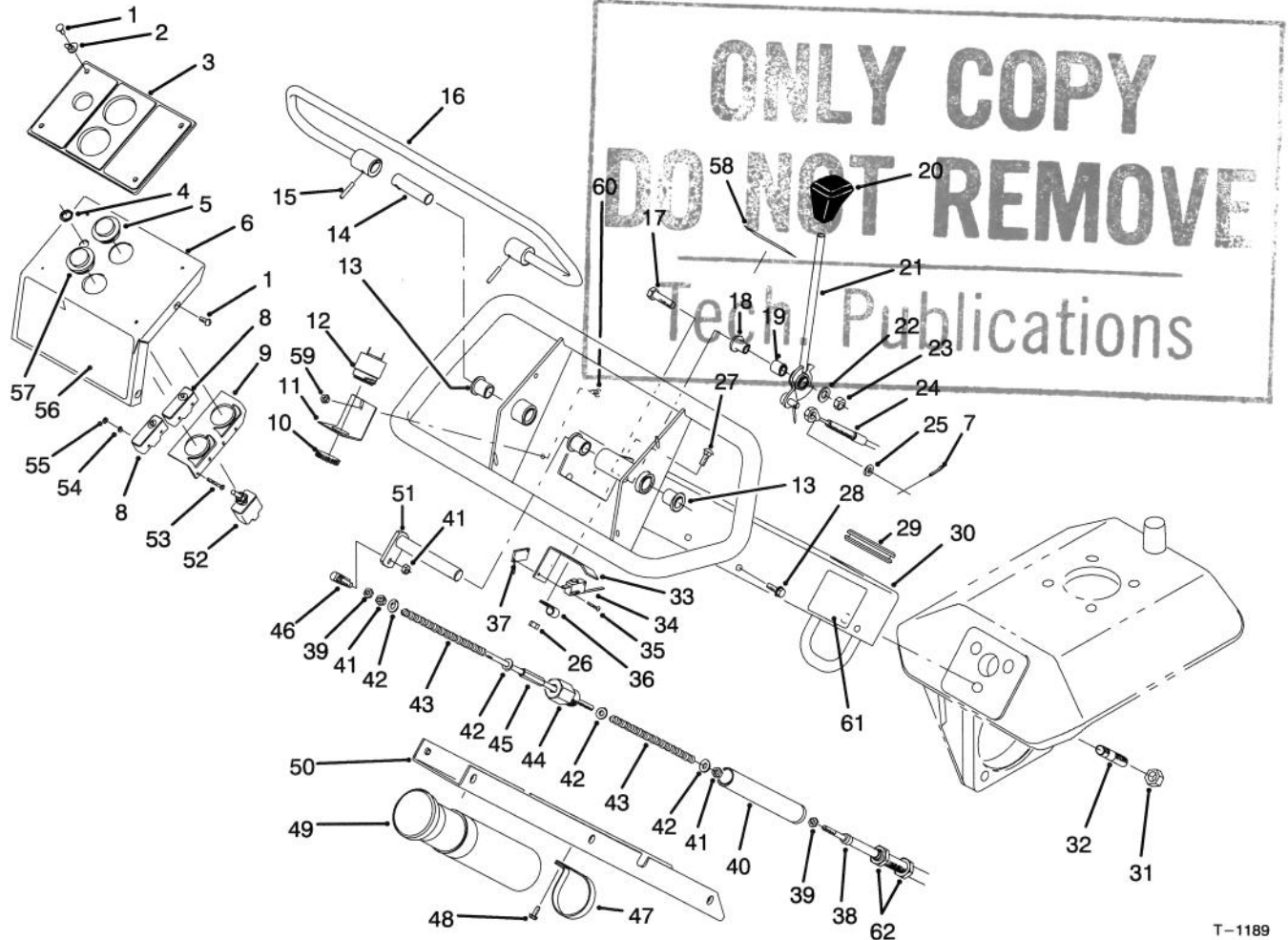




MODEL NO. 09801-40001 & UP

PARTS
CATALOG

HYDROJECT™ 3000 AERATOR



T-1189

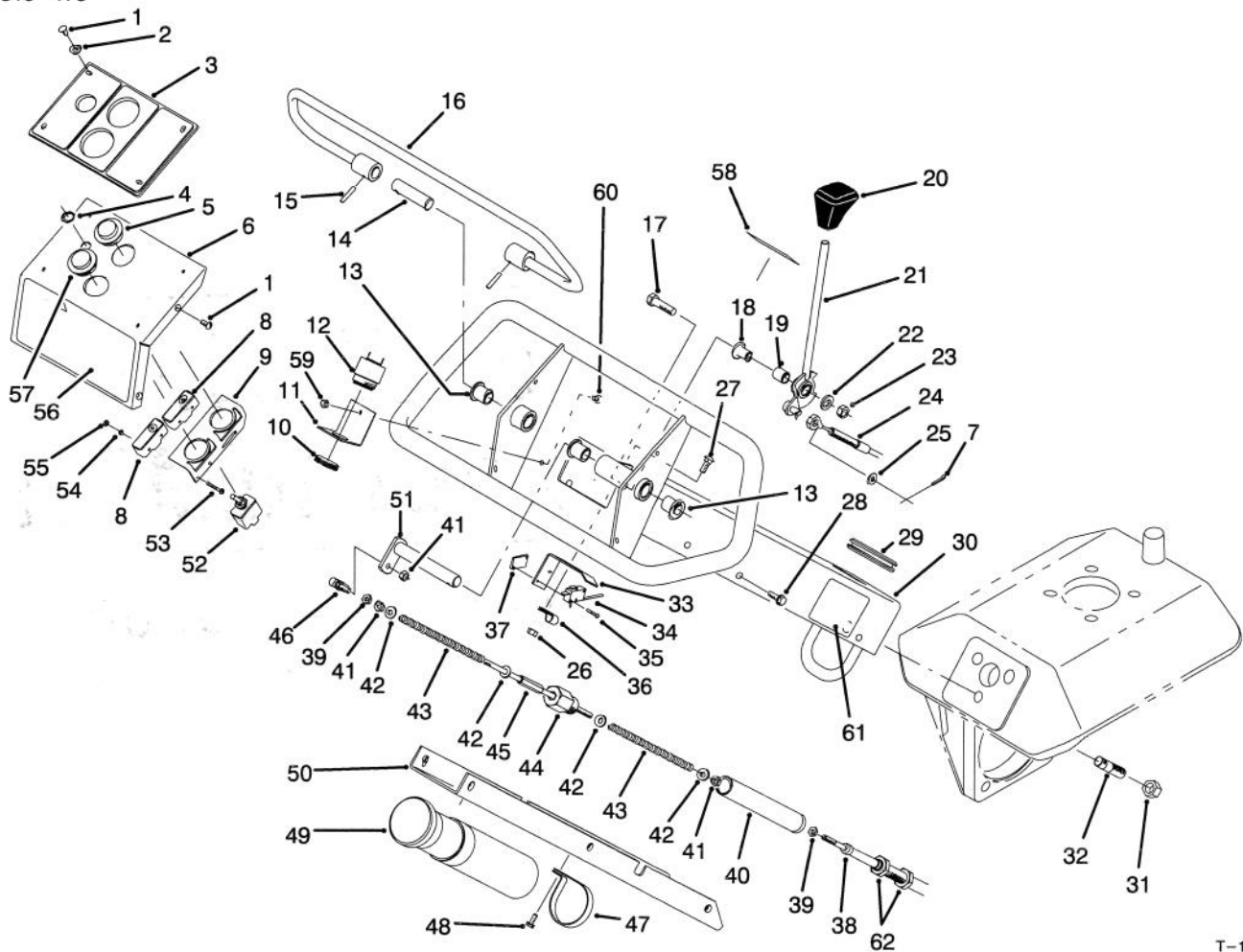
HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104-60	Screw - Hex. Washer Hd.	8
2	3256-14	Washer - Flat	4
‡3	80-9240	Panel - Control (English)	1
4	218-498	Nut - Locking	1
5	80-9290	Button - Switch (Green)	1
6	14-5199	Cover - Control (Incl. Ref. #56)	1
7	3272-10	Pin - Cotter	1
8	80-9280	Switch Assembly	2
9	80-9270	Bracket - Switch	1
10		Retainer - Alarm	1
11	80-7790	Bracket - Alarm	1
12	80-9330	Audio Alarm Assembly (Incl. Ref. #10)	1
13	256-90	Bushing - Sleeve	3
14	80-7190	Shaft - Pivot	1
15	32121-79	Pin - Roll	2

Ref. No.	Part No.	Description	No. Used
16	80-7110	Handle - Traction Control	1
17	323-29	Screw - Cap Hex. Hd.	1
18	80-7200	Spacer - Brake	1
19	256-206	Bushing - Sleeve	1
20	65-8970	Knob	1
21	86-8420	Lever - Brake	1
22	3256-24	Washer - Flat	1
23	3296-59	Nut - Lock	1
24	80-9740	Cable - Brake	1
25	3256-23	Washer - Flat	1
26	3296-42	Nut - Lock	1
27	3229-1	Bolt - Carriage	1
28	32104-95	Screw - Hex. Washer Hd.	6
29	240-12	Grommet	1
30	86-8510	Handle Assembly (Incl. Ref. #13, 32, 58 & 61)	1

‡For different language versions of this part, see International Decal Cross Reference.

TPS

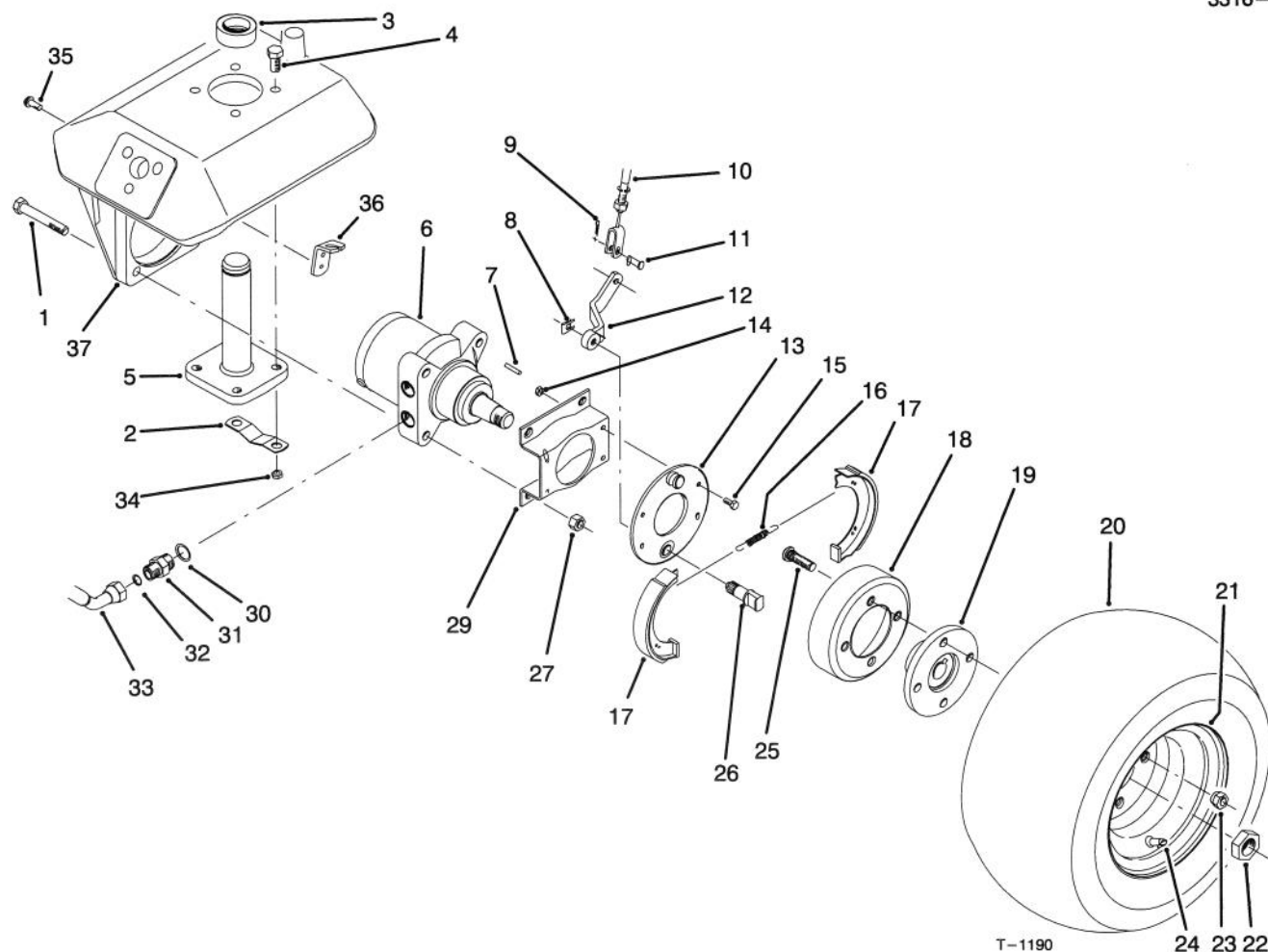


T-1189

HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
31	3296-28	Nut - Lock	3	48	32104-76	Screw - Hex. Slotted Hd.	2
32	80-8680	Stud	3	49	74-0720	Tube - Manual	1
33	80-6900	Bracket - Switch	1	50	86-8450	Cover - Lower	1
34	40-8200	Switch - Micro	1	51	80-7160	Arm - Traction	1
35	3290-313	Screw - Pan Hd.	2	52	71-4170	Switch - Toggle (Incl. Ref. #4)	1
36	2412-94	Clamp - R	1	53	3250-35	Screw	4
37	3290-354	Plate - Nut	1	54	3254-9	Washer - I.T.L.W.	4
38	80-7220	Stroke Control Cable Assy. (Incl. Ref. #62)	1	55	3217-16	Nut - Hex.	4
39	3220-1	Nut - Jam	2	‡56	80-8020	Decal - Instruction (English)	1
40	80-7080	Housing	1	57	80-9300	Button - Push (Red)	1
41	3296-3	Nut - Lock	3	‡58	80-8070	Decal - Parking Brake (English)	1
42	3256-2	Washer - Flat	4	59	3296-2	Nut - Lock	1
43	80-7150	Spring - Compression	2	60	32105-2	Screw - Hex. Flange Hd.	1
44	80-7230	Hub - Override	1	61	72-4080	Decal - Danger (English)	1
45	80-7060	Shaft - Override	1	62	3220-6	Nut - Jam	2
46	2411-34	Joint - Ball	1				
47	2412-120	Clamp - R	2				

‡For different language versions of this part, see International Decal Cross Reference.

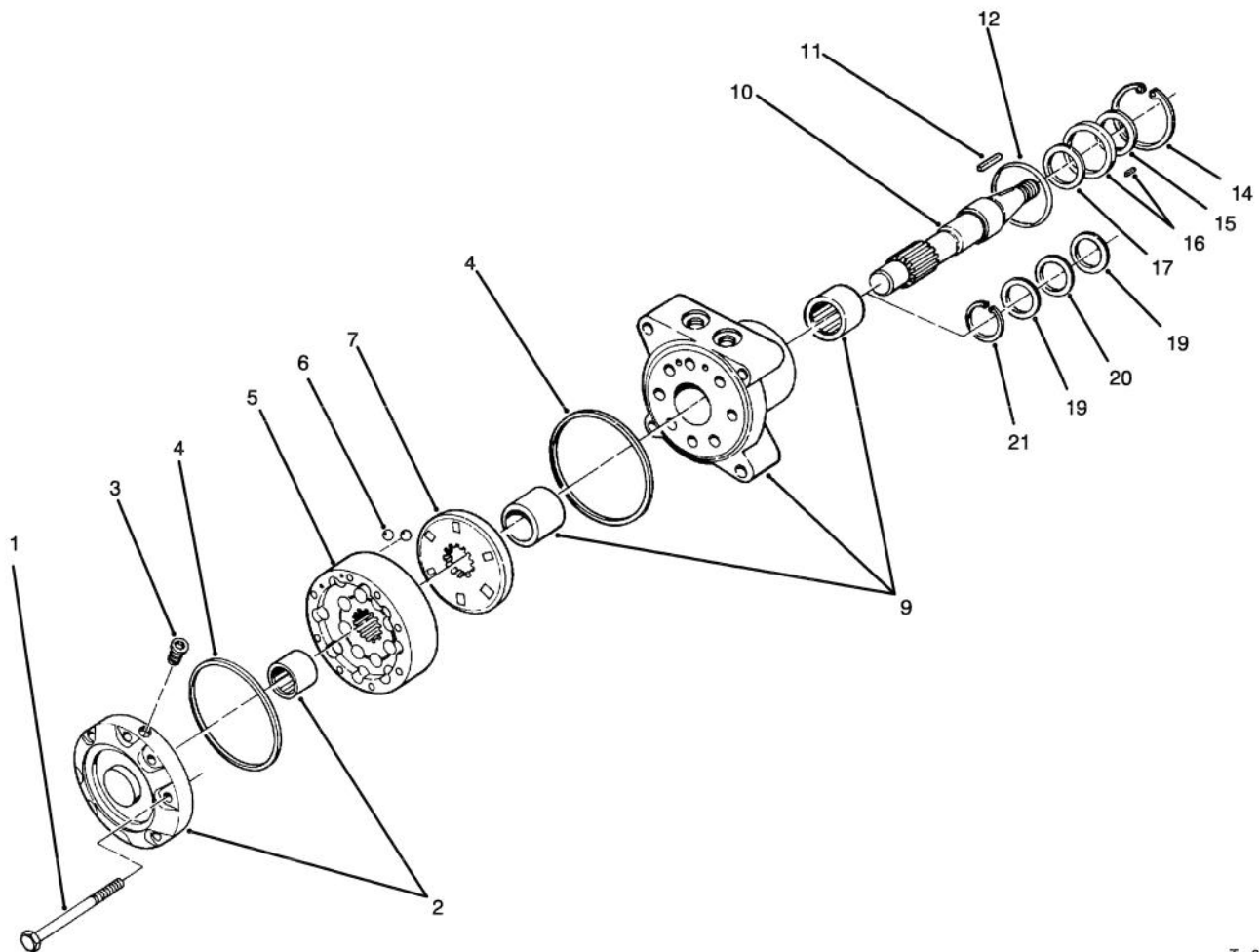


FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	325-14	Screw - Cap Hex. Hd.	4	22	26-3790	Nut - Spindle	1
2	80-9730	Guide - Cable	1	23	242-50	Nut - Lug	4
3	86-8600	Spacer - Steering	1	24	232-27	Stem - Valve	1
4	325-6	Screw - Cap Hex. Hd.	4	25	10-6830	Stud - Drive	4
5	80-9790	Shaft - Steering Pivot	1	26	70-9860	Pivot - Brake	1
6	66-5293	Motor - Hydraulic (Incl. Ref. #7)	1	27	3296-23	Nut - Lock	4
7	65-4640	Key - Square	1	29	84-2000	Bracket - Brake Plate	1
8	70-9850	Clip - Retaining	1	30	237-80	Seal - O-Ring	2
9	3272-10	Pin - Cotter	1	31	340-6	Fitting - Hydraulic St. (Incl. Ref. #30 & 32)	2
10	80-9740	Cable - Brake	1	32	237-30	Seal - O-Ring	2
11	283-62	Pin - Clevis	1	33	80-7370	Hose - Hydraulic	2
12	80-7400	Lever - Brake	1	34	3296-45	Nut - Lock	2
13	70-9870	Plate - Brake	1	35	32144-22	Screw - Hex. Washer Hd.	2
14	3296-42	Nut - Lock	4	36	86-8290	Support - Cable	1
15	321-4	Screw - Cap Hex. Hd.	4	37	86-8270	Arm - Steering	1
16	70-9880	Spring - Brake	2	*	71-1500	Brake Assembly (Incl. Ref. #8, 13, 16, 17 & 26)	1
17	70-9840	Shoe - Brake	2				
18	10-6850	Drum - Brake	1				
19	10-6870	Hub - Wheel	1				
20	28-3680	Tire	1				
21	217-60	Rim - Wheel	1				

*Not Illustrated

‡For different language versions of this part, see International Decal Cross Reference.



T-0274

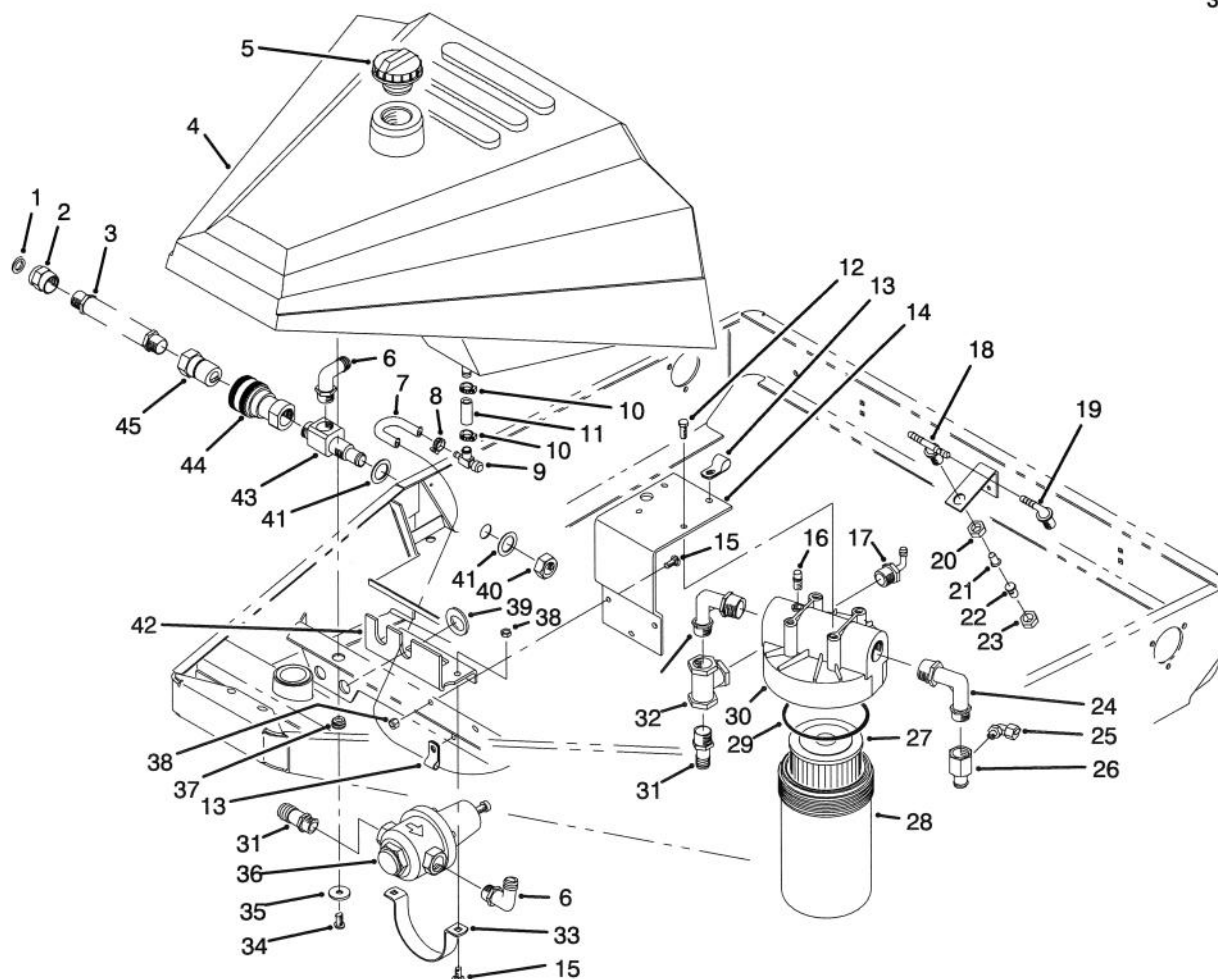
HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 66-5293

Ref. No.	Part No.	Description	No. Used
1	80-5480	Screw - Cap Hex. Hd.	8
2	80-5470	Cover & Bearing Assembly	1
3	65-4560	Plug - Hex. Hollow	1
4	65-4570	Seal - Square Ring	2
5	80-5490	IGR Assembly	1
6	65-4550	Valve - Check Ball	2
7	80-9840	Plate - Valve	1
9	80-5460	Body & Bearing Assembly	1
10	80-5500	Shaft	1
11	3257-15	Key - Woodruff	1
12	65-4620	Seal - O-Ring	1

Ref. No.	Part No.	Description	No. Used
14	65-4500	Seal - Snap Ring	1
†15		Seal - Dust	1
†16		Retainer - Pin	1
†17		Seal - Lip	1
19	65-4600	Washer - Thrust	2
20	65-4610	Bearing - Thrust	1
21	70-8170	Ring - Snap	1
*	76-2350	Seal & Retainer Assembly (Incl. Ref. #15-17)	1
*	76-2360	Body Seal Kit (Incl. Ref. #4, 12 & 15-17)	1

*Not Illustrated

†Not available from Toro as a replacement part.



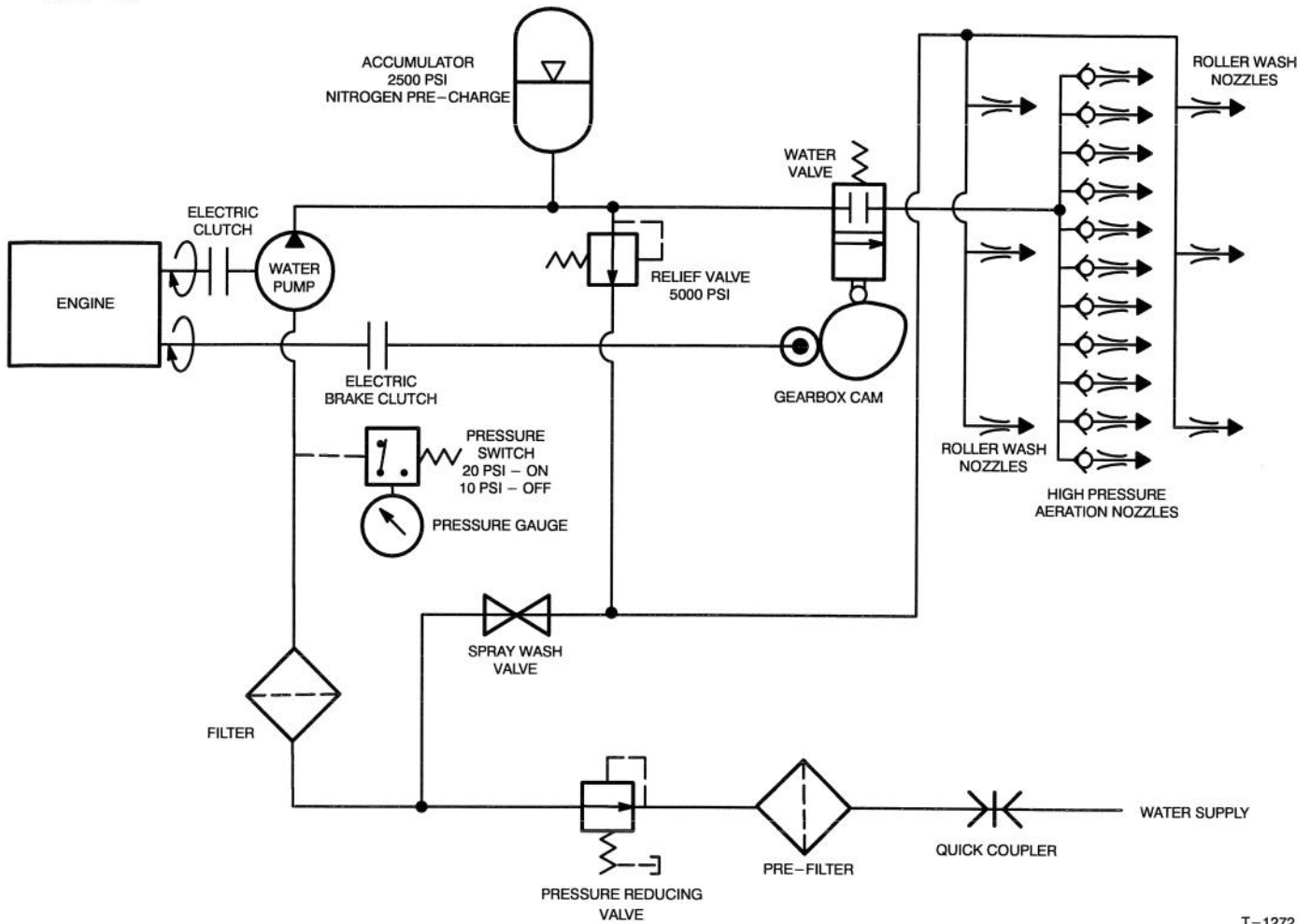
T-1196

FUEL TANK & WATER INLET ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290-494	Washer - Rubber	1
2	354-109	Fitting - Adaptor	1
3	80-6740	Hose - Water	1
4	14-4189	Tank - Fuel	1
5	70-8631	Cap - Fuel	1
6	354-100	Fitting - 90° Elbow	2
7	56-2241	Hose - Fuel	1
8	2412-108	Clamp - Hose	1
9	56-2520	Valve - Fuel Shut-Off	1
10	2412-36	Clamp - Hose	2
11	56-2230	Hose - Fuel	1
12	32144-41	Screw - Cap Hex. Hd.	4
13	2412-41	Clamp - R	2
14	80-8610	Bracket - Filter	1
15	3230-1	Bolt - Carriage	5
16	80-8940	Valve - Bleed	1
17	354-106	Fitting - 90° Elbow	1
18	355-1	Fitting - Tee (Incl. Ref. #20)	4
19	355-2	Fitting - 90° Elbow (Incl. Ref. #20)	2
20		Nut - Hex.	6
21	355-5	Strainer	6
22	355-6	Nozzle	6
23	355-4	Cap	2

Ref. No.	Part No.	Description	No. Used
24	354-114	Fitting - 90° Elbow	1
25	354-101	Fitting - 90° Elbow	1
26	86-8640	Fitting - Adapter	1
27	86-8630	Element - Water Filter	1
28	80-8930	Sump - Water Filter	1
29	92-9543	Seal - O-Ring	1
30	80-9600	Head - Water Filter	1
31	354-98	Fitting - Straight	2
32	354-133	Fitting - Tee	1
33	92-9538	Strap - Regulator	1
34	323-5	Screw - Cap Hex. Hd.	4
35	63-8410	Washer	4
36	86-9170	Regulator Valve Assembly	1
37	240-11	Grommet	4
38	3296-29	Nut - Lock	5
39	3256-29	Washer - Flat	2
40	3296-49	Nut - Lock	2
41	3256-42	Washer - Flat	2
42	92-9537	Bracket - Regulator	1
43	86-9160	Adapter - Bulkhead	1
44	354-88	Coupler - Female	1
45	354-89	Coupler - Male	1
*	80-8600	Water Filter Assembly (Incl. Ref. #28-30 & 16)	1
*	80-9510	Wrench - Water Filter	1

*Not Illustrated

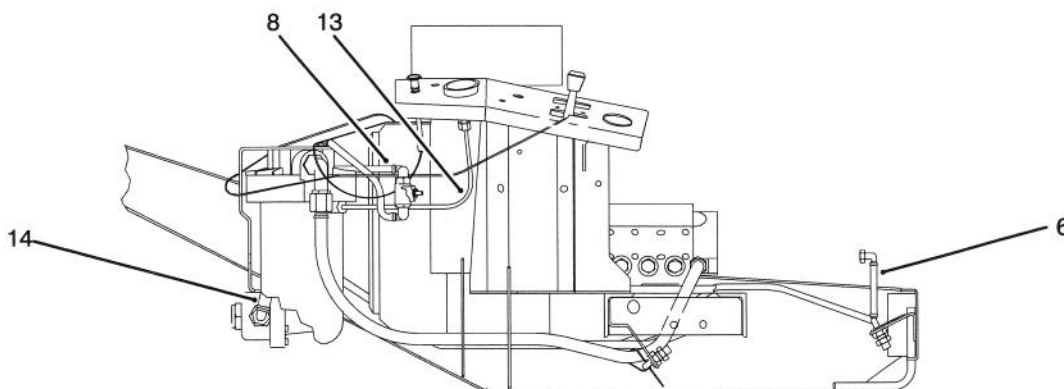
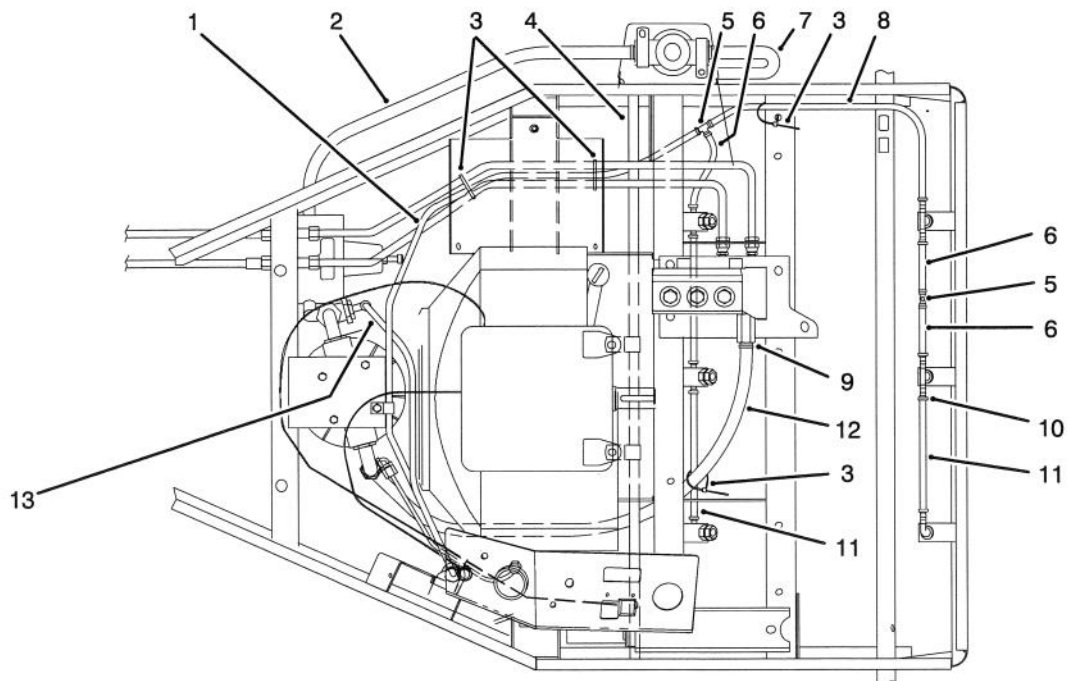


T-1272

WATER SYSTEM SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

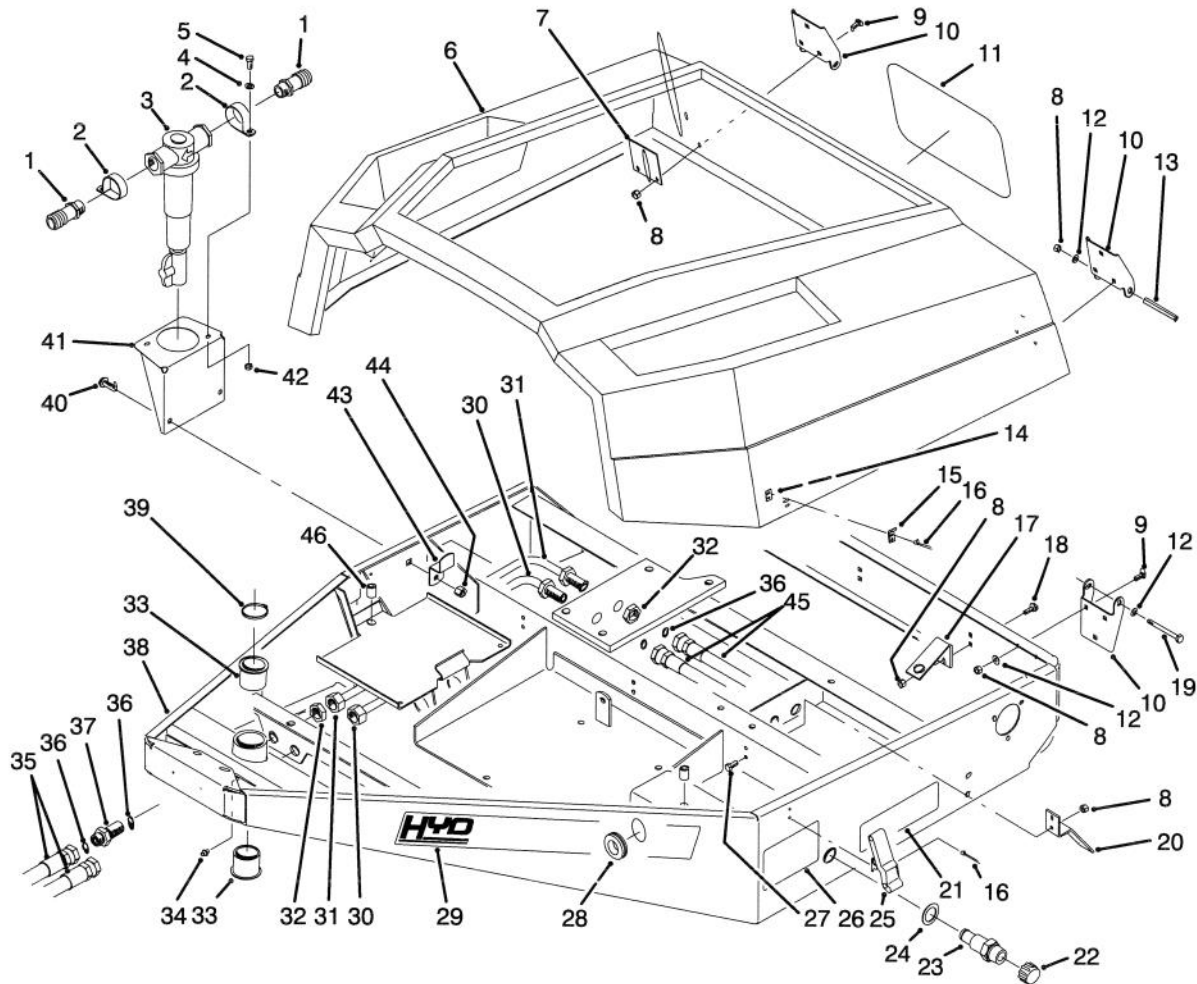


T-1275

WATER SYSTEM HOSE ROUTING DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	80-7344	Hose - Water	1
2	80-6512	Hose - Water	1
3	3290-378	Tie - Cable	4
4	80-6516	Hose - Water	1
5	354-107	Fitting - Tee	2
6	80-7341	Hose - Water	4
7	80-6515	Hose - Water	1

Ref. No.	Part No.	Description	No. Used
8	80-7346	Hose - Water	2
9	2412-129	Clamp - Hose 3/4"	8
10	2412-108	Clamp - Hose 3/8"	20
11	80-7340	Hose - Water	3
12	80-6517	Hose - Water	1
13	80-6520	Hose - Water	1
14	80-6514	Hose - Water	1

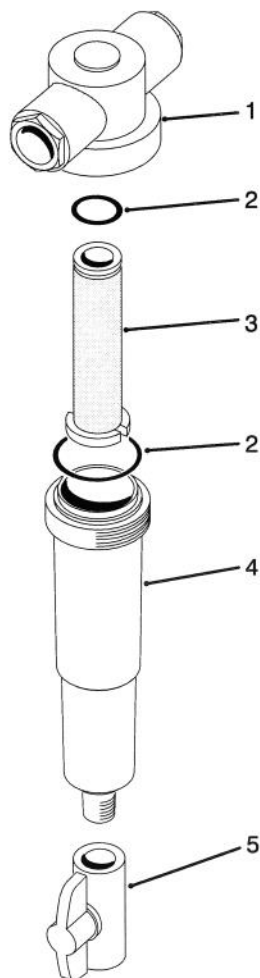


T-1197

FRAME & COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	354-98	Fitting - Adapter	2	‡26	92-9542	Decal - Filter (English)	2
2	2412-147	Clamp - R	2	27	321-4	Screw - Cap Hex. Hd.	6
3	86-9100	Pre-Filter Assembly	1	28	240-3	Grommet	2
4	3256-23	Washer - Flat	2	29	80-8050	Decal - Hydroject 3000	2
5	322-3	Screw - Cap Hex. Hd.	2	30	80-6640	Tube - Hydraulic (Incl. Ref. #36)	1
6	14-4179	Hood	1	31	80-6630	Tube - Hydraulic (Incl. Ref. #36)	1
7	80-9090	Plate - Back-Up	2	32	340-127	Nut - Bulkhead	4
8	3296-42	Nut - Lock	26	33	256-245	Bushing - Flange	2
9	3229-1	Bolt - Carriage	12	34	302-5	Fitting - Grease	1
10	80-9080	Plate - Hinge	4	35	80-7370	Hose - Hydraulic	2
11	67-7310	Decal - TORO	1	36	237-30	Seal - O-Ring	6
12	3256-22	Washer - Flat	10	37	340-161	Fitting - Hydraulic Bulkhead (Incl. Ref. #36)	2
13	80-9310	Spacer - Hinge	2	38	86-8910	Frame Assembly (Incl. Ref. #21, 26, 29, 33 & 46)	1
14	80-9260	Plate - Back-Up	2	39	32151-44	Ring - Retaining	1
15		Keeper - Latch	2	40	3234-24	Screw - Hex. Flange Hd.	2
16	3269-25	Rivet - Pop	8	41	86-9090	Bracket - Filter	1
17	80-9050	Bracket - Nozzle Rear	3	42	3296-29	Nut - Lock	2
18	3234-4	Screw - Hex. Washer Hd.	6	43	80-8580	Guard - Belt	1
19	321-28	Screw - Cap Hex. Hd.	2	44	3296-39	Nut - Lock	2
20	80-9060	Bracket - Nozzle Front	3	45	80-7330	Hose - Hydraulic	2
‡21	80-8090	Decal - Warning (English)	3	46	32148-9	Nut - Insert	3
22	354-113	Cap - Pipe	1				
23	80-9500	Adapter - Bulkhead	1				
24	3256-24	Washer - Flat	2				
25	80-6980	Latch Assembly (Incl. Ref. #15)	2				

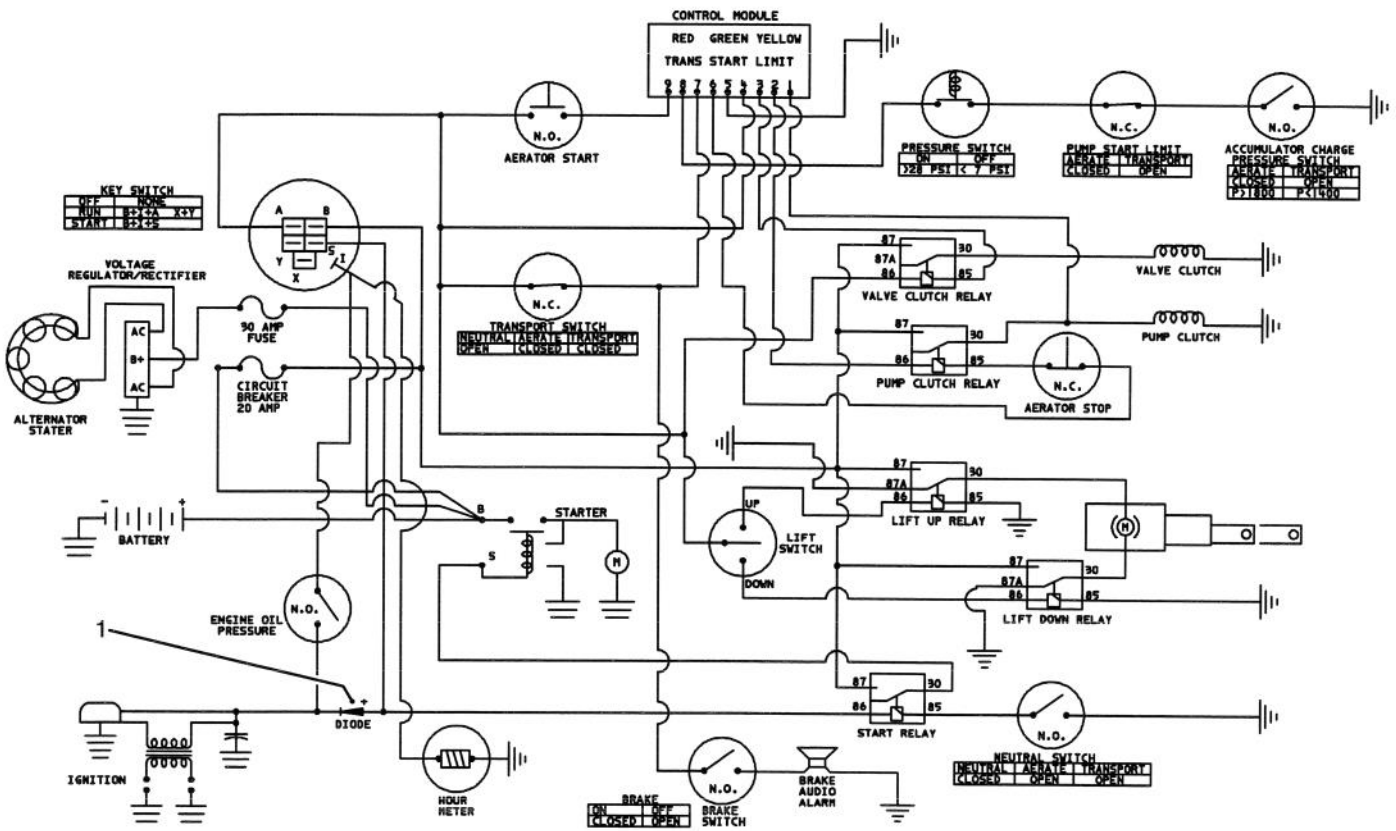
‡For different language versions of this part, see International Decal Cross Reference.



T-1916

PRE-FILTER ASSEMBLY NO. 86-9100

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9110	Head	1	4	86-9120	Trapper - Sediment	1
2	86-9150	Kit - O-Ring Seal	1	5	86-9130	Valve - Flush	1
3	86-9140	Screen - 100 Mesh	1				



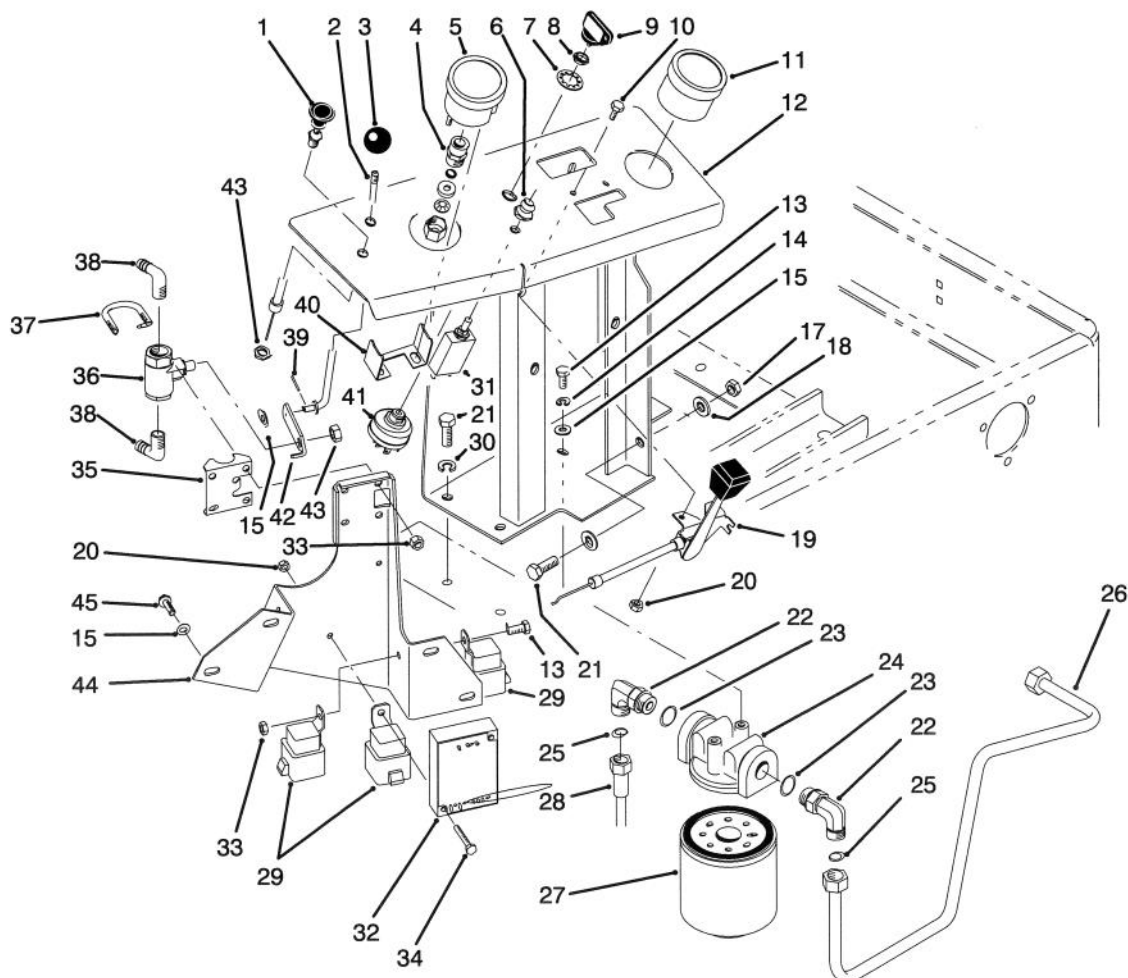
T-1237

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	67-7130	Diode (Install Red Marking toward positive)	1
*	86-8940	Wire Harness - Main	1

Ref. No.	Part No.	Description	No. Used
*	86-8920	Wire Harness - Tiller	1
*	86-8930	Wire Harness - Control Panel	1
*	3290-378	Tie - Cable	5

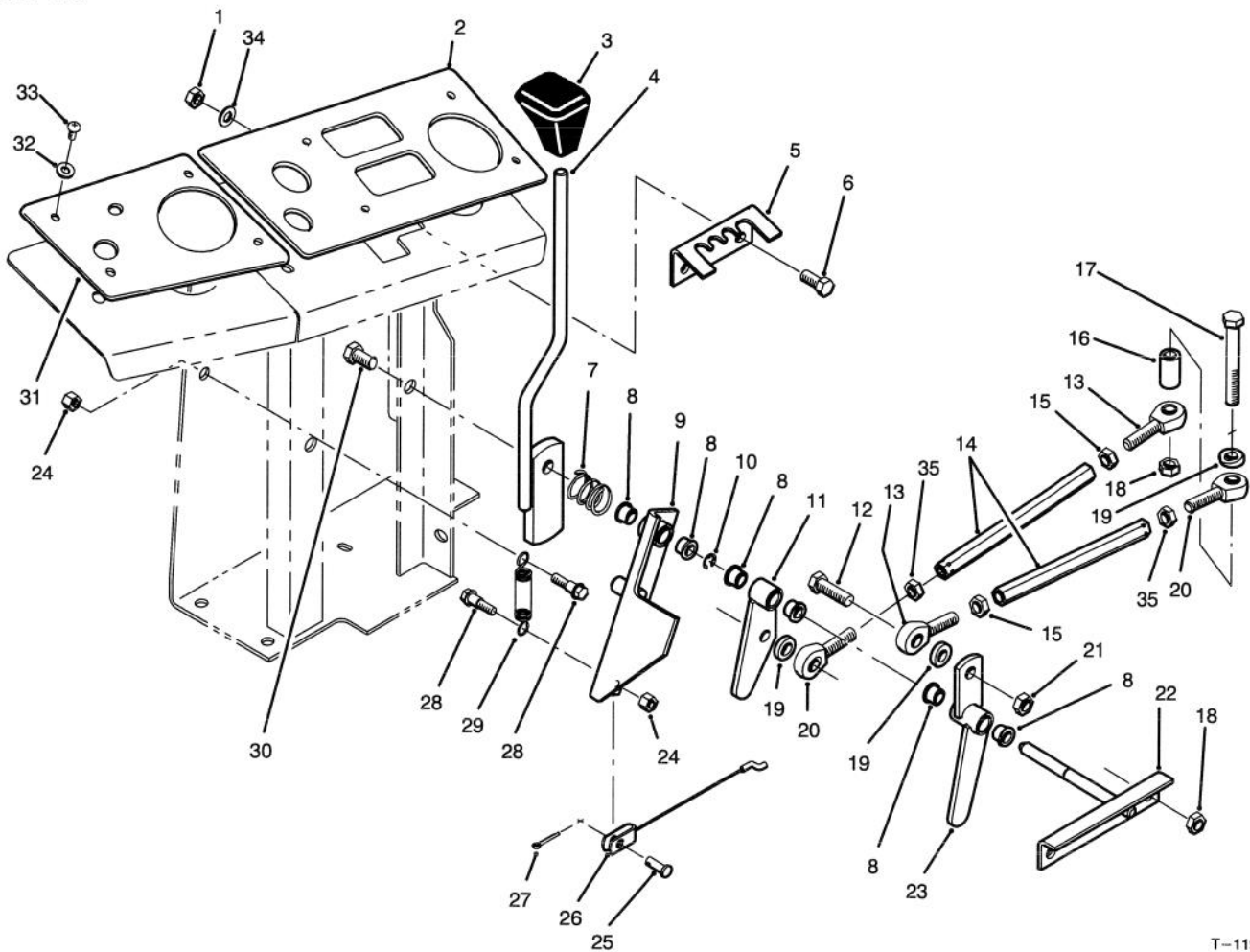
*Not Illustrated



T-1203

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-7270	Choke Control Assembly (Incl. Ref. #43)	1	24	86-9080	Head - Oil Filter	1
2	80-8280	Rod - Control	1	25	237-30	Seal - O-Ring	2
3	233-17	Knob	1	26	80-9830	Tube - Hydraulic	1
4	354-102	Hydraulic Fitting Assembly (Complete)	1	27	67-8110	Element - Oil Filter	1
5	80-5640	Gauge - Pressure (Incl. Ref. #40)	1	28	80-7350	Hose - Hydraulic	1
6	80-7660	Seal - Button	1	29	70-1480	Relay	5
7	218-447	Washer - Lock	1	30	3253-21	Washer - Lock	2
8	218-446	Nut - Lock	1	31	80-7310	Breaker - Circuit (Incl. Ref. #6)	1
9	63-8360	Key - Ignition	1	32	86-9060	Control - Electric	1
10	32105-2	Screw - Cap Hex. Hd.	2	33	3296-42	Nut - Lock	6
11	66-2950	Hourmeter	1	34	32105-5	Screw - Cap Hex. Hd.	2
12	80-7900	Panel - Control	1	35	80-8890	Mount - Valve	1
13	321-3	Screw - Cap Hex. Hd.	4	36	14-5259	Valve Assembly (Incl. Ref. #42 & 43)	1
14	3253-3	Washer - Lock	2	37	80-7880	Bolt - U	2
15	3256-22	Washer - Flat	7	38	354-93	Fitting - 90° Elbow	2
17	3296-39	Nut - Lock	1	39	3272-2	Pin - Cotter	1
18	3256-24	Washer - Flat	2	40		Clamp - Gauge	1
19	80-8440	Control - Throttle	1	41	27-2360	Switch - Ignition (Incl. Ref. #7 & 8)	1
20	3296-2	Nut - Lock	4	42	80-9580	Lever - Valve	1
21	323-6	Screw - Cap Hex. Hd.	3	43	3220-2	Nut - Lock	2
22	340-98	Fitting - Hydraulic 90° (Incl. Ref. #23 & 25)	2	44	80-9550	Bracket - Relay	1
23	237-79	Seal - O-Ring	2	45	32104-95	Screw - Hex. Flange Hd.	4



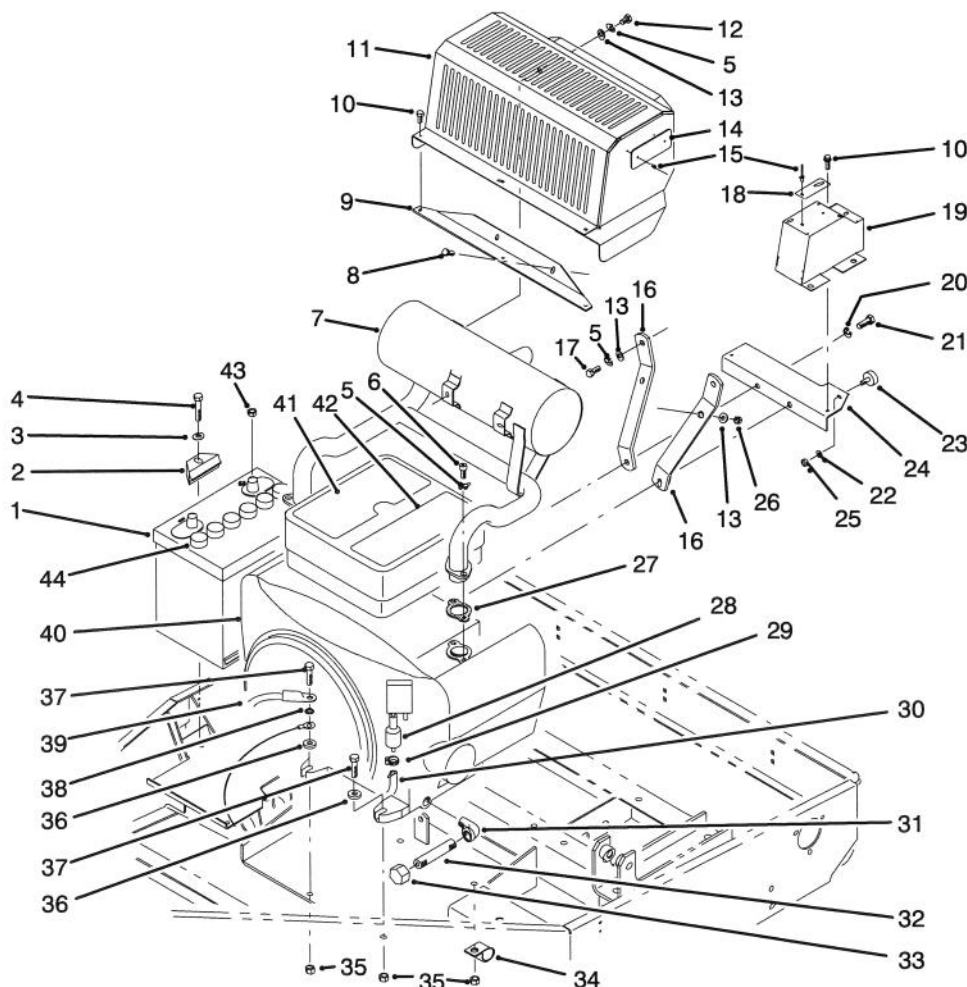
T-1193

CONTROL LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-29	Nut - Lock	2
‡2	80-8110	Panel - Engine Control (English)	1
3	65-8970	Knob	1
4	80-8400	Lever - Speed Control	1
5	80-7670	Plate - Speed Control	1
6	322-3	Screw - Cap Hex. Hd.	2
7	80-7890	Spring - Compression	1
8	256-116	Bushing - Flange	6
9	80-7540	Stop - Speed	1
10	32151-47	Ring - Retaining	1
11	80-7000	Arm - Pivot	1
12	323-7	Screw - Cap Hex. Hd.	2
13	2411-51	Eye - Rod R.H. Thread	2
14	80-7580	Rod - Speed Adjustment	2
15	3220-3	Nut - Jam	2
16	80-7590	Spacer	1
17	323-14	Screw - Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
18	3296-39	Nut - Lock	3
19	80-7730	Spacer	3
20	2411-50	Eye - Rod L.H. Thread	2
21	3296-59	Nut - Lock	2
22	80-7600	Pin - Pivot	1
23	80-7830	Arm - Pivot	1
24	3296-56	Nut - Lock	2
25	283-67	Pin - Clevis	1
26	80-8430	Cable - Speed Control	1
27	3272-4	Pin - Cotter	1
28	42-3560	Bolt - Shoulder	2
29	66-4160	Spring - Extension	1
30	323-4	Screw - Cap Hex. Hd.	2
‡31	80-8150	Panel - Control (English)	1
32	3256-14	Washer - Flat	8
33	32104-60	Screw - Hex. Washer Hd.	8
34	3256-23	Washer - Flat	2
35	3219-20	Nut - Hex. (L.H. Thread)	2

‡For different language versions of this part, see International Decal Cross Reference.



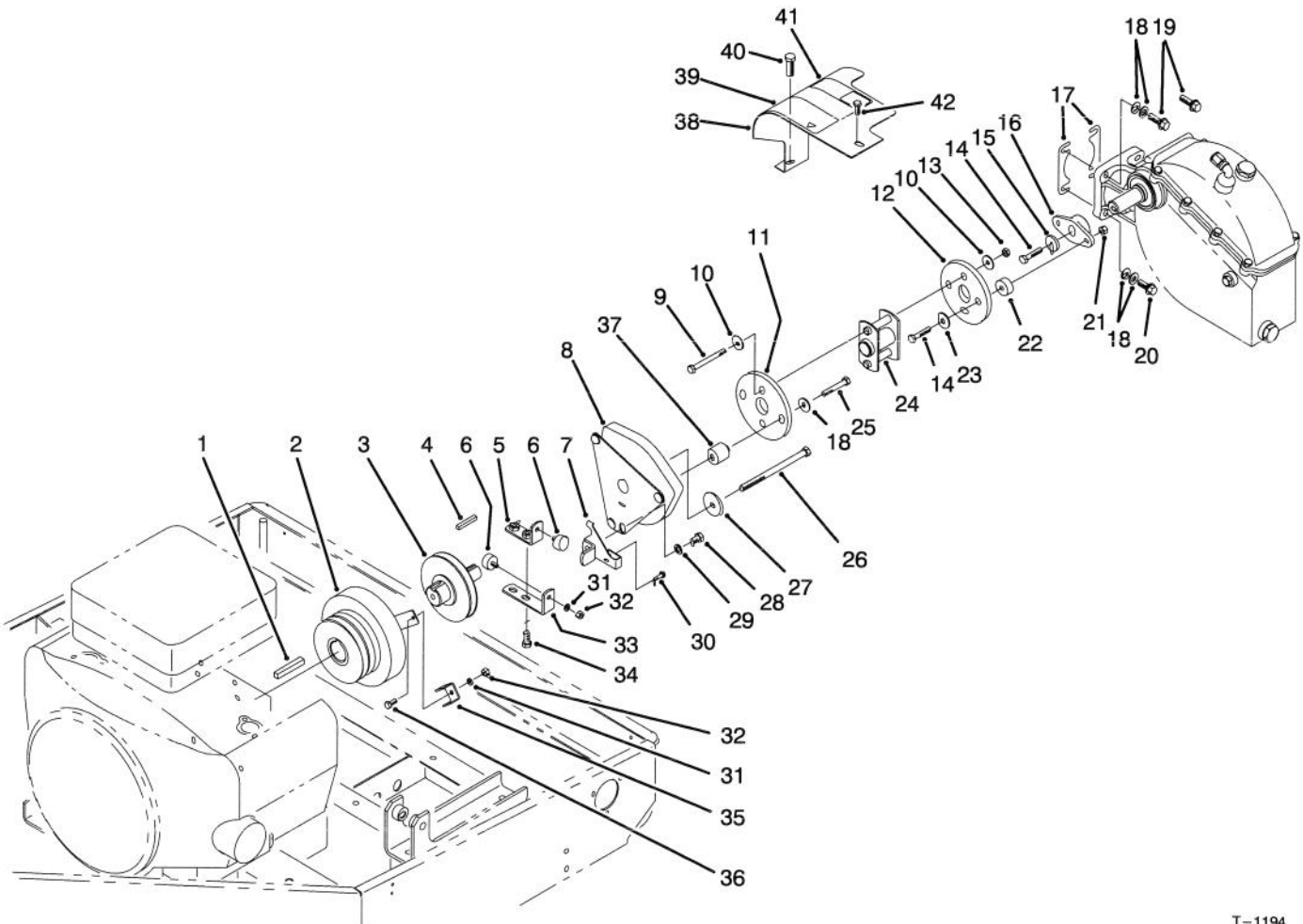
T-1192

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-6791	Battery	1	22	3253-3	Washer - Lock	1
2	66-2490	Clamp - Battery	1	23	240-14	Bumper - Rubber	1
3	3256-24	Washer - Flat	3	24	80-7700	Bracket - Support	1
4	323-9	Screw - Cap Hex. Hd.	1	25	3217-5	Nut	1
5	3253-4	Washer - Lock	8	26	32152-1	Nut - Lock	2
6	3274-10	Screw - Hex. Socket Hd.	4	27	82-1520	Gasket - Muffler	2
7	80-5650	Muffler	1	28	71-5960	Filter - Fuel	1
8	322-4	Screw - Cap Hex. Hd.	2	29	2412-108	Clamp - Hose	1
9	80-9150	Support - Muffler Shield	1	30	56-2241	Hose - Fuel	1
10	32144-114	Screw - Cap Hex. Hd.	5	31	2811-10	Fitting - Drain 90°	1
11	14-5229	Guard - Muffler (Incl. Ref. #14 & 15)	1	32	289-48	Nipple - Drain	1
12	322-1	Screw - Cap Hex. Hd.	2	33	288-4	Cap - Drain	1
13	3256-23	Washer - Flat	6	34	2412-71	Clamp - R	2
†14	80-8290	Plate - Hot Surface (English)	3	35	32128-21	Nut - Flange Lock	4
15	3269-32	Rivet - Pop	10	36	52-5980	Spacer	2
16	80-7680	Support - Muffler	2	37	323-19	Screw - Cap Hex. Hd.	4
17	322-3	Screw - Cap Hex. Hd.	2	38	3255-9	Washer - E.T.L.W.	1
†18	80-9350	Plate - Hot Surface (English)	2	39	86-8470	Cable - Battery (Neg.)	1
19	14-5239	Guard - Muffler L.H. (Incl. Ref. #15 & 18)	1	*	86-8480	Cable - Battery (Pos.)	1
*	14-5249	Guard - Muffler R.H. (Incl. Ref. #15 & 18)	1	40	86-8990	Engine Assembly Model No. P224G Spec. E (Incl. Ref. #28)	1
20	3253-21	Washer - Lock	2	41	80-9940	Decal - Service Check	1
21	323-6	Screw - Cap Hex. Hd.	2	42	80-9950	Decal - Quick Reference	1
				43	32149-10	Nut - Lock	2
				44	86-8460	Cap - Battery	6

*Not Illustrated

†For different language versions of this part, see International Decal Cross Reference.



T-1194

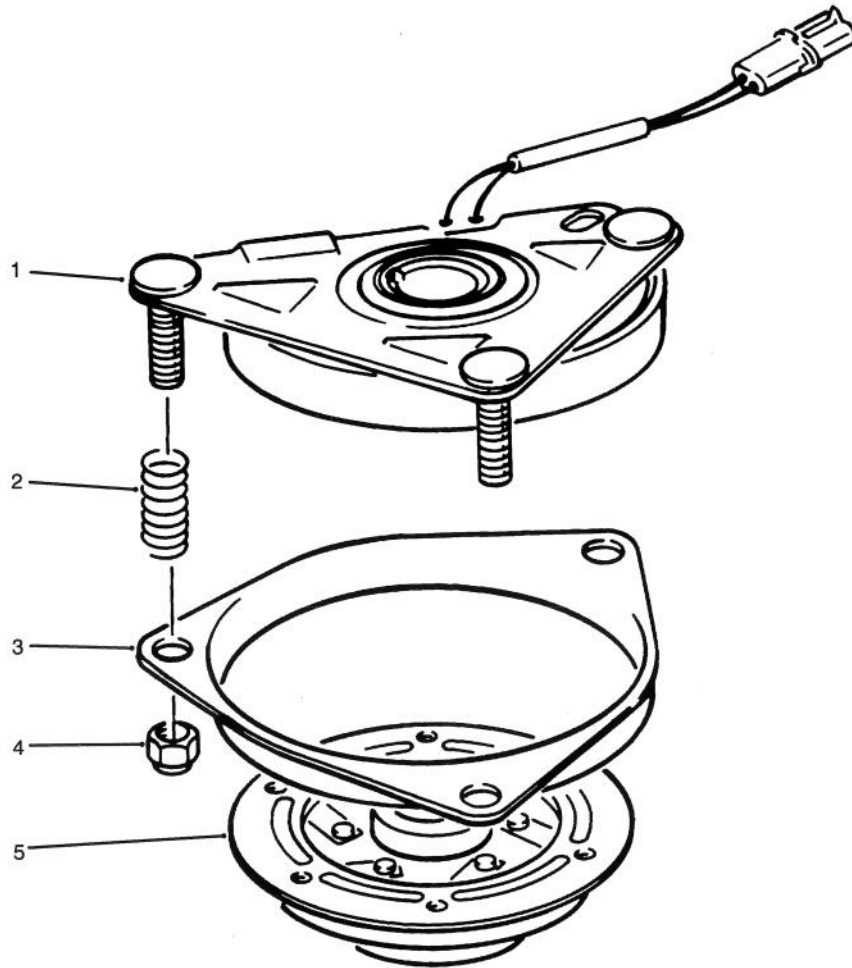
GEAR BOX DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-6140	Key - Clutch	1
2	80-5430	Clutch - Water Pump	1
3	80-9520	Pulley - Engine	1
4	7-0238	Key - Clutch	1
5	80-9760	Stop - Clutch	1
6	240-14	Bumper	2
7	86-8650	Stop - Clutch	1
8	86-8160	Electric Clutch Assembly	1
9	3210-13	Screw - Cap Hex. Hd.	2
10	3256-23	Washer - Flat	4
11	80-9910	Disc - Rubber	1
12	80-8650	Disc - Rubber	1
13	3296-20	Nut - Lock	2
14	3210-8	Screw - Cap Hex. Hd.	3
15	80-8570	Washer	1
16	80-8180	Hub - Adapter	1
17	80-7050	Shim - Gear Box .002" Red	2
*	80-7051	Shim - Gear Box .005" Blue	2
*	80-7052	Shim - Gear Box .015" Pink	2
*	80-7053	Shim - Gear Box .020 Yellow	2
18	3256-24	Washer - Flat	10

Ref. No.	Part No.	Description	No. Used
19	3234-24	Screw - Hex. Washer Hd.	2
20	3234-11	Screw - Hex. Washer Hd.	2
21	32152-5	Nut - Lock	2
22	80-8660	Spacer - Coupling	2
23	80-8620	Spacer - Coupler	2
24	86-8950	Shaft - Coupler	1
25	322-4	Screw - Cap Hex. Hd.	2
26	3211-38	Screw - Cap Hex. Hd.	1
27	80-8560	Washer	1
28	323-2	Screw - Cap Hex. Hd.	1
29	3253-21	Washer - Lock	1
30	32144-53	Screw - Hex. Socket Hd.	1
31	3253-3	Washer - Lock	3
32	3217-5	Nut - Lock	3
33	80-9780	Stop - Clutch	1
34	323-6	Screw - Cap Hex. Hd.	2
35	86-8680	Bracket - Clutch Retainer	2
36	321-3	Screw - Cap Hex. Hd.	1
37	80-9920	Spacer - Coupler	2
38	14-5169	Shield - Drive (Incl. Ref. #39 & 41)	1
‡39	80-8000	Decal - Warning (English)	1
40	32144-67	Screw - Hex. Washer Hd.	1
‡41	80-8040	Decal - Warning (English)	1
42	32104-95	Screw - Hex. Washer Hd.	1

*Not Illustrated

‡For different language versions of this part, see International Decal Cross Reference.

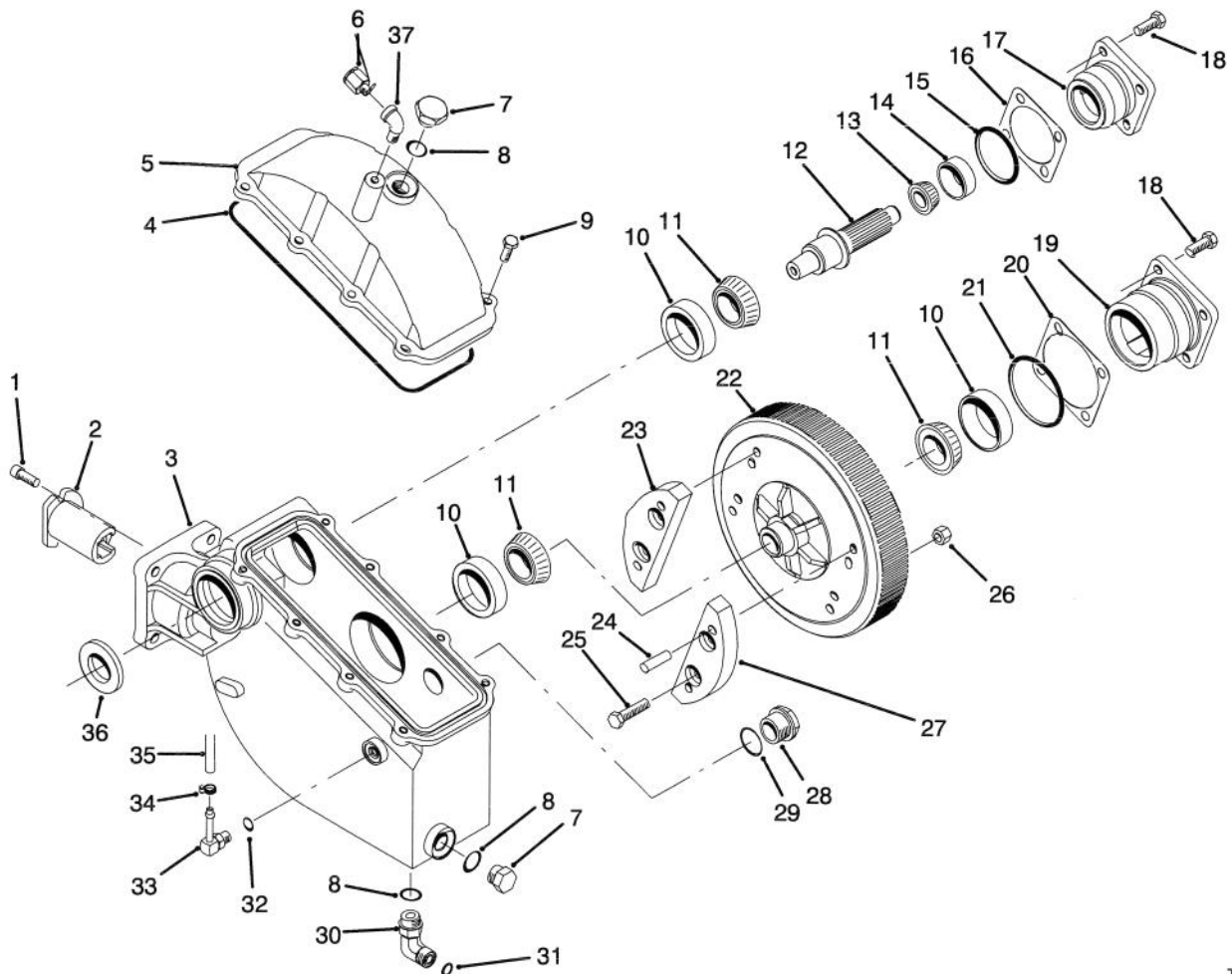


T-1274

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



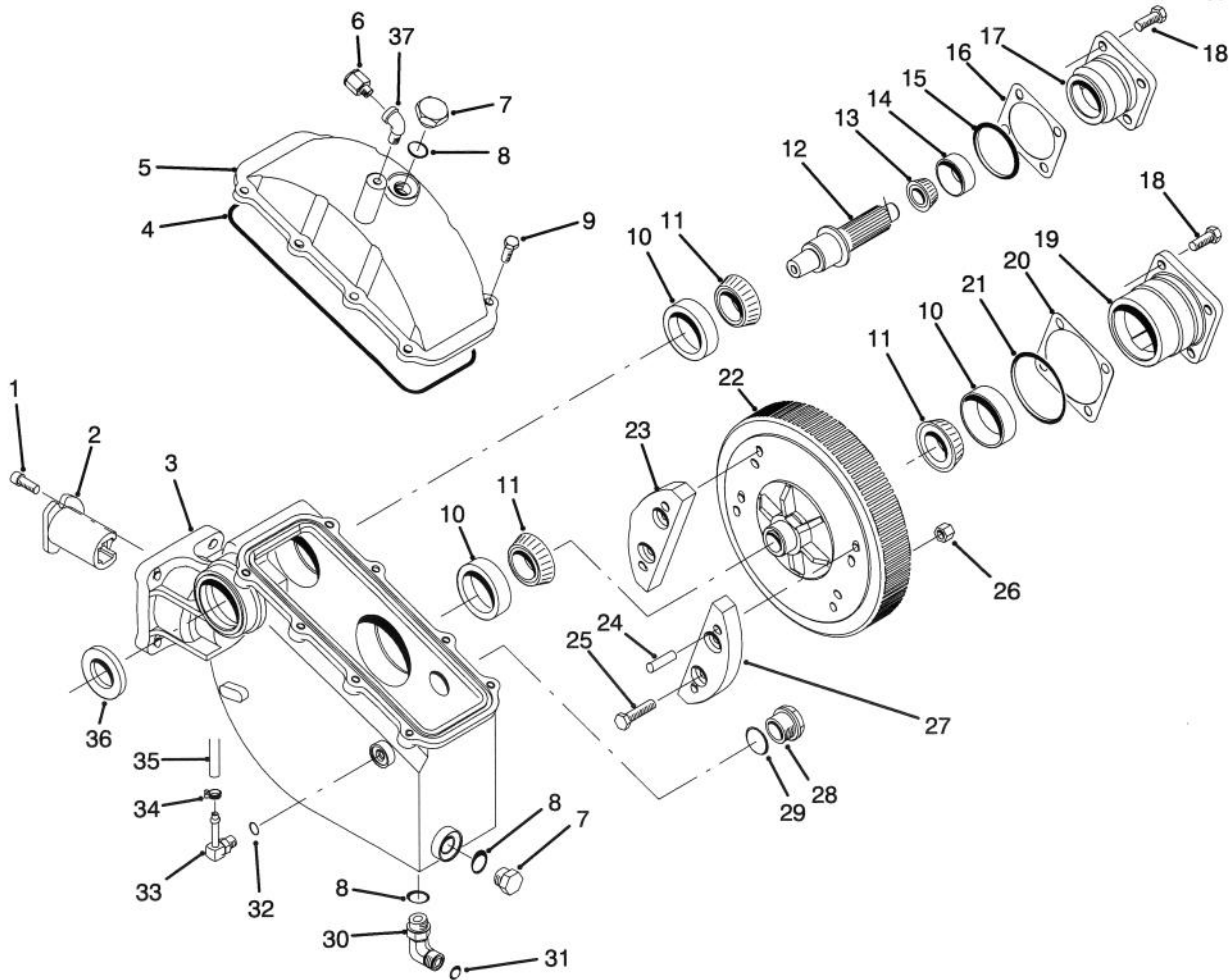
T-1199

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	340-98	Fitting - Hydraulic 90° (Incl. Ref. #8 & 31)	1
31	237-30	Seal - O-Ring	1
32	237-78	Seal - O-Ring	1
33	304-99	Fitting - 90° Elbow (Incl. Ref. #32)	1
34	2412-108	Clamp - Hose	1

*Not Illustrated



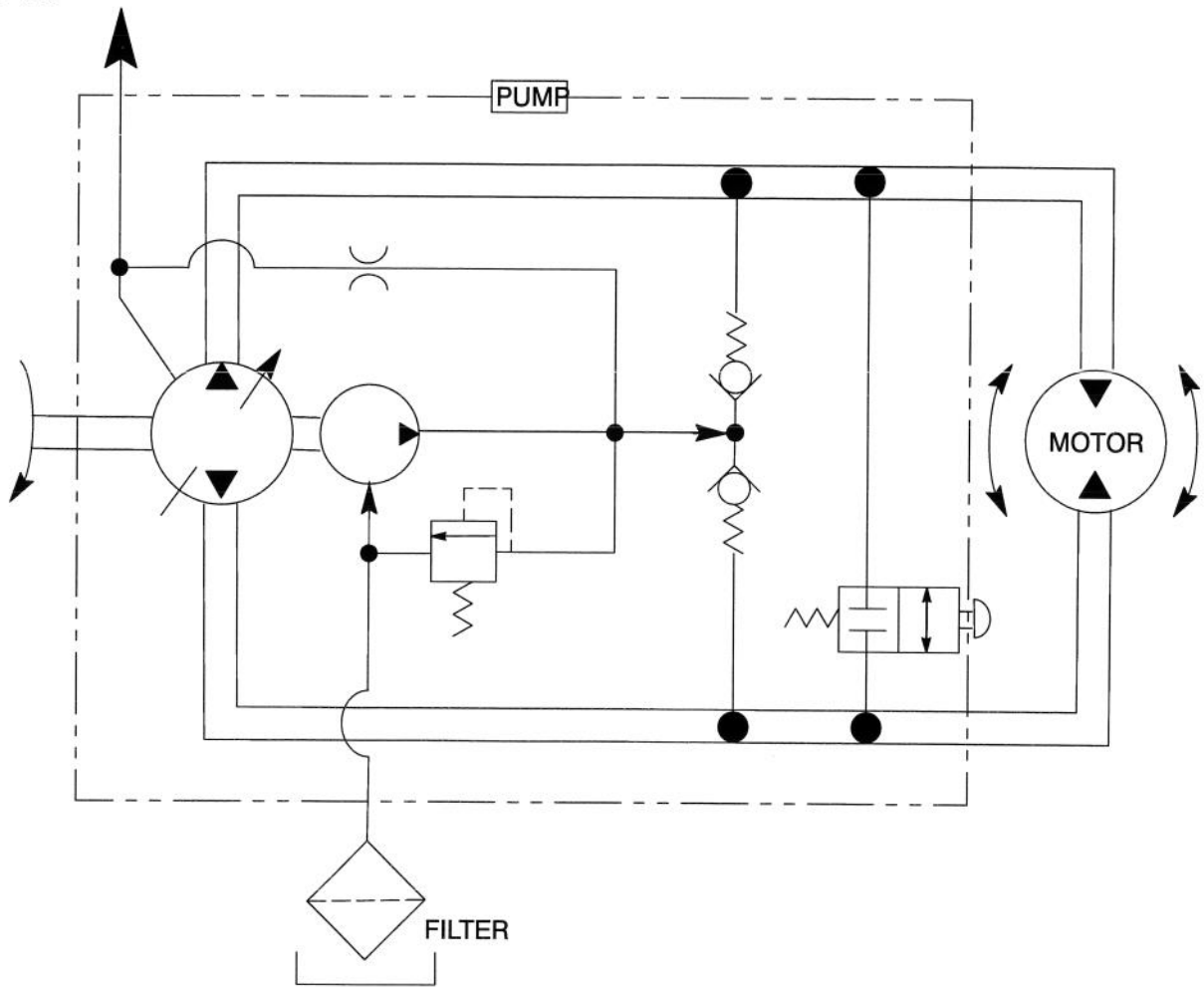
T-1199

GEARBOX ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
35	80-7360	Hose	1
36	253-148	Seal - Input Shaft	1

Ref. No.	Part No.	Description	No. Used
37	2811-7	Fitting - Breather 90°	1

*Not Illustrated

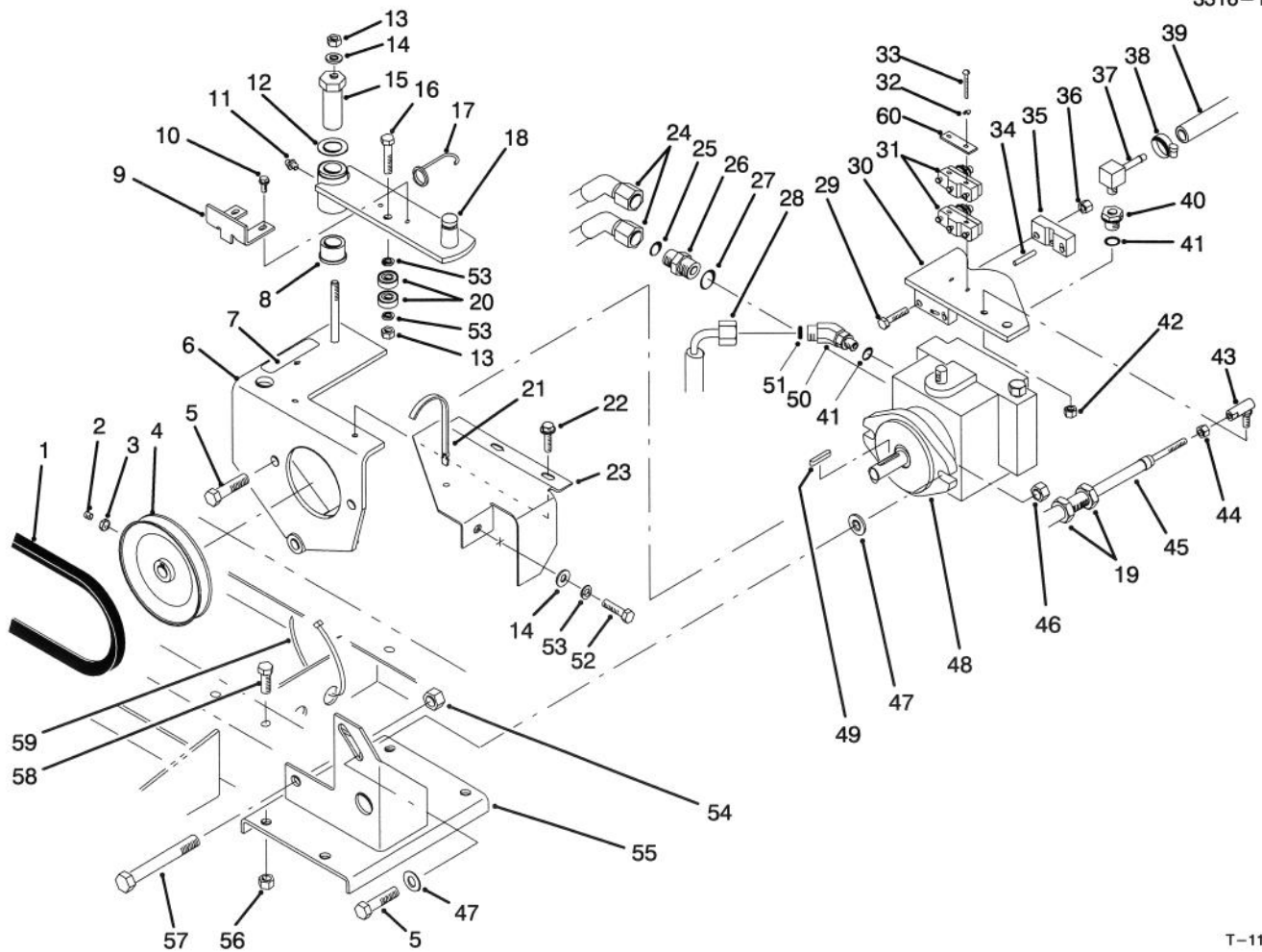


T-1273

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used



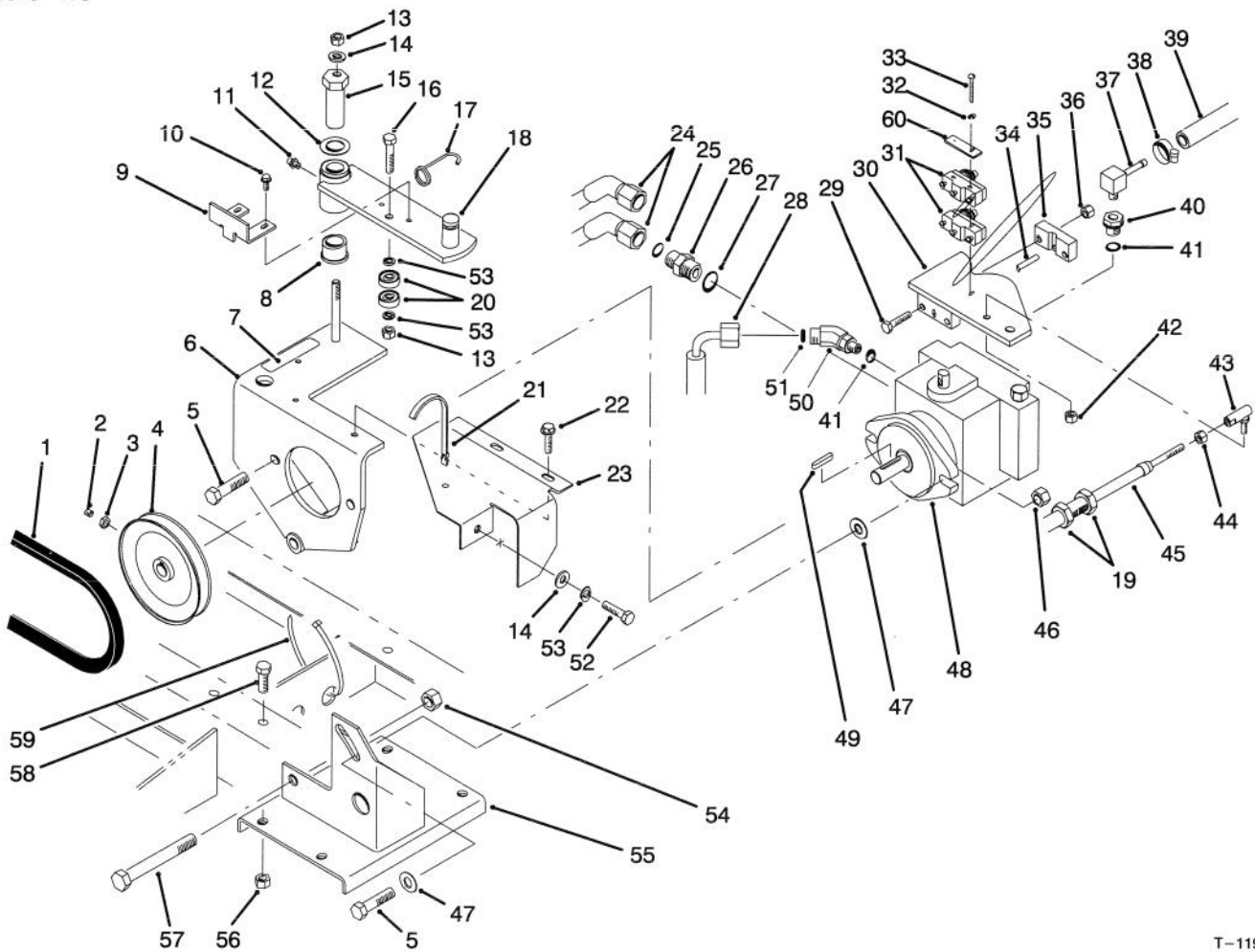
T-1195

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-6720	Belt - V	1
2	3245-5	Screw - Set	2
3	3218-1	Nut - Jam	2
4	80-8170	Pulley - Hydraulic Pump	1
5	324-6	Screw - Cap Hex. Hd.	2
6	14-5209	Mount - Pump (Incl. Ref. #7)	1
‡7	80-8760	Decal - Danger (English)	1
8	256-113	Bushing - Flange	2
9	80-7770	Tab - Switch	1
10	32104-60	Screw - Hex. Washer Hd.	2
11	302-5	Fitting - Grease	1
12	3-6498	Washer - Thrust	1
13	3296-29	Nut - Lock	2
14	3256-23	Washer - Flat	2
15	76-8640	Stud	1
16	322-17	Screw - Cap Hex. Hd.	1
17	80-6610	Spring - Extension	1
18	80-7630	Neutral Lever Assembly	1
19	3220-6	Nut - Jam	2
20	251-259	Bearing - Ball	2
21	3290-410	Tie - Cable	1
22	32104-95	Screw - Hex. Washer Hd.	2
23	80-9170	Bracket - Pulley Guard	1
24	80-7330	Hose - Hydraulic	2
25	237-30	Seal - O-Ring	2

Ref. No.	Part No.	Description	No. Used
26	340-4	Fitting - Hydraulic Straight (Incl. Ref. #25 & 27)	2
27	237-79	Seal - O-Ring	2
28	80-7350	Hose - Hydraulic	1
29	321-10	Screw - Cap Hex. Hd.	2
30	80-7800	Lever - Pump	1
31	29-6162	Switch - Micro	2
32	3254-9	Washer - Lock	2
33	32105-25	Screw - Round Hd.	2
34	32121-34	Pin - Roll	1
35	80-9320	Clamp - Traction	1
36	3296-42	Nut - Lock	2
37	304-75	Fitting - Hydraulic 90°	1
38	2412-108	Clamp - Hose	1
39	80-7360	Hose - Hydraulic	1
40	80-7320	Fitting - Adapter (Incl. Ref. #41)	1
41	237-42	Seal - O-Ring	2
42	3296-3	Nut - Lock	1
43	2411-34	Joint - Ball	1
44	3220-1	Nut - Jam	1
45	80-7220	Stroke Control Cable Assy. (Incl. Ref. #19)	1
46	32128-37	Nut - Flange Lock	2
47	3256-25	Washer - Flat	2
48	80-5450	Hydraulic Pump Assembly	1

‡For different language versions of this part, see International Decal Cross Reference.

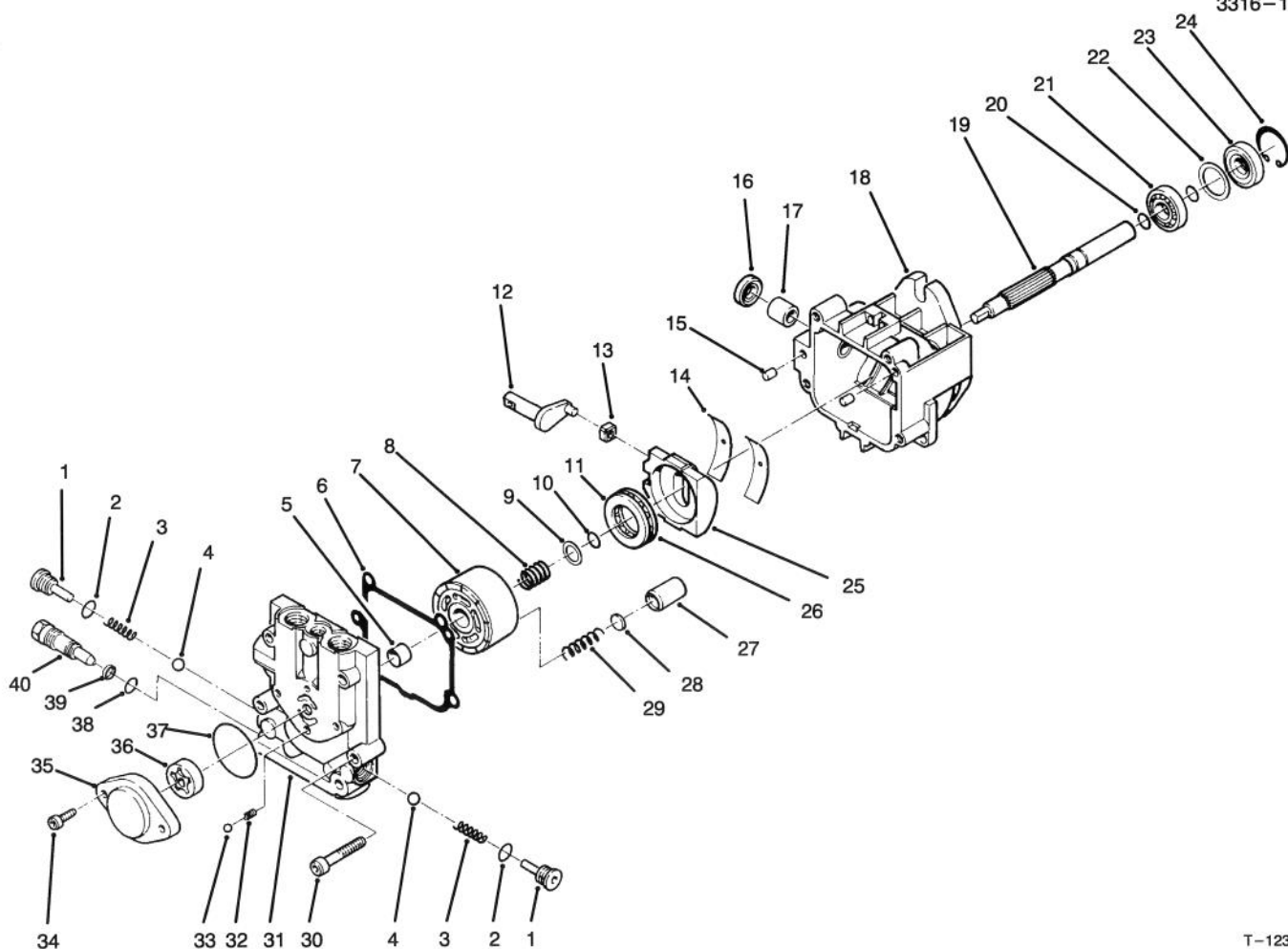


T-1195

HYDRAULIC PUMP INSTALLATION ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
49	80-6090	Key - Pump	1
50	340-54	Fitting - Hydraulic 45° (Incl. Ref. #41 & 51)	1
51	237-22	Seal - O-Ring	1
52	322-5	Screw - Cap Hex. Hd.	1
53	3253-4	Washer - Lock	3
54	3296-23	Nut - Lock	1

Ref. No.	Part No.	Description	No. Used
55	80-7460	Support - Pump	1
56	3296-39	Nut - Lock	4
57	325-17	Screw - Cap Hex. Hd.	1
58	323-6	Screw - Cap Hex. Hd.	4
59	3290-378	Tie - Cable	1
60	61-2990	Plate - Back Up	1



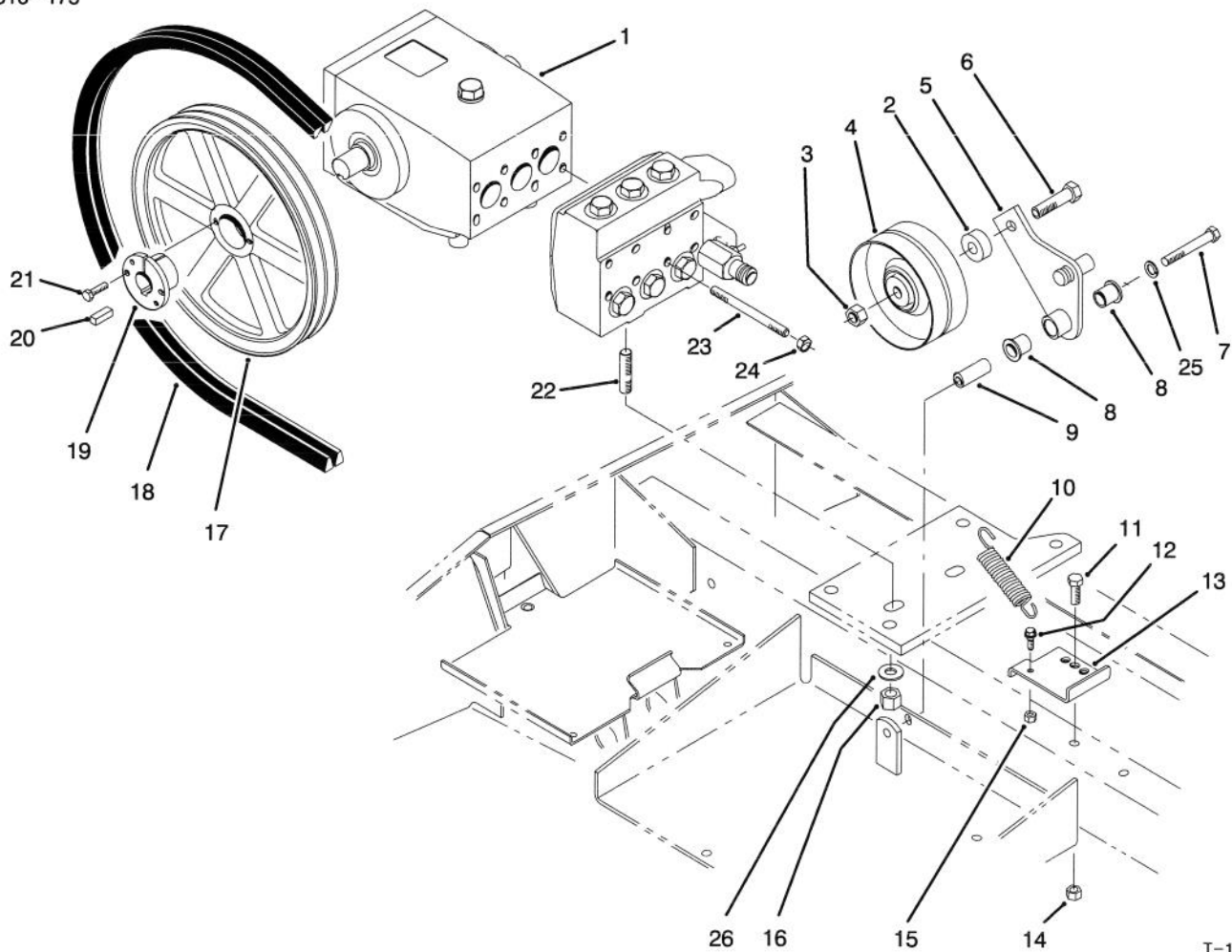
T-1236

HYDRAULIC PUMP ASSEMBLY NO. 80-5450

Ref. No.	Part No.	Description	No. Used
1	80-6120	Check Valve Kit (Incl. Ref. #2-4)	1
2		Seal - O-Ring	2
3		Spring	2
4		Ball	2
5		Journal - Bearing	1
6		Gasket - End Cap	1
7		Cylinder Block Kit (Incl. Ref. #8-10 & 27-29)	1
8		Spring	1
9		Washer	1
10		Ring - Retaining	1
11		Plate - Thrust	1
12		Arm - Trunion	1
13		Guide - Slot	1
14		Cradle - Bearing	2
15		Pin	2
16		Seal - Lip	1
17		Journal - Bearing	1
18		Housing - Assembly (Incl. Ref. #16 & 17)	1
19		Shaft	1
20		Ring - Retaining	2
21		Bearing - Ball	1
22		Spacer	1

Ref. No.	Part No.	Description	No. Used
23		Seal - Lip	1
24		Ring - Retaining	1
25		Swashplate Assembly	1
26		Roller - Thrust	1
27		Piston	5
28		Washer - Thrust	5
29		Spring - Piston	5
30		Screw	4
31		End Cap Assembly (Incl. Ref. #5)	1
32		Ball	1
33		Spring	1
34		Screw	2
35		Housing - Charge Pump	1
36		Gerotor Assembly	1
37		Seal - O-Ring	1
38		Seal - O-Ring	1
39		Ring - Back-Up	1
40		Valve - Bypass	1
*	80-6110	Charge Relief Valve Kit (Incl. Ref. #32-33)	1
*	80-6130	Overhaul Seal Kit (Incl. Ref. #6, 10, 16, 20, 23 & 37-39)	1

*Not Illustrated

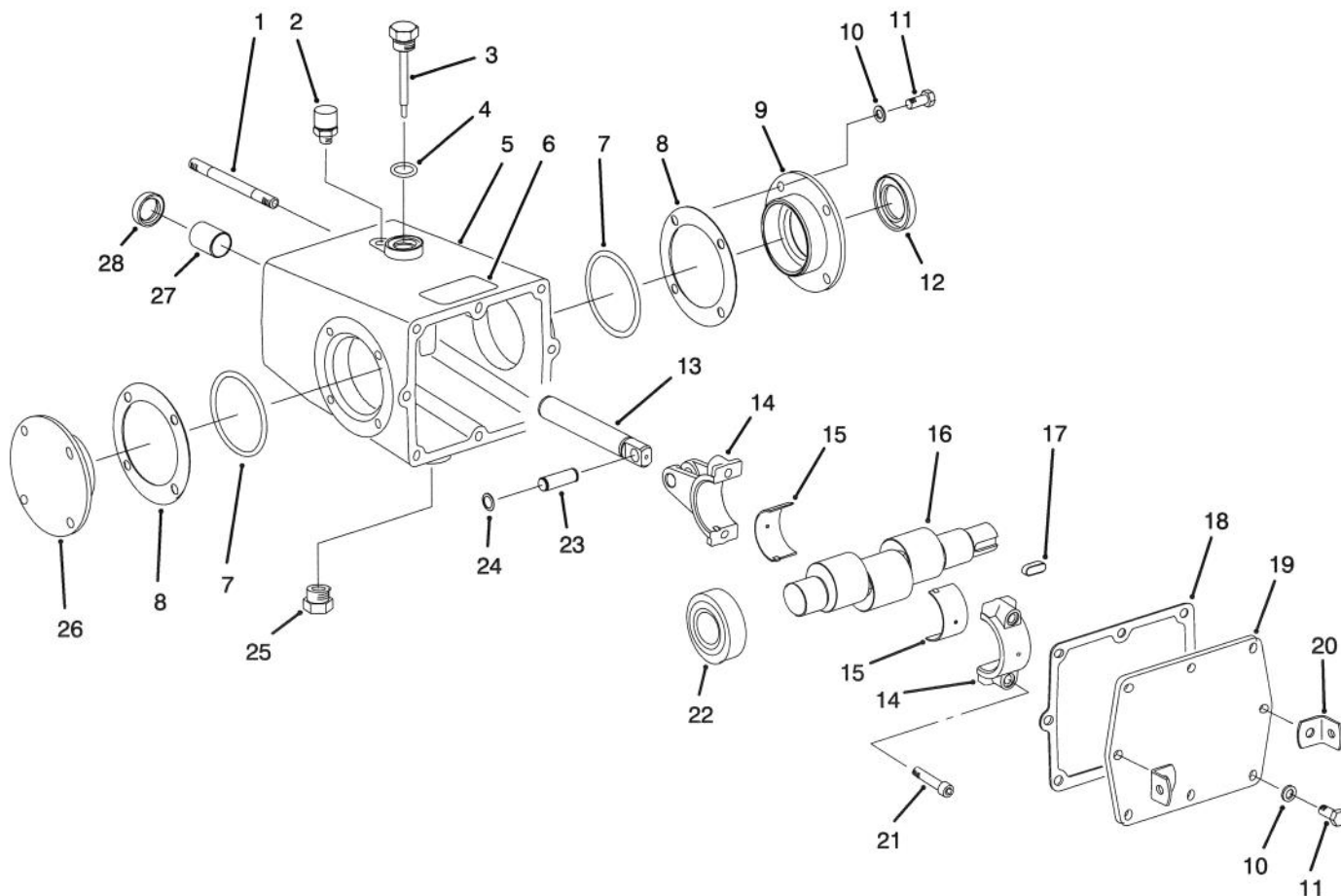


T-1201

WATER PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	86-8900	Water Pump Crankcase Assy.	1
2	86-8890	Spacer - Pulley	1
3	3296-28	Nut - Lock	1
4	80-8360	Pulley - Idler	1
5	86-8870	Bracket - Idler	1
6	3213-7	Screw - Cap Hex. Hd.	1
7	323-12	Screw - Cap Hex. Hd.	1
8	80-9610	Bushing - Flange	2
9	80-7710	Sleeve - Idler Bracket	1
10	80-6620	Spring - Extension	1
11	323-6	Screw - Cap Hex. Hd.	1
12	42-3560	Bolt - Shoulder	1
13	80-6600	Bracket - Spring	1
14	3296-39	Nut - Lock	1

Ref. No.	Part No.	Description	No. Used
15	3296-56	Nut - Lock	1
16	3296-19	Nut - Lock	2
17	80-6650	Pulley - Water Pump	1
18	80-6730	Belt - V	2
19	80-6660	Collar - Taper Lock (Incl. Ref. #21)	1
20	80-5920	Key - Collar	1
21	321-4	Screw - Cap Hex. Hd.	2
22	80-8680	Stud - Mounting	2
23	86-8830	Stud - Head	8
24	3219-28	Nut - Lock	8
25	3253-21	Washer - Lock	1
26	3256-26	Washer - Flat	2



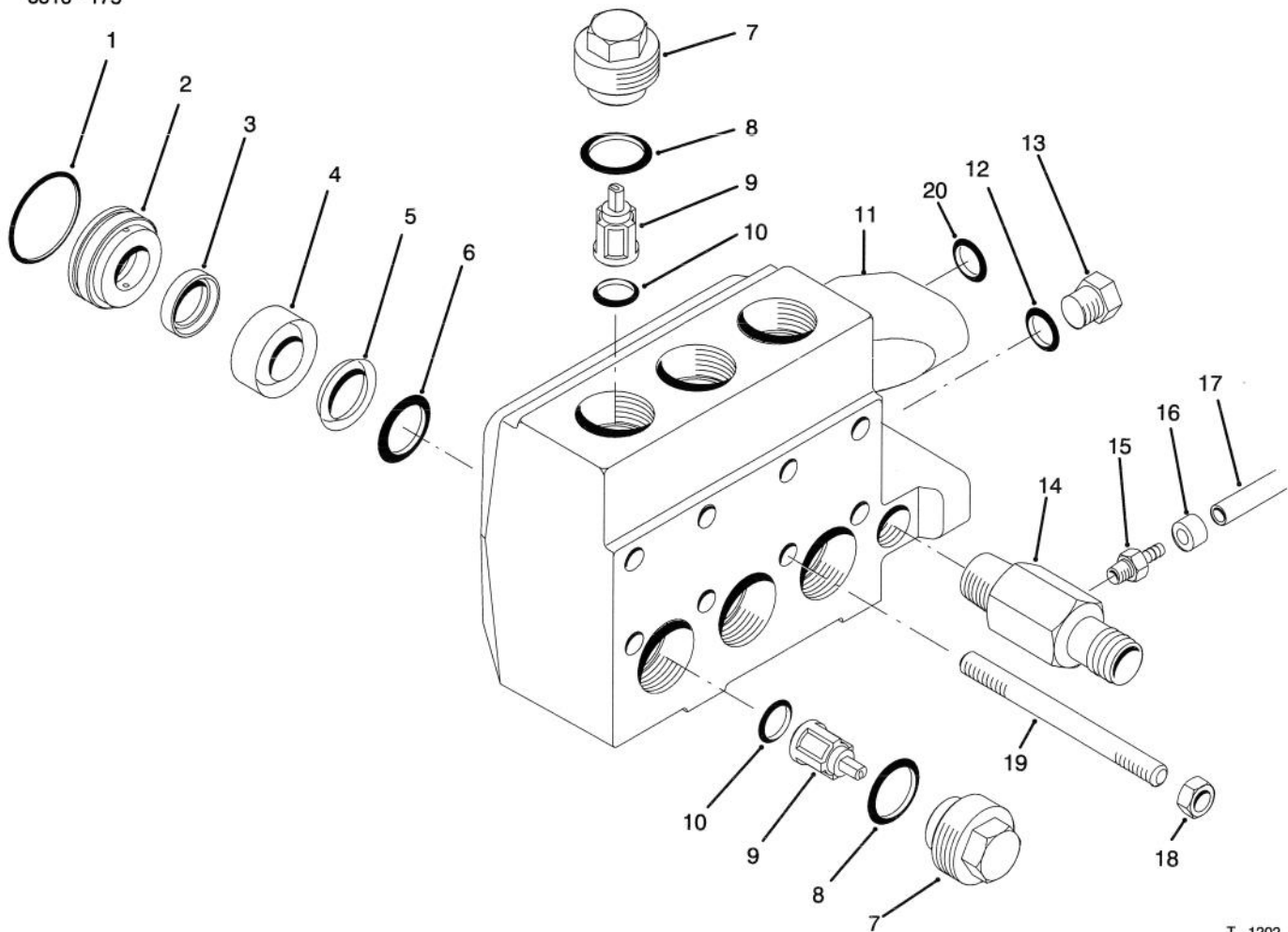
T-1917

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
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	3253-4	Washer - Lock	16
11	322-3	Screw - Cap Hex. Hd.	16
12	86-8760	Seal	1
13	86-8820	Rod - Plunger	3

Ref. No.	Part No.	Description	No. Used
14	86-8380	Rod - Connecting	3
15	86-8840	Bearing Set - Split	3
16	86-8360	Crankshaft	1
17	86-8790	Key	1
18	86-8730	Gasket	1
19	86-8850	Cover - Crankcase	1
20	92-9547	Bracket - Angle	2
21	3274-83	Screw - Hex. Socket Hd.	6
22	86-8780	Bearing - Tapered	2
23	86-8740	Pin - Connecting Rod	3
24	32151-65	Ring - Retaining	6
25	353-550	Plug - Drain	1
26	86-8570	Flange - Crankcase	1
27	86-8750	Guide - Plunger	3
28	86-8770	Seal	3

*Not Illustrated



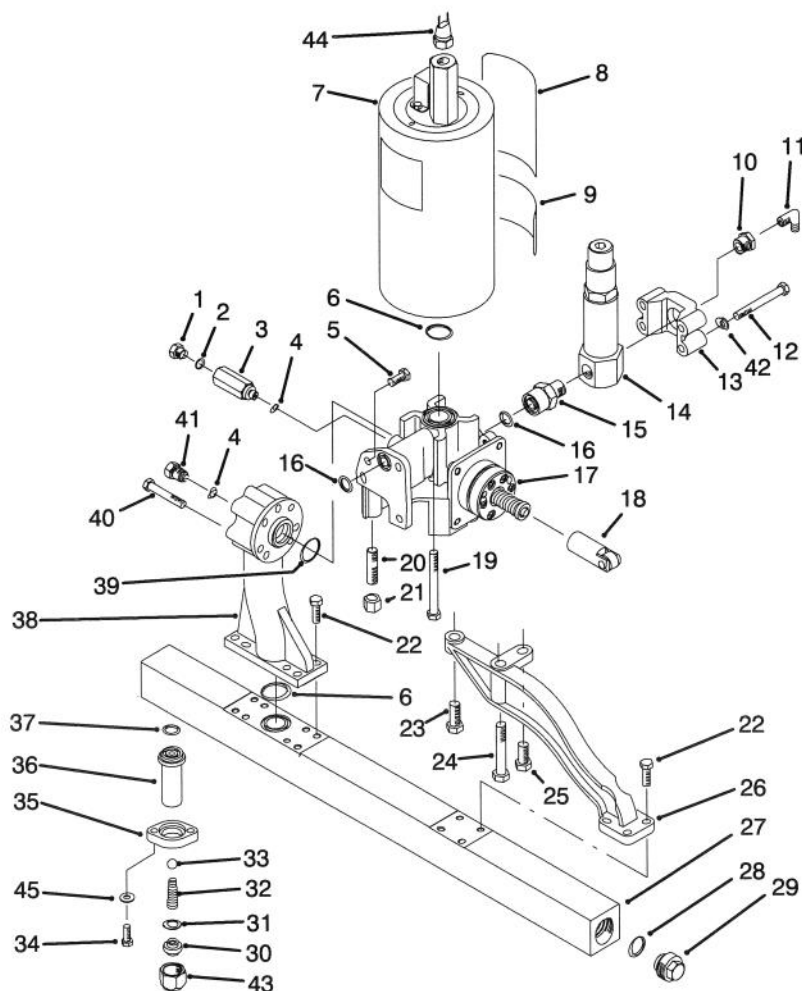
T-1202

WATER PUMP HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-170	Seal - O-Ring	3
2	80-5720	Retainer - Seal	3
3	80-5760	Seal - U-Cup	3
4	80-5750	Support - Seal/Plunger	3
5	80-5740	Seal - Packing Vee	3
6	80-5730	Ring - Head Back-Up	3
7	80-8220	Cap - Check Valve	6
8	80-5791	Seal - O-Ring	6
9	80-5630	Valve - Check	6
10	80-5781	Seal - Check Valve	6
11	14-5289	Head - Pump	1
12	80-5794	Seal - O-Ring	1

Ref. No.	Part No.	Description	No. Used
13	354-82	Plug Assembly	3
14	80-9400	Fitting - Straight Bard	1
15	304-101	Fitting - Barb	1
16	80-9480	Retainer - Tube	1
17	80-6521	Hose - Gage	1
18	3219-28	Nut - Hex.	8
19	86-8830	Stud - Head	8
20	80-5782	Seal - O-Ring	1
*	80-9640	Kit - Seal (Incl. Ref. #1, 3-6 & 20)	1
*	80-9650	Kit - Check Valve (Incl. Ref. #8-10)	1

*Not Illustrated



T-1200

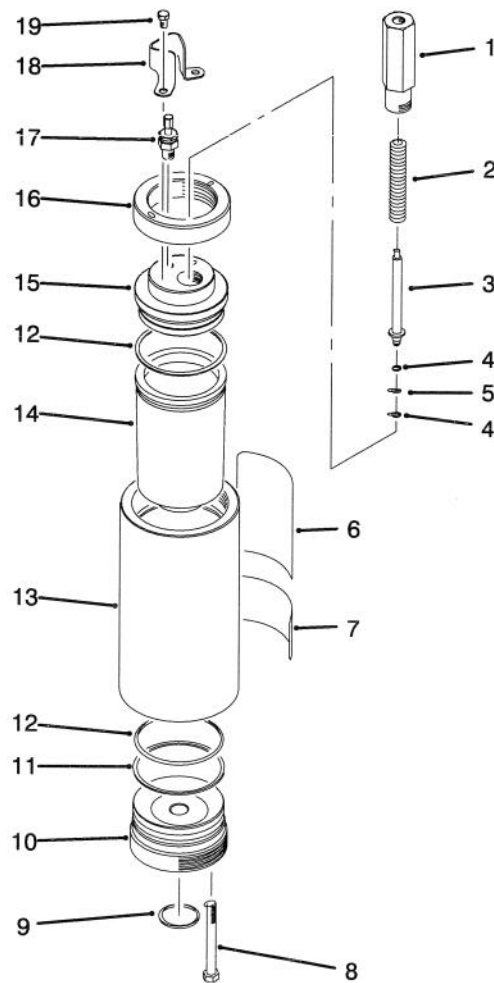
WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	354-82	Plug	1	24	325-12	Screw - Cap Hex. Hd.	1
2	80-5794	Seal - O-Ring	1	25	325-4	Screw - Cap Hex. Hd.	1
3	80-9980	Fitting - Extension	1	26	80-5080	Support - Manifold	1
4	80-5793	Seal - O-Ring	2	27	80-5380	Manifold	1
5	323-6	Screw - Cap Hex. Hd.	4	28	80-5791	Seal - O-Ring	2
6	80-5784	Seal - O-Ring	2	29	80-8220	Plug	2
7	92-9546	Accumulator Assembly (Incl. Ref. #6, 8, 9 & 19)	1	30	86-8131	Nozzle (#53) (Std.)	11
†8	80-8030	Decal - Danger (English)	2	*†	86-8133	Nozzle (#46) (Opt.)	6
†9	80-8880	Decal - Warning (English)	2	*†	86-8130	Nozzle (#56) (Opt.)	6
10	354-92	Fitting - Reducer	1	31	86-8150	Washer	11
11	354-93	Fitting - 90° Elbow	1	32	80-9710	Spring - Conical	11
12	323-17	Screw - Cap Hex. Hd.	4	33	255-12	Ball - Check	11
13	80-9890	Clamp - Valve	1	34	86-8610	Screw - Hex. Flange Hd.	22
14	80-7070	Relief Valve Assembly	1	35	80-9800	Flange - Nozzle	11
15	80-9900	Fitting - Valve	1	36	86-8110	Extension - Nozzle	11
16	80-5782	Seal - O-Ring	2	37	80-5786	Seal - O-Ring	11
17	14-7449	Valve Assembly (Incl. Ref. #20)	1	38	80-8210	Feeder - Manifold	1
18	80-5580	Follower - Cam	1	39	80-5780	Seal - O-Ring	1
19	324-26	Screw - Cap Hex. Hd.	4	40	323-13	Screw - Cap Hex. Hd.	7
20	80-8680	Stud	2	41	80-8230	Plug	1
21	3296-19	Nut - Lock	2	42	3253-21	Washer - Lock	4
22	323-5	Screw - Cap Hex. Hd.	12	43	86-8140	Retainer - Nozzle	11
23	325-5	Screw - Cap Hex. Hd.	1	44	72-4320	Switch - Ball	1
				45	3256-2	Washer - Flat	22

*Not Illustrated

†Refer to Product Operators Manual

‡For different language versions of this part, see International Decal Cross Reference.

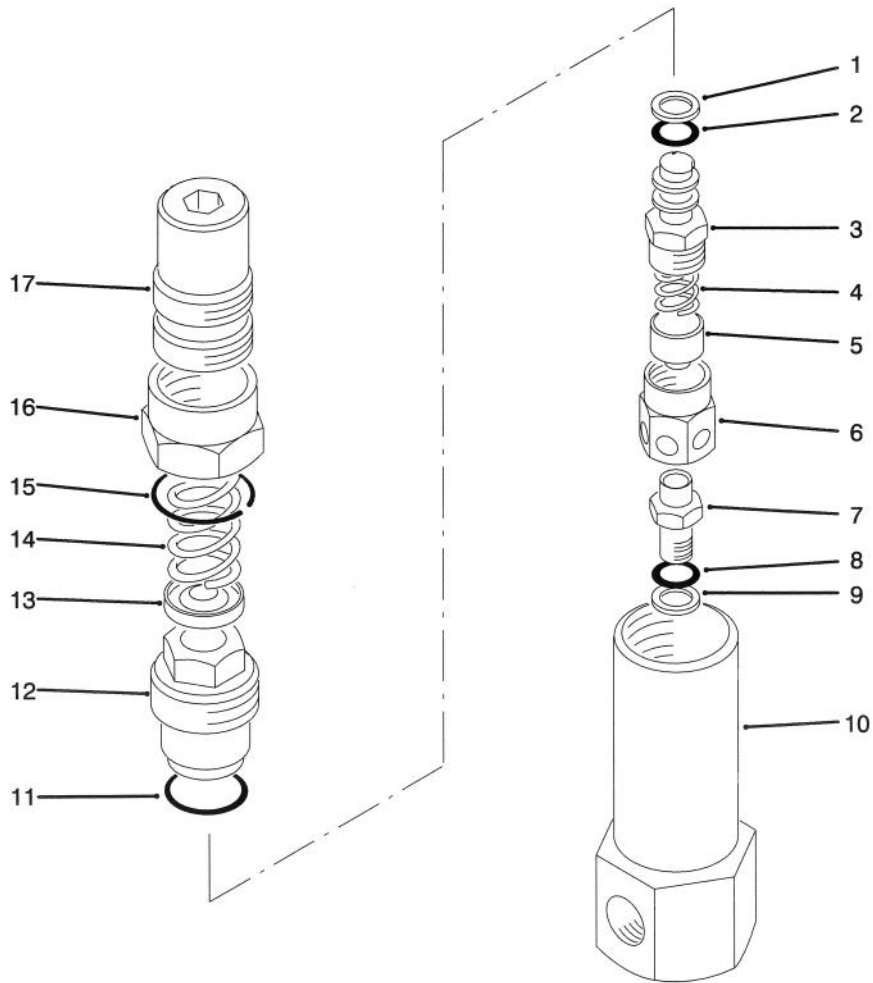


T-1257

ACCUMULATOR ASSEMBLY NO. 92-9546

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-9531	Retainer - Plunger	1	11	92-9533	Seal - O-Ring	1
2	92-9532	Spring - Compression	1	12	92-9534	Ring - Backup	2
3	92-9530	Plunger - Switch	1	13	92-9526	Housing - Accumulator	1
4	92-9536	Ring - Backup	2	14	92-9539	Bladder - Accumulator	1
5	92-9535	Seal - O-Ring	1	15	92-9527	Plug - Housing Upper	1
6	80-8030	Decal - Danger	1	16	92-9529	Retainer - Plug	1
7	80-8880	Decal - Warning	1	17	80-9000	Valve - Accumulator	1
8	324-26	Screw - Cap Hex. Hd.	4	18	86-9050	Guard - Valve	1
9	80-5784	Seal - O-Ring	1	19	3234-13	Screw - Cap Hex. Hd.	2
10	92-9528	Plug - Housing Lower	1				

Note: Accumulator is shipped without gas pressure, it must be charged by an Authorized Toro Technician prior to use. ‡For different language versions of this part, see International Decal Cross Reference.



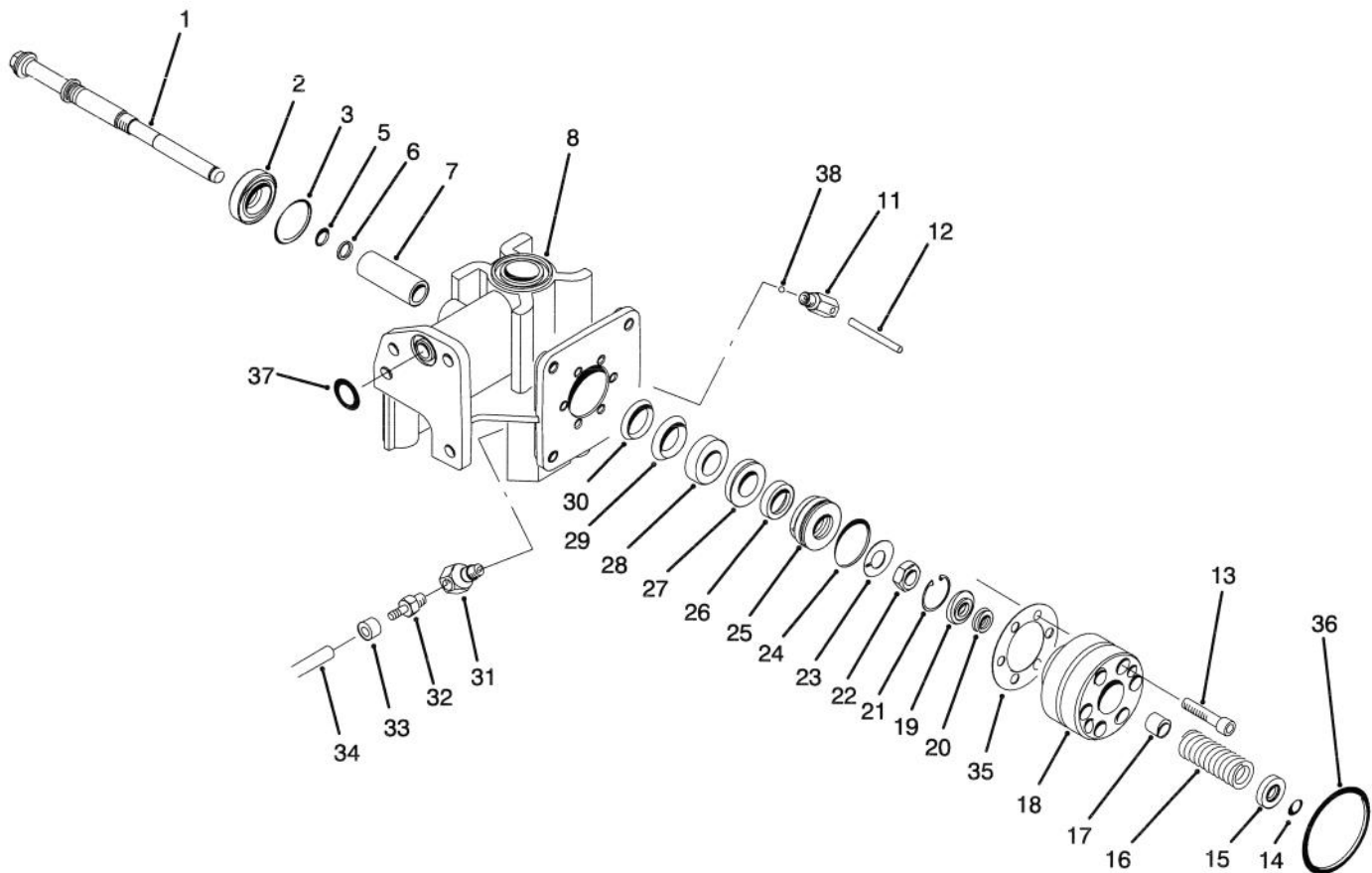
T-1918

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. #1-10, 12 & 15-17)	1

*Not Illustrated

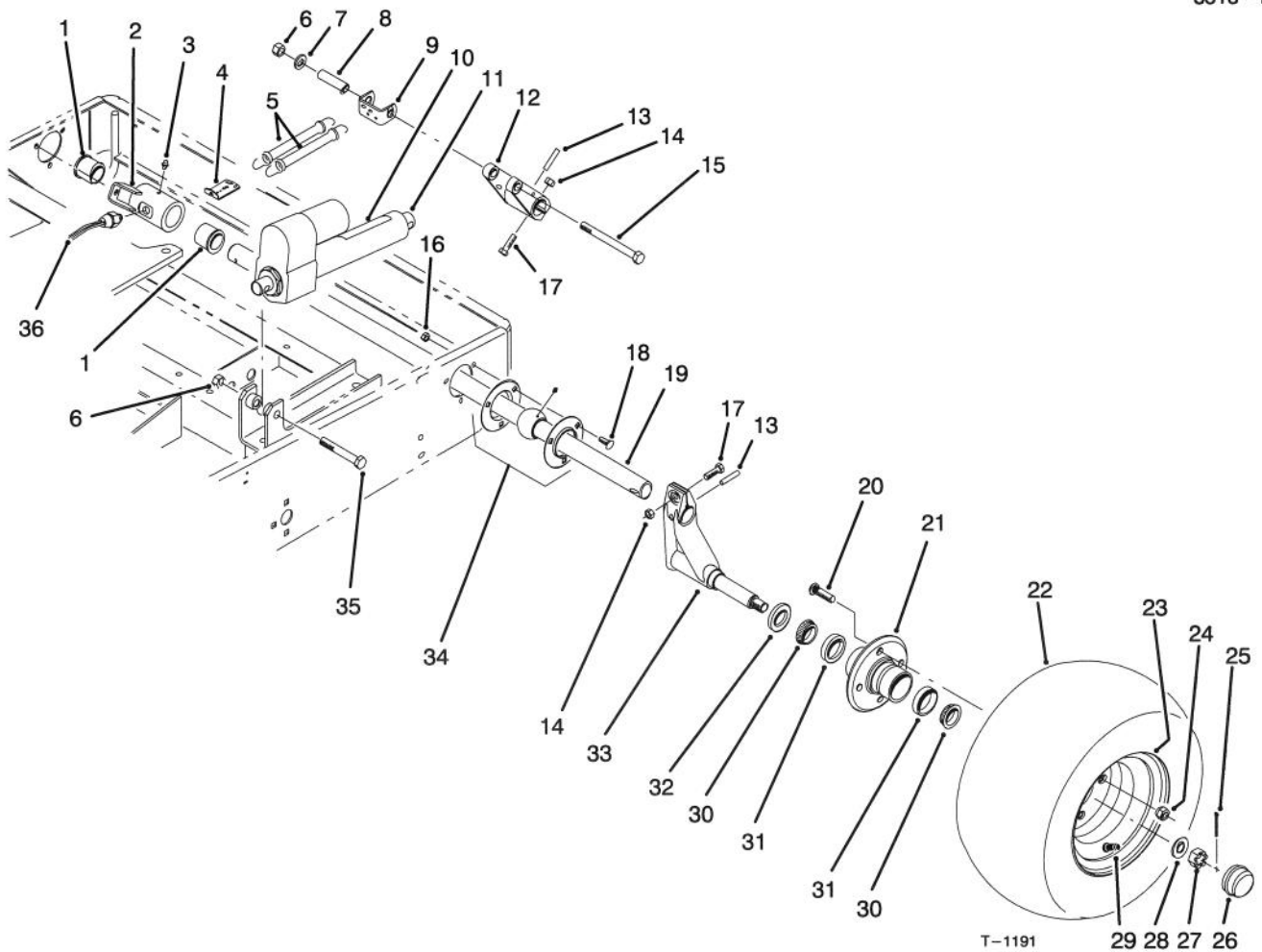


T-1206

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

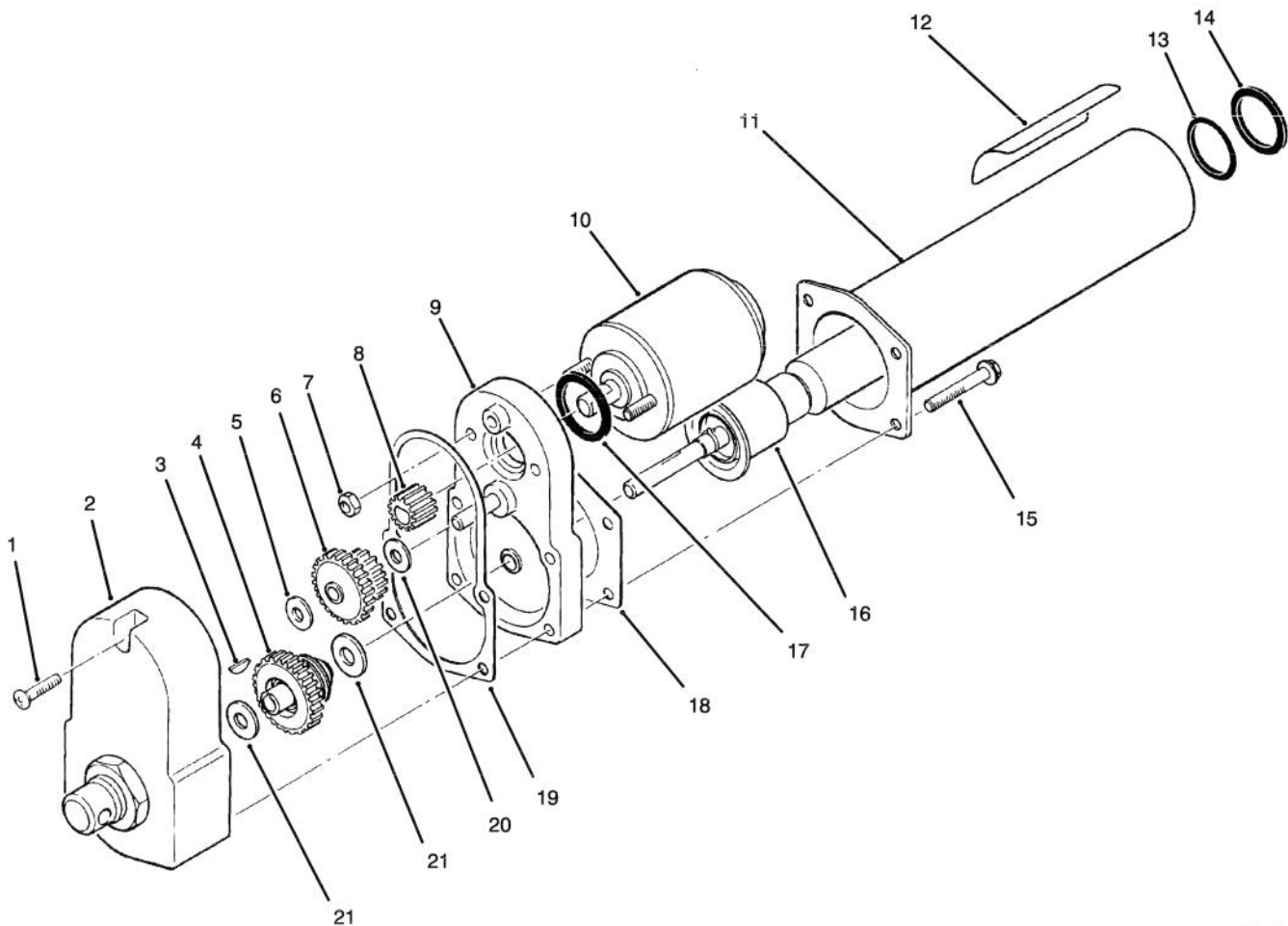


REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	256-268	Bushing - Flange	2
2	86-9030	Tube - Limit	1
3	302-5	Fitting - Grease	1
4	80-8270	Bracket - Adjustment	1
5	80-7870	Spring - Extension	2
6	3296-45	Nut - Lock	2
7	3256-26	Washer - Flat	1
8	80-7970	Tube - Return	1
9	80-7960	Bracket - Return	1
†10	80-8010	Decal - Warning (English)	1
11	14-5219	Lift Actuator Assembly (Incl. Ref. 10)	1
12	80-5140	Lever - Lift	1
13	32121-66	Pin - Roll	3
14	3296-39	Nut - Lock	3
15	325-22	Screw - Cap Hex. Hd.	1
16	3296-29	Nut - Lock	6
17	323-7	Screw - Cap Hex. Hd.	3
18	3230-22	Bolt - Carriage	6

Ref. No.	Part No.	Description	No. Used
19	86-8690	Shaft - Lift	1
20	10-6830	Stud - Drive	8
21	80-6580	Hub Assembly (Incl. Ref. #20 & 31)	2
22	28-3680	Tire	2
23	217-60	Rim - Wheel	2
24	242-50	Nut - Lug	8
25	3272-13	Pin - Cotter	2
26	241-119	Cap - Hub	2
27	32136-5	Nut - Slotted	2
28	3256-28	Washer - Flat	2
29	232-27	Stem - Valve	2
30	254-94	Cone - Bearing	4
31	254-72	Cup Bearing	4
32	253-129	Seal - Bearing	2
33	80-5120	Arm - Lift	2
34	80-5560	Flange Bearing Assembly	2
35	325-14	Screw - Cap Hex. Hd.	1
36	72-4310	Switch - Ball N.C.	1

†For different language versions of this part, see International Decal Cross Reference.



T-1322

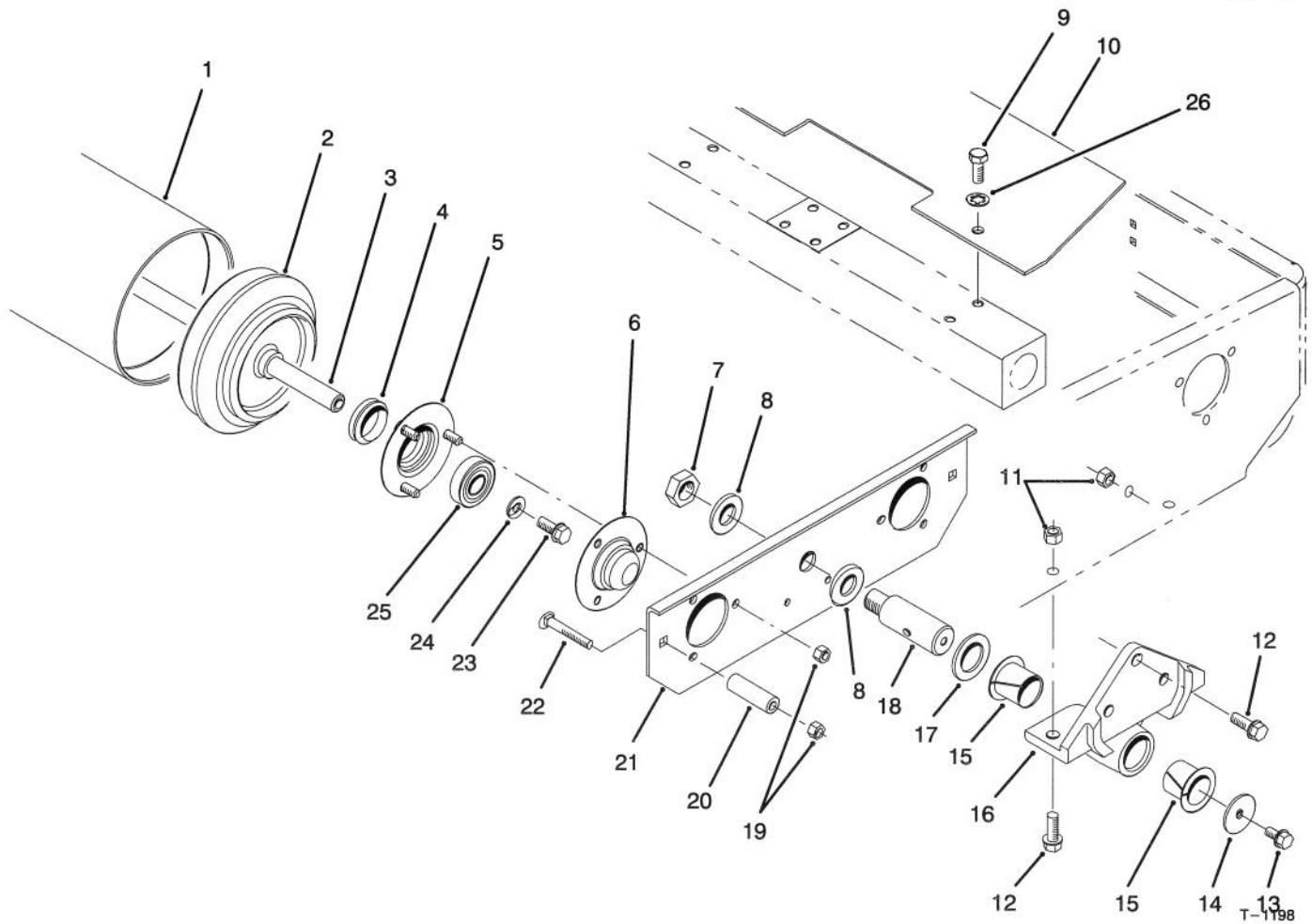
LIFT ACTUATOR ASSEMBLY NO. 14-5219

Ref. No.	Part No.	Description	No. Used
1		Screw	1
2		Rear Housing Assembly	1
3		Key - Woodruff	1
4	80-5530	Clutch Assembly (Incl. Ref. #3 & 21)	1
5		Washer	1
6		Gear - Intermediate	1
7		Nut - Hex.	2
8		Gear - Motor	1
9		Front Housing Assembly	1
10	80-5540	Motor Assembly (Incl. Ref. #8)	1
11	80-5520	Cover Tube Assembly (Incl. Ref. #13 & 14)	1

Ref. No.	Part No.	Description	No. Used
‡12	80-8010	Decal - Warning (English)	1
13		Seal - O-Ring	1
14		Seal - Lip	1
15		Screw - Hex. Washer Hd.	4
16		Ball Screw & Brake Assy.	1
17		Seal - Motor	1
18		Gasket -	1
19		Gasket - Housing	1
20		Washer	1
21		Washer	2
*	80-5550	Seal Kit (Incl. Ref. #1, 7, 13-15 & 17-19)	1

*Not Illustrated

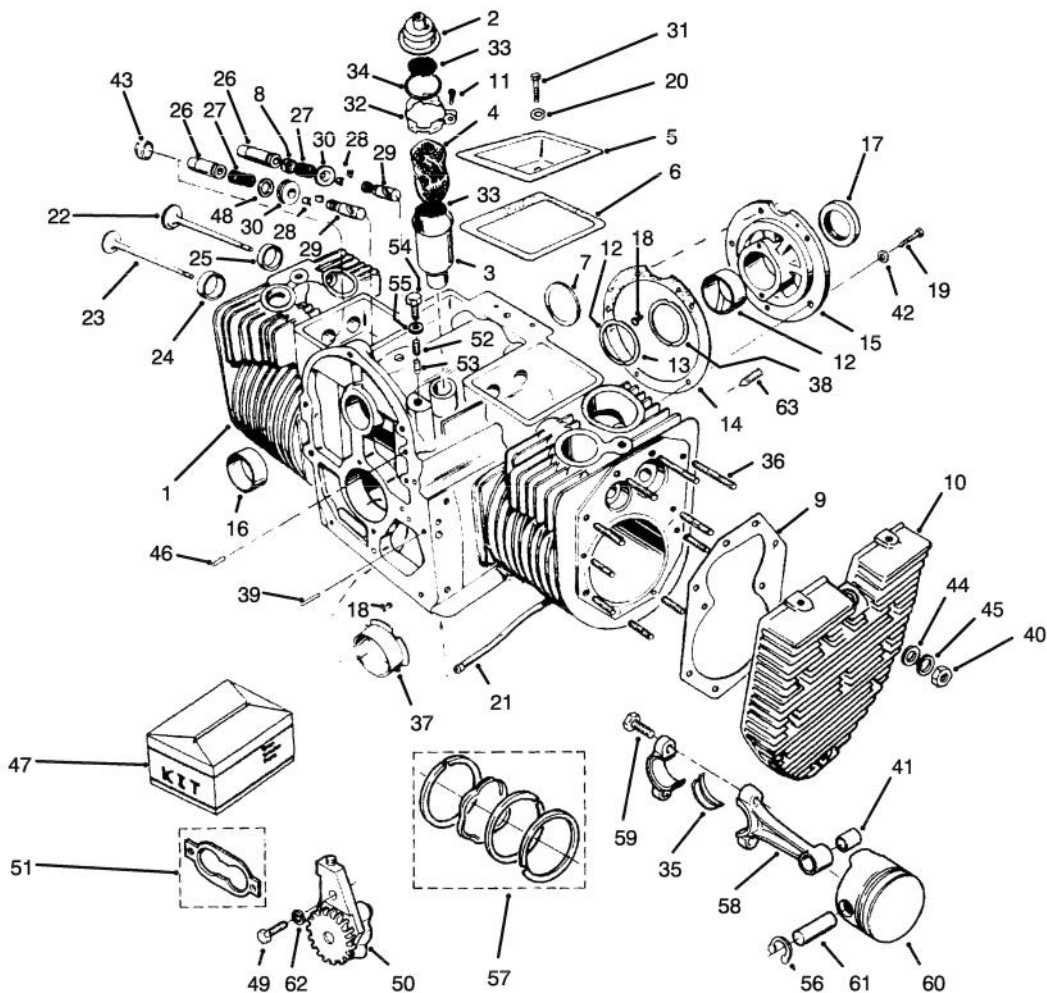
‡For different language versions of this part, see International Decal Cross Reference.



ROLLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-8740	Roller	2
2	80-5200	End Cap - Roller	4
3	80-8730	Shaft - Roller	2
4	253-167	Seal - V	4
5	80-8550	Flange - Bearing	4
6	80-8530	Flange - Bearing	4
7	3296-15	Nut - Lock	2
8	3256-28	Washer - Flat	4
9	323-2	Screw - Hex. Washer Hd.	6
10	80-9180	Shield - Manifold	2
11	3296-39	Nut - Lock	10
12	3234-24	Screw - Hex. Washer Hd.	10
13	3234-14	Screw - Hex. Washer Hd.	2

Ref. No.	Part No.	Description	No. Used
14	3256-68	Washer - Flat	2
15	256-318	Bushing - Nyliner	4
16	80-8330	Pivot - Roller	2
17	3-6781	Washer - Thrust	2
18	80-8690	Pin - Pivot	2
19	3296-29	Nut - Lock	16
20	80-8720	Stop - Roller	4
21	80-8710	Plate - Side	2
22	3230-8	Bolt - Carriage	4
23	3234-25	Screw - Hex. Washer Hd.	4
24	80-6990	Washer - Thrust	4
25	251-351	Bearing - Ball	4
26	3254-6	Washer - I.T.L.W.	6



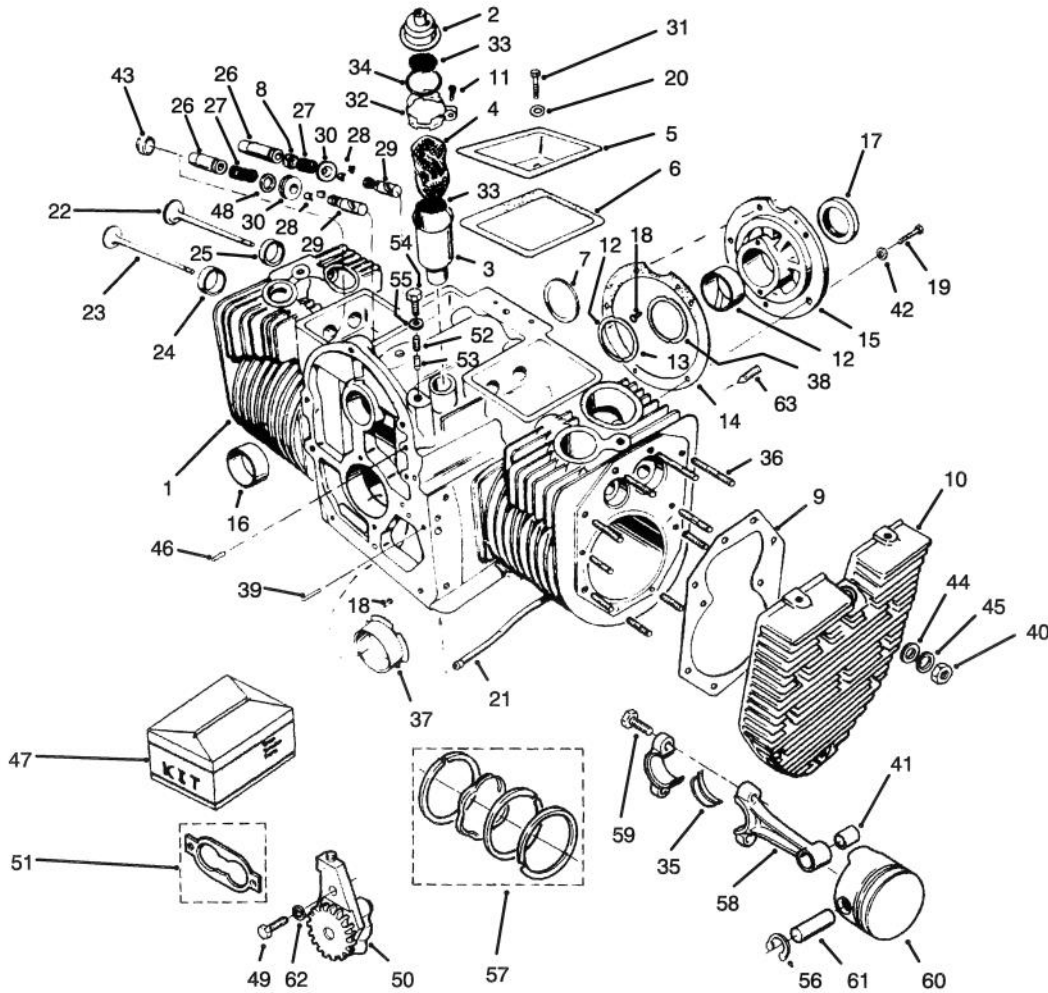
T-1258

ENGINE CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	92-0924	Short Block Assembly	1	†21	82-0480	Tube - Oil	1
2	82-0550	Breather Cap & Valve	1	22	82-0220	Valve - Intake	2
†3	82-0540	Tube - Breather	1	23	82-0230	Valve - Exhaust	2
4	57-8580	Baffle - Breather Tube	1	†24	82-0080	Insert - Exhaust Valve (Std.)	2
5	82-0280	Cover - Valve (Coil)	1	*	82-0090	Insert - Exhaust Valve (.002" OS)	2
*	82-1710	Cover - Valve (Dipstick)	1	*	82-0100	Insert - Exhaust Valve (.005" OS)	2
6	82-0260	Gasket - Valve Cover	2	*	82-0110	Insert - Exhaust Valve (.010" OS)	2
†7	82-1180	Plug - Expansion	1	*	82-0120	Insert - Exhaust Valve (.025" OS)	2
8	82-0270	Seal - Intake Valve	2	†25	82-0160	Insert - Intake Valve (Std.)	2
9	82-0130	Gasket - Cylinder Head	2	*	82-0170	Insert - Intake Valve (.002" OS)	2
*	82-0960	Gasket Kit (Carbon Remove)	1	*	92-0925	Insert - Intake Valve (.005" OS)	2
10	82-0210	Head - Cylinder	2	*	92-0926	Insert - Intake Valve (.010" OS)	2
11	82-1480	Screw - Tapping	1	*	92-0927	Insert - Intake Valve (.025" OS)	2
12	57-8050	Bearing - Crank (Std.)	1	†26	82-0140	Guide - Exhaust Valve	2
*	59-0020	Bearing - Crank (.002" US)	1	*	82-0150	Guide - Intake Valve	2
*	57-8060	Bearing - Crank (.010" US)	1	27	57-8250	Spring - Valve	4
*	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				

*Not Illustrated

†Included in Short Block Assembly



T-1258

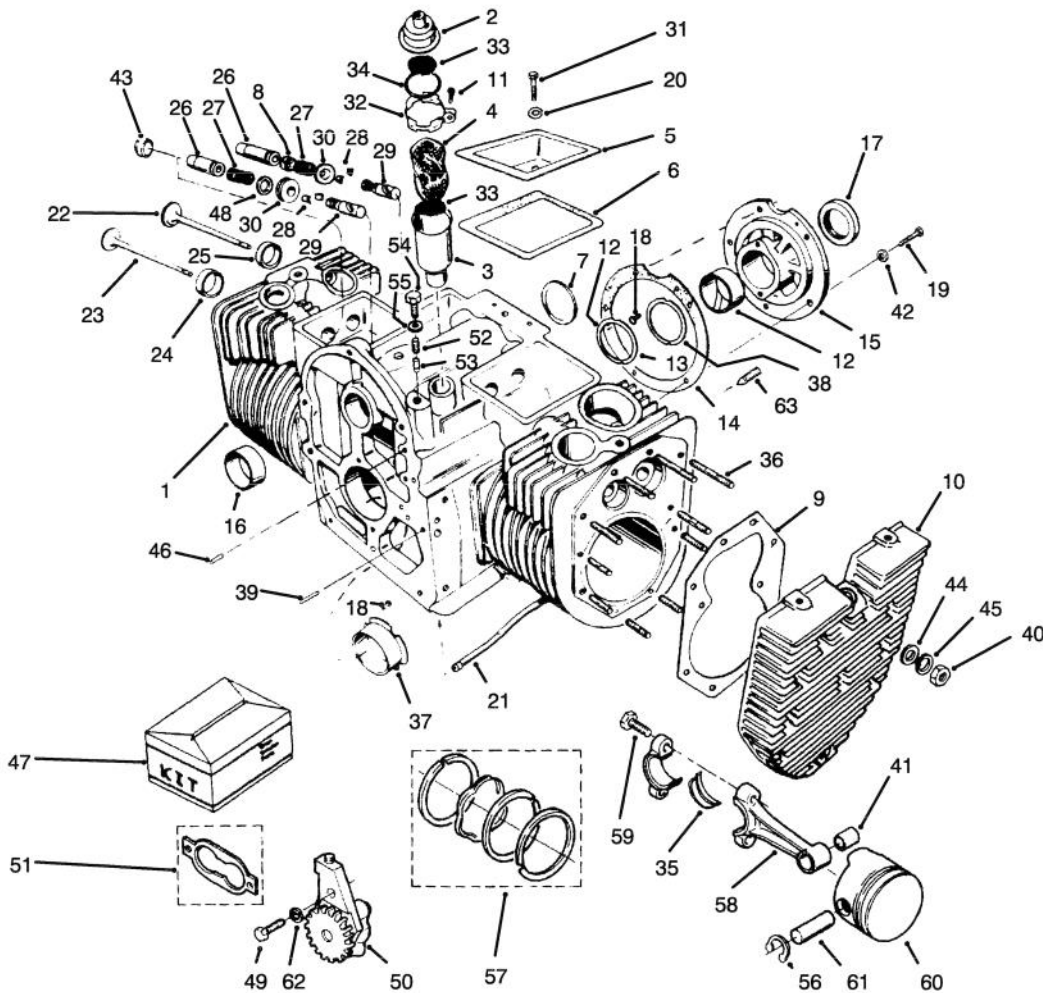
ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

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

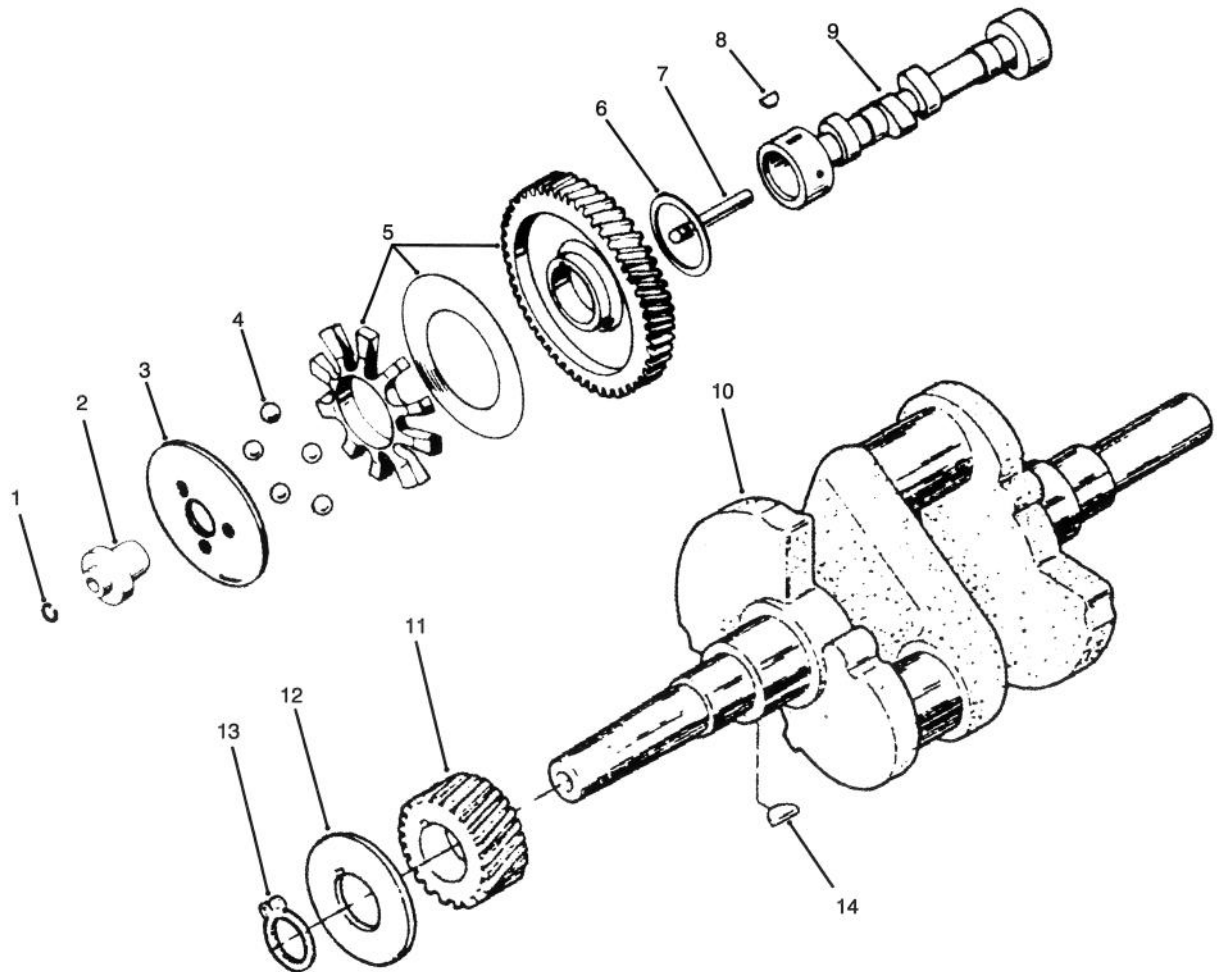


T-1258

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

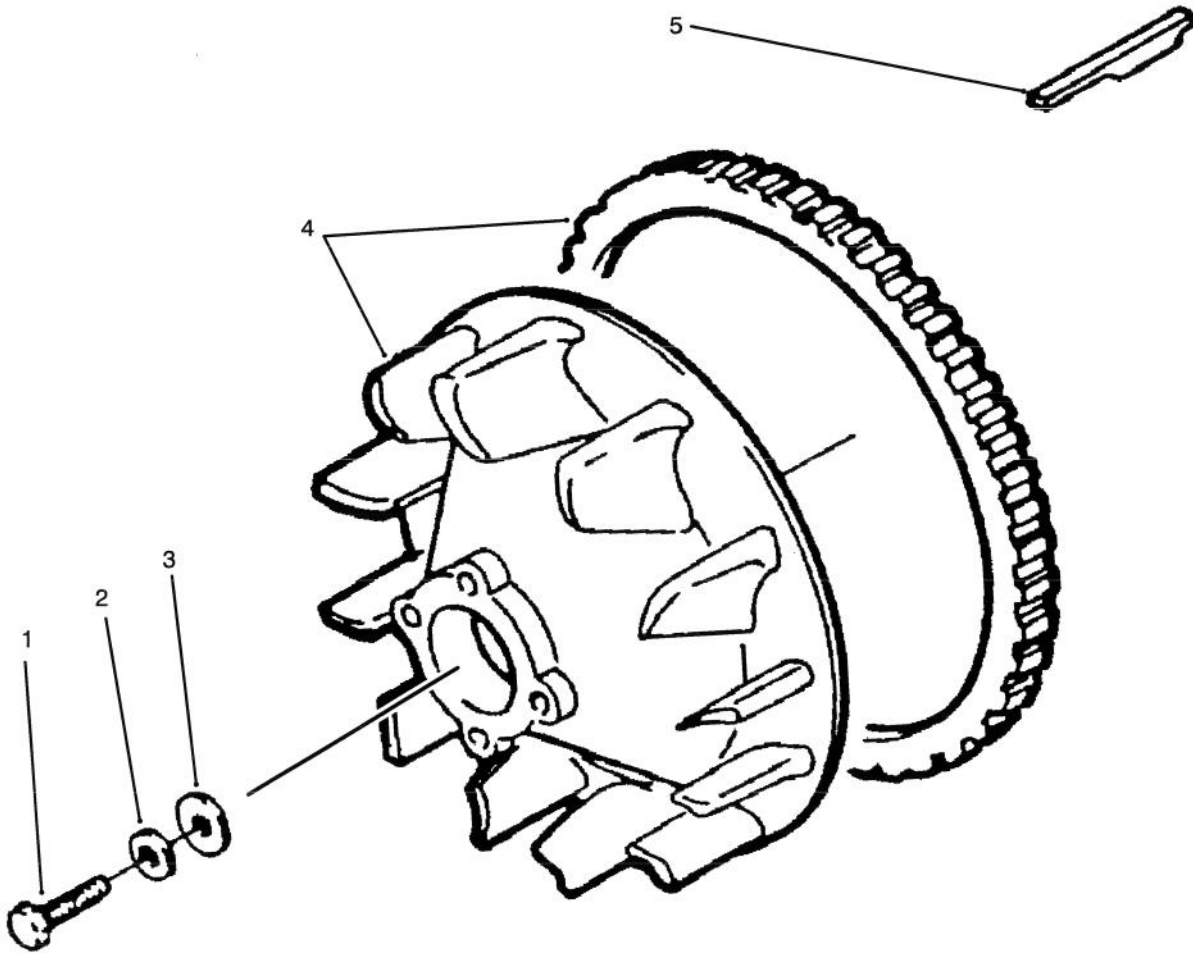


T-1259

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

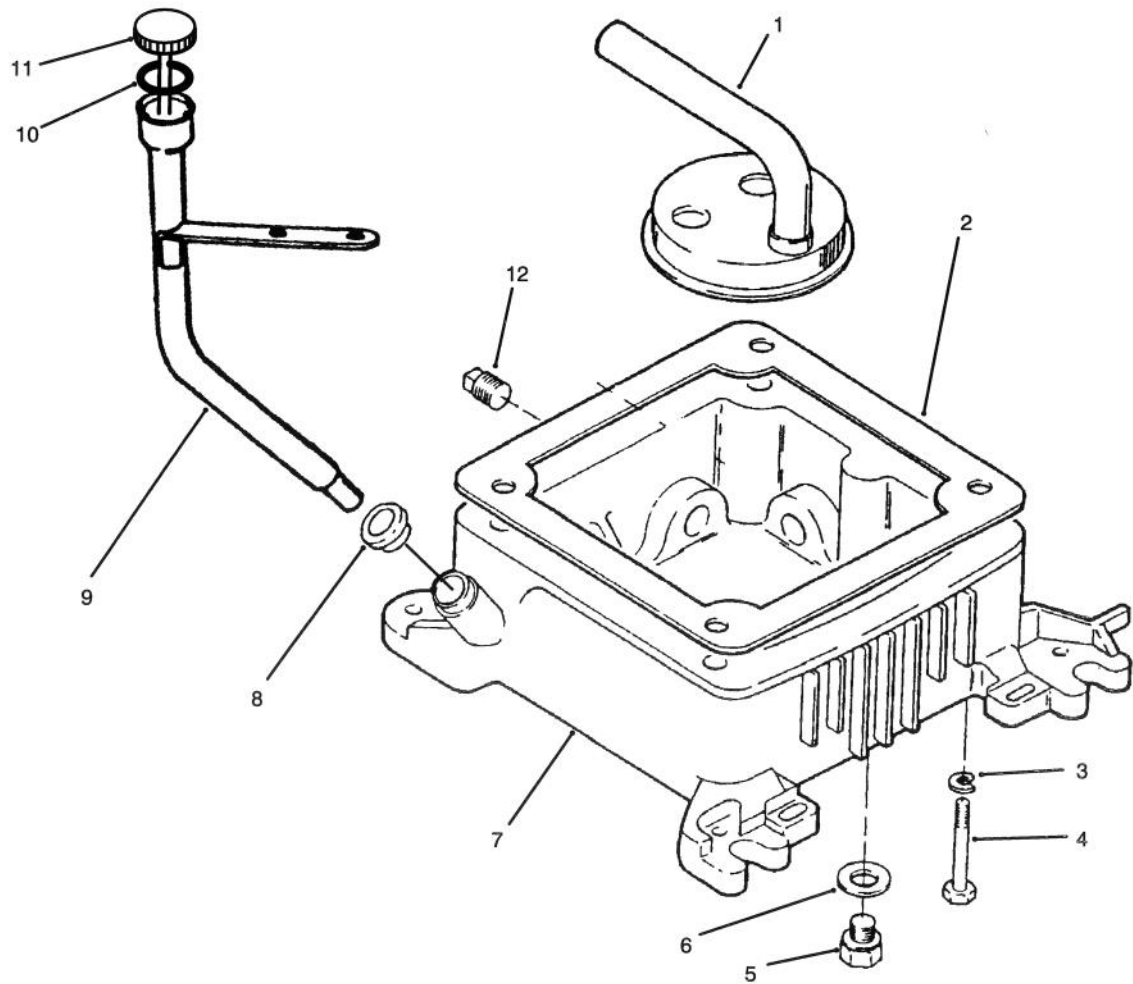


T-1260

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	

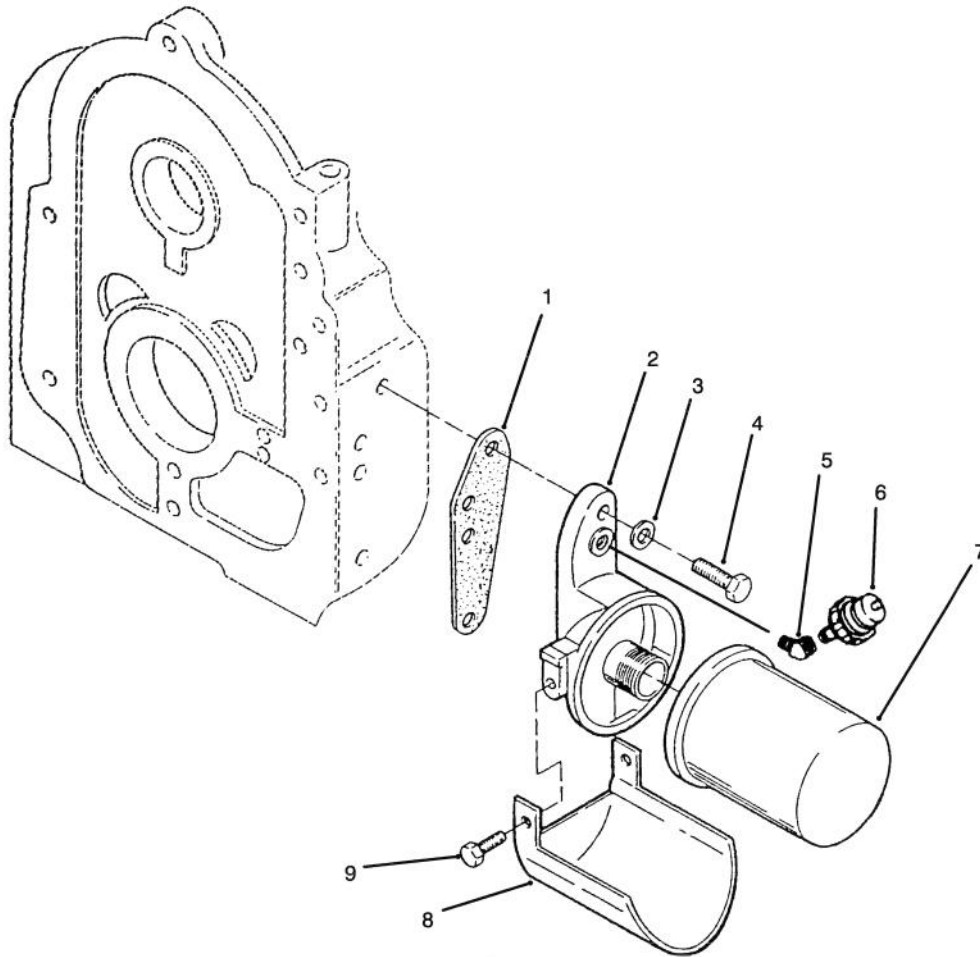


T-1261

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

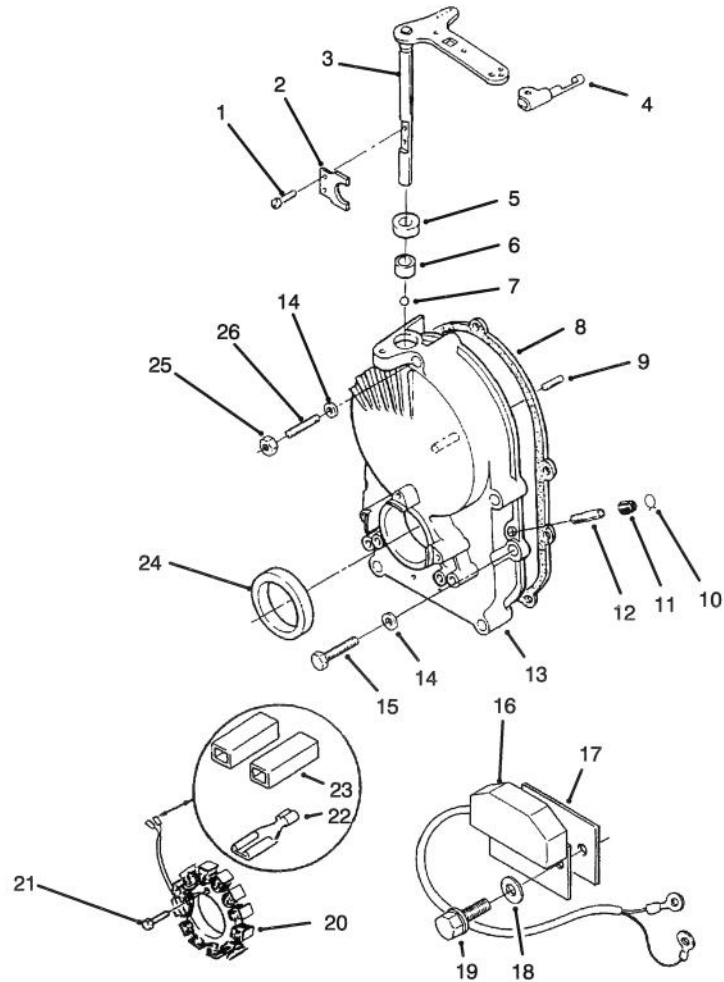


T-1262

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

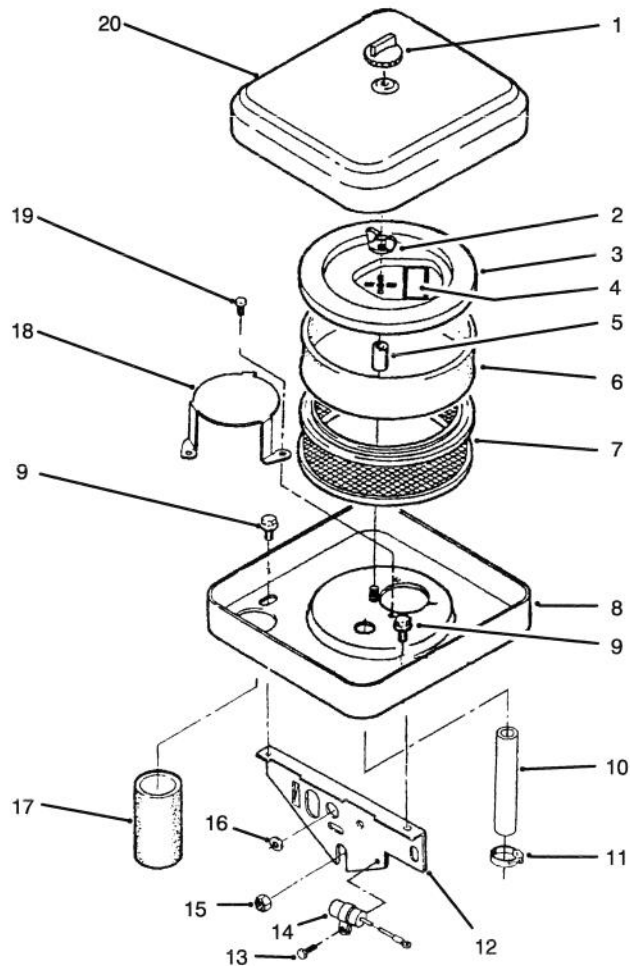


T-1263

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	57-9500	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

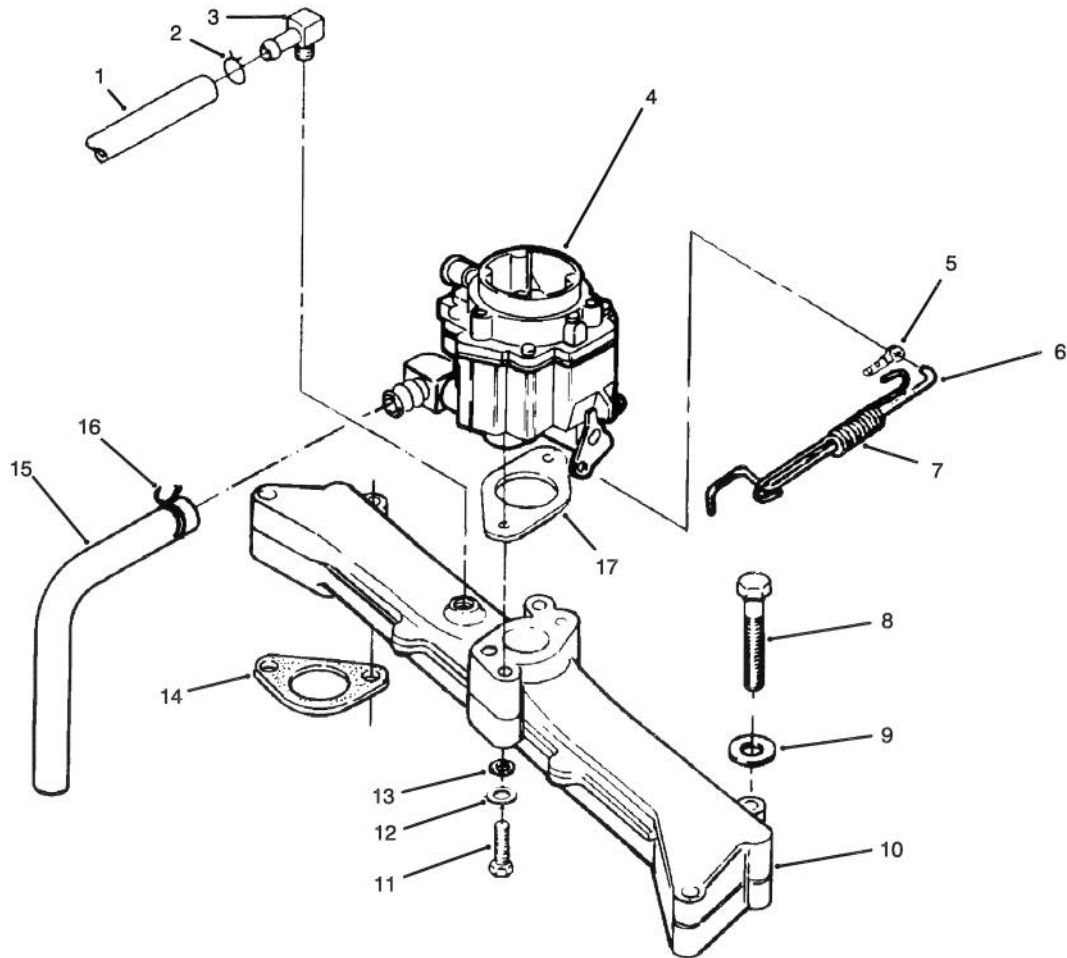
Ref. No.	Part No.	Description	No. Used
14	57-9750	Washer - Flat	5
15	322-9	Screw - Cap Hex. Hd.	4
16	71-6380	Control - Ignition	1
17	71-6410	Insulator - Ignition Module	1
18	82-1660	Washer - Lock	2
19	71-6400	Screw - Hex. Washer Hd.	2
20	57-9440	Stator - 20 Amp.	1
21	71-6390	Screw - Hex. Hd.	3
22	59-0590	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-1264

ENGINE AIR CLEANER ASSEMBLY

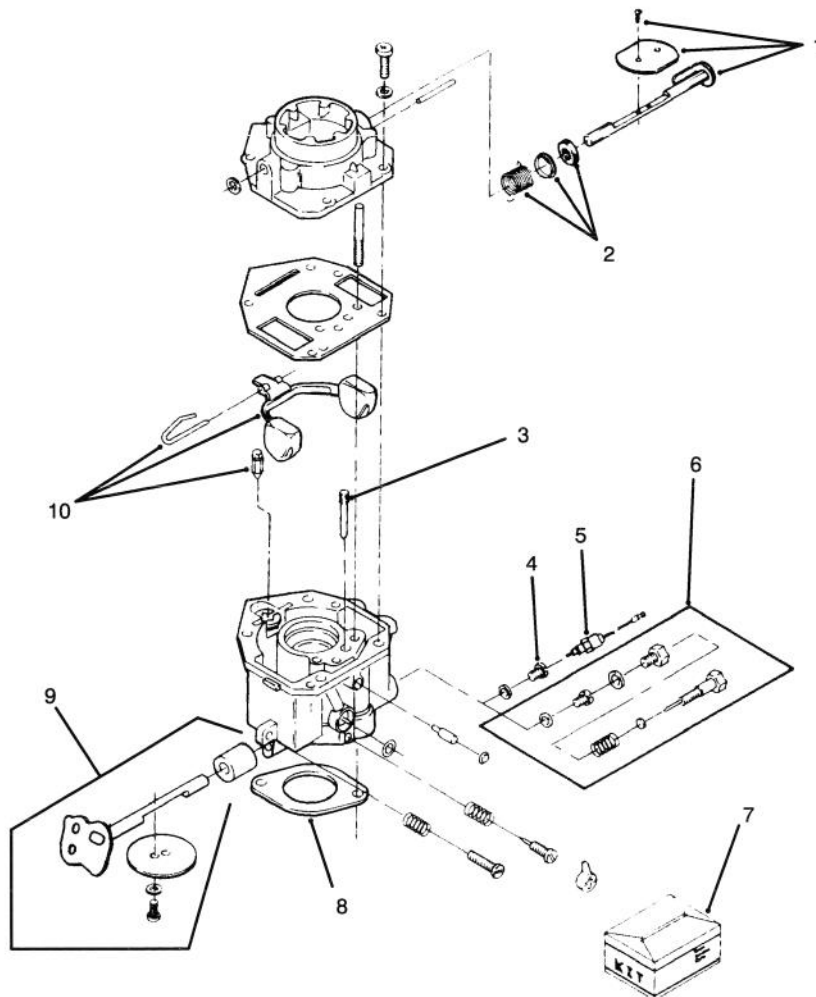
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	82-1760	Knob	1	11	82-1090	Clamp - Hose	1
2	82-1670	Nut - Wing	1	12	82-0720	Support - Air Cleaner	1
3	82-0650	Cover - Inner	1	13	71-6450	Screw - Hex. Hd.	1
4	82-0010	Decal - Air Cleaner Maint.	1	14	59-1180	Condenser	1
5	82-0980	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	18	92-0946	Plate - Air Deflector	1
9	82-1550	Screw - Tapping	2	19	82-1770	Screw - Hex. Washer Hd.	3
10	92-0945	Hose - Breather	1	20	82-0690	Cover - Air Cleaner	1



T-1265

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	82-0770	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



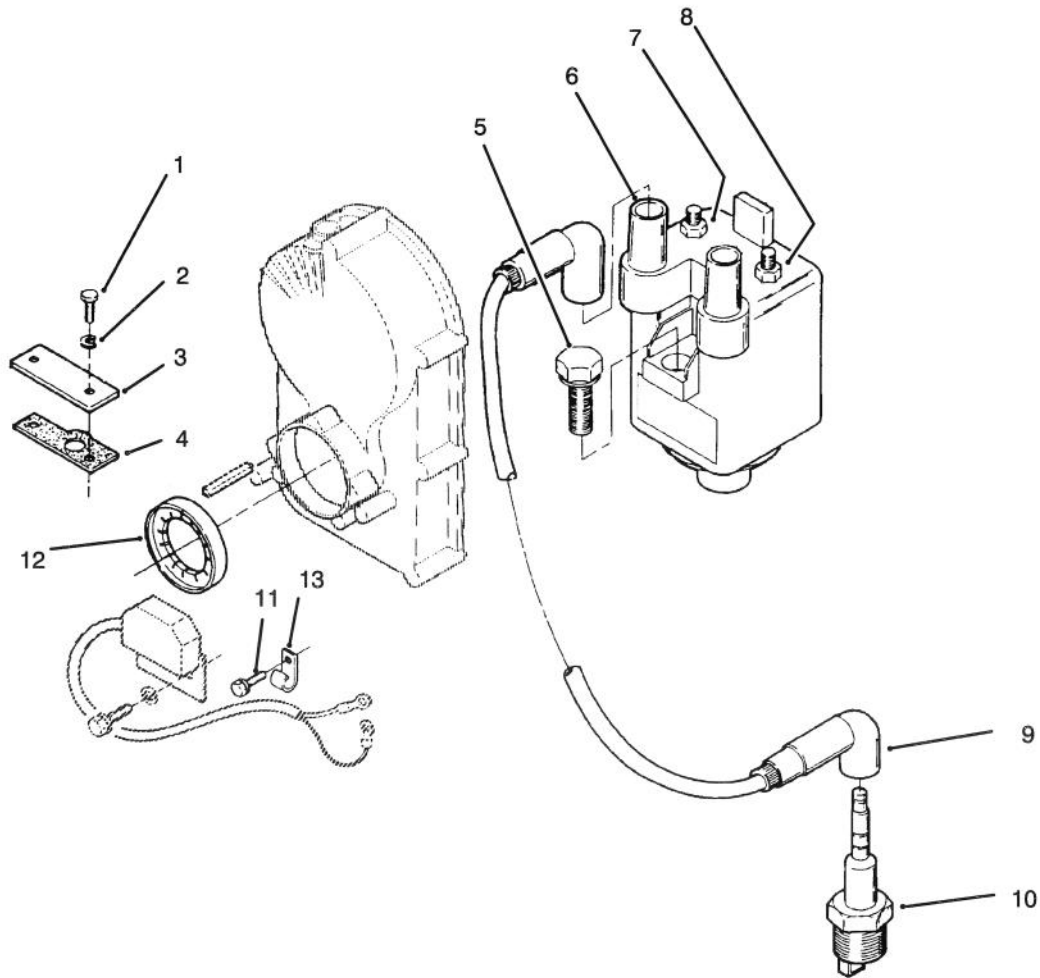
T-1266

ENGINE CARBURETOR ASSEMBLY NO. 82-0770

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	82-0780	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



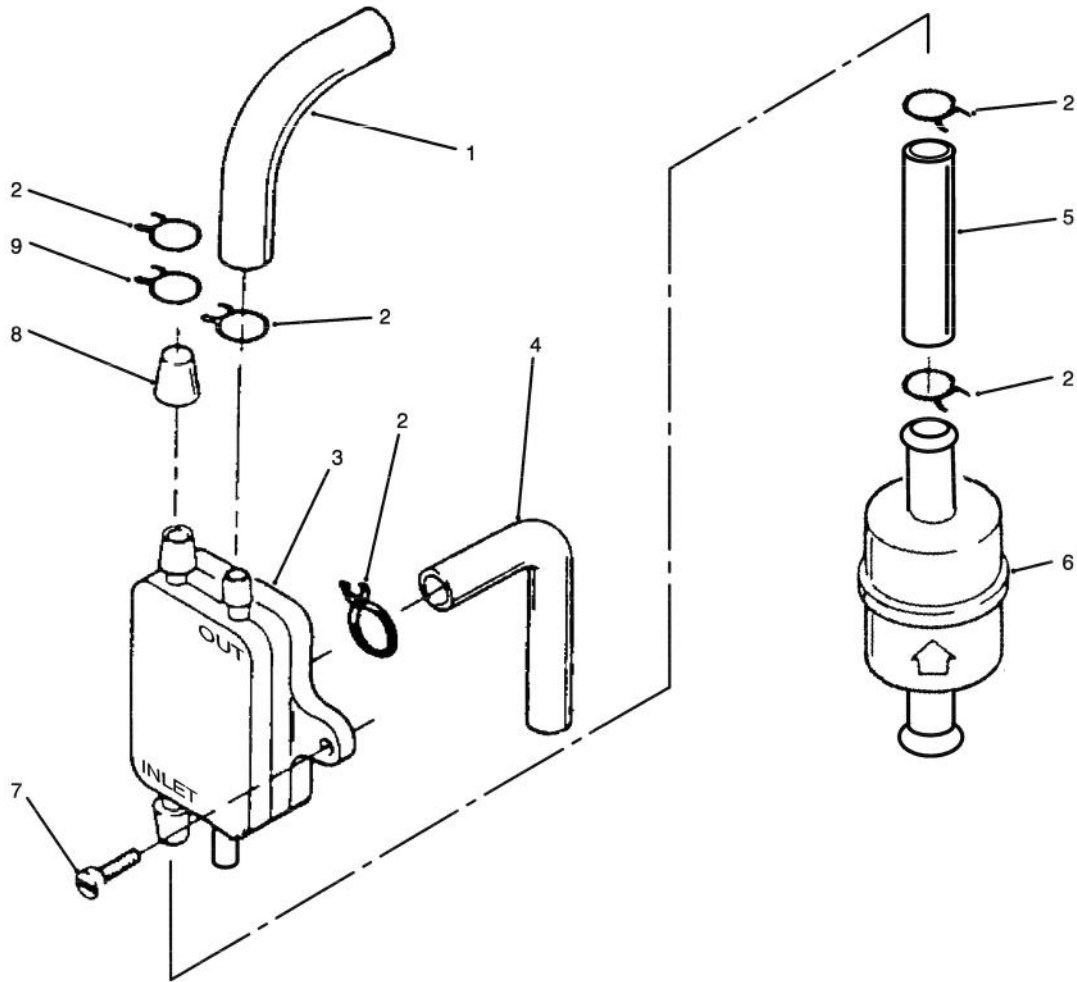
T-1267

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	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

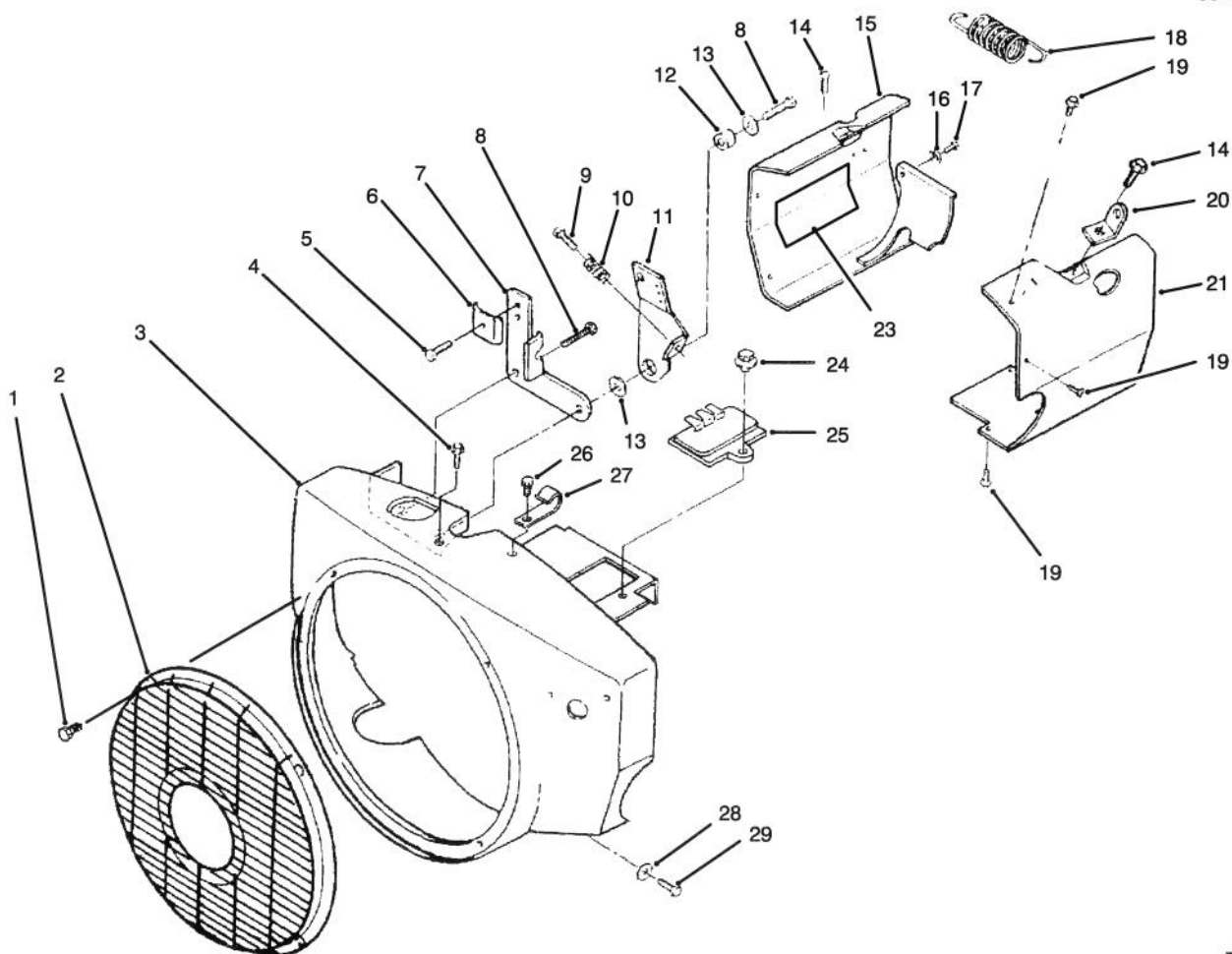


T-1268

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

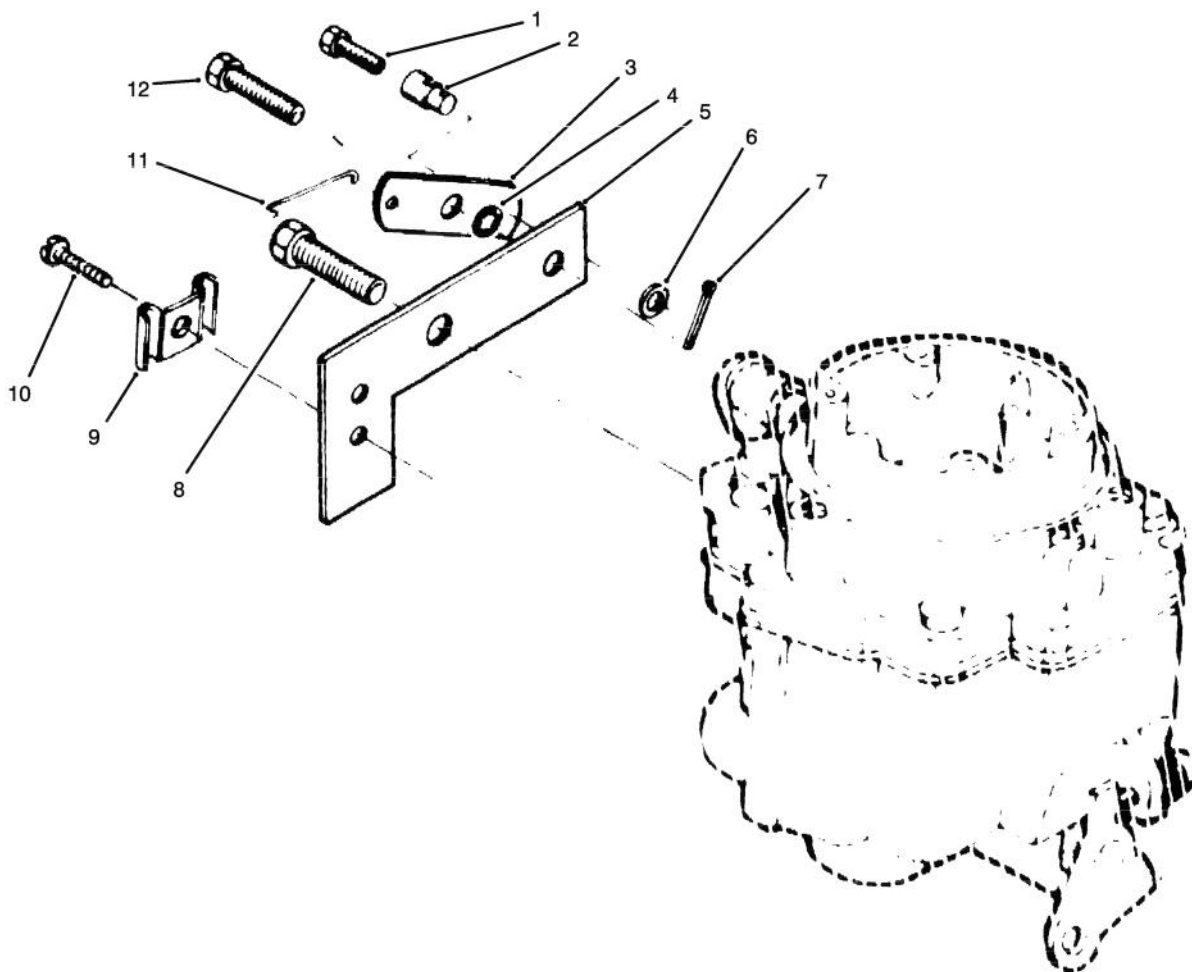


T-1269

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.	2
5	72-3900	Screw - Tapping	1
6	57-9190	Clamp - Cable	1
7	57-9150	Bracket - Cable	1
8	59-1010	Screw - Hex. Washer Hd.	2
9	59-1030	Screw - Tapping	1
10	59-0430	Spring - Idle Setting	1
11	57-9140	Arm - Governor Control	1
12	57-9120	Bushing - Control Arm	1
13	59-0830	Washer - Flat	2
14	82-1600	Screw - Hex. Washer Hd.	2
15	92-0949	Housing - Cylinder LH	1

Ref. No.	Part No.	Description	No. Used
16	59-0830	Washer - Flat	2
17	59-0980	Screw - Tapping	2
18	57-9100	Spring - Governor	1
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



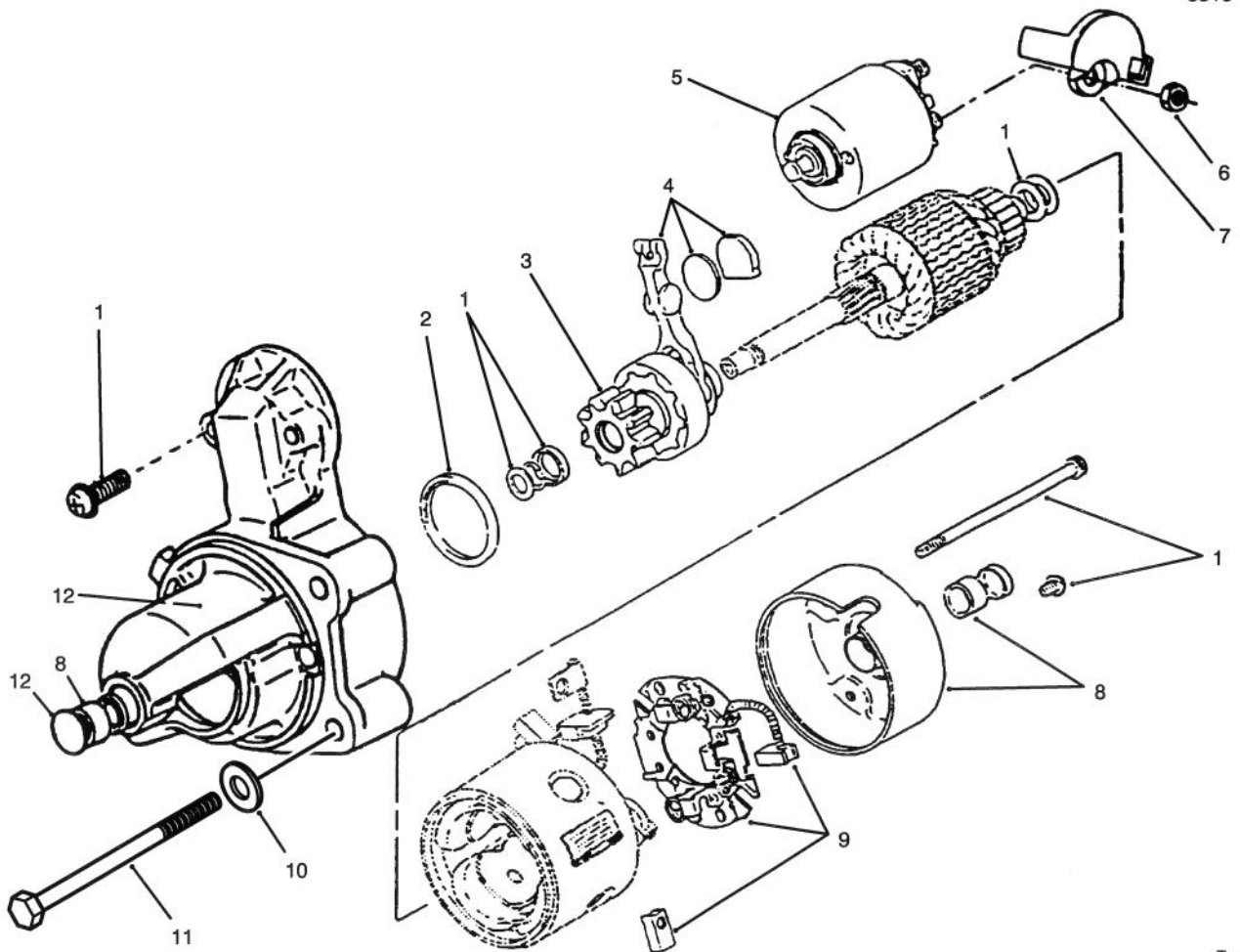
T-1270

ENGINE CHOKE CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72-3890	Screw - Hex. Hd.	1
2	57-9170	Swivel - Choke Lever	1
3	59-0460	Lever - Choke	1
4	82-1660	Washer - Lock	1
5	59-0470	Bracket - Choke Cable	1
6	59-0850	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
7	59-0720	Pin - Cotter	1
8	72-3880	Screw - Hex. Washer Hd.	1
9	57-9190	Clip - Choke Cable	1
10	72-3900	Screw - Hex. Washer Hd.	1
11	57-9180	Link - Choke	1
12	59-1020	Screw - Shoulder	1

*Not Illustrated



T-1271

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

INTERNATIONAL DECAL CROSS REFERENCE

JAPANESE DECAL KIT NO. 93-1657

SWEDISH DECAL KIT NO. 93-1658

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	JAPANESE
Panel Control	Tiller Arm	80-9240	83-6090
Decal Instruction	Tiller Arm	80-8020	83-6060
Decal Parking Brake	Tiller Arm	80-8070	83-6120
Decal Danger	Tiller Arm	72-4080	83-6010
Decal Warning	Main Frame	80-8090	83-6050
Decal Filter	Main Frame	92-9542	93-1651
Panel Engine Control	Control Panel	80-8110	83-6100
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-6080
Plate Hot Surface	Muffler Guard	80-8290	83-6130
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-6140
Decal Warning	Drive Shield	80-8000	83-6070
Decal Warning	Drive Shield	80-8040	83-6030
Decal Danger	Pump Mount	80-8760	83-6040
Decal Danger	Accumulator	80-8030	83-6020
Decal Warning	Accumulator	80-8880	83-6110
Decal Warning	Lift Actuator	80-8010	83-6150

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	SWEDISH
Panel Control	Tiller Arm	80-9240	83-5500
Decal Instruction	Tiller Arm	80-8020	83-5430
Decal Parking Brake	Tiller Arm	80-8070	83-5460
Decal Danger	Tiller Arm	72-4080	83-5410
Decal Warning	Main Frame	80-8090	83-5540
Decal Filter	Main Frame	92-9542	93-1652
Panel Engine Control	Control Panel	80-8110	83-5530
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-5510
Plate Hot Surface	Muffler Guard	80-8290	83-5470
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-5490
Decal Warning	Drive Shield	80-8000	83-5420
Decal Warning	Drive Shield	80-8040	83-5450
Decal Danger	Pump Mount	80-8760	83-5550
Decal Danger	Accumulator	80-8030	83-5440
Decal Warning	Accumulator	80-8880	83-5520
Decal Warning	Lift Actuator	80-8010	83-5480

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)

ITALIAN DECAL KIT NO. 93-1659

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	ITALIAN
Panel Control	Tiller Arm	80-9240	83-5640
Decal Instruction	Tiller Arm	80-8020	83-5690
Decal Parking Brake	Tiller Arm	80-8070	83-5680
Decal Danger	Tiller Arm	72-4080	83-5560
Decal Warning	Main Frame	80-8090	83-5620
Decal Filter	Main Frame	92-9542	93-1653
Panel Engine Control	Control Panel	80-8110	83-5670
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-5610
Plate Hot Surface	Muffler Guard	80-8290	83-5650
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-5660
Decal Warning	Drive Shield	80-8000	83-5570
Decal Warning	Drive Shield	80-8040	83-5600
Decal Danger	Pump Mount	80-8760	83-5700
Decal Danger	Accumulator	80-8030	83-5590
Decal Warning	Accumulator	80-8880	83-5630
Decal Warning	Lift Actuator	80-8010	83-5580

GERMAN DECAL KIT NO. 93-1660

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	GERMAN
Panel Control	Tiller Arm	80-9240	83-5820
Decal Instruction	Tiller Arm	80-8020	83-5850
Decal Parking Brake	Tiller Arm	80-8070	83-5790
Decal Danger	Tiller Arm	72-4080	83-5710
Decal Warning	Main Frame	80-8090	83-5780
Decal Filter	Main Frame	92-9542	93-1654
Panel Engine Control	Control Panel	80-8110	83-5830
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-5840
Plate Hot Surface	Muffler Guard	80-8290	83-5760
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-5770
Decal Warning	Drive Shield	80-8000	83-5720
Decal Warning	Drive Shield	80-8040	83-5730
Decal Danger	Pump Mount	80-8760	83-5810
Decal Danger	Accumulator	80-8030	83-5800
Decal Warning	Accumulator	80-8880	83-5740
Decal Warning	Lift Actuator	80-8010	83-5750

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)**SPANISH DECAL KIT NO. 93-1661****FRENCH DECAL KIT NO. 93-1662**

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	SPANISH
Panel Control	Tiller Arm	80-9240	83-5980
Decal Instruction	Tiller Arm	80-8020	83-5900
Decal Parking Brake	Tiller Arm	80-8070	83-5970
Decal Danger	Tiller Arm	72-4080	83-5860
Decal Warning	Main Frame	80-8090	83-5870
Decal Filter	Main Frame	92-9542	93-1655
Panel Engine Control	Control Panel	80-8110	83-5960
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-6000
Plate Hot Surface	Muffler Guard	80-8290	83-5930
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-5940
Decal Warning	Drive Shield	80-8000	83-5920
Decal Warning	Drive Shield	80-8040	83-5890
Decal Danger	Pump Mount	80-8760	83-5990
Decal Danger	Accumulator	80-8030	83-5910
Decal Warning	Accumulator	80-8880	83-5880
Decal Warning	Lift Actuator	80-8010	83-5950

DESCRIPTION	LOCATION	PART NUMBER	
		ENGLISH	FRENCH
Panel Control	Tiller Arm	80-9240	83-6280
Decal Instruction	Tiller Arm	80-8020	83-6180
Decal Parking Brake	Tiller Arm	80-8070	83-6290
Decal Danger	Tiller Arm	72-4080	83-6160
Decal Warning	Main Frame	80-8090	83-6190
Decal Filter	Main Frame	92-9542	93-1656
Panel Engine Control	Control Panel	80-8110	83-6270
Plate Engine Control	Control Panel	N/A	80-9530
Panel Control	Control Panel	80-8150	83-6260
Plate Hot Surface	Muffler Guard	80-8290	83-6230
Plate Hot Surface	Exhaust Pipe Guards	80-9350	83-6240
Decal Warning	Drive Shield	80-8000	83-6250
Decal Warning	Drive Shield	80-8040	83-6210
Decal Danger	Pump Mount	80-8760	83-6300
Decal Danger	Accumulator	80-8030	83-6170
Decal Warning	Accumulator	80-8880	83-6200
Decal Warning	Lift Actuator	80-8010	83-6220

TORO PART NUMBER INDEX

3316-175

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-6498	Washer - Thrust	19 12 1	57-9190	Clip - Choke Cable	46 9 1
3-6781	Washer - Thrust	31 17 2	57-9260	Gasket - Plate	43 4 1
7-0238	Key - Clutch	14 4 1	57-9340	Plug - Spark	43 10 2
10-6850	Drum - Brake	3 18 1	57-9360	Bearing - Flanged	33 * 1
10-6830	Stud - Drive	29 20 8	57-9440	Stator - 20 Amp.	39 20 1
10-6830	Stud - Drive	3 25 4	57-9490	Switch - Low Oil Pressure	38 6 1
10-6870	Hub - Wheel	3 19 1	57-9500	Seal - Governor Shaft	39 5 1
14-4179	Hood	8 6 1	57-9550	Clamp - Cap	39 10 1
14-4189	Tank - Fuel	5 4 1	57-9550	Clamp - Hose	44 9 1
14-5169	Shield - Drive	14 38 1	57-9580	Seal - Crankshaft	39 24 1
14-5199	Cover - Control	1 6 1	57-9590	Seal - Oil	32 17 1
14-5209	Mount - Pump	19 6 1	57-9610	Seal - O-Ring	37 10 1
14-5219	Lift Actuator Assembly	29 11 1	57-9630	Ball - Governor Shaft	39 7 1
14-5229	Guard - Muffler	13 11 1	57-9640	Ball - Governor	35 4 5
14-5239	Guard - Muffler L.H.	13 19 1	57-9650	Bearing - Governor Shaft	39 6 1
14-5249	Guard - Muffler R.H.	13 * 1	57-9660	Key - Crankshaft Gear	35 14 1
14-5259	Valve Assembly	11 36 1	57-9660	Key - Woodruff	35 8 1
14-5289	Head - Pump	24 11 1	57-9700	Clip - Retaining	41 5 1
14-7449	Body - Valve	28 8 1	57-9710	Ring - Retaining	35 13 1
14-7449	Valve Assembly	25 17 1	57-9730	Clip - Retaining	39 4 1
26-3790	Nut - Spindle	3 22 1	57-9740	Washer - Flat	32 20 2
27-2360	Switch - Ignition	11 41 1	57-9750	Washer - Flat	38 3 2
28-3680	Tire	3 20 1	57-9750	Washer - Flat	39 14 5
28-3680	Tire	29 22 2	57-9760	Washer - Flat	34 55 1
29-6162	Switch - Micro	19 31 2	57-9770	Washer - Mounting Screw	47 10 2
40-8200	Switch - Micro	2 34 1	57-9800	Bearing - Flanged	33 * 1
42-3560	Bolt - Shoulder	22 12 1	59-0010	Bearing - Flanged	33 * 1
42-3560	Bolt - Shoulder	12 28 2	59-0020	Bearing - Crank (.002 US)	32 * 1
44-8320	Spring - Compression	15 2 3	59-0030	Bearing - Crank (.020 US)	32 * 1
52-5980	Spacer	13 36 2	59-0040	Bearing - Crank (.030 US)	32 * 1
56-2230	Hose - Fuel	5 11 1	59-0360	Tube - Vacuum Port	39 12 1
56-2241	Hose - Fuel	5 7 1	59-0370	Cap - Vacuum Port	39 11 1
56-2241	Hose - Fuel	13 30 1	59-0370	Fitting - Cap	44 8 1
56-2520	Valve - Fuel Shut-Off	5 9 1	59-0400	Pin - Center	35 7 1
57-8000	Bearing - Camshaft	32 16 2	59-0420	Yoke - Governor Shaft	39 2 1
57-8010	Gasket - Bearing Plate	32 14 1	59-0430	Spring - Idle Setting	45 10 1
57-8020	Bearing - Flanged (Std.)	33 37 1	59-0440	Shaft/Arm - Governor	39 3 1
57-8030	Bearing - Flanged	33 * 1	59-0450	Cup - Governor	35 3 1
57-8050	Bearing - Crank (Std.)	32 12 1	59-0460	Lever - Choke	46 3 1
57-8060	Bearing - Crank (.010 US)	32 * 1	59-0470	Bracket - Choke Cable	46 5 1
57-8070	Gasket - Plug	37 6 1	59-0590	Terminal - Stator Leads	39 22 3
57-8140	Washer - Gear Retaining	35 12 1	59-0640	Fitting - 45° Elbow	38 5 1
57-8150	Screw - Cap Hex. Hd.	36 1 1	59-0720	Pin - Cotter	46 7 1
57-8160	Washer - Thrust	32 13 2	59-0730	Pin - Bearing Stop	32 18 4
57-8170	Shim - Crankshaft	33 38 A/R	59-0740	Pin - Dowel	39 9 1
57-8210	Camshaft Gear Assembly	35 5 1	59-0750	Pin - Alignment	33 39 2
57-8230	Washer - Thrust	35 6 1	59-0760	Plug - Hole	33 46 1
57-8250	Spring - Valve	32 27 4	59-0770	Breather Hole Plug	34 * 1
57-8270	Rotator - Valve	33 30 2	59-0790	Stud - Cover	39 26 1
57-8450	Tappet - Valve	33 29 4	59-0810	Washer - Flat	36 3 1
57-8460	Gasket Kit - Oil Pump	33 51 1	59-0820	Washer - Flat	45 28 4
57-8470	Plunger - Bypass Valve	33 53 1	59-0830	Washer - Flat	45 13 2
57-8480	Oil Pump Assembly	33 50 1	59-0830	Washer - Flat	45 16 2
57-8500	Spring - Bypass Valve	33 52 1	59-0850	Washer - Flat	46 6 2
57-8530	Filter - Oil	38 7 1	59-0910	Screw - Cap Hex. Hd.	33 54 1
57-8580	Baffle - Breather Tube	32 4 1	59-0950	Screw - Pan Hd.	39 1 2
57-9080	Pump - Fuel	44 3 1	59-0980	Screw - Tapping	45 17 2
57-9090	Ring - Retaining	35 1 1	59-1010	Screw - Hex. Washer Hd.	45 8 2
57-9100	Spring - Governor	45 18 1	59-1020	Screw - Shoulder	46 12 1
57-9120	Bushing - Control Arm	45 12 1	59-1030	Screw - Tapping	45 9 1
57-9130	Hub - Governor Cup	35 2 1	59-1050	Screw - Tapping Pan Hd.	44 7 2
57-9140	Arm - Governor Control	45 11 1	59-1080	Screw - Hex. Flange Hd.	45 24 1
57-9150	Bracket - Cable	45 7 1	59-1080	Screw - Hex. Washer Hd.	45 19 4
57-9170	Swivel - Choke Lever	46 2 1	59-1100	Screw - Hex. Washer Hd.	45 4 2
57-9180	Link - Choke	46 11 1	59-1130	Nut - Hex.	39 25 1
57-9190	Clamp - Cable	45 6 1	59-1180	Condenser	40 14 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
61-2990	Plate - Back Up	20 60 1	71-6460	Screw - Hex. Flange Hd.	43 5 2
62-2730	Starter Bushing Kit	47 8 1	72-3860	Kit - Choke Shaft	42 1 1
62-2740	Starter Brush Kit	47 9 1	72-3870	Kit - Choke Lever	42 2 1
62-2750	Brush Mounting Kit	47 12 1	72-3880	Screw - Hex. Washer Hd.	46 8 1
62-2760	Starter Hardware Kit	47 1 1	72-3890	Screw - Hex. Hd.	46 1 1
62-2770	Starter Shift Lever Kit	47 4 1	72-3900	Screw - Hex. Washer Hd.	46 10 1
62-2800	Float Assembly	42 10 1	72-3900	Screw - Tapping	45 5 1
63-8360	Key - Ignition	11 9 1	72-3930	Starter Solenoid Kit	47 5 1
63-8410	Washer	5 35 4	72-3940	Starter Clutch Kit	47 3 1
65-4500	Seal - Snap Ring	4 14 1	72-3950	Dust Seal Kit	47 2 1
65-4550	Valve - Check Ball	4 6 2	72-4080	Decal - Danger (English)	2 61 1
65-4560	Plug - Hex. Hollow	4 3 1	72-4310	Switch - Ball N.C.	29 36 1
65-4570	Seal - Square Ring	4 4 2	72-4320	Switch - Ball	25 44 1
65-4600	Washer - Thrust	4 19 2	74-0720	Tube - Manual	2 49 1
65-4610	Bearing - Thrust	4 20 1	76-2350	Seal & Retainer Assembly	4 * 1
65-4620	Seal - O-Ring	4 12 1	76-2360	Body Seal Kit	4 * 1
65-4640	Key - Square	3 7 1	76-8640	Stud	19 15 1
65-8970	Knob	12 3 1	79-6470	Gasket - Oil Filter Adaptor	38 1 1
65-8970	Knob	1 20 1	80-5080	Support - Manifold	25 26 1
66-2490	Clamp - Battery	13 2 1	80-5120	Arm - Lift	29 33 2
66-2950	Hourmeter	11 11 1	80-5140	Lever - Lift	29 12 1
66-4160	Spring - Extension	12 29 1	80-5200	End Cap - Roller	31 2 4
66-5293	Motor - Hydraulic	3 6 1	80-5240	Housing - Gear Box	16 3 1
67-7050	Field Rotor Assembly	15 1 1	80-5260	Cover - Gear Box	16 5 1
67-7100	Plate - Brake	15 3 1	80-5280	Gear	16 22 1
67-7130	Diode	10 1 1	80-5300	Housing - Bearing	16 19 1
67-7310	Decal - TORO	8 11 1	80-5320	Housing - Pinion Bearing	16 17 1
67-8110	Element - Oil Filter	11 27 1	80-5330	Sleeve - Follower	16 2 1
69-1170	Glass - Sight	16 28 1	80-5380	Manifold	25 27 1
70-1480	Relay	11 29 5	80-5430	Clutch - Water Pump	14 2 1
70-8170	Ring - Snap	4 21 1	80-5450	Hydraulic Pump Assembly	19 48 1
70-8631	Cap - Fuel	5 5 1	80-5460	Body & Bearing Assembly	4 9 1
70-9840	Shoe - Brake	3 17 2	80-5470	Cover & Bearing Assembly	4 2 1
70-9850	Clip - Retaining	3 8 1	80-5480	Screw - Cap Hex. Hd.	4 1 8
70-9860	Pivot - Brake	3 26 1	80-5490	IGR Assembly	4 5 1
70-9870	Plate - Brake	3 13 1	80-5500	Shaft	4 10 1
70-9880	Spring - Brake	3 16 2	80-5520	Cover Tube Assembly	30 11 1
71-1500	Brake Assembly	3 * 1	80-5530	Clutch Assembly	30 4 1
71-4170	Switch - Toggle	2 52 1	80-5540	Motor Assembly	30 10 1
71-5960	Filter - Fuel	44 6 1	80-5550	Seal Kit	30 * 1
71-5960	Filter - Fuel	13 28 1	80-5560	Flange Bearing Assembly	29 34 2
71-5990	Plate - Ignition Plunger	43 3 1	80-5570	Retainer - Valve Spring	28 15 1
71-6000	Coil - Ignition	43 6 1	80-5580	Follower - Cam	25 18 1
71-6010	Rotor - Ignition	43 12 1	80-5590	Pilot - Gear Box	28 18 1
71-6020	Cable - Spark Plug (18.5)	43 * 1	80-5600	Spool - Valve	28 1 1
71-6030	Regulator - Voltage	45 25 1	80-5630	Valve - Check	24 9 6
71-6040	Starter Assembly	47 * 1	80-5640	Gauge - Pressure	11 5 1
71-6080	Bracket - Lifting	45 20 2	80-5650	Muffler	13 7 1
71-6100	Hose - Fuel (Cut to 5)	44 5 1	80-5720	Retainer - Seal	24 2 3
71-6100	Line - Pulse (Cut to 7)	44 4 1	80-5730	Ring - Head Back-Up	24 6 3
71-6140	Grommet - Rubber	40 16 1	80-5730	Ring - Head Back-Up	28 30 1
71-6170	Seal - Oil Fill Tube	37 8 1	80-5740	Seal - Packing	28 29 1
71-6190	Key - Flywheel	36 5 1	80-5740	Seal - Packing Vee	24 5 3
71-6220	Clip - Wire	43 13 1	80-5750	Support - Seal/Plunger	24 4 3
71-6220	Clip - Wire	45 27 1	80-5751	Support - Seal/Plunger	28 28 1
71-6240	Screw - Hex. Flange Hd.	32 19 5	80-5760	Seal - U-Cup	24 3 3
71-6350	Gear Case Assembly	39 13 1	80-5760	Seal - U-Cup	28 26 1
71-6380	Control - Ignition	39 16 1	80-5770	Spring - Compression	28 16 1
71-6390	Screw - Hex. Hd.	39 21 3	80-5780	Seal - O-Ring	28 3 1
71-6400	Screw - Hex. Washer Hd.	39 19 2	80-5780	Seal - O-Ring	25 39 1
71-6410	Insulator - Ignition Module	39 17 1	80-5781	Seal - Check Valve	24 10 6
71-6420	Cable - Spark Plug (9)	43 9 1	80-5782	Seal - O-Ring	25 16 2
71-6430	Hut - Hex. Flange	43 8 1	80-5782	Seal - O-Ring	24 20 1
71-6440	Nut - Hex. Flange	43 7 1	80-5782	Seal - O-Ring	28 37 1
71-6450	Screw - Hex. Flange Hd.	43 11 1	80-5784	Seal - O-Ring	25 6 2
71-6450	Screw - Hex. Hd.	40 13 1	80-5784	Seal - O-Ring	26 9 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3316-175

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
80-5786	Seal - O-Ring	25	37	11	80-7340	Hose - Water	7	11	3
80-5791	Seal - O-Ring	24	8	6	80-7341	Hose - Water	7	6	4
80-5791	Seal - O-Ring	25	28	2	80-7344	Hose - Water	7	1	1
80-5793	Seal - O-Ring	25	4	2	80-7346	Hose - Water	7	8	2
80-5794	Seal - O-Ring	25	2	1	80-7350	Hose - Hydraulic	11	28	1
80-5794	Seal - O-Ring	24	12	1	80-7350	Hose - Hydraulic	19	28	1
80-5920	Key - Collar	22	20	1	80-7360	Hose	17	35	1
80-6090	Key - Pump	20	49	1	80-7360	Hose - Hydraulic	19	39	1
80-6110	Charge Relief Valve Kit	21	*	1	80-7370	Hose - Hydraulic	3	33	2
80-6120	Check Valve Kit	21	1	1	80-7370	Hose - Hydraulic	8	35	2
80-6130	Overhaul Seal Kit	21	*	1	80-7400	Lever - Brake	3	12	1
80-6140	Key - Clutch	14	1	1	80-7460	Support - Pump	20	55	1
80-6512	Hose - Water	7	2	1	80-7540	Stop - Speed	12	9	1
80-6514	Hose - Water	7	14	1	80-7580	Rod - Speed Adjustment	12	14	2
80-6515	Hose - Water	7	7	1	80-7590	Spacer	12	16	1
80-6516	Hose - Water	7	4	1	80-7600	Pin - Pivot	12	22	1
80-6517	Hose - Water	7	12	1	80-7630	Neutral Lever Assembly	19	18	1
80-6520	Hose - Water	7	13	1	80-7660	Seal - Button	11	6	1
80-6521	Hose - Gage	24	17	1	80-7670	Plate - Speed Control	12	5	1
80-6521	Hose - Gage	28	34	1	80-7680	Support - Muffler	13	16	2
80-6580	Hub Assembly	29	21	2	80-7700	Bracket - Support	13	24	1
80-6600	Bracket - Spring	22	13	1	80-7710	Sleeve - Idler Bracket	22	9	1
80-6610	Spring - Extension	19	17	1	80-7730	Spacer	12	19	3
80-6620	Spring - Extension	22	10	1	80-7770	Tab - Switch	19	9	1
80-6630	Tube - Hydraulic	8	31	1	80-7780	Keeper - Latch	8	15	2
80-6640	Tube - Hydraulic	8	30	1	80-7790	Bracket - Alarm	1	11	1
80-6650	Pulley - Water Pump	22	17	1	80-7800	Lever - Pump	19	30	1
80-6660	Collar - Taper Lock	22	19	1	80-7830	Arm - Pivot	12	23	1
80-6720	Belt - V	19	1	1	80-7870	Spring - Extension	29	5	2
80-6730	Belt - V	22	18	2	80-7880	Bolt - U	11	37	2
80-6740	Hose - Water	5	3	1	80-7890	Spring - Compression	12	7	1
80-6791	Battery	13	1	1	80-7900	Panel - Control	11	12	1
80-6900	Bracket - Switch	2	33	1	80-7960	Bracket - Return	29	9	1
80-6980	Latch Assembly	8	25	2	80-7970	Tube - Return	29	8	1
80-6990	Washer - Thrust	31	24	4	80-8000	Decal - Warning (English)	14	39	1
80-7000	Arm - Pivot	12	11	1	80-8010	Decal - Warning (English)	29	10	1
80-7020	Fitting - Breather	16	6	1	80-8010	Decal - Warning (English)	30	12	1
80-7020	Vent - Filter	23	2	1	80-8020	Decal - Instruction	2	56	1
80-7030	Shim - Pinion Bearing	16	16	1	80-8030	Decal - Danger	26	6	1
80-7031	Shim - Pinion Bearing	16	*	1	80-8030	Decal - Danger (English)	25	8	2
80-7032	Shim - Pinion Bearing	16	*	1	80-8040	Decal - Warning (English)	14	41	1
80-7033	Shim - Pinion Bearing	16	*	1	80-8050	Decal - Hydroject 3000	8	29	2
80-7040	Shim - Gear/Cam Bearing	16	20	1	80-8070	Decal - Parking Brake	2	58	1
80-7041	Shim - Gear/Cam Bearing	16	*	1	80-8090	Decal - Warning (English)	8	21	3
80-7042	Shim - Gear/Cam Bearing	16	*	1	80-8110	Panel - Engine Control	12	2	1
80-7043	Shim - Gear/Cam Bearing	16	*	1	80-8150	Panel - Control (English)	12	31	1
80-7050	Shim - Gear Box	14	17	2	80-8170	Pulley - Hydraulic Pump	19	4	1
80-7051	Shim - Gear Box	14	*	2	80-8180	Hub - Adapter	14	16	1
80-7052	Shim - Gear Box	14	*	2	80-8210	Feeder - Manifold	25	38	1
80-7053	Shim - Gear Box	14	*	2	80-8220	Cap - Check Valve	24	7	6
80-7060	Shaft - Override	2	45	1	80-8220	Plug	25	29	2
80-7070	Relief Valve Assembly	25	14	1	80-8230	Plug	25	41	1
80-7080	Housing	2	40	1	80-8270	Bracket - Adjustment	29	4	1
80-7110	Handle - Traction Control	1	16	1	80-8280	Rod - Control	11	2	1
80-7150	Spring - Compression	2	43	2	80-8290	Plate - Hot Surface	13	14	3
80-7160	Arm - Traction	2	51	1	80-8330	Pivot - Roller	31	16	2
80-7190	Shaft - Pivot	1	14	1	80-8340	Shaft - Pinion	16	12	1
80-7200	Spacer - Brake	1	18	1	80-8360	Pulley - Idler	22	4	1
80-7220	Stroke Control Cable Assy.	2	38	1	80-8400	Lever - Speed Control	12	4	1
80-7220	Stroke Control Cable Assy.	19	45	1	80-8430	Cable - Speed Control	12	26	1
80-7230	Hub - Override	2	44	1	80-8440	Control - Throttle	11	19	1
80-7270	Choke Control Assembly	11	1	1	80-8460	Seal - O-Ring	28	5	1
80-7310	Breaker - Circuit	11	31	1	80-8470	Ring - Support	28	6	1
80-7320	Fitting - Adapter	19	40	1	80-8500	Cam	16	23	1
80-7330	Hose - Hydraulic	19	24	2	80-8510	Block - Weight	16	27	1
80-7330	Hose - Hydraulic	8	45	2	80-8530	Flange - Bearing	31	6	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.	
		No.	Qty.			No.	Qty.
80-8550	Flange - Bearing	31	5 4	80-9780	Stop - Clutch	14	33 1
80-8560	Washer	14	27 1	80-9790	Shaft - Steering Pivot	3	5 1
80-8570	Washer	14	15 1	80-9800	Flange - Nozzle	25	35 11
80-8580	Guard - Belt	8	43 1	80-9830	Tube - Hydraulic	11	26 1
80-8600	Water Filter Assembly	5	* 1	80-9840	Plate - Valve	4	7 1
80-8610	Bracket - Filter	5	14 1	80-9890	Clamp - Valve	25	13 1
80-8620	Spacer - Coupler	14	23 2	80-9900	Fitting - Valve	25	15 1
80-8650	Disc - Rubber	14	12 1	80-9910	Disc - Rubber	14	11 1
80-8660	Spacer - Coupling	14	22 2	80-9920	Spacer - Coupler	14	37 2
80-8680	Stud	25	20 2	80-9940	Decal - Service Check	13	41 1
80-8680	Stud	2	32 3	80-9950	Decal - Quick Reference	13	42 1
80-8680	Stud - Mounting	22	22 2	80-9980	Fitting - Extension	25	3 1
80-8690	Pin - Pivot	31	18 2	82-0010	Decal - Air Cleaner Maint.	40	4 1
80-8710	Plate - Side	31	21 2	82-0020	Plate - Bearing Rear	32	15 1
80-8720	Stop - Roller	31	20 4	82-0040	Nut - Hex.	33	40 20
80-8730	Shaft - Roller	31	3 2	82-0060	Crankshaft	35	10 1
80-8740	Roller	31	1 2	82-0070	Washer - Spring Retainer	33	48 2
80-8760	Decal - Danger (English)	19	7 1	82-0080	Insert - Exhaust Valve	32	24 2
80-8880	Decal - Warning	26	7 1	82-0090	Insert - Exhaust Valve	32	* 2
80-8880	Decal - Warning (English)	25	9 2	82-0100	Insert - Exhaust Valve	32	* 2
80-8890	Mount - Valve	11	35 1	82-0110	Insert - Exhaust Valve	32	* 2
80-8930	Sump - Water Filter	5	28 1	82-0120	Insert - Exhaust Valve	32	* 2
80-8940	Valve - Bleed	5	16 1	82-0130	Gasket - Cylinder Head	32	9 2
80-9000	Valve - Accumulator	26	17 1	82-0140	Guide - Exhaust Valve	32	26 2
80-9050	Bracket - Nozzle Rear	8	17 3	82-0150	Guide - Intake Valve	32	* 2
80-9060	Bracket - Nozzle Front	8	20 3	82-0160	Insert - Intake Valve	32	25 2
80-9080	Plate - Hinge	8	10 4	82-0170	Insert - Intake Valve	32	* 2
80-9090	Plate - Back-Up	8	7 2	82-0210	Head - Cylinder	32	10 2
80-9150	Support - Muffler Shield	13	9 1	82-0220	Valve - Intake	32	22 2
80-9170	Bracket - Pulley Guard	19	23 1	82-0230	Valve - Exhaust	32	23 2
80-9180	Shield - Manifold	31	10 2	82-0240	Cap - Exhaust Valve	33	43 2
80-9200	Seal - Back-Up	28	19 1	82-0250	Lock - Valve Spring	33	28 8
80-9220	Retainer - Seal	28	25 1	82-0260	Gasket - Valve Cover	32	6 2
80-9240	Panel - Control (English)	1	3 1	82-0270	Seal - Intake Valve	32	8 2
80-9260	Plate - Back-Up	8	14 2	82-0280	Cover - Valve (Coil)	32	5 1
80-9270	Bracket - Switch	1	9 1	82-0300	Piston Assy. (Std.)	34	60 2
80-9280	Switch Assembly	1	8 2	82-0380	Piston Ring Set (.010 OS)	34	* 2
80-9290	Button - Switch (Green)	1	5 1	82-0390	Piston Ring Set (.020 OS)	34	* 2
80-9300	Button - Push (Red)	2	57 1	82-0400	Piston Ring Set (.030 OS)	34	* 2
80-9310	Spacer - Hinge	8	13 2	82-0410	Bushing - Piston Pin	33	41 2
80-9320	Clamp - Traction	19	35 1	82-0420	Bearing Half - Rod (Std.)	33	35 4
80-9330	Audio Alarm Assembly	1	12 1	82-0430	Bearing Half - Rod	33	* 4
80-9350	Plate - Hot Surface	13	18 2	82-0440	Bearing Half - Rod	33	* 4
80-9390	Guide - Valve	28	27 1	82-0450	Bearing Half - Rod	33	* 4
80-9400	Fitting - Straight Bard	24	14 1	82-0460	Bearing Half - Rod	33	* 4
80-9410	Fitting - Adapter	28	31 1	82-0470	Connecting Rod Assembly	34	58 2
80-9450	Decal - Pump	23	6 1	82-0480	Tube - Oil	32	21 1
80-9480	Retainer - Tube	24	16 1	82-0500	Adaptor - Oil Filter	38	2 1
80-9480	Tube - Retainer	28	33 1	82-0510	Drain - Oil Filter	38	8 1
80-9500	Adapter - Bulkhead	8	23 1	82-0530	Clamp - Breather Tube	33	32 1
80-9510	Wrench - Water Filter	5	* 1	82-0540	Tube - Breather	32	3 1
80-9520	Pulley - Engine	14	3 1	82-0550	Breather Cap & Valve	32	2 1
80-9550	Bracket - Relay	11	44 1	82-0560	Screen - Breather Tube	33	33 2
80-9560	Gasket - Pilot	28	35 1	82-0570	Seal - O-Ring	33	34 1
80-9580	Lever - Valve	11	42 1	82-0590	Dipstick Assembly	37	11 1
80-9600	Head - Water Filter	5	30 1	82-0610	Flywheel	36	4 1
80-9610	Bushing - Flange	22	8 2	82-0620	Guard - Stationary	45	2 1
80-9640	Kit - Seal	24	* 1	82-0650	Cover - Inner	40	3 1
80-9650	Kit - Check Valve	24	* 1	82-0660	Element - Air Cleaner	40	7 1
80-9660	Kit - Rebuild	28	* 1	82-0670	Manifold - Intake	41	10 1
80-9710	Spring - Conical	25	32 11	82-0670	Wrapper - Element	40	6 1
80-9730	Guide - Cable	3	2 1	82-0690	Cover - Air Cleaner	40	20 1
80-9740	Cable - Brake	3	10 1	82-0700	Tube - Air Intake	40	17 1
80-9740	Cable - Brake	1	24 1	82-0710	Housing - Air Cleaner	40	8 1
80-9750	Valve - Bleed	28	11 1	82-0720	Support - Air Cleaner	40	12 1
80-9760	Stop - Clutch	14	5 1	82-0740	Kit - Jet	42	6 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3316-175

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
82-0750	Jet - Idle	42 3 1	86-8170	Armature & Hub Assembly	15 5 1
82-0760	Gasket - Carburetor	42 * 1	86-8270	Arm - Steering	3 37 1
82-0770	Carburetor Assembly	41 4 1	86-8290	Support - Cable	3 36 1
82-0780	Carburetor Repair Kit	42 7 1	86-8310	Sleeve - Plunger	28 7 1
82-0790	Jet - Power (Std.)	42 4 1	86-8320	Washer - Slotted	28 23 1
82-0800	Solenoid - Fuel Shut-Off	42 5 1	86-8360	Crankshaft	23 16 1
82-0810	Kit - Throttle Shaft	42 9 1	86-8380	Rod - Connecting	23 14 3
82-0840	Rod - Governor Control	41 6 1	86-8420	Lever - Brake	1 21 1
82-0850	Gasket - Carburetor	42 8 1	86-8450	Cover - Lower	2 50 1
82-0850	Gasket - Carburetor	41 17 1	86-8460	Cap - Battery	13 44 6
82-0860	Gasket - Manifold	41 14 2	86-8470	Cable - Battery (Neg.)	13 39 1
82-0880	Camshaft	35 9 1	86-8480	Cable - Battery (Pos.)	13 * 1
82-0900	Gasket - Oil Base	37 2 1	86-8510	Handle Assembly	1 30 1
82-0910	Gasket - Gear Case	39 8 1	86-8550	Valve Repair Kit	27 * 1
82-0950	Gasket Kit (Engine)	33 47 1	86-8570	Flange - Crankcase	23 26 1
82-0960	Gasket Kit (Carbon Remove)	32 * 1	86-8580	Flange - Crankcase	23 9 1
82-0980	Spacer/Seal	40 5 1	86-8590	Wire Harness Assembly	43 * 1
82-1000	Body - Terminal Connector	39 23 2	86-8600	Spacer - Steering	3 3 1
82-1070	Fitting - 90° Elbow	41 3 1	86-8610	Screw - Hex. Flange Hd.	25 34 22
82-1080	Clamp - Hose	44 2 6	86-8630	Element - Water Filter	5 27 1
82-1080	Clamp - Hose	41 16 2	86-8640	Fitting - Adapter	5 26 1
82-1090	Clamp - Hose	41 2 1	86-8650	Stop - Clutch	14 7 1
82-1090	Clamp - Hose	40 11 1	86-8680	Bracket - Clutch Retainer	14 35 2
82-1100	Hose - Fuel (Cut to 15)	44 1 1	86-8690	Shaft - Lift	29 19 1
82-1100	Hose - Fuel (Cut to 15)	41 15 1	86-8720	Shim - .002 Red	23 8 A/R
82-1120	Hose - Breather	41 1 1	86-8721	Shim - .005 Blue	23 * A/R
82-1180	Plug - Expansion	32 7 1	86-8722	Shim - .015 Pink	23 * A/R
82-1200	Ring - Retaining	34 56 4	86-8723	Shim - .020 Yellow	23 * A/R
82-1300	Washer - Flat	33 44 20	86-8730	Gasket	23 18 1
82-1310	Washer - Flat	37 3 4	86-8740	Pin - Connecting Rod	23 23 3
82-1310	Washer - Flat	41 9 4	86-8750	Guide - Plunger	23 27 3
82-1310	Washer - Flat	33 42 5	86-8760	Seal	23 12 1
82-1320	Washer - Flat	36 2 1	86-8770	Seal	23 28 3
82-1340	Washer - Flat	43 2 2	86-8780	Bearing - Tapered	23 22 2
82-1340	Washer - Flat	41 13 2	86-8790	Key	23 17 1
82-1350	Washer - Flat	41 12 2	86-8810	Crankcase	23 5 1
82-1470	Bolt - Connecting Rod	34 59 4	86-8820	Rod - Plunger	23 13 3
82-1480	Screw - Tapping	32 11 1	86-8830	Stud - Head	23 1 8
82-1510	Screw - Cap Hex. Hd.	38 9 2	86-8830	Stud - Head	24 19 8
82-1520	Gasket - Muffler	13 27 2	86-8830	Stud - Head	22 23 8
82-1540	Screw - Hex. Washer	45 26 1	86-8840	Bearing Set - Split	23 15 3
82-1550	Screw - Tapping	40 9 2	86-8850	Cover - Crankcase	23 19 1
82-1580	Decal - Head Bolt Torque	45 23 2	86-8860	Dipstick	23 3 1
82-1590	Screw - Pan Hd.	45 1 4	86-8870	Bracket - Idler	22 5 1
82-1600	Screw - Hex. Washer Hd.	45 14 2	86-8890	Spacer - Pulley	22 2 1
82-1620	Washer - Lock	34 62 2	86-8900	Water Pump Crankcase Assy.	22 1 1
82-1650	Washer - Lock	33 45 24	86-8910	Frame Assembly	8 38 1
82-1660	Washer - Lock	46 4 1	86-8920	Wire Harness - Tiller	10 * 1
82-1660	Washer - Lock	39 18 2	86-8930	Wire Harness - Control	10 * 1
82-1670	Nut - Wing	40 2 1	86-8940	Wire Harness - Main	10 * 1
82-1690	Nut - Hex. Washer Hd.	40 15 1	86-8950	Shaft - Coupler	14 24 1
82-1710	Cover - Valve (Dipstick)	32 * 1	86-8990	Engine Assembly	13 40 1
82-1720	Cap - Solenoid	47 7 1	86-9030	Tube - Limit	29 2 1
82-1730	Nut - Hex.	47 6 1	86-9050	Guard - Valve	26 18 1
82-1740	Spring - Governor Rod	41 7 1	86-9060	Control - Electric	11 32 1
82-1760	Knob	40 1 1	86-9070	Seat - Valve	28 2 1
82-1770	Screw - Hex. Washer Hd.	40 19 3	86-9080	Head - Oil Filter	11 24 1
82-1780	Screw - Hex. Washer Hd.	45 29 3	86-9090	Bracket - Filter	8 41 1
84-2000	Bracket - Brake Plate	3 29 1	86-9100	Pre-Filter Assembly	8 3 1
86-8110	Extension - Nozzle	25 36 11	86-9110	Head	9 1 1
86-8130	Nozzle (#56) (Opt.)	25 * 6	86-9120	Trapper - Sediment	9 4 1
86-8131	Nozzle (#53) (Std.)	25 30 11	86-9130	Valve - Flush	9 5 1
86-8133	Nozzle (#46) (Opt.)	25 * 6	86-9140	Screen - 100 Mesh	9 3 1
86-8140	Retainer - Nozzle	25 43 11	86-9150	Kit - O-Ring Seal	9 2 1
86-8150	Washer	25 31 11	86-9160	Adapter - Bulkhead	5 43 1
86-8160	Electric Clutch Assembly	14 8 1	86-9170	Regulator Valve Assembly	5 36 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
92-0924	ShortBlock Assembly	32 1 1	237-170	Seal - O-Ring	24 1 3
92-0925	Insert - Intake Valve	32 * 2	237-171	Seal - Cover	16 4 1
92-0926	Insert - Intake Valve	32 * 2	237-172	Seal - O-Ring	16 15 1
92-0927	Insert - Intake Valve	32 * 2	237-173	Seal - O-Ring	28 36 1
92-0928	Stud - Cylinder Head Btm.	33 36 8	237-178	Seal - O-Ring	28 24 1
92-0929	Stud - Cylinder Head Top	33 * 4	240-3	Grommet	8 28 2
92-0932	Stud - Cylinder Head Mid.	33 * 8	240-11	Grommet	5 37 4
92-0934	Piston Assy. (.005 OS)	34 * 2	240-12	Grommet	1 29 1
92-0935	Piston Assy. (.010 OS)	34 * 2	240-14	Bumper	14 6 2
92-0936	Piston Assy. (.020 OS)	34 * 2	240-14	Bumper - Rubber	13 23 1
92-0937	Piston Assy. (.030 OS)	34 * 2	241-119	Cap - Hub	29 26 2
92-0938	Pin - Piston	34 61 2	242-50	Nut - Lug	3 23 4
92-0939	Piston Ring Set (Std.)	34 57 2	242-50	Nut - Lug	29 24 8
92-0940	Piston Ring Set (.005 OS)	34 * 2	2411-34	Joint - Ball	19 43 1
92-0941	Gear - Crankshaft	35 11 1	2411-34	Joint - Ball	2 46 1
92-0942	Oil Base Assembly	37 7 1	2411-50	Eye - Rod L.H. Thread	12 20 2
92-0943	Plug - Pipe	37 12 1	2411-51	Eye - Rod R.H. Thread	12 13 2
92-0944	Cup - Oil Pump Intake	37 1 1	2412-36	Clamp - Hose	5 10 2
92-0945	Hose - Breather	40 10 1	2412-41	Clamp - R	5 13 2
92-0946	Plate - Air Deflector	40 18 1	2412-71	Clamp - R	13 34 2
92-0947	Tube - Oil Fill	37 9 1	2412-94	Clamp - R	2 36 1
92-0948	Housing - Blower	45 3 1	2412-108	Clamp - Hose	5 8 1
92-0949	Housing - Cylinder LH	45 15 1	2412-108	Clamp - Hose	13 29 1
92-0950	Housing - Cylinder RH	45 21 1	2412-108	Clamp - Hose	16 34 1
92-9526	Housing - Accumulator	26 13 1	2412-108	Clamp - Hose	19 38 1
92-9527	Plug - Housing Upper	26 15 1	2412-108	Clamp - Hose 3/8	7 10 20
92-9528	Plug - Housing Lower	26 10 1	2412-120	Clamp - R	2 47 2
92-9529	Retainer - Plug	26 16 1	2412-129	Clamp - Hose 3/4	7 9 8
92-9530	Plunger - Switch	26 3 1	2412-147	Clamp - R	8 2 2
92-9531	Retainer - Plunger	26 1 1	251-259	Bearing - Ball	19 20 2
92-9532	Spring - Compression	26 2 1	251-351	Bearing - Ball	31 25 4
92-9533	Seal - O-Ring	26 11 1	253-129	Seal - Bearing	29 32 2
92-9534	Ring - Backup	26 12 2	253-148	Seal - Input Shaft	17 36 1
92-9535	Seal - O-Ring	26 5 1	253-167	Seal - V	31 4 4
92-9536	Ring - Backup	26 4 2	253-168	Seal - Oil	28 20 1
92-9537	Bracket - Regulator	5 42 1	254-61	Cup - Bearing	16 10 3
92-9538	Strap - Regulator	5 33 1	254-62	Cone - Bearing	16 11 3
92-9539	Bladder - Accumulator	26 14 1	254-67	Cup - Bearing	16 14 1
92-9542	Decal - Filter (English)	8 26 2	254-68	Cone - Bearing	16 13 1
92-9543	Seal - O-Ring	5 29 1	254-72	Cup Bearing	29 31 4
92-9546	Accumulator Assembly	25 7 1	254-94	Cone - Bearing	29 30 4
92-9547	Bracket - Angle	23 20 2	255-12	Ball - Check	25 33 11
217-60	Rim - Wheel	3 21 1	255-13	Ball - Steel	28 38 1
217-60	Rim - Wheel	29 23 2	256-90	Bushing - Sleeve	1 13 3
218-446	Nut - Lock	11 8 1	256-113	Bushing - Flange	19 8 2
218-447	Washer - Lock	11 7 1	256-116	Bushing - Flange	12 8 6
218-498	Nut - Locking	1 4 1	256-206	Bushing - Sleeve	1 19 1
232-27	Stem - Valve	3 24 1	256-245	Bushing - Flange	8 33 2
232-27	Stem - Valve	29 29 2	256-268	Bushing - Flange	29 1 2
233-17	Knob	11 3 1	256-315	Bushing - Sleeve	28 17 1
237-22	Seal - O-Ring	20 51 1	256-318	Bushing - Nylon	31 15 4
237-25	Seal - O-Ring	23 7 2	281-2	Plug - Hex. Hd.	37 5 1
237-25	Seal - O-Ring	16 21 1	283-62	Pin - Clevis	3 11 1
237-30	Seal - O-Ring	11 25 2	283-67	Pin - Clevis	12 25 1
237-30	Seal - O-Ring	19 25 2	288-4	Cap - Drain	13 33 1
237-30	Seal - O-Ring	16 31 1	289-48	Nipple - Drain	13 32 1
237-30	Seal - O-Ring	3 32 2	2811-7	Fitting - Breather 90°	17 37 1
237-30	Seal - O-Ring	8 36 6	2811-10	Fitting - Drain 90°	13 31 1
237-42	Seal - O-Ring	19 41 2	302-5	Fitting - Grease	29 3 1
237-78	Seal - O-Ring	16 32 1	302-5	Fitting - Grease	19 11 1
237-79	Seal - O-Ring	23 4 1	302-5	Fitting - Grease	8 34 1
237-79	Seal - O-Ring	16 8 3	304-75	Fitting - Hydraulic 90°	19 37 1
237-79	Seal - O-Ring	11 23 2	304-99	Fitting - 90° Elbow	16 33 1
237-79	Seal - O-Ring	19 27 2	304-101	Fitting - Barb	24 15 1
237-80	Seal - O-Ring	3 30 2	304-101	Fitting - Barb	28 32 1
237-81	Seal - O-Ring	16 29 1	321-3	Screw - Cap Hex. Hd.	43 1 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3316-175

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
321-3	Screw - Cap Hex. Hd.	11 13 4	3219-20	Nut - Hex. (L.H. Thread)	12 35 2
321-3	Screw - Cap Hex. Hd.	14 36 1	3219-28	Nut - Hex.	24 18 8
321-4	Screw - Cap Hex. Hd.	3 15 4	3219-28	Nut - Lock	22 24 8
321-4	Screw - Cap Hex. Hd.	22 21 2	3220-1	Nut - Jam	2 39 2
321-4	Screw - Cap Hex. Hd.	8 27 6	3220-1	Nut - Jam	19 44 1
321-6	Screw - Cap Hex. Hd.	33 49 2	3220-2	Nut - Lock	11 43 2
321-10	Screw - Cap Hex. Hd.	19 29 2	3220-3	Nut - Jam	12 15 2
321-11	Screw - Cap Hex. Hd.	33 31 2	3220-6	Nut - Jam	19 19 2
321-28	Screw - Cap Hex. Hd.	8 19 2	3220-6	Nut - Jam	2 62 2
322-1	Screw - Cap Hex. Hd.	13 12 2	3220-23	Nut - Jam	28 22 1
322-3	Screw - Cap Hex. Hd.	12 6 2	3229-1	Bolt - Carriage	8 9 12
322-3	Screw - Cap Hex. Hd.	23 11 16	3229-1	Bolt - Carriage	1 27 1
322-3	Screw - Cap Hex. Hd.	13 17 2	3230-1	Bolt - Carriage	5 15 5
322-3	Screw - Cap Hex. Hd.	8 5 2	3230-8	Bolt - Carriage	31 22 4
322-4	Screw - Cap Hex. Hd.	13 8 2	3230-22	Bolt - Carriage	29 18 6
322-4	Screw - Cap Hex. Hd.	16 9 8	3234-4	Screw - Hex. Washer Hd.	8 18 6
322-4	Screw - Cap Hex. Hd.	14 25 2	3234-11	Screw - Hex. Washer Hd.	14 20 2
322-5	Screw - Cap Hex. Hd.	38 4 2	3234-13	Screw - Cap Hex. Hd.	26 19 2
322-5	Screw - Cap Hex. Hd.	20 52 1	3234-14	Screw - Hex. Washer Hd.	31 13 2
322-9	Screw - Cap Hex. Hd.	39 15 4	3234-24	Screw - Hex. Flange Hd.	8 40 2
322-12	Screw - Cap Hex. Hd.	41 11 2	3234-24	Screw - Hex. Washer Hd.	31 12 10
322-17	Screw - Cap Hex. Hd.	19 16 1	3234-24	Screw - Hex. Washer Hd.	14 19 2
322-22	Screw - Mounting	47 11 2	3234-25	Screw - Hex. Washer Hd.	31 23 4
323-2	Screw - Cap Hex. Hd.	14 28 1	3245-5	Screw - Set	19 2 2
323-2	Screw - Hex. Washer Hd.	31 9 6	3247-4	Screw - Set	34 63 4
323-4	Screw - Cap Hex. Hd.	12 30 2	3250-35	Screw	2 53 4
323-5	Screw - Cap Hex. Hd.	16 18 8	3253-3	Washer - Lock	11 14 2
323-5	Screw - Cap Hex. Hd.	25 22 12	3253-3	Washer - Lock	13 22 1
323-5	Screw - Cap Hex. Hd.	5 34 4	3253-3	Washer - Lock	14 31 3
323-6	Screw - Cap Hex. Hd.	25 5 4	3253-4	Washer - Lock	13 5 8
323-6	Screw - Cap Hex. Hd.	22 11 1	3253-4	Washer - Lock	23 10 16
323-6	Screw - Cap Hex. Hd.	11 21 3	3253-4	Washer - Lock	20 53 3
323-6	Screw - Cap Hex. Hd.	13 21 2	3253-21	Washer - Lock	13 20 2
323-6	Screw - Cap Hex. Hd.	14 34 2	3253-21	Washer - Lock	22 25 1
323-6	Screw - Cap Hex. Hd.	20 58 4	3253-21	Washer - Lock	14 29 1
323-7	Screw - Cap Hex. Hd.	12 12 2	3253-21	Washer - Lock	11 30 2
323-7	Screw - Cap Hex. Hd.	29 17 3	3253-21	Washer - Lock	25 42 4
323-9	Screw - Cap Hex. Hd.	13 4 1	3254-6	Washer - I.T.L.W.	31 26 6
323-12	Screw - Cap Hex. Hd.	22 7 1	3254-9	Washer - I.T.L.W.	2 54 4
323-13	Screw - Cap Hex. Hd.	25 40 7	3254-9	Washer - Lock	19 32 2
323-14	Screw - Cap Hex. Hd.	41 8 4	3255-9	Washer - E.T.L.W.	13 38 1
323-14	Screw - Cap Hex. Hd.	12 17 1	3256-2	Washer - Flat	2 42 4
323-17	Screw - Cap Hex. Hd.	25 12 4	3256-2	Washer - Flat	25 45 22
323-19	Screw - Cap Hex. Hd.	13 37 4	3256-14	Washer - Flat	1 2 4
323-25	Screw - Cap Hex. Hd.	37 4 4	3256-14	Washer - Flat	12 32 8
323-29	Screw - Cap Hex. Hd.	1 17 1	3256-22	Washer - Flat	8 12 10
323-52	Screw - Cap Hex. Hd.	16 25 4	3256-22	Washer - Flat	11 15 7
324-6	Screw - Cap Hex. Hd.	19 5 2	3256-23	Washer - Flat	8 4 2
324-26	Screw - Cap Hex. Hd.	26 8 4	3256-23	Washer - Flat	14 10 4
324-26	Screw - Cap Hex. Hd.	25 19 4	3256-23	Washer - Flat	13 13 6
325-4	Screw - Cap Hex. Hd.	25 25 1	3256-23	Washer - Flat	19 14 2
325-5	Screw - Cap Hex. Hd.	25 23 1	3256-23	Washer - Flat	1 25 1
325-6	Screw - Cap Hex. Hd.	3 4 4	3256-23	Washer - Flat	12 34 2
325-12	Screw - Cap Hex. Hd.	25 24 1	3256-24	Washer - Flat	13 3 3
325-14	Screw - Cap Hex. Hd.	3 1 4	3256-24	Washer - Flat	11 18 2
325-14	Screw - Cap Hex. Hd.	29 35 1	3256-24	Washer - Flat	14 18 10
325-17	Screw - Cap Hex. Hd.	20 57 1	3256-24	Washer - Flat	1 22 1
325-22	Screw - Cap Hex. Hd.	29 15 1	3256-24	Washer - Flat	8 24 2
3210-8	Screw - Cap Hex. Hd.	14 14 3	3256-25	Washer - Flat	19 47 2
3210-13	Screw - Cap Hex. Hd.	14 9 2	3256-26	Washer - Flat	29 7 1
3211-38	Screw - Cap Hex. Hd.	14 26 1	3256-26	Washer - Flat	22 26 2
3213-7	Screw - Cap Hex. Hd.	22 6 1	3256-28	Washer - Flat	31 8 4
3217-5	Nut	13 25 1	3256-28	Washer - Flat	29 28 2
3217-5	Nut - Lock	14 32 3	3256-29	Washer - Flat	5 39 2
3217-16	Nut - Hex.	2 55 4	3256-42	Washer - Flat	5 41 2
3218-1	Nut - Jam	19 3 2	3256-68	Washer - Flat	31 14 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3257-15	Key - Woodruff	4 11 1	32104-95	Screw - Hex. Flange Hd.	11 45 4
3269-25	Rivet - Pop	8 16 8	32104-95	Screw - Hex. Washer Hd.	19 22 2
3269-32	Rivet - Pop	13 15 10	32104-95	Screw - Hex. Washer Hd.	1 28 6
3272-2	Pin - Cotter	11 39 1	32104-95	Screw - Hex. Washer Hd.	14 42 1
3272-4	Pin - Cotter	12 27 1	32105-2	Screw - Cap Hex. Hd.	11 10 2
3272-10	Pin - Cotter	1 7 1	32105-2	Screw - Hex. Flange Hd.	2 60 1
3272-10	Pin - Cotter	3 9 1	32105-5	Screw - Cap Hex. Hd.	11 34 2
3272-13	Pin - Cotter	29 25 2	32105-25	Screw - Round Hd.	19 33 2
3274-10	Screw - Hex. Socket Hd.	13 6 4	32120-37	Ring - Retaining	28 21 1
3274-10	Screw - Socket Hd.	16 1 2	32121-34	Pin - Roll	19 34 1
3274-83	Screw - Hex. Socket Hd.	23 21 6	32121-42	Pin - Roll	16 24 4
3274-83	Screw - Socket Hd.	28 13 6	32121-48	Pin - Roll	28 12 1
3290-313	Screw - Pan Hd.	2 35 2	32121-66	Pin - Roll	29 13 3
3290-354	Plate - Nut	2 37 1	32121-79	Pin - Roll	1 15 2
3290-378	Tie - Cable	10 * 5	32128-21	Nut - Flange Lock	13 35 4
3290-378	Tie - Cable	7 3 4	32128-37	Nut - Flange Lock	19 46 2
3290-378	Tie - Cable	20 59 1	32136-5	Nut - Slotted	29 27 2
3290-410	Tie - Cable	19 21 1	32144-22	Screw - Hex. Washer Hd.	3 35 2
3290-494	Washer - Rubber	5 1 1	32144-41	Screw - Cap Hex. Hd.	5 12 4
3296-2	Nut - Lock	11 20 4	32144-53	Screw - Hex. Socket Hd.	14 30 1
3296-2	Nut - Lock	2 59 1	32144-67	Screw - Hex. Washer Hd.	14 40 1
3296-3	Nut - Lock	2 41 3	32144-114	Screw - Cap Hex. Hd.	13 10 5
3296-3	Nut - Lock	19 42 1	32148-9	Nut - Insert	8 46 3
3296-6	Nut - Lock	15 4 3	32149-10	Nut - Lock	13 43 2
3296-15	Nut - Lock	31 7 2	32151-44	Ring - Retaining	8 39 1
3296-19	Nut - Lock	22 16 2	32151-47	Ring - Retaining	12 10 1
3296-19	Nut - Lock	25 21 2	32151-65	Ring - Retaining	23 24 6
3296-20	Nut - Lock	14 13 2	32151-99	Ring - Retaining	28 14 1
3296-23	Nut - Lock	3 27 4	32152-1	Nut - Lock	13 26 2
3296-23	Nut - Lock	20 54 1	32152-5	Nut - Lock	14 21 2
3296-28	Nut - Lock	22 3 1	340-4	Fitting - Hydraulic Straight	19 26 2
3296-28	Nut - Lock	2 31 3	340-6	Fitting - Hydraulic St.	3 31 2
3296-29	Nut - Lock	12 1 2	340-54	Fitting - Hydraulic 45°	20 50 1
3296-29	Nut - Lock	19 13 2	340-98	Fitting - Hydraulic 90°	11 22 2
3296-29	Nut - Lock	29 16 6	340-98	Fitting - Hydraulic 90°	16 30 1
3296-29	Nut - Lock	31 19 16	340-127	Nut - Bulkhead	8 32 4
3296-29	Nut - Lock	5 38 5	340-161	Fitting - Hydraulic Bulkhead	8 37 2
3296-29	Nut - Lock	8 42 2	353-550	Fitting - Plug	16 7 2
3296-39	Nut - Lock	31 11 10	353-550	Plug - Drain	23 25 1
3296-39	Nut - Lock	22 14 1	354-82	Plug	25 1 1
3296-39	Nut - Lock	29 14 3	354-82	Plug Assembly	24 13 3
3296-39	Nut - Lock	11 17 1	354-88	Coupler - Female	5 44 1
3296-39	Nut - Lock	12 18 3	354-89	Coupler - Male	5 45 1
3296-39	Nut - Lock	16 26 4	354-92	Fitting - Reducer	25 10 1
3296-39	Nut - Lock	8 44 2	354-93	Fitting - 90° Elbow	25 11 1
3296-39	Nut - Lock	20 56 4	354-93	Fitting - 90° Elbow	11 38 2
3296-42	Nut - Lock	8 8 26	354-98	Fitting - Adapter	8 1 2
3296-42	Nut - Lock	3 14 4	354-98	Fitting - Straight	5 31 2
3296-42	Nut - Lock	1 26 1	354-100	Fitting - 90° Elbow	5 6 2
3296-42	Nut - Lock	11 33 6	354-101	Fitting - 90° Elbow	5 25 1
3296-42	Nut - Lock	19 36 2	354-102	Hydraulic Fitting Assembly	11 4 1
3296-45	Nut - Lock	29 6 2	354-106	Fitting - 90° Elbow	5 17 1
3296-45	Nut - Lock	3 34 2	354-107	Fitting - Tee	7 5 2
3296-49	Nut - Lock	5 40 2	354-109	Fitting - Adaptor	5 2 1
3296-56	Nut - Lock	22 15 1	354-113	Cap - Pipe	8 22 1
3296-56	Nut - Lock	12 24 2	354-114	Fitting - 90° Elbow	5 24 1
3296-59	Nut - Lock	12 21 2	354-133	Fitting - Tee	5 32 1
3296-59	Nut - Lock	1 23 1	355-1	Fitting - Tee	5 18 4
32104-60	Screw - Hex. Washer Hd.	1 1 8	355-2	Fitting - 90° Elbow	5 19 2
32104-60	Screw - Hex. Washer Hd.	19 10 2	355-4	Cap	5 23 2
32104-60	Screw - Hex. Washer Hd.	12 33 8	355-5	Strainer	5 21 6
32104-76	Screw - Hex. Slotted Hd.	2 48 2	355-6	Nozzle	5 22 6

*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 3000 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the handle. In any correspondence concerning the Hydroject 3000, 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 3000.
2. Part number, description, and the quantity of part(s) desired.

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

TABLE OF CONTENTS

Description	Page	Description	Page
Handle Assembly	1-2	Accumulator Assembly No. 92-9546	26
Front Wheel Assembly	3	Relief Valve Assembly No. 80-7070	27
Hydraulic Drive Motor Assembly No. 66-5293	4	Water Valve Assembly	28
Fuel Tank & Water Inlet Assembly	5	Rear Axle Assembly	29
Water System Schematic	6	Lift Actuator Assembly No. 14-5219	30
Water System Hose Routing Diagram	7	Roller Assembly	31
Frame & Cover Assembly	8	Engine Cylinder Block Assembly	32-34
Pre-Filter Assembly No. 86-9100	9	Engine Camshaft & Crankshaft Assembly	35
Electrical Schematic	10	Engine Flywheel Assembly	36
Control Panel Assembly	11	Engine Oil Base Assembly	37
Control Linkage Assembly	12	Engine Oil Filter Assembly	38
Engine Installation Assembly	13	Engine Ignition Control Assembly	39
Gear Box Drive Assembly	14	Engine Air Cleaner Assembly	40
Electric Clutch Assembly No. 86-8160	15	Engine Fuel System Assembly	41
Gear Box Assembly	16-17	Engine Carburetor Assembly No. 82-0770	42
Hydraulic Schematic	18	Engine Electronic Ignition Assembly	43
Hydraulic Pump Installation Assembly	19-20	Engine Fuel Pump & Filter Assembly	44
Hydraulic Pump Assembly No. 80-5450	21	Engine Housing Assembly	45
Water Pump Installation Assembly	22	Engine Choke Control Assembly	46
Water Pump Crankcase Assembly		Engine Starter Assembly	47
No. 86-8900	23	International Decal Cross Reference	48-50
Water Pump Head Assembly	24	TORO Part Number Index	51-58
Water Manifold & Valve Assembly	25		

