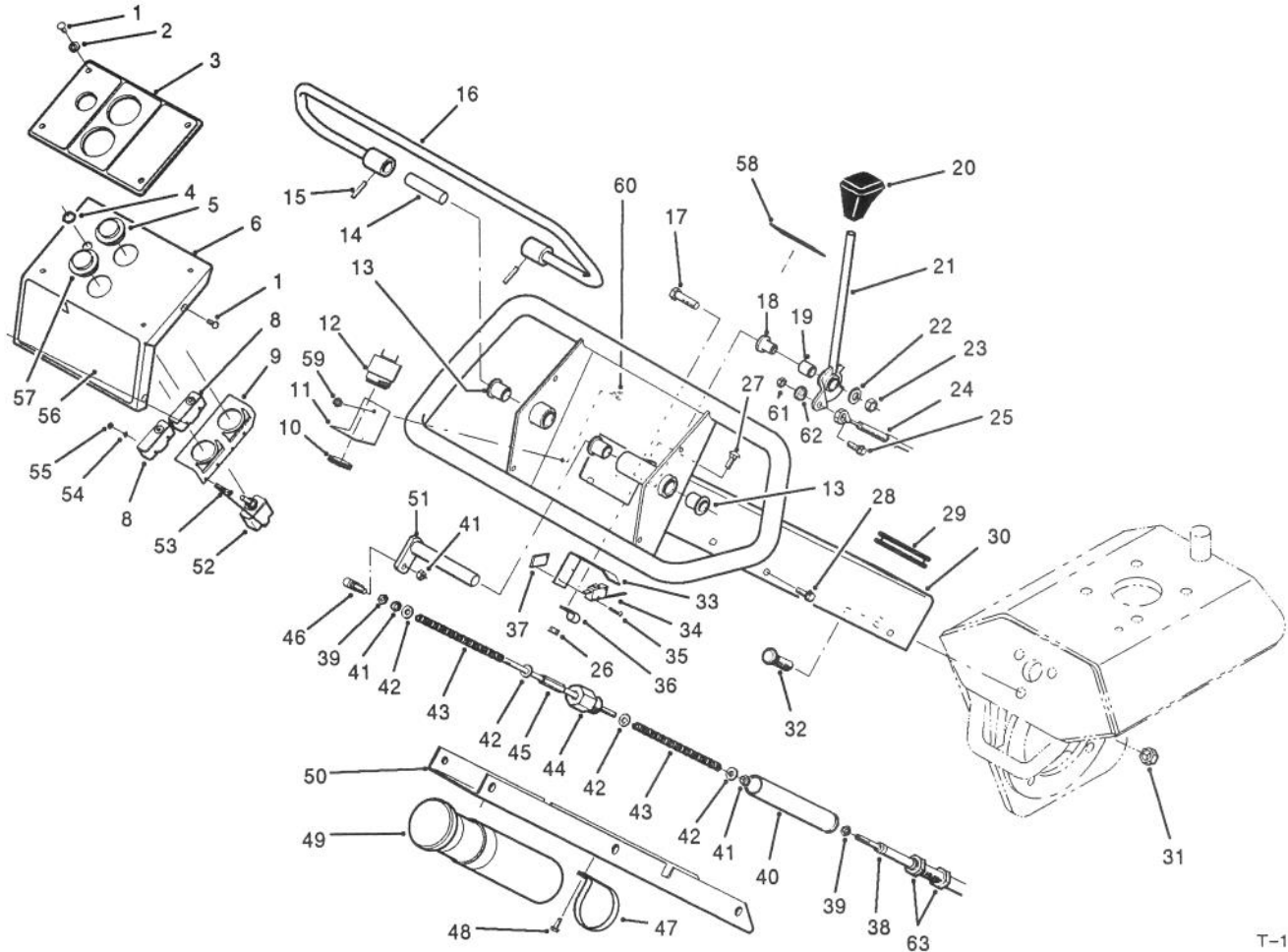


TORO®

MODEL NO. 09800-20001 & UP

PARTS CATALOG

HYDROJECT™ 3000 AERATOR



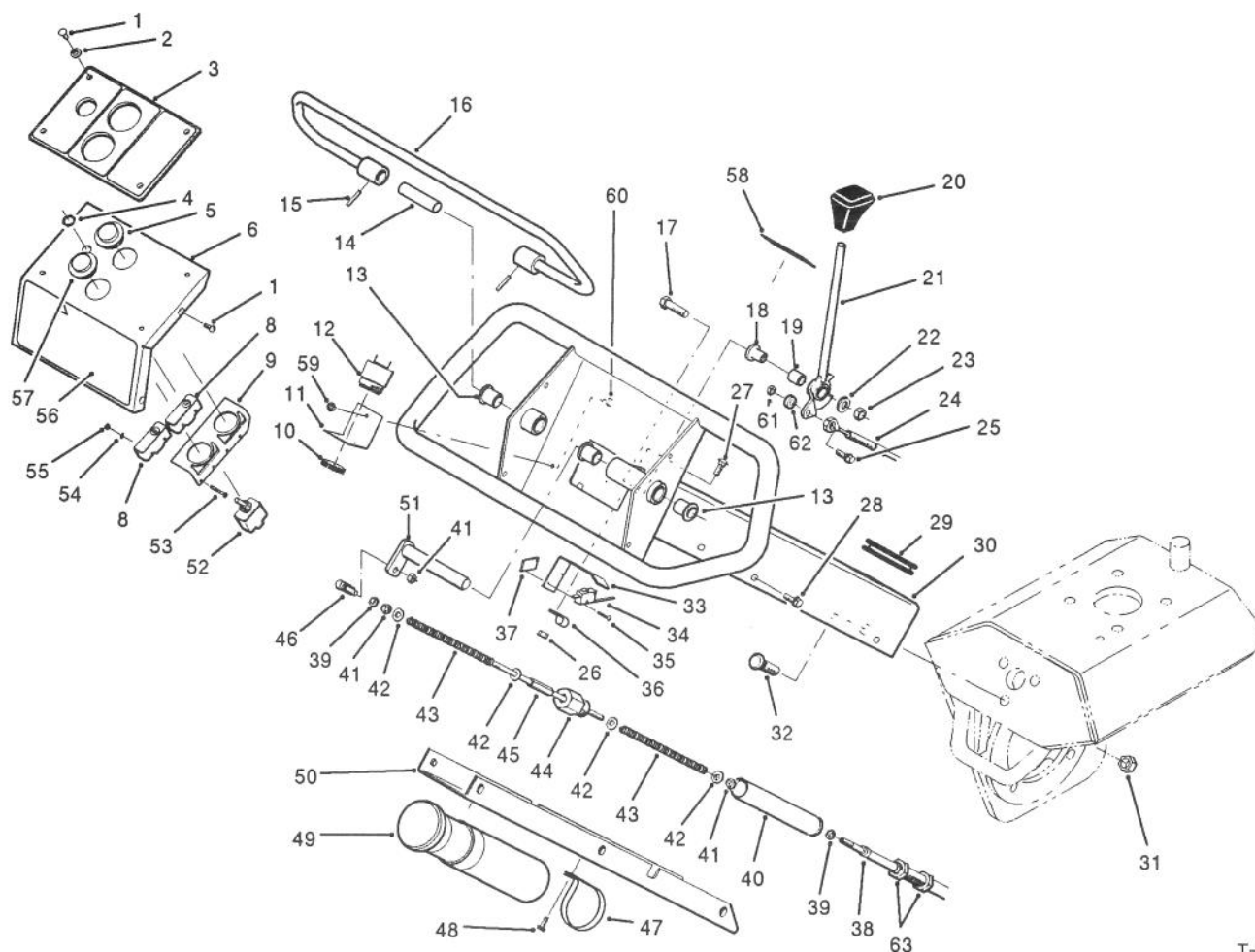
T-1189

HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32104-60	Screw - Hex. Washer Hd.	8	17	323-29	Screw - Cap Hex. Hd.	1
2	3256-14	Washer - Flat	4	18	80-7200	Spacer - Brake	1
‡3	80-9240	Panel - Control (English)	1	19	256-206	Bushing - Sleeve	1
4	218-498	Nut - Locking	1	20	65-8970	Knob	1
5	80-9290	Button - Switch (Green)	1	21	80-6750	Lever - Brake	1
6	14-5199	Cover - Control	1	22	3256-24	Washer - Flat	1
		(Incl. Ref. #3 & 56)	1	23	3296-59	Nut - Lock	1
8	80-9280	Switch Assembly	2	24	80-9740	Cable - Brake	1
9	80-9270	Bracket - Switch	1	25	11-9030	Screw - Shoulder	1
10		Retainer - Alarm	1	26	3296-42	Nut - Lock	1
11	80-7790	Bracket - Alarm	1	27	3229-1	Bolt - Carriage	1
12	80-9330	Audio Alarm Assembly	1	28	32104-95	Screw - Hex. Washer Hd.	6
		(Incl. Ref. #10)	1	29	240-12	Grommet	1
13	256-90	Bushing - Sleeve	3	30	80-6800	Handle	1
14	80-7190	Shaft - Pivot	1	31	3296-19	Nut - Lock	3
15	32121-79	Pin - Roll	2	32	10-6830	Stud - Drive	3
16	80-7110	Handle - Traction Control	1	33	80-6900	Bracket - Switch	1

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

TPS

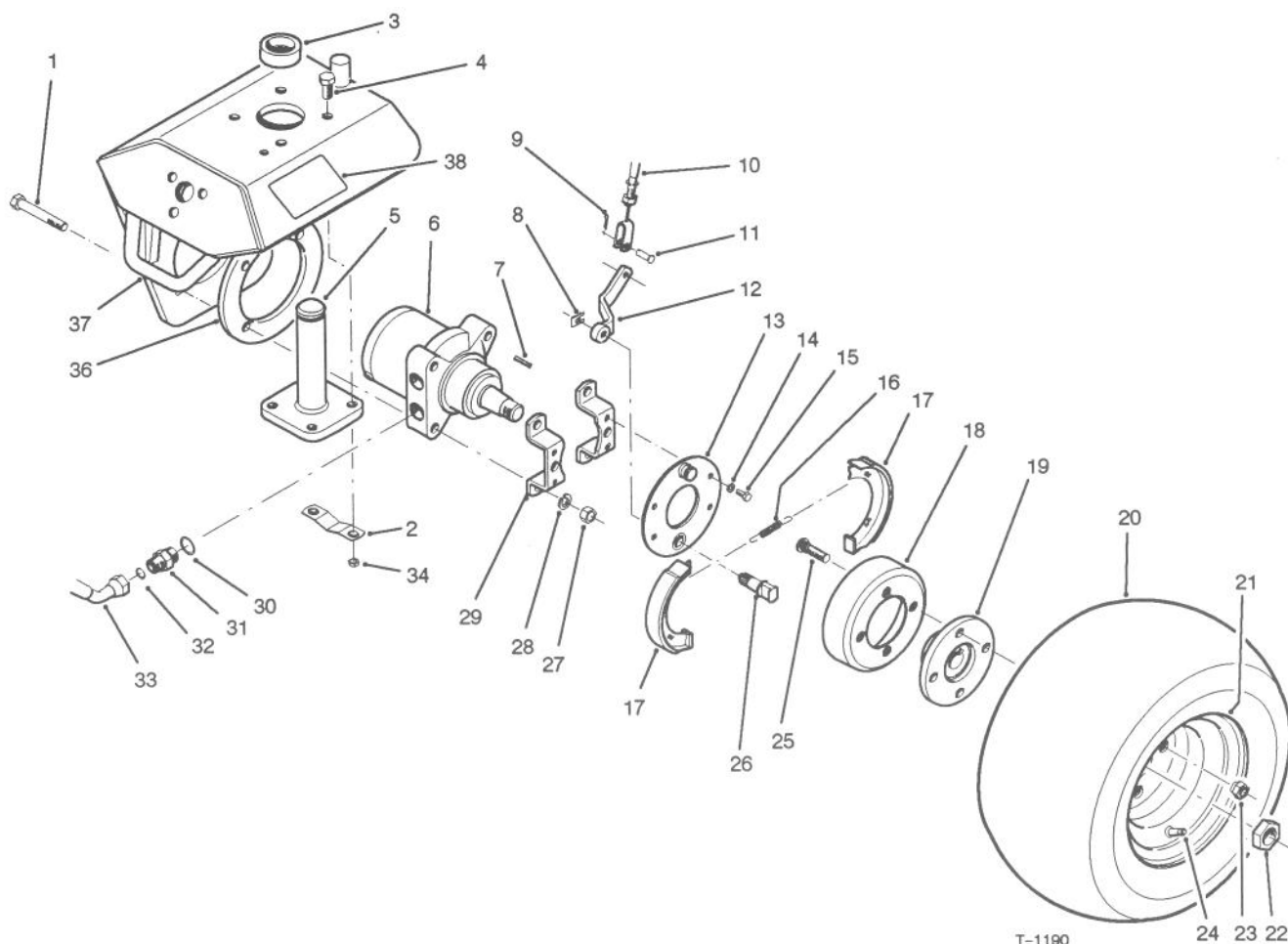


T-1189

HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
34	40-8200	Switch - Micro	1	50	80-7210	Cover - Lower	1
35	3290-313	Screw - Pan Hd.	2	51	80-7160	Arm - Traction	1
36	2412-94	Clamp - R	1	52	71-4170	Switch - Toggle (Incl. Ref. #4)	1
37	3290-354	Plate - Nut	1	53	3250-35	Screw	4
38	80-7220	Stroke Control Cable Assy. (Incl. Ref. #63)	1	54	3254-9	Washer - I.T.L.W.	4
39	3220-1	Nut - Jam	2	55	3217-16	Nut - Hex.	4
40	80-7080	Housing	1	‡56	80-8020	Decal - Instruction (English)	1
41	3296-3	Nut - Lock	3	57	80-9300	Button - Push (Red)	1
42	3256-2	Washer - Flat	4	‡58	80-8070	Decal - Parking Brake (English)	1
43	80-7150	Spring - Compression	2	59	3296-2	Nut - Lock	1
44	80-7230	Hub - Override	1	60	32105-2	Screw - Hex. Flange Hd.	1
45	80-7060	Shaft - Override	1	61	3296-56	Nut - Lock	1
46	2411-34	Joint - Ball	1	62	80-9540	Spacer	1
47	2412-120	Clamp - R	2	63	3220-6	Nut - Jam	2
48	32104-76	Screw - Hex. Slotted Hd.	2				
49	74-0720	Tube - Manual	1				

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



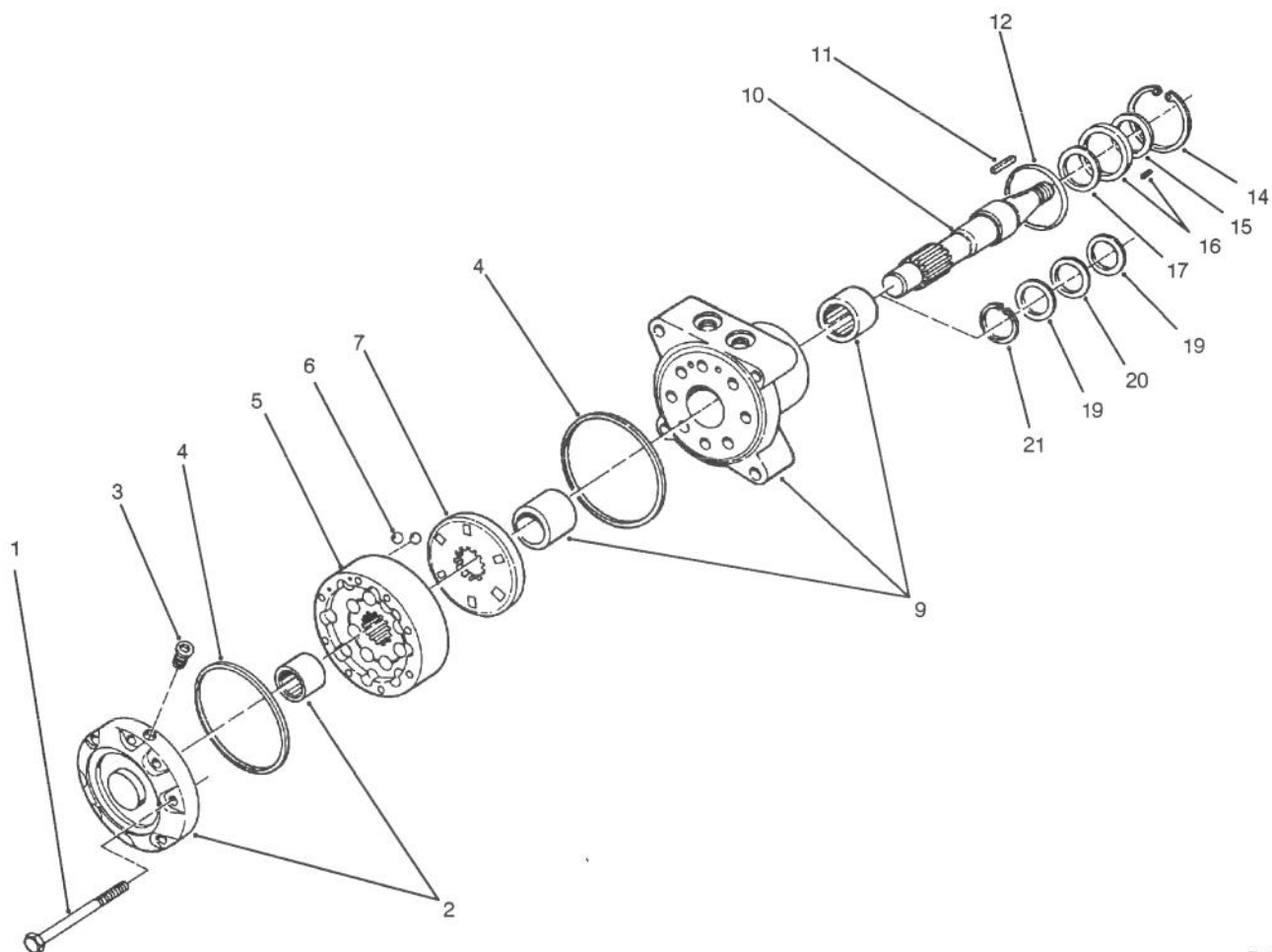
FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	325-13	Screw - Cap Hex. Hd.	4
2	80-9730	Guide - Cable	1
3	80-8670	Spacer - Steering	1
4	325-6	Screw - Cap Hex. Hd.	4
5	80-9790	Shaft - Steering Pivot	1
6	66-5293	Motor - Hydraulic (Incl. Ref. #7)	1
7	65-4640	Key - Square	1
8	70-9850	Clip - Retaining	1
9	3272-10	Pin - Cotter	1
10	80-9740	Cable - Brake	1
11	283-1	Pin - Clevis	1
12	80-7400	Lever - Brake	1
13	70-9870	Plate - Brake	1
14	3255-7	Washer - Lock	4
15	329-3	Screw - Cap Hex. Hd.	4
16	70-9880	Spring - Brake	2
17	70-9840	Shoe - Brake	2
18	10-6820	Hub & Drum Assembly (Incl. Ref. #19 & 25)	1
19	10-6870	Hub - Wheel	1
20	28-3680	Tire	1

Ref. No.	Part No.	Description	No. Used
21	217-60	Rim - Wheel	1
22	26-3790	Nut - Spindle	1
23	242-50	Nut - Lug	4
24	232-27	Stem - Valve	1
25	10-6830	Stud - Drive	4
26	70-9860	Pivot - Brake	1
27	3217-9	Nut - Lock	4
28	3253-7	Washer - Lock	4
29	10-8000	Bracket - Brake Plate	2
30	237-80	Seal - O-Ring	2
31	340-6	Fitting - Hydraulic St. (Incl. Ref. #30 & 32)	2
32	237-30	Seal - O-Ring	2
33	80-7370	Hose - Hydraulic	2
34	3296-45	Nut - Lock	2
36	71-0820	Mount - Motor	1
37	14-5179	Arm - Steering (Incl. Ref. #38)	1
‡38	72-4080	Decal - Danger (English)	1
*	71-1500	Brake Assembly (Incl. Ref. #8, 13, 16, 17 & 26)	1

*Not Illustrated

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



T-0274

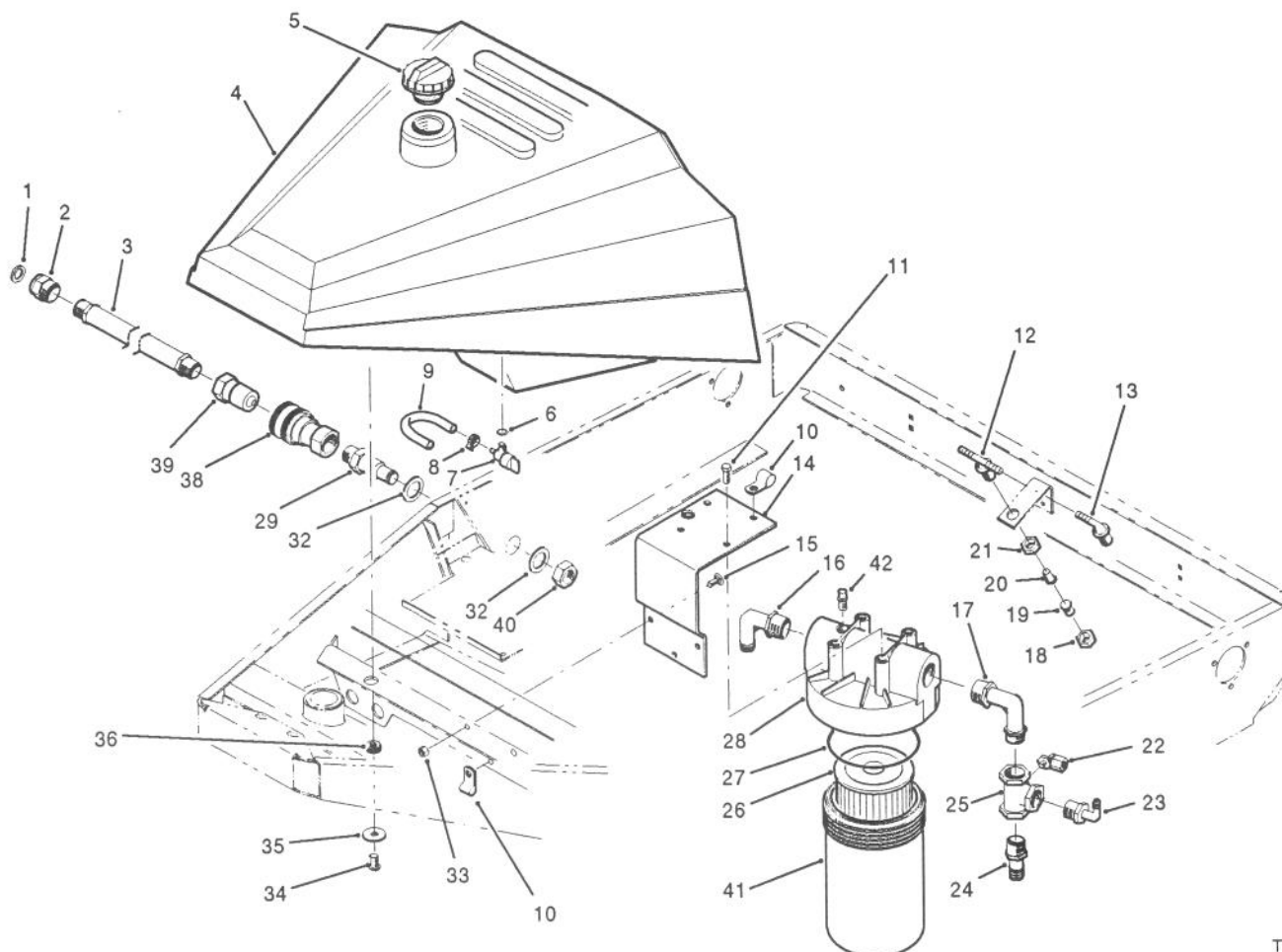
HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 66-5293

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	65-4640	Key - Square	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.



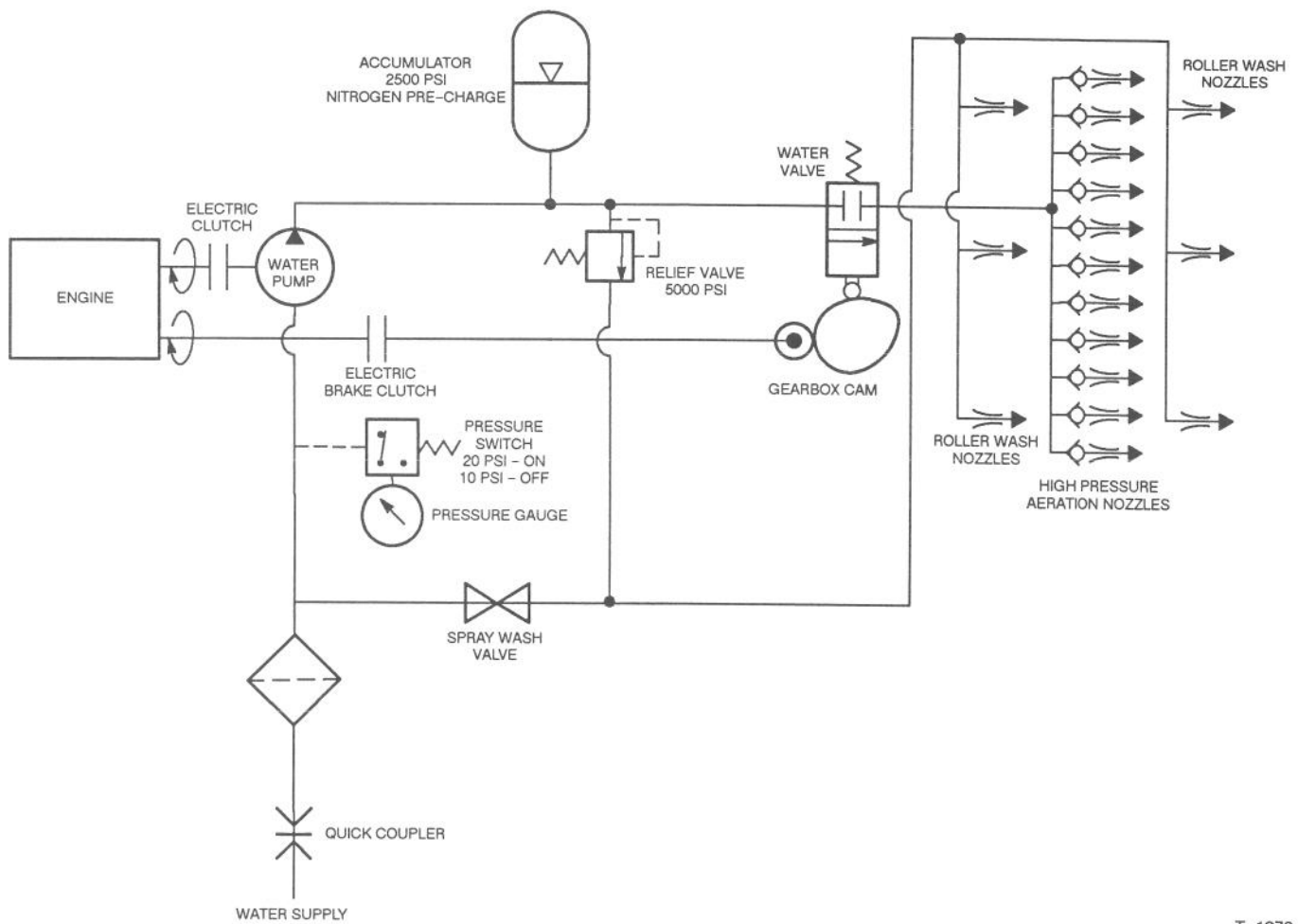
T-1196

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	80-5700	Tank - Fuel	1
5	70-8631	Cap - Fuel	1
6	237-7	Seal - O-Ring	1
7	74-0510	Valve - Fuel Shut-Off	1
8	2412-108	Clamp - Hose	1
9	47-2961	Hose - Fuel	1
10	2412-41	Clamp - R	2
11	32144-41	Screw - Cap Hex. Hd.	4
12	355-1	Fitting - Tee	4
13	355-2	Fitting - 90° Elbow (Incl. Ref. #21)	2
14	80-8610	Bracket - Filter	1
15	3230-1	Bolt - Carriage	3
16	354-112	Fitting - 90° Elbow	1
17	354-114	Fitting - 90° Elbow	1
18	355-4	Cap	6
19	355-6	Nozzle	6
20	355-5	Strainer	6
21		Nut - Hex.	6

Ref. No.	Part No.	Description	No. Used
22	354-101	Fitting - 90° Compression	1
23	354-106	Fitting - 90° Elbow	1
24	354-98	Fitting - Straight	1
25	354-91	Fitting - Gauge Tee	1
26	80-8590	Element - Water Filter	1
27	237-176	Seal - O-Ring	1
28	80-9600	Head - Water Filter	1
29	80-9500	Adapter - Bulkhead	2
32	3256-42	Washer - Flat	4
33	3296-29	Nut - Lock	3
34	323-5	Screw - Cap Hex. Hd.	4
35	63-8410	Washer	4
36	240-11	Grommet	4
38	354-88	Coupler - Female	1
39	354-89	Coupler - Male	1
40	3296-49	Nut - Lock	2
41	80-8930	Sump - Water Filter	1
42	80-8940	Valve - Bleed	1
*	80-8600	Water Filter Assembly (Incl. Ref. #27-28 & 41-42)	1
*	80-9510	Wrench - Water Filter	1

*Not Illustrated

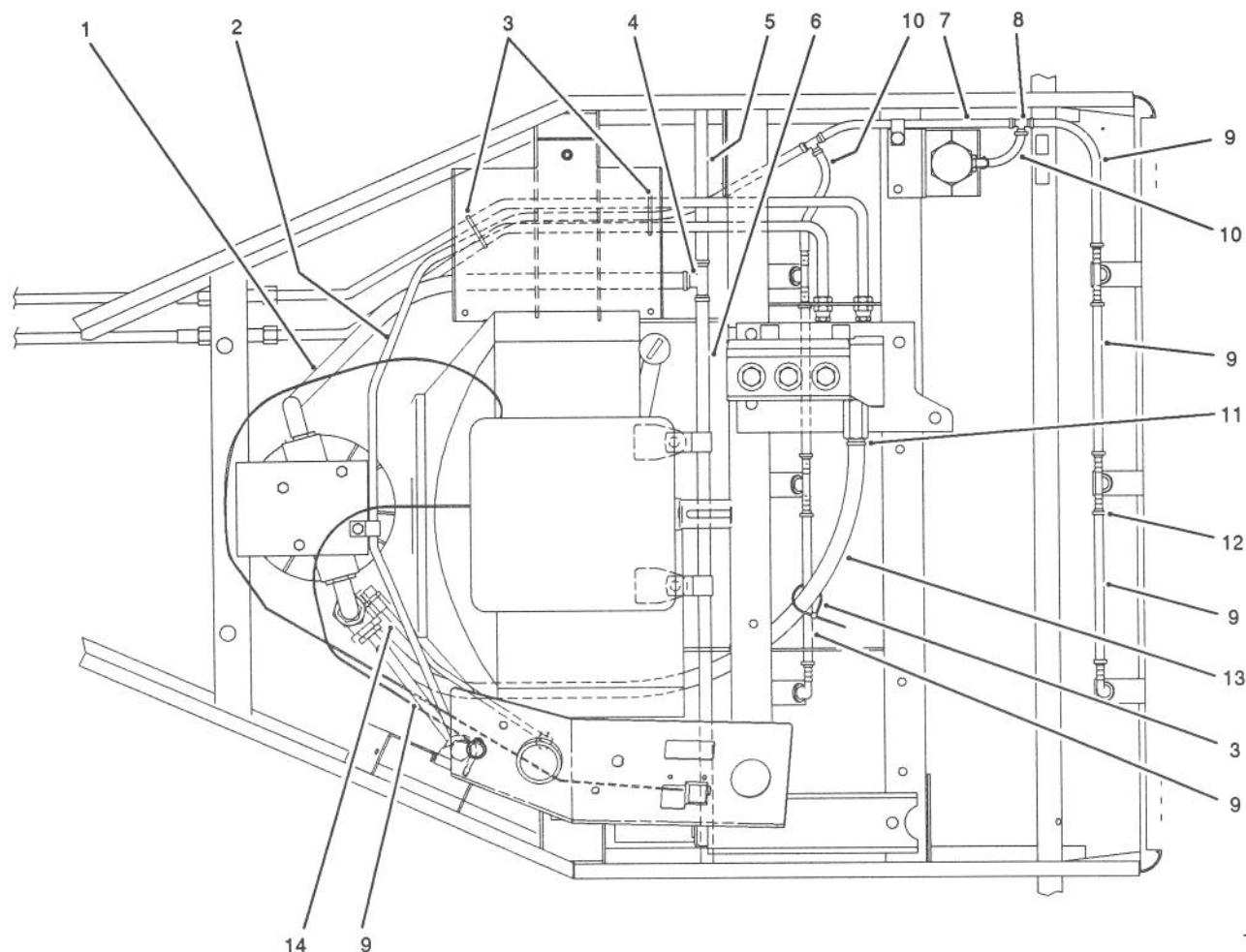


WATER SYSTEM SCHEMATIC

T-1272

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

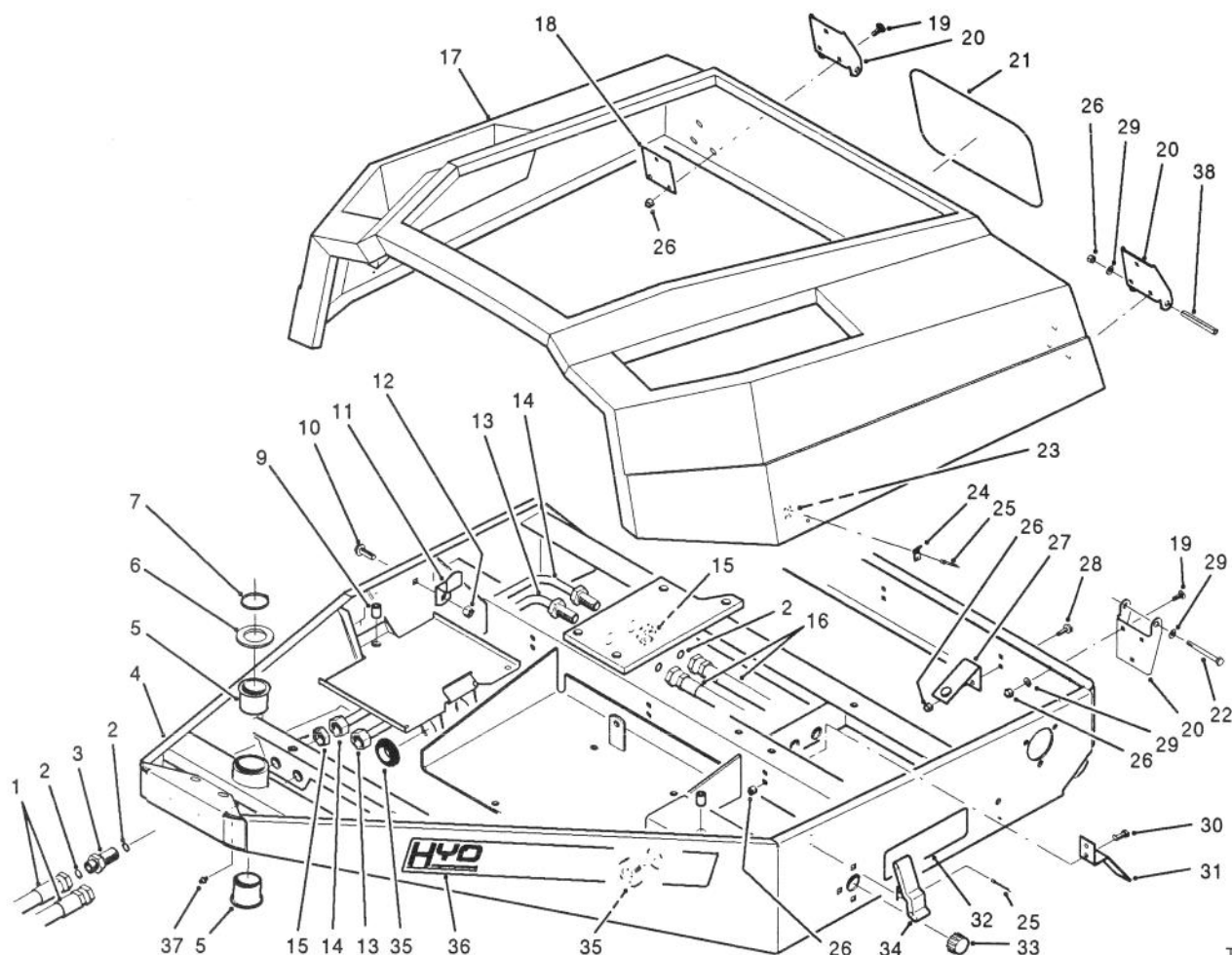


T-1275

WATER SYSTEM HOSE ROUTING DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	80-6512	Hose - Water	1
2	80-7344	Hose - Water	1
3	3290-378	Tie - Cable	3
4	354-96	Fitting - Tee	1
5	80-6511	Hose - Water	1
6	80-6510	Hose - Water	1
7	80-7342	Hose - Water	1

Ref. No.	Part No.	Description	No. Used
8	354-107	Fitting - Tee	2
9	80-7340	Hose - Water	6
10	80-7341	Hose - Water	2
11	2412-129	Clamp - Hose 3/8"	8
12	2412-108	Clamp - Hose 3/4"	20
13	80-6513	Hose - Water	1
14	80-6520	Hose - Water	1



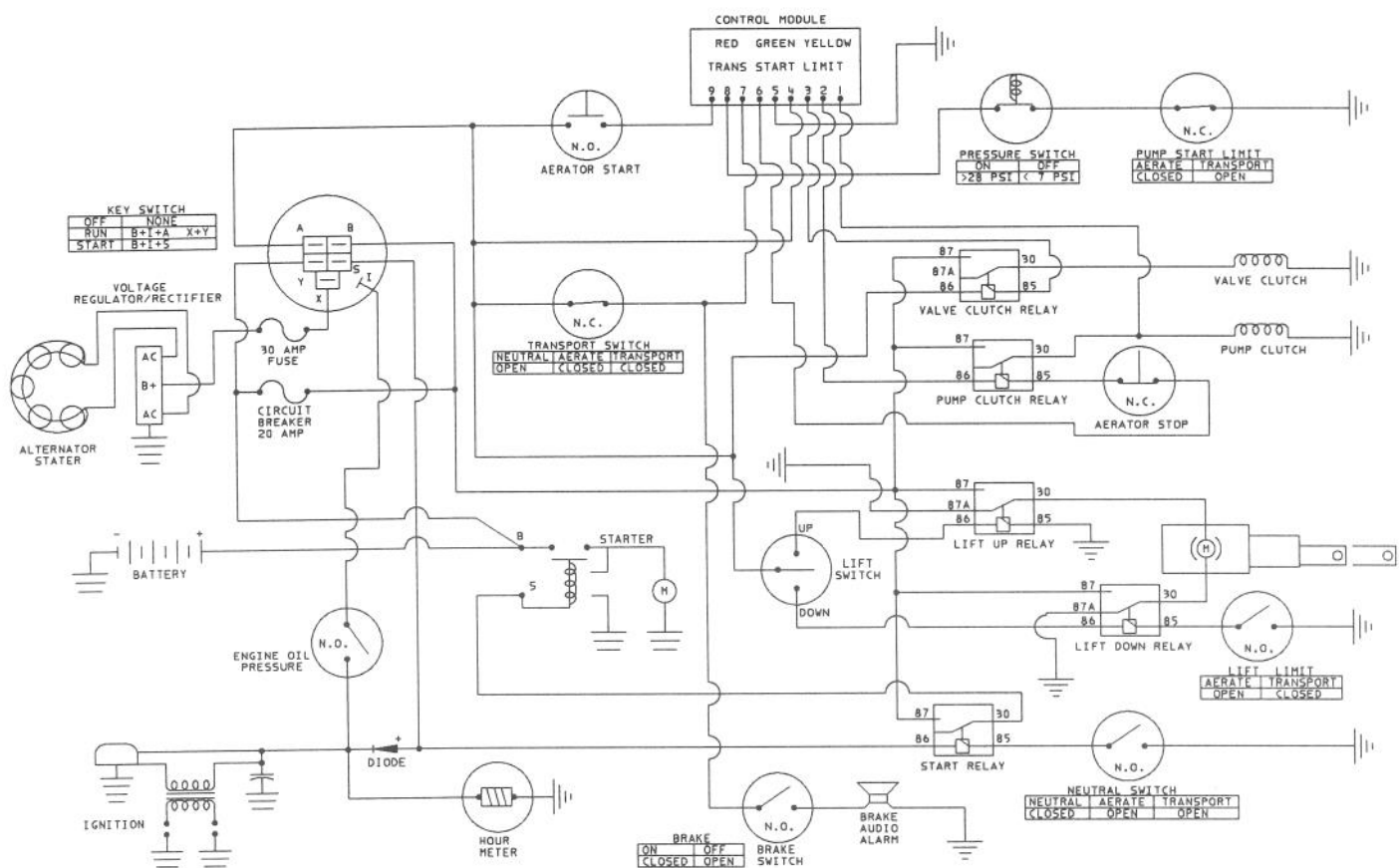
T-1197

FRAME & COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-7370	Hose - Hydraulic	2
2	237-30	Seal - O-Ring	6
3	340-161	Fitting - Hydraulic Bulkhead (Incl. Ref. #2)	2
4	14-5189	Frame (Incl. Ref. #32 & 36)	1
5	256-245	Bushing - Flange	2
6	61-1990	Washer - Steering	1
7	32151-44	Ring - Retaining	1
9	32148-9	Nut - Insert	3
10	3234-24	Screw - Hex. Flange Hd.	1
11	80-8580	Guard - Belt	1
12	3296-39	Nut - Lock	1
13	80-6640	Tube - Hydraulic (Incl. Ref. #2)	1
14	80-6630	Tube - Hydraulic (Incl. Ref. #2)	1
15	340-127	Nut - Bulkhead	4
16	80-7330	Hose - Hydraulic	2
17	80-5680	Hood	1
18	80-9090	Plate - Back-Up	2

Ref. No.	Part No.	Description	No. Used
19	3229-1	Bolt - Carriage	12
20	80-9080	Plate - Hinge	4
21	67-7310	Decal - TORO	1
22	321-28	Screw - Cap Hex. Hd.	2
23	80-9260	Plate - Back-Up	2
24	80-7780	Keeper - Latch	2
25	3269-25	Rivet - Pop	8
26	3296-42	Nut - Lock	26
27	80-9050	Bracket - Nozzle Rear	3
28	3234-4	Screw - Hex. Washer Hd.	6
29	3256-22	Washer - Flat	10
30	321-4	Screw - Cap Hex. Hd.	6
31	80-9060	Bracket - Nozzle Front	3
32	80-8090	Decal - Warning (English)	3
33	354-113	Cap - Pipe	1
34	80-6980	Latch Assembly (Incl. Ref. #24)	2
35	240-3	Grommet	4
36	80-8050	Decal - Hydroject 3000	2
37	302-5	Fitting - Grease	1
38	80-9310	Spacer - Hinge	2

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



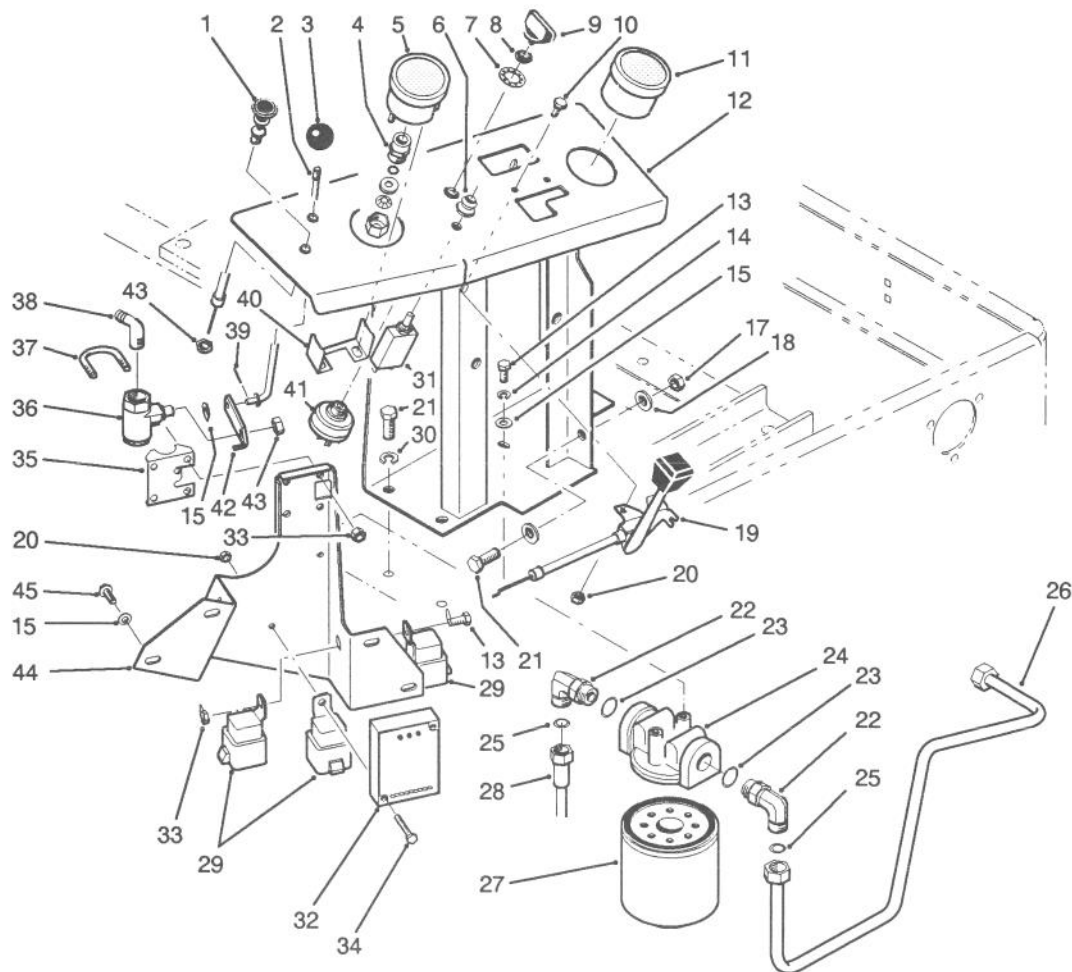
T-1237

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	67-7130	Diode (Install Red Marking toward positive)	1
*	80-9630	Wire Harness - Main	1

Ref. No.	Part No.	Description	No. Used
*	80-9620	Wire Harness - Tiller	1
*	80-8790	Wire Harness - Control Panel	1
*	3290-378	Tie - Cable	5

*Not Illustrated

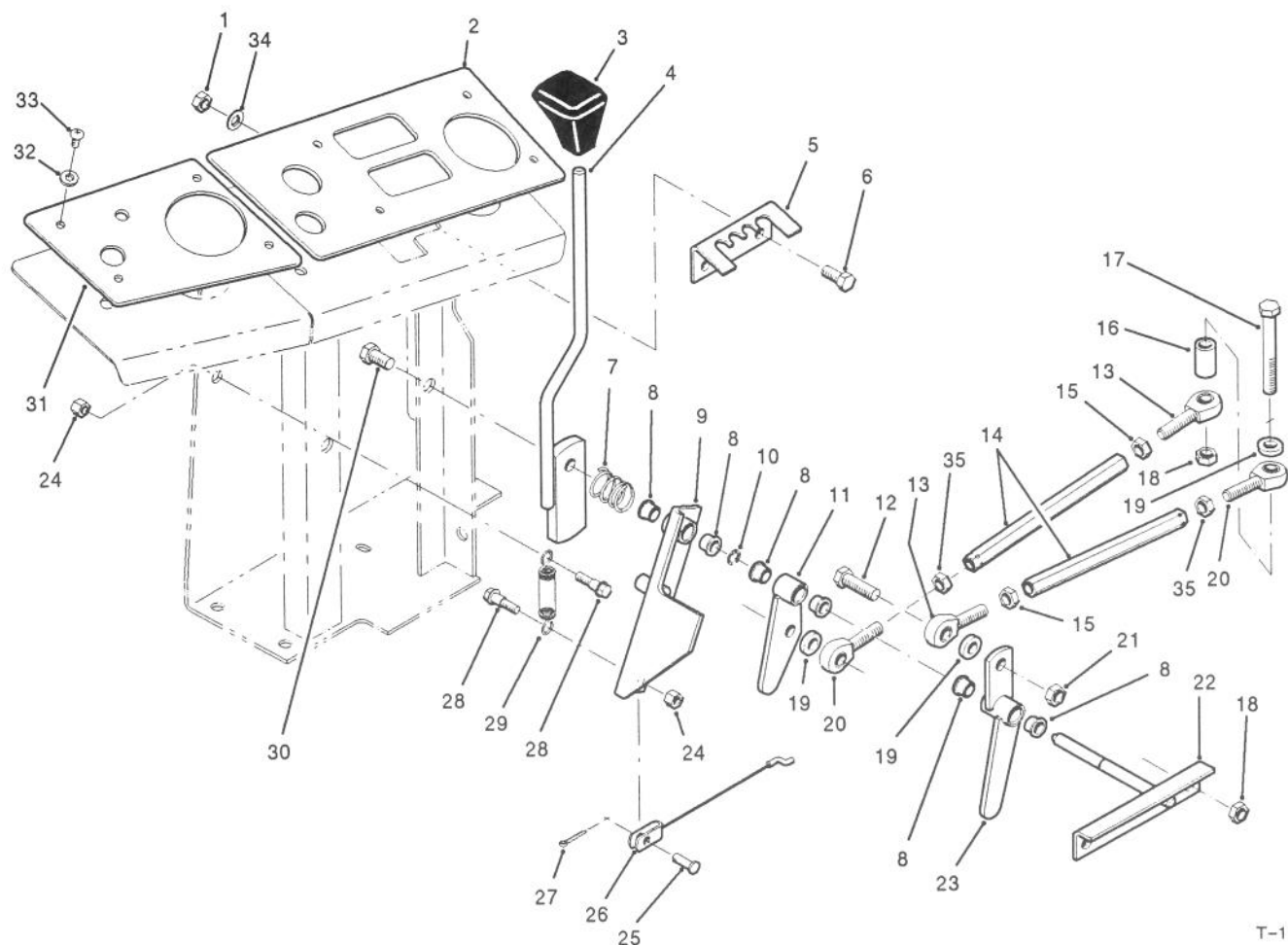


T-1203

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-7270	Choke Control Assembly (Incl. Ref. #43)	1
2	80-8280	Rod - Control	1
3	233-17	Knob	1
4	354-102	Hydraulic Fiting Assembly (Complete)	1
5	80-5640	Gauge - Pressure (Incl. Ref. #40)	1
6	80-7660	Seal - Button	1
7	218-447	Washer - Lock	1
8	218-446	Nut - Lock	1
9	63-8360	Key - Ignition	1
10	32105-2	Screw - Cap Hex. Hd.	2
11	66-2950	Hourmeter	1
12	80-7900	Panel - Control	1
13	321-3	Screw - Cap Hex. Hd.	4
14	3253-3	Washer - Lock	2
15	3256-22	Washer - Flat	7
17	3296-39	Nut - Lock	1
18	3256-24	Washer - Flat	2
19	80-8440	Control - Throttle	1
20	3296-2	Nut - Lock	4
21	323-6	Screw - Cap Hex. Hd.	3
22	340-98	Fitting - Hydraulic 90° (Incl. Ref. #23 & 25)	2
23	237-79	Seal - O-Ring	2

Ref. No.	Part No.	Description	No. Used
24	54-0100	Head - Oil Filter	1
25	237-30	Seal - O-Ring	2
26	80-9830	Tube - Hydraulic	1
27	67-8110	Element - Oil Filter	1
28	80-9830	Hose - Hydraulic	1
29	70-1480	Relay	5
30	3253-21	Washer - Lock	2
31	80-7310	Breaker - Circuit (Incl. Ref. #6)	1
32	80-8750	Control - Electric	1
33	3296-42	Nut - Lock	6
34	32105-5	Screw - Cap Hex. Hd.	2
35	80-8890	Mount - Valve	1
36	14-5259	Valve Assembly (Incl. Ref. #42 & 43)	1
37	80-7880	Bolt - U	2
38	354-93	Fitting - 90° Elbow	2
39	3272-2	Pin - Cotter	1
40		Clamp - Gauge	1
41	27-2360	Switch - Ignition (Incl. Ref. #7 & 8)	1
42	80-9580	Lever - Valve	1
43	3220-2	Nut - Lock	2
44	80-9550	Bracket - Relay	1
45	32104-95	Screw - Hex. Flange Hd.	4



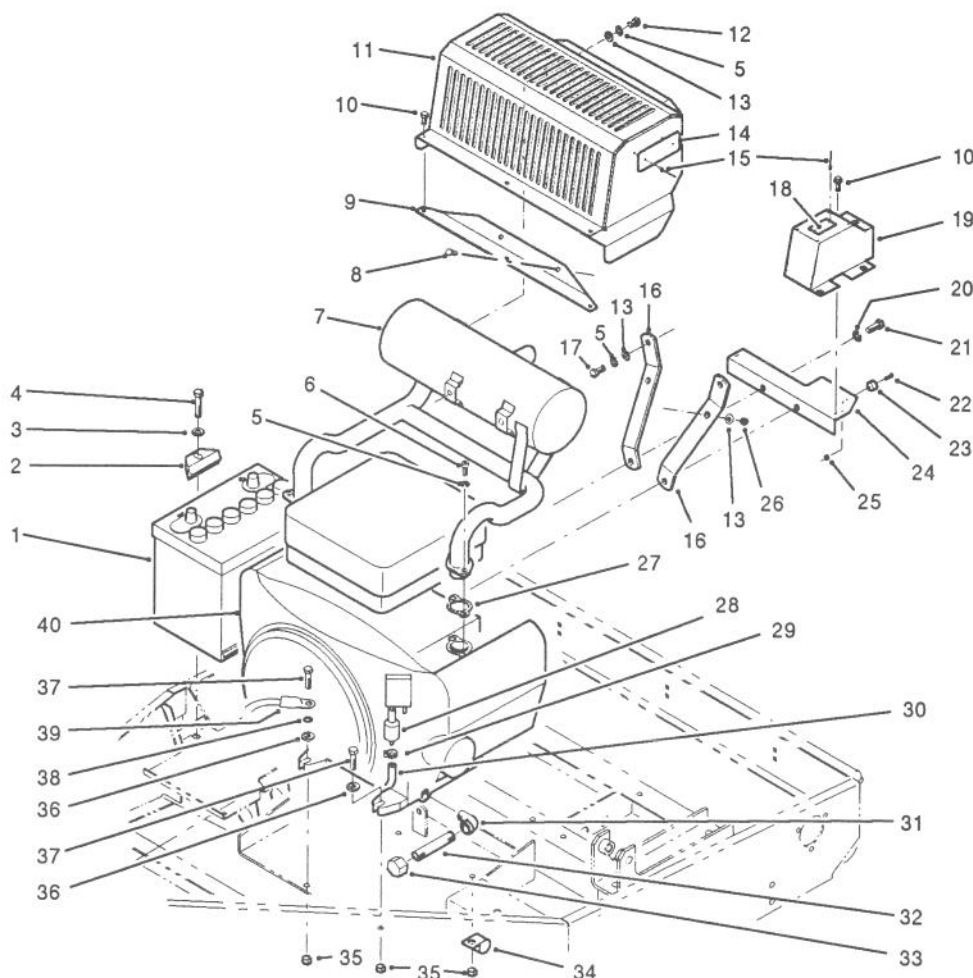
T-1193

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.



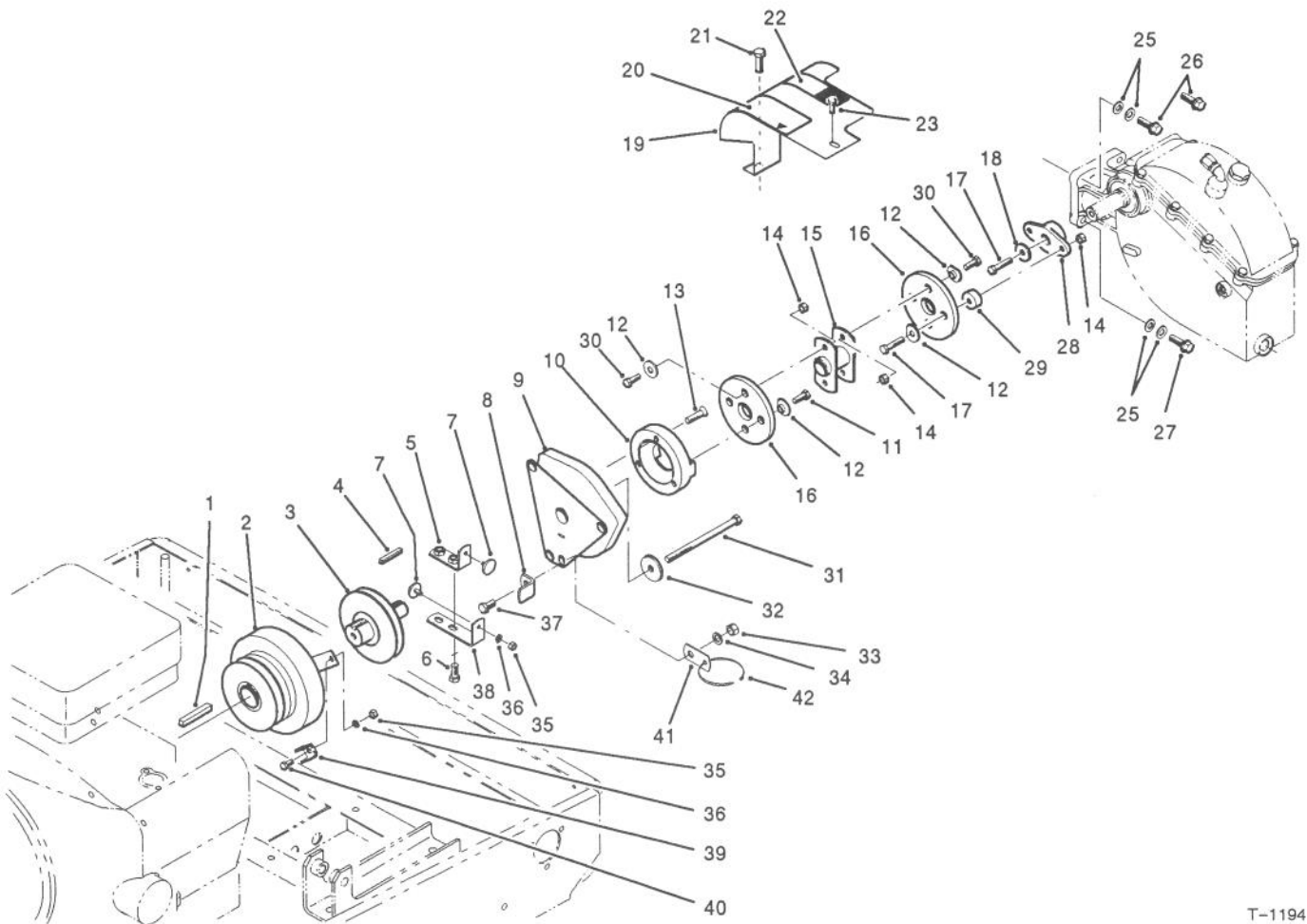
T-1192

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-6790	Battery	1	20	3253-21	Washer - Lock	2
2	66-2490	Clamp - Battery	1	21	323-6	Screw - Cap Hex. Hd.	2
3	3256-24	Washer - Flat	3	22	3250-39	Screw - Pan Hd.	1
4	323-9	Screw - Cap Hex. Hd.	1	23	66-2910	Bumper - Rubber	1
5	3253-4	Washer - Lock	8	24	80-7700	Bracket - Support	1
6	3274-10	Screw - Hex. Socket Hd.	4	25	3296-9	Nut - Lock	1
7	80-5650	Muffler	1	26	32152-1	Nut - Lock	2
8	322-4	Screw - Cap Hex. Hd.	2	27	82-1520	Gasket - Muffler	2
9	80-9150	Support - Muffler Shield	1	28	71-5960	Filter - Fuel	1
10	32104-95	Screw - Cap Hex. Hd.	5	29	2412-108	Clamp - Hose	1
11	14-5229	Guard - Muffler (Incl. Ref. #14 & 15)	1	30	47-2961	Hose - Fuel	1
12	322-1	Screw - Cap Hex. Hd.	2	31	2811-10	Fitting - Drain 90°	1
13	3256-23	Washer - Flat	6	32	289-48	Nipple - Drain	1
‡14	80-8290	Plate - Hot Surface (English)	3	33	288-4	Cap - Drain	1
15	3269-32	Rivet - Pop	10	34	2412-71	Clamp - R	2
16	80-7680	Support - Muffler	2	35	32128-21	Nut - Flange Lock	4
17	322-3	Screw - Cap Hex. Hd.	2	36	52-5980	Spacer	2
‡18	80-9350	Plate - Hot Surface (English)	2	37	323-19	Screw - Cap Hex. Hd.	4
19	14-5239	Guard - Muffler L.H. (Incl. Ref. #10 & 18)	1	38	3255-9	Washer - E.T.L.W.	1
*	14-5249	Guard - Muffler R.H. (Incl. Ref. #10 & 18)	1	39	80-8370	Cable - Battery (Neg.)	1
				*	80-8380	Cable - Battery (Pos.)	1
				40	80-5400	Engine	1

*Not Illustrated

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



T-1194

GEAR BOX DRIVE ASSEMBLY

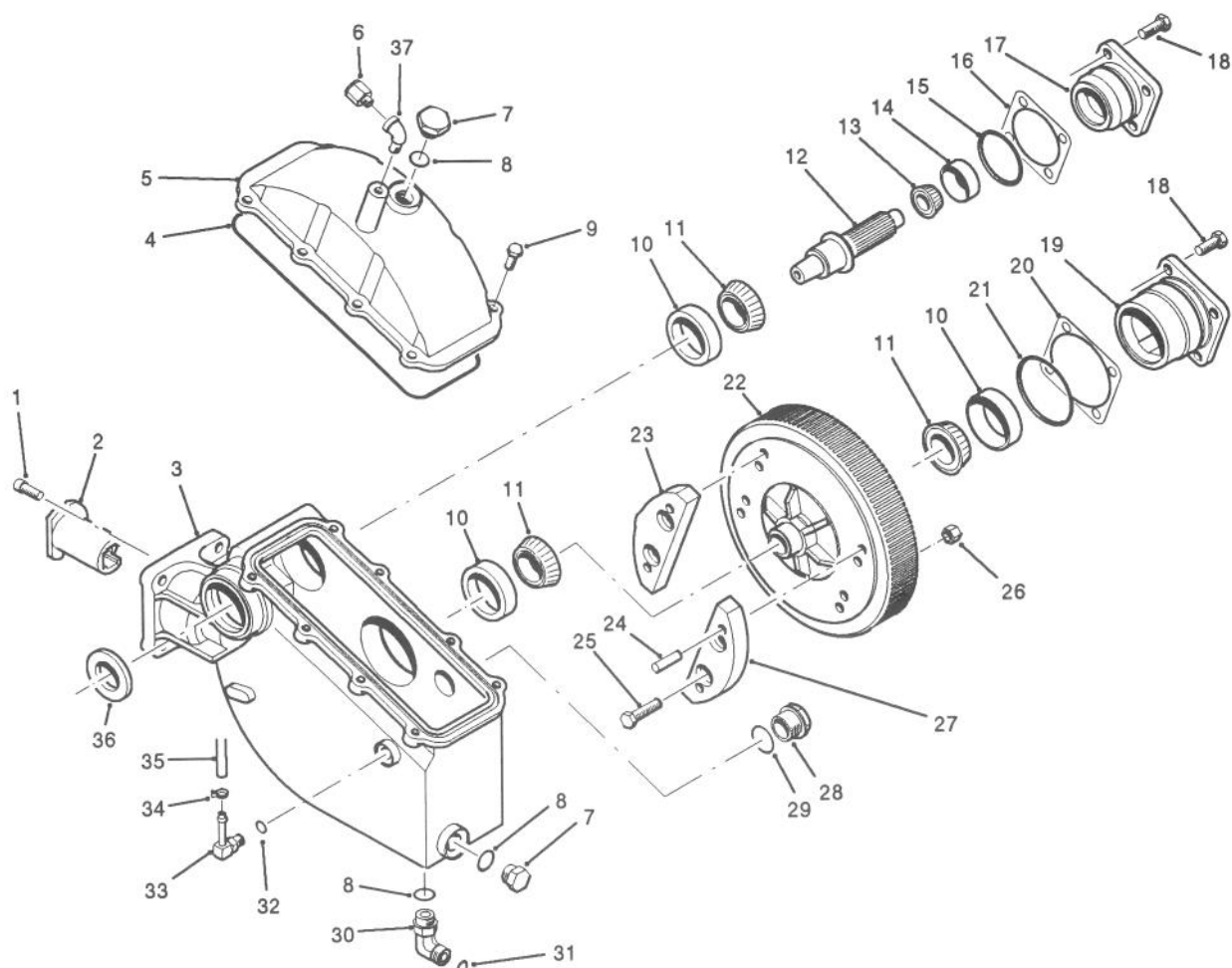
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-6140	Key - Clutch	1	21	32144-67	Screw - Hex. Washer Hd.	1
2	80-5430	Clutch - Water Pump	1	‡22	80-8040	Decal - Warning (English)	1
3	80-9520	Pulley - Engine	1	23	32104-95	Screw - Hex. Washer Hd.	1
4	7-0238	Key - Clutch	1	25	3256-24	Washer - Flat	8
5	80-9760	Stop - Clutch	1	26	3234-24	Screw - Hex. Washer Hd.	2
6	323-6	Screw - Cap Hex. Hd.	2	27	3234-11	Screw - Hex. Washer Hd.	2
7	240-14	Bumper	2	28	80-8180	Hub - Adapter	1
8	80-8630	Angle - Clutch	1	29	80-8660	Spacer - Coupling	2
9	80-6700	Electric Clutch Assembly	1	30	3210-5	Screw - Cap Hex. Hd.	4
10	80-6930	Adapter - Clutch	1	31	3211-38	Screw - Cap Hex. Hd.	1
11	322-4	Screw - Cap Hex. Hd.	2	32	80-8560	Washer	1
12	80-8620	Spacer - Coupler	8	33	3217-7	Nut - Lock	1
13	32108-103	Screw - Flat Hd.	3	34	3253-21	Washer - Lock	1
14	32152-5	Nut - Lock	6	35	3217-5	Nut - Lock	3
15	80-6950	Shaft - Coupler	1	36	3253-3	Washer - Lock	3
16	80-8650	Disc - Rubber	2	37	323-4	Screw - Cap Hex. Hd.	1
17	3210-8	Screw - Cap Hex. Hd.	3	38	80-9780	Stop - Clutch	1
18	80-8570	Washer	1	39	80-6920	Bracket - Clutch Retainer	2
19	14-5169	Shield - Drive (Incl. Ref. #20 & 22)	1	40	321-3	Screw - Cap Hex. Hd.	1
‡20	80-8000	Decal - Warning (English)	1	41	80-9230	Support - Wire	1
				42	3290-378	Tie - Cable	1

*Not Illustrated

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



Ref. No.	Part No.	Description	No. Used
4	3296-6	Nut - Lock	3
5	80-6710	Armature & Hub Assembly	1

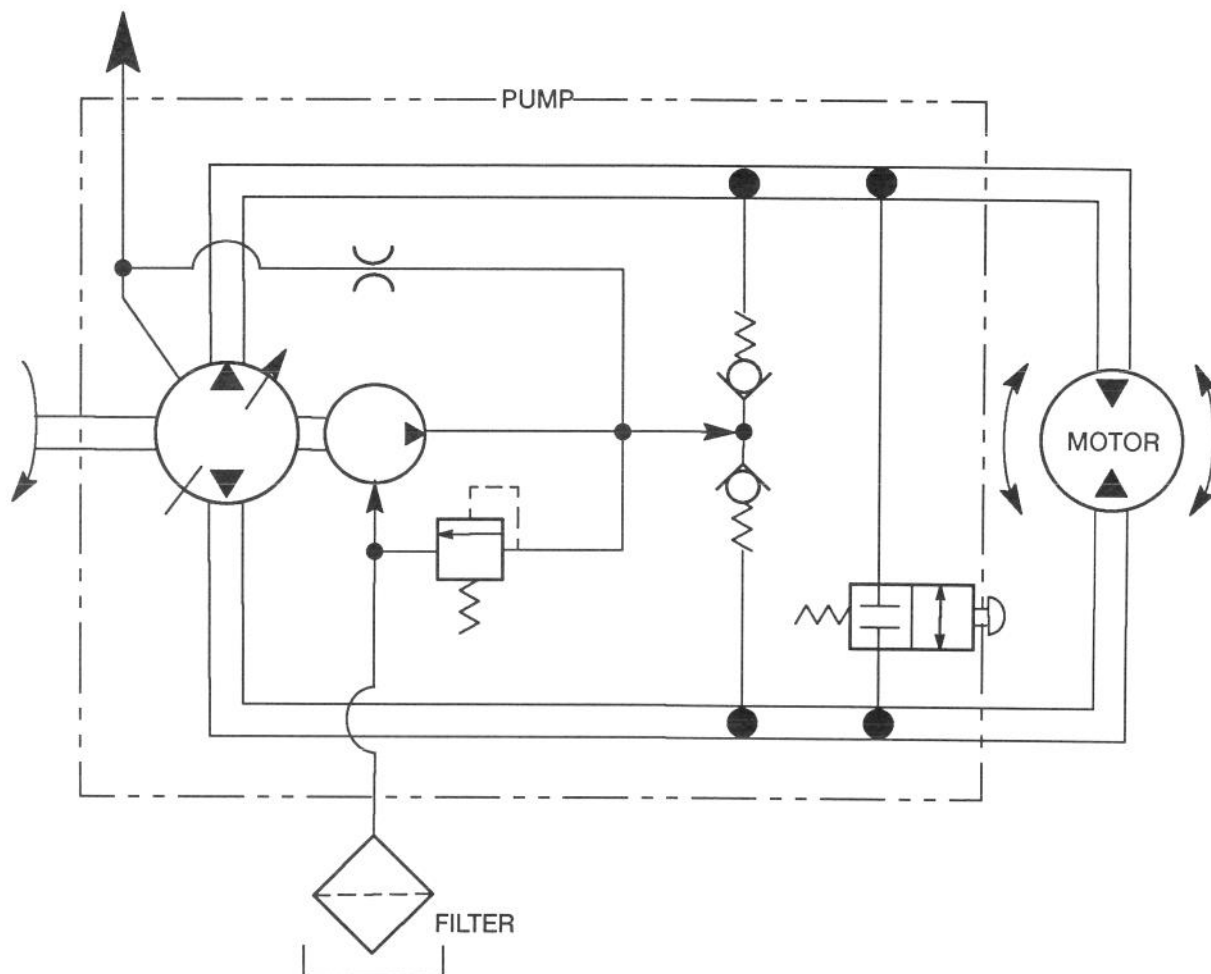


T-1199

GEARBOX ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3274-10	Screw - Socket Hd.	2	20	80-7040	Shim - Gear/Cam Bearing .002" Red	1
2	80-5330	Sleeve - Follower	1	*	80-7041	Shim - Gear/Cam Bearing .005" Blue	1
3	80-5240	Housing - Gear Box	1	*	80-7042	Shim - Gear/Cam Bearing .015" Pink	1
4	237-171	Seal - Cover	1	*	80-7043	Shim - Gear/Cam Bearing .020" Yellow	1
5	80-5260	Cover - Gear Box	1	21	237-25	Seal - O-Ring	1
6	80-7020	Fitting - Breather	1	22	80-5280	Gear	1
7	353-550	Fitting - Plug (Incl. Ref. #8)	2	23	80-8500	Cam	1
8	237-79	Seal - O-Ring	3	24	32121-42	Pin - Roll	4
9	322-4	Screw - Cap Hex. Hd.	8	25	323-52	Screw - Cap Hex. Hd.	4
10	254-61	Cup - Bearing	3	26	3296-39	Nut - Lock	4
11	254-62	Cone - Bearing	3	27	80-8510	Block - Weight	1
12	80-8340	Shaft - Pinion	1	28	69-1170	Glass - Sight (Incl. Ref. #29)	1
13	254-68	Cone - Bearing	1	29	237-81	Seal - O-Ring	1
14	254-67	Cup - Bearing	1	30	340-98	Fitting - Hydraulic 90° (Incl. Ref. #8 & 31)	1
15	237-172	Seal - O-Ring	1	31	237-30	Seal - O-Ring	1
16	80-7030	Shim - Pinion Bearing .002" Red	1	32	237-78	Seal - O-Ring	1
*	80-7031	Shim - Pinion Bearing .005" Blue	1	33	304-99	Fitting - 90° Elbow (Incl. Ref. #32)	1
*	80-7032	Shim - Pinion Bearing .015" Pink	1	34	2412-108	Clamp - Hose	1
*	80-7033	Shim - Pinion Bearing .020" Yellow	1	35	80-7360	Hose	1
17	80-5320	Housing - Pinion Bearing	1	36	253-148	Seal - Input Shaft	1
18	323-5	Screw - Cap Hex. Hd.	8	37	2811-7	Fitting - Breather 90°	1
19	80-5300	Housing - Gear/Cam Brg.	1				

*Not Illustrated

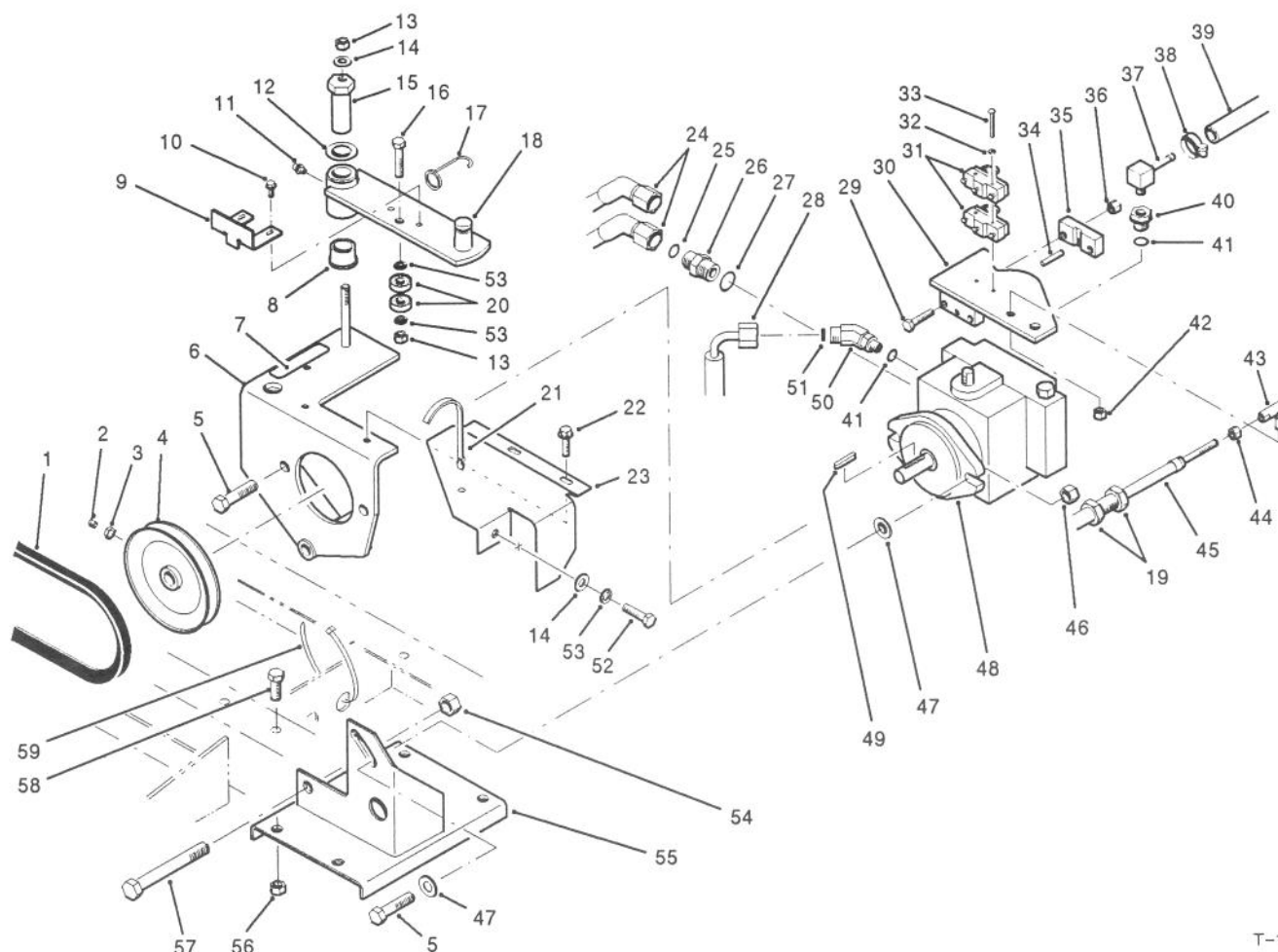


T-1273

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

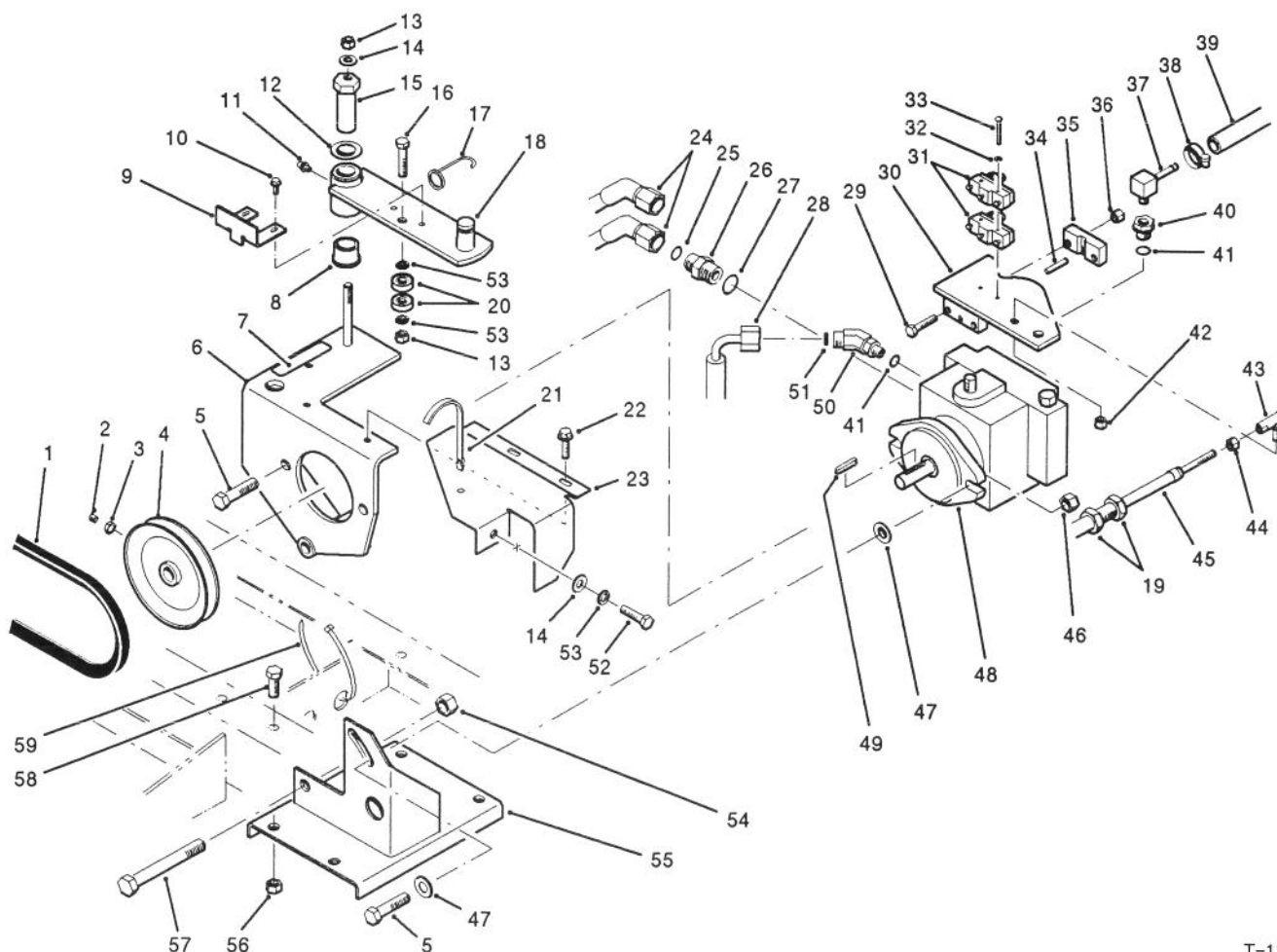


T-1195

HYDRAULIC PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-6720	Belt - V	1	26	340-4	Fitting - Hydraulic Str. (Incl. Ref. #25 & 27)	2
2	3245-5	Screw - Set	2	27	237-79	Seal - O-Ring	2
3	3218-1	Nut - Jam	2	28	80-7350	Hose - Hydraulic	1
4	80-8170	Pulley - Hydraulic Pump	1	29	321-10	Screw - Cap Hex. Hd.	2
5	324-6	Screw - Cap Hex. Hd.	2	30	80-7800	Lever - Pump	1
6	14-5209	Mount - Pump (Incl. Ref. #7)	1	31	29-6162	Switch - Micro	2
‡7	80-8760	Decal - Danger (English)	1	32	3254-9	Washer - Lock	2
8	256-113	Bushing - Flange	2	33	32105-24	Screw - Round Hd.	2
9	80-7770	Tab - Switch	1	34	32121-34	Pin - Roll	1
10	32104-60	Screw - Hex. Washer Hd.	2	35	80-9320	Clamp - Traction	1
11	302-5	Fitting - Grease	1	36	3296-42	Nut - Lock	2
12	3-6498	Washer - Thrust	1	37	304-75	Fitting - Hydraulic 90°	1
13	3296-29	Nut - Lock	2	38	2412-108	Clamp - Hose	1
14	3256-23	Washer - Flat	2	39	80-7360	Hose - Hydraulic	1
15	76-8640	Stud	1	40	80-7320	Fitting - Adapter (Incl. Ref. #41)	1
16	322-17	Screw - Cap Hex. Hd.	1	41	237-42	Seal - O-Ring	2
17	80-6610	Spring - Extension	1	42	3296-3	Nut - Lock	1
18	80-7630	Neutral Lever Assembly	1	43	2411-34	Joint - Ball	1
19	3220-6	Nut - Jam	2	44	3220-1	Nut - Jam	1
20	251-259	Bearing - Ball	2	45	80-7220	Stroke Control Cable Assy. (Incl. Ref. #19)	1
21	3290-410	Tie - Cable	1	46	32128-37	Nut - Flange Lock	2
22	32104-95	Screw - Hex. Washer Hd.	2	47	3256-25	Washer - Flat	2
23	80-9170	Bracket - Pulley Guard	1	48	80-5450	Hydraulic Pump Assembly	1
24	80-7330	Hose - Hydraulic	2				
25	237-30	Seal - O-Ring	2				

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

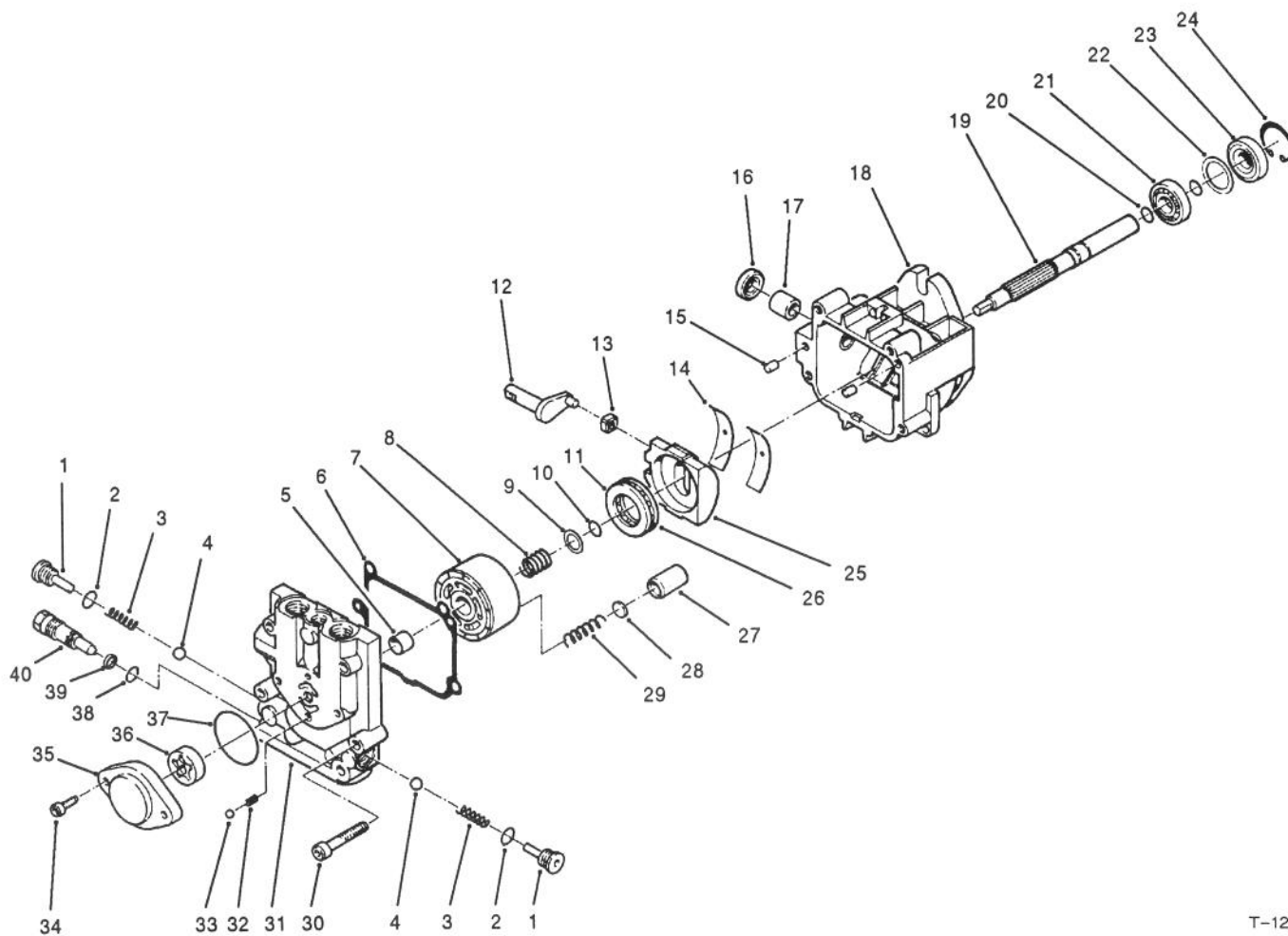


T-1195

HYDRAULIC PUMP INSTALLATION ASSEMBLY (Continued)

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

Ref. No.	Part No.	Description	No. Used
54	3296-23	Nut - Lock	1
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

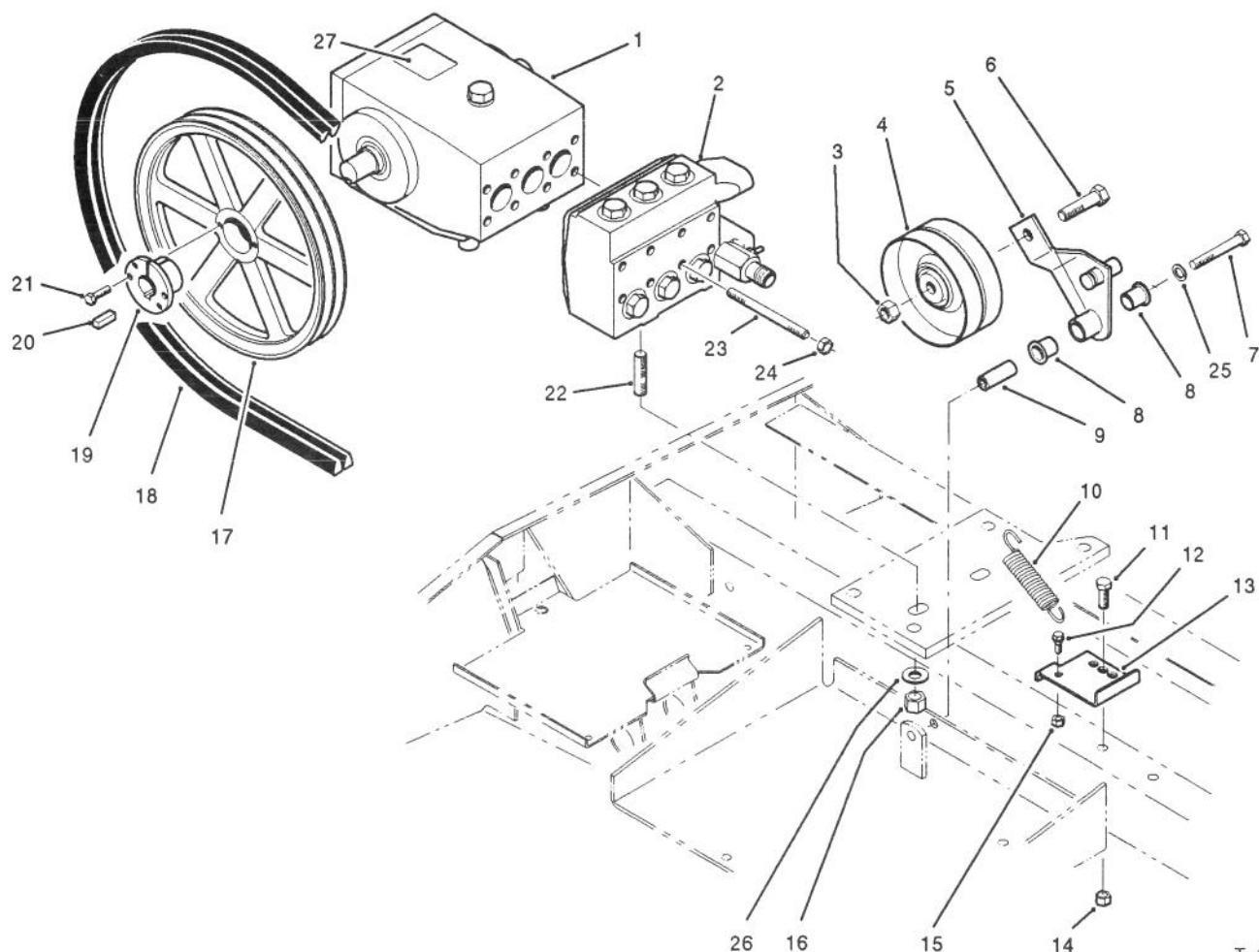


T-1236

HYDRAULIC PUMP ASSEMBLY NO. 80-5450

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-6120	Check Valve Kit (Incl. Ref. #2-4)	1	23		Seal - Lip	1
2		Seal - O-Ring	2	24		Ring - Retaining	1
3		Spring	2	25		Swashplate Assembly	1
4		Ball	2	26		Roller - Thrust	1
5		Journal - Bearing	1	27		Piston	5
6		Gasket - End Cap	1	28		Washer - Thrust	5
7		Cylinder Block Kit (Incl. Ref. #8-10 & 27-29)	1	29		Spring - Piston	5
8		Spring	1	30		Screw	4
9		Washer	1	31		End Cap Assembly (Incl. Ref. #5)	1
10		Ring - Retaining	1	32		Ball	1
11		Plate - Thrust	1	33		Spring	1
12		Arm - Trunion	1	34		Screw	2
13		Guide - Slot	1	35		Housing - Charge Pump	1
14		Cradle - Bearing	2	36		Gerotor Assembly	1
15		Pin	2	37		Seal - O-Ring	1
16		Seal - Lip	1	38		Seal - O-Ring	1
17		Journal - Bearing	1	39		Ring - Back-Up	1
18		Housing - Assembly (Incl. Ref. #16 & 17)	1	40		Valve - Bypass	1
19		Shaft	1	*	80-6110	Charge Relief Valve Kit (Incl. Ref. #32-33)	1
20		Ring - Retaining	2	*	80-6130	Overhaul Seal Kit (Incl. Ref. #6, 10, 16, 20, 23 & 37-39)	1
21		Bearing - Ball	1				
22		Spacer	1				

*Not Illustrated

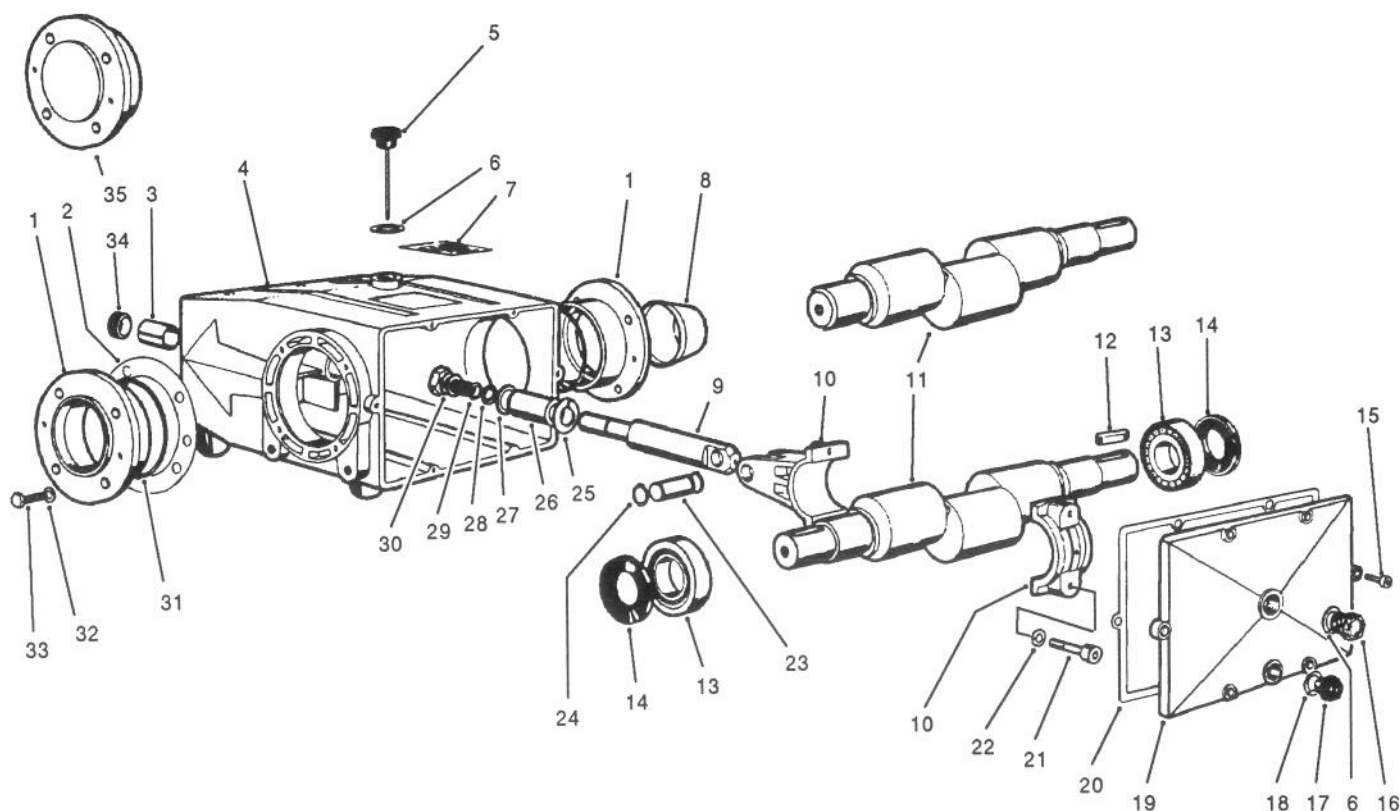


T-1201

WATER PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	14-5299	Pump Crankcase Assembly (Incl. Ref. #20, 23 & 27)	1
2	14-5289	Head - Pump (Incl. Ref. #22)	1
3	3296-28	Nut - Lock	1
4	80-8360	Pulley - Idler	1
5	80-7430	Bracket - Idler	1
6	3213-5	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

Ref. No.	Part No.	Description	No. Used
14	3296-39	Nut - Lock	1
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. #27)	1
20	80-5920	Key - Collar	1
21	321-4	Screw - Cap Hex. Hd.	2
22	80-8680	Stud - Mounting	2
23	80-8260	Stud - Head	8
24	3219-28	Nut - Lock	8
25	3253-21	Washer - Lock	1
26	3256-26	Washer - Flat	2
27	80-9450	Decal - Pump	1

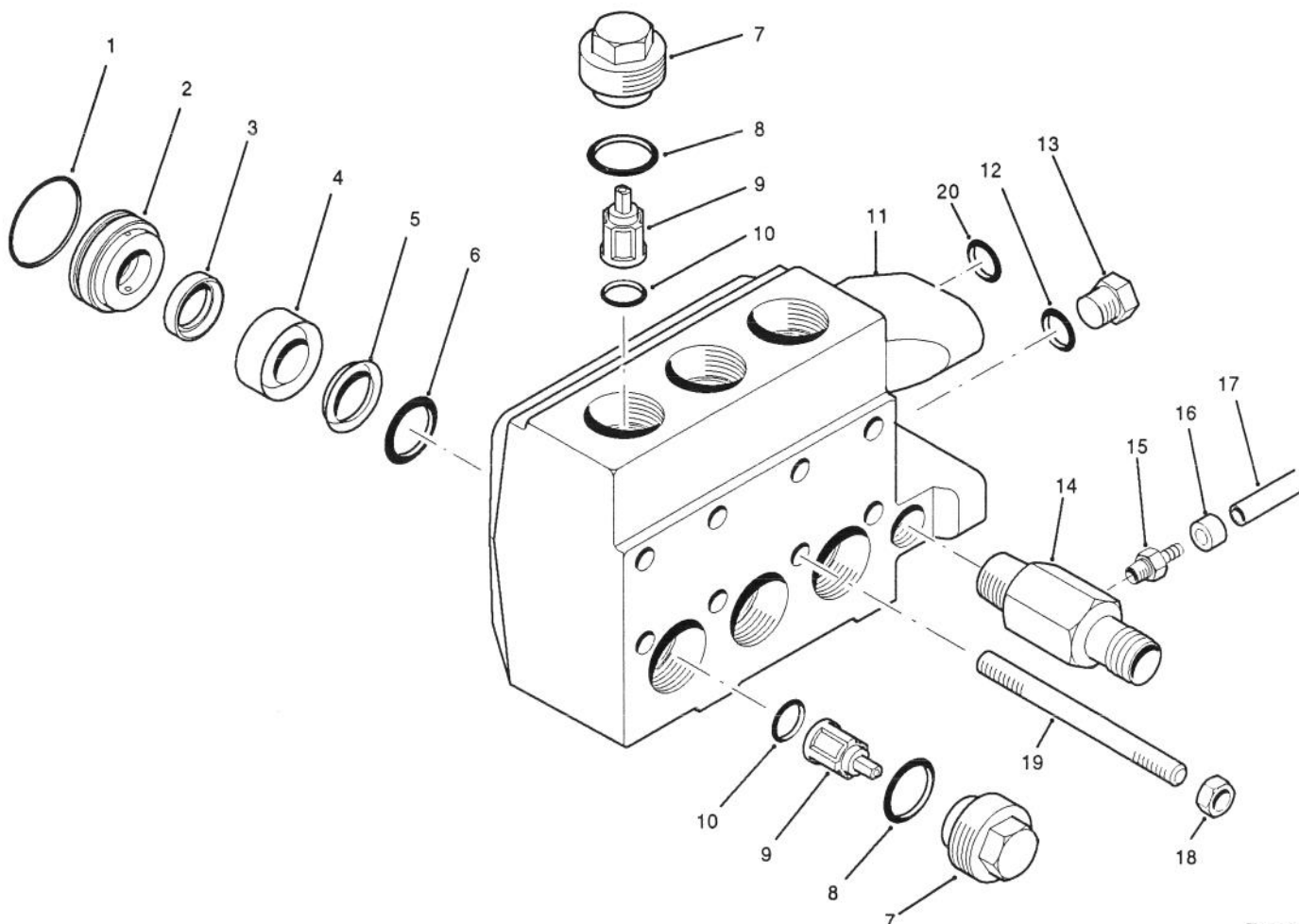


T-1307

WATER PUMP CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-5960	Housing - Bearing (Thru) (Use 2 on pumps with long crankshafts. Use 1 on pumps with short crankshafts)		17	80-5840	Plug - Drain	1
2	80-6040	Shim - Bearing Housing	2	18	80-5830	Gasket	1
3	80-6000	Guide - Plunger	3	19	80-5880	Cover - Crankcase	1
4		Crankcase	1	20	80-5890	Gasket - Crankcase Cover	1
5	80-5990	Dipstick - Oil	1	21	80-5820	Screw - Socket Hd.	6
6	80-5850	Gasket	2	22	80-5810	Washer - Lock	6
7	80-9450	Decal - Crankcase	1	23	80-6070	Pin - Connecting Rod	3
8	80-5950	Protector - Shaft (For pumps with long crankshafts only)	1	24	80-6060	Ring - Retaining	6
9	80-5940	Rod - Plunger	3	25		Spacer - Copper	3
10	80-5800	Connecting Rod Assembly (Incl. Ref. #21 & 22)	3	26		Sleeve - Plunger	3
11	80-5930	Crankshaft (Long)	1	27		Spacer - Copper	3
11	80-9430	Crankshaft (Short)	1	28		Ring - Teflon	3
12	80-5920	Key - Crankshaft	1	29		Seal - O-Ring	3
13	80-5910	Bearing - Roller	2	30		Plunger Bolt Assembly	3
14	80-5900	Seal - Crankshaft	2	31	80-5970	Seal - O-Ring	2
15	80-5870	Screw - Socket Hd.	6	32	80-6020	Washer	8
16	80-5860	Glass - Sight	1	33	80-6030	Screw - Cap Hex. Hd.	8
				34	80-6010	Plunger Seal Kit (Incl. 3 Seals)	1
				35	80-9420	Housing - Bearing (Cap) (Use on pumps with short crankshafts only)	1
				*	80-6050	Sleeve Kit (20mm) (Incl. Ref. #25-30)	3
				*	14-5299	Water Pump Crankcase (Complete)	1

*Not Illustrated



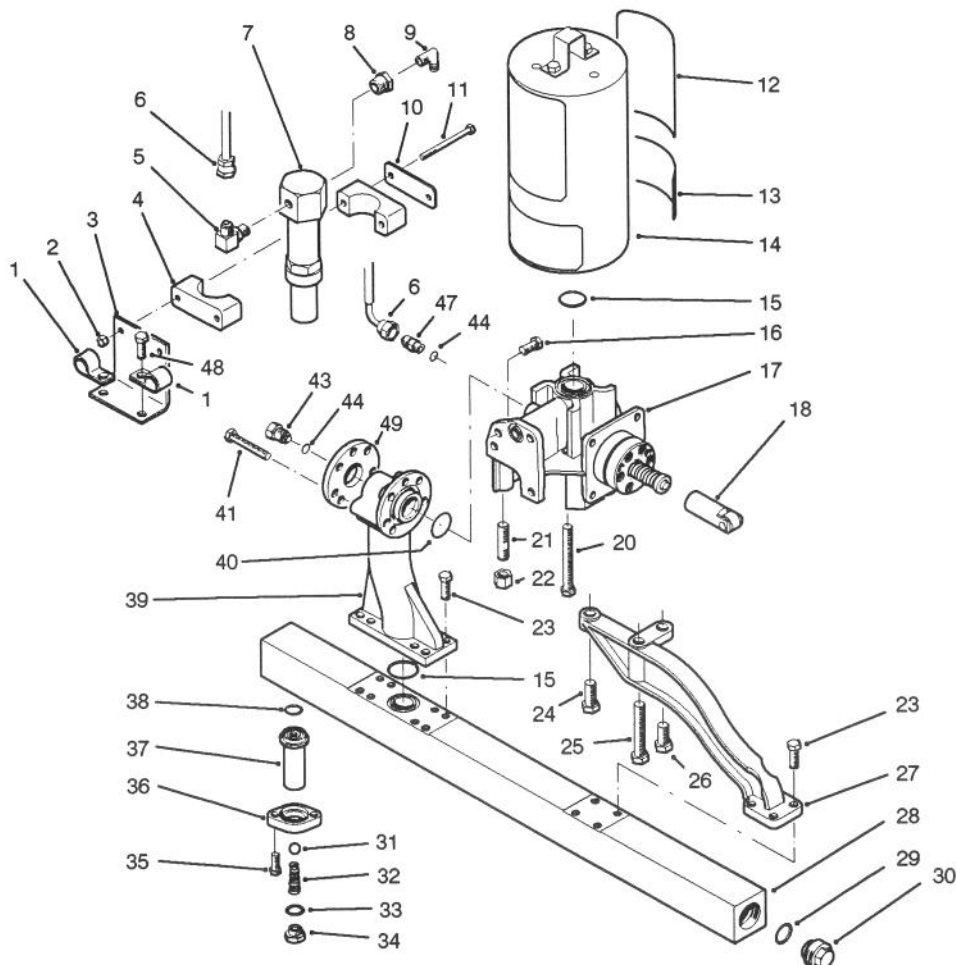
T-1202

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
13	354-82	Plug Assembly (Incl. Ref. #12)	3

Ref. No.	Part No.	Description	No. Used
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	80-8260	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

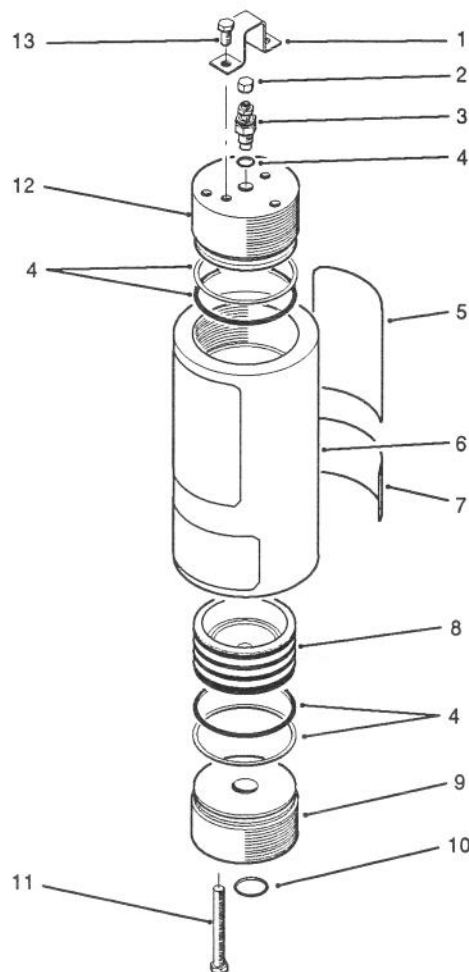
WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	2412-81	Clamp - R	2	24	325-5	Screw - Cap Hex. Hd.	1
2	3296-42	Nut - Lock	2	25	325-12	Screw - Cap Hex. Hd.	1
3	80-8350	Bracket - Clamp	1	26	325-4	Screw - Cap Hex. Hd.	1
4	80-6590	Clamp - Relief Valve (Incl. Ref. #10)	1	27	80-5080	Support - Manifold	1
5	354-110	Fitting - Water 90°	1	28	80-5380	Manifold	1
6	80-8770	Tube - Water	1	29	80-5791	Seal - O-Ring	2
7	80-7070	Relief Valve Assembly	1	30	80-8220	Plug	2
8	354-92	Fitting - Reducer	1	31	255-12	Ball - Check	11
9	354-93	Fitting - 90° Elbow	1	32	80-9710	Spring - Conical	11
10		Plate - Backing	1	33	80-6680	Washer	11
11	321-19	Screw - Cap Hex. Hd.	2	34	80-6670	Nozzle (#53) (Std.)	11
‡12	80-8030	Decal - Danger (English)	2	*†	80-6673	Nozzle (#46) (Opt.)	6
‡13	80-8880	Decal - Warning (English)	2	*†	80-6675	Nozzle (#56) (Opt.)	6
14	80-9190	Accumulator Assembly (Incl. Ref. #12,13, 15 & 20)	1	35	3234-35	Screw - Hex. Flange Hd.	22
15	80-5784	Seal - O-Ring	2	36	80-9800	Flange - Nozzle	11
16	323-6	Screw - Cap Hex. Hd.	4	37	80-9720	Extension - Nozzle	11
17		Valve Assembly (Incl. Ref. #21)	1	38	80-5786	Seal - O-Ring	11
18	80-5580	Follower - Cam	1	39	80-8210	Feeder - Manifold	1
20	324-26	Screw - Cap Hex. Hd.	4	40	80-5780	Seal - O-Ring	1
21	80-8680	Stud	2	41	323-20	Screw - Cap Hex. Hd.	7
22	3296-19	Nut - Lock	2	43	80-8230	Plug	1
23	323-5	Screw - Cap Hex. Hd.	12	44	80-5793	Seal - O-Ring	2
				47	354-111	Fitting - Water Straight	1
				48	32144-67	Screw - Cap Hex. Hd.	2
				49	80-9680	Support - Feeder	1

*Not Illustrated

†Refer to Product Operators Manual

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

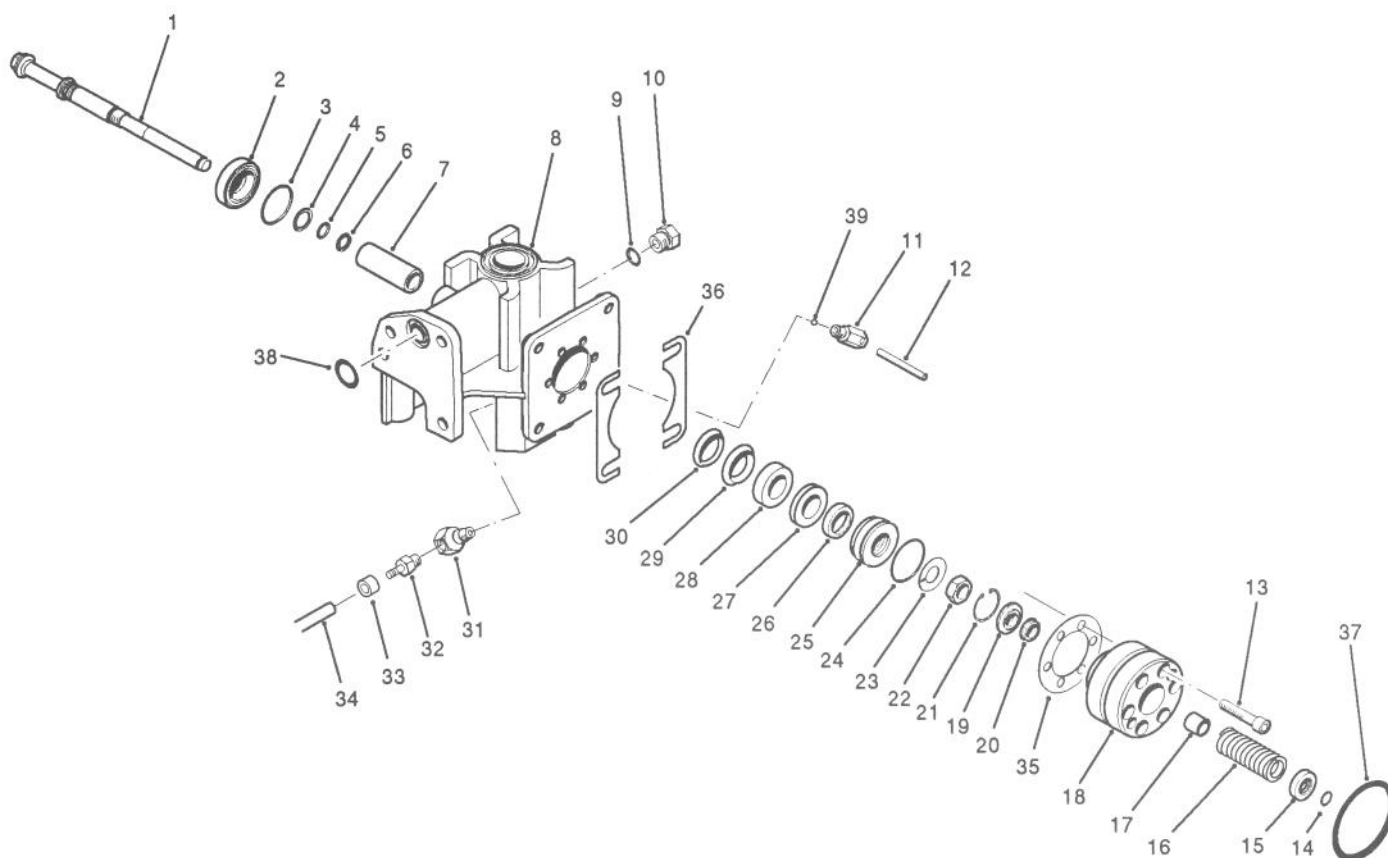


T-1257

ACCUMULATOR ASSEMBLY NO. 80-9190

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	80-9020	Protector - Valve	1	8	80-8980	Piston Assembly	1
2	80-8970	Cap - Valve	1	9	80-9040	Cap - Water End	1
3	80-9000	Valve - Gas	1	10	80-5784	Seal - O-Ring	1
4	80-8990	End Seal/Back-Up Ring Kit	1	11	324-26	Screw - Cap Hex. Hd.	4
‡5	80-8030	Decal - Danger (English)	2	12	80-9030	Cap - Gas End	1
6		Body	1	13	323-4	Screw - Cap Hex. Hd.	2
‡7	80-8880	Decal - Warning (English)	2				

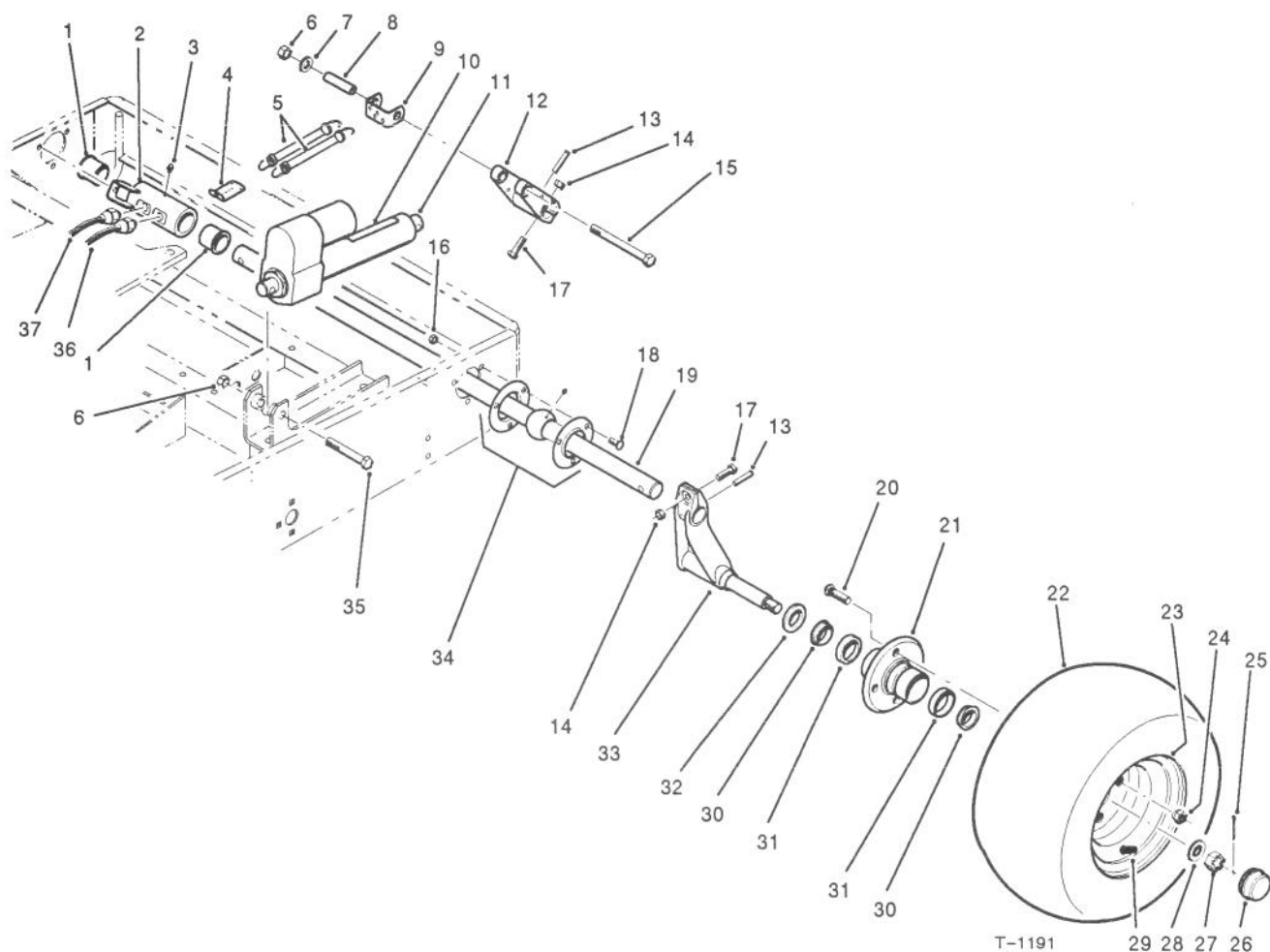
Note: Accumulator is shipped without gas pressure, it must be charged by an Authorized Toro Technician prior to use. ‡For different language versions of this part, see International Decal Cross Reference.



WATER VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80-5600	Spool - Valve	1
2	80-5610	Seat - Valve	1
3	80-5780	Seal - O-Ring	1
4	80-8490	Washer - Back-Up	1
5	80-8460	Seal - O-Ring	1
6	80-8470	Ring - Support	1
7	80-8450	Sleeve - Ceramic	1
8	14-5269	Body - Valve	1
9	80-5794	Seal - O-Ring	1
10	354-82	Plug	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
23	80-8480	Washer	1
24	237-178	Seal - O-Ring	1
25	80-9220	Retainer - Seal	1
26	80-5760	Seal - U-Cup	1

Ref. No.	Part No.	Description	No. Used
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	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
37	237-173	Seal – O-Ring	1
38	80-5782	Seal – O-Ring	1
39	255-13	Ball – Steel	1
*	80-9660	Kit – Rebuild (Incl. Ref. #3-7, 14, 17, 20, 22-24, 26-30, 35-38 & Ref. No. 44 on page 23)	1
*	80-6050	Sleeve Kit (Incl. Ref. #4-7 & 23)	1

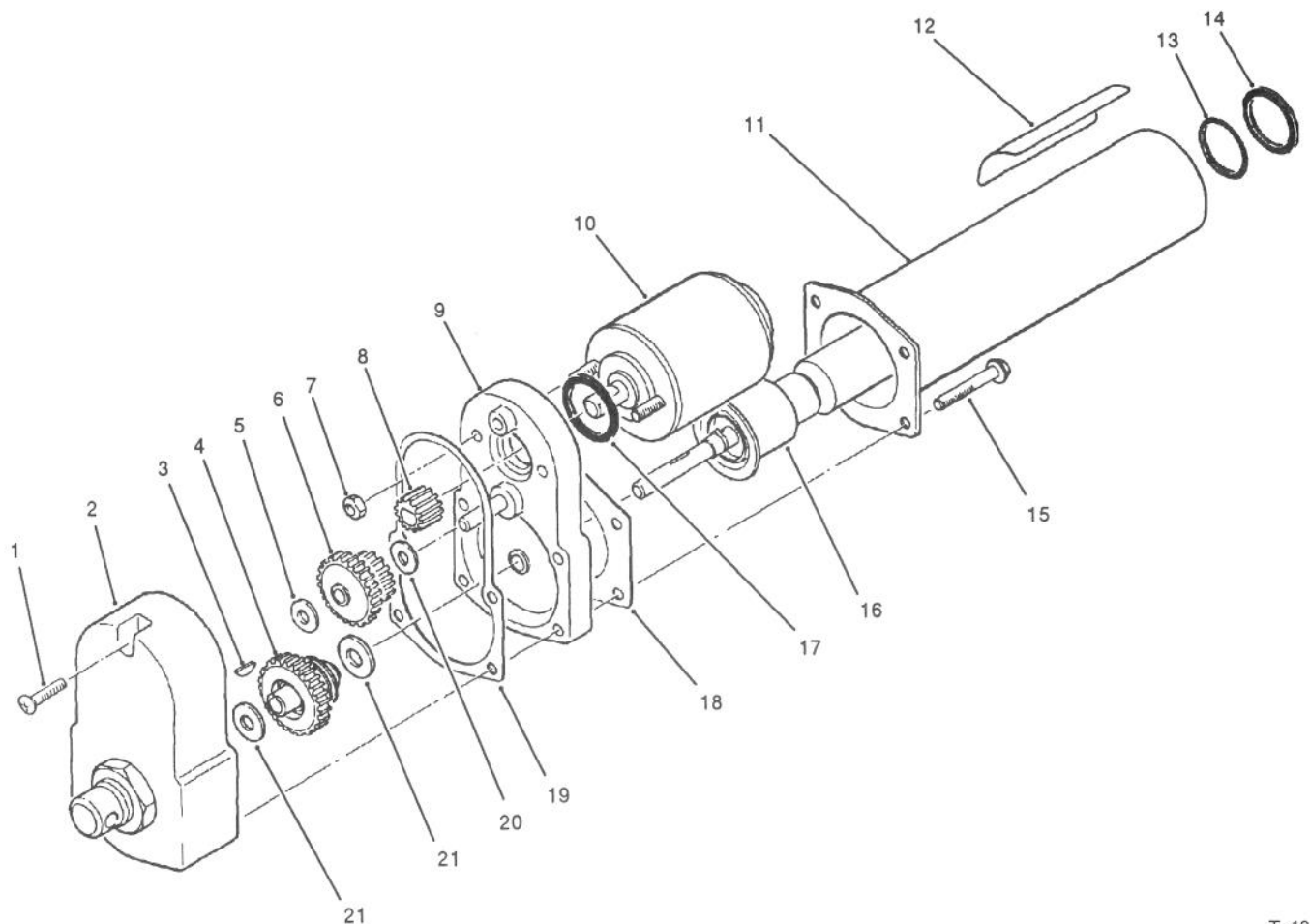


REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	256-268	Bushing - Flange	2
2	80-6540	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
19	80-5710	Shaft - Lift	1

Ref. No.	Part No.	Description	No. Used
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
37	72-4320	Switch - Ball N.O.	1

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



T-1322

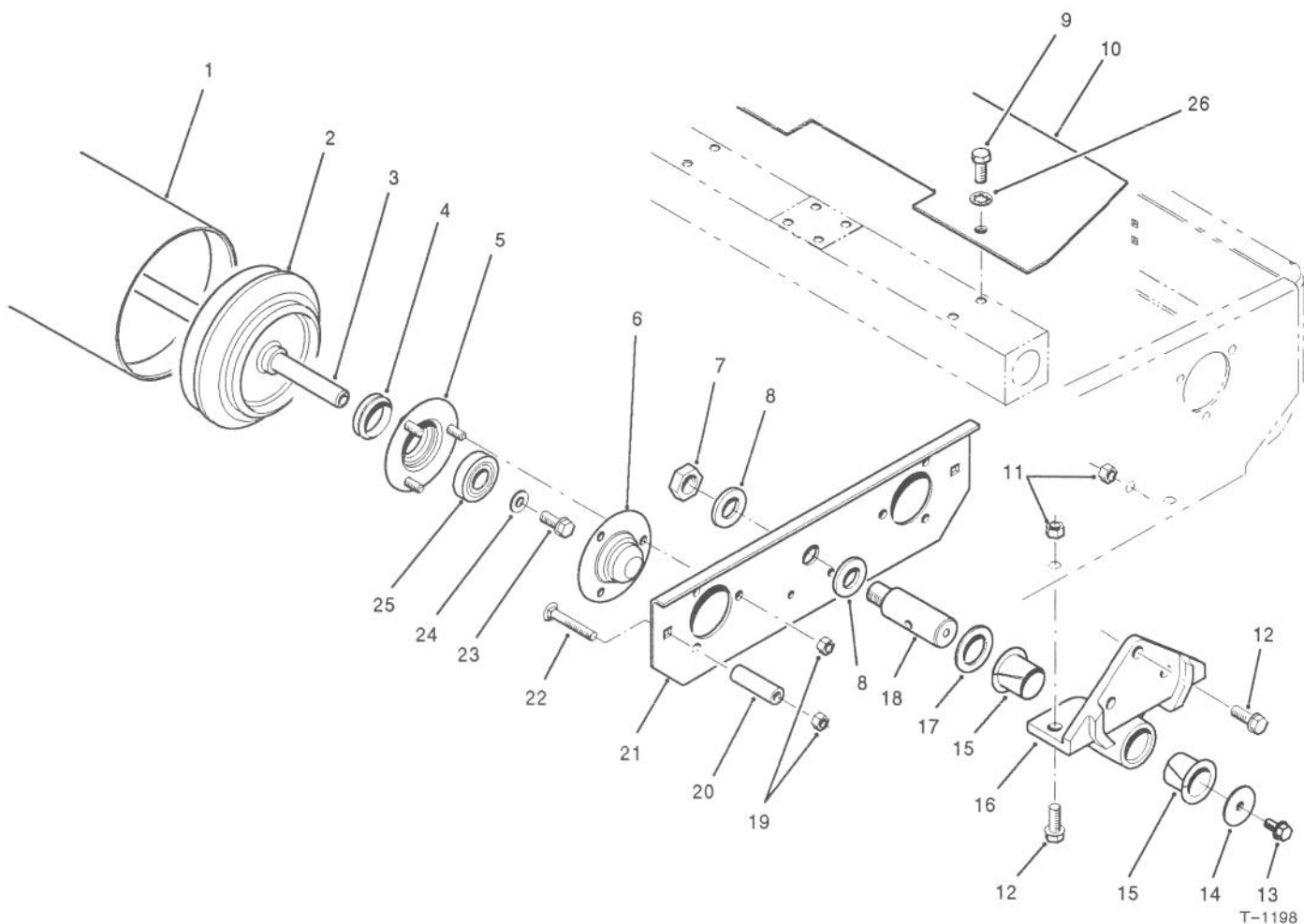
LIFT ACTUATOR ASSEMBLY NO. 14-5219

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

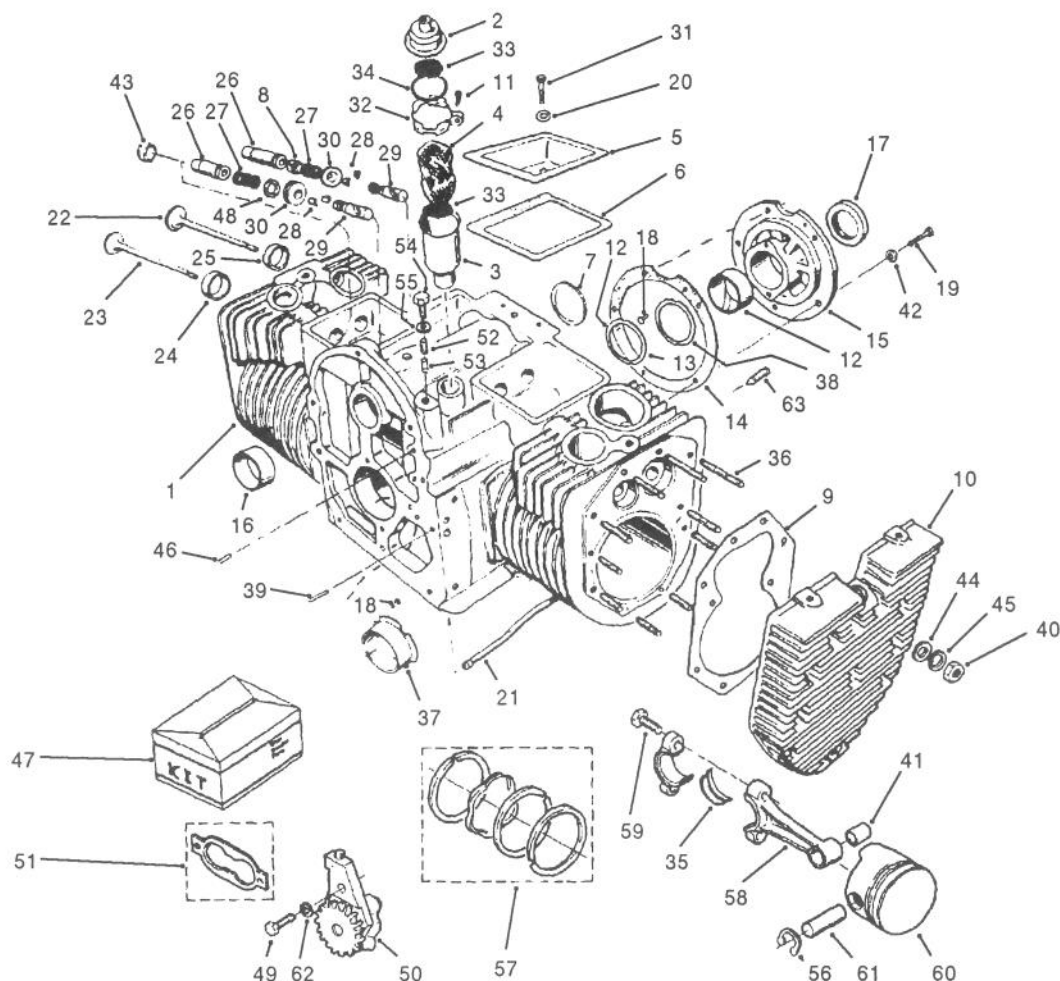
‡For different language versions of this part, see International Decal Cross Reference.



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

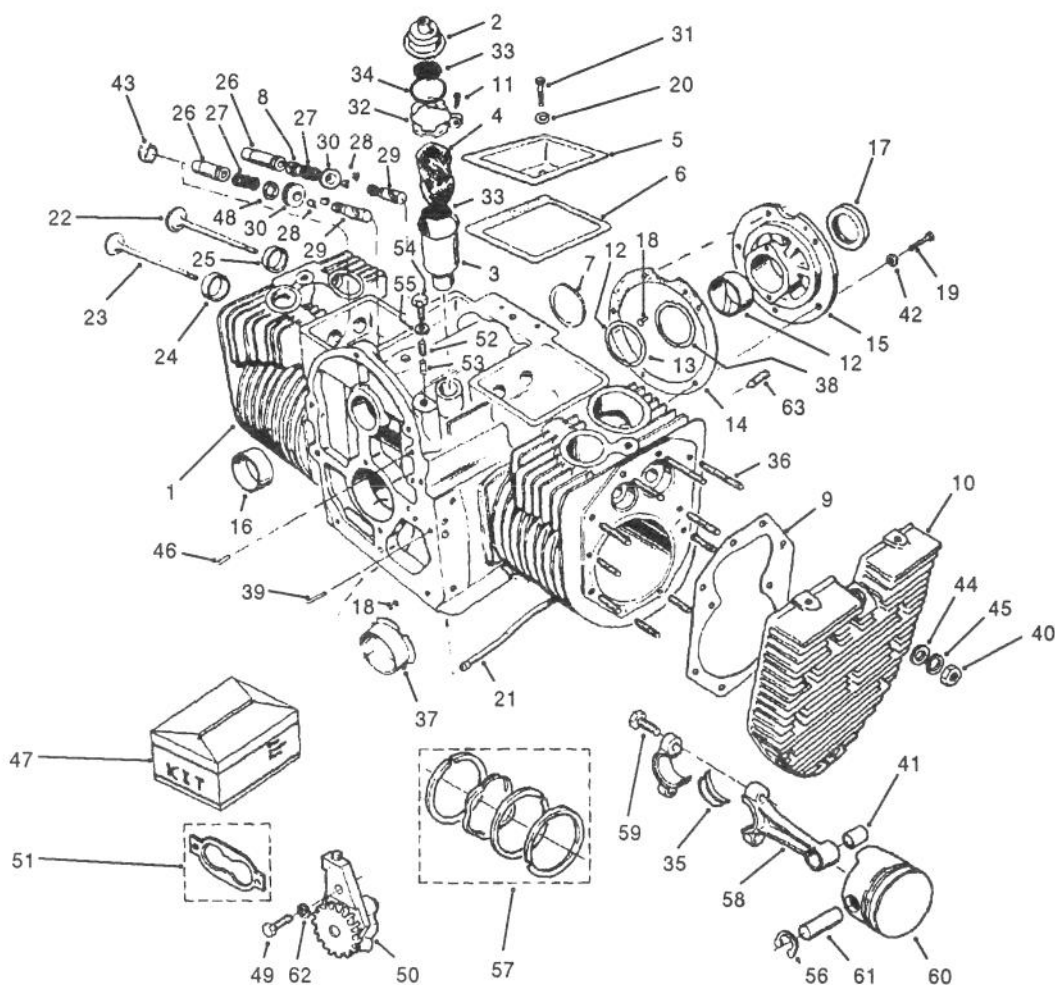
ENGINE CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82-1750	Short Block Assembly	1
2	82-0550	Breather Cap & Valve	1
†3	82-0540	Tube - Breather	1
4	57-8580	Baffle - Breather Tube	1
5	82-0280	Cover - Valve (Coil)	1
*	82-1710	Cover - Valve (Dipstick)	1
6	82-0260	Gasket - Valve Cover	2
†7	82-1180	Plug - Expansion	1
8	82-0270	Seal - Intake Valve	2
9	82-0130	Gasket - Cylinder Head	2
*	82-0960	Gasket Kit (Carbon Remove)	1
10	82-0210	Head - Cylinder	2
11	82-1480	Screw - Tapping	1
12	57-8050	Bearing - Crank (Std.)	1
*	59-0020	Bearing - Crank (.002" US)	1
*	57-8060	Bearing - Crank (.010" US)	1
*	59-0030	Bearing - Crank (.020" US)	1
*	59-0040	Bearing - Crank (.030" US)	1
†13	57-8160	Washer - Thrust	2
†14	57-8010	Gasket - Bearing Plate	1
†15	82-0020	Plate - Bearing Rear	1
†16	57-8000	Bearing - Camshaft	2
17	57-9590	Seal - Oil	1
†18	59-0730	Pin - Bearing Stop	4
19	71-6240	Screw - Hex. Flange Hd.	5
20	57-9740	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
†21	82-0480	Tube - Oil	1
22	82-0220	Valve - Intake	2
23	82-0230	Valve - Exhaust	2
†24	82-0080	Insert - Exhaust Valve (Std.)	2
*	82-0090	Insert - Exhaust Valve (.002" OS)	2
*	82-0100	Insert - Exhaust Valve (.005" OS)	2
*	82-0110	Insert - Exhaust Valve (.010" OS)	2
*	82-0120	Insert - Exhaust Valve (.025" OS)	2
†25	82-0160	Insert - Intake Valve (Std.)	2
*	82-0170	Insert - Intake Valve (.002" OS)	2
*	82-0180	Insert - Intake Valve (.005" OS)	2
*	82-0190	Insert - Intake Valve (.010" OS)	2
*	82-0200	Insert - Intake Valve (.025" OS)	2
†26	82-0140	Guide - Exhaust Valve	2
*	82-0150	Guide - Intake Valve	2
27	57-8250	Spring - Valve	4

*Not Illustrated

†Included in Short Block Assembly



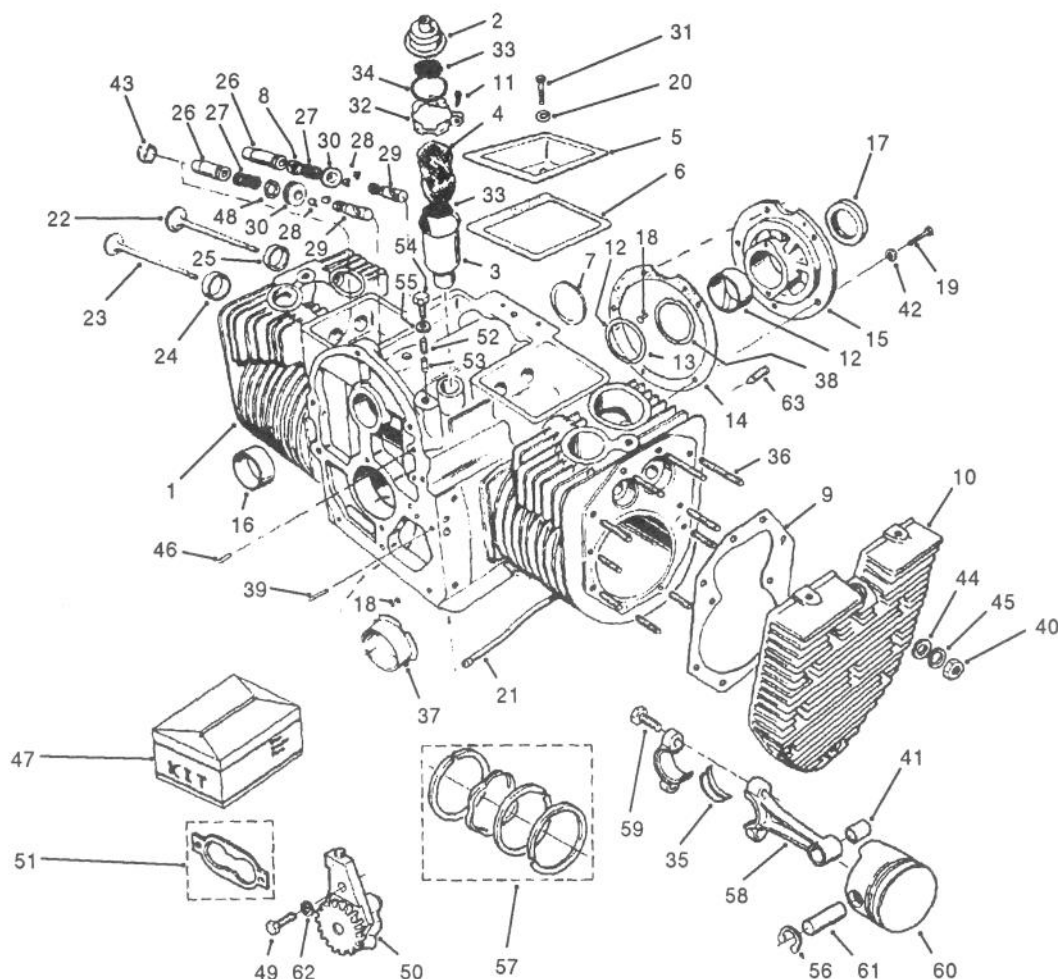
T-1258

ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
28	82-0250	Lock - Valve Spring	8	†37	57-8020	Bearing - Flanged (Std.)	1
29	57-8450	Tappet - Valve	4	*	57-9360	Bearing - Flanged (.002" US)	1
30	57-8270	Rotator - Valve	2	*	57-8030	Bearing - Flanged (.010" US)	1
31	321-11	Screw - Cap Hex. Hd.	2	*	57-9800	Bearing - Flanged (.020" US)	1
32	82-0530	Clamp - Breather Tube	1	*	59-0010	Bearing - Flanged (.030" US)	1
33	82-0560	Screen - Breather Tube	2	†38	57-8170	Shim - Crankshaft	A/R
34	82-0570	Seal - O-Ring	1	†39	59-0750	Pin - Alignment	2
35	82-0420	Bearing Half - Rod (Std.)	4	40	82-0040	Nut - Hex.	20
*	82-0430	Bearing Half - Rod (.002" US)	4	41	82-0410	Bushing - Piston Pin	2
*	82-0440	Bearing Half - Rod (.010" US)	4	42	82-1310	Washer - Flat	5
*	82-0450	Bearing Half - Rod (.020" US)	4	43	82-0240	Cap - Exhaust Valve	2
*	82-0460	Bearing Half - Rod (.030" US)	4	44	82-1300	Washer - Flat	20
†36	82-1250	Stud - Cylinder Head Btm.	8	45	82-1650	Washer - Lock	24
*	82-1230	Stud - Cylinder Head Top	4	46	59-0760	Plug - Hole	1
*	82-1240	Stud - Cylinder Head Mid.	8	47	82-0950	Gasket Kit (Engine)	1
				48	82-0070	Washer - Spring Retainer	2
				49	321-6	Screw - Cap Hex. Hd.	2
				50	57-8480	Oil Pump Assembly	1
				51	57-8460	Gasket Kit - Oil Pump	1
				52	57-8500	Spring - Bypass Valve	1
				53	57-8470	Plunger - Bypass Valve	1
				54	59-0910	Screw - Cap Hex. Hd.	1

*Not Illustrated

†Included in Short Block Assembly

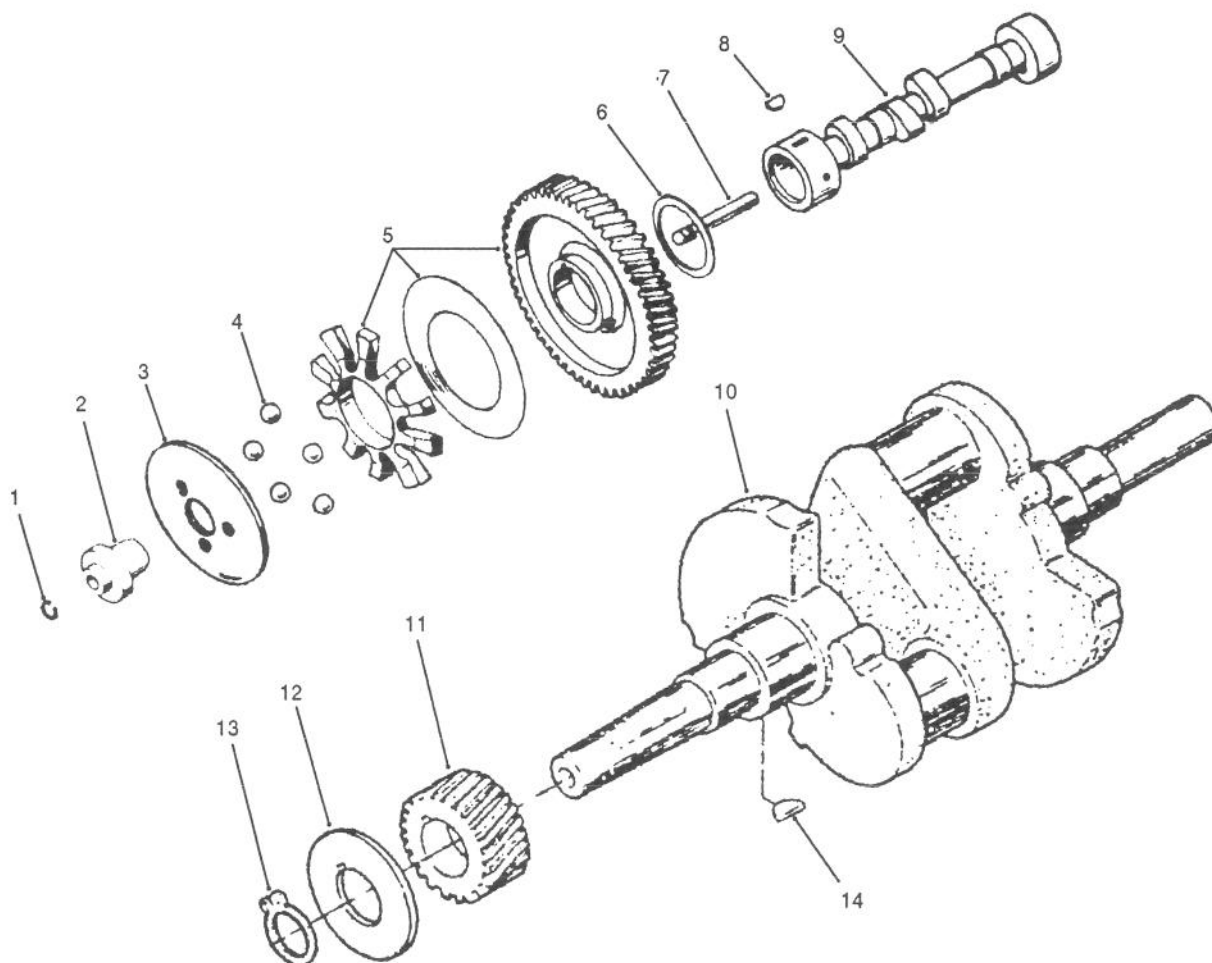


T-1258

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	*	82-0310	Piston Assy. (.005" OS) (Incl Ref. #56 & 61)	2
57	82-0360	Piston Ring Set (Std.)	1	*	82-0320	Piston Assy. (.010" OS) (Incl Ref. #56 & 61)	2
*	82-0370	Piston Ring Set (.005" OS)	1	*	82-0330	Piston Assy. (.020" OS) (Incl Ref. #56 & 61)	2
*	82-0380	Piston Ring Set (.010" OS)	1	*	82-0340	Piston Assy. (.030" OS) (Incl Ref. #56 & 61)	2
*	82-0390	Piston Ring Set (.020" OS)	1	61	82-0290	Pin - Piston	2
*	82-0400	Piston Ring Set (.030" OS)	1	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

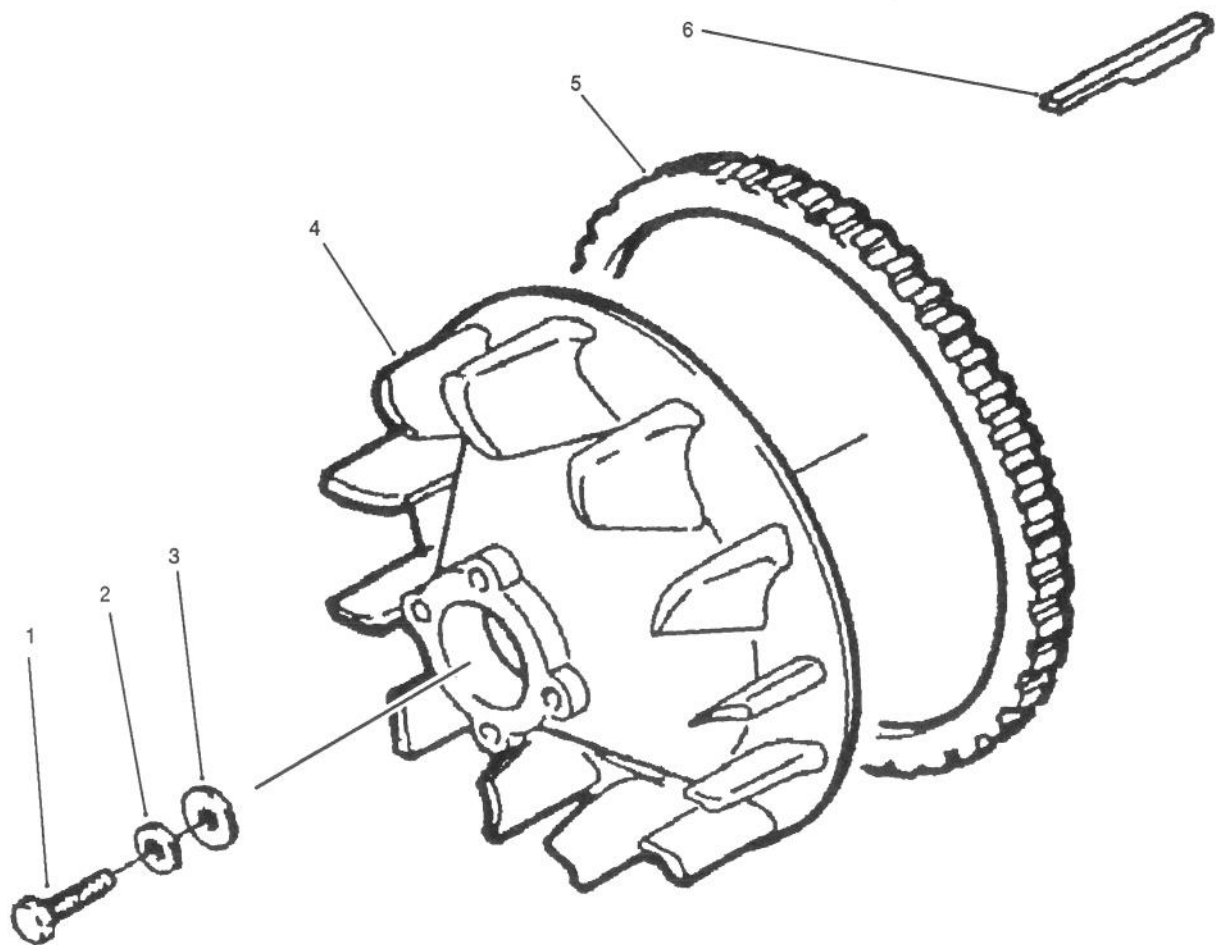


T-1259

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

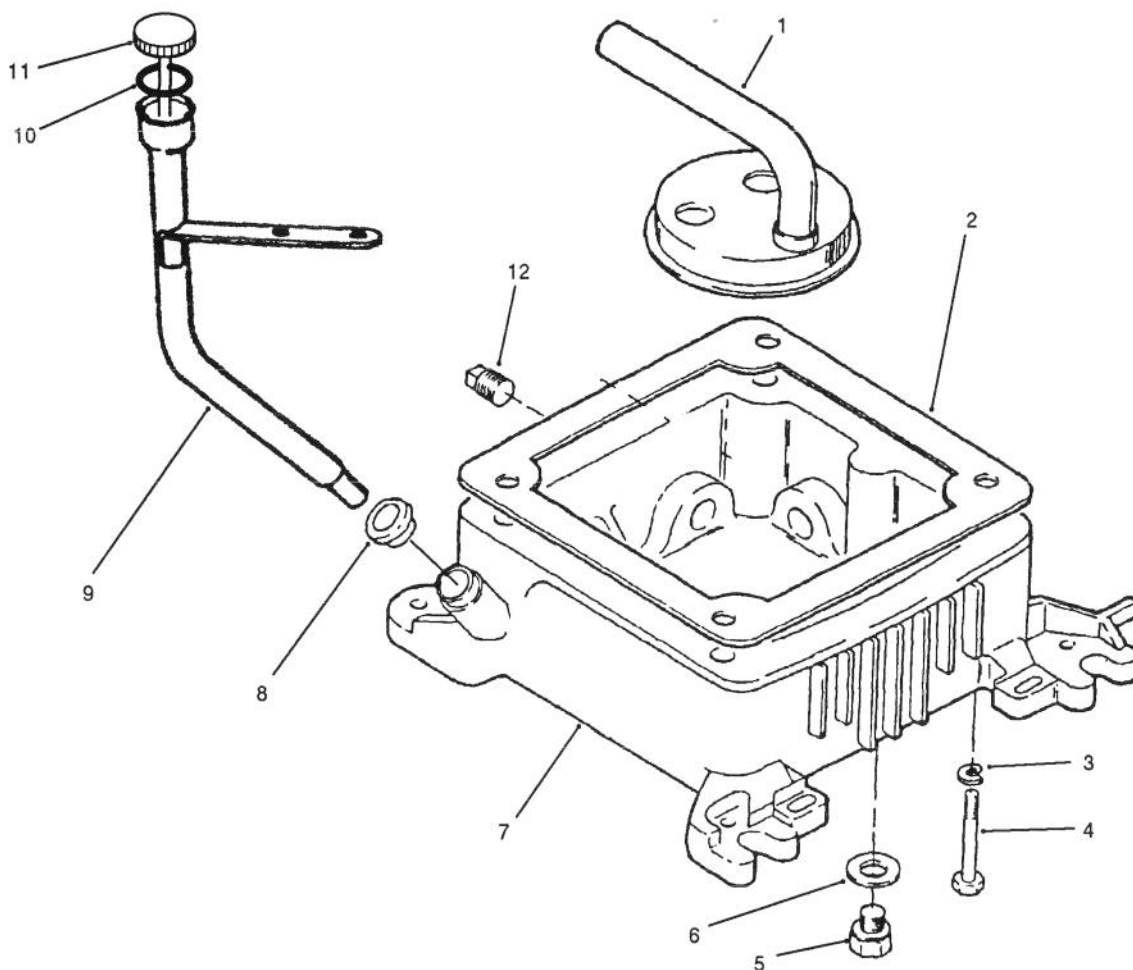
Ref. No.	Part No.	Description	No. Used
9	82-0880	Camshaft (Incl. Ref. #7)	1
10	82-0060	Crankshaft	1
11	57-8130	Gear - Crankshaft	1
12	57-8140	Washer - Gear Retaining	1
13	57-9710	Ring - Retaining	1
14	57-9660	Key - Crankshaft Gear	1



T-1260

ENGINE FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	57-8150	Screw - Cap Hex. Hd.	1	4	82-0610	Flywheel (Incl. Ref. #5)	1
2	82-1320	Washer - Flat	1	5	57-8180	Gear - Ring	1
3	59-0810	Washer - Flat	1	6	71-6190	Key - Flywheel	1

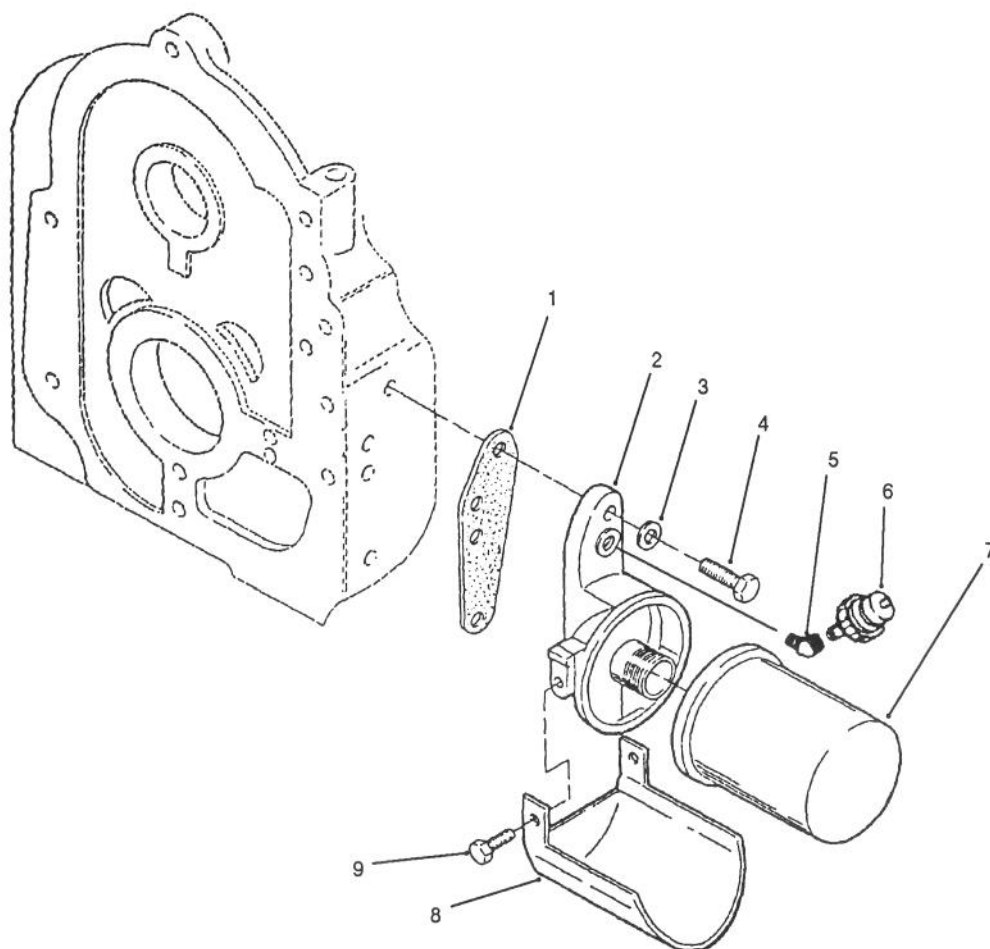


T-1261

ENGINE OIL BASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82-0490	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	82-0030	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	82-0580	Tube - Oil Fill	1
10	57-9610	Seal - O-Ring	1
11	82-0590	Dipstick Assembly (Incl. Ref. #10)	1
12	82-1130	Plug - Pipe	1

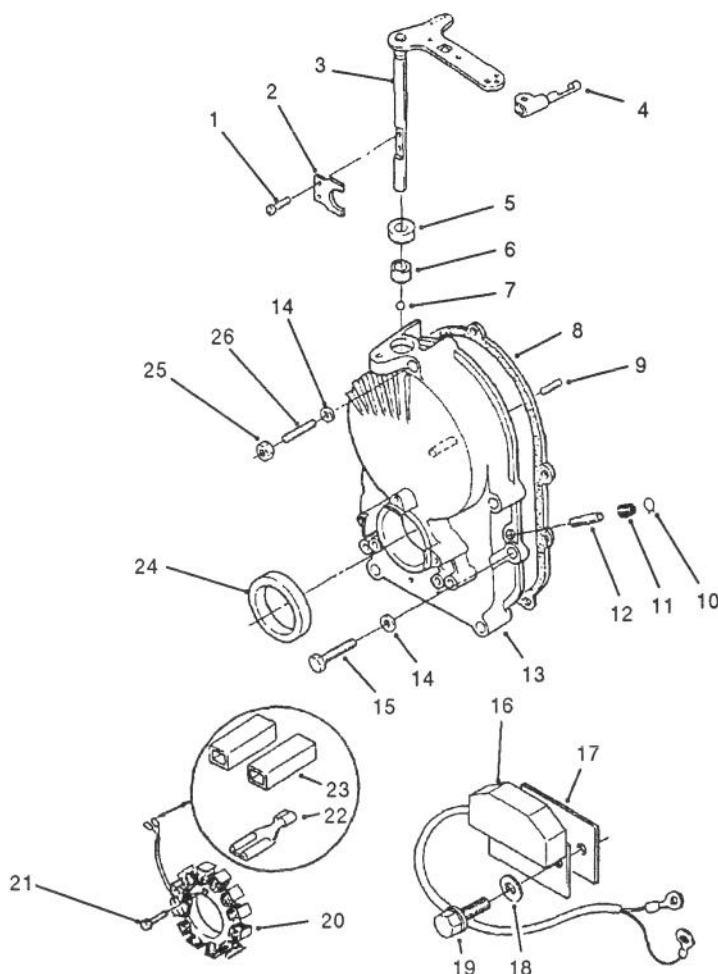


T-1262

ENGINE OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82-0520	Gasket - Oil Filter Adaptor	1
2	80-0500	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

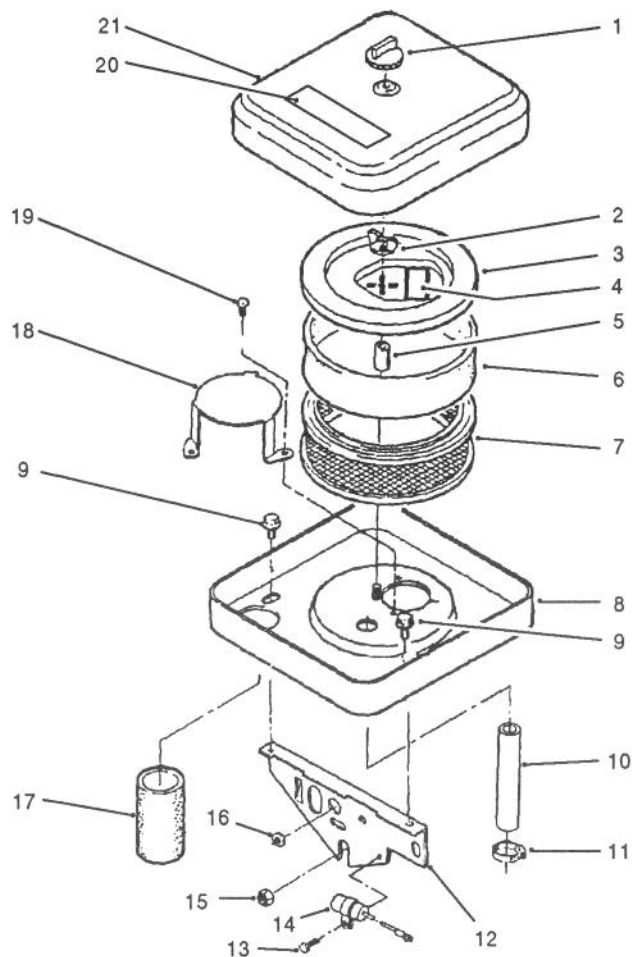


T-1263

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

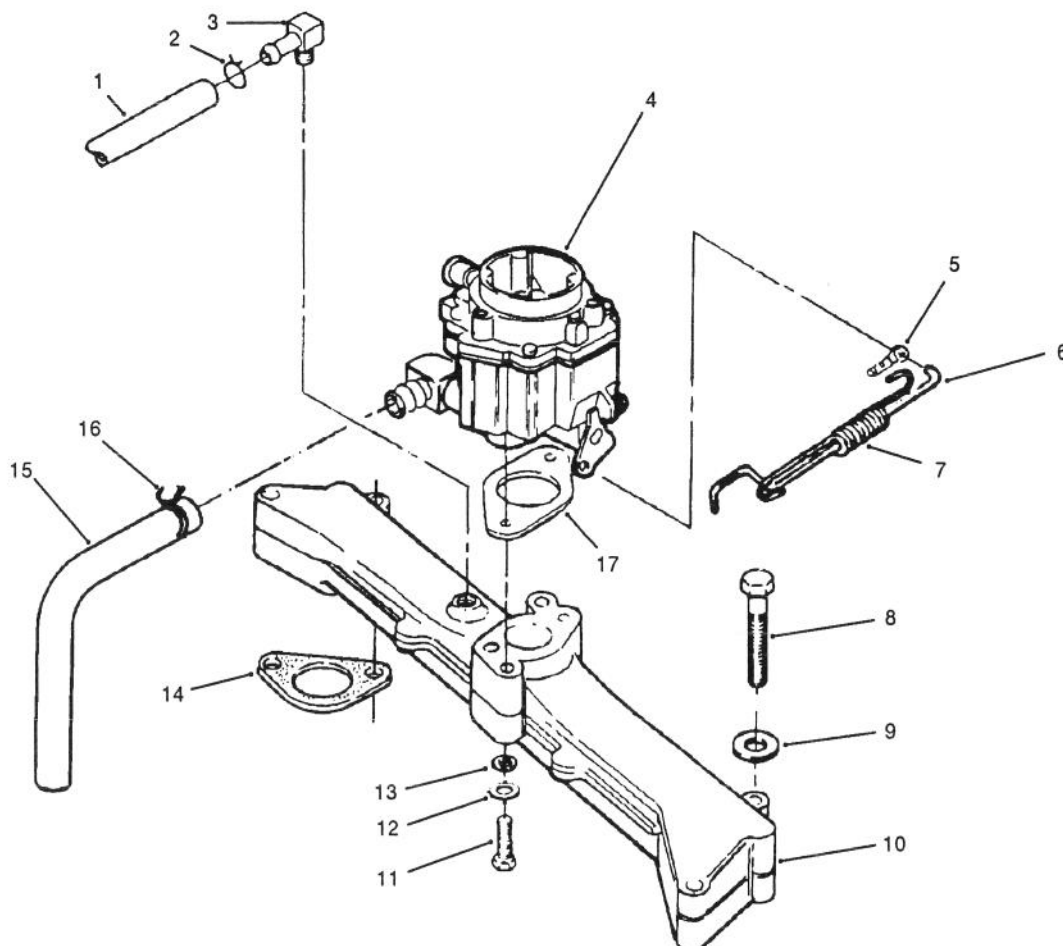
Ref. No.	Part No.	Description	No. Used
14	57-9750	Washer - Flat	5
15	322-9	Screw - Cap Hex. Hd.	4
16	71-6380	Control - Ignition	1
17	71-6410	Insulator - Ignition Module	1
18	82-1660	Washer - Lock	2
19	71-6400	Screw - Hex. Washer Hd.	2
20	57-9440	Stator - 20 Amp.	1
21	71-6390	Screw - Hex. Hd.	3
22	59-0590	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	12	82-0720	Support - Air Cleaner	1
2	82-1670	Nut - Wing	1	13	71-6450	Screw - Hex. Hd.	1
3	82-0650	Cover - Inner	1	14	59-1180	Condenser	1
4	82-0010	Decal - Air Cleaner Maint.	1	15	82-1690	Nut - Hex. Washer Hd.	1
5	82-0980	Spacer/Seal	1	16	71-6140	Grommet - Rubber	1
6	82-0670	Wrapper - Element	1	17	82-0700	Tube - Air Intake	1
7	82-0660	Element - Air Cleaner	1	18	82-0730	Plate - Air Deflector	1
8	82-0710	Housing - Air Cleaner	1	19	82-1770	Screw - Hex. Washer Hd.	3
9	82-1550	Screw - Tapping	2	20	82-1570	Decal - Performer	1
10	82-1120	Hose - Breather	1	21	82-0690	Cover - Air Cleaner	1
11	82-1090	Clamp - Hose	1				

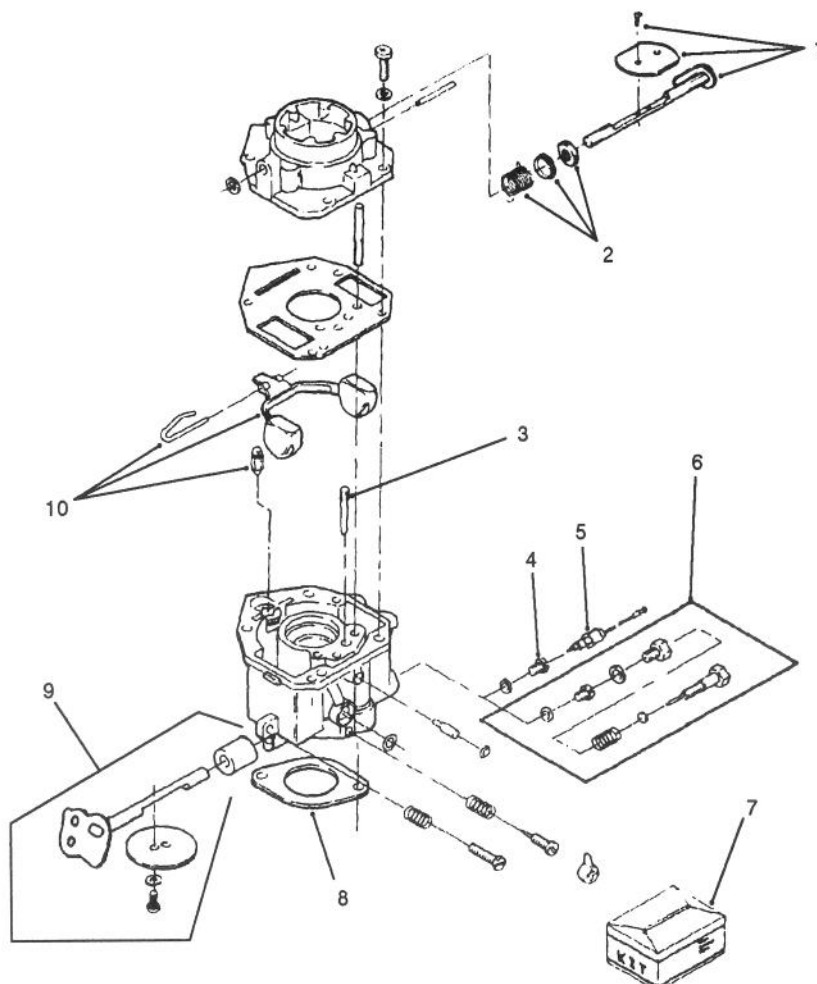


T-1265

ENGINE FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82-1120	Hose - Breather	1
2	82-1090	Clamp - Hose	1
3	82-1070	Fitting - 90° Elbow	1
4	82-0770	Carburetor Assembly (Incl. Ref. #17)	1
5	57-9700	Clip - Retaining	1
6	82-0840	Rod - Governor Control	1
7	82-1740	Spring - Governor Rod	1
8	323-14	Screw - Cap Hex. Hd.	4

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



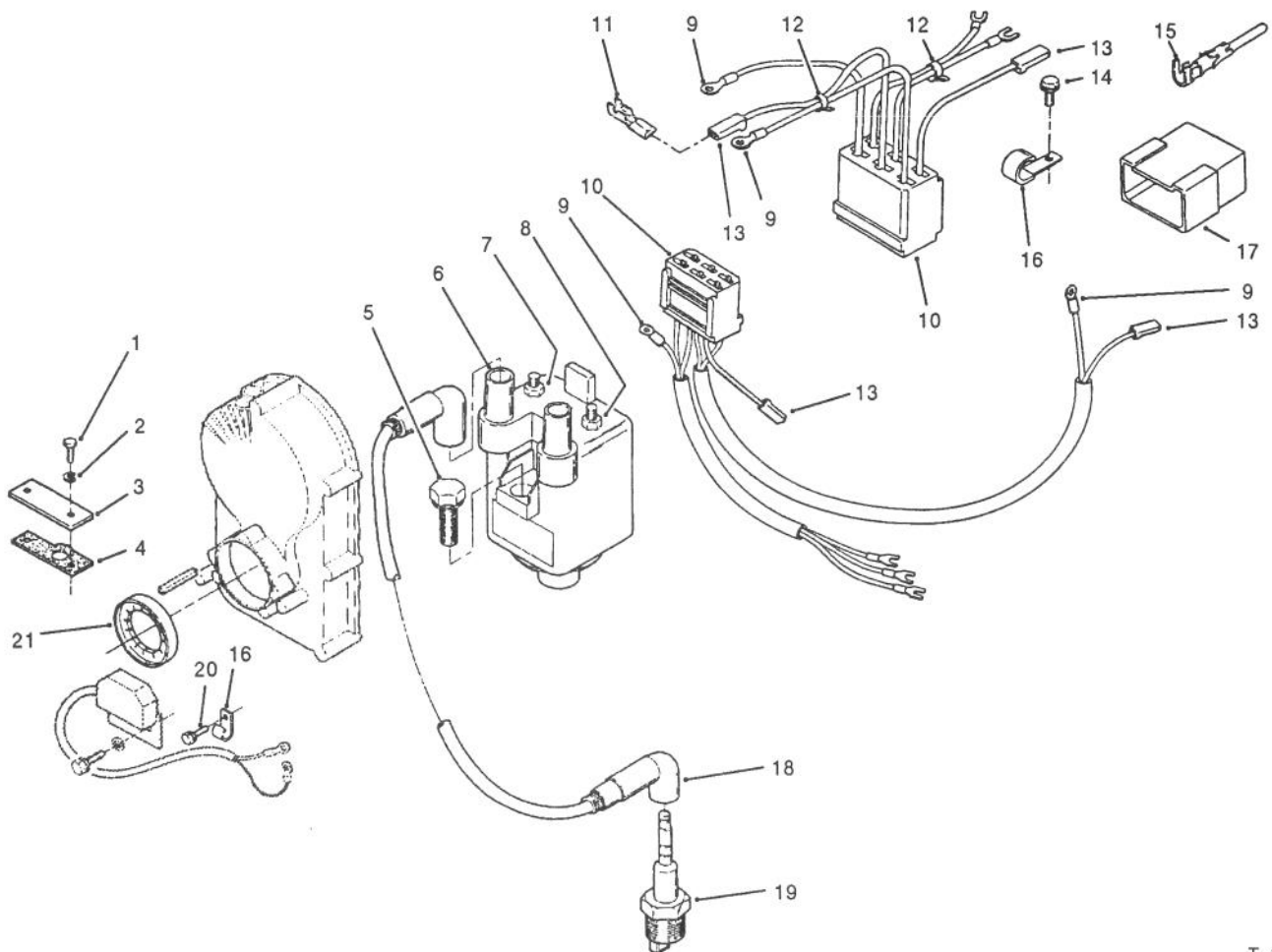
T-1266

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



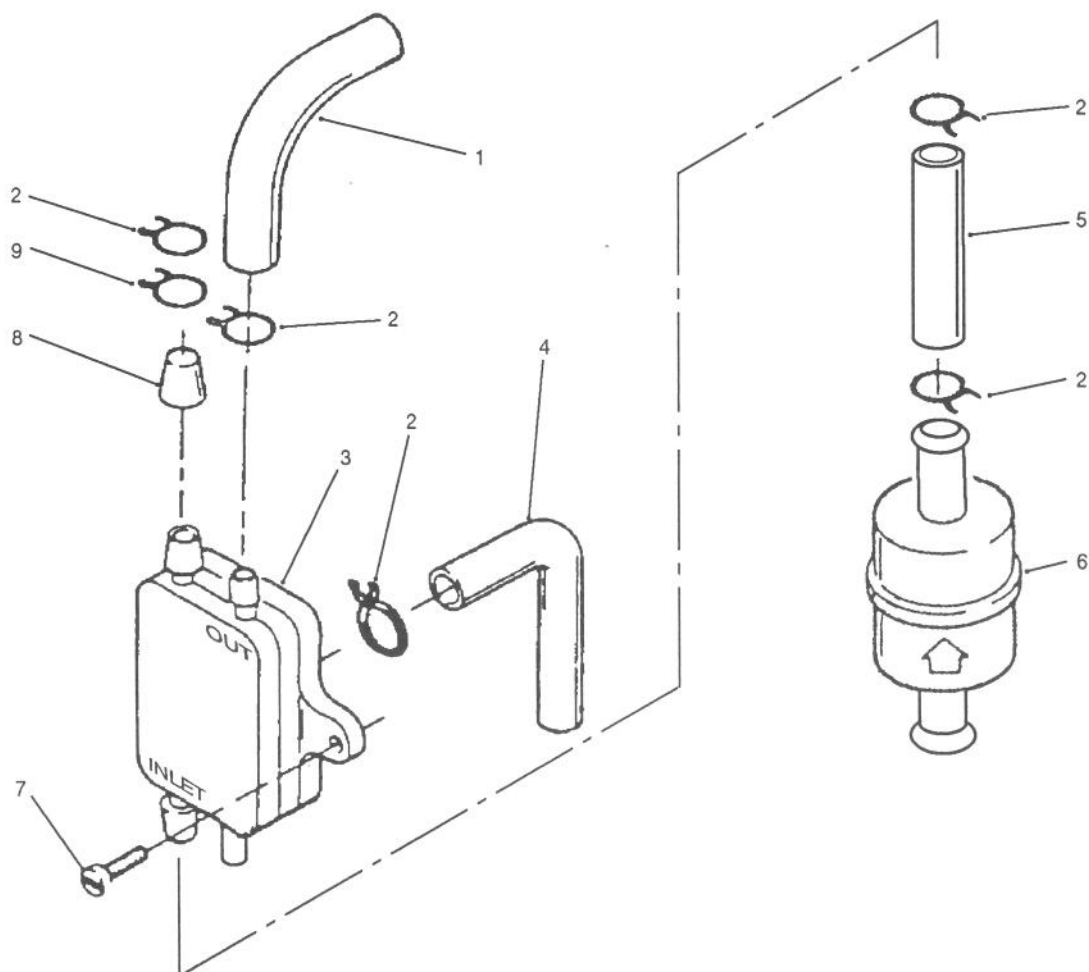
T-1267

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
9	72-3990	Terminal - Ring	4
10	82-1010	Housing - Receptacle	1
11	72-4000	Terminal - Receptacle	4
12	82-1020	Tie - Cable	2

Ref. No.	Part No.	Description	No. Used
13	72-4030	Housing - Connector	5
14	82-1540	Screw - Hex. Washer Hd.	1
15	72-4040	Terminal - 20 Amp.	6
16	71-6220	Clip - Wire	2
17	82-0990	Housing - Connector	1
18	71-6420	Cable - Spark Plug (9")	1
*	71-6020	Cable - Spark Plug (18.5")	1
19	57-9340	Plug - Spark	2
20	71-6450	Screw - Hex. Flange Hd.	1
21	71-6010	Rotor - Ignition	1
*	82-1050	Wire Harness Assembly (Incl. Ref. #9-15 & 17)	1

*Not Illustrated

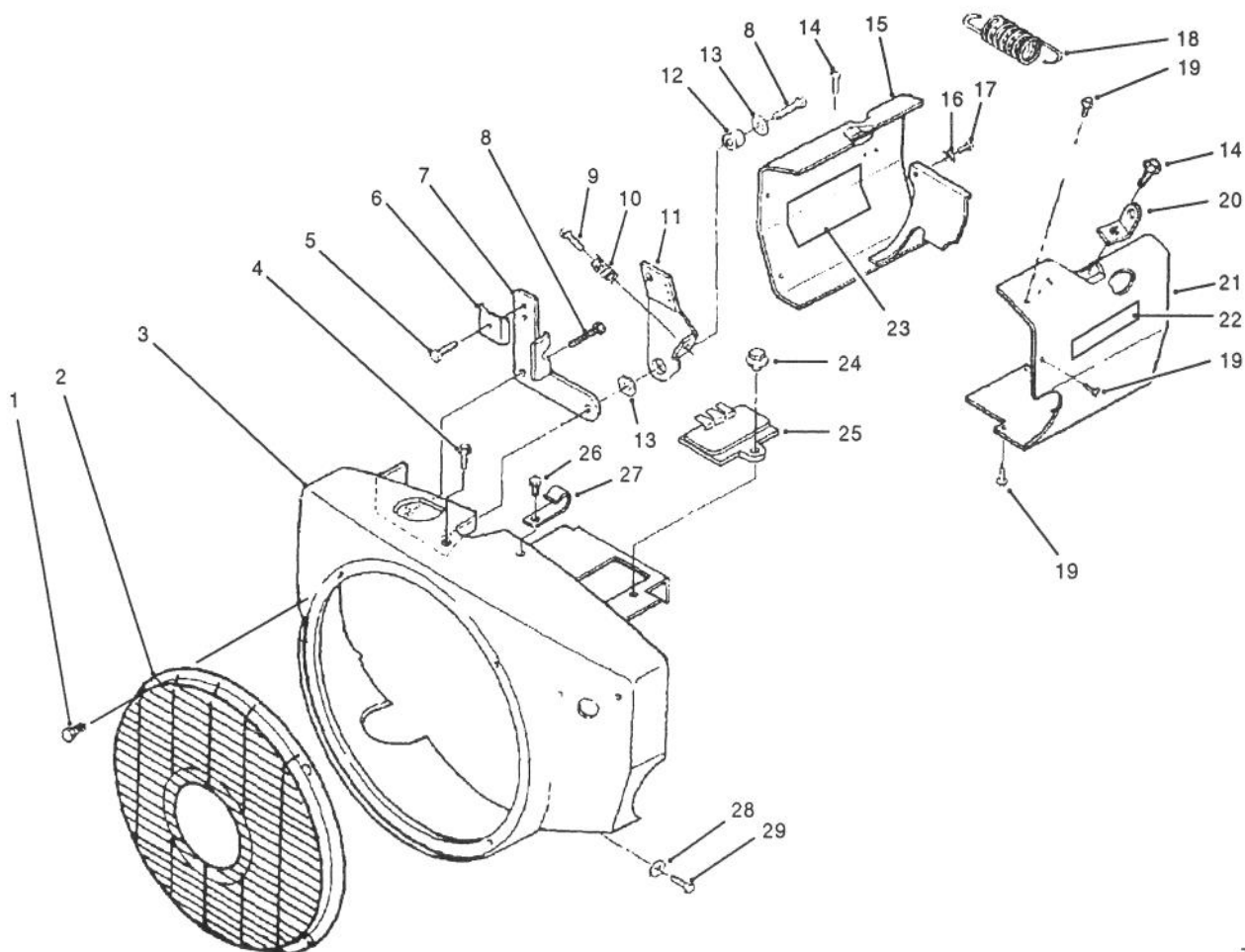


T-1268

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

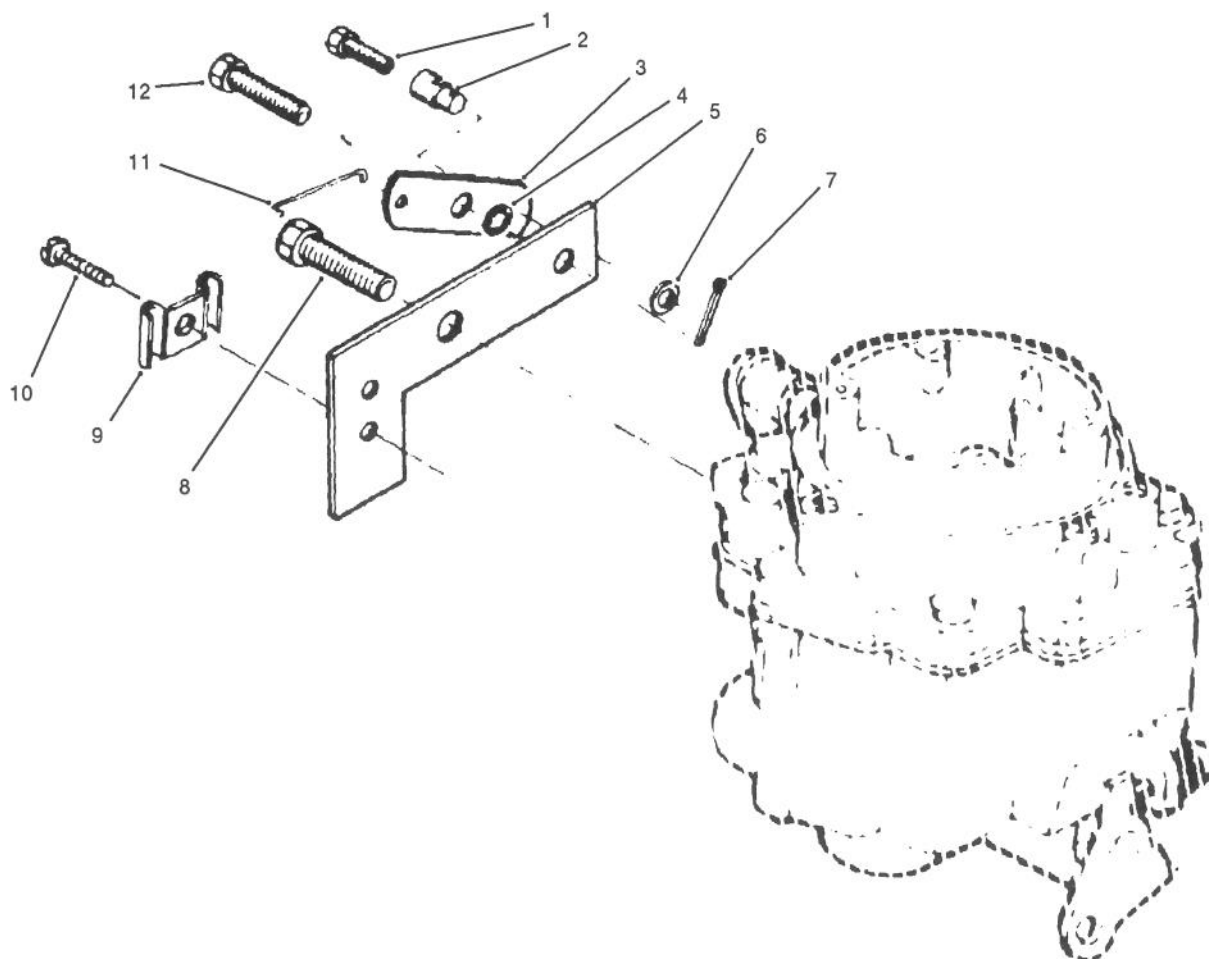


T-1269

ENGINE HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82-1590	Screw - Pan Hd.	4
2	82-0620	Guard - Stationary	1
3	82-0630	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	82-0600	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	82-0640	Housing - Cylinder RH	1
22	82-1570	Decal - Performer	2
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



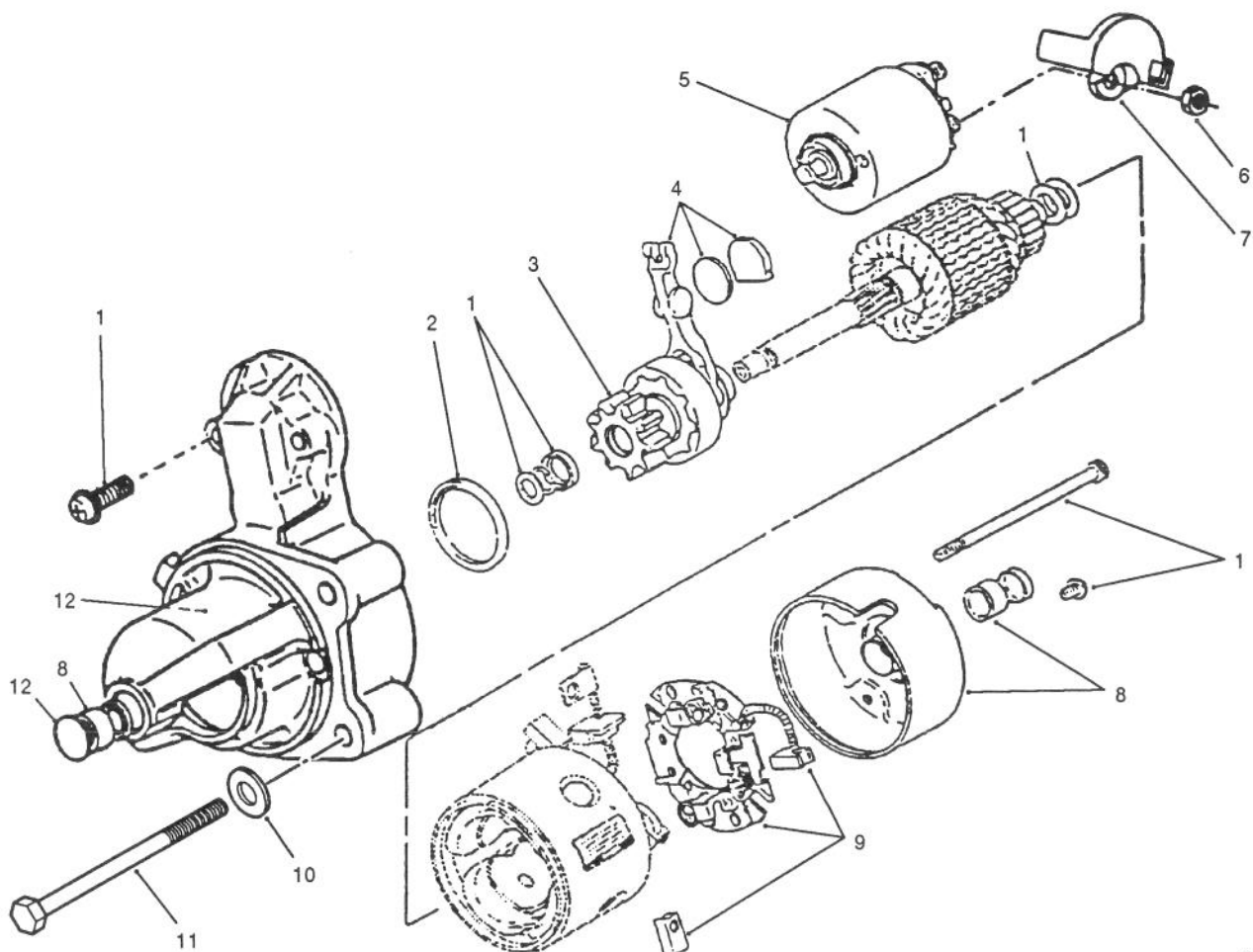
T-1270

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	Ref. No.	Part No.	Description	No. Used
1	62-2760	Starter Hardware Kit	1	8	62-2730	Starter Bushing Kit	1
2	72-3950	Dust Seal Kit	1	9	62-2740	Starter Brush Kit	1
3	72-3940	Starter Clutch Kit	1	10	57-9770	Washer - Mounting Screw	2
4	62-2770	Starter Shift Lever Kit	1	11	322-22	Screw - Mounting	2
5	72-3930	Starter Solenoid Kit	1	12	62-2750	Brush Mounting Kit	1
6	82-1730	Nut - Hex.	1	*	71-6040	Starter Assembly (Incl. Ref. #1-10)	1
7	82-1720	Cap - Solenoid	1				

*Not Illustrated

INTERNATIONAL DECAL CROSS REFERENCE

JAPANESE DECAL KIT NO. 83-6310

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 Frame	72-4080	83-6010
Decal Warning	Main Frame	80-8090	83-6050
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

SWEDISH DECAL KIT NO. 83-6320

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 Frame	72-4080	83-5410
Decal Warning	Main Frame	80-8090	83-5540
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 (Continued)

ITALIAN DECAL KIT NO. 83-6330

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 Frame	72-4080	83-5560
Decal Warning	Main Frame	80-8090	83-5620
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. 83-6340

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 Frame	72-4080	83-5710
Decal Warning	Main Frame	80-8090	83-5780
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 (Continued)

SPANISH DECAL KIT NO. 83-6350

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 Frame	72-4080	83-5860
Decal Warning	Main Frame	80-8090	83-5870
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

FRENCH DECAL KIT NO. 83-6360

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 Frame	72-4080	83-6160
Decal Warning	Main Frame	80-8090	83-6190
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

PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-6498	Washer - Thrust	17	12	1	57-9360	Bearing - Flanged	30	*	1
3-6781	Washer - Thrust	28	17	2	57-9440	Stator - 20 Amp.	36	20	1
7-0238	Key - Clutch	13	4	1	57-9490	Switch - Low Oil Pressure	35	6	1
10-6820	Hub & Drum Assembly	3	18	1	57-9500	Seal - Governor Shaft	36	5	1
10-6830	Stud - Drive	1	32	3	57-9550	Clamp - Cap	36	10	1
10-6830	Stud - Drive	3	25	4	57-9550	Clamp - Hose	41	9	1
10-6830	Stud - Drive	26	20	8	57-9580	Seal - Crankshaft	36	24	1
10-6870	Hub - Wheel	3	19	1	57-9590	Seal - Oil	29	17	1
10-8000	Bracket - Brake Plate	3	29	2	57-9610	Seal - O-Ring	34	10	1
11-9030	Screw - Shoulder	1	25	1	57-9630	Ball - Governor Shaft	36	7	1
14-5169	Shield - Drive	13	19	1	57-9640	Ball - Governor	32	4	5
14-5179	Arm - Steering	3	37	1	57-9650	Bearing - Governor Shaft	36	6	1
14-5189	Frame	8	4	1	57-9660	Key - Crankshaft Gear	32	14	1
14-5199	Cover - Control	1	6	1	57-9660	Key - Woodruff	32	8	1
14-5209	Mount - Pump	17	6	1	57-9700	Clip - Retaining	38	5	1
14-5219	Lift Actuator Assembly	26	11	1	57-9710	Ring - Retaining	32	13	1
14-5229	Guard - Muffler	12	11	1	57-9730	Clip - Retaining	36	4	1
14-5239	Guard - Muffler L.H.	12	19	1	57-9740	Washer - Flat	29	20	2
14-5249	Guard - Muffler R.H.	12	*	1	57-9750	Washer - Flat	35	3	2
14-5259	Valve Assembly	10	36	1	57-9750	Washer - Flat	36	14	5
14-5269	Body - Valve	25	8	1	57-9760	Washer - Flat	31	55	1
14-5289	Head - Pump	20	2	1	57-9770	Washer - Mounting Screw	44	10	2
14-5289	Head - Pump	22	11	1	57-9800	Bearing - Flanged	30	*	1
14-5299	Pump Crankcase Assembly	20	1	1	59-0010	Bearing - Flanged	30	*	1
14-5299	Water Pump Crankcase	21	*	1	59-0020	Bearing - Crank (.002" US)	29	*	1
26-3790	Nut - Spindle	3	22	1	59-0030	Bearing - Crank (.020" US)	29	*	1
27-2360	Switch - Ignition	10	41	1	59-0040	Bearing - Crank (.030" US)	29	*	1
28-3680	Tire	3	20	1	59-0360	Tube - Vacuum Port	36	12	1
28-3680	Tire	26	22	2	59-0370	Cap - Vacuum Port	36	11	1
29-6162	Switch - Micro	17	31	2	59-0370	Fitting - Cap	41	8	1
40-8200	Switch - Micro	2	34	1	59-0400	Pin - Center	32	7	1
42-3560	Bolt - Shoulder	11	28	2	59-0420	Yoke - Governor Shaft	36	2	1
42-3560	Bolt - Shoulder	20	12	1	59-0430	Spring - Idle Setting	42	10	1
44-8320	Spring - Compression	14	2	3	59-0440	Shaft/Arm - Governor	36	3	1
47-2961	Hose - Fuel	5	9	1	59-0450	Cup - Governor	32	3	1
47-2961	Hose - Fuel	12	30	1	59-0460	Lever - Choke	43	3	1
52-5980	Spacer	12	36	2	59-0470	Bracket - Choke Cable	43	5	1
54-0100	Head - Oil Filter	10	24	1	59-0590	Terminal - Stator Leads	36	22	3
57-8000	Bearing - Camshaft	29	16	2	59-0640	Fitting - 45° Elbow	35	5	1
57-8010	Gasket - Bearing Plate	29	14	1	59-0720	Pin - Cotter	43	7	1
57-8020	Bearing - Flanged (Std.)	30	37	1	59-0730	Pin - Bearing Stop	29	18	4
57-8030	Bearing - Flanged	30	*	1	59-0740	Pin - Dowel	36	9	1
57-8050	Bearing - Crank (Std.)	29	12	1	59-0750	Pin - Alignment	30	39	2
57-8060	Bearing - Crank (.010" US)	29	*	1	59-0760	Plug - Hole	30	46	1
57-8070	Gasket - Plug	34	6	1	59-0770	Breather Hole Plug	31	*	1
57-8130	Gear - Crankshaft	32	11	1	59-0790	Stud - Cover	36	26	1
57-8140	Washer - Gear Retaining	32	12	1	59-0810	Washer - Flat	33	3	1
57-8150	Screw - Cap Hex. Hd.	33	1	1	59-0820	Washer - Flat	42	28	4
57-8160	Washer - Thrust	29	13	2	59-0830	Washer - Flat	42	13	2
57-8170	Shim - Crankshaft	30	38 A/R		59-0830	Washer - Flat	42	16	2
57-8180	Gear - Ring	33	5	1	59-0850	Washer - Flat	43	6	2
57-8210	Camshaft Gear Assembly	32	5	1	59-0910	Screw - Cap Hex. Hd.	30	54	1
57-8230	Washer - Thrust	32	6	1	59-0950	Screw - Pan Hd.	36	1	2
57-8250	Spring - Valve	29	27	4	59-0980	Screw - Tapping	42	17	2
57-8270	Rotator - Valve	30	30	2	59-1010	Screw - Hex. Washer Hd.	42	8	2
57-8450	Tappet - Valve	30	29	4	59-1020	Screw - Shoulder	43	12	1
57-8460	Gasket Kit - Oil Pump	30	51	1	59-1030	Screw - Tapping	42	9	1
57-8470	Plunger - Bypass Valve	30	53	1	59-1050	Screw - Tapping Pan Hd.	41	7	2
57-8480	Oil Pump Assembly	30	50	1	59-1080	Screw - Hex. Flange Hd.	42	24	1
57-8500	Spring - Bypass Valve	30	52	1	59-1080	Screw - Hex. Washer Hd.	42	19	4
57-8530	Filter - Oil	35	7	1	59-1100	Screw - Hex. Washer Hd.	42	4	2
57-8580	Baffle - Breather Tube	29	4	1	59-1130	Nut - Hex.	36	25	1
57-9080	Pump - Fuel	41	3	1	59-1180	Condenser	37	14	1
57-9090	Ring - Retaining	32	1	1	61-1990	Washer - Steering	8	6	1
57-9100	Spring - Governor	42	18	1	62-2730	Starter Bushing Kit	44	8	1
57-9120	Bushing - Control Arm	42	12	1	62-2740	Starter Brush Kit	44	9	1
57-9130	Hub - Governor Cup	32	2	1	62-2750	Brush Mounting Kit	44	12	1
57-9140	Arm - Governor Control	42	11	1	62-2760	Starter Hardware Kit	44	1	1
57-9150	Bracket - Cable	42	7	1	62-2770	Starter Shift Lever Kit	44	4	1
57-9170	Swivel - Choke Lever	43	2	1	62-2800	Float Assembly	39	10	1
57-9180	Link - Choke	43	11	1	63-8360	Key - Ignition	10	9	1
57-9190	Clamp - Cable	42	6	1	63-8410	Washer	5	35	4
57-9190	Clip - Choke Cable	43	9	1	65-4500	Seal - Snap Ring	4	14	1
57-9260	Gasket - Plate	40	4	1	65-4550	Valve - Check Ball	4	6	2
57-9340	Plug - Spark	40	19	2					

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
65-4560	Plug - Hex. Hollow	4 3 1	74-0510	Valve - Fuel Shut-Off	5 7 1
65-4570	Seal - Square Ring	4 4 2	74-0720	Tube - Manual	2 49 1
65-4600	Washer - Thrust	4 19 2	76-2350	Seal & Retainer Assembly	4 * 1
65-4610	Bearing - Thrust	4 20 1	76-2360	Body Seal Kit	4 * 1
65-4620	Seal - O-Ring	4 12 1	76-8640	Stud	17 15 1
65-4640	Key - Square	3 7 1	80-0500	Adaptor - Oil Filter	35 2 1
65-4640	Key - Square	4 11 1	80-5080	Support - Manifold	23 27 1
65-8970	Knob	1 20 1	80-5120	Arm - Lift	26 33 2
65-8970	Knob	11 3 1	80-5140	Lever - Lift	26 12 1
66-2490	Clamp - Battery	12 2 1	80-5200	End Cap - Roller	28 2 4
66-2910	Bumper - Rubber	12 23 1	80-5240	Housing - Gear Box	15 3 1
66-2950	Hourmeter	10 11 1	80-5260	Cover - Gear Box	15 5 1
66-4160	Spring - Extension	11 29 1	80-5280	Gear	15 22 1
66-5293	Motor - Hydraulic	3 6 1	80-5300	Housing - Gear/Cam Brng.	15 19 1
67-7050	Field Rotor Assembly	14 1 1	80-5320	Housing - Pinion Bearing	15 17 1
67-7100	Plate - Brake	14 3 1	80-5330	Sleeve - Follower	15 2 1
67-7130	Diode	9 1 1	80-5380	Manifold	23 28 1
67-7310	Decal - TORO	8 21 1	80-5400	Engine	12 40 1
67-8110	Element - Oil Filter	10 27 1	80-5430	Clutch - Water Pump	13 2 1
69-1170	Glass - Sight	15 28 1	80-5450	Hydraulic Pump Assembly	17 48 1
70-1480	Relay	10 29 5	80-5460	Body & Bearing Assembly	4 9 1
70-8170	Ring - Snap	4 21 1	80-5470	Cover & Bearing Assembly	4 2 1
70-8631	Cap - Fuel	5 5 1	80-5480	Screw - Cap Hex. Hd.	4 1 8
70-9840	Shoe - Brake	3 17 2	80-5490	IGR Assembly	4 5 1
70-9850	Clip - Retaining	3 8 1	80-5500	Shaft	4 10 1
70-9860	Pivot - Brake	3 26 1	80-5520	Cover Tube Assembly	27 11 1
70-9870	Plate - Brake	3 13 1	80-5530	Clutch Assembly	27 4 1
70-9880	Spring - Brake	3 16 2	80-5540	Motor Assembly	27 10 1
71-0820	Mount - Motor	3 36 1	80-5550	Seal Kit	27 * 1
71-1500	Brake Assembly	3 * 1	80-5560	Flange Bearing Assembly	26 34 2
71-4170	Switch - Toggle	2 52 1	80-5570	Retainer - Valve Spring	25 15 1
71-5960	Filter - Fuel	12 28 1	80-5580	Follower - Cam	23 18 1
71-5960	Filter - Fuel	41 6 1	80-5590	Pilot - Gear Box	25 18 1
71-5990	Plate - Ignition Plunger	40 3 1	80-5600	Spool - Valve	25 1 1
71-6000	Coil - Ignition	40 6 1	80-5610	Seat - Valve	25 2 1
71-6010	Rotor - Ignition	40 21 1	80-5630	Valve - Check	22 9 6
71-6020	Cable - Spark Plug (18.5")	40 * 1	80-5640	Gauge - Pressure	10 5 1
71-6030	Regulator - Voltage	42 25 1	80-5650	Muffler	12 7 1
71-6040	Starter Assembly	44 * 1	80-5680	Hood	8 17 1
71-6080	Bracket - Lifting	42 20 2	80-5700	Tank - Fuel	5 4 1
71-6100	Hose - Fuel (Cut to 5")	41 5 1	80-5710	Shaft - Lift	26 19 1
71-6100	Line - Pulse (Cut to 7")	41 4 1	80-5720	Retainer - Seal	22 2 3
71-6140	Grommet - Rubber	37 16 1	80-5730	Ring - Head Back-Up	22 6 3
71-6170	Seal - Oil Fill Tube	34 8 1	80-5730	Ring - Head Back-Up	25 30 1
71-6190	Key - Flywheel	33 6 1	80-5740	Seal - Packing	25 29 1
71-6220	Clip - Wire	40 16 2	80-5740	Seal - Packing Vee	22 5 3
71-6220	Clip - Wire	42 27 1	80-5750	Support - Seal/Plunger	22 4 3
71-6240	Screw - Hex. Flange Hd.	29 19 5	80-5751	Support - Seal/Plunger	25 28 1
71-6350	Gear Case Assembly	36 13 1	80-5760	Seal - U-Cup	22 3 3
71-6380	Control - Ignition	36 16 1	80-5760	Seal - U-Cup	25 26 1
71-6390	Screw - Hex. Hd.	36 21 3	80-5770	Spring - Compression	25 16 1
71-6400	Screw - Hex. Washer Hd.	36 19 2	80-5780	Seal - O-Ring	23 40 1
71-6410	Insulator - Ignition Module	36 17 1	80-5780	Seal - O-Ring	25 3 1
71-6420	Cable - Spark Plug (9")	40 18 1	80-5781	Seal - Check Valve	22 10 6
71-6430	Hut - Hex. Flange	40 8 1	80-5782	Seal - O-Ring	22 20 1
71-6440	Nut - Hex. Flange	40 7 1	80-5782	Seal - O-Ring	25 38 1
71-6450	Screw - Hex. Flange Hd.	40 20 1	80-5784	Seal - O-Ring	23 15 2
71-6450	Screw - Hex. Hd.	37 13 1	80-5784	Seal - O-Ring	24 10 1
71-6460	Screw - Hex. Flange Hd.	40 5 2	80-5786	Seal - O-Ring	23 38 11
72-3860	Kit - Choke Shaft	39 1 1	80-5791	Seal - O-Ring	22 8 6
72-3870	Kit - Choke Lever	39 2 1	80-5791	Seal - O-Ring	23 29 2
72-3880	Screw - Hex. Washer Hd.	43 8 1	80-5793	Seal - O-Ring	23 44 2
72-3890	Screw - Hex. Hd.	43 1 1	80-5794	Seal - O-Ring	22 12 1
72-3900	Screw - Hex. Washer Hd.	43 10 1	80-5794	Seal - O-Ring	25 9 1
72-3900	Screw - Tapping	42 5 1	80-5800	Connecting Rod Assembly	21 10 3
72-3930	Starter Solenoid Kit	44 5 1	80-5810	Washer - Lock	21 22 6
72-3940	Starter Clutch Kit	44 3 1	80-5820	Screw - Socket Hd.	21 21 6
72-3950	Dust Seal Kit	44 2 1	80-5830	Gasket	21 18 1
72-3990	Terminal - Ring	40 9 4	80-5840	Plug - Drain	21 17 1
72-4000	Terminal - Receptacle	40 11 4	80-5850	Gasket	21 6 2
72-4030	Housing - Connector	40 13 5	80-5860	Glass - Sight	21 16 1
72-4040	Terminal - 20 Amp.	40 15 6	80-5870	Screw - Socket Hd.	21 15 6
72-4080	Decal - Danger (English)	3 38 1	80-5880	Cover - Crankcase	21 19 1
72-4310	Switch - Ball N.C.	26 36 1	80-5890	Gasket - Crankcase Cover	21 20 1
72-4320	Switch - Ball N.O.	26 37 1	80-5900	Seal - Crankshaft	21 14 2

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
80-5910	Bearing - Roller	21 13 2	80-7110	Handle - Traction Control	1 16 1
80-5920	Key - Collar	20 20 1	80-7150	Spring - Compression	2 43 2
80-5920	Key - Crankshaft	21 12 1	80-7160	Arm - Traction	2 51 1
80-5930	Crankshaft	21 11 1	80-7190	Shaft - Pivot	1 14 1
80-5940	Rod - Plunger	21 9 3	80-7200	Spacer - Brake	1 18 1
80-5950	Protector - Shaft	21 8 1	80-7210	Cover - Lower	2 50 1
80-5960	Housing - Bearing (Thru)	21 1 1	80-7220	Stroke Control Cable Assy.	2 38 1
80-5970	Seal - O-Ring	21 31 2	80-7220	Stroke Control Cable Assy.	17 45 1
80-5990	Dipstick - Oil	21 5 1	80-7230	Hub - Override	2 44 1
80-6000	Guide - Plunger	21 3 3	80-7270	Choke Control Assembly	10 1 1
80-6010	Plunger Seal Kit	21 34 1	80-7310	Breaker - Circuit	10 31 1
80-6020	Washer	21 32 8	80-7320	Fitting - Adapter	17 40 1
80-6030	Screw - Cap Hex. Hd.	21 33 8	80-7330	Hose - Hydraulic	8 16 2
80-6040	Shim - Bearing Housing	21 2 2	80-7330	Hose - Hydraulic	17 24 2
80-6050	Sleeve Kit	25 * 1	80-7340	Hose - Water	7 9 6
80-6050	Sleeve Kit (20mm)	21 * 3	80-7341	Hose - Water	7 10 2
80-6060	Ring - Retaining	21 24 6	80-7342	Hose - Water	7 7 1
80-6070	Pin - Connecting Rod	21 23 3	80-7344	Hose - Water	7 2 1
80-6090	Key - Pump	18 49 1	80-7350	Hose - Hydraulic	10 28 1
80-6110	Charge Relief Valve Kit	19 * 1	80-7350	Hose - Hydraulic	17 28 1
80-6120	Check Valve Kit	19 1 1	80-7360	Hose	15 35 1
80-6130	Overhaul Seal Kit	19 * 1	80-7360	Hose - Hydraulic	17 39 1
80-6140	Key - Clutch	13 1 1	80-7370	Hose - Hydraulic	3 33 2
80-6510	Hose - Water	7 6 1	80-7370	Hose - Hydraulic	8 1 2
80-6511	Hose - Water	7 5 1	80-7400	Lever - Brake	3 12 1
80-6512	Hose - Water	7 1 1	80-7430	Bracket - Idler	20 5 1
80-6513	Hose - Water	7 13 1	80-7460	Support - Pump	18 55 1
80-6520	Hose - Water	7 14 1	80-7540	Stop - Speed	11 9 1
80-6521	Hose - Gage	22 17 1	80-7580	Rod - Speed Adjustment	11 14 2
80-6521	Hose - Gage	25 34 1	80-7590	Spacer	11 16 1
80-6540	Tube - Limit	26 2 1	80-7600	Pin - Pivot	11 22 1
80-6580	Hub Assembly	26 21 2	80-7630	Neutral Lever Assembly	17 18 1
80-6590	Clamp - Relief Valve	23 4 1	80-7660	Seal - Button	10 6 1
80-6600	Bracket - Spring	20 13 1	80-7670	Plate - Speed Control	11 5 1
80-6610	Spring - Extension	17 17 1	80-7680	Support - Muffler	12 16 2
80-6620	Spring - Extension	20 10 1	80-7700	Bracket - Support	12 24 1
80-6630	Tube - Hydraulic	8 14 1	80-7710	Sleeve - Idler Bracket	20 9 1
80-6640	Tube - Hydraulic	8 13 1	80-7730	Spacer	11 19 3
80-6650	Pulley - Water Pump	20 17 1	80-7770	Tab - Switch	17 9 1
80-6660	Collar - Taper Lock	20 19 1	80-7780	Keeper - Latch	8 24 2
80-6670	Nozzle (#53) (Std.)	23 34 11	80-7790	Bracket - Alarm	1 11 1
80-6673	Nozzle (#46) (Opt.)	23 * 6	80-7800	Lever - Pump	17 30 1
80-6675	Nozzle (#56) (Opt.)	23 * 6	80-7830	Arm - Pivot	11 23 1
80-6680	Washer	23 33 11	80-7870	Spring - Extension	26 5 2
80-6700	Electric Clutch Assembly	13 9 1	80-7880	Bolt - U	10 37 2
80-6710	Armature & Hub Assembly	14 5 1	80-7890	Spring - Compression	11 7 1
80-6720	Belt - V	17 1 1	80-7900	Panel - Control	10 12 1
80-6730	Belt - V	20 18 2	80-7960	Bracket - Return	26 9 1
80-6740	Hose - Water	5 3 1	80-7970	Tube - Return	26 8 1
80-6750	Lever - Brake	1 21 1	80-8000	Decal - Warning (English)	13 20 1
80-6790	Battery	12 1 1	80-8010	Decal - Warning (English)	26 10 1
80-6800	Handle	1 30 1	80-8010	Decal - Warning (English)	27 12 1
80-6900	Bracket - Switch	1 33 1	80-8020	Decal - Instruction	2 56 1
80-6920	Bracket - Clutch Retainer	13 39 2	80-8030	Decal - Danger (English)	23 12 2
80-6930	Adapter - Clutch	13 10 1	80-8030	Decal - Danger (English)	24 5 2
80-6950	Shaft - Coupler	13 15 1	80-8040	Decal - Warning (English)	13 22 1
80-6980	Latch Assembly	8 34 2	80-8050	Decal - Hydroject 3000	8 36 2
80-6990	Washer - Thrust	28 24 4	80-8070	Decal - Parking Brake	2 58 1
80-7000	Arm - Pivot	11 11 1	80-8090	Decal - Warning (English)	8 32 3
80-7020	Fitting - Breather	15 6 1	80-8110	Panel - Engine Control	11 2 1
80-7030	Shim - Pinion Bearing	15 16 1	80-8150	Panel - Control (English)	11 31 1
80-7031	Shim - Pinion Bearing	15 * 1	80-8170	Pulley - Hydraulic Pump	17 4 1
80-7032	Shim - Pinion Bearing	15 * 1	80-8180	Hub - Adapter	13 28 1
80-7033	Shim - Pinion Bearing	15 * 1	80-8210	Feeder - Manifold	23 39 1
80-7040	Shim - Gear/Cam Bearing	15 20 1	80-8220	Cap - Check Valve	22 7 6
80-7041	Shim - Gear/Cam Bearing	15 * 1	80-8220	Plug	23 30 2
80-7042	Shim - Gear/Cam Bearing	15 * 1	80-8230	Plug	23 43 1
80-7043	Shim - Gear/Cam Bearing	15 * 1	80-8260	Stud - Head	20 23 8
80-7050	Shim - Gear Box	25 36 2	80-8260	Stud - Head	22 19 8
80-7051	Shim - Gear Box	25 * 2	80-8270	Bracket - Adjustment	26 4 1
80-7052	Shim - Gear Box	25 * 2	80-8280	Rod - Control	10 2 1
80-7053	Shim - Gear Box	25 * 2	80-8290	Plate - Hot Surface	12 14 3
80-7060	Shaft - Override	2 45 1	80-8330	Pivot - Roller	28 16 2
80-7070	Relief Valve Assembly	23 7 1	80-8340	Shaft - Pinion	15 12 1
80-7080	Housing	2 40 1	80-8350	Bracket - Clamp	23 3 1

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
80-8360	Pulley - Idler	20 4 1	80-9450	Decal - Crankcase	21 7 1
80-8370	Cable - Battery (Neg.)	12 39 1	80-9450	Decal - Pump	20 27 1
80-8380	Cable - Battery (Pos.)	12 * 1	80-9480	Retainer - Tube	22 16 1
80-8400	Lever - Speed Control	11 4 1	80-9480	Tube - Retainer	25 33 1
80-8430	Cable - Speed Control	11 26 1	80-9500	Adapter - Bulkhead	5 29 2
80-8440	Control - Throttle	10 19 1	80-9510	Wrench - Water Filter	5 * 1
80-8450	Sleeve - Ceramic	25 7 1	80-9520	Pulley - Engine	13 3 1
80-8460	Seal - O-Ring	25 5 1	80-9540	Spacer	2 62 1
80-8470	Ring - Support	25 6 1	80-9550	Bracket - Relay	10 44 1
80-8480	Washer	25 23 1	80-9560	Gasket - Pilot	25 35 1
80-8490	Washer - Back-Up	25 4 1	80-9580	Lever - Valve	10 42 1
80-8500	Cam	15 23 1	80-9600	Head - Water Filter	5 28 1
80-8510	Block - Weight	15 27 1	80-9610	Bushing - Flange	20 8 2
80-8530	Flange - Bearing	28 6 4	80-9620	Wire Harness - Tiller	9 * 1
80-8550	Flange - Bearing	28 5 4	80-9630	Wire Harness - Main	9 * 1
80-8560	Washer	13 32 1	80-9640	Kit - Seal	22 * 1
80-8570	Washer	13 18 1	80-9650	Kit - Check Valve	22 * 1
80-8580	Guard - Belt	8 11 1	80-9660	Kit - Rebuild	25 * 1
80-8590	Element - Water Filter	5 26 1	80-9680	Support - Feeder	23 49 1
80-8600	Water Filter Assembly	5 * 1	80-9710	Spring - Conical	23 32 11
80-8610	Bracket - Filter	5 14 1	80-9720	Extension - Nozzle	23 37 11
80-8620	Spacer - Coupler	13 12 8	80-9730	Guide - Cable	3 2 1
80-8630	Angle - Clutch	13 8 1	80-9740	Cable - Brake	1 24 1
80-8650	Disc - Rubber	13 16 2	80-9740	Cable - Brake	3 10 1
80-8660	Spacer - Coupling	13 29 2	80-9750	Valve - Bleed	25 11 1
80-8670	Spacer - Steering	3 3 1	80-9760	Stop - Clutch	13 5 1
80-8680	Stud	23 21 2	80-9780	Stop - Clutch	13 38 1
80-8680	Stud - Mounting	20 22 2	80-9790	Shaft - Steering Pivot	3 5 1
80-8690	Pin - Pivot	28 18 2	80-9800	Flange - Nozzle	23 36 11
80-8710	Plate - Side	28 21 2	80-9830	Tube - Hydraulic	10 26 1
80-8720	Stop - Roller	28 20 4	80-9840	Plate - Valve	4 7 1
80-8730	Shaft - Roller	28 3 2	82-0010	Decal - Air Cleaner Maint.	37 4 1
80-8740	Roller	28 1 2	82-0020	Plate - Bearing Rear	29 15 1
80-8750	Control - Electric	10 32 1	82-0030	Oil Base Assembly	34 7 1
80-8760	Decal - Danger (English)	17 7 1	82-0040	Nut - Hex.	30 40 20
80-8770	Tube - Water	23 6 1	82-0060	Crankshaft	32 10 1
80-8790	Wire Harness - Control	9 * 1	82-0070	Washer - Spring Retainer	30 48 2
80-8880	Decal - Warning (English)	23 13 2	82-0080	Insert - Exhaust Valve	29 24 2
80-8880	Decal - Warning (English)	24 7 2	82-0090	Insert - Exhaust Valve	29 * 2
80-8890	Mount - Valve	10 35 1	82-0100	Insert - Exhaust Valve	29 * 2
80-8930	Sump - Water Filter	5 41 1	82-0110	Insert - Exhaust Valve	29 * 2
80-8940	Valve - Bleed	5 42 1	82-0120	Insert - Exhaust Valve	29 * 2
80-8970	Cap - Valve	24 2 1	82-0130	Gasket - Cylinder Head	29 9 2
80-8980	Piston Assembly	24 8 1	82-0140	Guide - Exhaust Valve	29 26 2
80-8990	End Seal/Back-Up Ring Kit	24 4 1	82-0150	Guide - Intake Valve	29 * 2
80-9000	Valve - Gas	24 3 1	82-0160	Insert - Intake Valve	29 25 2
80-9020	Protector - Valve	24 1 1	82-0170	Insert - Intake Valve	29 * 2
80-9030	Cap - Gas End	24 12 1	82-0180	Insert - Intake Valve	29 * 2
80-9040	Cap - Water End	24 9 1	82-0190	Insert - Intake Valve	29 * 2
80-9050	Bracket - Nozzle Rear	8 27 3	82-0200	Insert - Intake Valve	29 * 2
80-9060	Bracket - Nozzle Front	8 31 3	82-0210	Head - Cylinder	29 10 2
80-9080	Plate - Hinge	8 20 4	82-0220	Valve - Intake	29 22 2
80-9090	Plate - Back-Up	8 18 2	82-0230	Valve - Exhaust	29 23 2
80-9150	Support - Muffler Shield	12 9 1	82-0240	Cap - Exhaust Valve	30 43 2
80-9170	Bracket - Pulley Guard	17 23 1	82-0250	Lock - Valve Spring	30 28 8
80-9180	Shield - Manifold	28 10 2	82-0260	Gasket - Valve Cover	29 6 2
80-9190	Accumulator Assembly	23 14 1	82-0270	Seal - Intake Valve	29 8 2
80-9200	Seal - Back-Up	25 19 1	82-0280	Cover - Valve (Coil)	29 5 1
80-9220	Retainer - Seal	25 25 1	82-0290	Pin - Piston	31 61 2
80-9230	Support - Wire	13 41 1	82-0300	Piston Assy. (Std.)	31 60 2
80-9240	Panel - Control (English)	1 3 1	82-0310	Piston Assy. (.005" OS)	31 * 2
80-9260	Plate - Back-Up	8 23 2	82-0320	Piston Assy. (.010" OS)	31 * 2
80-9270	Bracket - Switch	1 9 1	82-0330	Piston Assy. (.020" OS)	31 * 2
80-9280	Switch Assembly	1 8 2	82-0340	Piston Assy. (.030" OS)	31 * 2
80-9290	Button - Switch (Green)	1 5 1	82-0360	Piston Ring Set (Std.)	31 57 1
80-9300	Button - Push (Red)	2 57 1	82-0370	Piston Ring Set (.005" OS)	31 * 1
80-9310	Spacer - Hinge	8 38 2	82-0380	Piston Ring Set (.010" OS)	31 * 1
80-9320	Clamp - Traction	17 35 1	82-0390	Piston Ring Set (.020" OS)	31 * 1
80-9330	Audio Alarm Assembly	1 12 1	82-0400	Piston Ring Set (.030" OS)	31 * 1
80-9350	Plate - Hot Surface	12 18 2	82-0410	Bushing - Piston Pin	30 41 2
80-9390	Guide - Valve	25 27 1	82-0420	Bearing Half - Rod (Std.)	30 35 4
80-9400	Fitting - Straight Bard	22 14 1	82-0430	Bearing Half - Rod	30 * 4
80-9410	Fitting - Adapter	25 31 1	82-0440	Bearing Half - Rod	30 * 4
80-9420	Housing - Bearing (Cap)	21 35 1	82-0450	Bearing Half - Rod	30 * 4
80-9430	Crankshaft	21 11 1	82-0460	Bearing Half - Rod	30 * 4

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
82-0470	Connecting Rod Assembly	31 58 2	82-1510	Screw - Cap Hex. Hd.	35 9 2
82-0480	Tube - Oil	29 21 1	82-1520	Gasket - Muffler	12 27 2
82-0490	Cup - Oil Pump Intake	34 1 1	82-1540	Screw - Hex. Washer	42 26 1
82-0510	Drain - Oil Filter	35 8 1	82-1540	Screw - Hex. Washer Hd.	40 14 1
82-0520	Gasket - Oil Filter Adaptor	35 1 1	82-1550	Screw - Tapping	37 9 2
82-0530	Clamp - Breather Tube	30 32 1	82-1570	Decal - Performer	37 20 1
82-0540	Tube - Breather	29 3 1	82-1570	Decal - Performer	42 22 2
82-0550	Breather Cap & Valve	29 2 1	82-1580	Decal - Head Bolt Torque	42 23 2
82-0560	Screen - Breather Tube	30 33 2	82-1590	Screw - Pan Hd.	42 1 4
82-0570	Seal - O-Ring	30 34 1	82-1600	Screw - Hex. Washer Hd.	42 14 2
82-0580	Tube - Oil Fill	34 9 1	82-1620	Washer - Lock	31 62 2
82-0590	Dipstick Assembly	34 11 1	82-1650	Washer - Lock	30 45 24
82-0600	Housing - Cylinder LH	42 15 1	82-1660	Washer - Lock	36 18 2
82-0610	Flywheel	33 4 1	82-1660	Washer - Lock	43 4 1
82-0620	Guard - Stationary	42 2 1	82-1670	Nut - Wing	37 2 1
82-0630	Housing - Blower	42 3 1	82-1690	Nut - Hex. Washer Hd.	37 15 1
82-0640	Housing - Cylinder RH	42 21 1	82-1710	Cover - Valve (Dipstick)	29 * 1
82-0650	Cover - Inner	37 3 1	82-1720	Cap - Solenoid	44 7 1
82-0660	Element - Air Cleaner	37 7 1	82-1730	Nut - Hex.	44 6 1
82-0670	Manifold - Intake	38 10 1	82-1740	Spring - Governor Rod	38 7 1
82-0670	Wrapper - Element	37 6 1	82-1750	Short Block Assembly	29 1 1
82-0690	Cover - Air Cleaner	37 21 1	82-1760	Knob	37 1 1
82-0700	Tube - Air Intake	37 17 1	82-1770	Screw - Hex. Washer Hd.	37 19 3
82-0710	Housing - Air Cleaner	37 8	82-1780	Screw - Hex. Washer Hd.	42 29 3
82-0720	Support - Air Cleaner	37 12 1	217-60	Rim - Wheel	3 21 1
82-0730	Plate - Air Deflector	37 18 1	217-60	Rim - Wheel	26 23 2
82-0740	Kit - Jet	39 6 1	218-446	Nut - Lock	10 8 1
82-0750	Jet - Idle	39 3 1	218-447	Washer - Lock	10 7 1
82-0760	Gasket - Carburetor	39 * 1	218-498	Nut - Locking	1 4 1
82-0770	Carburetor Assembly	38 4 1	232-27	Stem - Valve	3 24 1
82-0780	Carburetor Repair Kit	39 7 1	232-27	Stem - Valve	26 29 2
82-0790	Jet - Power (Std.)	39 4 1	233-17	Knob	10 3 1
82-0800	Solenoid - Fuel Shut-Off	39 5 1	237-7	Seal - O-Ring	5 6 1
82-0810	Kit - Throttle Shaft	39 9 1	237-22	Seal - O-Ring	18 51 1
82-0840	Rod - Governor Control	38 6 1	237-25	Seal - O-Ring	15 21 1
82-0850	Gasket - Carburetor	38 17 1	237-30	Seal - O-Ring	3 32 2
82-0850	Gasket - Carburetor	39 8 1	237-30	Seal - O-Ring	8 2 6
82-0860	Gasket - Manifold	38 14 2	237-30	Seal - O-Ring	10 25 2
82-0880	Camshaft	32 9 1	237-30	Seal - O-Ring	15 31 1
82-0900	Gasket - Oil Base	34 2 1	237-30	Seal - O-Ring	17 25 2
82-0910	Gasket - Gear Case	36 8 1	237-42	Seal - O-Ring	17 41 2
82-0950	Gasket Kit (Engine)	30 47 1	237-78	Seal - O-Ring	15 32 1
82-0960	Gasket Kit (Carbon Remove)	29 * 1	237-79	Seal - O-Ring	10 23 2
82-0980	Spacer/Seal	37 5 1	237-79	Seal - O-Ring	15 8 3
82-0990	Housing - Connector	40 17 1	237-79	Seal - O-Ring	17 27 2
82-1000	Body - Terminal Connector	36 23 2	237-80	Seal - O-Ring	3 30 2
82-1010	Housing - Receptacle	40 10 1	237-81	Seal - O-Ring	15 29 1
82-1020	Tie - Cable	40 12 2	237-170	Seal - O-Ring	22 1 3
82-1050	Wire Harness Assembly	40 * 1	237-171	Seal - Cover	15 4 1
82-1070	Fitting - 90° Elbow	38 3 1	237-172	Seal - O-Ring	15 15 1
82-1080	Clamp - Hose	38 16 2	237-173	Seal - O-Ring	25 37 1
82-1080	Clamp - Hose	41 2 6	237-176	Seal - O-Ring	5 27 1
82-1090	Clamp - Hose	37 11 1	237-178	Seal - O-Ring	25 24 1
82-1090	Clamp - Hose	38 2 1	240-3	Grommet	8 35 4
82-1100	Hose - Fuel (Cut to 15")	38 15 1	240-11	Grommet	5 36 4
82-1100	Hose - Fuel (Cut to 15")	41 1 1	240-12	Grommet	1 29 1
82-1120	Hose - Breather	37 10 1	240-14	Bumper	13 7 2
82-1120	Hose - Breather	38 1 1	241-119	Cap - Hub	26 26 2
82-1130	Plug - Pipe	34 12 1	242-50	Nut - Lug	3 23 4
82-1180	Plug - Expansion	29 7 1	242-50	Nut - Lug	26 24 8
82-1200	Ring - Retaining	31 56 4	2411-34	Joint - Ball	2 46 1
82-1230	Stud - Cylinder Head Top	30 * 4	2411-34	Joint - Ball	17 43 1
82-1240	Stud - Cylinder Head Mid.	30 * 8	2411-50	Eye - Rod L.H. Thread	11 20 2
82-1250	Stud - Cylinder Head Btm.	30 36 8	2411-51	Eye - Rod R.H. Thread	11 13 2
82-1300	Washer - Flat	30 44 20	2412-41	Clamp - R	5 10 2
82-1310	Washer - Flat	30 42 5	2412-71	Clamp - R	12 34 2
82-1310	Washer - Flat	34 3 4	2412-81	Clamp - R	23 1 2
82-1310	Washer - Flat	38 9 4	2412-94	Clamp - R	2 36 1
82-1320	Washer - Flat	33 2 1	2412-108	Clamp - Hose	5 8 1
82-1340	Washer - Flat	38 13 2	2412-108	Clamp - Hose	12 29 1
82-1340	Washer - Flat	40 2 2	2412-108	Clamp - Hose	15 34 1
82-1350	Washer - Flat	38 12 2	2412-108	Clamp - Hose	17 38 1
82-1470	Bolt - Connecting Rod	31 59 4	2412-108	Clamp - Hose 3/4"	7 12 20
82-1480	Screw - Tapping	29 11 1	2412-120	Clamp - R	2 47 2

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
2412-129	Clamp - Hose 3/8"	7 11 8	323-9	Screw - Cap Hex. Hd.	12 4 1
251-259	Bearing - Ball	17 20 2	323-12	Screw - Cap Hex. Hd.	20 7 1
251-351	Bearing - Ball	28 25 4	323-14	Screw - Cap Hex. Hd.	11 17 1
253-129	Seal - Bearing	26 32 2	323-14	Screw - Cap Hex. Hd.	38 8 4
253-148	Seal - Input Shaft	15 36 1	323-19	Screw - Cap Hex. Hd.	12 37 4
253-167	Seal - V	28 4 4	323-20	Screw - Cap Hex. Hd.	23 41 7
253-168	Seal - Oil	25 20 1	323-25	Screw - Cap Hex. Hd.	34 4 4
254-61	Cup - Bearing	15 10 3	323-29	Screw - Cap Hex. Hd.	1 17 1
254-62	Cone - Bearing	15 11 3	323-52	Screw - Cap Hex. Hd.	15 25 4
254-67	Cup - Bearing	15 14 1	324-6	Screw - Cap Hex. Hd.	17 5 2
254-68	Cone - Bearing	15 13 1	324-26	Screw - Cap Hex. Hd.	23 20 4
254-72	Cup Bearing	26 31 4	324-26	Screw - Cap Hex. Hd.	24 11 4
254-94	Cone - Bearing	26 30 4	325-4	Screw - Cap Hex. Hd.	23 26 1
255-12	Ball - Check	23 31 11	325-5	Screw - Cap Hex. Hd.	23 24 1
255-13	Ball - Steel	25 39 1	325-6	Screw - Cap Hex. Hd.	3 4 4
256-90	Bushing - Sleeve	1 13 3	325-12	Screw - Cap Hex. Hd.	23 25 1
256-113	Bushing - Flange	17 8 2	325-13	Screw - Cap Hex. Hd.	3 1 4
256-116	Bushing - Flange	11 8 6	325-14	Screw - Cap Hex. Hd.	26 35 1
256-206	Bushing - Sleeve	1 19 1	325-17	Screw - Cap Hex. Hd.	18 57 1
256-245	Bushing - Flange	8 5 2	325-22	Screw - Cap Hex. Hd.	26 15 1
256-268	Bushing - Flange	26 1 2	329-3	Screw - Cap Hex. Hd.	3 15 4
256-315	Bushing - Sleeve	25 17 1	3210-5	Screw - Cap Hex. Hd.	13 30 4
256-318	Bushing - Nyliner	28 15 4	3210-8	Screw - Cap Hex. Hd.	13 17 3
281-2	Plug - Hex. Hd.	34 5 1	3211-38	Screw - Cap Hex. Hd.	13 31 1
283-1	Pin - Clevis	3 11 1	3213-5	Screw - Cap Hex. Hd.	20 6 1
283-67	Pin - Clevis	11 25 1	3217-5	Nut - Lock	13 35 3
288-4	Cap - Drain	12 33 1	3217-7	Nut - Lock	13 33 1
289-48	Nipple - Drain	12 32 1	3217-9	Nut - Lock	3 27 4
2811-7	Fitting - Breather 90°	15 37 1	3217-16	Nut - Hex.	2 55 4
2811-10	Fitting - Drain 90°	12 31 1	3218-1	Nut - Jam	17 3 2
302-5	Fitting - Grease	8 37 1	3219-20	Nut - Hex. (L.H. Thread)	11 35 2
302-5	Fitting - Grease	17 11 1	3219-28	Nut - Hex.	22 18 8
302-5	Fitting - Grease	26 3 1	3219-28	Nut - Lock	20 24 8
304-75	Fitting - Hydraulic 90°	17 37 1	3220-1	Nut - Jam	2 39 2
304-99	Fitting - 90° Elbow	15 33 1	3220-1	Nut - Jam	17 44 1
304-101	Fitting - Barb	22 15 1	3220-2	Nut - Lock	10 43 2
304-101	Fitting - Barb	25 32 1	3220-3	Nut - Jam	11 15 2
321-3	Screw - Cap Hex. Hd.	10 13 4	3220-6	Nut - Jam	2 63 2
321-3	Screw - Cap Hex. Hd.	13 40 1	3220-6	Nut - Jam	17 19 2
321-3	Screw - Cap Hex. Hd.	40 1 2	3220-23	Nut - Jam	25 22 1
321-4	Screw - Cap Hex. Hd.	8 30 6	3229-1	Bolt - Carriage	1 27 1
321-4	Screw - Cap Hex. Hd.	20 21 2	3229-1	Bolt - Carriage	8 19 12
321-6	Screw - Cap Hex. Hd.	30 49 2	3230-1	Bolt - Carriage	5 15 3
321-10	Screw - Cap Hex. Hd.	17 29 2	3230-8	Bolt - Carriage	28 22 4
321-11	Screw - Cap Hex. Hd.	30 31 2	3230-22	Bolt - Carriage	26 18 6
321-19	Screw - Cap Hex. Hd.	23 11 2	3234-4	Screw - Hex. Washer Hd.	8 28 6
321-28	Screw - Cap Hex. Hd.	8 22 2	3234-11	Screw - Hex. Washer Hd.	13 27 2
322-1	Screw - Cap Hex. Hd.	12 12 2	3234-14	Screw - Hex. Washer Hd.	28 13 2
322-3	Screw - Cap Hex. Hd.	11 6 2	3234-24	Screw - Hex. Flange Hd.	8 10 1
322-3	Screw - Cap Hex. Hd.	12 17 2	3234-24	Screw - Hex. Washer Hd.	13 26 2
322-4	Screw - Cap Hex. Hd.	12 8 2	3234-24	Screw - Hex. Washer Hd.	28 12 10
322-4	Screw - Cap Hex. Hd.	13 11 2	3234-25	Screw - Hex. Washer Hd.	28 23 4
322-4	Screw - Cap Hex. Hd.	15 9 8	3234-35	Screw - Hex. Flange Hd.	23 35 22
322-5	Screw - Cap Hex. Hd.	18 52 1	3245-5	Screw - Set	17 2 2
322-5	Screw - Cap Hex. Hd.	35 4 2	3247-4	Screw - Set	31 63 4
322-9	Screw - Cap Hex. Hd.	36 15 4	3250-35	Screw	2 53 4
322-12	Screw - Cap Hex. Hd.	38 11 2	3250-39	Screw - Pan Hd.	12 22 1
322-17	Screw - Cap Hex. Hd.	17 16 1	3253-3	Washer - Lock	10 14 2
322-22	Screw - Mounting	44 11 2	3253-3	Washer - Lock	13 36 3
323-2	Screw - Hex. Washer Hd.	28 9 6	3253-4	Washer - Lock	12 5 8
323-4	Screw - Cap Hex. Hd.	11 30 2	3253-4	Washer - Lock	18 53 3
323-4	Screw - Cap Hex. Hd.	13 37 1	3253-7	Washer - Lock	3 28 4
323-4	Screw - Cap Hex. Hd.	24 13 2	3253-21	Washer - Lock	10 30 2
323-5	Screw - Cap Hex. Hd.	5 34 4	3253-21	Washer - Lock	12 20 2
323-5	Screw - Cap Hex. Hd.	15 18 8	3253-21	Washer - Lock	13 34 1
323-5	Screw - Cap Hex. Hd.	23 23 12	3253-21	Washer - Lock	20 25 1
323-6	Screw - Cap Hex. Hd.	10 21 3	3254-6	Washer - I.T.L.W.	28 26 6
323-6	Screw - Cap Hex. Hd.	12 21 2	3254-9	Washer - I.T.L.W.	2 54 4
323-6	Screw - Cap Hex. Hd.	13 6 2	3254-9	Washer - Lock	17 32 2
323-6	Screw - Cap Hex. Hd.	18 58 4	3255-7	Washer - Lock	3 14 4
323-6	Screw - Cap Hex. Hd.	20 11 1	3255-9	Washer - E.T.L.W.	12 38 1
323-6	Screw - Cap Hex. Hd.	23 16 4	3256-2	Washer - Flat	2 42 4
323-7	Screw - Cap Hex. Hd.	11 12 2	3256-14	Washer - Flat	1 2 4
323-7	Screw - Cap Hex. Hd.	26 17 3	3256-14	Washer - Flat	11 32 8

*Not Illustrated

PART NUMBER INDEX (Continued)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3256-22	Washer - Flat	8 29 10	3296-59	Nut - Lock	1 23 1
3256-22	Washer - Flat	10 15 7	3296-59	Nut - Lock	11 21 2
3256-23	Washer - Flat	11 34 2	32104-60	Screw - Hex. Washer Hd.	1 1 8
3256-23	Washer - Flat	12 13 6	32104-60	Screw - Hex. Washer Hd.	11 33 8
3256-23	Washer - Flat	17 14 2	32104-60	Screw - Hex. Washer Hd.	17 10 2
3256-24	Washer - Flat	1 22 1	32104-76	Screw - Hex. Slotted Hd.	2 48 2
3256-24	Washer - Flat	10 18 2	32104-95	Screw - Cap Hex. Hd.	12 10 5
3256-24	Washer - Flat	12 3 3	32104-95	Screw - Hex. Flange Hd.	10 45 4
3256-24	Washer - Flat	13 25 8	32104-95	Screw - Hex. Washer Hd.	1 28 6
3256-25	Washer - Flat	17 47 2	32104-95	Screw - Hex. Washer Hd.	13 23 1
3256-26	Washer - Flat	20 26 2	32104-95	Screw - Hex. Washer Hd.	17 22 2
3256-26	Washer - Flat	26 7 1	32105-2	Screw - Cap Hex. Hd.	10 10 2
3256-28	Washer - Flat	26 28 2	32105-2	Screw - Hex. Flange Hd.	2 60 1
3256-28	Washer - Flat	28 8 4	32105-5	Screw - Cap Hex. Hd.	10 34 2
3256-42	Washer - Flat	5 32 4	32105-24	Screw - Round Hd.	17 33 2
3256-68	Washer - Flat	28 14 2	32108-103	Screw - Flat Hd.	13 13 3
3269-25	Rivet - Pop	8 25 8	32120-37	Ring - Retaining	25 21 1
3269-32	Rivet - Pop	12 15 10	32121-34	Pin - Roll	17 34 1
3272-2	Pin - Cotter	10 39 1	32121-42	Pin - Roll	15 24 4
3272-4	Pin - Cotter	11 27 1	32121-48	Pin - Roll	25 12 1
3272-10	Pin - Cotter	3 9 1	32121-66	Pin - Roll	26 13 3
3272-13	Pin - Cotter	26 25 2	32121-79	Pin - Roll	1 15 2
3274-10	Screw - Hex. Socket Hd.	12 6 4	32128-21	Nut - Flange Lock	12 35 4
3274-10	Screw - Socket Hd.	15 1 2	32128-37	Nut - Flange Lock	17 46 2
3274-83	Screw - Socket Hd.	25 13 6	32136-5	Nut - Slotted	26 27 2
3290-313	Screw - Pan Hd.	2 35 2	32144-41	Screw - Cap Hex. Hd.	5 11 4
3290-354	Plate - Nut	2 37 1	32144-67	Screw - Cap Hex. Hd.	23 48 2
3290-378	Tie - Cable	7 3 3	32144-67	Screw - Hex. Washer Hd.	13 21 1
3290-378	Tie - Cable	9 * 5	32148-9	Nut - Insert	8 9 3
3290-378	Tie - Cable	13 42 1	32151-44	Ring - Retaining	8 7 1
3290-378	Tie - Cable	18 59 1	32151-47	Ring - Retaining	11 10 1
3290-410	Tie - Cable	17 21 1	32151-99	Ring - Retaining	25 14 1
3290-494	Washer - Rubber	5 1 1	32152-1	Nut - Lock	12 26 2
3296-2	Nut - Lock	2 59 1	32152-5	Nut - Lock	13 14 6
3296-2	Nut - Lock	10 20 4	340-4	Fitting - Hydraulic Str.	17 26 2
3296-3	Nut - Lock	2 41 3	340-6	Fitting - Hydraulic St.	3 31 2
3296-3	Nut - Lock	17 42 1	340-54	Fitting - Hydraulic 45°	18 50 1
3296-6	Nut - Lock	14 4 3	340-98	Fitting - Hydraulic 90°	10 22 2
3296-9	Nut - Lock	12 25 1	340-98	Fitting - Hydraulic 90°	15 30 1
3296-15	Nut - Lock	28 7 2	340-127	Nut - Bulkhead	8 15 4
3296-19	Nut - Lock	1 31 3	340-161	Fitting - Hydraulic Bulkhead	8 3 2
3296-19	Nut - Lock	20 16 2	353-550	Fitting - Plug	15 7 2
3296-19	Nut - Lock	23 22 2	354-82	Plug	25 10 1
3296-23	Nut - Lock	18 54 1	354-82	Plug Assembly	22 13 3
3296-28	Nut - Lock	20 3 1	354-88	Coupler - Female	5 38 1
3296-29	Nut - Lock	5 33 3	354-89	Coupler - Male	5 39 1
3296-29	Nut - Lock	11 1 2	354-91	Fitting - Gauge Tee	5 25 1
3296-29	Nut - Lock	17 13 2	354-92	Fitting - Reducer	23 8 1
3296-29	Nut - Lock	26 16 6	354-93	Fitting - 90° Elbow	10 38 2
3296-29	Nut - Lock	28 19 16	354-93	Fitting - 90° Elbow	23 9 1
3296-39	Nut - Lock	8 12 1	354-96	Fitting - Tee	7 4 1
3296-39	Nut - Lock	10 17 1	354-98	Fitting - Straight	5 24 1
3296-39	Nut - Lock	11 18 3	354-101	Fitting - 90° Compression	5 22 1
3296-39	Nut - Lock	15 26 4	354-102	Hydraulic Fitting Assembly	10 4 1
3296-39	Nut - Lock	18 56 4	354-106	Fitting - 90° Elbow	5 23 1
3296-39	Nut - Lock	20 14 1	354-107	Fitting - Tee	7 8 2
3296-39	Nut - Lock	26 14 3	354-109	Fitting - Adaptor	5 2 1
3296-39	Nut - Lock	28 11 10	354-110	Fitting - Water 90°	23 5 1
3296-42	Nut - Lock	1 26 1	354-111	Fitting - Water Straight	23 47 1
3296-42	Nut - Lock	8 26 26	354-112	Fitting - 90° Elbow	5 16 1
3296-42	Nut - Lock	10 33 6	354-113	Cap - Pipe	8 33 1
3296-42	Nut - Lock	17 36 2	354-114	Fitting - 90° Elbow	5 17 1
3296-42	Nut - Lock	23 2 2	355-1	Fitting - Tee	5 12 4
3296-45	Nut - Lock	3 34 2	355-2	Fitting - 90° Elbow	5 13 2
3296-45	Nut - Lock	26 6 2	355-4	Cap	5 18 6
3296-49	Nut - Lock	5 40 2	355-5	Strainer	5 20 6
3296-56	Nut - Lock	2 61 1	355-6	Nozzle	5 19 6
3296-56	Nut - Lock	11 24 2			
3296-56	Nut - Lock	20 15 1			

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. 80-9190	24
Front Wheel Assembly	3	Water Valve Assembly	25
Hydraulic Drive Motor Assembly No. 66-5293 ..	4	Rear Axle Assembly	26
Fuel Tank & Water Inlet Assembly	5	Lift Actuator Assembly No. 14-5219	27
Water System Schematic	6	Roller Assembly	28
Water System Hose Routing Diagram	7	Engine Cylinder Block Assembly	29-31
Frame & Cover Assembly	8	Engine Camshaft & Crankshaft Assembly	32
Electrical Schematic	9	Engine Flywheel Assembly	33
Control Panel Assembly	10	Engine Oil Base Assembly	34
Control Linkage Assembly	11	Engine Oil Filter Assembly	35
Engine Installation Assembly	12	Engine Ignition Control Assembly	36
Gear Box Drive Assembly	13	Engine Air Cleaner Assembly	37
Electric Clutch Assembly No. 80-6700	14	Engine Fuel System Assembly	38
Gear Box Assembly	15	Engine Carburetor Assembly No. 82-0770	39
Hydraulic Schematic	16	Engine Electronic Ignition Assembly	40
Hydraulic Pump Installation Assembly	17-18	Engine Fuel Pump & Filter Assembly	41
Hydraulic Pump Assembly No. 80-5450	19	Engine Housing Assembly	42
Water Pump Installation Assembly	20	Engine Choke Control Assembly	43
Water Pump Crankcase Assembly	21	Engine Starter Assembly	44
Water Pump Head Assembly	22	International Decal Cross Reference	45-47
Water Manifold & Valve Assembly	23	Part Number Index	48-54

MAINTENANCE RECORD

[illegible]

Compliance with Radio Interference Regulations Certified.
Certifié Conforme au Règlement sur le Brouillage Radioélectrique.