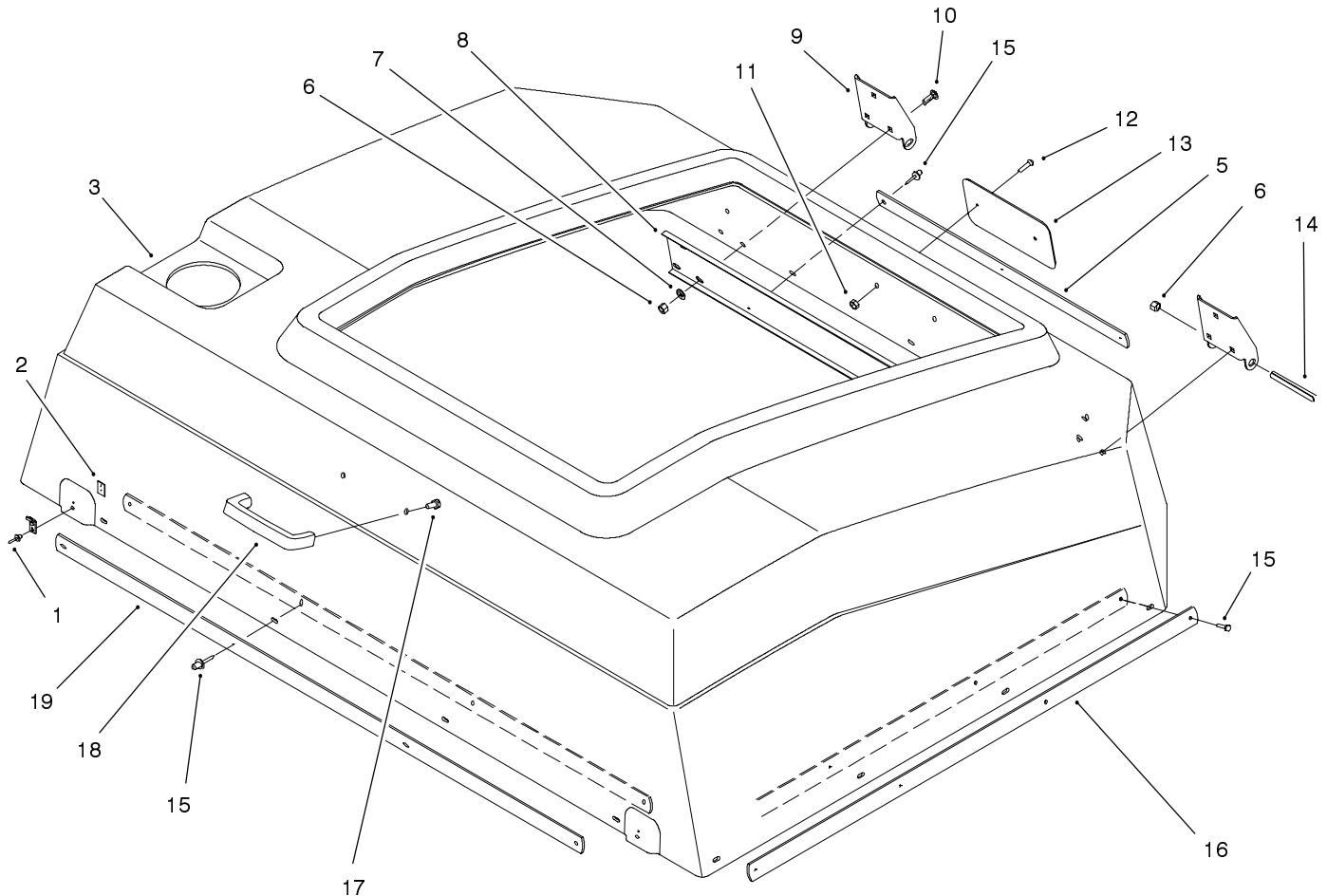




MODEL NO. 09850-70154 & UP

**PARTS
CATALOG**
HYDROJECT™ 4000


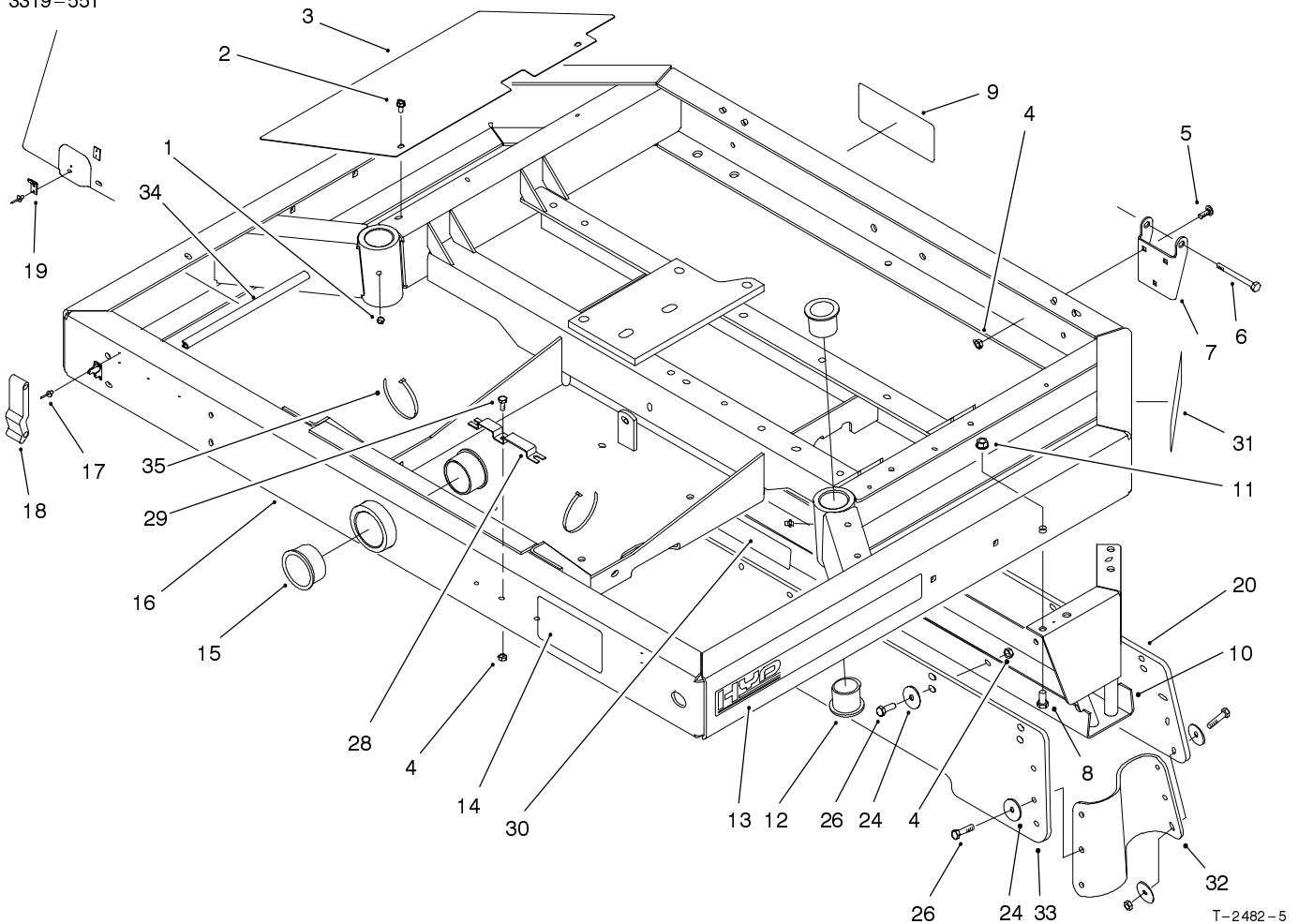
T-2471-2

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

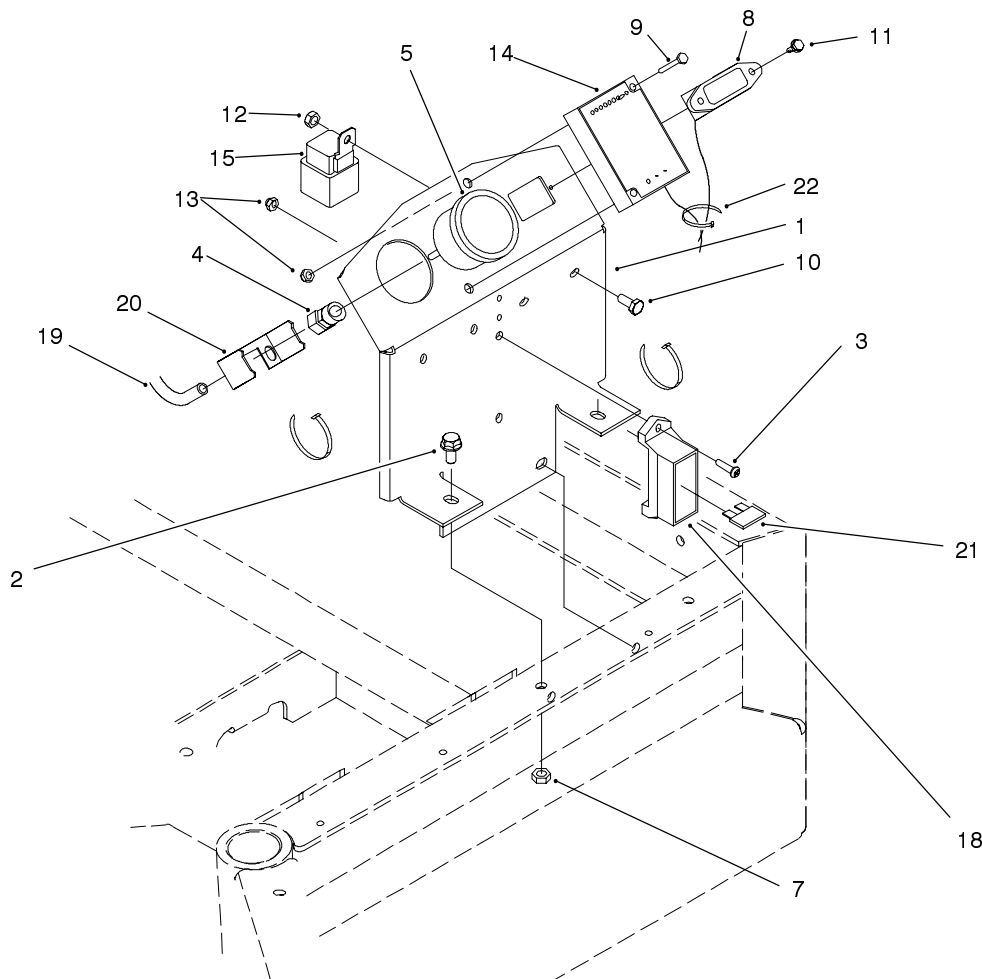
3319-551



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	34
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
24	3256-58	Washer - Flat	40
26	321-8	Screw - HH	38
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	95-5678	Flap - End	2
33	95-2565	Flap - Front	1
34	57-6040	Trim - Front Guard	1
35	3290-378	Tie - Cable (Fuel line to engine base)	2



T-2473-3

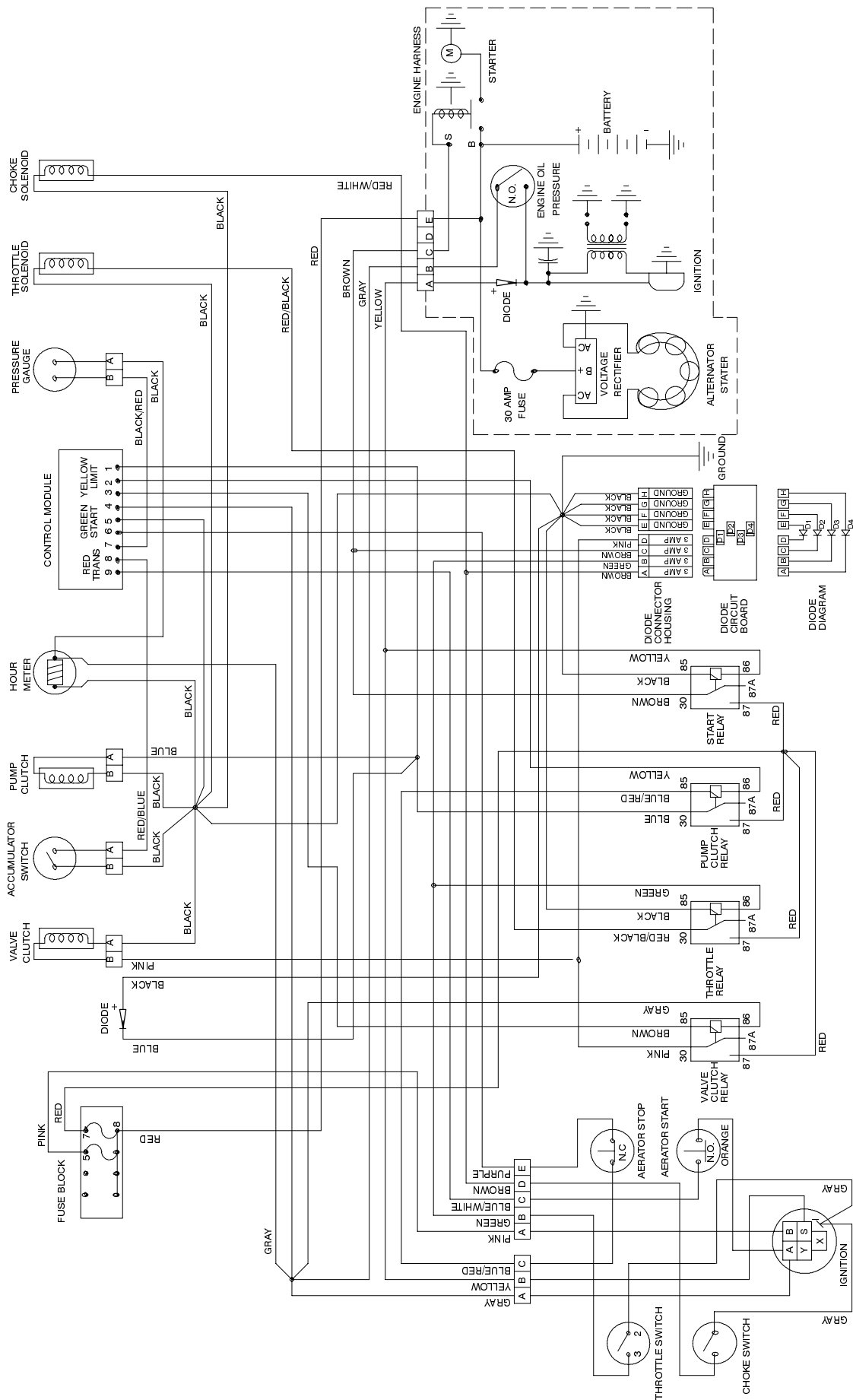
CONTROL PANEL ASSEMBLY

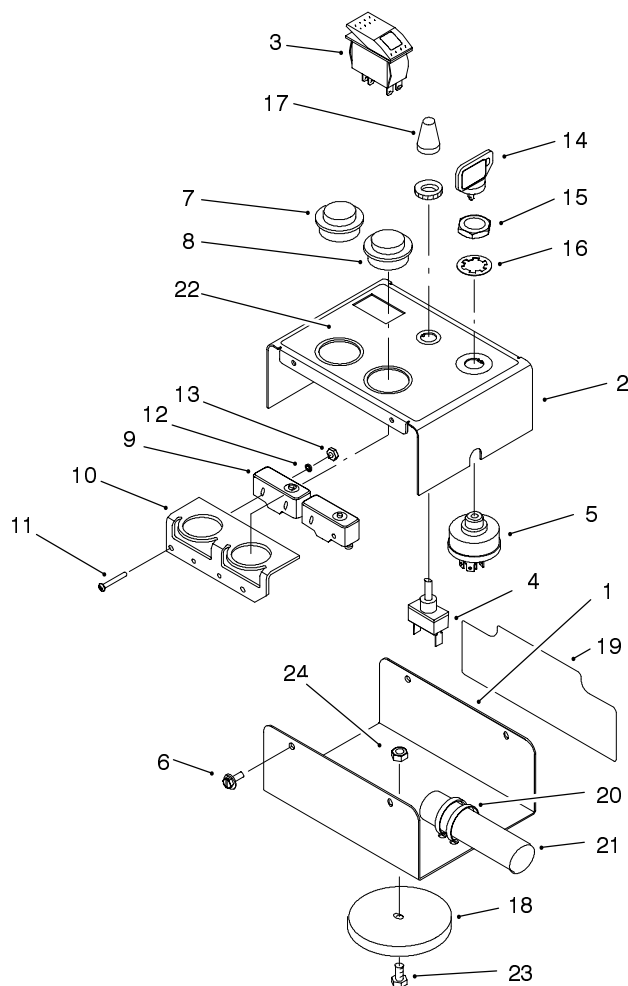
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-6478	Bracket - Relay Mount	1	14	86-9060	Control - Electric	1
2	3234-7	Screw - HH	4	15	70-1480	Relay	4
3	3250-13	Screw - PPH	2	17	218-578	Fuse - 10 Amp	1
4	354-102	Fitting - Reducer	1	†18		Fuse Block	1
5	80-5640	Gage - Pressure Switch (Incl. Ref. #20)	1	19	94-6555	Hose	1
7	3296-29	Nut - Hex. Lock	4	†20		Clamp - Gage	1
8	75-6820	Hour Meter	1	21	218-594	Fuse - 20 Amp	1
9	32105-5	Screw - HSH	2	22	3290-378	Tie - Cable (Harness to harness, diode module to harness, harness to control panel)	3
10	321-3	Screw - HH	4				
11	32144-18	Screw - HWH	2	*	92-3188	Diode - Circuit Board	1
12	3296-42	Nut - Hex. Lock	4				
13	3296-2	Nut - Lock	4				

*Not Illustrated

†Not serviced separately.

ELECTRICAL SCHEMATIC

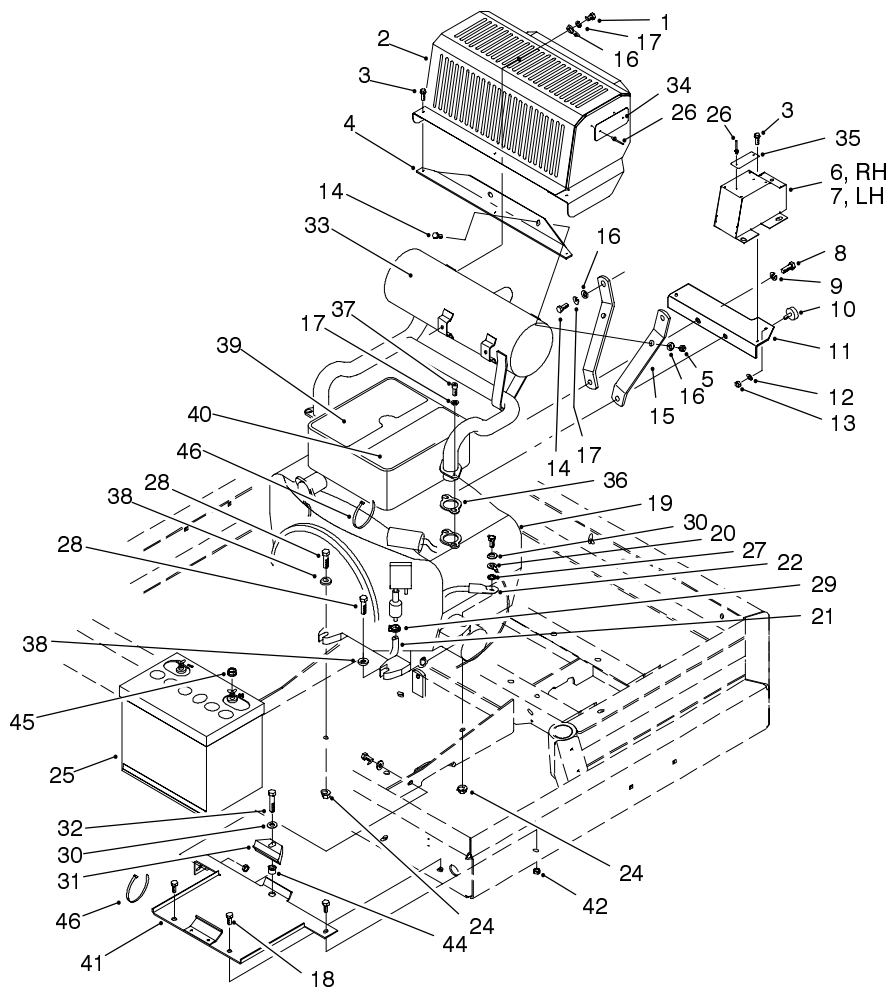




T-2479-2

CONTROL BOX ASSEMBLY

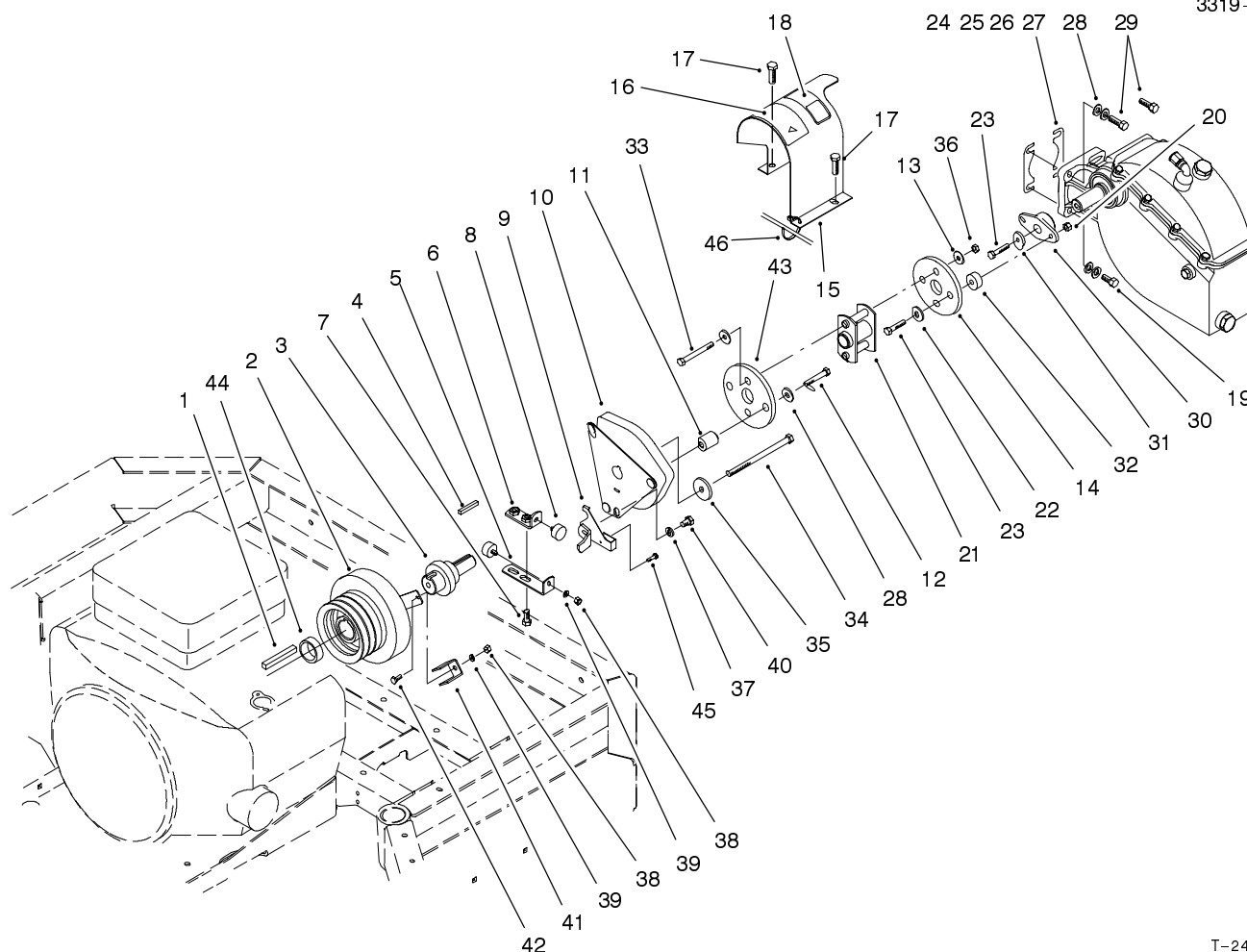
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	94-6625	Control Panel - Base (Incl. Ref. #19)	1	12	3254-9	Washer - Lock, Int.	4
2	94-6624	Control Panel - Top (Incl. Ref. #22)	1	13	3217-29	Nut - Hex.	4
3	93-5476	Switch	1	14	63-8360	Key - Ignition	1
4	20-7150	Switch - Toggle	1	15	218-446	Washer - Lock	1
5	27-2360	Switch - Ignition (Incl. Ref. #15 & 16)	1	16	218-447	Nut - Hex.	1
6	12-5450	Screw - Thread Form	4	17	218-473	Boot - Toggle Switch	1
7	80-9290	Button - Push (Green)	1	18	92-0256	Magnet - 90#	1
8	80-9300	Button - Push (Red)	1	19	94-6550	Decal - Control Box	1
9	80-9280	Switch Assembly	2	20	3290-378	Tie - Cable	2
10	80-9270	Bracket - Switch	1	21	94-6492	Wire Harness - Front	1
11	3250-35	Screw - PPH	4	22	94-6552	Decal - Control Box	1
				23	321-3	Screw - HH	1
				24	3296-42	Nut - Lock NI	1



T-2472-2

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-1	Screw - HH	2	22	86-8470	Cable - Battery, Negative	1
2	14-5229	Muffler Shield Assembly (Incl. Ref. #26 & 34)	1	23	71-5960	Filter - Fuel	1
3	32144-4	Screw - HWH	5	24	32128-21	Nut - Lock HFH	4
4	80-9150	Support - Muffler Shield	1	25	80-6791	Battery	1
5	32152-1	Nut - Lock	2	26	3269-32	Rivet - Pop	10
6	14-5249	Cover - Exhaust, Right (Incl. Ref. #26 & 35)	1	27	3255-9	Washer - Ext. Lock	1
7	14-5239	Cover - Exhaust, Left (Incl. Ref. #26 & 35)	1	28	323-19	Screw - HH	4
8	323-6	Screw - HH	2	29	2412-108	Clamp - Hose	1
9	3253-21	Washer - Spring Lock	2	30	3256-24	Washer - Flat	3
10	240-14	Bumper	1	31	66-2490	Retainer - Battery	1
11	80-7700	Bracket - Support	1	32	323-9	Screw - HH	1
12	3253-3	Washer - Spring Lock	1	33	80-5650	Muffler - Exhaust	1
13	3217-5	Nut - Hex.	1	34	80-8290	Plate - Hot Surface	3
14	322-4	Screw - Hex. Hd.	4	35	80-9350	Plate - Hot Surface	2
15	80-7680	Support - Muffler	2	36	82-1520	Gasket - Exhaust, Twin	2
16	3256-23	Washer - Flat	6	37	3274-10	Screw - HSH	4
17	3253-4	Washer - Spring Lock	8	38	52-5980	Spacer	2
18	3234-7	Screw - HH	4	39	94-6513	Decal - Service	1
19	94-6510	Engine (Incl. Ref. #23)	1	40	94-6512	Decal - Quick Reference	1
20	94-6491	Wire Harness - Main (Incl. Ref. #17-18 & 21)	1	41	94-6514	Battery Base	1
21	94-6616	Hose - Fuel	1	42	3296-29	Nut - Hex. Lock	4
				44	32148-9	Insert - Threaded	1
				45	94-6502	Cable - Battery, Positive	1
				46	3290-378	Tie - Cable (Harness to battery base & harness to fuel line)	2

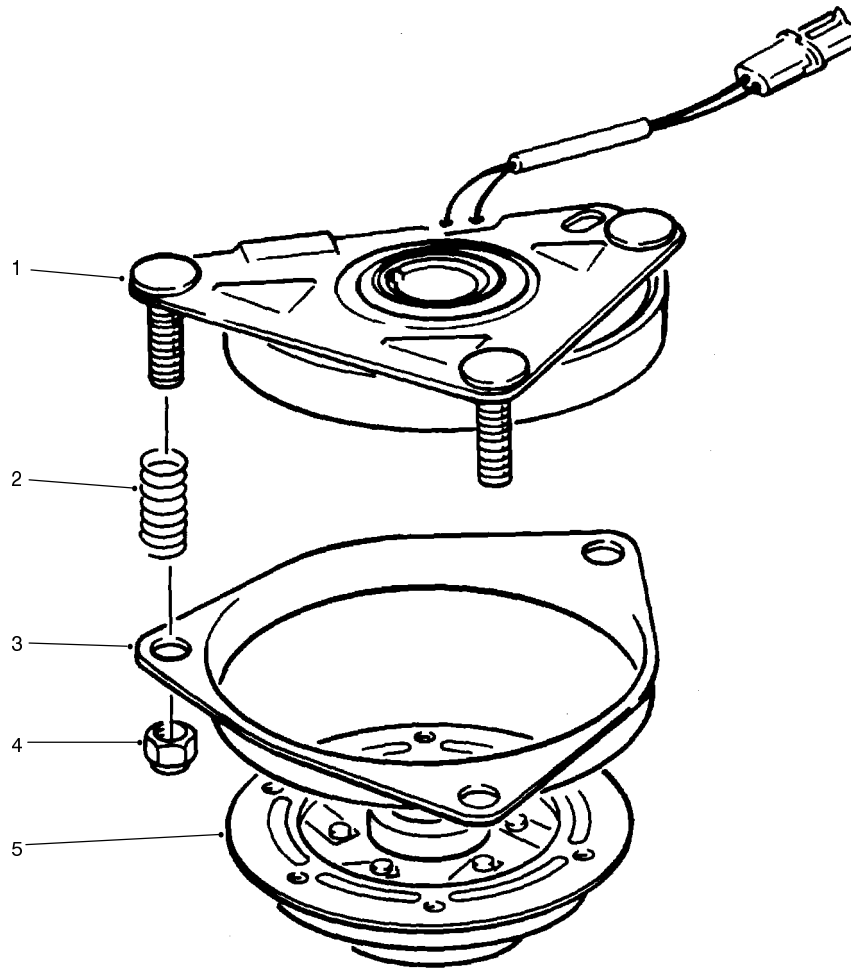


T-2474-2

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
24	80-7050	Shim - Gearbox .002 Red	A/R

Ref. No.	Part No.	Description	No. Used
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 (Hose to harness)	1

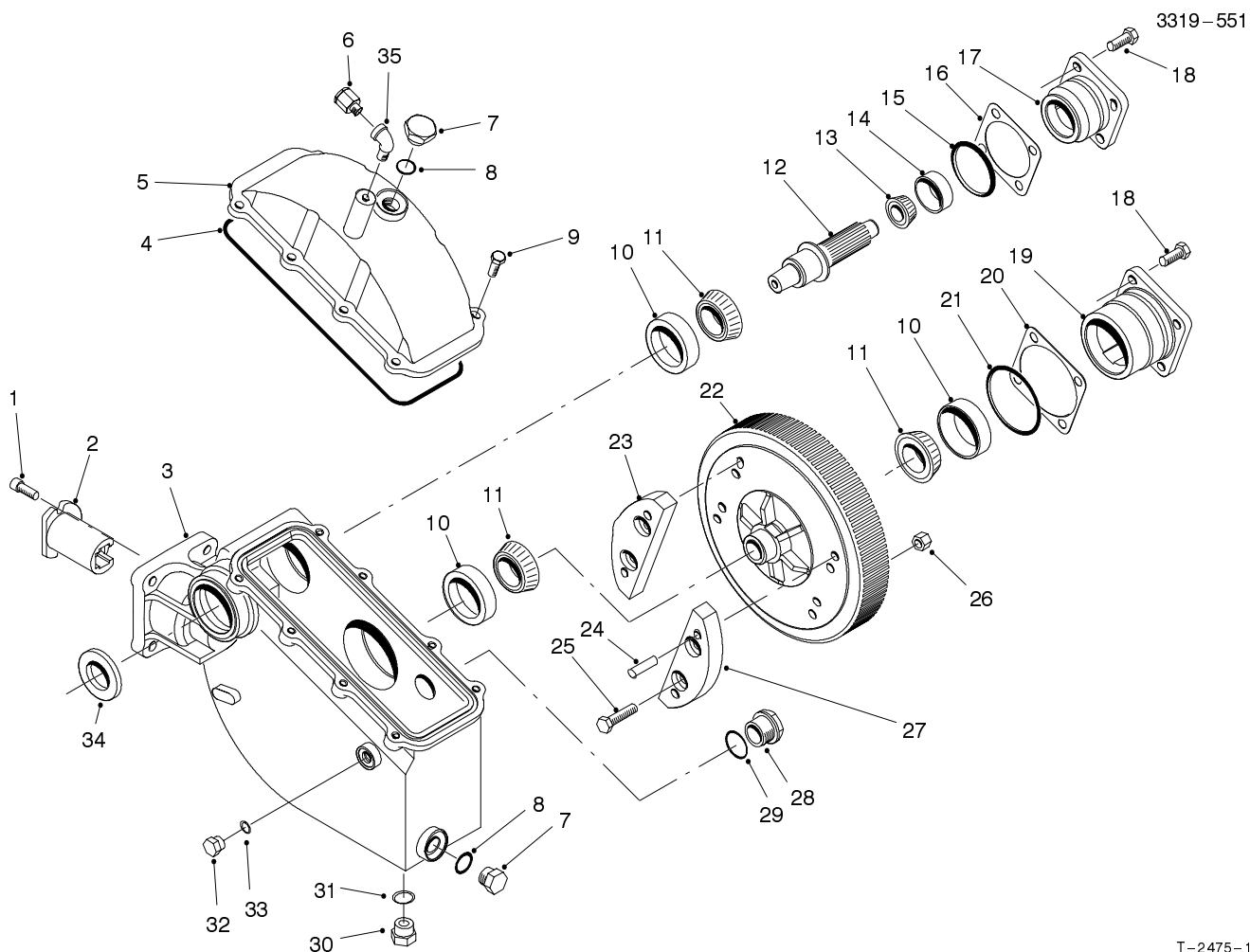


T-1274-1

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

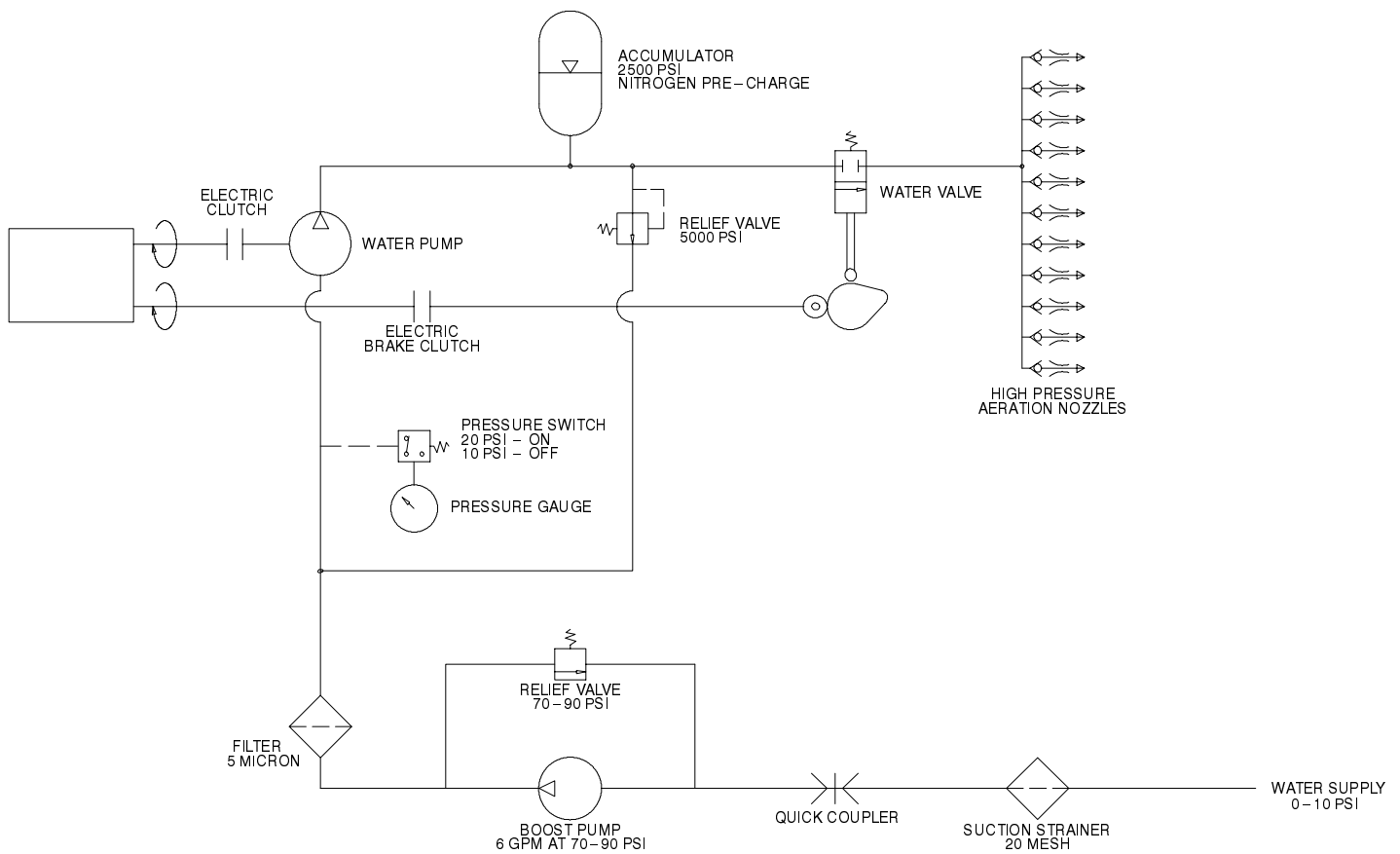


T-2475-1

GEARBOX ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-10	Screw - Socket Hd.	2	19	80-5300	Housing - Bearing	1
2	80-5330	Sleeve - Follower	1	20	80-7040	Shim - Gear/Cam Bearing .002" Red	1
3	80-5240	Housing - Gear Box	1	*	80-7041	Shim - Gear/Cam Bearing .005" Blue	1
4	237-171	Seal - Cover	1	*	80-7042	Shim - Gear/Cam Bearing .015" Pink	1
5	80-5260	Cover - Gear Box	1	*	80-7043	Shim - Gear/Cam Bearing .020" Yellow	1
6	80-7020	Fitting - Breather	1	21	237-25	Seal - O-Ring	1
7	353-550	Fitting - Plug (Incl. Ref. #8)	2	22	80-5280	Gear	1
8	237-79	Seal - O-Ring	3	23	80-8500	Cam	1
9	322-4	Screw - Cap Hex. Hd.	8	24	32121-42	Pin - Roll	4
10	254-61	Cup - Bearing	3	25	323-52	Screw - Cap Hex. Hd.	4
11	254-62	Cone - Bearing	3	26	3296-39	Nut - Lock	4
12	80-8340	Shaft - Pinion	1	27	80-8510	Block - Weight	1
13	254-68	Cone - Bearing	1	28	69-1170	Glass - Sight (Incl. Ref. #29)	1
14	254-67	Cup - Bearing	1	29	237-81	Seal - O-Ring	1
15	237-172	Seal - O-Ring	1	30	353-508	Plug (Incl. Ref. #31)	1
16	80-7030	Shim - Pinion Bearing .002" Red	1	31	237-42	Seal - O-Ring	1
*	80-7031	Shim - Pinion Bearing .005" Blue	1	32	353-512	Plug (Incl. Ref. #33)	1
*	80-7032	Shim - Pinion Bearing .015" Pink	1	33	237-78	Seal - O-Ring	1
*	80-7033	Shim - Pinion Bearing .020" Yellow	1	34	253-148	Seal - Input Shaft	1
17	80-5320	Housing - Pinion Bearing	1	35	2811-7	Fitting - Breather 90°	1
18	323-5	Screw - Cap Hex. Hd.	8				

*Not Illustrated

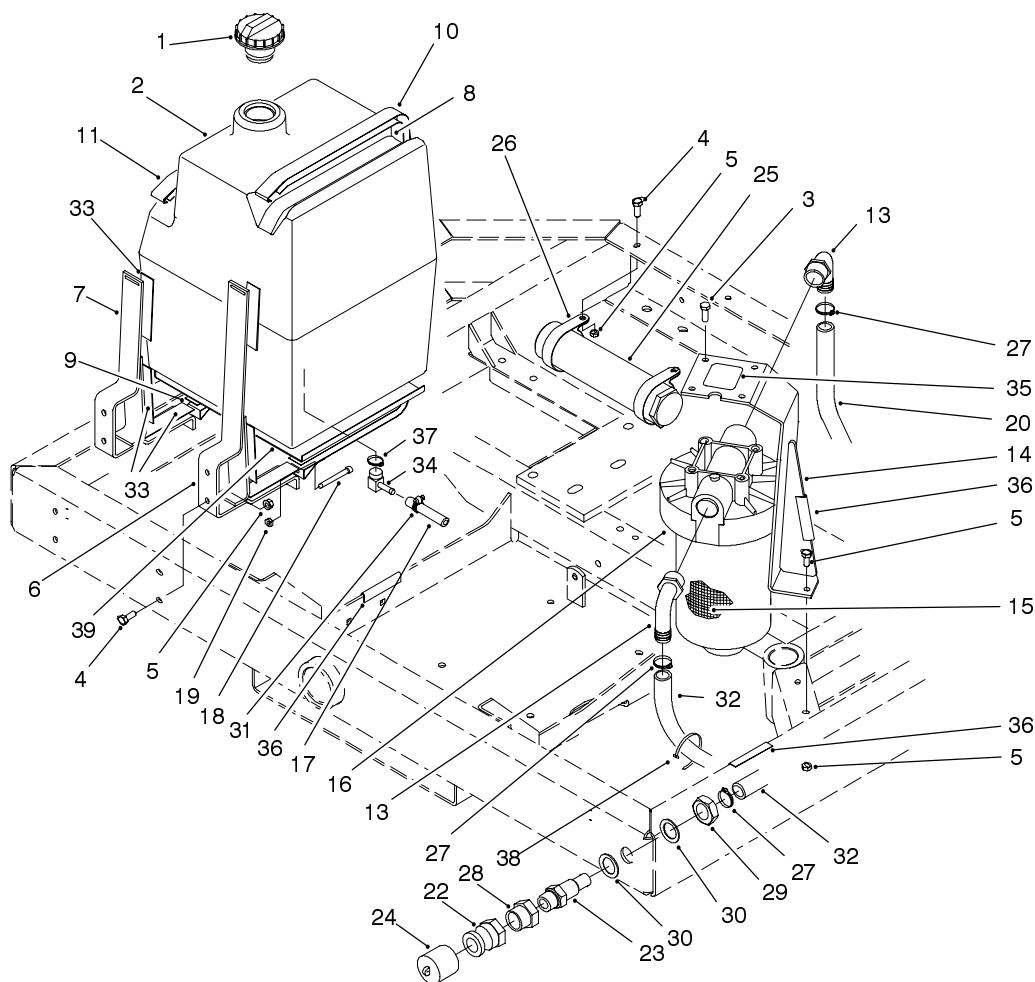


T-2497-2

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

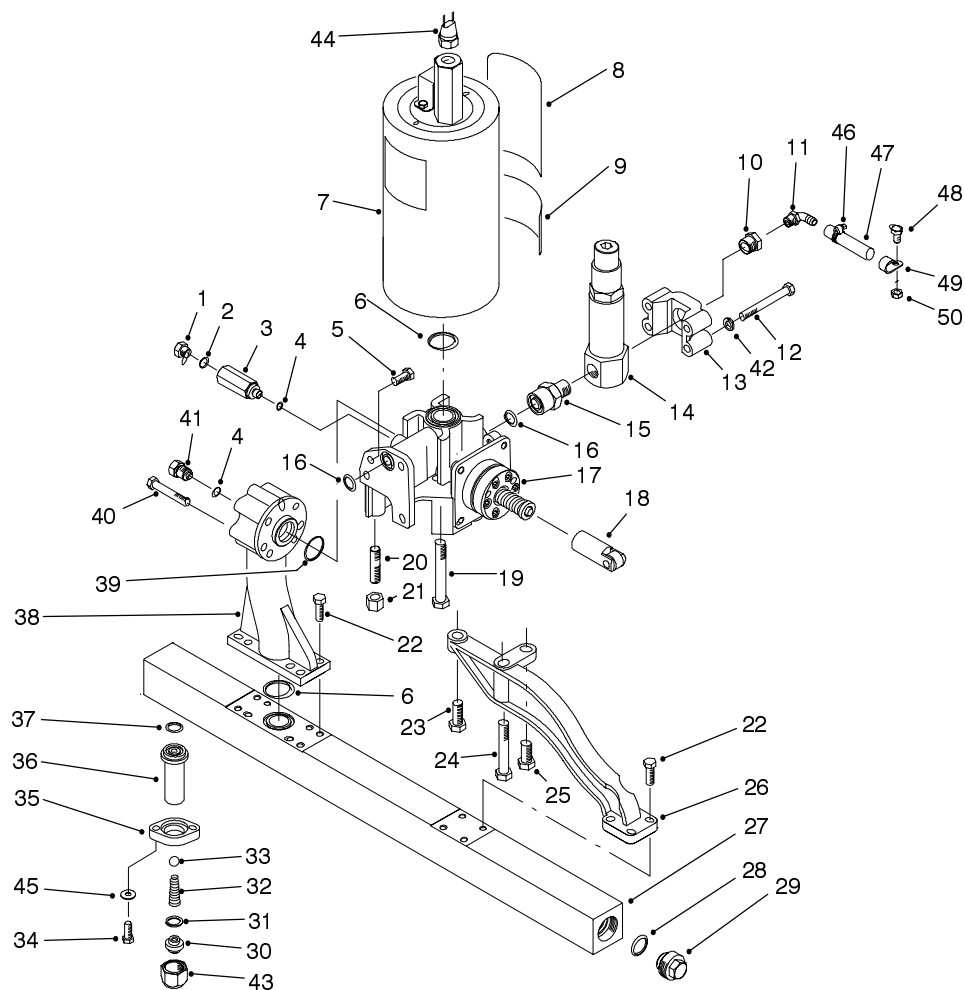


T-2476-3

FUEL TANK & WATER INLET ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	93-3101	Cap - Gas	1	22	41316	Coupler - Male	1
2	94-6453	Tank - Fuel (Incl. Ref. #34 & 37)	1	23	80-9500	Adapter - Bulkhead	1
3	32144-41	Screw - HWH	4	24	41318	Cap - Dust	1
4	322-4	Screw - HH	8	25	74-0720	Tube - Manual	1
5	3296-29	Nut - Hex. Flange	8	26	2412-133	Clamp - R	2
6	95-2550	Bracket - Tank, Long	1	27	2412-129	Clamp - Hose	3
7	95-2551	Bracket - Tank, Short	1	28	2812-9	Bushing - Pipe	1
8	94-6521	Felt Strip - Strap, Long	1	29	3296-49	Nut - Lock NI	1
9	94-6522	Felt Strip - Strap, Short	1	30	3256-42	Washer - Flat	2
10	94-6519	Strap - Tank, Long	1	31	2412-108	Clamp - Hose	1
11	94-6520	Strap - Tank, Short	1	32	94-6553	Hose	2
13	354-112	Fitting - Hydraulic	2	33	95-2552	Strip - Felt	6
14	94-6493	Bracket - Filter	1	34	43-4190	Fitting	1
15	86-8620	Filter - Water	1	35	95-2553	Decal - Filter	1
16	80-8600	Housing - Filter	1	36	43-4300	Trim - Rear Frame	3
17	94-6616	Hose - Fuel Line	1	37	2412-36	Clamp - Hose	1
18	3274-54	Screw - HSH	2	38	3290-378	Tie - Cable (Hose to hose)	1
19	3296-42	Nut - Hex. Lock	2	39	95-2566	Plate - Tank Support	1
20	94-6613	Hose	1	*	80-9510	Wrench	1

*Not Illustrated



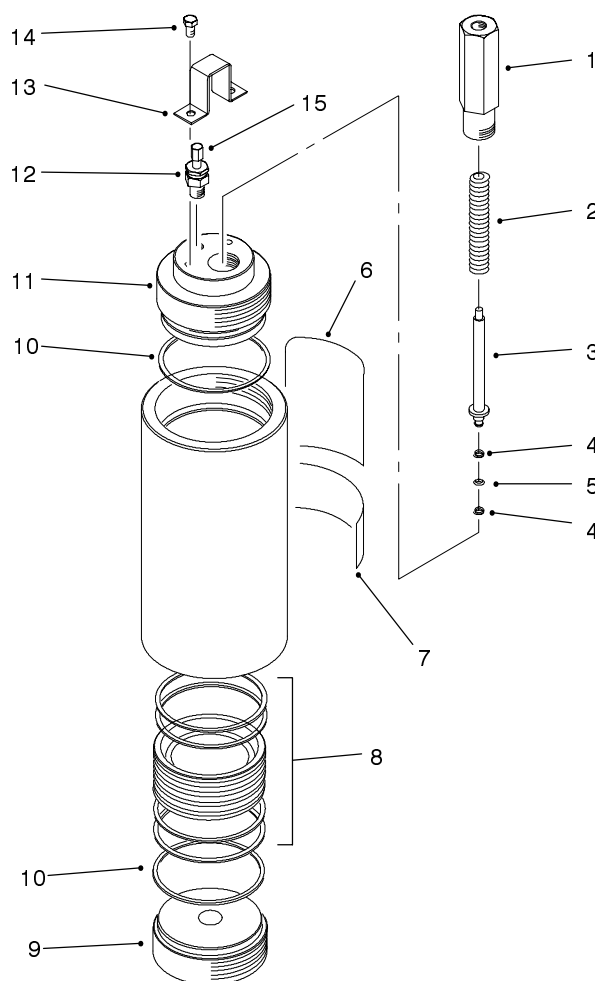
T-2494-1

WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	354-82	Plug	1	26	80-5080	Support - Manifold	1
2	80-5794	Seal - O-Ring	1	27	94-6455	Manifold	1
3	80-9980	Fitting - Extension	1	28	80-5791	Seal - O-Ring	2
4	80-5793	Seal - O-Ring	2	29	80-8220	Plug	2
5	323-6	Screw - Cap Hex. Hd.	4	30	86-8131	Nozzle (#53) (Std.)	11
6	80-5784	O-Ring	2	*†	86-8133	Nozzle (#46) (Opt.)	6
7	93-1667	Accumulator Assembly (Incl. Ref. #6, 8, 9, & 19)	1	*†	86-8130	Nozzle (#56) (Opt.)	6
8	80-8030	Decal - Danger	2	31	86-8150	Washer	11
9	80-8880	Decal - Warning	2	32	80-9710	Spring - Conical	11
10	354-92	Fitting - Reducer	1	33	255-12	Ball - Check	11
11	354-93	Fitting - 90° Elbow	1	34	86-8610	Screw - Hex. Flange Hd.	22
12	323-17	Screw - Cap Hex. Hd.	4	35	80-9800	Flange - Nozzle	11
13	80-9890	Clamp - Valve	1	36	86-8110	Extension - Nozzle	11
14	80-7070	Relief Valve Assembly	1	37	80-5786	Seal - O-Ring	11
15	80-9900	Fitting - Valve	1	38	80-8210	Feeder - Manifold	1
16	80-5782	Seal - O-Ring	2	39	80-5780	Seal - O-Ring	1
17	14-7449	Valve Assembly (Incl. Ref. #20)	1	40	323-13	Screw - Cap Hex. Hd.	7
18	80-5580	Follower - Cam	1	41	80-8230	Plug	1
19	324-26	Capscrew - HH	4	42	3253-21	Washer - Lock	4
20	80-8680	Stud	2	43	86-8140	Retainer - Nozzle	11
21	3296-19	Nut - Lock	2	44	72-4320	Switch - Ball	1
22	323-5	Screw - Cap Hex. Hd.	12	45	3256-2	Washer - Flat	22
23	325-5	Screw - Cap Hex. Hd.	1	46	2412-36	Clamp - Hose	1
24	325-12	Screw - Cap Hex. Hd.	1	47	94-6614	Hose	1
25	325-4	Screw - Cap Hex. Hd.	1	48	322-2	Screw - HH	2
				49	2412-4	Clamp - R	2
				50	3296-29	Nut - Hex. Lock	2

*Not Illustrated

†Refer to Product Operators Manual

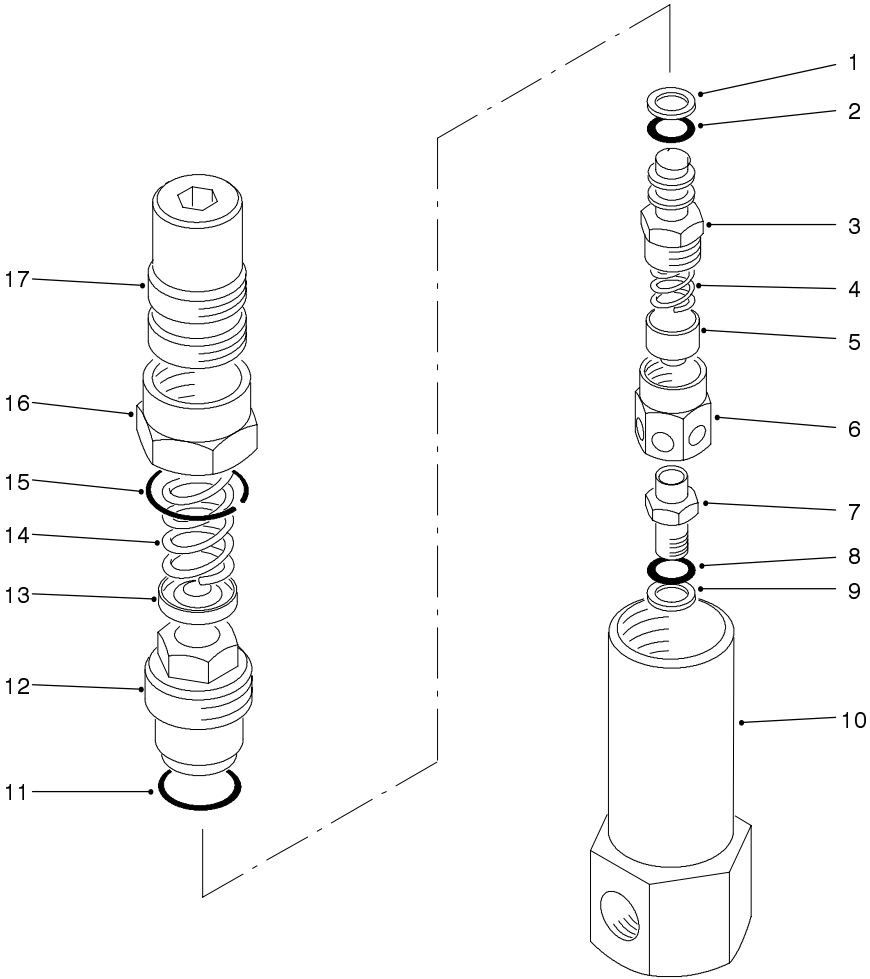


T-2040-1

ACCUMULATOR ASSEMBLY NO. 93-1667

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-9531	Retainer - Plunger	1	9	80-9040	Cap - End	1
2	92-9532	Spring - Compression	1	10	80-8990	Ring - Backup	2
3	92-9530	Plunger - Switch	1	11	93-1674	Cap - End	1
4	92-9536	Ring - Backup	2	12	80-9000	Valve - Accumulator	1
5	92-9535	Seal - O-Ring	1	13	80-9020	Guard - Valve	1
6	80-8030	Decal - Danger	2	14	323-4	Screw - Cap Hex. Hd.	2
7	80-8880	Decal - Warning	2	15	80-8970	Cap - Valve	1
8	80-8980	Piston Assembly	1				

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



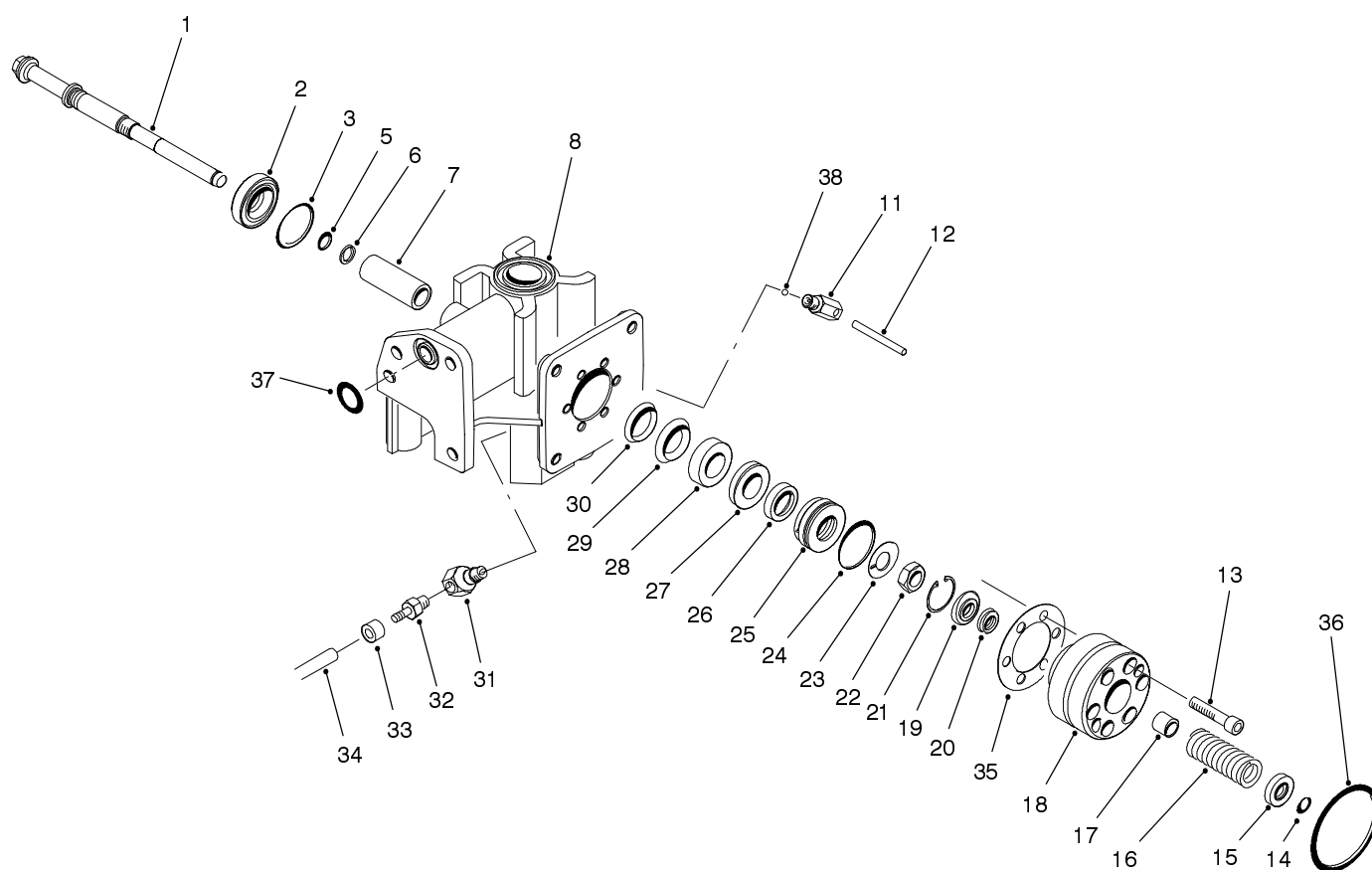
T-1918-1

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

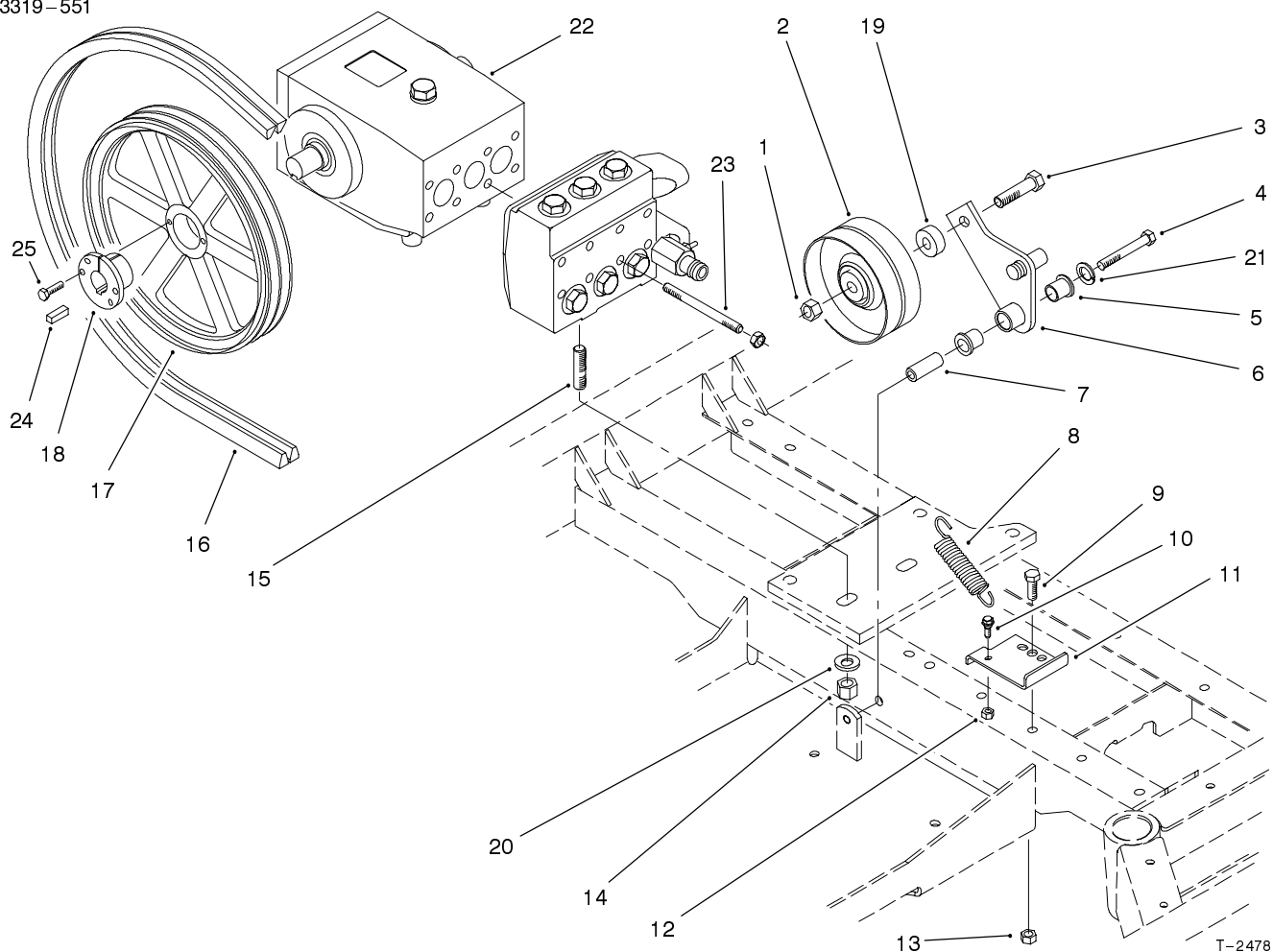
*Not Illustrated



T-1206-1

WATER VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-5600	Spool - Valve	1	23	86-8320	Washer - Slotted	1
2	86-9070	Seat - Valve	1	24	237-178	Seal - O-Ring	1
3	80-5780	Seal - O-Ring	1	25	80-9220	Retainer - Seal	1
5	80-8460	Seal - O-Ring	1	26	80-5760	Seal - U-Cup	1
6	80-8470	Ring - Support	1	27	80-9390	Guide - Valve	1
7	86-8310	Sleeve - Plunger	1	28	80-5751	Support - Seal/Plunger	1
8	14-7449	Body - Valve	1	29	80-5740	Seal - Packing	1
11	80-9750	Valve - Bleed	1	30	80-5730	Ring - Head Back-Up	1
12	32121-48	Pin - Roll	1	31	80-9410	Fitting - Adapter	1
13	3274-83	Screw - Socket Hd.	6	32	304-101	Fitting - Barb	1
14	32151-99	Ring - Retaining	1	33	80-9480	Tube - Retainer	1
15	80-5570	Retainer - Valve Spring	1	34	80-6521	Hose - Gage	1
16	80-5770	Spring - Compression	1	35	80-9560	Gasket - Pilot	1
17	256-315	Bushing - Sleeve	1	36	237-173	Seal - O-Ring	1
18	80-5590	Pilot - Gear Box	1	37	80-5782	Seal - O-Ring	1
19	80-9200	Seal - Back-Up	1	38	255-13	Ball - Steel	1
20	253-168	Seal - Oil	1	*	80-9660	Kit - Rebuild (Incl. Ref. #3-7, 14, 17, 20, 22-24, 26-30, 35-37)	1
21	32120-37	Ring - Retaining	1				
22	3220-23	Nut - Jam	1				

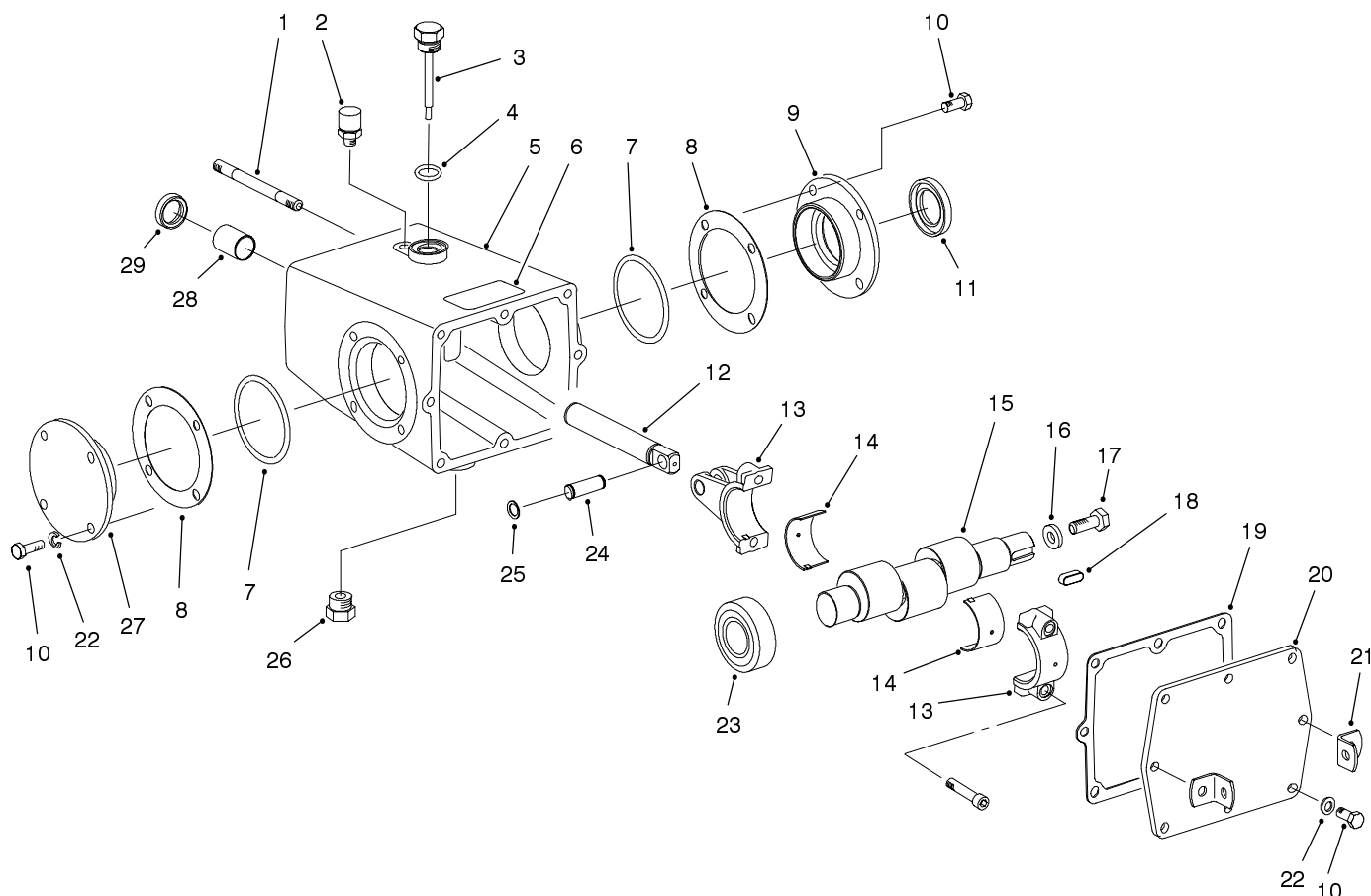


T-2478-1

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

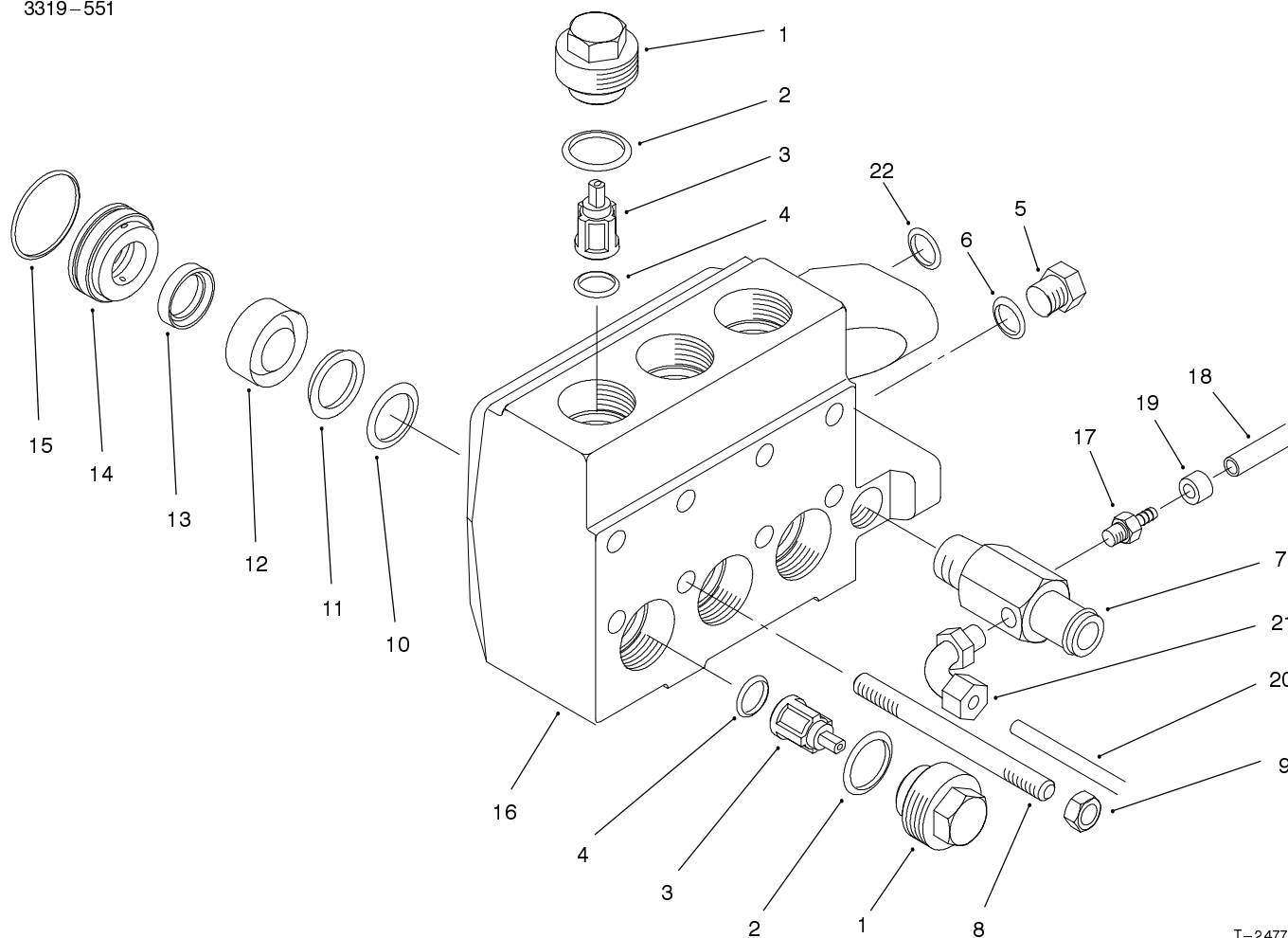


T-1917-2

WATER PUMP CRANKCASE ASSEMBLY NO. 86-8900

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-8830	Stud - Head	8	14	86-8840	Bearing Set - Split	3
2	80-7020	Vent - Filter	1	15	86-8360	Crankshaft	1
3	86-8860	Dipstick	1	16	3256-56	Washer - Flat	1
4	237-79	Seal - O-Ring	1	17	323-2	Screw - Cap Hex. Hd.	1
5	86-8810	Crankcase	1	18	86-8790	Key	1
6	80-9450	Decal - Pump	1	19	86-8730	Gasket	1
6	93-9360	Decal - Pump (Europe)	1	20	86-8850	Cover - Crankcase	1
7	237-25	Seal - O-Ring	2	21	92-9547	Bracket - Angle	2
8	86-8720	Shim - .002" Red	A/R	22	3253-4	Washer - Lock	12
*	86-8721	Shim - .005" Blue	A/R	23	86-8780	Bearing - Tapered	2
*	86-8722	Shim - .015" Pink	A/R	24	86-8740	Pin - Connecting Rod	3
*	86-8723	Shim - .020" Yellow	A/R	25	32151-65	Ring - Retaining	6
9	86-8580	Flange - Crankcase	1	26	353-550	Plug - Drain	1
10	322-3	Screw - Cap Hex. Hd.	16	27	86-8570	Flange - Crankcase	1
11	86-8760	Seal	1	28	86-8750	Guide - Plunger	3
12	86-8820	Rod - Plunger	3	29	86-8770	Seal	3
13	86-8380	Rod - Connecting	3				

*Not Illustrated



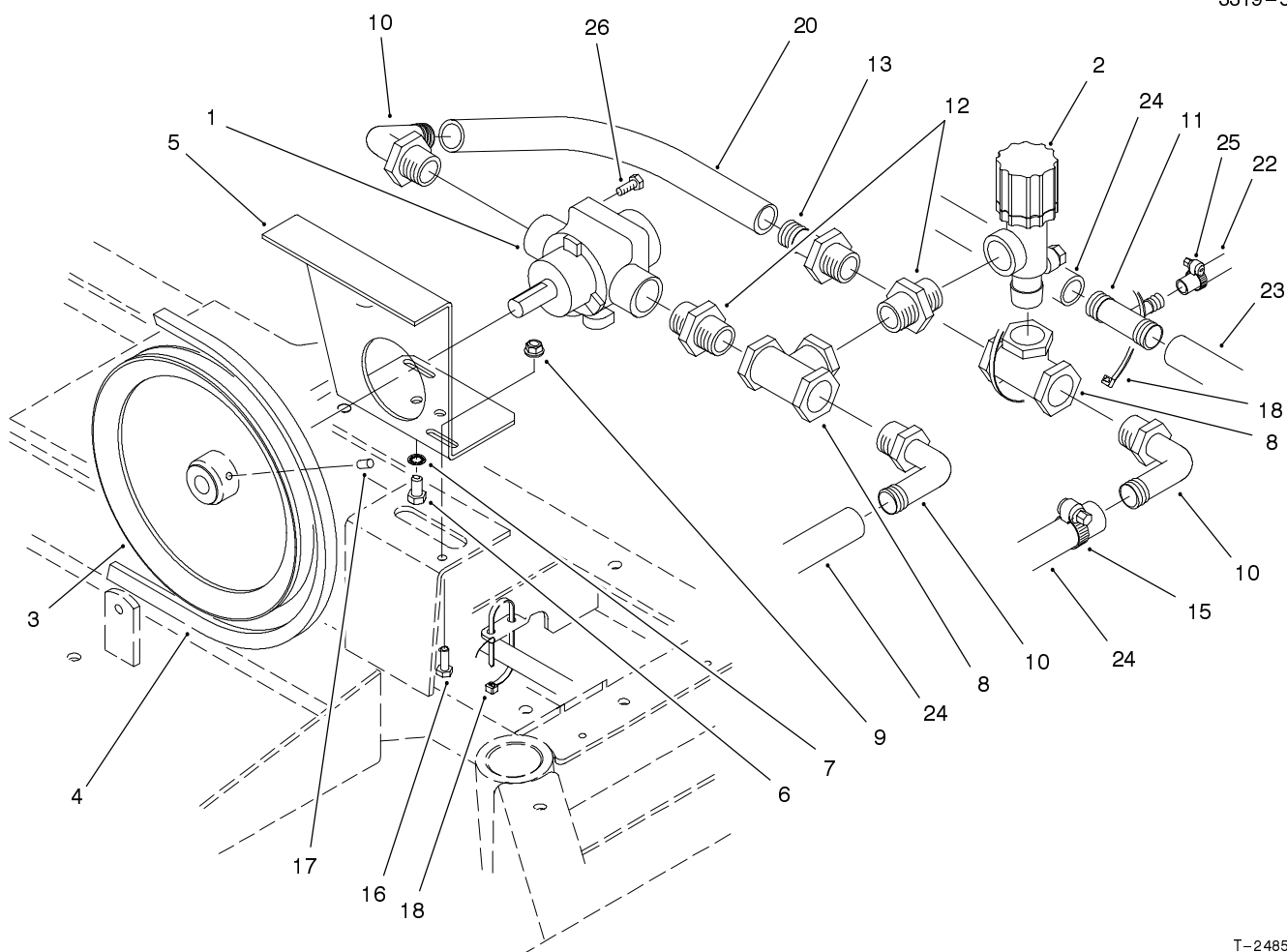
T-2477-1

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



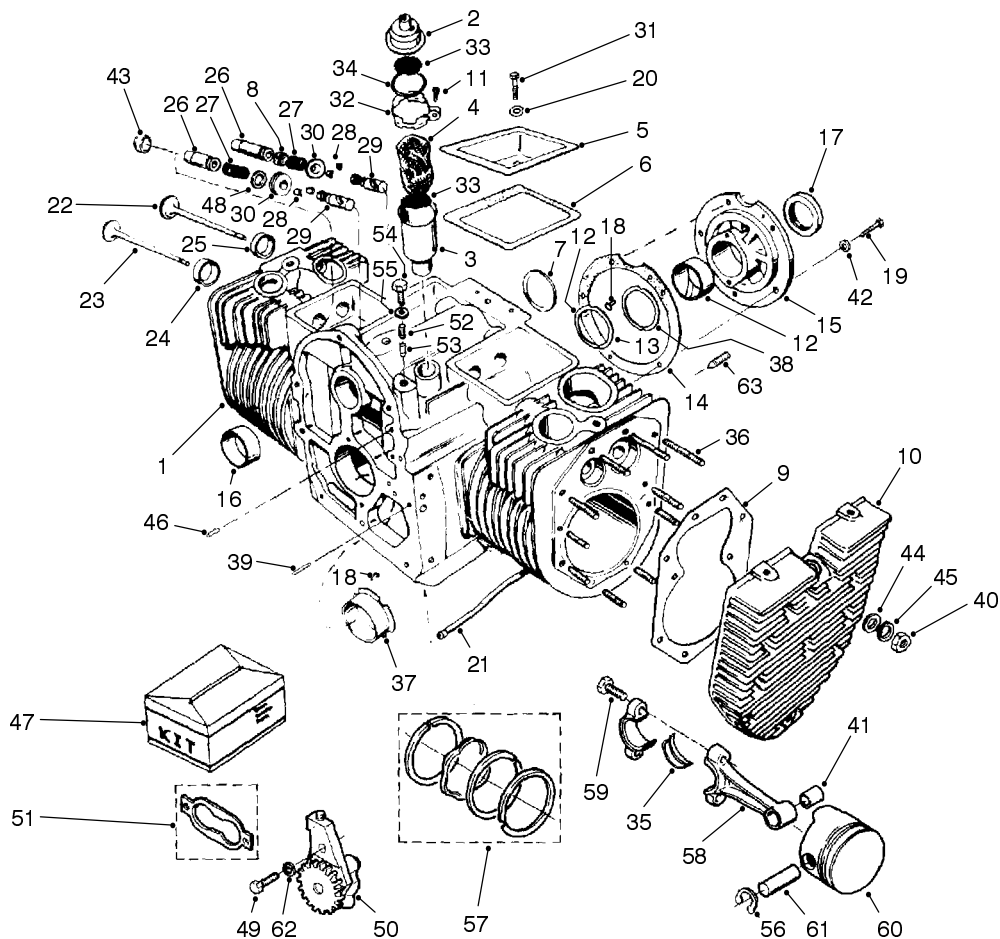
T-2485-2

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
13	354-98	Adapter – Male	1

Ref. No.	Part No.	Description	No. Used
15	2412-129	Clamp – Hose	6
16	321-4	Screw – HH	2
17	3241-6	Screw – Set	1
18	3290-378	Tie – Cable (Pump head hose to frame, & hose to harness)	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.



T-1258-1

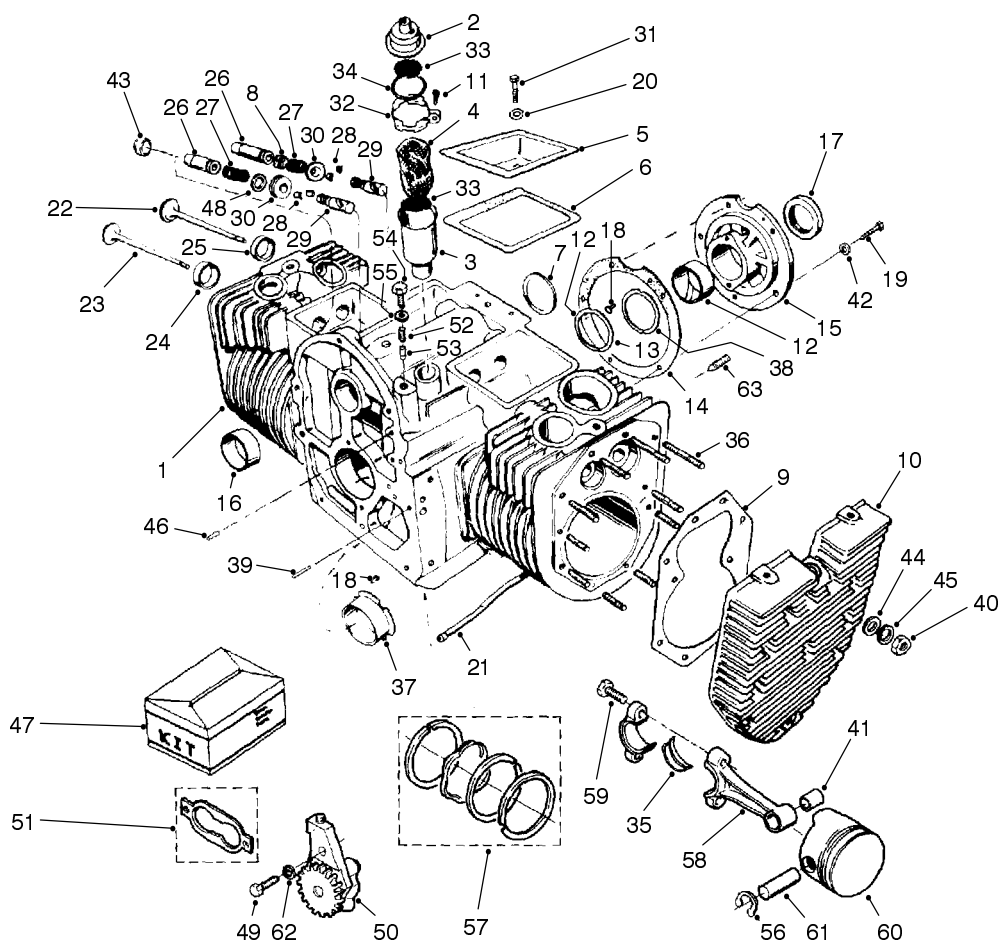
ENGINE CYLINDER BLOCK ASSEMBLY

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



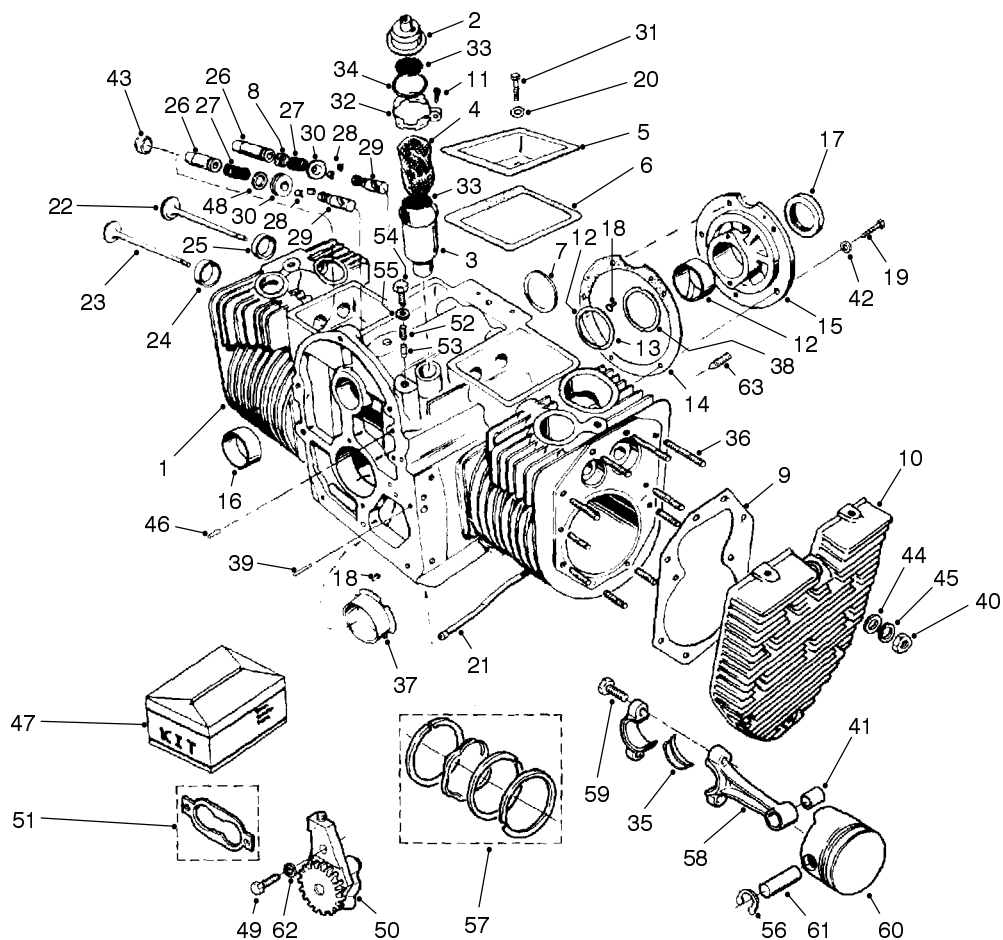
T-1258-1

ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
28	82-0250	Lock - Valve Spring	8	†37	57-8020	Bearing - Flanged (Std.)	1
29	57-8450	Tappet - Valve	4	*	57-9360	Bearing - Flanged (.002" US)	1
30	57-8270	Rotator - Valve	2	*	57-8030	Bearing - Flanged (.010" US)	1
31	321-11	Screw - Cap Hex. Hd.	2	*	57-9800	Bearing - Flanged (.020" US)	1
32	82-0530	Clamp - Breather Tube	1	*	59-0010	Bearing - Flanged (.030" US)	1
33	82-0560	Screen - Breather Tube	2	†38	57-8170	Shim - Crankshaft	A/R
34	82-0570	Seal - O-Ring	1	†39	59-0750	Pin - Alignment	2
35	82-0420	Bearing Half - Rod (Std.)	4	40	82-0040	Nut - Hex.	20
*	82-0430	Bearing Half - Rod (.002" US)	4	41	82-0410	Bushing - Piston Pin	2
*	82-0440	Bearing Half - Rod (.010" US)	4	42	82-1310	Washer - Flat	5
*	82-0450	Bearing Half - Rod (.020" US)	4	43	82-0240	Cap - Exhaust Valve	2
*	82-0460	Bearing Half - Rod (.030" US)	4	44	82-1300	Washer - Flat	20
†36	92-0928	Stud - Cylinder Head Btm.	8	45	82-1650	Washer - Lock	24
*	92-0929	Stud - Cylinder Head Top	4	46	59-0760	Plug - Hole	1
*	92-0932	Stud - Cylinder Head Mid.	8	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

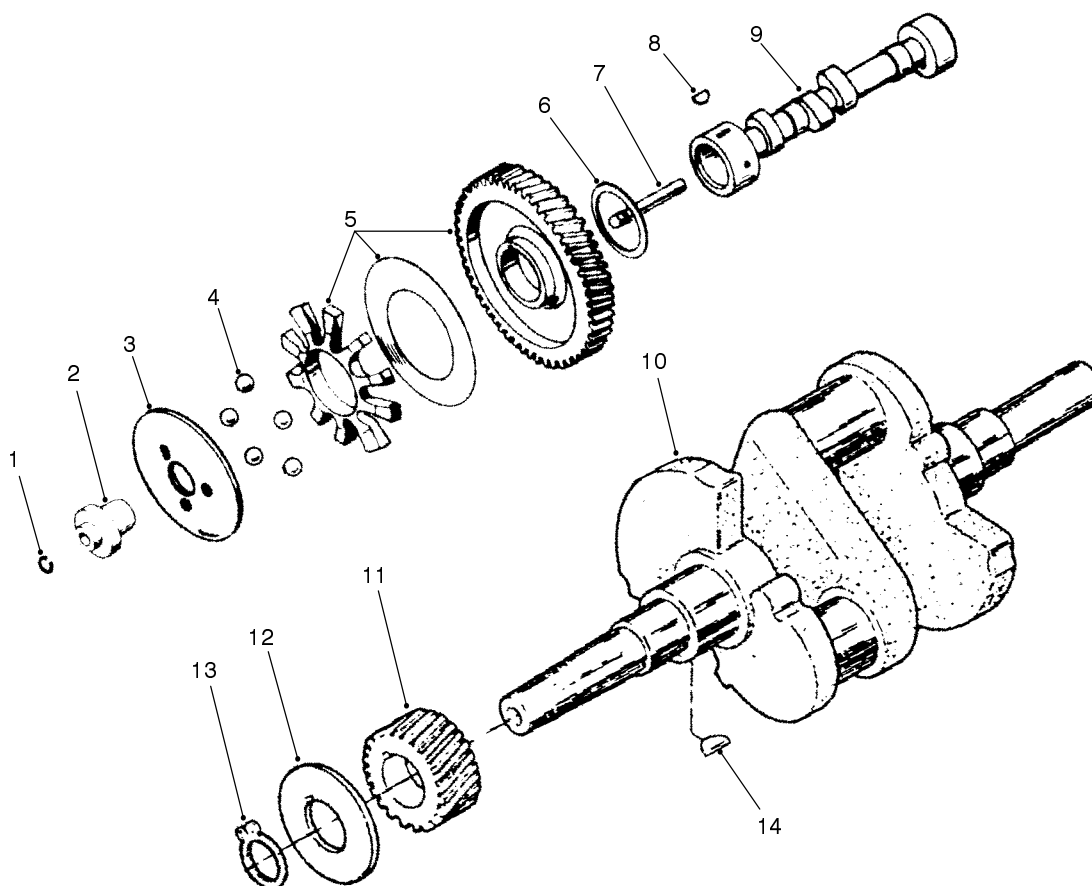


T-1258-1

ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
55	57-9760	Washer - Flat	1	60	82-0300	Piston Assy. (Std.) (Incl. Ref. #56 & 61)	2
56	82-1200	Ring - Retaining	4	*	92-0934	Piston Assy. (.005" OS) (Incl. Ref. #56 & 61)	2
57	92-0939	Piston Ring Set (Std.)	2	*	92-0935	Piston Assy. (.010" OS) (Incl. Ref. #56 & 61)	2
*	92-0940	Piston Ring Set (.005" OS)	2	*	92-0936	Piston Assy. (.020" OS) (Incl. Ref. #56 & 61)	2
*	82-0380	Piston Ring Set (.010" OS)	2	*	92-0937	Piston Assy. (.030" OS) (Incl. Ref. #56 & 61)	2
*	82-0390	Piston Ring Set (.020" OS)	2	61	92-0938	Pin - Piston	2
*	82-0400	Piston Ring Set (.030" OS)	2	62	82-1620	Washer - Lock	2
58	82-0470	Connecting Rod Assembly (Incl. Ref. #41 & 59)	2	63	3247-4	Screw - Set	4
59	82-1470	Bolt - Connecting Rod	4	*	59-0770	Breather Hole Plug	1

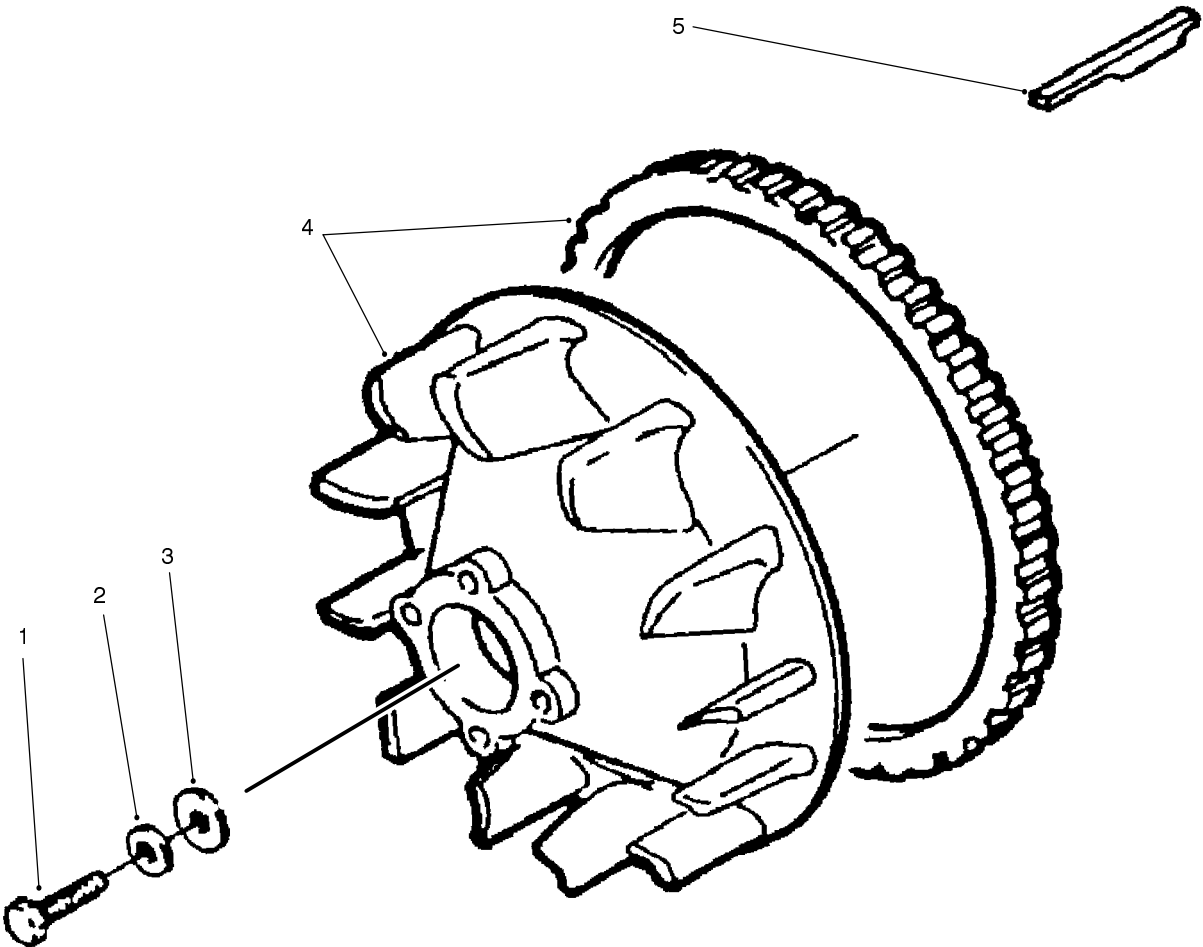
*Not Illustrated



T-1259-1

ENGINE CAMSHAFT & CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	57-9090	Ring - Retaining	1	9	82-0880	Camshaft (Incl. Ref. #7)	1
2	57-9130	Hub - Governor Cup	1	10	82-0060	Crankshaft	1
3	59-0450	Cup - Governor	1	11	92-0941	Gear - Crankshaft	1
4	57-9640	Ball - Governor	5	12	57-8140	Washer - Gear Retaining	1
5	57-8210	Camshaft Gear Assembly	1	13	57-9710	Ring - Retaining	1
6	57-8230	Washer - Thrust	1	14	57-9660	Key - Crankshaft Gear	1
7	59-0400	Pin - Center	1				
8	57-9660	Key - Woodruff	1				

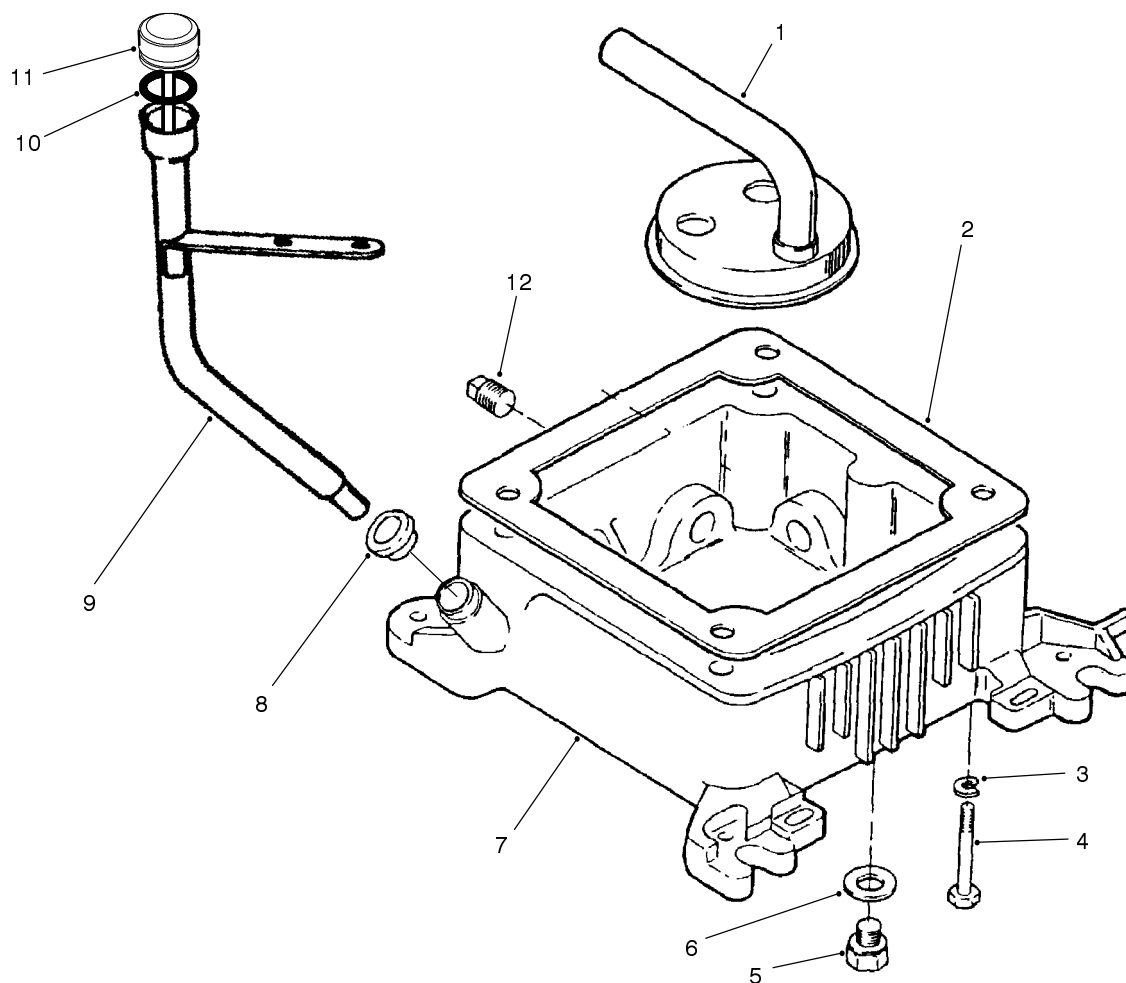


T-1260-1

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

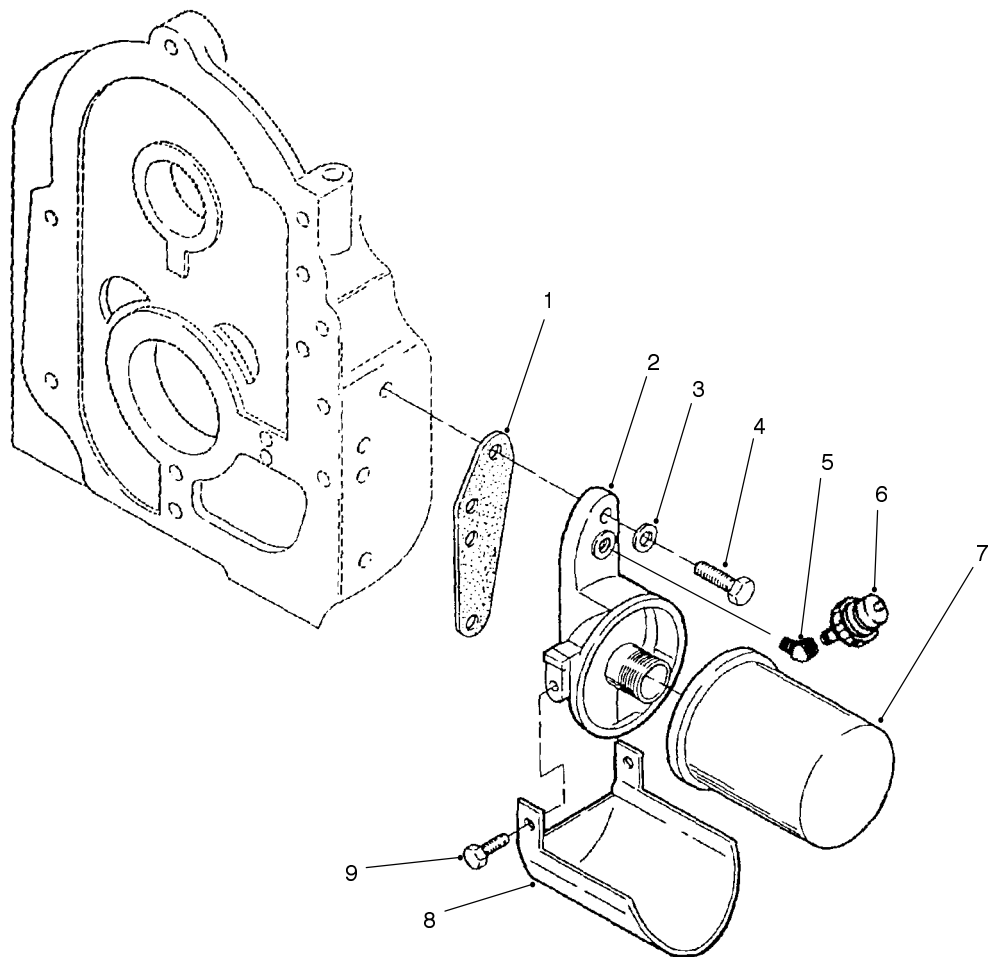
Ref. No.	Part No.	Description	No. Used
4	82-0610	Flywheel	1
5	71-6190	Key - Flywheel	1



T-1261-2

ENGINE OIL BASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-0944	Cup - Oil Pump Intake	1	8	71-6170	Seal - Oil Fill Tube	1
2	82-0900	Gasket - Oil Base	1	9	92-0947	Tube - Oil Fill	1
3	82-1310	Washer - Flat	4	10	57-9610	Seal - O-Ring	1
4	323-25	Screw - Cap Hex. Hd.	4	11	95-5682	Dipstick Assembly (Incl. Ref. #10)	1
5	281-2	Plug - Hex. Hd.	1	12	92-0943	Plug - Pipe	1
6	57-8070	Gasket - Plug	1				
7	92-0942	Oil Base Assembly (Incl. Ref. #2, 5, 6 & 12)	1				

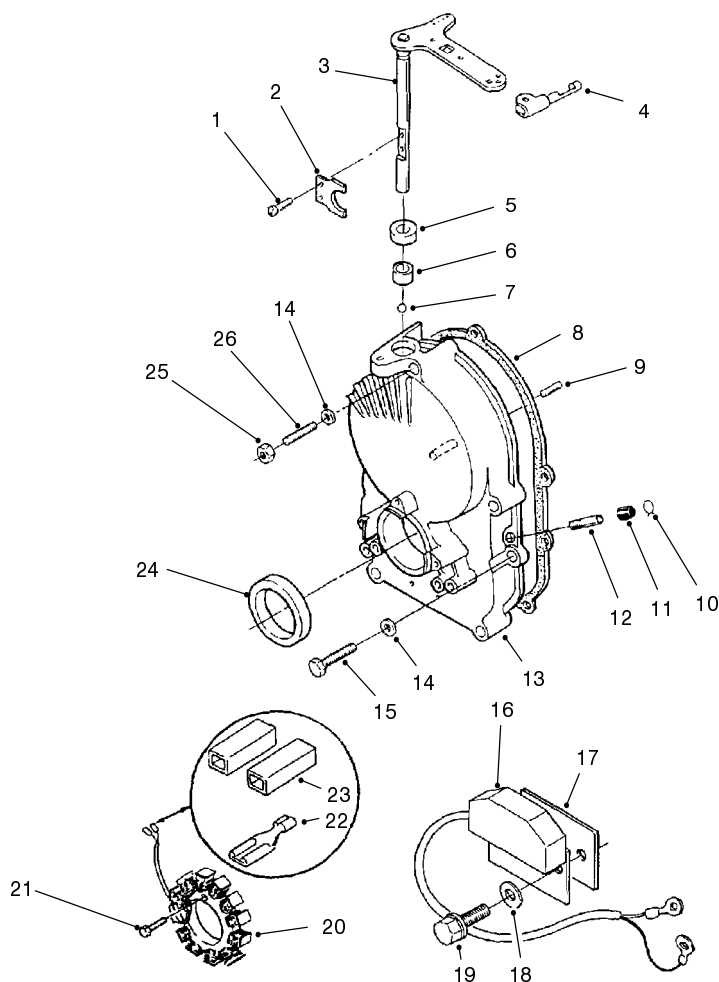


T-1262-1

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

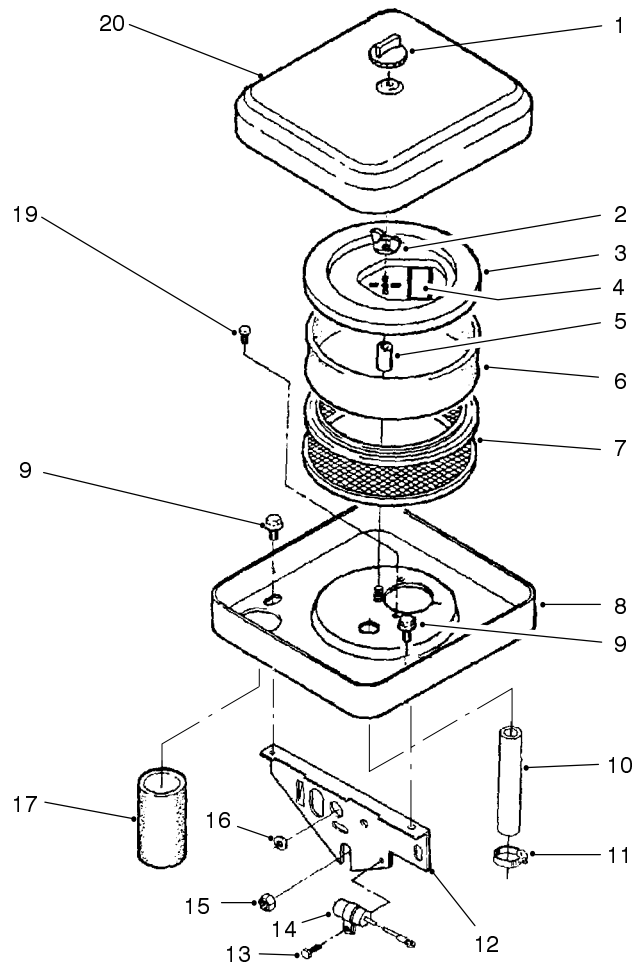
Ref. No.	Part No.	Description	No. Used
6	57-9490	Switch - Low Oil Pressure	1
7	57-8530	Filter - Oil	1
8	82-0510	Drain - Oil Filter	1
9	82-1510	Screw - Cap Hex. Hd.	2



T-1263-1

ENGINE IGNITION CONTROL ASSEMBLY

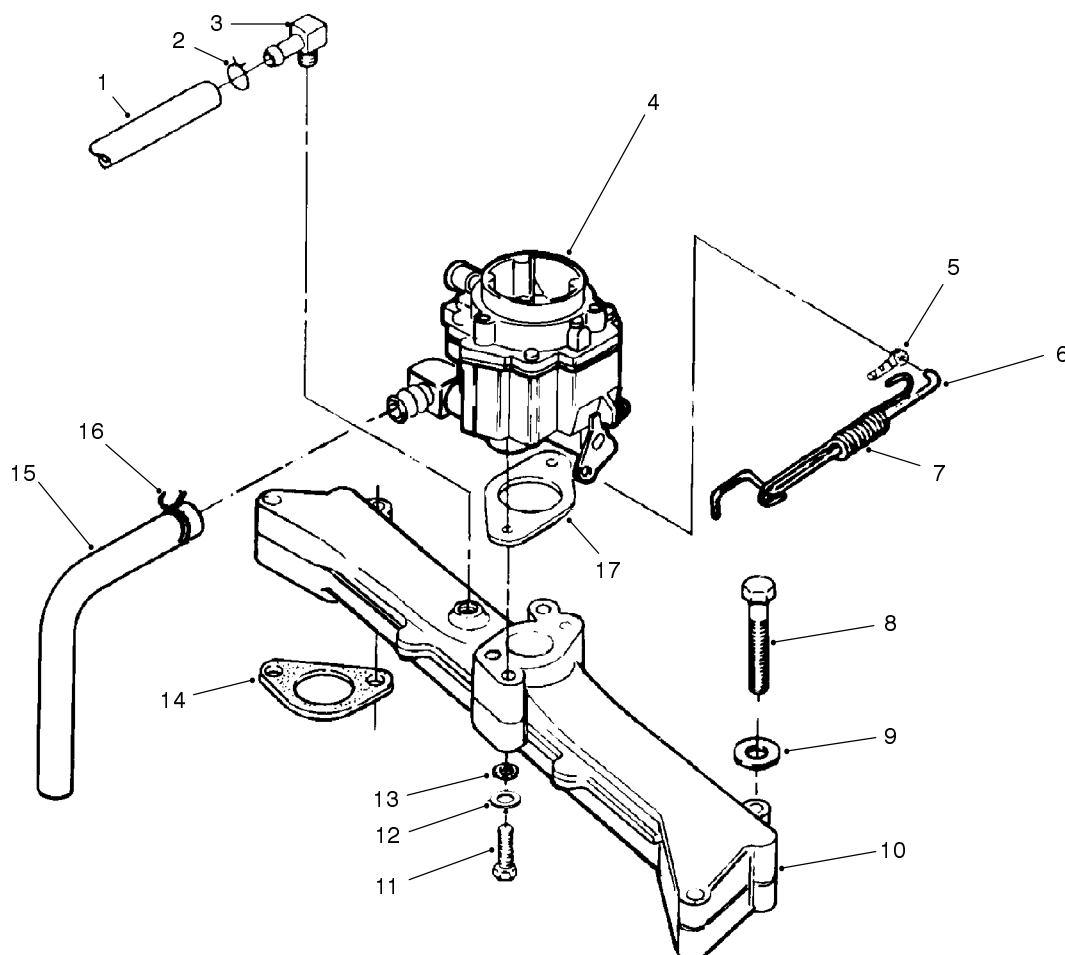
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	59-0950	Screw – Pan Hd.	2	14	57-9750	Washer – Flat	5
2	59-0420	Yoke – Governor Shaft	1	15	322-9	Screw – Cap Hex. Hd.	4
3	59-0440	Shaft/Arm – Governor	1	16	71-6380	Control – Ignition	1
4	57-9730	Clip – Retaining	1	17	71-6410	Insulator – Ignition Module	1
5	57-9570	Seal – Governor Shaft	1	18	82-1660	Washer – Lock	2
6	57-9650	Bearing – Governor Shaft	1	19	71-6400	Screw – Hex. Washer Hd.	2
7	57-9630	Ball – Governor Shaft	1	20	57-9440	Stator – 20 Amp.	1
8	82-0910	Gasket – Gear Case	1	21	71-6390	Screw – Hex. Hd.	3
9	59-0740	Pin – Dowel	1	22	59-0590	Terminal – Stator Leads	3
10	57-9550	Clamp – Cap	1	23	82-1000	Body – Terminal Connector	2
11	59-0370	Cap – Vacuum Port	1	24	57-9580	Seal – Crankshaft	1
12	59-0360	Tube – Vacuum Port	1	25	59-1130	Nut – Hex.	1
13	71-6350	Gear Case Assembly (Incl. Ref. #1-3, 5-7, 9-12 & 24)	1	26	59-0790	Stud – Cover	1



T-2496-1

ENGINE AIR CLEANER ASSEMBLY

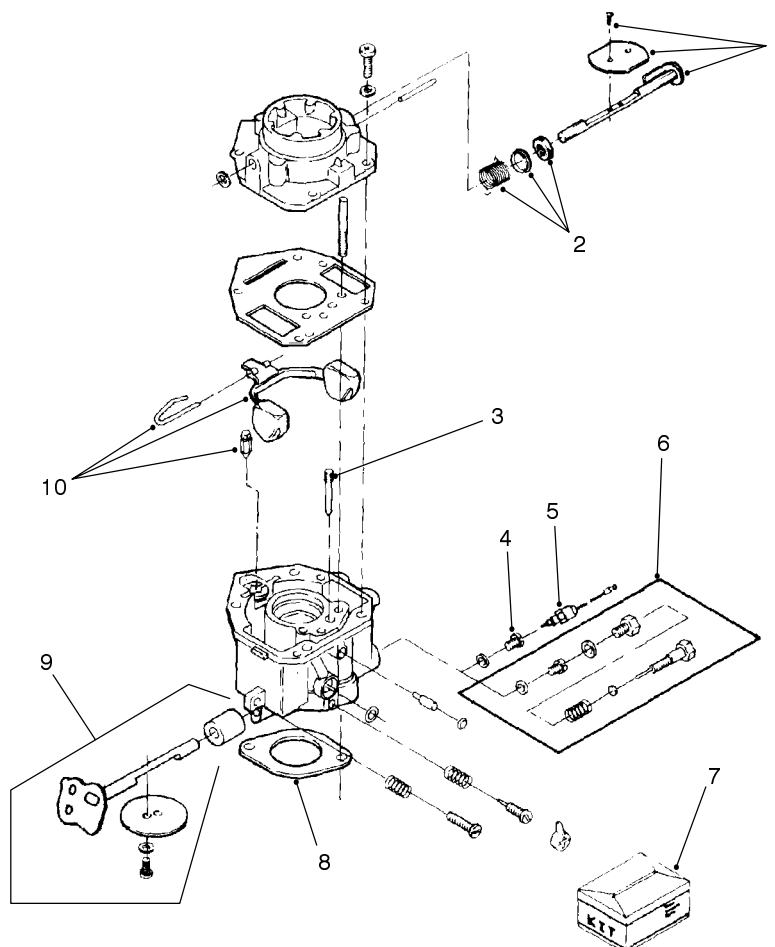
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	82-1760	Knob	1	11	82-1090	Clamp - Hose	1
2	82-1670	Nut - Wing	1	12	82-0720	Support - Air Cleaner	1
3	82-0650	Cover - Inner	1	13	71-6450	Screw - Hex. Hd.	1
4	82-0010	Decal - Air Cleaner Maint.	1	14	59-1180	Condenser	1
5	82-0980	Spacer/Seal	1	15	82-1690	Nut - Hex. Washer Hd.	1
6	82-0670	Wrapper - Element	1	16	71-6140	Grommet - Rubber	1
7	82-0660	Element - Air Cleaner	1	17	82-0700	Tube - Air Intake	1
8	82-0710	Housing - Air Cleaner	1	19	82-1770	Screw - Hex. Washer Hd.	3
9	82-1550	Screw - Tapping	2	20	82-0690	Cover - Air Cleaner	1
10	92-0945	Hose - Breather	1				



T-1265-1

ENGINE FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	82-1120	Hose - Breather	1	9	82-1310	Washer - Flat	4
2	82-1090	Clamp - Hose	1	10	82-0670	Manifold - Intake	1
3	82-1070	Fitting - 90° Elbow	1	11	322-12	Screw - Cap Hex. Hd.	2
4	93-1676	Carburetor Assembly (Incl. Ref. #17)	1	12	82-1350	Washer - Flat	2
5	57-9700	Clip - Retaining	1	13	82-1340	Washer - Flat	2
6	82-0840	Rod - Governor Control	1	14	82-0860	Gasket - Manifold	2
7	82-1740	Spring - Governor Rod	1	15	82-1100	Hose - Fuel (Cut to 15")	1
8	323-14	Screw - Cap Hex. Hd.	4	16	82-1080	Clamp - Hose	2
				17	82-0850	Gasket - Carburetor	1



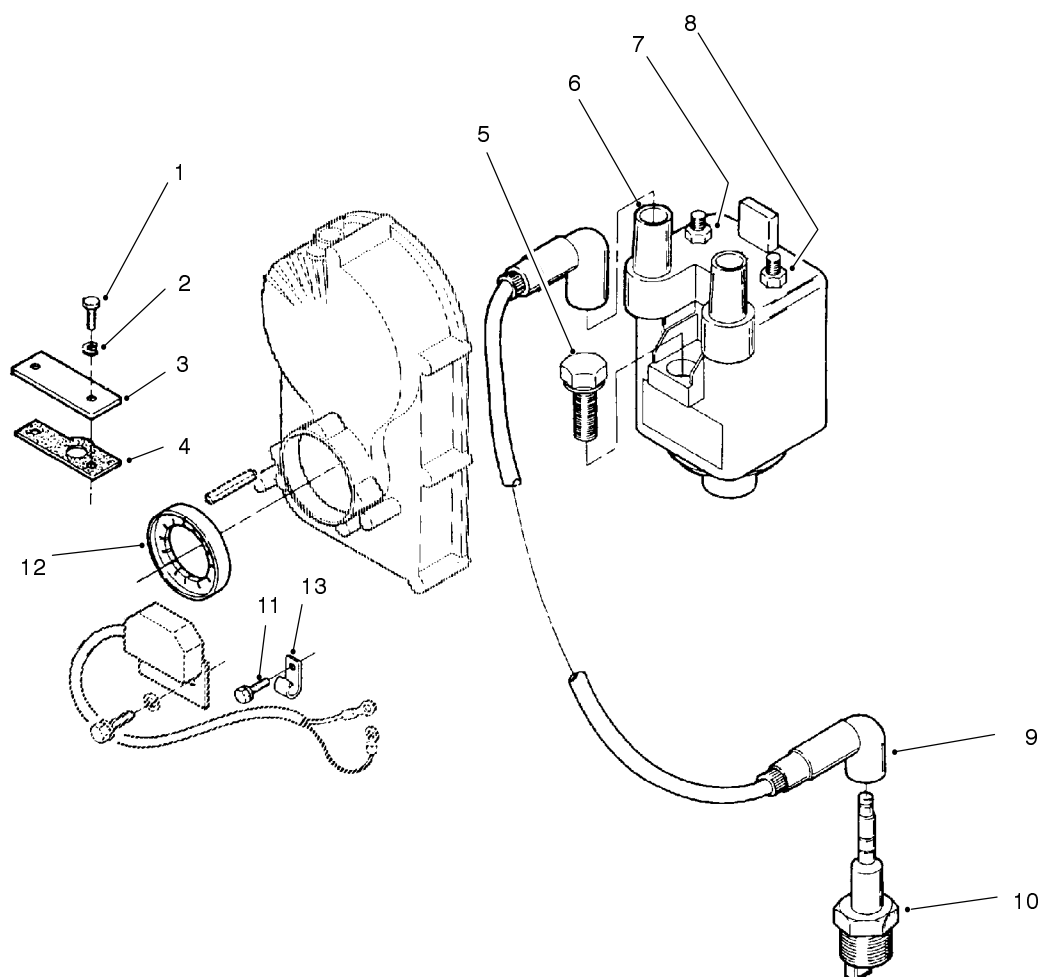
T-1266-1

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

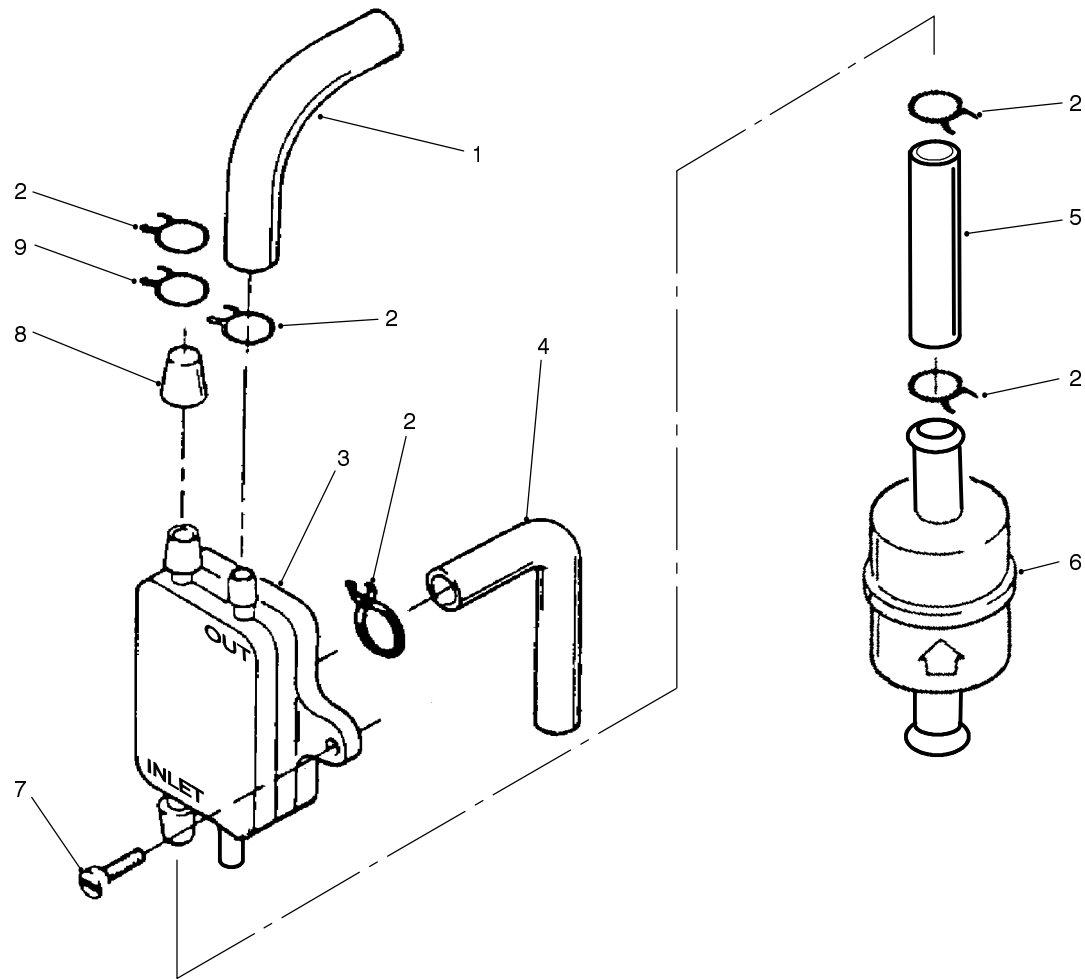


T-1267-1

ENGINE ELECTRONIC IGNITION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	321-3	Screw - Cap Hex. Hd.	2	10	57-9340	Plug - Spark (Champion #RS17YX)	2
2	82-1340	Washer - Flat	2	11	71-6450	Screw - Hex. Flange Hd.	1
3	71-5990	Plate - Ignition Plunger	1	12	71-6010	Rotor - Ignition	1
4	57-9260	Gasket - Plate	1	13	71-6220	Clip - Wire	1
5	71-6460	Screw - Hex. Flange Hd.	2	*	86-8590	Wire Harness Assembly	1
6	95-2844	Coil - Ignition	1	*	95-5681	Kit - Update, Coil	1
7	71-6440	Nut - Hex. Flange	1				
8	71-6430	Hut - Hex. Flange	1				
9	71-6420	Cable - Spark Plug (9")	1				
*	71-6020	Cable - Spark Plug (18.5")	1				

*Not Illustrated

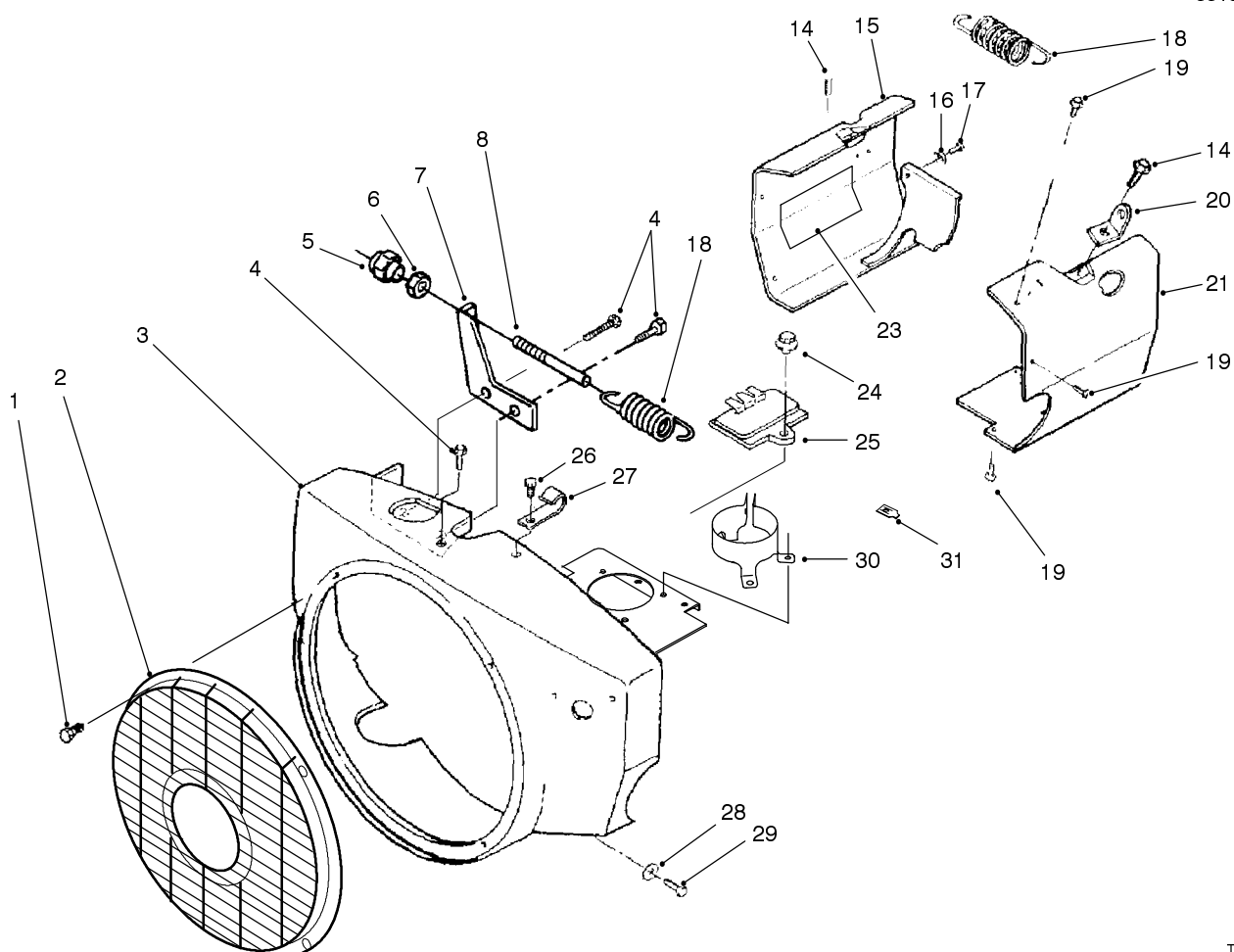


T-1268-1

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

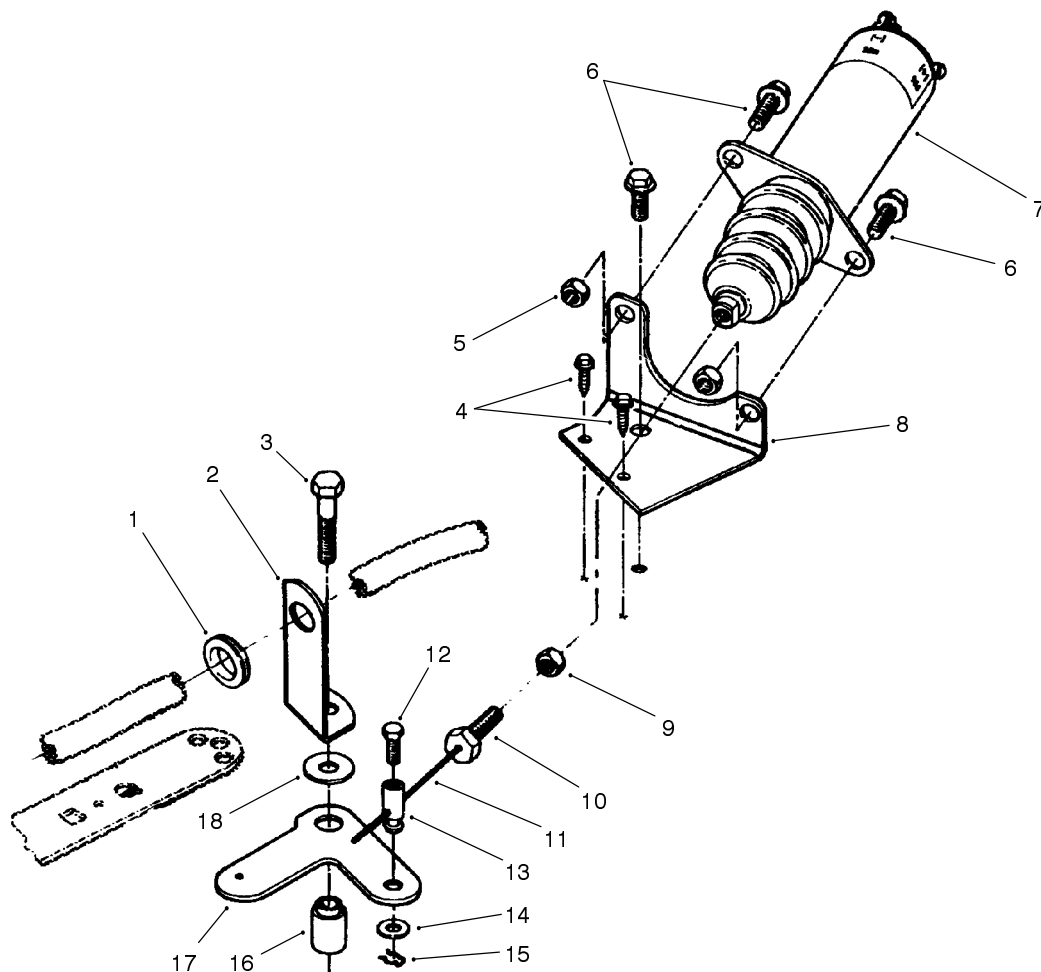
Ref. No.	Part No.	Description	No. Used
6	71-5960	Filter - Fuel	1
7	59-1050	Screw - Tapping Pan Hd.	2
8	59-0370	Fitting - Cap	1
9	57-9550	Clamp - Hose	1



T-2490-2

ENGINE HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	82-1590	Screw - Pan Hd.	4	19	59-1080	Screw - Hex. Washer Hd.	4
2	82-0620	Guard - Stationary	1	20	71-6080	Bracket - Lifting	2
3	95-5683	Housing - Blower	1	21	92-0950	Housing - Cylinder RH	1
4	59-1100	Screw - Hex. Washer Hd.	4	23	82-1580	Decal - Head Bolt Torque	2
5	94-6647	Nut - Governor, Acorn	1	24	59-1080	Screw - Hex. Flange Hd.	1
6	94-6648	Nut - Hex. Governor	1	25	71-6030	Regulator - Voltage (20 Amp.)	1
7	94-6646	Bracket - Governor, Adjust	1	26	82-1540	Screw - Hex. Washer	1
8	94-6645	Stud - Adjusting	1	27	71-6220	Clip - Wire	1
14	82-1600	Screw - Hex. Washer Hd.	2	28	59-0820	Washer - Flat	4
15	92-0949	Housing - Cylinder LH	1	29	82-1780	Screw - Hex. Washer Hd.	3
16	59-0830	Washer - Flat	2	30	95-5684	Clamp - Coil Mount	1
17	59-0980	Screw - Tapping	2	31	95-5685	Clip	1
18	57-9100	Spring - Governor	2				



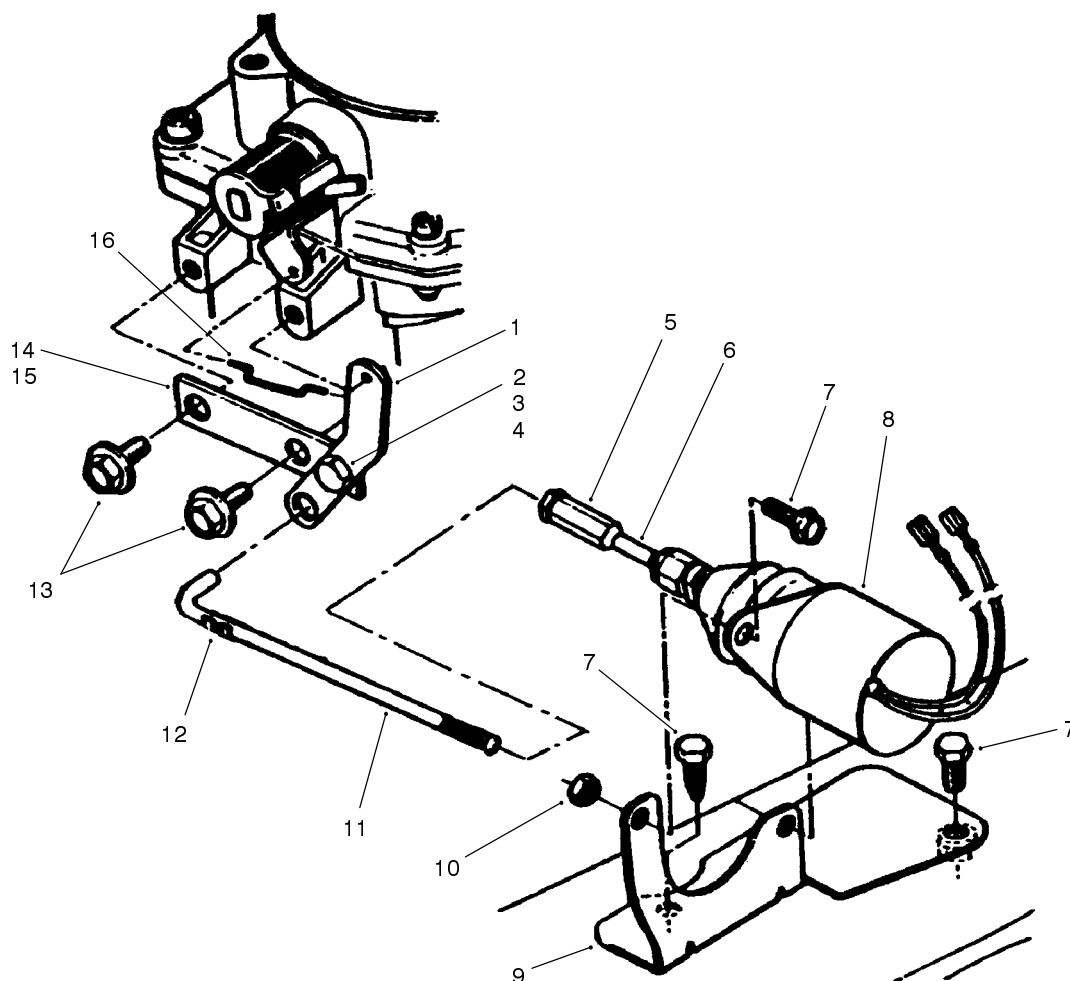
T-2491-1

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 separately.



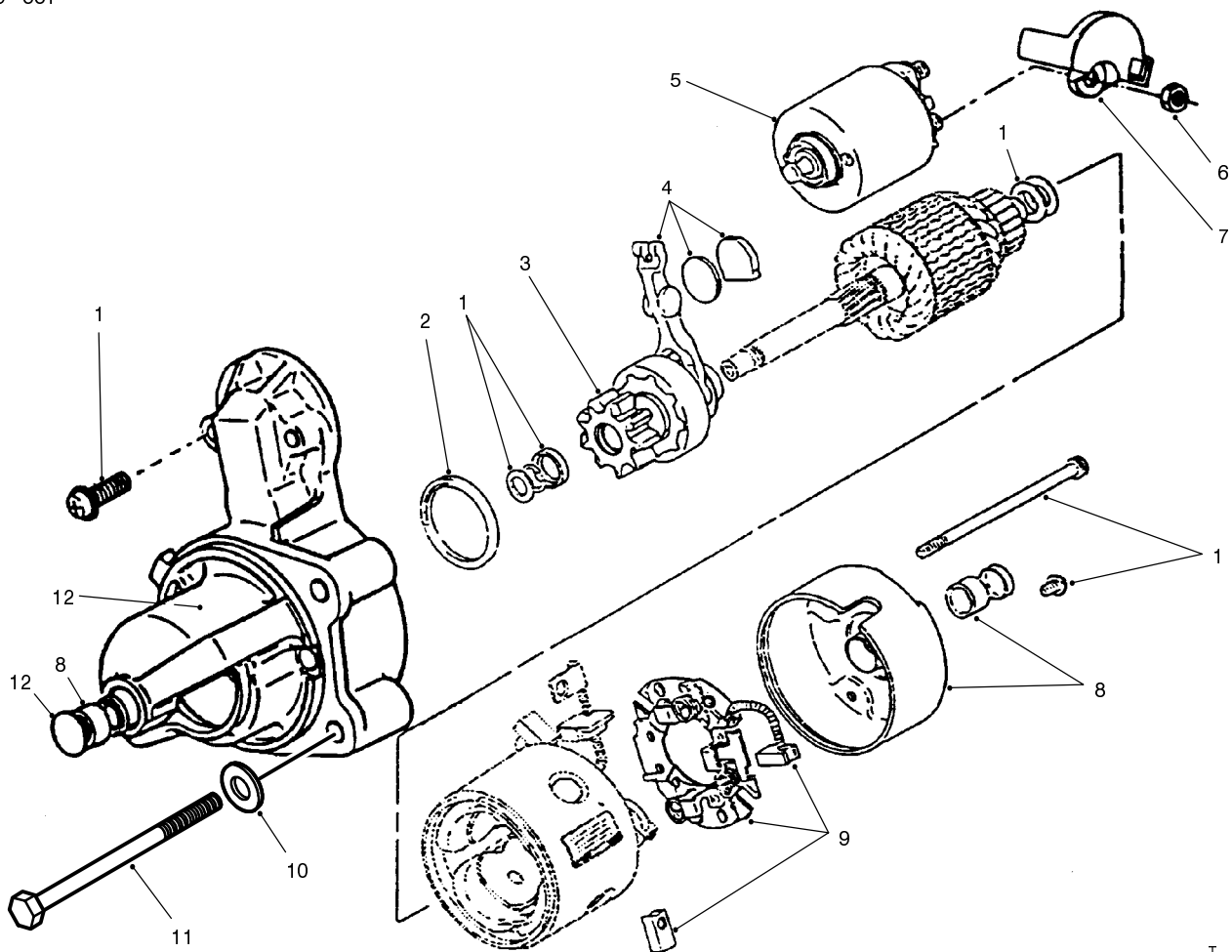
T-2492-1

ENGINE REMOTE CHOKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†1		Lever – Choke	1	10	3296-42	Nut – Lock	2
†2		Washer – Flat	2	11	94-6630	Rod – Choke	1
†3		Screw – PH	1	12	94-6631	Clip – Lock	1
4		Nut – Lock	1	13	72-3880	Screw – Lock	2
5	3219-14	Nut – Hex.	1	14	94-6632	Bracket – Assembly, Choke (Incl. Ref. #1-4 & 15)	1
6	94-6629	Joint – Ball	1	†15		Bracket – Choke	1
7	32144-10	Screw – HWH	4	16	57-9180	Link – Choke	1
8	94-6627	Solenoid	1				
9	94-6628	Bracket – Solenoid	1				

*Not Illustrated

†Not serviced separately.



T-1271-1

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

3319–551

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
41316	Coupler – Male	11 22 1	57–9740	Washer – Flat	20 20 2
41318	Cap – Dust	11 24 1	57–9750	Washer – Flat	26 3 2
7–0238	Key – Square	7 4 1	57–9750	Washer – Flat	27 14 5
12–5450	Screw – Thread Form	5 6 4	57–9760	Washer – Flat	22 55 1
14–5229	Muffler Shield Assembly	6 2 1	57–9770	Washer – Mounting Screw	36 10 2
14–5239	Cover – Exhaust, Left	6 7 1	57–9800	Bearing – Flanged	21 * 1
14–5249	Cover – Exhaust, Right	6 6 1	59–0010	Bearing – Flanged	21 * 1
14–5289	Head – Pump	18 16 1	59–0020	Bearing – Crank (.002 US)	20 * 1
14–7449	Body – Valve	15 8 1	59–0030	Bearing – Crank (.020 US)	20 * 1
14–7449	Valve Assembly	12 17 1	59–0040	Bearing – Crank (.030 US)	20 * 1
20–7150	Switch – Toggle	5 4 1	59–0360	Tube – Vacuum Port	27 12 1
27–2360	Switch – Ignition	5 5 1	59–0370	Cap – Vacuum Port	27 11 1
42–3560	Bolt – Shoulder	16 10 1	59–0370	Fitting – Cap	32 8 1
43–4190	Fitting	11 34 1	59–0400	Pin – Center	23 7 1
43–4300	Trim – Rear Frame	11 36 3	59–0420	Yoke – Governor Shaft	27 2 1
44–8320	Spring – Compression	8 2 3	59–0440	Shaft/Arm – Governor	27 3 1
46–8091	Screw – Tapping	1 17 2	59–0450	Cup – Governor	23 3 1
52–5980	Spacer	6 38 2	59–0590	Terminal – Stator Leads	27 22 3
57–6040	Trim – Front Guard	2 34 1	59–0640	Fitting – 45° Elbow	26 5 1
57–8000	Bearing – Camshaft	20 16 2	59–0730	Pin – Bearing Stop	20 18 4
57–8010	Gasket – Bearing Plate	20 14 1	59–0740	Pin – Dowel	27 9 1
57–8020	Bearing – Flanged (Std.)	21 37 1	59–0750	Pin – Alignment	21 39 2
57–8030	Bearing – Flanged	21 * 1	59–0760	Plug – Hole	21 46 1
57–8050	Bearing – Crank (Std.)	20 12 1	59–0770	Breather Hole Plug	22 * 1
57–8060	Bearing – Crank (.010 US)	20 * 1	59–0790	Stud – Cover	27 26 1
57–8070	Gasket – Plug	25 6 1	59–0810	Washer – Flat	24 3 1
57–8140	Washer – Gear Retaining	23 12 1	59–0820	Washer – Flat	33 28 4
57–8150	Screw – Cap Hex. Hd.	24 1 1	59–0830	Washer – Flat	33 16 2
57–8160	Washer – Thrust	20 13 2	59–0910	Screw – Cap Hex. Hd.	21 54 1
57–8170	Shim – Crankshaft	21 38 A/R	59–0950	Screw – Pan Hd.	27 1 2
57–8210	Camshaft Gear Assembly	23 5 1	59–0980	Screw – Tapping	33 17 2
57–8230	Washer – Thrust	23 6 1	59–1050	Screw – Tapping Pan Hd.	32 7 2
57–8250	Spring – Valve	20 27 4	59–1080	Screw – Hex. Flange Hd.	33 24 1
57–8270	Rotator – Valve	21 30 2	59–1080	Screw – Hex. Washer Hd.	33 19 4
57–8450	Tappet – Valve	21 29 4	59–1100	Screw – Hex. Washer Hd.	33 4 4
57–8460	Gasket Kit – Oil Pump	21 51 1	59–1100	Screw – Locking Head	34 6 3
57–8470	Plunger – Bypass Valve	21 53 1	59–1130	Nut – Hex.	27 25 1
57–8480	Oil Pump Assembly	21 50 1	59–1180	Condenser	28 14 1
57–8500	Spring – Bypass Valve	21 52 1	61–3310	Plate – Logo	1 13 1
57–8530	Filter – Oil	26 7 1	62–2730	Starter Bushing Kit	36 8 1
57–8580	Baffle – Breather Tube	20 4 1	62–2740	Starter Brush Kit	36 9 1
57–9080	Pump – Fuel	32 3 1	62–2750	Brush Mounting Kit	36 12 1
57–9090	Ring – Retaining	23 1 1	62–2760	Starter Hardware Kit	36 1 1
57–9100	Spring – Governor	33 18 2	62–2770	Starter Shift Lever Kit	36 4 1
57–9130	Hub – Governor Cup	23 2 1	62–2800	Float Assembly	30 10 1
57–9180	Link – Choke	35 16 1	63–8360	Key – Ignition	5 14 1
57–9260	Gasket – Plate	31 4 1	65–5100	Handle – Hood	1 18 1
57–9340	Plug – Spark	31 10 2	66–2490	Retainer – Battery	6 31 1
57–9360	Bearing – Flanged	21 * 1	67–7050	Field Rotor Assembly	8 1 1
57–9440	Stator – 20 Amp.	27 20 1	67–7100	Plate – Brake	8 3 1
57–9490	Switch – Low Oil Pressure	26 6 1	69–1170	Glass – Sight	9 28 1
57–9550	Clamp – Cap	27 10 1	69–6470	Bushing	2 12 4
57–9550	Clamp – Hose	32 9 1	70–1480	Relay	3 15 4
57–9570	Seal – Governor Shaft	27 5 1	71–5960	Filter – Fuel	32 6 1
57–9580	Seal – Crankshaft	27 24 1	71–5960	Filter – Fuel	6 23 1
57–9590	Seal – Oil	20 17 1	71–5990	Plate – Ignition Plunger	31 3 1
57–9610	Seal – O–Ring	25 10 1	71–6010	Rotor – Ignition	31 12 1
57–9630	Ball – Governor Shaft	27 7 1	71–6020	Cable – Spark Plug (18.5")	31 * 1
57–9640	Ball – Governor	23 4 5	71–6030	Regulator – Voltage	33 25 1
57–9650	Bearing – Governor Shaft	27 6 1	71–6040	Starter Assembly	36 * 1
57–9660	Key – Crankshaft Gear	23 14 1	71–6080	Bracket – Lifting	33 20 2
57–9660	Key – Woodruff	23 8 1	71–6100	Hose – Fuel (Cut to 5")	32 5 1
57–9700	Clip – Retaining	29 5 1	71–6100	Line – Pulse (Cut to 7")	32 4 1
57–9710	Ring – Retaining	23 13 1	71–6140	Grommet – Rubber	28 16 1
57–9730	Clip – Retaining	27 4 1	71–6170	Seal – Oil Fill Tube	25 8 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
71-6190	Key - Flywheel	24 5 1	80-6620	Spring - Extension	16 8 1
71-6220	Clip - Wire	31 13 1	80-6650	Pulley - Double Groove	16 17 1
71-6220	Clip - Wire	33 27 1	80-6660	Bushing - Taper Lock	16 18 1
71-6240	Screw - Hex. Flange Hd.	20 19 5	80-6730	Belt	16 16 2
71-6350	Gear Case Assembly	27 13 1	80-6791	Battery	6 25 1
71-6380	Control - Ignition	27 16 1	80-6980	Soft Latch Assembly	2 18 2
71-6390	Screw - Hex. Hd.	27 21 3	80-7020	Fitting - Breather	9 6 1
71-6400	Screw - Hex. Washer Hd.	27 19 2	80-7020	Vent - Filter	17 2 1
71-6410	Insulator - Ignition Module	27 17 1	80-7030	Shim - Pinion Bearing	9 16 1
71-6420	Cable - Spark Plug (9")	31 9 1	80-7031	Shim - Pinion Bearing	9 * 1
71-6430	Hut - Hex. Flange	31 8 1	80-7032	Shim - Pinion Bearing	9 * 1
71-6440	Nut - Hex. Flange	31 7 1	80-7033	Shim - Pinion Bearing	9 * 1
71-6450	Screw - Hex. Flange Hd.	31 11 1	80-7040	Shim - Gear/Cam Bearing	9 20 1
71-6450	Screw - Hex. Hd.	28 13 1	80-7041	Shim - Gear/Cam Bearing	9 * 1
71-6460	Screw - Hex. Flange Hd.	31 5 2	80-7042	Shim - Gear/Cam Bearing	9 * 1
72-3860	Kit - Choke Shaft	30 1 1	80-7043	Shim - Gear/Cam Bearing	9 * 1
72-3870	Kit - Choke Lever	30 2 1	80-7050	Shim - Gearbox .002 Red	7 24 A/R
72-3880	Screw - Lock	35 13 2	80-7051	Shim - Gearbox .005 Blue	7 25 A/R
72-3930	Starter Solenoid Kit	36 5 1	80-7052	Shim - Gearbox .015 Pink	7 26 A/R
72-3940	Starter Clutch Kit	36 3 1	80-7053	Shim - Gearbox .020	7 27 A/R
72-3950	Dust Seal Kit	36 2 1	80-7070	Relief Valve Assembly	12 14 1
72-4320	Switch - Ball	12 44 1	80-7680	Support - Muffler	6 15 2
74-0720	Tube - Manual	11 25 1	80-7700	Bracket - Support	6 11 1
75-6820	Hour Meter	3 8 1	80-7710	Spacer - Idler Pivot	16 7 1
79-6470	Gasket - Oil Filter Adaptor	26 1 1	80-8000	Decal - Warning	7 16 1
80-5080	Support - Manifold	12 26 1	80-8030	Decal - Danger	13 6 2
80-5240	Housing - Gear Box	9 3 1	80-8030	Decal - Danger	12 8 2
80-5260	Cover - Gear Box	9 5 1	80-8040	Decal - Caution	7 18 1
80-5280	Gear	9 22 1	80-8180	Hub - Adapter	7 30 1
80-5300	Housing - Bearing	9 19 1	80-8210	Feeder - Manifold	12 38 1
80-5320	Housing - Pinion Bearing	9 17 1	80-8220	Cap - Check Valve	18 1 6
80-5330	Sleeve - Follower	9 2 1	80-8220	Plug	12 29 2
80-5570	Retainer - Valve Spring	15 15 1	80-8230	Plug	12 41 1
80-5580	Follower - Cam	12 18 1	80-8290	Plate - Hot Surface	6 34 3
80-5590	Pilot - Gear Box	15 18 1	80-8340	Shaft - Pinion	9 12 1
80-5600	Spool - Valve	15 1 1	80-8360	Pulley - Idler, Flat	16 2 1
80-5630	Valve - Check	18 3 6	80-8460	Seal - O-Ring	15 5 1
80-5640	Gage - Pressure Switch	3 5 1	80-8470	Ring - Support	15 6 1
80-5650	Muffler - Exhaust	6 33 1	80-8500	Cam	9 23 1
80-5720	Retainer - Seal	18 14 3	80-8510	Block - Weight	9 27 1
80-5730	Ring - Head Back-Up	18 10 3	80-8560	Washer	7 35 1
80-5730	Ring - Head Back-Up	15 30 1	80-8570	Washer	7 31 1
80-5740	Seal - Packing	15 29 1	80-8600	Housing - Filter	11 16 1
80-5740	Seal - Packing Vee	18 11 3	80-8620	Spacer - Rubber Coupler	7 22 2
80-5750	Support - Seal/Plunger	18 12 3	80-8650	Coupling - Rubber	7 14 1
80-5751	Support - Seal/Plunger	15 28 1	80-8660	Spacer	7 32 2
80-5760	Seal - U-Cup	18 13 3	80-8680	Stud	16 15 2
80-5760	Seal - U-Cup	15 26 1	80-8680	Stud	12 20 2
80-5770	Spring - Compression	15 16 1	80-8880	Decal - Warning	13 7 2
80-5780	Seal - O-Ring	15 3 1	80-8880	Decal - Warning	12 9 2
80-5780	Seal - O-Ring	12 39 1	80-8880	Decal - Warning	2 9 1
80-5781	Seal - Check Valve	18 4 6	80-8970	Cap - Valve	13 15 1
80-5782	Seal - O-Ring	12 16 2	80-8980	Piston Assembly	13 8 1
80-5782	Seal - O-Ring	18 22 1	80-8990	Ring - Backup	13 10 2
80-5782	Seal - O-Ring	15 37 1	80-9000	Valve - Accumulator	13 12 1
80-5784	O-Ring	12 6 2	80-9020	Guard - Valve	13 13 1
80-5786	Seal - O-Ring	12 37 11	80-9040	Cap - End	13 9 1
80-5791	Seal - O-Ring	18 2 6	80-9080	Hinge	2 7 2
80-5791	Seal - O-Ring	12 28 2	80-9080	Hinge	1 9 2
80-5793	Seal - O-Ring	12 4 2	80-9150	Support - Muffler Shield	6 4 1
80-5794	Seal - O-Ring	12 2 1	80-9200	Seal - Back-Up	15 19 1
80-5794	Seal - O-Ring	18 6 1	80-9220	Retainer - Seal	15 25 1
80-6521	Hose - Gage	18 18 1	80-9260	Plate - Back Up	1 2 2
80-6521	Hose - Gage	15 34 1	80-9270	Bracket - Switch	5 10 1
80-6600	Bracket - Spring	16 11 1	80-9280	Switch Assembly	5 9 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
80-9290	Button - Push (Green)	5 7 1	82-0570	Seal - O-Ring	21 34 1
80-9300	Button - Push (Red)	5 8 1	82-0610	Flywheel	24 4 1
80-9310	Spacer - Tubular	1 14 2	82-0620	Guard - Stationary	33 2 1
80-9350	Plate - Hot Surface	6 35 2	82-0650	Cover - Inner	28 3 1
80-9390	Guide - Valve	15 27 1	82-0660	Element - Air Cleaner	28 7 1
80-9410	Fitting - Adapter	15 31 1	82-0670	Manifold - Intake	29 10 1
80-9450	Decal - Pump	17 6 1	82-0670	Wrapper - Element	28 6 1
80-9480	Retainer - Tube	18 19 1	82-0690	Cover - Air Cleaner	28 20 1
80-9480	Tube - Retainer	15 33 1	82-0700	Tube - Air Intake	28 17 1
80-9500	Adapter - Bulkhead	11 23 1	82-0710	Housing - Air Cleaner	28 8
80-9510	Wrench	11 * 1	82-0720	Support - Air Cleaner	28 12 1
80-9560	Gasket - Pilot	15 35 1	82-0740	Kit - Jet	30 6 1
80-9610	Bushing - Flange	16 5 2	82-0750	Jet - Idle	30 3 1
80-9640	Kit - Seal	18 * 1	82-0760	Gasket - Carburetor	30 * 1
80-9650	Kit - Check Valve	18 * 1	82-0790	Jet - Power (Std.)	30 4 1
80-9660	Kit - Rebuild	15 * 1	82-0800	Solenoid - Fuel Shut-Off	30 5 1
80-9710	Spring - Conical	12 32 11	82-0810	Kit - Throttle Shaft	30 9 1
80-9750	Valve - Bleed	15 11 1	82-0840	Rod - Governor Control	29 6 1
80-9800	Flange - Nozzle	12 35 11	82-0850	Gasket - Carburetor	30 8 1
80-9890	Clamp - Valve	12 13 1	82-0850	Gasket - Carburetor	29 17 1
80-9900	Fitting - Valve	12 15 1	82-0860	Gasket - Manifold	29 14 2
80-9910	Coupler - Drive	7 43 1	82-0880	Camshaft	23 9 1
80-9920	Spacer - Coupler	7 11 2	82-0900	Gasket - Oil Base	25 2 1
80-9980	Fitting - Extension	12 3 1	82-0910	Gasket - Gear Case	27 8 1
82-0010	Decal - Air Cleaner Maint.	28 4 1	82-0950	Gasket Kit (Engine)	21 47 1
82-0020	Plate - Bearing Rear	20 15 1	82-0960	Gasket Kit (Carbon Remove)	20 * 1
82-0040	Nut - Hex.	21 40 20	82-0980	Spacer/Seal	28 5 1
82-0060	Crankshaft	23 10 1	82-1000	Body - Terminal Connector	27 23 2
82-0070	Washer - Spring Retainer	21 48 2	82-1070	Fitting - 90° Elbow	29 3 1
82-0080	Insert - Exhaust Valve	20 24 2	82-1080	Clamp - Hose	32 2 6
82-0090	Insert - Exhaust Valve	20 * 2	82-1080	Clamp - Hose	29 16 2
82-0100	Insert - Exhaust Valve	20 * 2	82-1090	Clamp - Hose	29 2 1
82-0110	Insert - Exhaust Valve	20 * 2	82-1090	Clamp - Hose	28 11 1
82-0120	Insert - Exhaust Valve	20 * 2	82-1100	Hose - Fuel (Cut to 15")	32 1 1
82-0130	Gasket - Cylinder Head	20 9 2	82-1100	Hose - Fuel (Cut to 15")	29 15 1
82-0140	Guide - Exhaust Valve	20 26 2	82-1120	Hose - Breather	29 1 1
82-0150	Guide - Intake Valve	20 * 2	82-1180	Plug - Expansion	20 7 1
82-0160	Insert - Intake Valve	20 25 2	82-1200	Ring - Retaining	22 56 4
82-0170	Insert - Intake Valve	20 * 2	82-1300	Washer - Flat	21 44 20
82-0210	Head - Cylinder	20 10 2	82-1310	Washer - Flat	25 3 4
82-0220	Valve - Intake	20 22 2	82-1310	Washer - Flat	29 9 4
82-0230	Valve - Exhaust	20 23 2	82-1310	Washer - Flat	21 42 5
82-0240	Cap - Exhaust Valve	21 43 2	82-1320	Washer - Flat	24 2 1
82-0250	Lock - Valve Spring	21 28 8	82-1340	Washer - Flat	31 2 2
82-0260	Gasket - Valve Cover	20 6 2	82-1340	Washer - Flat	29 13 2
82-0270	Seal - Intake Valve	20 8 2	82-1350	Washer - Flat	29 12 2
82-0280	Cover - Valve (Coil)	20 5 1	82-1470	Bolt - Connecting Rod	22 59 4
82-0300	Piston Assy. (Std.)	22 60 2	82-1480	Screw - Tapping	20 11 1
82-0380	Piston Ring Set (.010 OS)	22 * 2	82-1510	Screw - Cap Hex. Hd.	26 9 2
82-0390	Piston Ring Set (.020 OS)	22 * 2	82-1520	Gasket - Exhaust, Twin	6 36 2
82-0400	Piston Ring Set (.030 OS)	22 * 2	82-1540	Screw - Hex. Washer	33 26 1
82-0410	Bushing - Piston Pin	21 41 2	82-1550	Screw - Tapping	28 9 2
82-0420	Bearing Half - Rod (Std.)	21 35 4	82-1580	Decal - Head Bolt Torque	33 23 2
82-0430	Bearing Half - Rod	21 * 4	82-1590	Screw - Pan Hd.	33 1 4
82-0440	Bearing Half - Rod	21 * 4	82-1600	Screw - Hex. Washer Hd.	33 14 2
82-0450	Bearing Half - Rod	21 * 4	82-1620	Washer - Lock	22 62 2
82-0460	Bearing Half - Rod	21 * 4	82-1650	Washer - Lock	21 45 24
82-0470	Connecting Rod Assembly	22 58 2	82-1660	Washer - Lock	27 18 2
82-0480	Tube - Oil	20 21 1	82-1670	Nut - Wing	28 2 1
82-0500	Adaptor - Oil Filter	26 2 1	82-1690	Nut - Hex. Washer Hd.	28 15 1
82-0510	Drain - Oil Filter	26 8 1	82-1710	Cover - Valve (Dipstick)	20 * 1
82-0530	Clamp - Breather Tube	21 32 1	82-1720	Cap - Solenoid	36 7 1
82-0540	Tube - Breather	20 3 1	82-1730	Nut - Hex.	36 6 1
82-0550	Breather Cap & Valve	20 2 1	82-1740	Spring - Governor Rod	29 7 1
82-0560	Screen - Breather Tube	21 33 2	82-1760	Knob	28 1 1

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82-1780	Screw - Hex. Washer Hd.	33 29 3	92-0945	Hose - Breather	28 10 1
86-8110	Extension - Nozzle	12 36 11	92-0947	Tube - Oil Fill	25 9 1
86-8130	Nozzle (#56) (Opt.)	12 * 6	92-0949	Housing - Cylinder LH	33 15 1
86-8131	Nozzle (#53) (Std.)	12 30 11	92-0950	Housing - Cylinder RH	33 21 1
86-8133	Nozzle (#46) (Opt.)	12 * 6	92-2555	Decal - Warning	2 30 2
86-8140	Retainer - Nozzle	12 43 11	92-3188	Diode - Circuit Board	3 * 1
86-8150	Washer	12 31 11	92-9530	Plunger - Switch	13 3 1
86-8160	Brake Clutch Assembly	7 10 1	92-9531	Retainer - Plunger	13 1 1
86-8170	Armature & Hub Assembly	8 5 1	92-9532	Spring - Compression	13 2 1
86-8310	Sleeve - Plunger	15 7 1	92-9535	Seal - O-Ring	13 5 1
86-8320	Washer - Slotted	15 23 1	92-9536	Ring - Backup	13 4 2
86-8360	Crankshaft	17 15 1	92-9542	Decal - Important	2 14 1
86-8380	Rod - Connecting	17 13 3	92-9547	Bracket - Angle	17 21 2
86-8470	Cable - Battery, Negative	6 22 1	93-1667	Accumulator Assembly	12 7 1
86-8550	Valve Repair Kit	14 * 1	93-1674	Cap - End	13 11 1
86-8570	Flange - Crankcase	17 27 1	93-1676	Carburetor Assembly	29 4 1
86-8580	Flange - Crankcase	17 9 1	93-1677	Carburetor Repair Kit	30 7 1
86-8590	Wire Harness Assembly	31 * 1	93-3101	Cap - Gas	11 1 1
86-8610	Screw - Hex. Flange Hd.	12 34 22	93-4665	Bushing - Flange	2 15 2
86-8620	Filter - Water	11 15 1	93-5476	Switch	5 3 1
86-8720	Shim - .002 Red	17 8 A/R	93-9360	Decal - Pump (Europe)	17 6 1
86-8721	Shim - .005 Blue	17 * A/R	94-5247	Kit - Roller	19 * 1
86-8722	Shim - .015 Pink	17 * A/R	94-6452	Shroud	1 3 1
86-8723	Shim - .020 Yellow	17 * A/R	94-6453	Tank - Fuel	11 2 1
86-8730	Gasket	17 19 1	94-6455	Manifold	12 27 1
86-8740	Pin - Connecting Rod	17 24 3	94-6478	Bracket - Relay Mount	3 1 1
86-8750	Guide - Plunger	17 28 3	94-6491	Wire Harness - Main	6 20 1
86-8760	Seal	17 11 1	94-6492	Wire Harness - Front	5 21 1
86-8770	Seal	17 29 3	94-6493	Bracket - Filter	11 14 1
86-8780	Bearing - Tapered	17 23 2	94-6495	Decal - Hydroject 4000	2 13 2
86-8790	Key	17 18 1	94-6496	Strap - Connector	2 28 1
86-8790	Key	16 24 1	94-6502	Cable - Battery, Positive	6 45 1
86-8810	Crankcase	17 5 1	94-6505	Flap	2 20 1
86-8820	Rod - Plunger	17 12 3	94-6509	Spacer - Engine	7 3 1
86-8830	Stud - Head	17 1 8	94-6510	Engine	6 19 1
86-8830	Stud - Head	18 8 8	94-6512	Decal - Quick Reference	6 40 1
86-8830	Stud - Head	16 23 8	94-6513	Decal - Service	6 39 1
86-8840	Bearing Set - Split	17 14 3	94-6514	Battery Base	6 41 1
86-8850	Cover - Crankcase	17 20 1	94-6519	Strap - Tank, Long	11 10 1
86-8860	Dipstick	17 3 1	94-6520	Strap - Tank, Short	11 11 1
86-8870	Idle Pivot Assembly	16 6 1	94-6521	Felt Strip - Strap, Long	11 8 1
86-8890	Spacer - Pulley	16 19 1	94-6522	Felt Strip - Strap, Short	11 9 1
86-8900	Water Pump Crankcase Asm	16 22 1	94-6523	Strap - Hood, Side	1 16 4
86-8950	Drive Coupler Assembly	7 21 1	94-6524	Strap - Hood, Front	1 19 2
86-9060	Control - Electric	3 14 1	94-6525	Channel - Hinge, Support	1 8 1
86-9070	Seat - Valve	15 2 1	94-6526	Strap - Hood, Rear	1 5 1
92-0256	Magnet - 90#	5 18 1	94-6550	Decal - Control Box	5 19 1
92-0924	Short Block Assembly	20 1 1	94-6552	Decal - Control Box	5 22 1
92-0925	Insert - Intake Valve	20 * 2	94-6553	Hose	19 24 3
92-0926	Insert - Intake Valve	20 * 2	94-6553	Hose	11 32 2
92-0927	Insert - Intake Valve	20 * 2	94-6555	Hose	3 19 1
92-0928	Stud - Cylinder Head Btm.	21 36 8	94-6557	Guard	2 10 1
92-0929	Stud - Cylinder Head Top	21 * 4	94-6562	Shield - Splash	2 3 2
92-0932	Stud - Cylinder Head Mid.	21 * 8	94-6563	Spacer - Clutch	7 44 1
92-0934	Piston Assy. (.005 OS)	22 * 2	94-6564	Clutch Assembly	7 2 1
92-0935	Piston Assy. (.010 OS)	22 * 2	94-6565	Retainer - Clutch	7 41 1
92-0936	Piston Assy. (.020 OS)	22 * 2	94-6566	Stop - Clutch	7 5 1
92-0937	Piston Assy. (.030 OS)	22 * 2	94-6567	Clutch - Stop	7 6 1
92-0938	Pin - Piston	22 61 2	94-6569	Clutch Stop	7 9 1
92-0939	Piston Ring Set (Std.)	22 57 2	94-6583	Adapter - Fitting	18 7 1
92-0940	Piston Ring Set (.005 OS)	22 * 2	94-6584	Key - Engine	7 1 1
92-0941	Gear - Crankshaft	23 11 1	94-6586	Pulley	19 3 1
92-0942	Oil Base Assembly	25 7 1	94-6587	Pump - Water	19 1 1
92-0943	Plug - Pipe	25 12 1	94-6589	Belt	19 4 1

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94-6609	Fitting - Tee	19 11 1	237-172	Seal - O-Ring	9 15 1
94-6613	Hose	11 20 1	237-173	Seal - O-Ring	15 36 1
94-6613	Hose	19 23 1	237-178	Seal - O-Ring	15 24 1
94-6614	Hose	19 22 1	240-14	Bumper	7 8 2
94-6614	Hose	12 47 1	240-14	Bumper	6 10 1
94-6615	Hose	18 20 1	2412-4	Clamp - R	12 49 2
94-6616	Hose - Fuel	6 21 1	2412-36	Clamp - Hose	19 25 1
94-6616	Hose - Fuel Line	11 17 1	2412-36	Clamp - Hose	11 37 1
94-6623	Frame Assembly	2 16 1	2412-36	Clamp - Hose	12 46 1
94-6624	Control Panel - Top	5 2 1	2412-108	Clamp - Hose	6 29 1
94-6625	Control Panel - Base	5 1 1	2412-108	Clamp - Hose	11 31 1
94-6626	Drive Shield Assembly	7 15 1	2412-129	Clamp - Hose	19 15 6
94-6627	Solenoid	35 8 1	2412-129	Clamp - Hose	11 27 3
94-6628	Bracket - Solenoid	35 9 1	2412-133	Clamp - R	11 26 2
94-6629	Joint - Ball	35 6 1	253-148	Seal - Input Shaft	9 34 1
94-6630	Rod - Choke	35 11 1	253-168	Seal - Oil	15 20 1
94-6631	Clip - Lock	35 12 1	254-61	Cup - Bearing	9 10 3
94-6632	Bracket - Assembly, Choke	35 14 1	254-62	Cone - Bearing	9 11 3
94-6633	Screw - HH	34 3 1	254-67	Cup - Bearing	9 14 1
94-6634	Screw - HH	34 12 1	254-68	Cone - Bearing	9 13 1
94-6635	Screw - HWH	34 4 2	255-12	Ball - Check	12 33 11
94-6636	Pin - Cotter	34 15 1	255-13	Ball - Steel	15 38 1
94-6637	Grommet - Fuel Line	34 1 1	256-315	Bushing - Sleeve	15 17 1
94-6638	Solenoid - Governor	34 7 1	281-2	Plug - Hex. Hd.	25 5 1
94-6639	Cable	34 11 1	2811-7	Fitting - Breather 90°	9 35 1
94-6640	Swivel - Choke Lever	34 13 1	2812-9	Bushing - Pipe	11 28 1
94-6641	Bracket - Solenoid Mount	34 8 1	302-5	Fitting - Grease, Straight	2 1 2
94-6642	Bracket - Governor	34 17 1	304-101	Fitting - Barb	18 17 1
94-6643	Bushing - Governor Control	34 16 1	304-101	Fitting - Barb	15 32 1
94-6644	Bracket - Fuel Line	34 2 1	321-3	Screw - Cap Hex. Hd.	31 1 2
94-6645	Stud - Adjusting	33 8 1	321-3	Screw - HH	3 10 4
94-6646	Bracket - Governor, Adjust	33 7 1	321-3	Screw - HH	5 23 1
94-6647	Nut - Governor, Acorn	33 5 1	321-3	Screw - HH	19 26 4
94-6648	Nut - Hex. Governor	33 6 1	321-3	Screw - HH	2 29 3
95-2550	Bracket - Tank, Long	11 6 1	321-3	Screw - HH	7 42 1
95-2551	Bracket - Tank, Short	11 7 1	321-4	Screw - HH	19 16 2
95-2552	Strip - Felt	11 33 6	321-4	Screw - HH	16 25 2
95-2553	Decal - Filter	11 35 1	321-6	Screw - Cap Hex. Hd.	21 49 2
95-2554	Decal - Warning	2 31 2	321-8	Screw - HH	2 26 38
95-2558	Plate - Adjust, Pump	19 5 1	321-11	Screw - Cap Hex. Hd.	21 31 2
95-2565	Flap - Front	2 33 1	321-28	Screw - HH	2 6 2
95-2566	Plate - Tank Support	11 39 1	322-1	Screw - HH	6 1 2
95-2569	Valve - Relief	19 2 1	322-2	Screw - HH	19 6 2
95-2570	Hose	19 20 1	322-2	Screw - HH	12 48 2
95-2844	Coil - Ignition	31 6 1	322-3	Screw - Cap Hex. Hd.	17 10 16
95-5678	Flap - End	2 32 1	322-4	Screw - Cap Hex. Hd.	9 9 8
95-5681	Kit - Update, Coil	31 * 1	322-4	Screw - HH	11 4 8
95-5682	Dipstick Assembly	25 11 1	322-4	Screw - Hex. Hd.	6 14 4
95-5683	Housing - Blower	33 3 1	322-5	Screw - Cap Hex. Hd.	26 4 2
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95-5685	Clip	33 31 1	322-12	Screw - Cap Hex. Hd.	29 11 2
218-446	Washer - Lock	5 15 1	322-22	Screw - Mounting	36 11 2
218-447	Nut - Hex.	5 16 1	323-2	Screw - Cap Hex. Hd.	17 17 1
218-473	Boot - Toggle Switch	5 17 1	323-2	Screw - HH	7 40 1
218-578	Fuse - 10 Amp	3 17 1	323-4	Screw - Cap Hex. Hd.	13 14 2
218-594	Fuse - 20 Amp	3 21 1	323-4	Screw - HH	2 8 8
237-25	Seal - O-Ring	17 7 2	323-5	Screw - Cap Hex. Hd.	9 18 8
237-25	Seal - O-Ring	9 21 1	323-5	Screw - Cap Hex. Hd.	12 22 12
237-42	Seal - O-Ring	9 31 1	323-6	Screw - Cap Hex. Hd.	12 5 4
237-78	Seal - O-Ring	9 33 1	323-6	Screw - HH	7 7 2
237-79	Seal - O-Ring	17 4 1	323-6	Screw - HH	6 8 2
237-79	Seal - O-Ring	9 8 3	323-6	Screw - HH	16 9 1
237-81	Seal - O-Ring	9 29 1	323-9	Screw - HH	6 32 1
237-170	Seal - O-Ring	18 15 3	323-10	Screw - HH	7 12 2

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323-25	Screw - Cap Hex. Hd.	25 4 4	3290-470	Screw - Machine	1 12 2
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325-4	Screw - Cap Hex. Hd.	12 25 1	3296-19	Nut - Lock	12 21 2
325-5	Screw - Cap Hex. Hd.	12 23 1	3296-20	Nut - Lock NI	7 36 2
325-12	Screw - Cap Hex. Hd.	12 24 1	3296-25	Rivet - Pop	1 1 4
3210-8	Screw - HH	7 23 3	3296-25	Rivet - Pop	2 17 4
3210-14	Screw - HH	7 33 2	3296-28	Nut - Lock NI	16 1 1
3211-38	Screw - HH	7 34 1	3296-29	Nut - Hex. Flange	11 5 8
3213-7	Screw - HH	16 3 1	3296-29	Nut - Hex. Lock	3 7 4
3217-5	Nut - Hex.	6 13 1	3296-29	Nut - Hex. Lock	6 42 4
3217-5	Nut - Hex.	7 38 3	3296-29	Nut - Hex. Lock	12 50 2
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3219-28	Nut - Hex.	18 9 8	3296-42	Nut - Hex. Lock	2 4 34
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3234-7	Screw - HH	6 18 4	3296-42	Nut - Lock	35 10 2
3241-6	Screw - Set	19 17 1	3296-42	Nut - Lock NI	5 24 1
3247-4	Screw - Set	22 63 4	3296-49	Nut - Lock NI	11 29 1
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3253-3	Washer - Spring Lock	6 12 1	32121-42	Pin - Roll	9 24 4
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3253-4	Washer - Lock	17 22 12	32128-19	Nut - Hex. Lock	2 11 8
3253-4	Washer - Spring Lock	6 17 8	32128-21	Nut - Lock HFH	6 24 4
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3253-21	Washer - Spring Lock	6 9 2	32144-4	Screw - HH	2 2 4
3253-21	Washer - Spring Lock	16 21 1	32144-4	Screw - HWH	6 3 5
3253-21	Washer - Spring Lock	7 37 1	32144-10	Screw - HWH	35 7 4
3254-2	Washer - Lock Int. Tooth	19 7 2	32144-18	Screw - HWH	3 11 2
3254-9	Washer - Lock, Int.	5 12 4	32144-41	Screw - HWH	11 3 4
3255-9	Washer - Ext. Lock	6 27 1	32144-53	Screw - SHWH	7 45 1
3256-2	Washer - Flat	12 45 22	32144-67	Screw - HWH	7 17 2
3256-14	Washer - Flat	34 14 1	32148-9	Insert - Threaded	6 44 1
3256-16	Washer - Flat	34 18 1	32151-65	Ring - Retaining	17 25 6
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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

[illegible]

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

Litho in U.S.A.