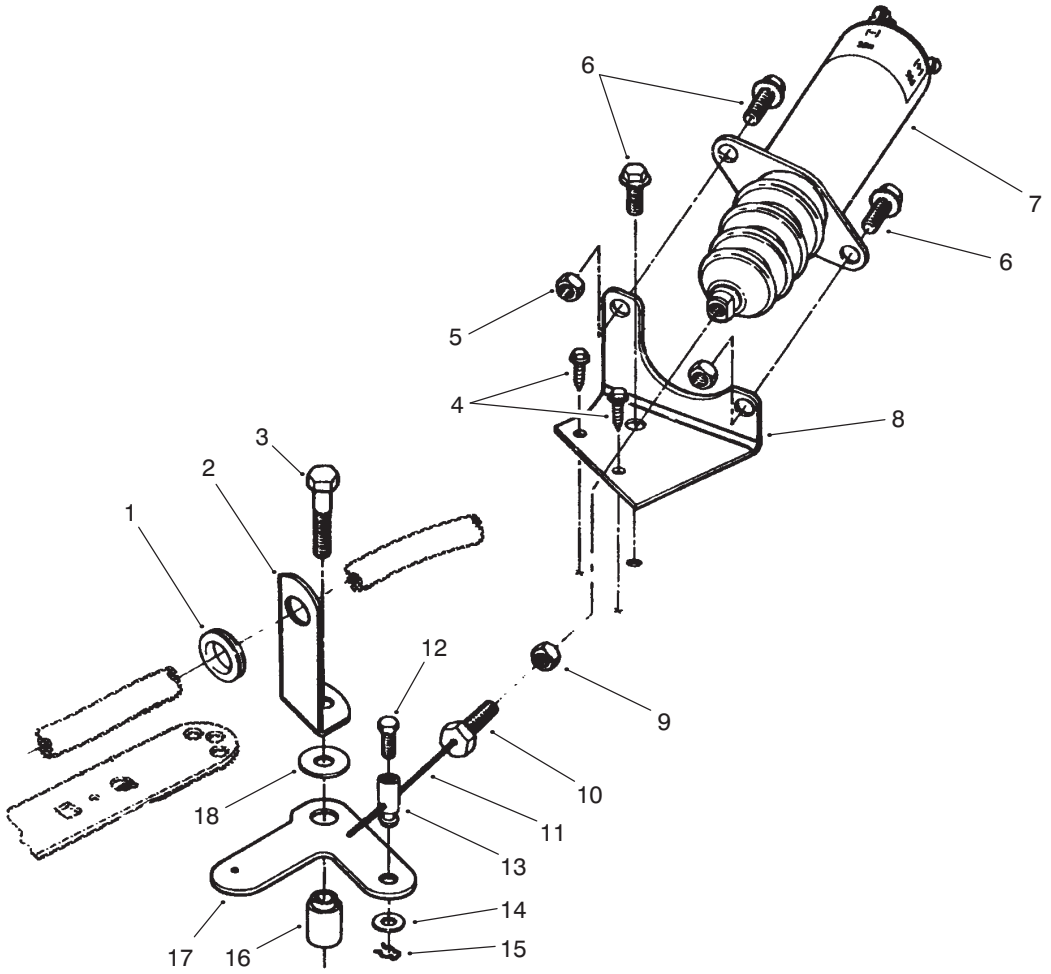


T–2490–1

ENGINE HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–1590	Screw – Pan Hd.	4
2	82–0620	Guard – Stationary	1
3	92–0948	Housing – Blower	1
4	59–1100	Screw – Hex. Washer Hd.	4
5	94–6647	Nut – Governor, Acorn	1
6	94–6648	Nut – Hex. Governor	1
7	94–6646	Bracket – Governor, Adjust	1
8	94–6645	Stud – Adjusting	1
14	82–1600	Screw – Hex. Washer Hd.	2
15	92–0949	Housing – Cylinder LH	1
16	59–0830	Washer – Flat	2
17	59–0980	Screw – Tapping	2

Ref. No.	Part No.	Description	No. Used
18	57–9100	Spring – Governor	2
19	59–1080	Screw – Hex. Washer Hd.	4
20	71–6080	Bracket – Lifting	2
21	92–0950	Housing – Cylinder RH	1
23	82–1580	Decal – Head Bolt Torque	2
24	59–1080	Screw – Hex. Flange Hd.	1
25	71–6030	Regulator – Voltage (20 Amp.)	1
26	82–1540	Screw – Hex. Washer	1
27	71–6220	Clip – Wire	1
28	59–0820	Washer – Flat	4
29	82–1780	Screw – Hex. Washer Hd.	3



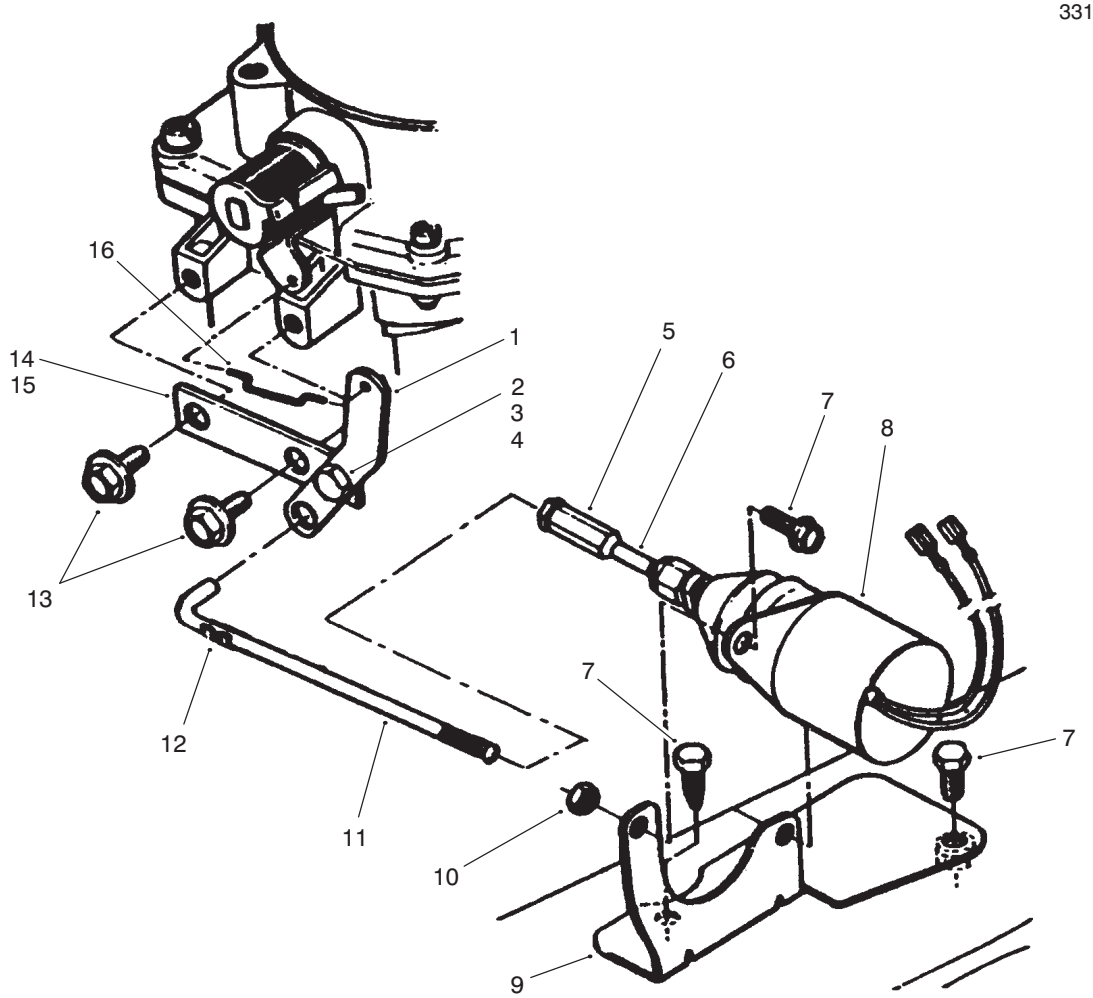
T–2491–1

ENGINE GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94–6637	Grommet – Fuel Line	1
2	94–6644	Bracket – Fuel Line	1
3	94–6633	Screw – HH	1
4	94–6635	Screw – HWH	2
5	3296–42	Nut – Lock	2
6	59–1100	Screw – Locking Head	3
7	94–6638	Solenoid – Governor	1
8	94–6641	Bracket – Solenoid Mount	1
9	3220–1	Nut – Hex.	1
†10		Screw – HH	1

Ref. No.	Part No.	Description	No. Used
11	94–6639	Cable (Incl. Ref. #10)	1
12	94–6634	Screw – HH	1
13	94–6640	Swivel – Choke Lever	1
14	3256–14	Washer – Flat	1
15	94–6636	Pin – Cotter	1
16	94–6643	Bushing – Governor Control	1
17	94–6642	Bracket – Governor	1
18	3256–16	Washer – Flat	1

†Not serviced serparately.



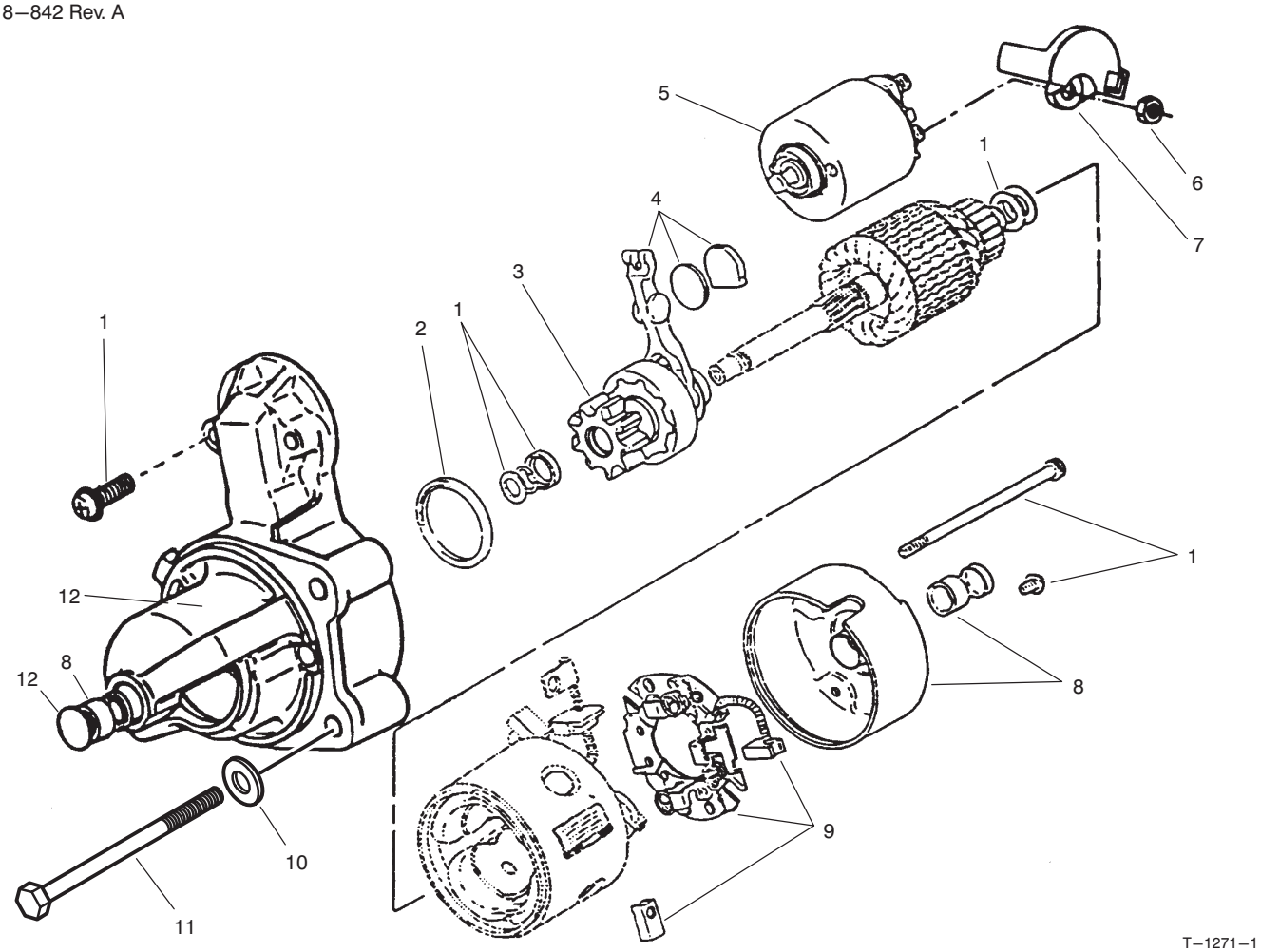
T–2492–1

ENGINE REMOTE CHOKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
†1		Lever – Choke	1
†2		Washer – Flat	2
†3		Screw – PH	1
4		Nut – Lock	1
5	3219–14	Nut – Hex.	1
6	94–6629	Joint – Ball	1
7	32144–10	Screw – HWH	4
8	94–6627	Solenoid	1
9	94–6628	Bracket – Solenoid	1

Ref. No.	Part No.	Description	No. Used
10	3296–42	Nut – Lock	2
11	94–6630	Rod – Choke	1
12	94–6631	Clip – Lock	1
13	72–3880	Screw – Lock	2
14	94–6632	Bracket – Assembly, Choke (Incl. Ref. #1–4 & 15)	1
†15		Bracket – Choke	1
16	57–9180	Link – Choke	1

*Not Illustrated
†Not serviced separately.



ENGINE STARTER ASSEMBLY NO. 71–6040

Ref. No.	Part No.	Description	No. Used
1	62–2760	Starter Hardware Kit	1
2	72–3950	Dust Seal Kit	1
3	72–3940	Starter Clutch Kit	1
4	62–2770	Starter Shift Lever Kit	1
5	72–3930	Starter Solenoid Kit	1
6	82–1730	Nut – Hex.	1
7	82–1720	Cap – Solenoid	1

Ref. No.	Part No.	Description	No. Used
8	62–2730	Starter Bushing Kit	1
9	62–2740	Starter Brush Kit	1
10	57–9770	Washer – Mounting Screw	2
11	322–22	Screw – Mounting	2
12	62–2750	Brush Mounting Kit	1
*	71–6040	Starter Assembly (Incl. Ref. #1–10)	1

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
41316	Coupler – Male	11	22	1
41318	Cap – Dust	11	24	1
7–0238	Key – Square	7	4	1
12–5450	Screw – Thread Form	5	6	4
14–5229	Muffler Shield Assembly	6	2	1
14–5239	Cover – Exhaust, Left	6	7	1
14–5249	Cover – Exhaust, Right	6	6	1
14–5289	Head – Pump	18	16	1
14–7449	Body – Valve	15	8	1
14–7449	Valve Assembly	12	17	1
20–7150	Switch – Toggle	5	4	1
27–2360	Switch – Ignition	5	5	1
42–3560	Bolt – Shoulder	16	10	1
43–4190	Fitting	11	34	1
43–4300	Trim – Rear Frame	11	36	3
44–8320	Spring – Compression	8	2	3
46–8091	Screw – Tapping	1	17	2
52–5980	Spacer	6	38	2
57–6040	Trim – Front Guard	2	34	1
57–8000	Bearing – Camshaft	20	16	2
57–8010	Gasket – Bearing Plate	20	14	1
57–8020	Bearing – Flanged (Std.)	21	37	1
57–8030	Bearing – Flanged	21	*	1
57–8050	Bearing – Crank (Std.)	20	12	1
57–8060	Bearing – Crank (.010 US)	20	*	1
57–8070	Gasket – Plug	25	6	1
57–8140	Washer – Gear Retaining	23	12	1
57–8150	Screw – Cap Hex. Hd.	24	1	1
57–8160	Washer – Thrust	20	13	2
57–8170	Shim – Crankshaft	21	38	A/R
57–8210	Camshaft Gear Assembly	23	5	1
57–8230	Washer – Thrust	23	6	1
57–8250	Spring – Valve	20	27	4
57–8270	Rotator – Valve	21	30	2
57–8450	Tappet – Valve	21	29	4
57–8460	Gasket Kit – Oil Pump	21	51	1
57–8470	Plunger – Bypass Valve	21	53	1
57–8480	Oil Pump Assembly	21	50	1
57–8500	Spring – Bypass Valve	21	52	1
57–8530	Filter – Oil	26	7	1
57–8580	Baffle – Breather Tube	20	4	1
57–9080	Pump – Fuel	32	3	1
57–9090	Ring – Retaining	23	1	1
57–9100	Spring – Governor	33	18	2
57–9130	Hub – Governor Cup	23	2	1
57–9180	Link – Choke	35	16	1
57–9260	Gasket – Plate	31	4	1
57–9340	Plug – Spark	31	10	2
57–9360	Bearing – Flanged	21	*	1
57–9440	Stator – 20 Amp.	27	20	1
57–9490	Switch – Low Oil Pressure	26	6	1
57–9550	Clamp – Cap	27	10	1
57–9550	Clamp – Hose	32	9	1
57–9570	Seal – Governor Shaft	27	5	1
57–9580	Seal – Crankshaft	27	24	1
57–9590	Seal – Oil	20	17	1
57–9610	Seal – O–Ring	25	10	1
57–9630	Ball – Governor Shaft	27	7	1
57–9640	Ball – Governor	23	4	5
57–9650	Bearing – Governor Shaft	27	6	1
57–9660	Key – Crankshaft Gear	23	14	1
57–9660	Key – Woodruff	23	8	1
57–9700	Clip – Retaining	29	5	1
57–9710	Ring – Retaining	23	13	1
57–9730	Clip – Retaining	27	4	1
57–9740	Washer – Flat	20	20	2
57–9750	Washer – Flat	26	3	2
57–9750	Washer – Flat	27	14	5
57–9760	Washer – Flat	22	55	1
57–9770	Washer – Mounting Screw	36	10	2
57–9800	Bearing – Flanged	21	*	1
59–0010	Bearing – Flanged	21	*	1
59–0020	Bearing – Crank (.002 US)	20	*	1
59–0030	Bearing – Crank (.020 US)	20	*	1
59–0040	Bearing – Crank (.030 US)	20	*	1
59–0360	Tube – Vacuum Port	27	12	1
59–0370	Cap – Vacuum Port	27	11	1
59–0370	Fitting – Cap	32	8	1
59–0400	Pin – Center	23	7	1
59–0420	Yoke – Governor Shaft	27	2	1
59–0440	Shaft/Arm – Governor	27	3	1
59–0450	Cup – Governor	23	3	1
59–0590	Terminal – Stator Leads	27	22	3
59–0640	Fitting – 45° Elbow	26	5	1
59–0730	Pin – Bearing Stop	20	18	4
59–0740	Pin – Dowel	27	9	1
59–0750	Pin – Alignment	21	39	2
59–0760	Plug – Hole	21	46	1
59–0770	Breather Hole Plug	22	*	1
59–0790	Stud – Cover	27	26	1
59–0810	Washer – Flat	24	3	1
59–0820	Washer – Flat	33	28	4
59–0830	Washer – Flat	33	16	2
59–0910	Screw – Cap Hex. Hd.	21	54	1
59–0950	Screw – Pan Hd.	27	1	2
59–0980	Screw – Tapping	33	17	2
59–1050	Screw – Tapping Pan Hd.	32	7	2
59–1080	Screw – Hex. Flange Hd.	33	24	1
59–1080	Screw – Hex. Washer Hd.	33	19	4
59–1100	Screw – Hex. Washer Hd.	33	4	4
59–1100	Screw – Locking Head	34	6	3
59–1130	Nut – Hex.	27	25	1
59–1180	Condenser	28	14	1
61–3310	Plate – Logo	1	13	1
62–2730	Starter Bushing Kit	36	8	1
62–2740	Starter Brush Kit	36	9	1
62–2750	Brush Mounting Kit	36	12	1
62–2760	Starter Hardware Kit	36	1	1
62–2770	Starter Shift Lever Kit	36	4	1
62–2800	Float Assembly	30	10	1
63–8360	Key – Ignition	5	14	1
65–5100	Handle – Hood	1	18	1
66–2490	Retainer – Battery	6	31	1
67–7050	Field Rotor Assembly	8	1	1
67–7100	Plate – Brake	8	3	1
69–1170	Glass – Sight	9	28	1
69–6470	Bushing	2	12	4
70–1480	Relay	3	15	4
71–5960	Filter – Fuel	32	6	1
71–5960	Filter – Fuel	6	23	1
71–5990	Plate – Ignition Plunger	31	3	1
71–6000	Coil – Ignition	31	6	1
71–6010	Rotor – Ignition	31	12	1
71–6020	Cable – Spark Plug (18.5)	31	*	1
71–6030	Regulator – Voltage	33	25	1
71–6040	Starter Assembly	36	*	1
71–6080	Bracket – Lifting	33	20	2
71–6100	Hose – Fuel (Cut to 5)	32	5	1
71–6100	Line – Pulse (Cut to 7)	32	4	1
71–6140	Grommet – Rubber	28	16	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
71–6170	Seal – Oil Fill Tube	25	8	1
71–6190	Key – Flywheel	24	5	1
71–6220	Clip – Wire	31	13	1
71–6220	Clip – Wire	33	27	1
71–6240	Screw – Hex. Flange Hd.	20	19	5
71–6350	Gear Case Assembly	27	13	1
71–6380	Control – Ignition	27	16	1
71–6390	Screw – Hex. Hd.	27	21	3
71–6400	Screw – Hex. Washer Hd.	27	19	2
71–6410	Insulator – Ignition Module	27	17	1
71–6420	Cable – Spark Plug (9)	31	9	1
71–6430	Hut – Hex. Flange	31	8	1
71–6440	Nut – Hex. Flange	31	7	1
71–6450	Screw – Hex. Flange Hd.	31	11	1
71–6450	Screw – Hex. Hd.	28	13	1
71–6460	Screw – Hex. Flange Hd.	31	5	2
72–3860	Kit – Choke Shaft	30	1	1
72–3870	Kit – Choke Lever	30	2	1
72–3880	Screw – Lock	35	13	2
72–3930	Starter Solenoid Kit	36	5	1
72–3940	Starter Clutch Kit	36	3	1
72–3950	Dust Seal Kit	36	2	1
72–4320	Switch – Ball	12	44	1
74–0720	Tube – Manual	11	25	1
75–6820	Hour Meter	3	8	1
79–6470	Gasket – Oil Filter Adaptor	26	1	1
80–5080	Support – Manifold	12	26	1
80–5240	Housing – Gear Box	9	3	1
80–5260	Cover – Gear Box	9	5	1
80–5280	Gear	9	22	1
80–5300	Housing – Bearing	9	19	1
80–5320	Housing – Pinion Bearing	9	17	1
80–5330	Sleeve – Follower	9	2	1
80–5570	Retainer – Valve Spring	15	15	1
80–5580	Follower – Cam	12	18	1
80–5590	Pilot – Gear Box	15	18	1
80–5600	Spool – Valve	15	1	1
80–5630	Valve – Check	18	3	6
80–5640	Gage – Pressure Switch	3	5	1
80–5650	Muffler – Exhaust	6	33	1
80–5720	Retainer – Seal	18	14	3
80–5730	Ring – Head Back–Up	18	10	3
80–5730	Ring – Head Back–Up	15	30	1
80–5740	Seal – Packing	15	29	1
80–5740	Seal – Packing Vee	18	11	3
80–5750	Support – Seal/Plunger	18	12	3
80–5751	Support – Seal/Plunger	15	28	1
80–5760	Seal – U–Cup	18	13	3
80–5760	Seal – U–Cup	15	26	1
80–5770	Spring – Compression	15	16	1
80–5780	Seal – O–Ring	15	3	1
80–5780	Seal – O–Ring	12	39	1
80–5781	Seal – Check Valve	18	4	6
80–5782	Seal – O–Ring	12	16	2
80–5782	Seal – O–Ring	18	22	1
80–5782	Seal – O–Ring	15	37	1
80–5784	O–Ring	12	6	2
80–5786	Seal – O–Ring	12	37	11
80–5791	Seal – O–Ring	18	2	6
80–5791	Seal – O–Ring	12	28	2
80–5793	Seal – O–Ring	12	4	2
80–5794	Seal – O–Ring	12	2	1
80–5794	Seal – O–Ring	18	6	1
80–6521	Hose – Gage	18	18	1
80–6521	Hose – Gage	15	34	1
80–6600	Bracket – Spring	16	11	1
80–6620	Spring – Extension	16	8	1
80–6650	Pulley – Double Groove	16	17	1
80–6660	Bushing – Taper Lock	16	18	1
80–6730	Belt	16	16	2
80–6791	Battery	6	25	1
80–6980	Soft Latch Assembly	2	18	2
80–7020	Fitting – Breather	9	6	1
80–7020	Vent – Filter	17	2	1
80–7030	Shim – Pinion Bearing	9	16	1
80–7031	Shim – Pinion Bearing	9	*	1
80–7032	Shim – Pinion Bearing	9	*	1
80–7033	Shim – Pinion Bearing	9	*	1
80–7040	Shim – Gear/Cam Bearing	9	20	1
80–7041	Shim – Gear/Cam Bearing	9	*	1
80–7042	Shim – Gear/Cam Bearing	9	*	1
80–7043	Shim – Gear/Cam Bearing	9	*	1
80–7050	Shim – Gearbox .002 Red	7	24	A/R
80–7051	Shim – Gearbox .005 Blue	7	25	A/R
80–7052	Shim – Gearbox .015 Pink	7	26	A/R
80–7053	Shim – Gearbox .020	7	27	A/R
80–7070	Relief Valve Assembly	12	14	1
80–7680	Support – Muffler	6	15	2
80–7700	Bracket – Support	6	11	1
80–7710	Spacer – Idler Pivot	16	7	1
80–8000	Decal – Warning	7	16	1
80–8030	Decal – Danger	13	6	2
80–8030	Decal – Danger	12	8	2
80–8040	Decal – Caution	7	18	1
80–8180	Hub – Adapter	7	30	1
80–8210	Feeder – Manifold	12	38	1
80–8220	Cap – Check Valve	18	1	6
80–8220	Plug	12	29	2
80–8230	Plug	12	41	1
80–8290	Plate – Hot Surface	6	34	3
80–8340	Shaft – Pinion	9	12	1
80–8360	Pulley – Idler, Flat	16	2	1
80–8460	Seal – O–Ring	15	5	1
80–8470	Ring – Support	15	6	1
80–8500	Cam	9	23	1
80–8510	Block – Weight	9	27	1
80–8560	Washer	7	35	1
80–8570	Washer	7	31	1
80–8600	Housing – Filter	11	16	1
80–8620	Spacer – Rubber Coupler	7	22	2
80–8650	Coupling – Rubber	7	14	1
80–8660	Spacer	7	32	2
80–8680	Stud	16	15	2
80–8680	Stud	12	20	2
80–8880	Decal – Warning	13	7	2
80–8880	Decal – Warning	12	9	2
80–8880	Decal – Warning	2	9	1
80–8970	Cap – Valve	13	15	1
80–8980	Piston Assembly	13	8	1
80–8990	Ring – Backup	13	10	2
80–9000	Valve – Accumulator	13	12	1
80–9020	Guard – Valve	13	13	1
80–9040	Cap – End	13	9	1
80–9080	Hinge	2	7	2
80–9080	Hinge	1	9	2
80–9150	Support – Muffler Shield	6	4	1
80–9200	Seal – Back–Up	15	19	1
80–9220	Retainer – Seal	15	25	1
80–9260	Plate – Back Up	1	2	2
80–9270	Bracket – Switch	5	10	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
80–9280	Switch Assembly	5	9	2
80–9290	Button – Push (Green)	5	7	1
80–9300	Button – Push (Red)	5	8	1
80–9310	Spacer – Tubular	1	14	2
80–9350	Plate – Hot Surface	6	35	2
80–9390	Guide – Valve	15	27	1
80–9410	Fitting – Adapter	15	31	1
80–9450	Decal – Pump	17	6	1
80–9480	Retainer – Tube	18	19	1
80–9480	Tube – Retainer	15	33	1
80–9500	Adapter – Bulkhead	11	23	1
80–9510	Wrench	11	*	1
80–9560	Gasket – Pilot	15	35	1
80–9610	Bushing – Flange	16	5	2
80–9640	Kit – Seal	18	*	1
80–9650	Kit – Check Valve	18	*	1
80–9660	Kit – Rebuild	15	*	1
80–9710	Spring – Conical	12	32	11
80–9750	Valve – Bleed	15	11	1
80–9800	Flange – Nozzle	12	35	11
80–9890	Clamp – Valve	12	13	1
80–9900	Fitting – Valve	12	15	1
80–9910	Coupler – Drive	7	43	1
80–9920	Spacer – Coupler	7	11	2
80–9980	Fitting – Extension	12	3	1
82–0010	Decal – Air Cleaner Maint.	28	4	1
82–0020	Plate – Bearing Rear	20	15	1
82–0040	Nut – Hex.	21	40	20
82–0060	Crankshaft	23	10	1
82–0070	Washer – Spring Retainer	21	48	2
82–0080	Insert – Exhaust Valve	20	24	2
82–0090	Insert – Exhaust Valve	20	*	2
82–0100	Insert – Exhaust Valve	20	*	2
82–0110	Insert – Exhaust Valve	20	*	2
82–0120	Insert – Exhaust Valve	20	*	2
82–0130	Gasket – Cylinder Head	20	9	2
82–0140	Guide – Exhaust Valve	20	26	2
82–0150	Guide – Intake Valve	20	*	2
82–0160	Insert – Intake Valve	20	25	2
82–0170	Insert – Intake Valve	20	*	2
82–0210	Head – Cylinder	20	10	2
82–0220	Valve – Intake	20	22	2
82–0230	Valve – Exhaust	20	23	2
82–0240	Cap – Exhaust Valve	21	43	2
82–0250	Lock – Valve Spring	21	28	8
82–0260	Gasket – Valve Cover	20	6	2
82–0270	Seal – Intake Valve	20	8	2
82–0280	Cover – Valve (Coil)	20	5	1
82–0300	Piston Assy. (Std.)	22	60	2
82–0380	Piston Ring Set (.010 OS)	22	*	2
82–0390	Piston Ring Set (.020 OS)	22	*	2
82–0400	Piston Ring Set (.030 OS)	22	*	2
82–0410	Bushing – Piston Pin	21	41	2
82–0420	Bearing Half – Rod (Std.)	21	35	4
82–0430	Bearing Half – Rod	21	*	4
82–0440	Bearing Half – Rod	21	*	4
82–0450	Bearing Half – Rod	21	*	4
82–0460	Bearing Half – Rod	21	*	4
82–0470	Connecting Rod Assembly	22	58	2
82–0480	Tube – Oil	20	21	1
82–0500	Adaptor – Oil Filter	26	2	1
82–0510	Drain – Oil Filter	26	8	1
82–0530	Clamp – Breather Tube	21	32	1
82–0540	Tube – Breather	20	3	1
82–0550	Breather Cap & Valve	20	2	1
82–0560	Screen – Breather Tube	21	33	2
82–0570	Seal – O–Ring	21	34	1
82–0590	Dipstick Assembly	25	11	1
82–0610	Flywheel	24	4	1
82–0620	Guard – Stationary	33	2	1
82–0650	Cover – Inner	28	3	1
82–0660	Element – Air Cleaner	28	7	1
82–0670	Manifold – Intake	29	10	1
82–0670	Wrapper – Element	28	6	1
82–0690	Cover – Air Cleaner	28	20	1
82–0700	Tube – Air Intake	28	17	1
82–0710	Housing – Air Cleaner	28	8	
82–0720	Support – Air Cleaner	28	12	1
82–0740	Kit – Jet	30	6	1
82–0750	Jet – Idle	30	3	1
82–0760	Gasket – Carburetor	30	*	1
82–0790	Jet – Power (Std.)	30	4	1
82–0800	Solenoid – Fuel Shut–Off	30	5	1
82–0810	Kit – Throttle Shaft	30	9	1
82–0840	Rod – Governor Control	29	6	1
82–0850	Gasket – Carburetor	30	8	1
82–0850	Gasket – Carburetor	29	17	1
82–0860	Gasket – Manifold	29	14	2
82–0880	Camshaft	23	9	1
82–0900	Gasket – Oil Base	25	2	1
82–0910	Gasket – Gear Case	27	8	1
82–0950	Gasket Kit (Engine)	21	47	1
82–0960	Gasket Kit (Carbon Remove)	20	*	1
82–0980	Spacer/Seal	28	5	1
82–1000	Body – Terminal Connector	27	23	2
82–1070	Fitting – 90˚ Elbow	29	3	1
82–1080	Clamp – Hose	32	2	6
82–1080	Clamp – Hose	29	16	2
82–1090	Clamp – Hose	29	2	1
82–1090	Clamp – Hose	28	11	1
82–1100	Hose – Fuel (Cut to 15)	32	1	1
82–1100	Hose – Fuel (Cut to 15)	29	15	1
82–1120	Hose – Breather	29	1	1
82–1180	Plug – Expansion	20	7	1
82–1200	Ring – Retaining	22	56	4
82–1300	Washer – Flat	21	44	20
82–1310	Washer – Flat	25	3	4
82–1310	Washer – Flat	29	9	4
82–1310	Washer – Flat	21	42	5
82–1320	Washer – Flat	24	2	1
82–1340	Washer – Flat	31	2	2
82–1340	Washer – Flat	29	13	2
82–1350	Washer – Flat	29	12	2
82–1470	Bolt – Connecting Rod	22	59	4
82–1480	Screw – Tapping	20	11	1
82–1510	Screw – Cap Hex. Hd.	26	9	2
82–1520	Gasket – Exhaust, Twin	6	36	2
82–1540	Screw – Hex. Washer	33	26	1
82–1550	Screw – Tapping	28	9	2
82–1580	Decal – Head Bolt Torque	33	23	2
82–1590	Screw – Pan Hd.	33	1	4
82–1600	Screw – Hex. Washer Hd.	33	14	2
82–1620	Washer – Lock	22	62	2
82–1650	Washer – Lock	21	45	24
82–1660	Washer – Lock	27	18	2
82–1670	Nut – Wing	28	2	1
82–1690	Nut – Hex. Washer Hd.	28	15	1
82–1710	Cover – Valve (Dipstick)	20	*	1
82–1720	Cap – Solenoid	36	7	1
82–1730	Nut – Hex.	36	6	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
82–1740	Spring – Governor Rod	29	7	1
82–1760	Knob	28	1	1
82–1770	Screw – Hex. Washer Hd.	28	19	3
82–1780	Screw – Hex. Washer Hd.	33	29	3
86–8110	Extension – Nozzle	12	36	11
86–8130	Nozzle (#56) (Opt.)	12	*	6
86–8131	Nozzle (#53) (Std.)	12	30	11
86–8133	Nozzle (#46) (Opt.)	12	*	6
86–8140	Retainer – Nozzle	12	43	11
86–8150	Washer	12	31	11
86–8160	Brake Clutch Assembly	7	10	1
86–8170	Armature & Hub Assembly	8	5	1
86–8310	Sleeve – Plunger	15	7	1
86–8320	Washer – Slotted	15	23	1
86–8360	Crankshaft	17	15	1
86–8380	Rod – Connecting	17	13	3
86–8470	Cable – Battery, Negative	6	22	1
86–8550	Valve Repair Kit	14	*	1
86–8570	Flange – Crankcase	17	27	1
86–8580	Flange – Crankcase	17	9	1
86–8590	Wire Harness Assembly	31	*	1
86–8610	Screw – Hex. Flange Hd.	12	34	22
86–8620	Filter – Water	11	15	1
86–8720	Shim – .002 Red	17	8	A/R
86–8721	Shim – .005 Blue	17	*	A/R
86–8722	Shim – .015 Pink	17	*	A/R
86–8723	Shim – .020 Yellow	17	*	A/R
86–8730	Gasket	17	19	1
86–8740	Pin – Connecting Rod	17	24	3
86–8750	Guide – Plunger	17	28	3
86–8760	Seal	17	11	1
86–8770	Seal	17	29	3
86–8780	Bearing – Tapered	17	23	2
86–8790	Key	17	18	1
86–8790	Key	16	24	1
86–8810	Crankcase	17	5	1
86–8820	Rod – Plunger	17	12	3
86–8830	Stud – Head	17	1	8
86–8830	Stud – Head	18	8	8
86–8830	Stud – Head	16	23	8
86–8840	Bearing Set – Split	17	14	3
86–8850	Cover – Crankcase	17	20	1
86–8860	Dipstick	17	3	1
86–8870	Idler Pivot Assembly	16	6	1
86–8890	Spacer – Pulley	16	19	1
86–8900	Water Pump Crankcase Asm	16	22	1
86–8950	Drive Coupler Assembly	7	21	1
86–9060	Control – Electric	3	14	1
86–9070	Seat – Valve	15	2	1
92–0256	Magnet – 90#	5	18	1
92–0924	Short Block Assembly	20	1	1
92–0925	Insert – Intake Valve	20	*	2
92–0926	Insert – Intake Valve	20	*	2
92–0927	Insert – Intake Valve	20	*	2
92–0928	Stud – Cylinder Head Btm.	21	36	8
92–0929	Stud – Cylinder Head Top	21	*	4
92–0932	Stud – Cylinder Head Mid.	21	*	8
92–0934	Piston Assy. (.005 OS)	22	*	2
92–0935	Piston Assy. (.010 OS)	22	*	2
92–0936	Piston Assy. (.020 OS)	22	*	2
92–0937	Piston Assy. (.030 OS)	22	*	2
92–0938	Pin – Piston	22	61	2
92–0939	Piston Ring Set (Std.)	22	57	2
92–0940	Piston Ring Set (.005 OS)	22	*	2
92–0941	Gear – Crankshaft	23	11	1
92–0942	Oil Base Assembly	25	7	1
92–0943	Plug – Pipe	25	12	1
92–0944	Cup – Oil Pump Intake	25	1	1
92–0945	Hose – Breather	28	10	1
92–0947	Tube – Oil Fill	25	9	1
92–0948	Housing – Blower	33	3	1
92–0949	Housing – Cylinder LH	33	15	1
92–0950	Housing – Cylinder RH	33	21	1
92–2555	Decal – Warning	2	30	2
92–3188	Diode – Circuit Board	3	*	1
92–9530	Plunger – Switch	13	3	1
92–9531	Retainer – Plunger	13	1	1
92–9532	Spring – Compression	13	2	1
92–9535	Seal – O–Ring	13	5	1
92–9536	Ring – Backup	13	4	2
92–9542	Decal – Important	2	14	1
92–9547	Bracket – Angle	17	21	2
93–1667	Accumulator Assembly	12	7	1
93–1674	Cap – End	13	11	1
93–1676	Carburetor Assembly	29	4	1
93–1677	Carburetor Repair Kit	30	7	1
93–3101	Cap – Gas	11	1	1
93–4665	Bushing – Flange	2	15	2
93–5476	Switch	5	3	1
93–9360	Decal – Pump (Europe)	17	6	1
94–5247	Kit – Roller	19	*	1
94–6452	Shroud	1	3	1
94–6453	Tank – Fuel	11	2	1
94–6455	Manifold	12	27	1
94–6478	Bracket – Relay Mount	3	1	1
94–6491	Wire Harness – Main	6	20	1
94–6492	Wire Harness – Front	5	21	1
94–6493	Bracket – Filter	11	14	1
94–6495	Decal – Hydroject 4000	2	13	2
94–6496	Strap – Connector	2	28	1
94–6502	Cable – Battery, Positive	6	45	1
94–6505	Flap	2	20	1
94–6509	Spacer – Engine	7	3	1
94–6510	Engine	6	19	1
94–6512	Decal – Quick Reference	6	40	1
94–6513	Decal – Service	6	39	1
94–6514	Battery Base	6	41	1
94–6519	Strap – Tank, Long	11	10	1
94–6520	Strap – Tank, Short	11	11	1
94–6521	Felt Strip – Strap, Long	11	8	1
94–6522	Felt Strip – Strap, Short	11	9	1
94–6523	Strap – Hood, Side	1	16	4
94–6524	Strap – Hood, Front	1	19	2
94–6525	Channel – Hinge, Support	1	8	1
94–6526	Strap – Hood, Rear	1	5	1
94–6550	Decal – Control Box	5	19	1
94–6552	Decal – Control Box	5	22	1
94–6553	Hose	19	24	3
94–6553	Hose	11	32	2
94–6555	Hose	3	19	1
94–6557	Guard	2	10	1
94–6562	Shield – Splash	2	3	2
94–6563	Spacer – Clutch	7	44	1
94–6564	Clutch Assembly	7	2	1
94–6565	Retainer – Clutch	7	41	1
94–6566	Stop – Clutch	7	5	1
94–6567	Clutch – Stop	7	6	1
94–6569	Clutch Stop	7	9	1
94–6583	Adapter – Fitting	18	7	1
94–6584	Key – Engine	7	1	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
94–6586	Pulley	19	3	1
94–6587	Pump – Water	19	1	1
94–6589	Belt	19	4	1
94–6608	Fitting – Adapter	19	12	2
94–6609	Fitting – Tee	19	11	1
94–6613	Hose	11	20	1
94–6613	Hose	19	23	1
94–6614	Hose	19	22	1
94–6614	Hose	12	47	1
94–6615	Hose	18	20	1
94–6616	Hose – Fuel	6	21	1
94–6616	Hose – Fuel Line	11	17	1
94–6623	Frame Assembly	2	16	1
94–6624	Control Panel – Top	5	2	1
94–6625	Control Panel – Base	5	1	1
94–6626	Drive Shield Assembly	7	15	1
94–6627	Solenoid	35	8	1
94–6628	Bracket – Solenoid	35	9	1
94–6629	Joint – Ball	35	6	1
94–6630	Rod – Choke	35	11	1
94–6631	Clip – Lock	35	12	1
94–6632	Bracket – Assembly, Choke	35	14	1
94–6633	Screw – HH	34	3	1
94–6634	Screw – HH	34	12	1
94–6635	Screw – HWH	34	4	2
94–6636	Pin – Cotter	34	15	1
94–6637	Grommet – Fuel Line	34	1	1
94–6638	Solenoid – Governor	34	7	1
94–6639	Cable	34	11	1
94–6640	Swivel – Choke Lever	34	13	1
94–6641	Bracket – Solenoid Mount	34	8	1
94–6642	Bracket – Governor	34	17	1
94–6643	Bushing – Governor Control	34	16	1
94–6644	Bracket – Fuel Line	34	2	1
94–6645	Stud – Adjusting	33	8	1
94–6646	Bracket – Governor, Adjust	33	7	1
94–6647	Nut – Governor, Acorn	33	5	1
94–6648	Nut – Hex. Governor	33	6	1
95–2550	Bracket – Tank, Long	11	6	1
95–2551	Bracket – Tank, Short	11	7	1
95–2552	Strip – Felt	11	33	6
95–2553	Decal – Filter	11	35	1
95–2554	Decal – Warning	2	31	2
95–2558	Plate – Adjust, Pump	19	5	1
95–2563	Bracket – Angle	2	21	4
95–2564	Flap – Side	2	32	1
95–2565	Flap – Front	2	33	1
95–2566	Plate – Tank Support	11	39	1
95–2569	Valve – Relief	19	2	1
95–2570	Hose	19	20	1
218–446	Washer – Lock	5	15	1
218–447	Nut – Hex.	5	16	1
218–473	Boot – Toggle Switch	5	17	1
218–578	Fuse – 10 Amp	3	17	1
218–594	Fuse – 20 Amp	3	21	1
237–25	Seal – O–Ring	17	7	2
237–25	Seal – O–Ring	9	21	1
237–42	Seal – O–Ring	9	31	1
237–78	Seal – O–Ring	9	33	1
237–79	Seal – O–Ring	17	4	1
237–79	Seal – O–Ring	9	8	3
237–81	Seal – O–Ring	9	29	1
237–170	Seal – O–Ring	18	15	3
237–171	Seal – Cover	9	4	1
237–172	Seal – O–Ring	9	15	1
237–173	Seal – O–Ring	15	36	1
237–178	Seal – O–Ring	15	24	1
240–14	Bumper	7	8	2
240–14	Bumper	6	10	1
2412–36	Clamp – Hose	19	25	1
2412–36	Clamp – Hose	11	37	1
2412–41	Clamp – R	12	49	2
2412–108	Clamp – Hose	6	29	1
2412–108	Clamp – Hose	11	31	1
2412–108	Clamp – Hose	12	46	1
2412–129	Clamp – Hose	19	15	6
2412–129	Clamp – Hose	11	27	3
2412–133	Clamp – R	11	26	2
253–148	Seal – Input Shaft	9	34	1
253–168	Seal – Oil	15	20	1
254–61	Cup – Bearing	9	10	3
254–62	Cone – Bearing	9	11	3
254–67	Cup – Bearing	9	14	1
254–68	Cone – Bearing	9	13	1
255–12	Ball – Check	12	33	11
255–13	Ball – Steel	15	38	1
256–315	Bushing – Sleeve	15	17	1
281–2	Plug – Hex. Hd.	25	5	1
2811–7	Fitting – Breather 90˚	9	35	1
2812–9	Bushing – Pipe	11	28	1
302–5	Fitting – Grease, Straight	2	1	2
304–101	Fitting – Barb	18	17	1
304–101	Fitting – Barb	15	32	1
321–3	Screw – Cap Hex. Hd.	31	1	2
321–3	Screw – HH	3	10	4
321–3	Screw – HH	5	23	1
321–3	Screw – HH	19	26	4
321–3	Screw – HH	2	29	3
321–3	Screw – HH	7	42	1
321–4	Screw – HH	19	16	2
321–4	Screw – HH	16	25	2
321–4	Screw – HH	2	25	24
321–6	Screw – Cap Hex. Hd.	21	49	2
321–11	Screw – Cap Hex. Hd.	21	31	2
321–28	Screw – HH	2	6	2
322–1	Screw – HH	6	1	2
322–2	Screw – HH	19	6	2
322–2	Screw – HH	12	48	2
322–3	Screw – Cap Hex. Hd.	17	10	16
322–4	Screw – Cap Hex. Hd.	9	9	8
322–4	Screw – HH	11	4	8
322–4	Screw – Hex. Hd.	6	14	4
322–5	Screw – Cap Hex. Hd.	26	4	2
322–5	Screw – HH	2	26	16
322–9	Screw – Cap Hex. Hd.	27	15	4
322–12	Screw – Cap Hex. Hd.	29	11	2
322–22	Screw – Mounting	36	11	2
323–2	Screw – Cap Hex. Hd.	17	17	1
323–2	Screw – HH	7	40	1
323–4	Screw – Cap Hex. Hd.	13	14	2
323–4	Screw – HH	2	8	8
323–5	Screw – Cap Hex. Hd.	9	18	8
323–5	Screw – Cap Hex. Hd.	12	22	12
323–6	Screw – Cap Hex. Hd.	12	5	4
323–6	Screw – HH	7	7	2
323–6	Screw – HH	6	8	2
323–6	Screw – HH	16	9	1
323–9	Screw – HH	6	32	1
323–10	Screw – HH	7	12	2
323–12	Screw – HH	16	4	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
323–13	Screw – Cap Hex. Hd.	12	40	7
323–14	Screw – Cap Hex. Hd.	29	8	4
323–17	Screw – Cap Hex. Hd.	12	12	4
323–19	Screw – HH	6	28	4
323–25	Screw – Cap Hex. Hd.	25	4	4
323–44	Screw – HH	7	29	2
323–46	Screw – HHF	7	19	2
323–52	Screw – Cap Hex. Hd.	9	25	4
324–26	Capscrew – HH	12	19	4
325–4	Screw – Cap Hex. Hd.	12	25	1
325–5	Screw – Cap Hex. Hd.	12	23	1
325–12	Screw – Cap Hex. Hd.	12	24	1
3210–8	Screw – HH	7	23	3
3210–14	Screw – HH	7	33	2
3211–38	Screw – HH	7	34	1
3213–7	Screw – HH	16	3	1
3217–5	Nut – Hex.	6	13	1
3217–5	Nut – Hex.	7	38	3
3217–29	Nut – Hex.	5	13	4
3219–14	Nut – Hex.	35	5	1
3219–28	Nut – Hex.	18	9	8
3220–1	Nut – Hex.	34	9	1
3220–23	Nut – Jam	15	22	1
3229–1	Bolt – Carriage	2	5	6
3229–1	Bolt – Carriage	1	10	6
3234–7	Screw – HH	3	2	4
3234–7	Screw – HH	6	18	4
3241–6	Screw – Set	19	17	1
3247–4	Screw – Set	22	63	4
3250–13	Screw – PPH	3	3	2
3250–35	Screw – PPH	5	11	4
3253–3	Washer – Spring Lock	6	12	1
3253–3	Washer – Spring Lock	7	39	3
3253–4	Washer – Lock	17	22	12
3253–4	Washer – Spring Lock	6	17	8
3253–21	Washer – Lock	12	42	4
3253–21	Washer – Spring Lock	6	9	2
3253–21	Washer – Spring Lock	16	21	1
3253–21	Washer – Spring Lock	7	37	1
3254–2	Washer – Lock Int. Tooth	19	7	2
3254–9	Washer – Lock, Int.	5	12	4
3255–9	Washer – Ext. Lock	6	27	1
3256–2	Washer – Flat	12	45	22
3256–14	Washer – Flat	34	14	1
3256–16	Washer – Flat	34	18	1
3256–22	Washer – Flat	1	7	6
3256–23	Washer – Flat	6	16	6
3256–24	Washer – Flat	7	28	10
3256–24	Washer – Flat	6	30	3
3256–26	Waher – Flat	16	20	2
3256–35	Washer – Flat	2	23	16
3256–42	Washer – Flat	11	30	2
3256–56	Washer – Flat	17	16	1
3256–58	Washer – Flat	2	24	24
3256–71	Washer – Flat	7	13	4
3269–28	Rivet – Pop	1	15	15
3269–32	Rivet – Pop	6	26	10
3274–10	Screw – HSH	6	37	4
3274–10	Screw – Socket Hd.	9	1	2
3274–54	Screw – HSH	11	18	2
3274–83	Screw – Socket Hd.	15	13	6
3290–378	Tie – Cable	19	18	2
3290–378	Tie – Cable	5	20	2
3290–378	Tie – Cable	7	46	1
3290–378	Tie – Cable	11	38	1
3290–470	Screw – Machine	1	12	2
3296–2	Nut – Lock	3	13	4
3296–6	Nut – Lock	8	4	3
3296–12	Nut – Lock	1	11	2
3296–19	Nut – Lock	16	14	2
3296–19	Nut – Lock	12	21	2
3296–20	Nut – Lock NI	7	36	2
3296–25	Rivet – Pop	1	1	4
3296–25	Rivet – Pop	2	17	4
3296–28	Nut – Lock NI	16	1	1
3296–29	Nut – Hex. Flange	11	5	8
3296–29	Nut – Hex. Lock	3	7	4
3296–29	Nut – Hex. Lock	2	22	16
3296–29	Nut – Hex. Lock	6	42	4
3296–29	Nut – Hex. Lock	12	50	2
3296–39	Nut – Hex. Lock	16	13	1
3296–39	Nut – Lock	9	26	4
3296–42	Nut – Hex. Lock	2	4	33
3296–42	Nut – Hex. Lock	1	6	8
3296–42	Nut – Hex. Lock	16	12	1
3296–42	Nut – Hex. Lock	3	12	4
3296–42	Nut – Hex. Lock	11	19	2
3296–42	Nut – Lock	34	5	2
3296–42	Nut – Lock	35	10	2
3296–42	Nut – Lock NI	5	24	1
3296–49	Nut – Lock NI	11	29	1
32105–5	Screw – HSH	3	9	2
32120–37	Ring – Retaining	15	21	1
32121–42	Pin – Roll	9	24	4
32121–48	Pin – Roll	15	12	1
32128–19	Nut – Hex. Lock	2	11	8
32128–21	Nut – Lock HFH	6	24	4
32128–33	Nut – Hex. Flange	19	9	2
32144–4	Screw – HH	2	2	4
32144–4	Screw – HWH	6	3	5
32144–10	Screw – HWH	35	7	4
32144–18	Screw – HWH	3	11	2
32144–41	Screw – HWH	11	3	4
32144–53	Screw – SHWH	7	45	1
32144–67	Screw – HWH	7	17	2
32148–9	Insert – Threaded	6	44	1
32151–65	Ring – Retaining	17	25	6
32151–99	Ring – Retaining	15	14	1
32152–1	Nut – Lock	6	5	2
32152–5	Nut – Lock	7	20	2
353–508	Plug	9	30	1
353–512	Plug	9	32	1
353–550	Fitting – Plug	9	7	2
353–550	Plug – Drain	17	26	1
354–82	Plug	12	1	1
354–82	Plug Assembly	18	5	1
354–92	Fitting – Reducer	12	10	1
354–93	Fitting – 90˚ Elbow	12	11	1
354–98	Adapter – Male	19	13	1
354–100	Fitting – 90˚	19	10	3
354–101	Fitting – 90˚	18	21	1
354–102	Fitting – Reducer	3	4	1
354–112	Fitting – Hydraulic	11	13	2
354–133	Guage – Tee	19	8	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 Hydroject 4000 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. In any correspondence concerning the Hydroject 4000, 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 Hydroject 4000.
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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MAINTENANCE RECORD

Date								