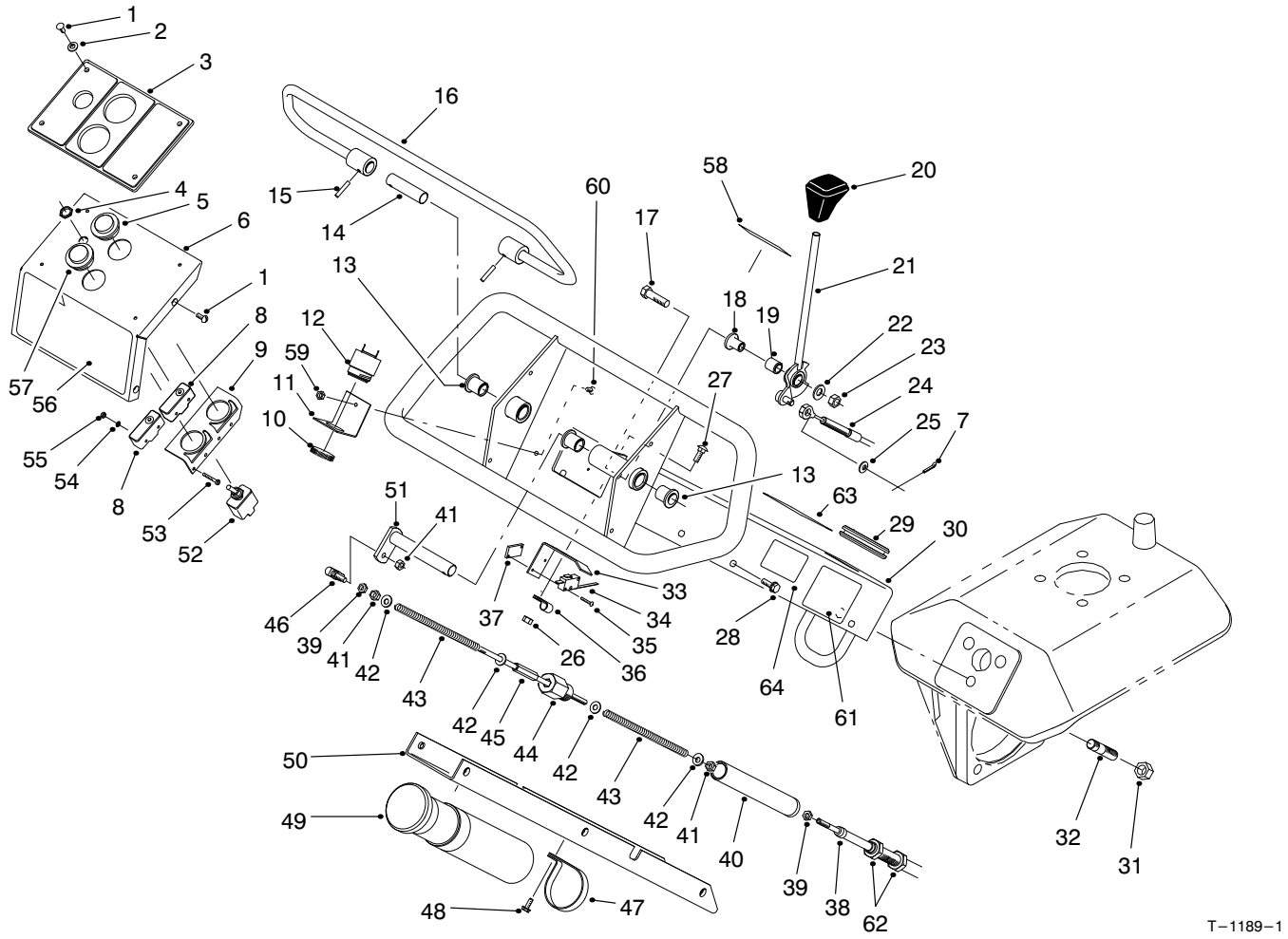
FORM NO. 3321–545

TORO®

MODEL NO. 09801–80001 & UP

PARTS CATALOG

HYDROJECT™ 3000 AERATOR



T–1189–1

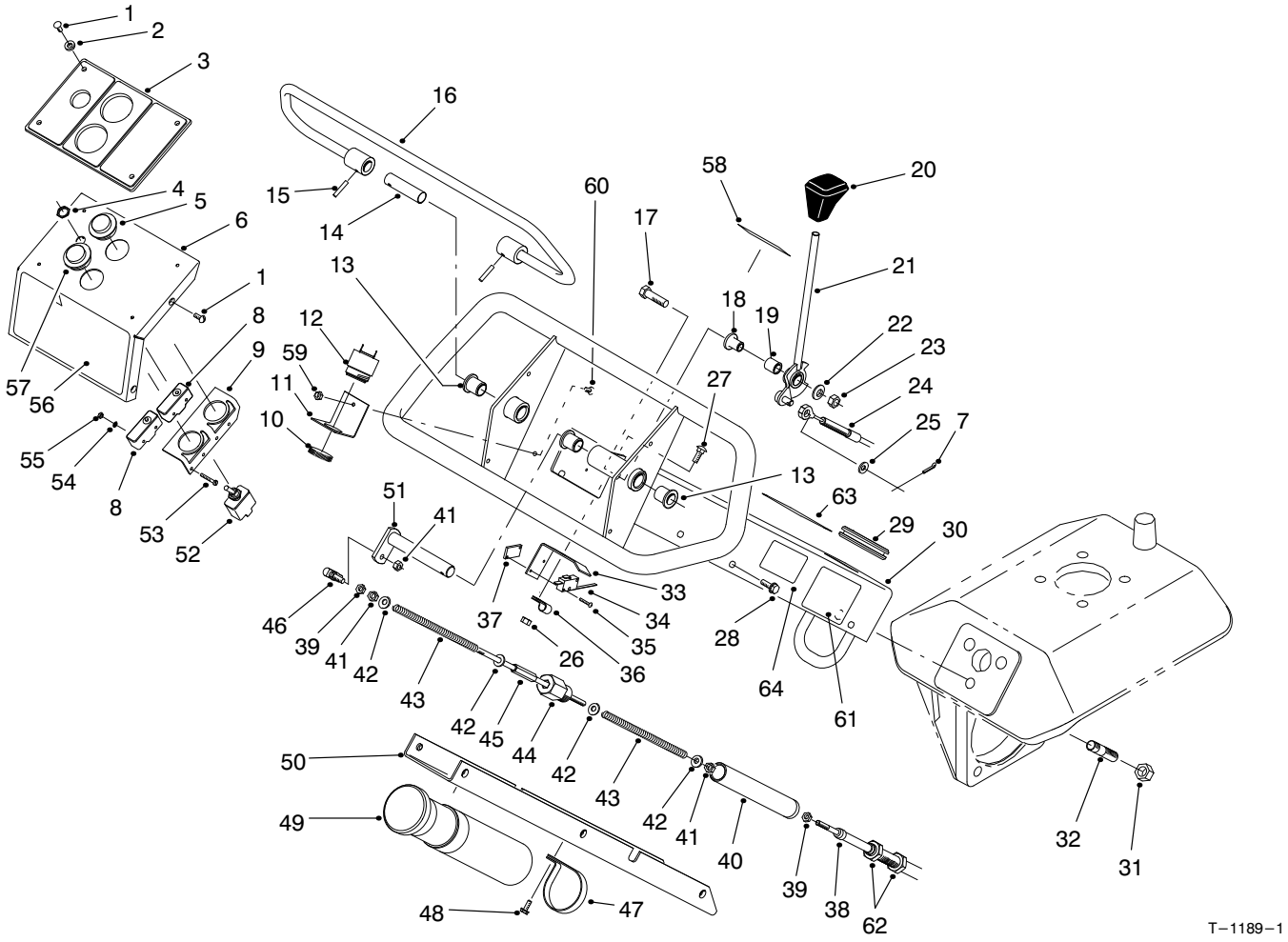
HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32104–60	Screw – HWH	8
1	3269–32	Rivet – Pop (Japan)	4
2	3256–14	Washer – Flat	4
3	80–9240	Panel – Control (English)	1
3	93–9368	Panel – Control (Europe)	1
3	83–6090	Panel – Control (Japan)	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	Asm–Switch	2
9	80–9270	Bracket – Switch	1
10		Retainer – Alarm	1
11	80–7790	Bracket – Alarm	1
12	80–9330	Asm–Audio Alarm (Incl. Ref. #10)	1
13	256–90	Bushing – Sleeve	3
14	80–7190	Shaft – Pivot	1
15	32121–79	Pin – Roll	2
16	80–7110	Handle – Traction Control	1
17	323–29	Screw – HH	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 – HWH	6
29	240–12	Grommet	1

© The TORO Company – 1998
All Rights Reserved

TPS

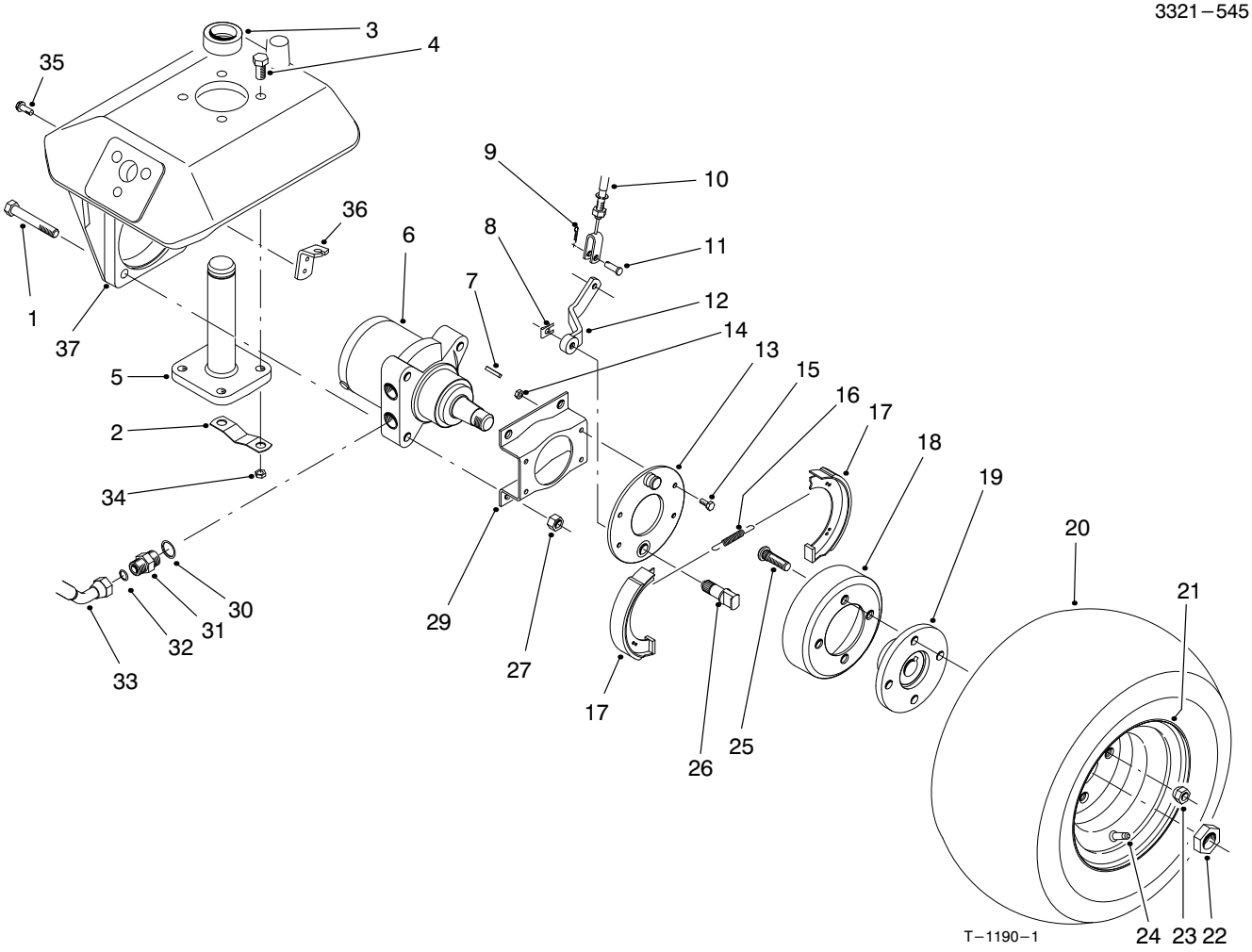
3321−545



HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
30	86−8510	Asm−Handle (Incl. Ref. #13, 32, 58 & 61)	1
31	3296−28	Nut − Lock	3
32	80−8680	Stud	3
33	80−6900	Bracket − Switch	1
34	40−8200	Switch − Micro	1
35	3290−313	Screw − PH	2
36	2412−94	Clamp − R	1
37	3290−354	Plate − Nut	1
38	80−7220	Asm−Stroke Control Cable (Incl. Ref. #62)	1
39	3220−1	Nut − Jam	2
40	80−7080	Housing	1
41	3296−3	Nut − Lock	3
42	3256−2	Washer − Flat	4
43	80−7150	Spring − Compression	2
44	80−7230	Hub − Override	1
45	80−7060	Shaft − Override	1
46	2411−34	Joint − Ball	1
47	2412−120	Clamp − R	2
48	32104−76	Screw − Hex. Slotted Hd.	2
49	74−0720	Tube − Manual	1
50	86−8450	Cover − Lower	1
51	80−7160	Arm − Traction	1
52	71−4170	Switch − Toggle (Incl. Ref. #4)	1

Ref. No.	Part No.	Description	No. Used
53	3250−35	Screw	4
54	3254−9	Washer − I.T.L.W.	4
55	3217−16	Nut − Hex.	4
56	80−8020	Decal − Instruction (English)	1
56	93−9369	Decal − Warning (Europe)	1
56	83−6060	Decal − Instruction (Japan)	1
57	80−9300	Button − Push (Red)	1
58	80−8070	Decal − Parking Brake (English)	1
58	93−9363	Decal − Parking Brake (Europe)	1
58	83−6120	Decal − Parking Brake (Japan)	1
59	3296−2	Nut − Lock	1
60	32105−2	Screw − HFH	1
61	72−4080	Decal − Danger (English)	1
61	93−9371	Decal − Danger (Europe)	1
61	83−6010	Decal − Danger (Japan)	1
62	3220−6	Nut − Jam	2
63	93−9429	Decal − Warning	1
63	93−9388	Decal − Warning, Tiller Arm (Europe)	1
64	93−7252	Decal − C.E. (Europe)	1

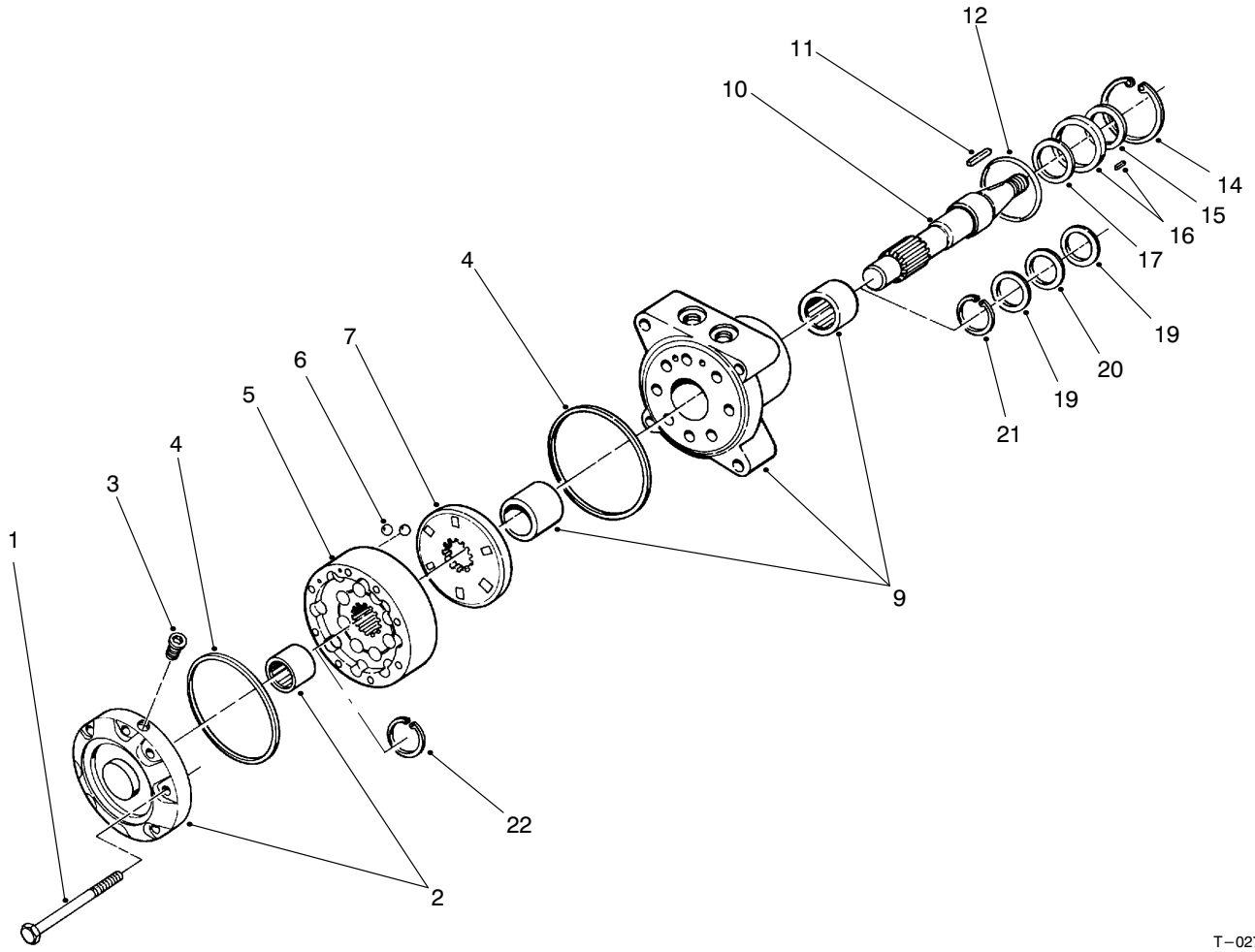


FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	325−14	Screw − HH	4
2	80−9730	Guide − Cable	1
3	86−8600	Spacer − Steering	1
4	325−6	Screw − HH	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	283−62	Pin − Clevis	1
12	80−7400	Lever − Brake	1
13	70−9870	Plate − Brake	1
14	3296−42	Nut − Lock	4
15	321−4	Screw − HH	4
16	70−9880	Spring − Brake	2
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

Ref. No.	Part No.	Description	No. Used
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	3296−23	Nut − Lock	4
29	84−2000	Bracket − Brake Plate	1
30	237−80	O−Ring	2
31	340−6	Fitting − Hydraulic, Straight (Incl. Ref. #30 & 32)	2
32	237−30	O−Ring	2
33	80−7370	Hose − Hydraulic	2
34	3296−45	Nut − Lock	2
35	32144−22	Screw − HWH	2
36	86−8290	Support − Cable	1
37	86−8270	Arm − Steering	1
*	71−1500	Asm−Brake (Incl. Ref. #8, 13, 16, 17 & 26)	1

* Not Illustrated



T−0274−2

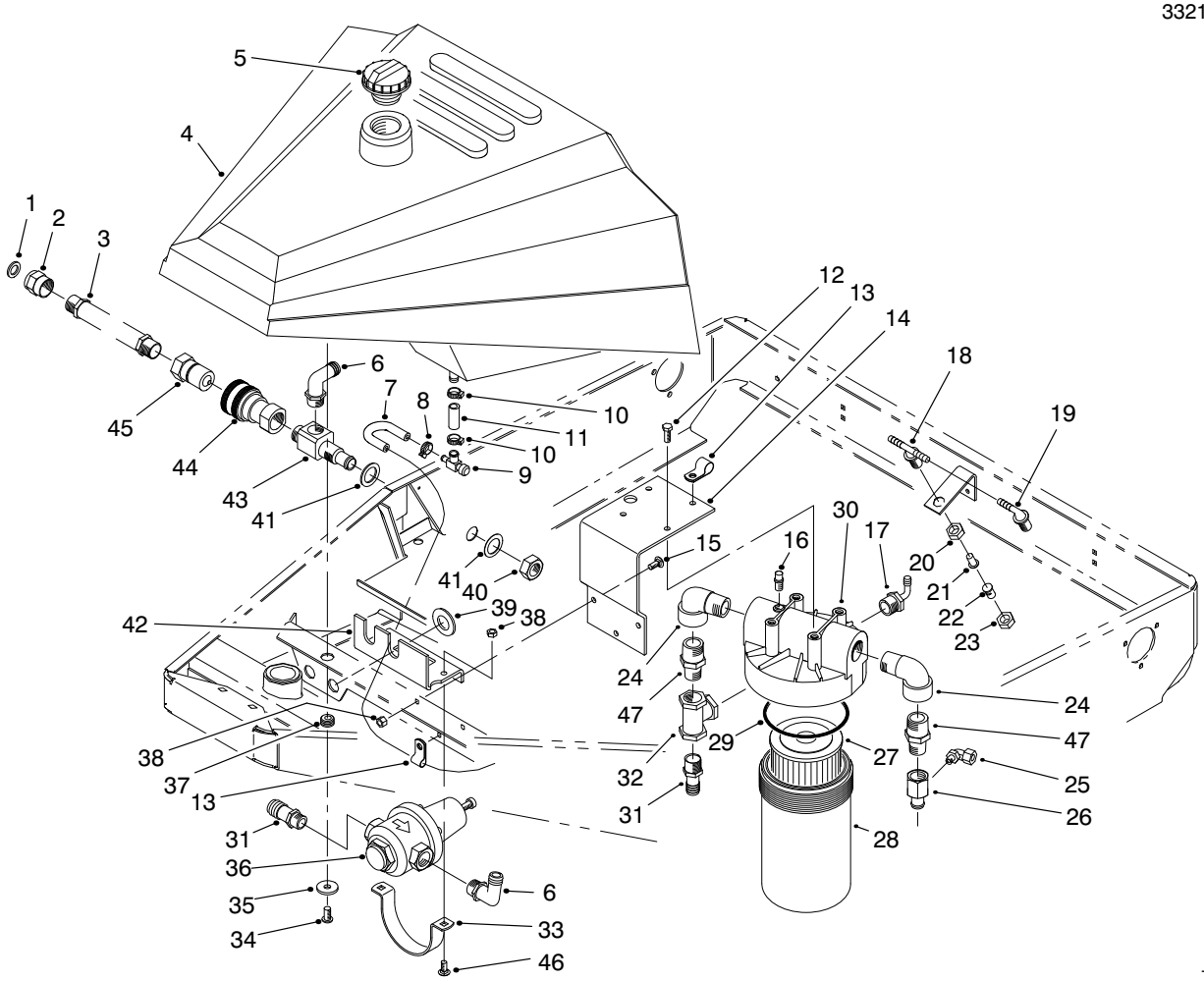
HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 66−5293

Ref. No.	Part No.	Description	No. Used
1	80−5480	Screw − HH	8
2	80−5470	Asm−Cover & Bearing	1
3	65−4560	Plug − Hex. Hollow	1
4	65−4570	Seal − Square Ring	2
5	80−5490	Asm−IGR	1
6	65−4550	Valve − Check Ball	2
7	80−9840	Plate − Valve	1
9	80−5460	Asm−Body & Bearing	1
10	80−5500	Shaft	1
11	3257−15	Key − Woodruff	1
12	65−4620	O−Ring	1
14	65−4500	Seal − Snap Ring	1

Ref. No.	Part No.	Description	No. Used
†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
22	98−3449	Ring−Snap	1
*	76−2350	Asm−Seal & Retainer (Incl. Ref. #15−17)	1
*	76−2360	Kit−Body Seal (Incl. Ref. #4, 12 & 15−17)	1

* Not Illustrated

† Not available from Toro as a replacement part.



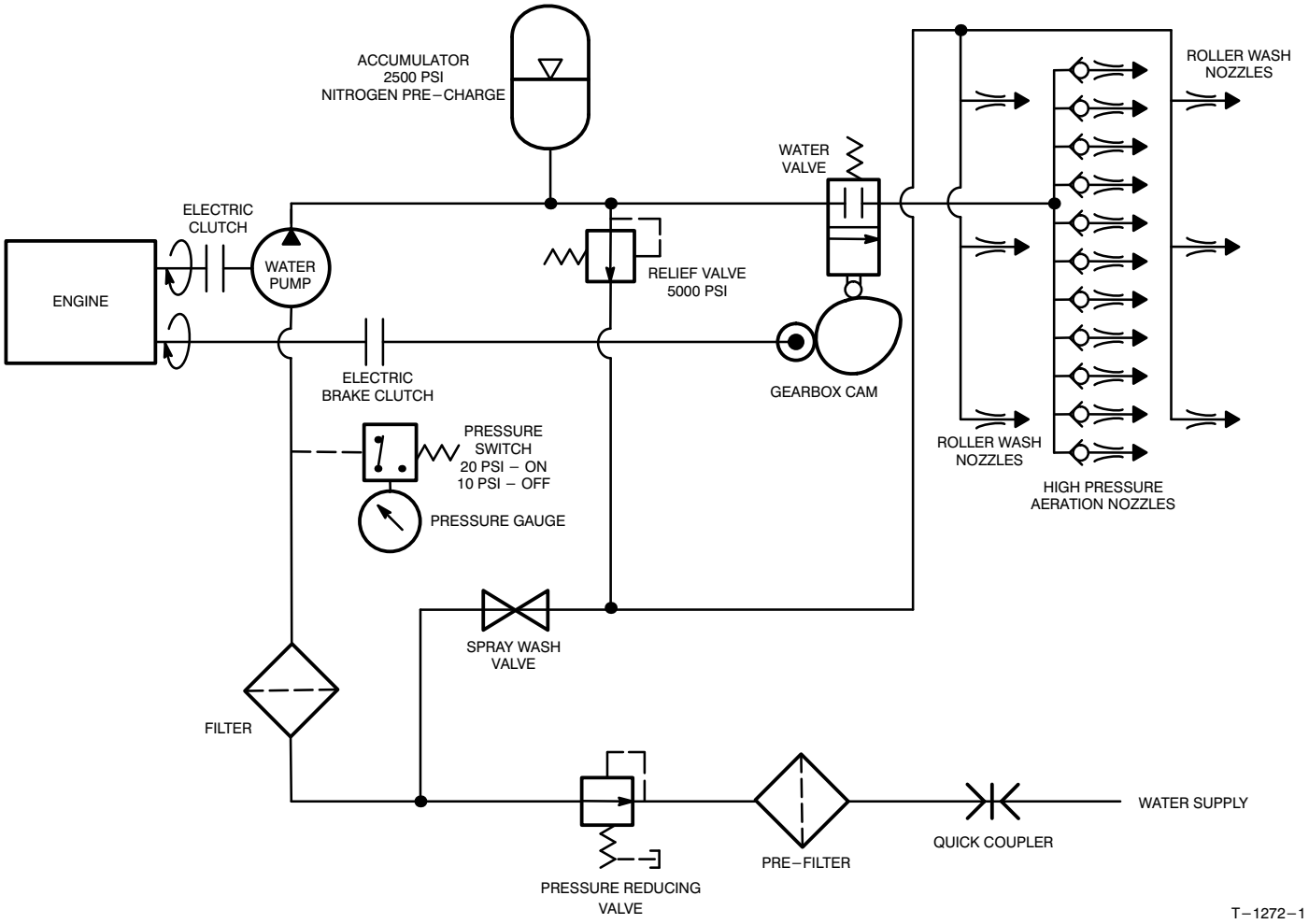
T−1196−4

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	93−3101	Cap − Fuel	1
5	93−7170	Cap − Fuel (Europe)	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 − HH	4
13	2412−41	Clamp − R	2
14	80−8610	Bracket − Filter	1
15	3230−1	Bolt − Carriage	3
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
24	95−5675	Fitting − 90° Elbow	2

Ref. No.	Part No.	Description	No. Used
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	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 − HH	4
35	63−8410	Washer	4
36	86−9170	Asm−Regulator Valve	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
46	3230−2	Screw − Carriage	2
47	95−5676	Fitting − Reducer	2
*	80−8600	Asm − Water Filter (Incl. Ref. #28−30 & 16)	1
*	80−9510	Wrench − Water Filter	1
*	86−9180	Regulator Repair Kit	1

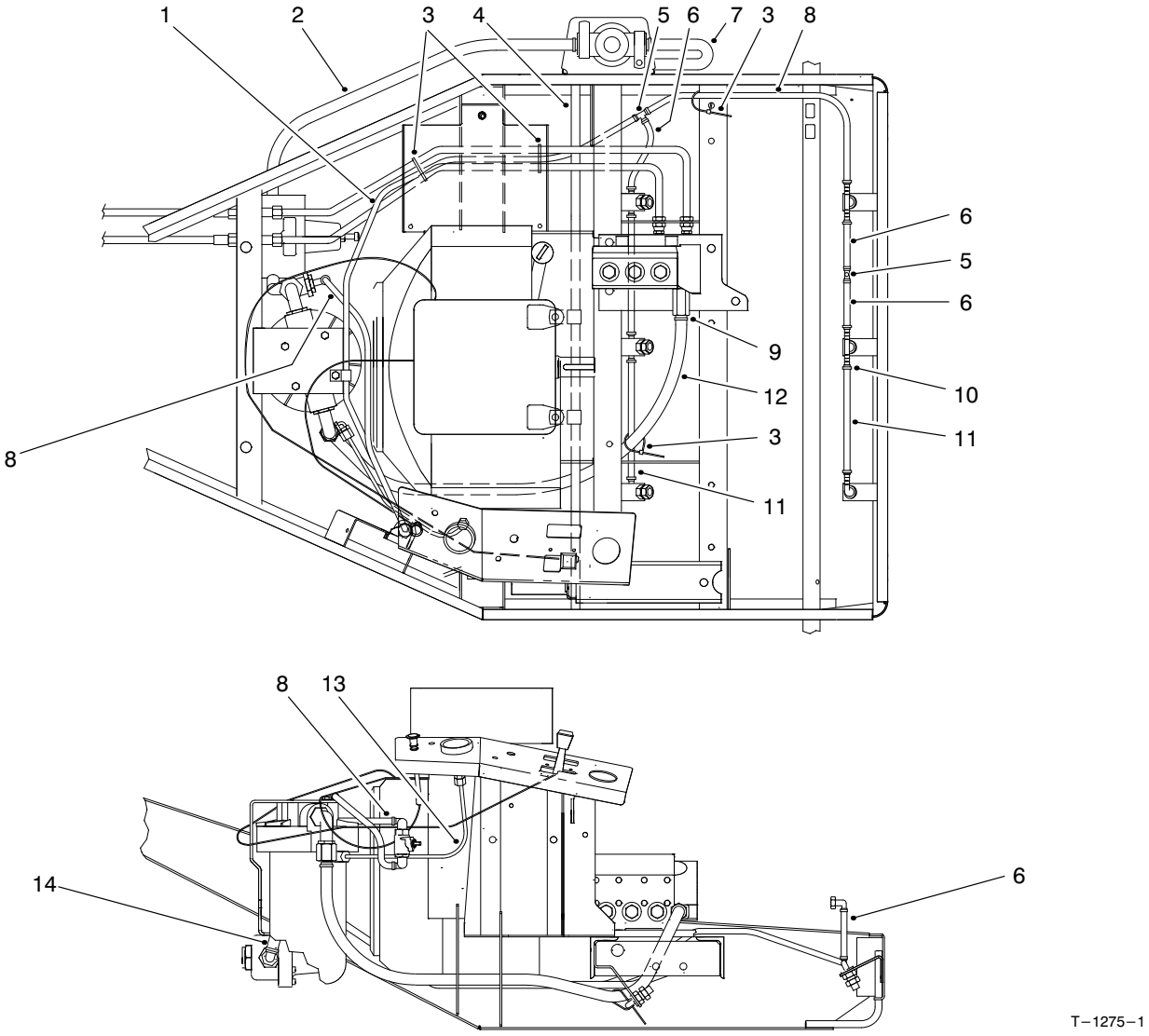
* Not Illustrated



WATER SYSTEM SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

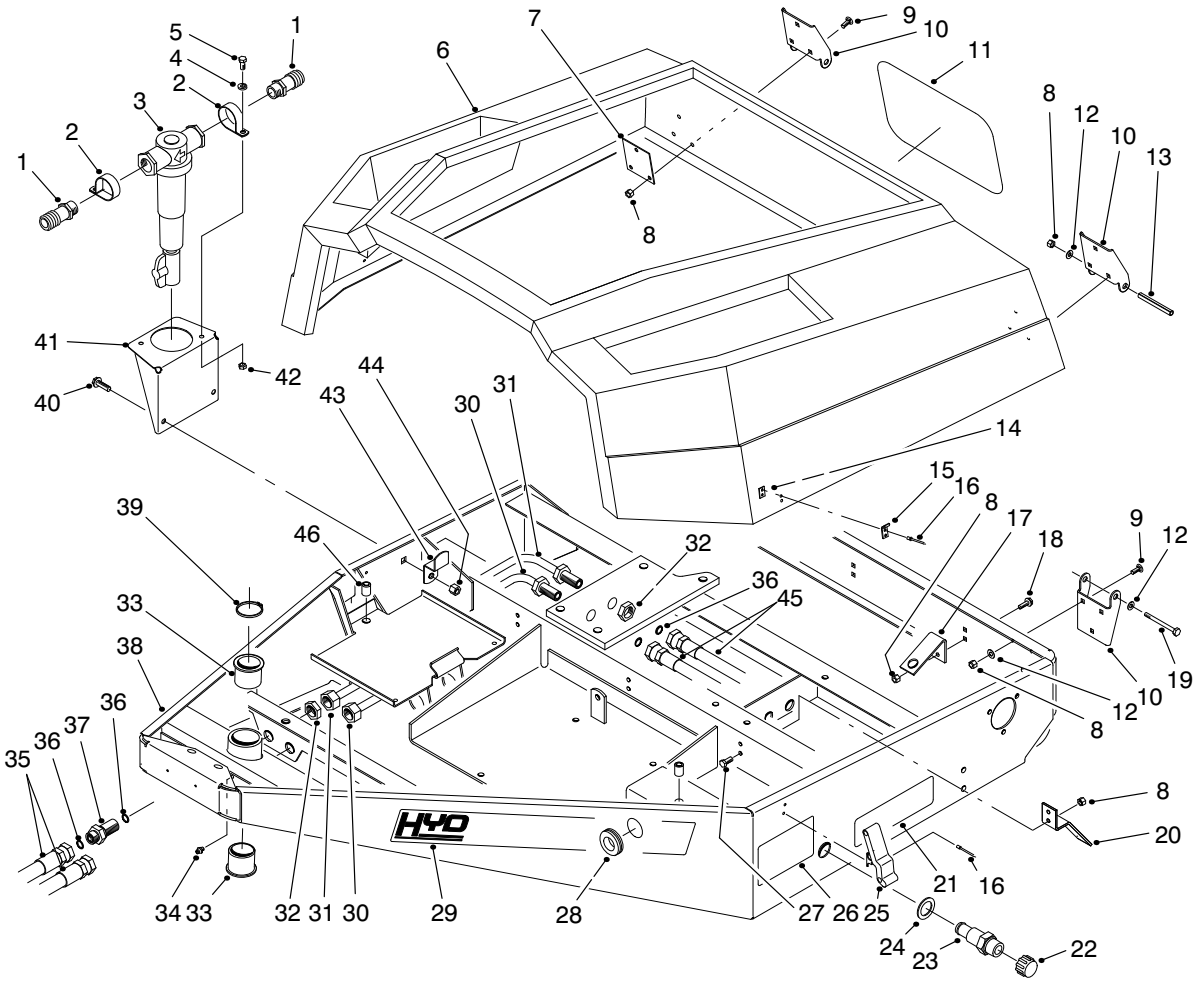


T−1275−1

WATER SYSTEM HOSE ROUTING DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	80−7344	Hose − Water	1
2	80−6510	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

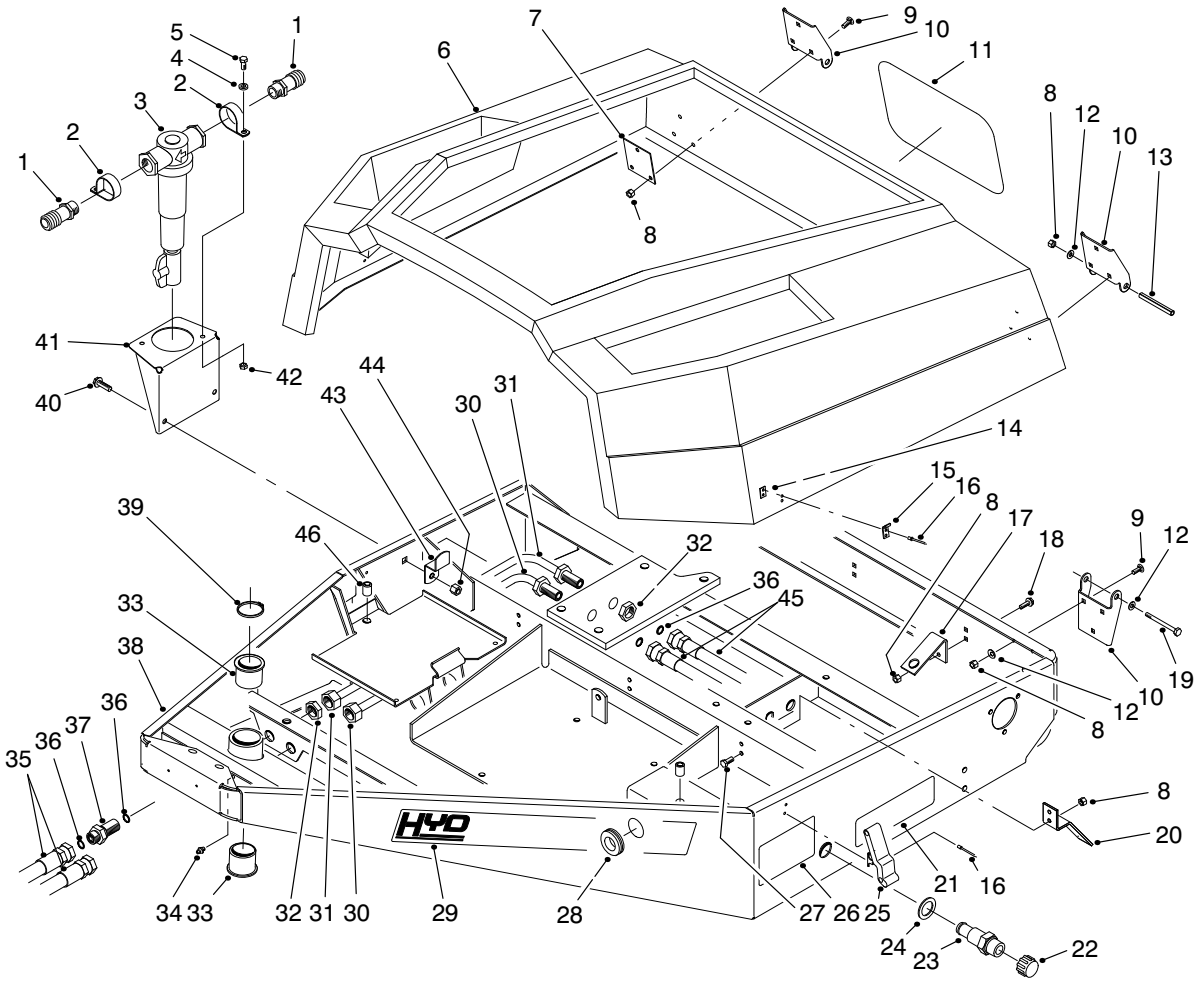
Ref. No.	Part No.	Description	No. Used
8	80−7346	Hose − Water	2
9	2412−129	Clamp − Hose 3/4”	8
10	2412−108	Clamp − Hose 3/8”	20
11	80−7340	Hose − Water	3
12	80−6517	Hose − Water	1
13	80−6520	Hose − Water	1
14	80−6514	Hose − Water	1



FRAME & COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354−98	Fitting − Adapter	2
2	2412−147	Clamp − R	2
3	86−9100	Asm−Pre−Filter	1
4	3256−23	Washer − Flat	2
5	322−3	Screw− HH	2
6	14−4179	Hood	1
7	80−9090	Plate − Back−Up	2
8	3296−42	Nut − Lock	26
9	3229−1	Bolt − Carriage	12
10	80−9080	Plate − Hinge	4
11	67−7310	Decal − TORO	1
12	3256−22	Washer − Flat	10
13	80−9310	Spacer − Hinge	2
14	80−9260	Plate − Back−Up	2
15		Keeper − Latch	2
16	3269−25	Rivet − Pop	8
17	80−9050	Bracket − Nozzle Rear	3
18	3234−4	Screw − HWH	6
19	321−28	Screw − HH	2
20	80−9060	Bracket − Nozzle Front	3
21	80−8090	Decal − Warning (English)	3
21	93−9365	Decal − Warning (Europe)	1
21	83−6050	Decal − Warning (Japan)	3
22	354−113	Cap − Pipe	1
23	80−9500	Adapter − Bulkhead	1

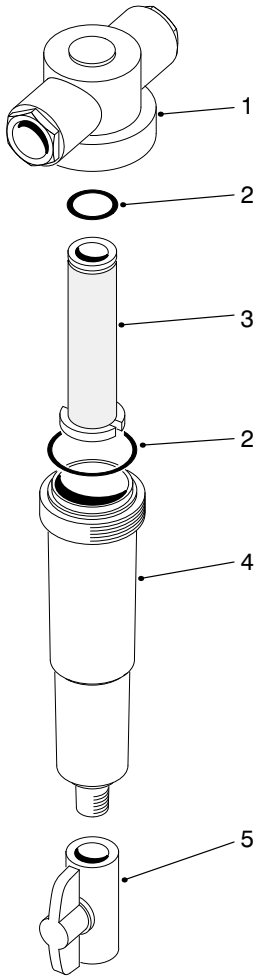
Ref. No.	Part No.	Description	No. Used
24	3256−24	Washer − Flat	2
25	80−6980	Asm−Latch (Incl. Ref. #15)	2
26	92−9542	Decal − Filter (English)	2
26	93−9372	Decal − Filter (Danish)	1
26	93−9373	Decal − Filter (Dutch)	1
26	93−9377	Decal − Filter (Finnish)	1
26	93−1656	Decal − Filter (French)	1
26	93−1654	Decal − Filter (German)	1
26	93−1563	Decal − Filter (Italian)	1
26	93−9379	Decal − Filter (Norwegian)	1
26	93−9380	Decal − Filter (Portuguese)	1
26	93−1655	Decal − Filter (Spanish)	1
26	93−1652	Decal − Filter (Swedish)	1
26	93−1651	Decal − Filter (Japan)	2
27	321−4	Screw − HH	6
28	240−3	Grommet	2
29	80−8050	Decal − Hydroject 3000	2
30	80−6640	Tube − Hydraulic (Incl. Ref. #36)	1
31	80−6630	Tube − Hydraulic (Incl. Ref. #36)	1
32	340−127	Nut − Bulkhead	4
33	256−245	Bushing − Flange	2
34	302−5	Fitting − Grease	1



FRAME & COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
35	80−7370	Hose − Hydraulic	2
36	237−30	O−Ring	6
37	340−161	Fitting − Hydraulic Bulkhead (Incl. Ref. #36)	2
38	86−8910	Asm−Frame (Incl. Ref. #21, 26, 29, 33, 34 & 46)	1
39	32151−44	Ring − Retaining	1

Ref. No.	Part No.	Description	No. Used
40	3234−24	Screw − HFH	2
41	86−9090	Bracket − Filter	1
42	3296−29	Nut − Lock	2
43	80−8580	Guard − Belt	1
44	3296−39	Nut − Lock	2
45	80−7330	Hose − Hydraulic	2
46	32148−9	Nut − Insert	3

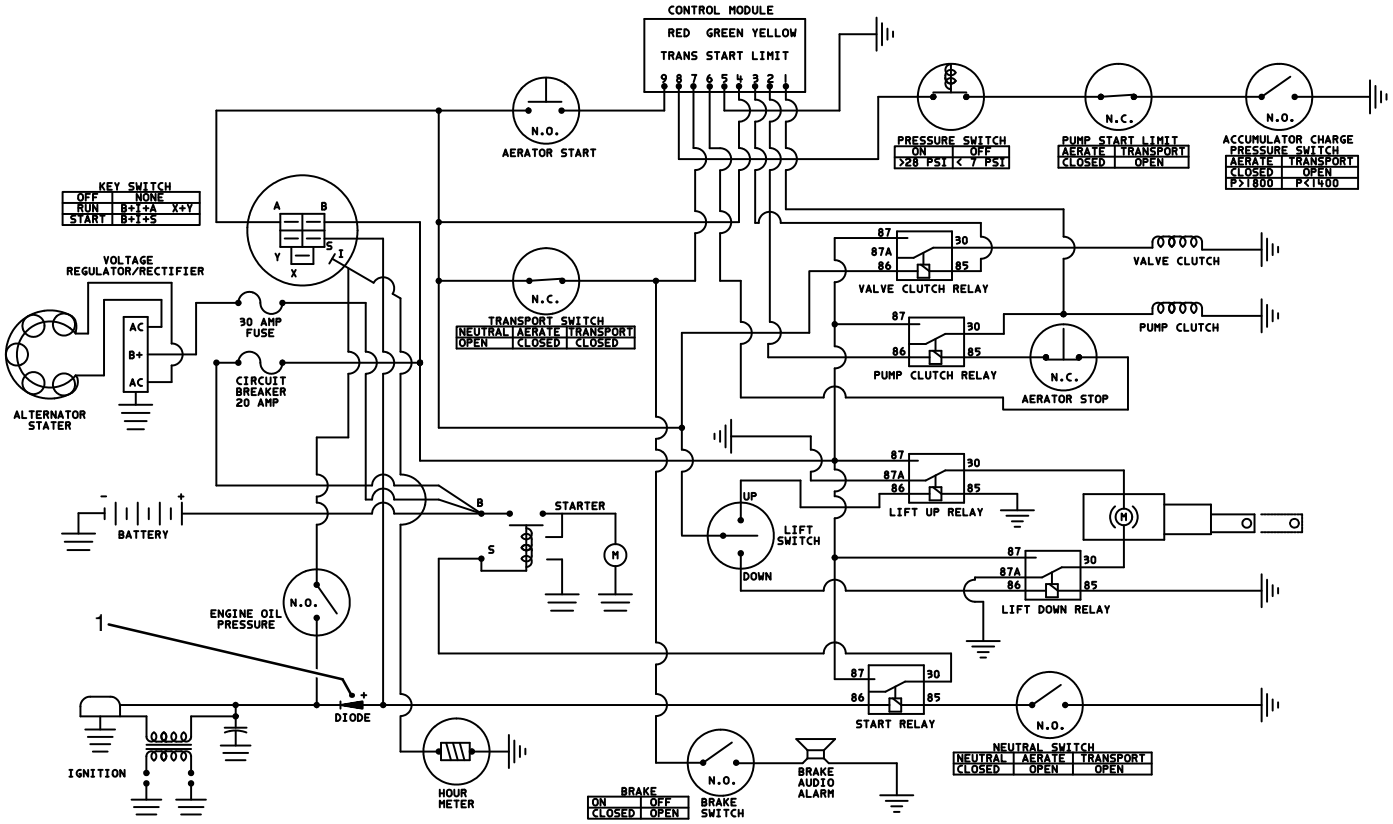


T−1916−1

PRE−FILTER ASSEMBLY NO. 86−9100

Ref. No.	Part No.	Description	No. Used
1	86−9110	Head	1
2	86−9150	Kit − O−Ring Seal	1
3	86−9140	Screen − 100 Mesh	1

Ref. No.	Part No.	Description	No. Used
4	86−9120	Trapper − Sediment	1
5	86−9130	Valve − Flush	1

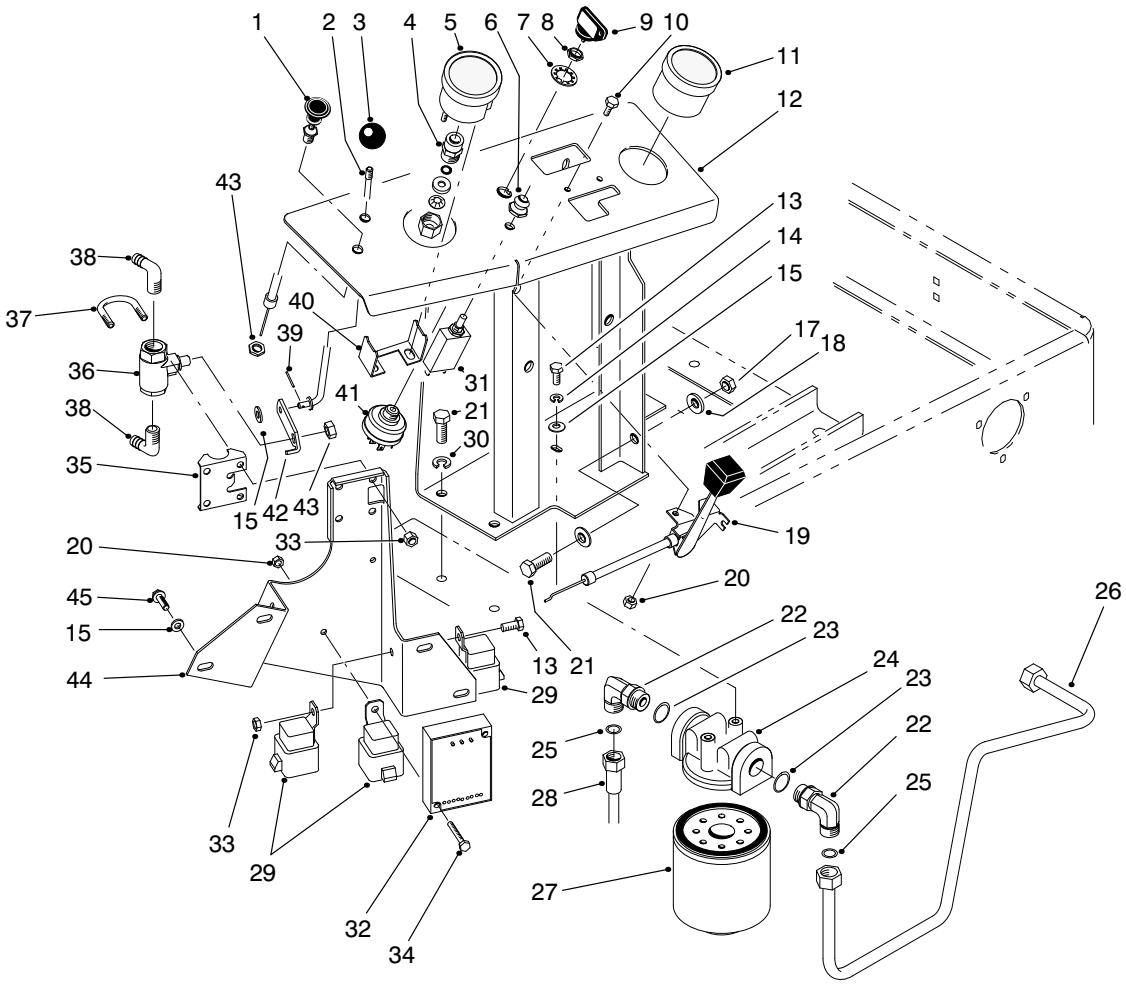


T−1237−1

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
*	86−8920	Wire Harness − Tiller	1
*	86−8930	Wire Harness − Control Panel	1
*	3290−378	Tie − Cable	5
*	3290−379	Tie − Cable	4

* Not Illustrated

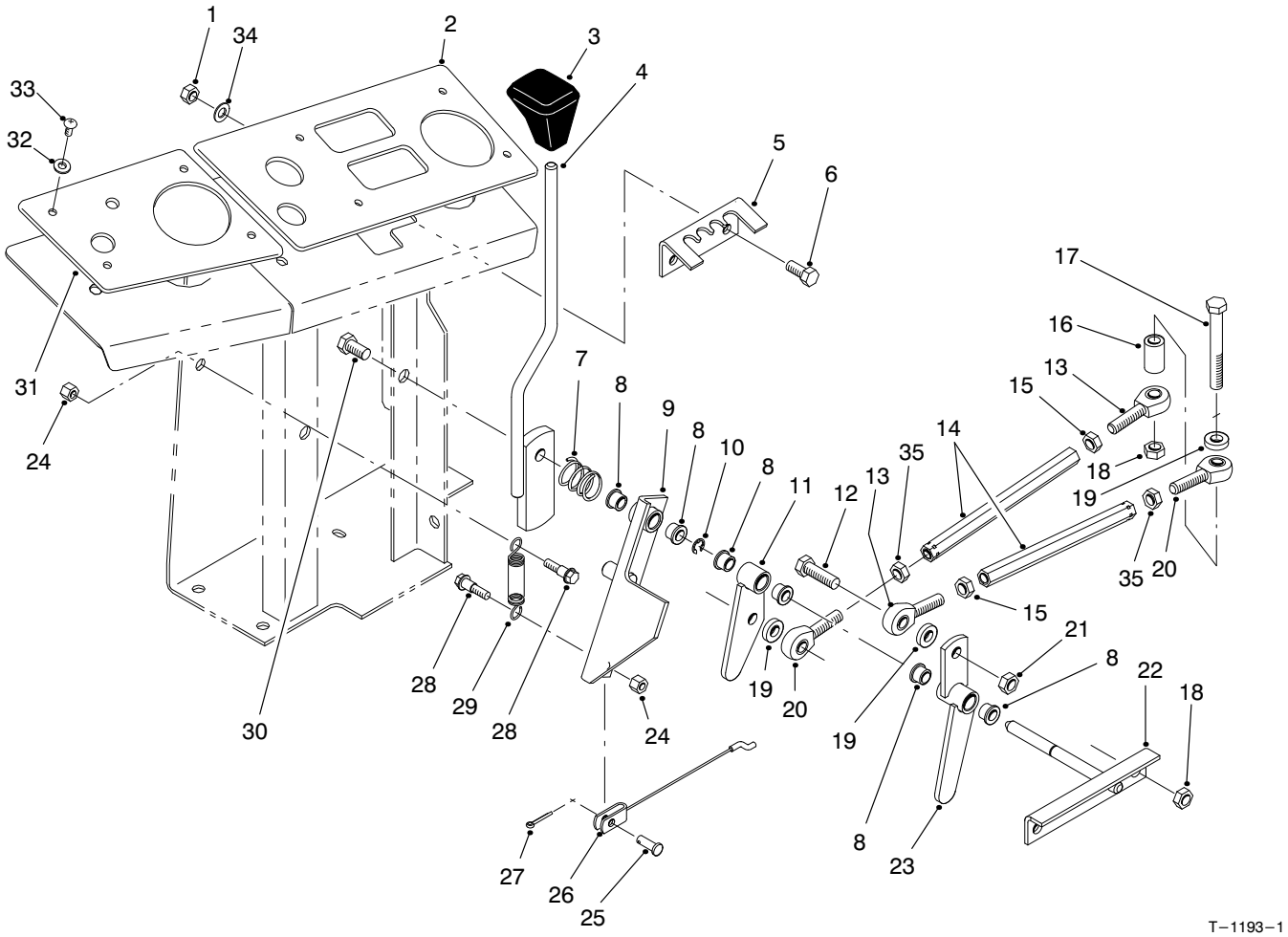


T−1203−1

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80−7270	Asm−Choke Control (Incl. Ref. #43)	1
2	80−8280	Rod − Control	1
3	233−17	Knob	1
4	354−102	Asm−Hydraulic Fitting (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 − HH	2
11	66−2950	Hourmeter	1
12	80−7900	Panel − Control	1
13	321−3	Screw − HH	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 − HH	3
22	340−98	Fitting − Hydraulic 90˚ (Incl. Ref. #23 & 25)	2
23	237−79	O−Ring	2

Ref. No.	Part No.	Description	No. Used
24	86−9080	Head − Oil Filter	1
25	237−30	O−Ring	2
26	80−9830	Tube − Hydraulic	1
27	67−8110	Element − Oil Filter	1
28	80−7350	Hose − Hydraulic	1
29	70−1480	Relay	5
30	3253−21	Washer − Lock	2
31	80−7310	Breaker − Circuit (Incl. Ref. #6)	1
32	86−9060	Control − Electric	1
33	3296−42	Nut − Lock	6
34	32105−5	Screw − HH	2
35	80−8890	Mount − Valve	1
36	14−5259	Asm−Valve (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	93−1691	Lever − Valve	1
43	3220−2	Nut − Lock	2
44	80−9550	Bracket − Relay	1
45	32104−95	Screw − HFH	4



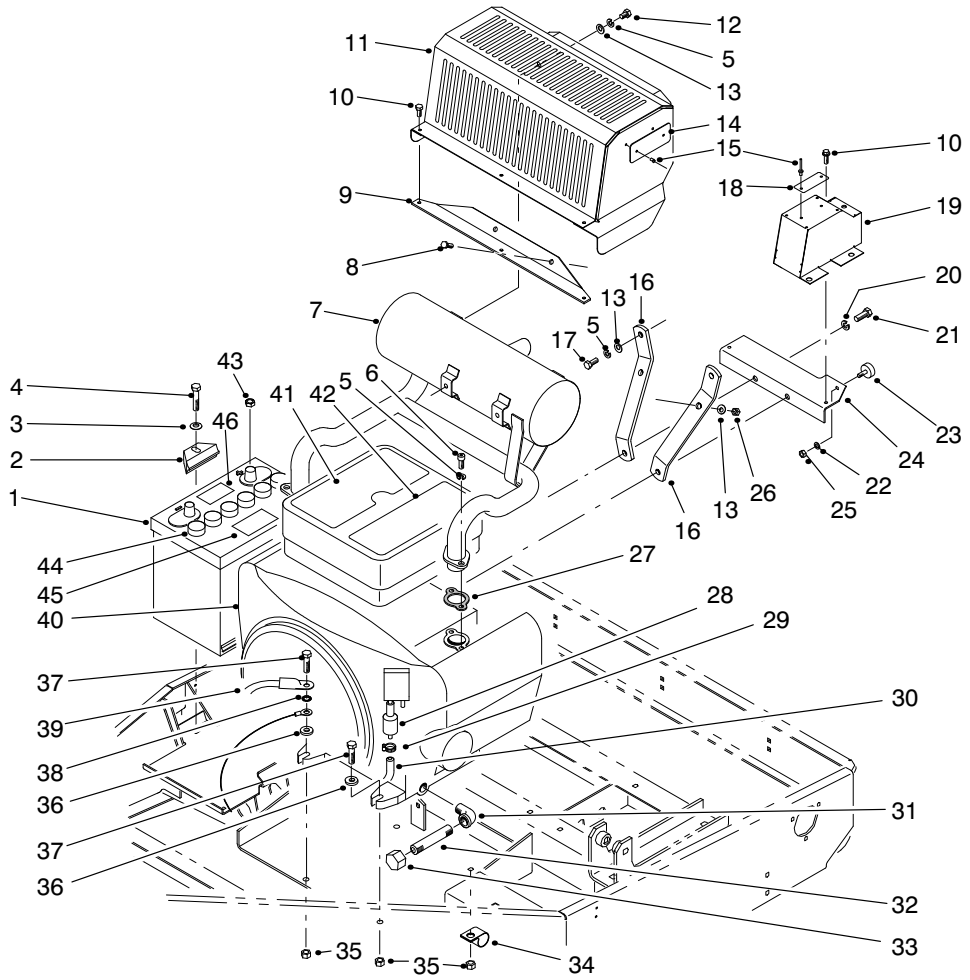
T−1193−1

CONTROL LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296−29	Nut − Lock	2
2	80−8110	Panel − Engine Control (English)	1
2	80−9530	Plate − Panel (Europe)	1
2	93−9364	Decal − Engine Control (Europe)	1
2	80−9530	Plate − Panel (Japan)	1
2	83−6100	Decal − Engine Control (Japan)	1
3	65−8970	Knob	1
4	80−8400	Lever − Speed Control	1
5	80−7670	Plate − Speed Control	1
6	322−3	Screw − HH	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 − HH	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 − HH	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 − HH	2
31	80−8150	Panel − Control (English)	1
31	93−9362	Panel − Control (Europe)	1
31	83−6080	Panel − Control (Japan)	1
32	3256−14	Washer − Flat	8
33	32104−60	Screw − HWH	8
33	3269−32	Rivet − Pop (Japan)	6
34	3256−23	Washer − Flat	2
35	3219−20	Nut − Hex. (L.H. Thread)	2

20



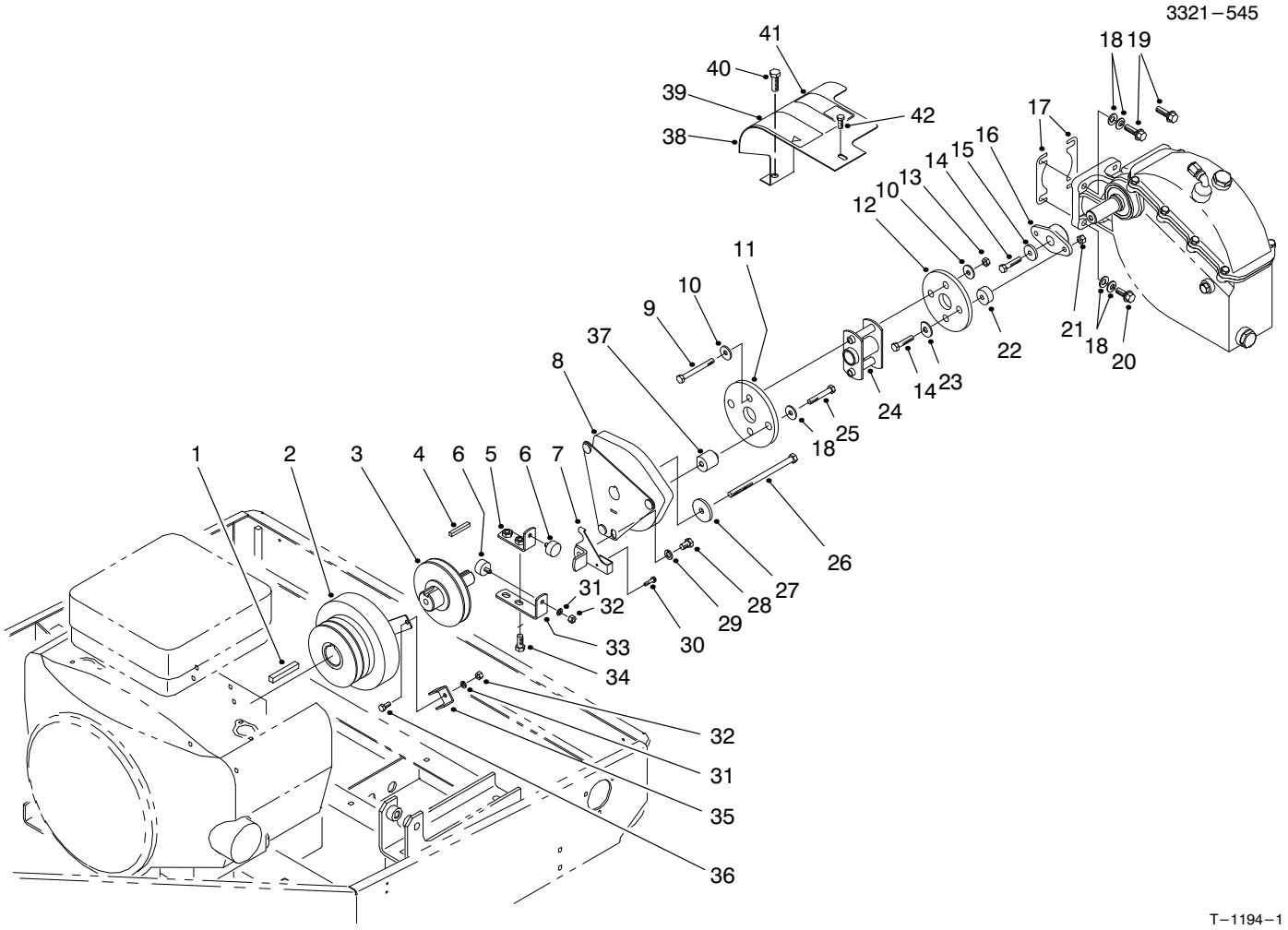
T−1192−1

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80−6791	Battery	1
2	66−2490	Clamp − Battery	1
3	3256−24	Washer − Flat	3
4	323−9	Screw − HH	1
5	3253−4	Washer − Lock	8
6	3274−10	Screw − HSH	4
7	80−5650	Muffler	1
8	322−4	Screw − HH	2
9	80−9150	Support − Muffler Shield	1
10	32144−114	Screw − HH.	5
11	14−5229	Guard − Muffler (Incl. Ref. #14 & 15)	1
12	322−1	Screw − HH	2
13	3256−23	Washer − Flat	6
14	80−8290	Plate − Hot Surface (English)	3
14	83−6130	Plate − Hot Surface (Japan)	3
15	3269−32	Rivet − Pop	10
16	80−7680	Support − Muffler	2
17	322−3	Screw − HH	2
18	80−9350	Plate − Hot Surface (English)	2
18	83−6140	Plate − Hot Surface (Japan)	2
19	14−5239	Guard − Muffler L.H. (Incl. Ref. #15 & 18)	1
*	14−5249	Guard − Muffler R.H. (Incl. Ref. #15 & 18)	1
20	3253−21	Washer − Lock	2
21	323−6	Screw − HH	2
22	3253−3	Washer − Lock	1
23	240−14	Bumper − Rubber	1

Ref. No.	Part No.	Description	No. Used
24	80−7700	Bracket − Support	1
25	3217−5	Nut	1
26	32152−1	Nut − Lock	2
27	82−1520	Gasket − Muffler	2
28	71−5960	Filter − Fuel	1
29	2412−108	Clamp − Hose	1
30	56−2241	Hose − Fuel	1
31	2811−10	Fitting − Drain 90°	1
32	289−48	Nipple − Drain	1
33	288−4	Cap − Drain	1
34	2412−126	Clamp − R	2
35	32128−21	Nut − Flange Lock	4
36	52−5980	Spacer	2
37	323−19	Screw − HH	4
38	3255−9	Washer − E.T.L.W.	1
39	86−8470	Cable − Battery (Neg.)	1
*	86−8480	Cable − Battery (Pos.)	1
40	86−8990	Asm−Engine Model No. P224G Spec. G (Incl. Ref. #28)	1
41	80−9940	Decal − Service Check	1
41	93−9358	Decal − Service (Europe)	1
42	80−9950	Decal − Quick Reference	1
42	93−9359	Decal − Reference (Europe)	1
43	32149−10	Nut − Lock	2
44	86−8460	Cap − Battery	6
45	93−7276	Decal − Danger (Europe)	1
46	93−6668	Decal − Battery (Europe)	1

* Not Illustrated

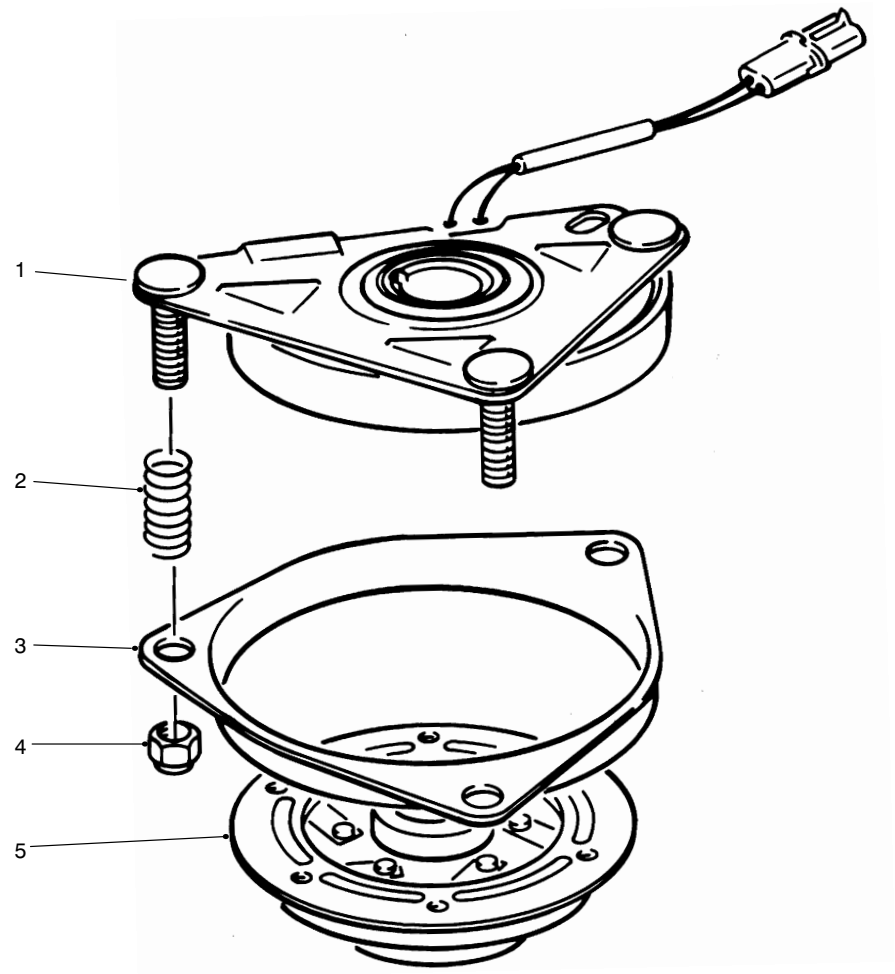


GEAR BOX DRIVE ASSEMBLY

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	Asm−Electric Clutch	1
9	3210−14	Screw − HH	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 − HH	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
19	323−44	Screw − HWH	2
20	323−46	Screw − HWH	2

Ref. No.	Part No.	Description	No. Used
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 − HH	2
26	3211−38	Screw − HH	1
27	80−8560	Washer	1
28	323−2	Screw − HH	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 − HH	2
35	86−8680	Bracket − Clutch Retainer	2
36	321−3	Screw − HH	1
37	80−9920	Spacer − Coupler	2
38	14−5169	Shield − Drive (Incl. Ref. #39 & 41)	1
39	80−8000	Decal − Warning (English)	1
39	83−6070	Decal − Warning (Japan)	1
40	32144−67	Screw − HWH	1
41	80−8040	Decal − Warning (English)	1
41	93−7814	Decal − Warning (Europe)	1
41	83−6030	Decal − Warning (Japan)	1
42	32104−95	Screw − HWH	1

* Not Illustrated

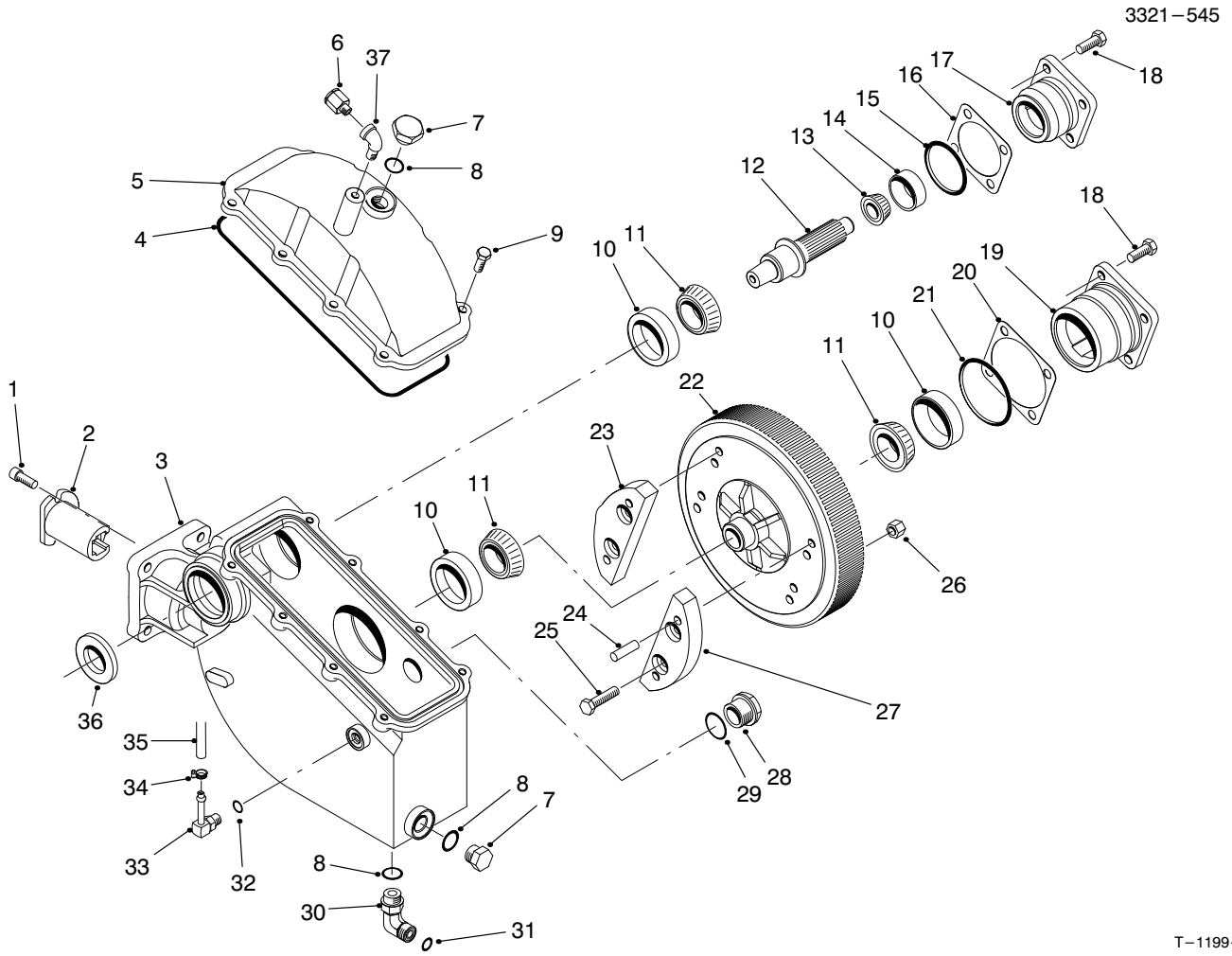


T−1274−1

ELECTRIC CLUTCH ASSEMBLY NO. 86−8160

Ref. No.	Part No.	Description	No. Used
1	67−7050	Asm−Field Rotor	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	Asm−Armature & Hub	1

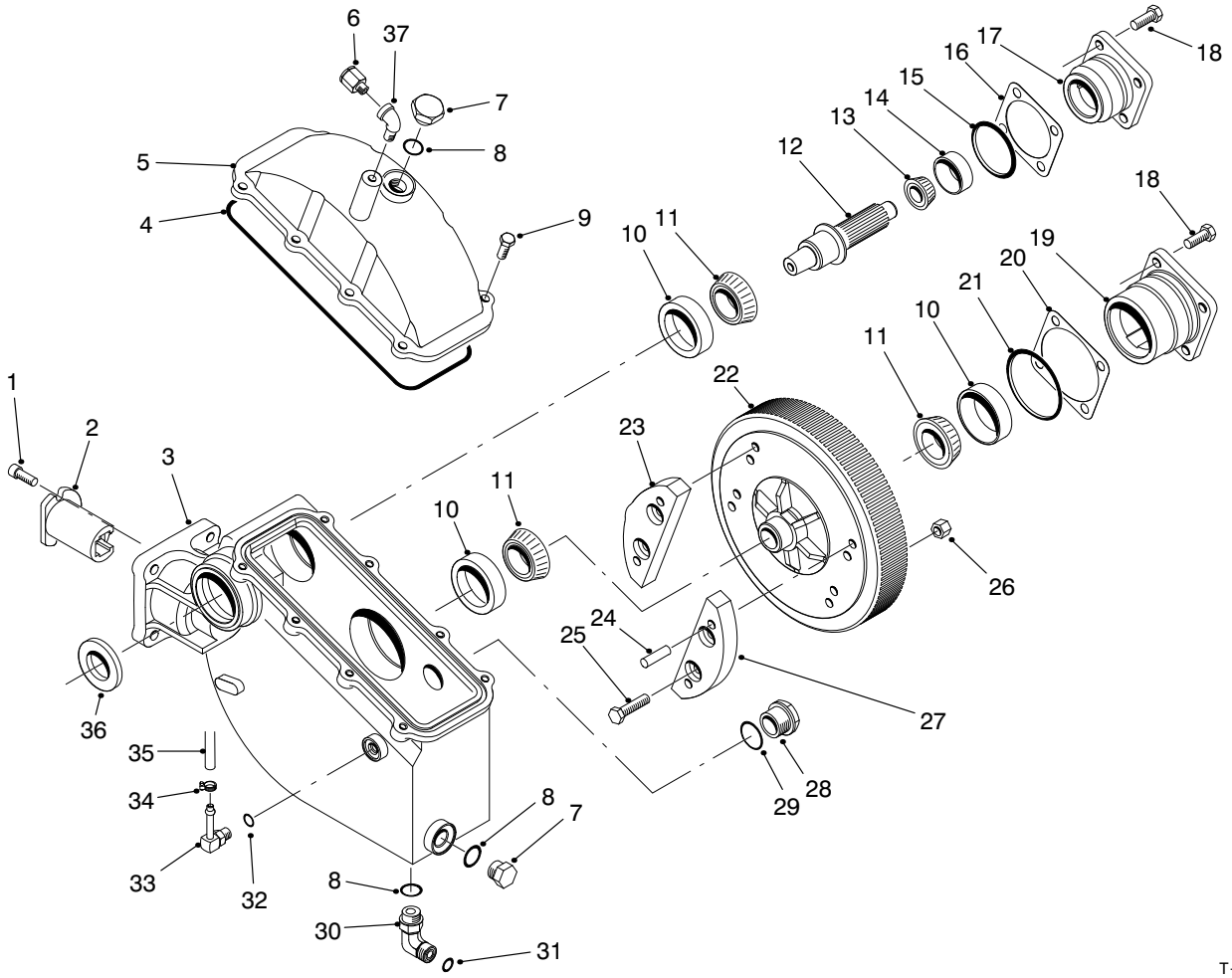


GEARBOX ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3274−10	Screw − Socket Hd.	2
2	80−5330	Sleeve − Follower	1
3	80−5240	Housing − Gear Box	1
4	237−171	Seal − Cover	1
5	80−5260	Cover − Gear Box	1
6	80−7020	Fitting − Breather	1
7	353−550	Fitting − Plug (Incl. Ref. #8)	2
8	237−79	O−Ring	3
9	322−4	Screw − HH	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	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 − HH	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	O−Ring	1
22	80−5280	Gear	1
23	80−8500	Cam	1
24	32121−42	Pin − Roll	4
25	323−52	Screw − HH	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	O−Ring	1
30	340−98	Fitting − Hydraulic 90˚ (Incl. Ref. #8 & 31)	1
31	237−30	O−Ring	1
32	237−78	O−Ring	1
33	304−99	Fitting − 90˚ Elbow (Incl. Ref. #32)	1
34	2412−108	Clamp − Hose	1

* Not Illustrated



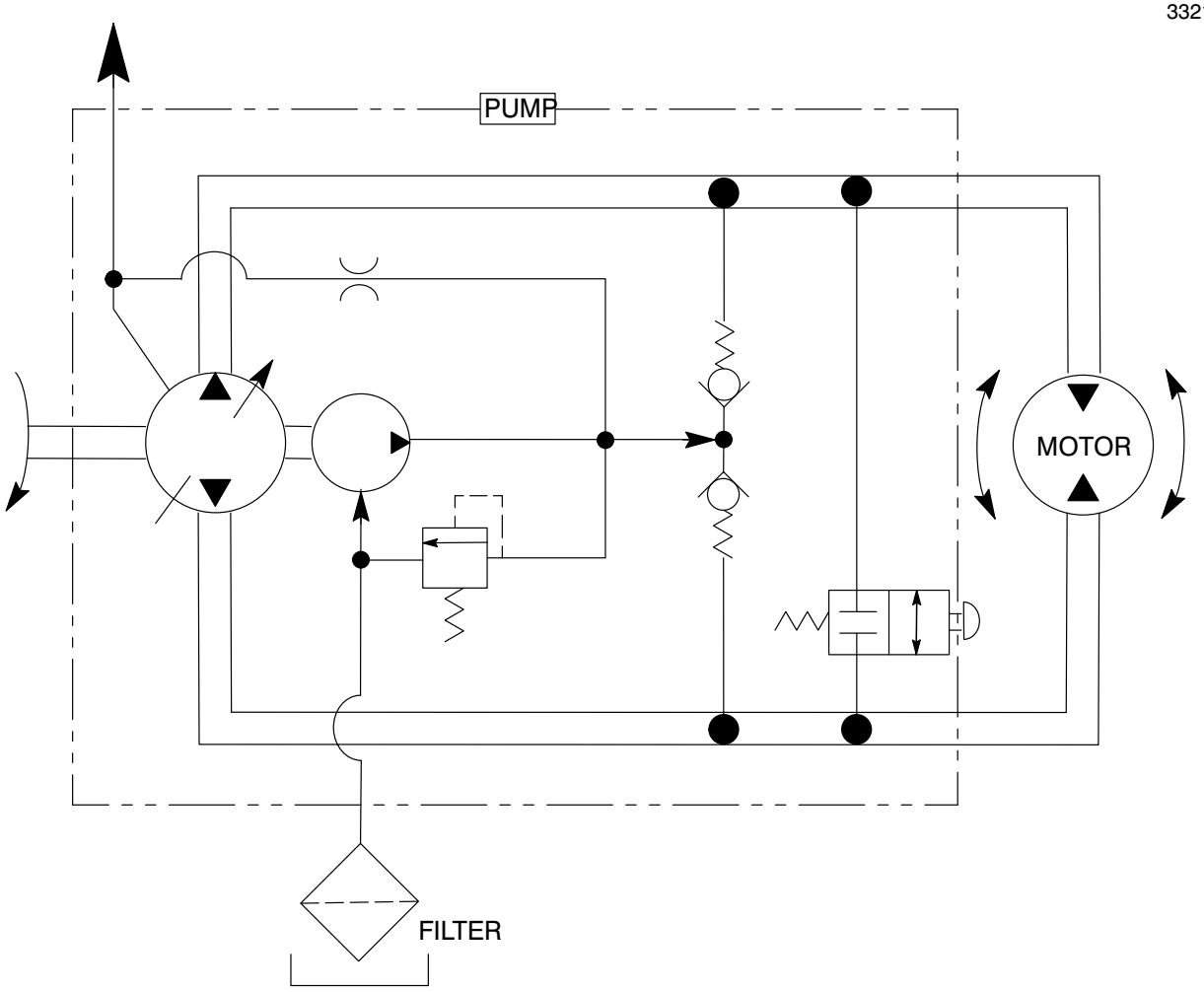
T−1199−1

GEARBOX ASSEMBLY (Continued)

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

Ref. No.	Part No.	Description	No. Used
37	2811−7	Fitting − Breather 90˚	1

* Not Illustrated



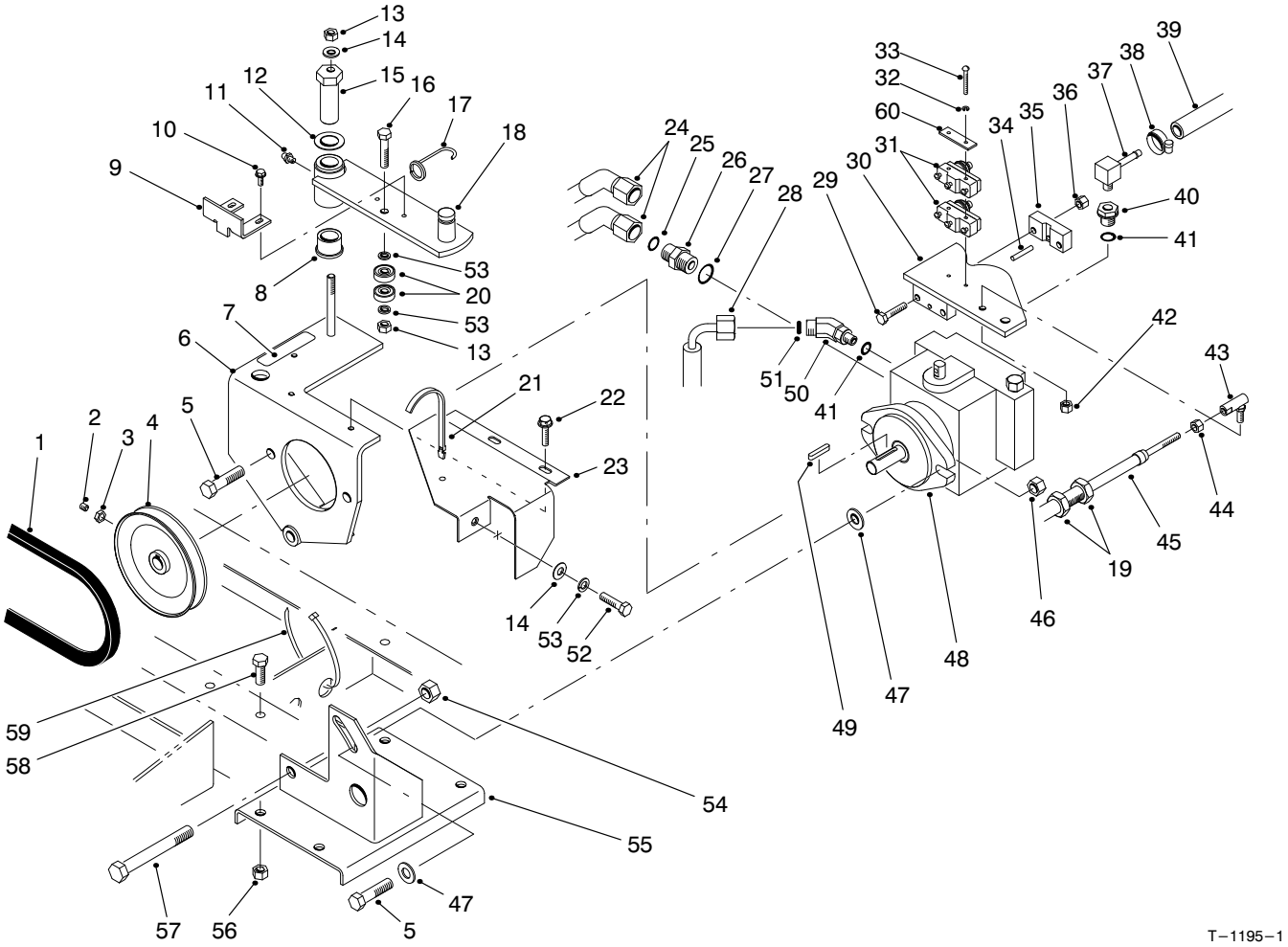
T–1273–1

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

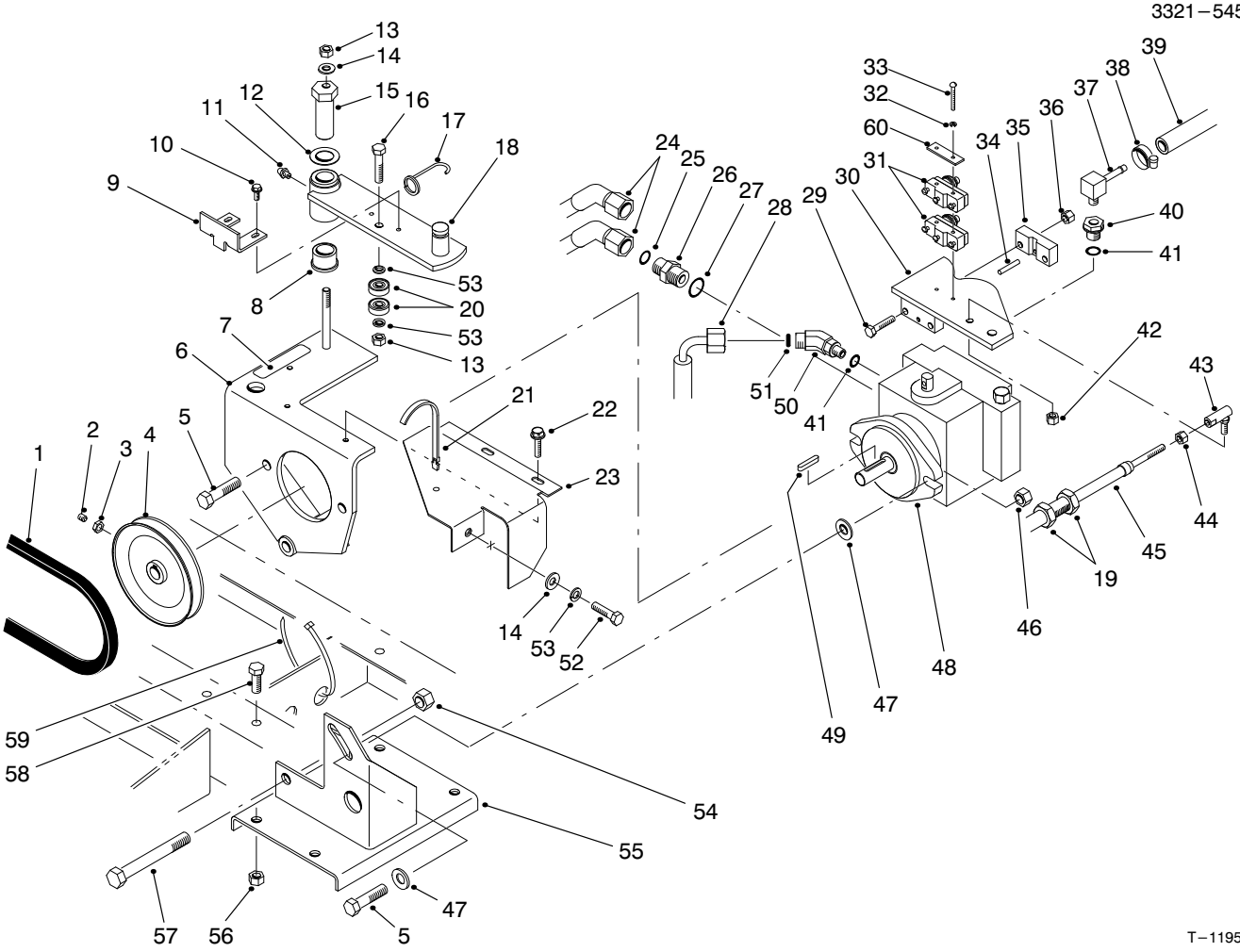
3321−545



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 − HH	2
6	14−5209	Mount − Pump (Incl. Ref. #7)	1
7	80−8760	Decal − Danger (English)	1
7	93−9370	Decal − Danger (Europe)	1
7	83−6040	Decal − Danger (Japan)	1
8	256−113	Bushing − Flange	2
9	80−7770	Tab − Switch	1
10	32104−60	Screw − HWH	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 − HH	1
17	80−6610	Spring − Extension	1
18	80−7630	Asm−Neutral Lever	1
19	3220−6	Nut − Jam	2
20	251−259	Bearing − Ball	2
21	3290−410	Tie − Cable	1
22	32104−95	Screw − HWH	2
23	80−9170	Bracket − Pulley Guard	1
24	80−7330	Hose − Hydraulic	2

Ref. No.	Part No.	Description	No. Used
25	237−30	O−Ring	2
26	340−4	Fitting − Hydraulic Straight (Incl. Ref. #25 & 27)	2
27	237−79	O−Ring	2
28	80−7350	Hose − Hydraulic	1
29	321−10	Screw − HH	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	O−Ring	2
42	3296−3	Nut − Lock	1
43	2411−34	Joint − Ball	1
44	3220−1	Nut − Jam	1
45	80−7220	Asm−Stroke Control Cable (Incl. Ref. #19)	1
46	32128−37	Nut − Flange Lock	2
47	3256−25	Washer − Flat	2
48	80−5450	Asm−Hydraulic Pump	1

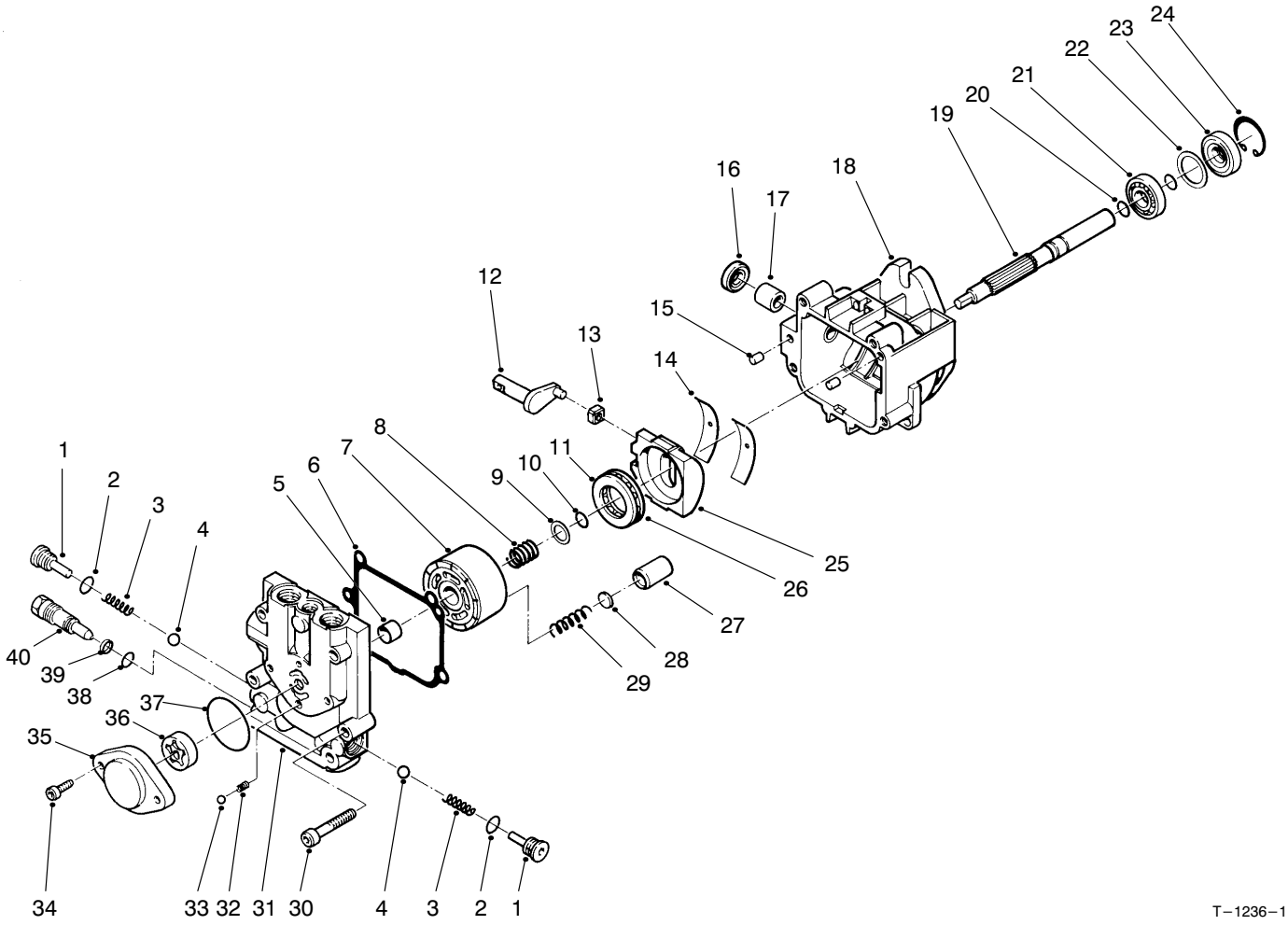


T−1195−1

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	O−Ring	1
52	322−5	Screw − HH	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 − HH	1
58	323−6	Screw − HH	4
59	3290−378	Tie − Cable	1
60	61−2990	Plate − Back Up	1

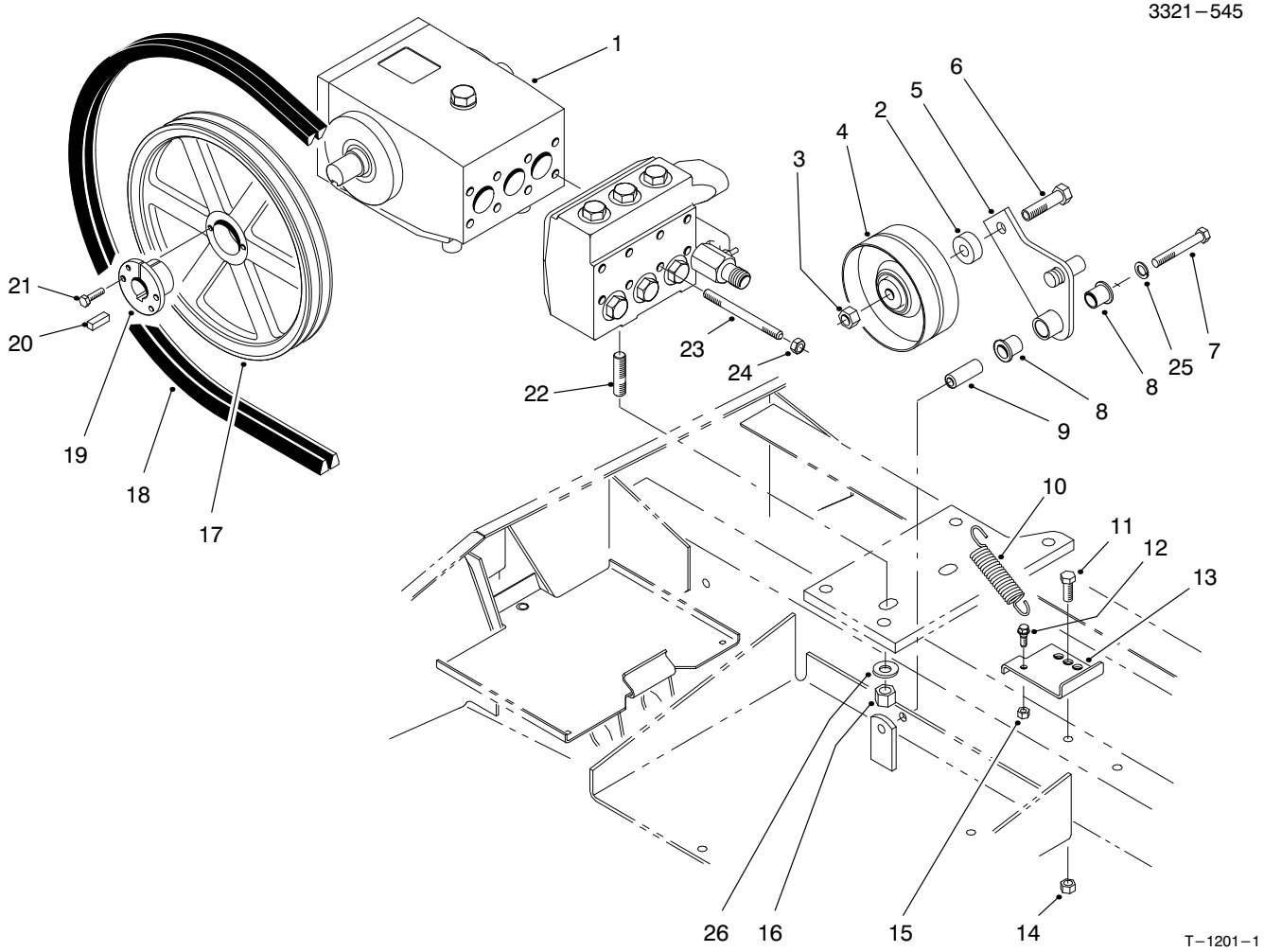


HYDRAULIC PUMP ASSEMBLY NO. 80−5450

Ref. No.	Part No.	Description	No. Used
1	80−6120	Kit−Check Valve (Incl. Ref. #2−4)	1
2		O−Ring	2
3		Spring	2
4		Ball	2
5		Journal − Bearing	1
6		Gasket − End Cap	1
7		Kit−Cylinder Block (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		Asm−Housing (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		Asm−Swashplate	1
26		Roller − Thrust	1
27		Piston	5
28		Washer − Thrust	5
29		Spring − Piston	5
30		Screw	4
31		Asm−End Cap (Incl. Ref. #5)	1
32		Ball	1
33		Spring	1
34		Screw	2
35		Housing − Charge Pump	1
36		Asm−Gerotor	1
37		O−Ring	1
38		O−Ring	1
39		Ring − Back−Up	1
40		Valve − Bypass	1
*	80−6110	Kit−Charge Relief Valve (Incl. Ref. #32−33)	1
*	80−6130	Kit−Overhaul Seal (Incl. Ref. #6, 10, 16, 20, 23 & 37−39)	1

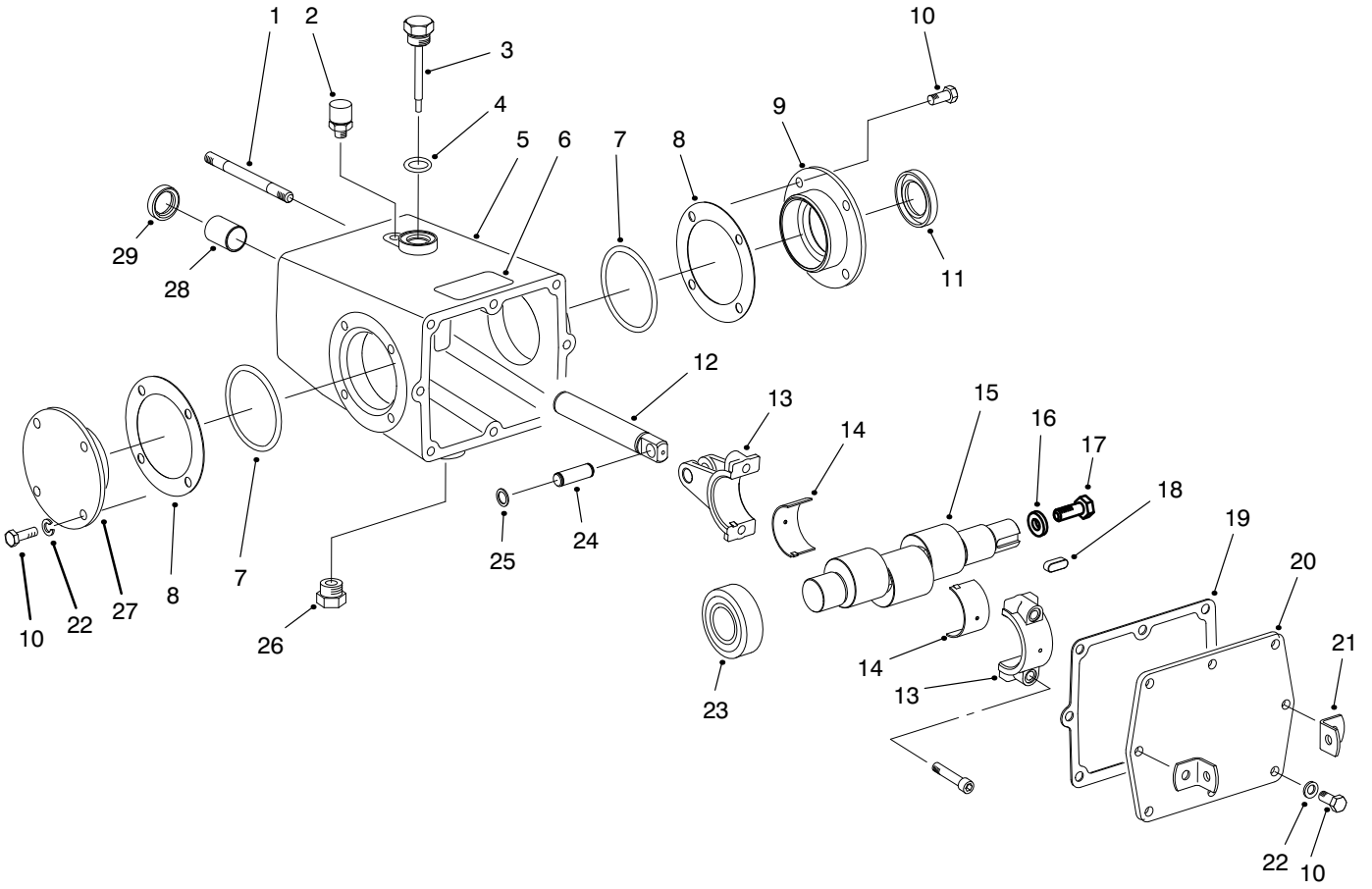
* Not Illustrated



WATER PUMP INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	86−8900	Asm−Water Pump Crankcase (Incl. Ref. #23)	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 − HH	1
7	323−12	Screw − HH	1
8	80−9610	Bushing − Flange	2
9	80−7710	Sleeve − Idler Bracket	1
10	80−6620	Spring − Extension	1
11	323−6	Screw − HH	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. #21)	1
20	80−5920	Key − Collar	1
21	321−4	Screw − HH	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

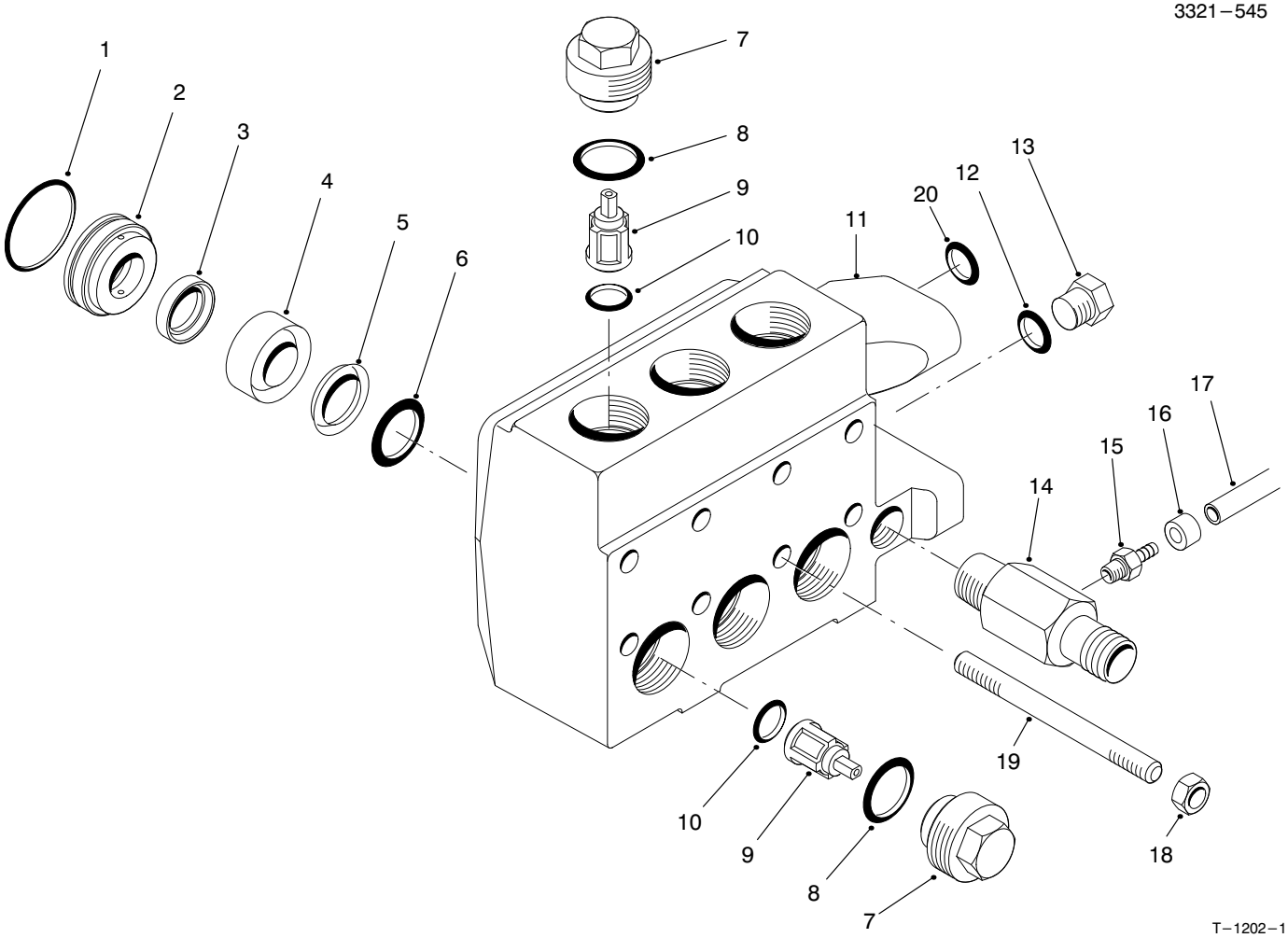


WATER PUMP CRANKCASE ASSEMBLY NO. 86−8900

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	O−Ring	1
5	86−8810	Crankcase	1
6	80−9450	Decal − Pump	1
6	93−9360	Decal − Pump (Europe)	1
7	237−25	O−Ring	2
8	86−8720	Shim − .002” Red	A/R
*	86−8721	Shim − .005” Blue	A/R
*	86−8722	Shim − .015” Pink	A/R
*	86−8723	Shim − .020” Yellow	A/R
9	86−8580	Flange − Crankcase	1
10	322−3	Screw − HH	16
11	86−8760	Seal	1
12	86−8820	Rod − Plunger	3
13	86−8380	Rod − Connecting	3

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

* Not Illustrated

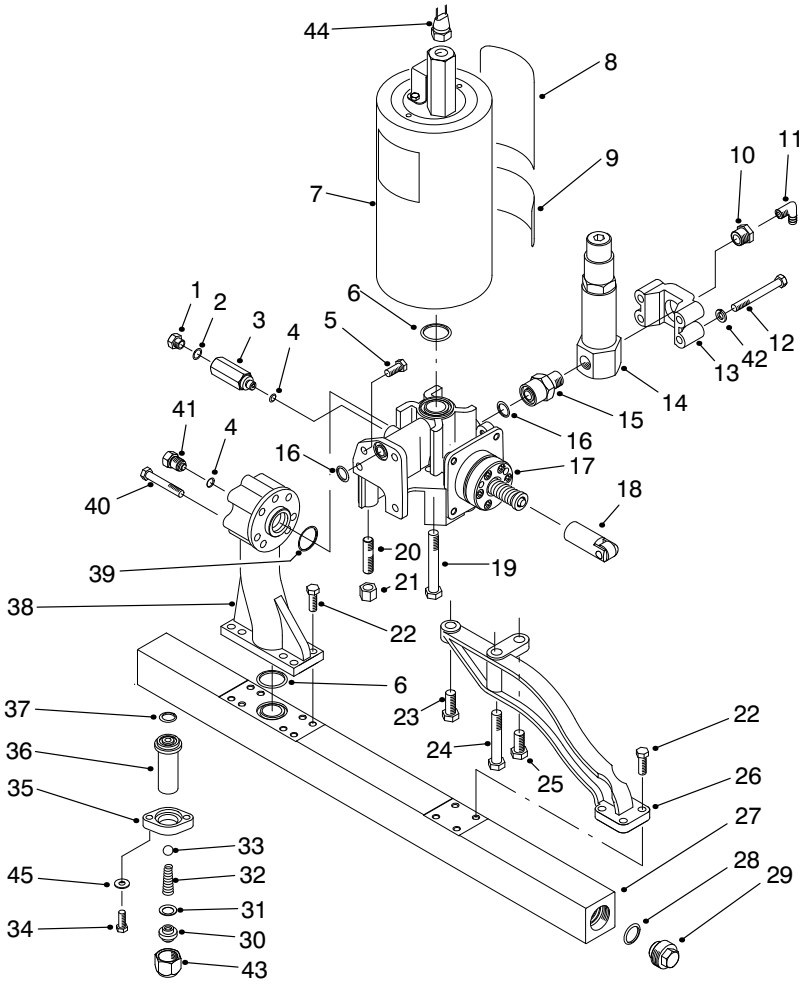


WATER PUMP HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237−170	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	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	O−Ring	1

Ref. No.	Part No.	Description	No. Used
13	354−82	Asm−Plug	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	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



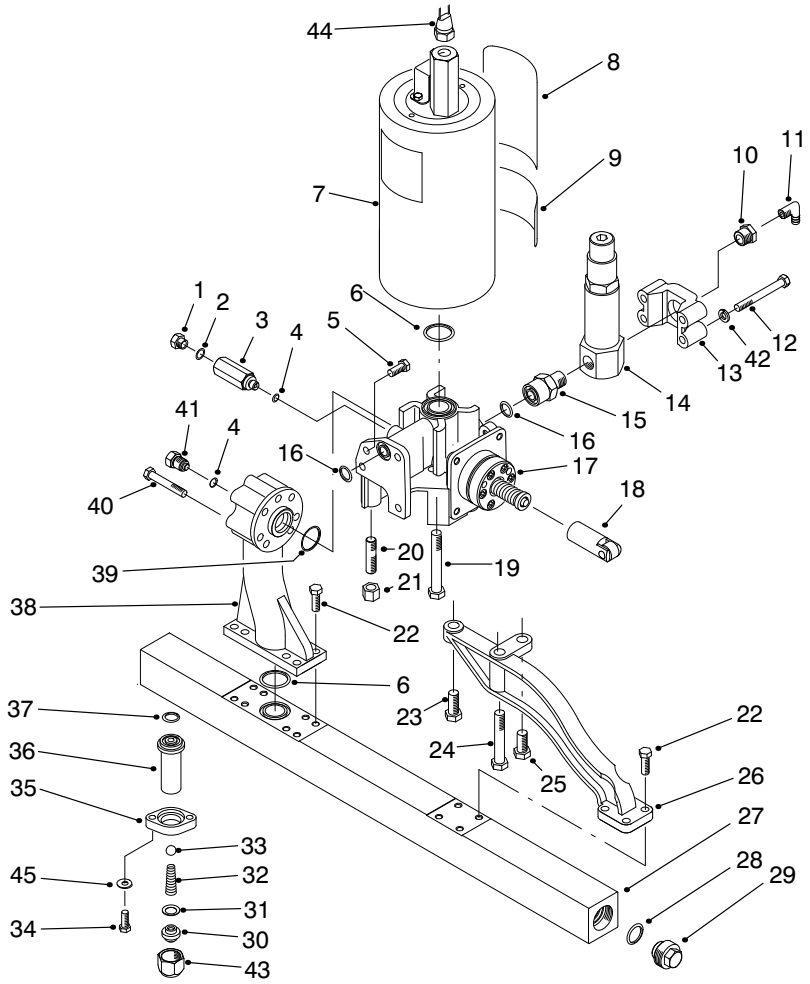
T−1200−1

WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354−82	Plug	1
2	80−5794	O−Ring	1
3	80−9980	Fitting − Extension	1
4	80−5793	O−Ring	2
5	323−6	Screw − HH	4
6	80−5784	O−Ring	2
7	93−1667	Asm−Accumulator (Incl. Ref. #6, 8, 9, & 19)	1
8	80−8030	Decal − Danger (English)	2
8	93−9383	Decal − Danger (Danish)	1
8	93−9384	Decal − Danger (Dutch)	1
8	93−9385	Decal − Danger (Finnish)	1
8	83−6170	Decal − Danger (French)	1
8	83−5800	Decal − Danger (German)	1
8	83−5590	Decal − Danger (Italian)	1
8	93−9386	Decal − Danger (Norwegian)	1
8	93−9387	Decal − Danger (Portuguese)	1
8	83−5910	Decal − Danger (Spanish)	1
8	83−5440	Decal − Danger (Swedish)	1
9	80−8880	Decal − Warning (English)	2
9	93−9361	Decal − Warning (Europe)	1
9	83−6110	Decal − Warning (Japan)	1
10	354−92	Fitting − Reducer	1
11	354−93	Fitting − 90˚ Elbow	1
12	323−17	Screw − HH	4
13	80−9890	Clamp − Valve	1

Ref. No.	Part No.	Description	No. Used
14	80−7070	Asm−Relief Valve	1
15	80−9900	Fitting − Valve	1
16	80−5782	O−Ring	2
17	14−7449	Asm−Valve (Incl. Ref. #20)	1
18	80−5580	Follower − Cam	1
19	324−26	Screw − HH	4
20	80−8680	Stud	2
21	3296−19	Nut − Lock	2
22	323−5	Screw − HH	12
23	325−5	Screw − HH	1
24	325−12	Screw − HH	1
25	325−4	Screw − HH	1
26	80−5080	Support − Manifold	1
27	80−5380	Manifold	1
28	80−5791	O−Ring	2
29	80−8220	Plug	2
30	86−8131	Nozzle (#53) (Std.)	11
*†	86−8133	Nozzle (#46) (Opt.)	6
*†	86−8130	Nozzle (#56) (Opt.)	6
31	86−8150	Washer	11
32	80−9710	Spring − Conical	11
33	255−12	Ball − Check	11
34	86−8610	Screw − HFH	22
35	80−9800	Flange − Nozzle	11
36	86−8110	Extension − Nozzle	11

* Not Illustrated
† Refer to Product Operators Manual.



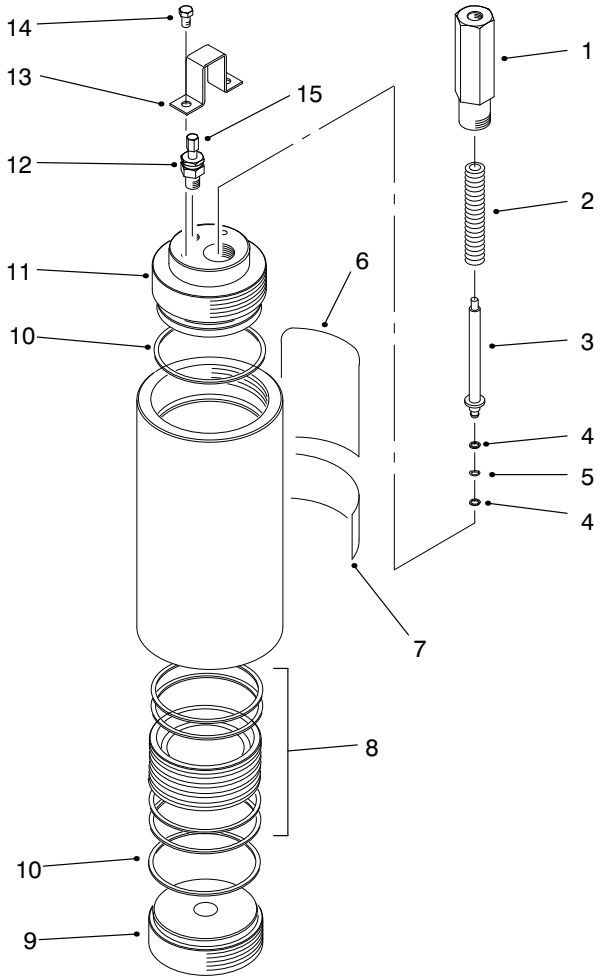
T−1200−1

WATER MANIFOLD & VALVE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
37	80−5786	O−Ring	11
38	80−8210	Feeder − Manifold	1
39	80−5780	O−Ring	1
40	323−13	Screw − HH	7
41	80−8230	Plug	1

Ref. No.	Part No.	Description	No. Used
42	3253−21	Washer − Lock	4
43	86−8140	Retainer − Nozzle	11
44	72−4320	Switch − Ball	1
45	3256−2	Washer − Flat	22

* Not Illustrated

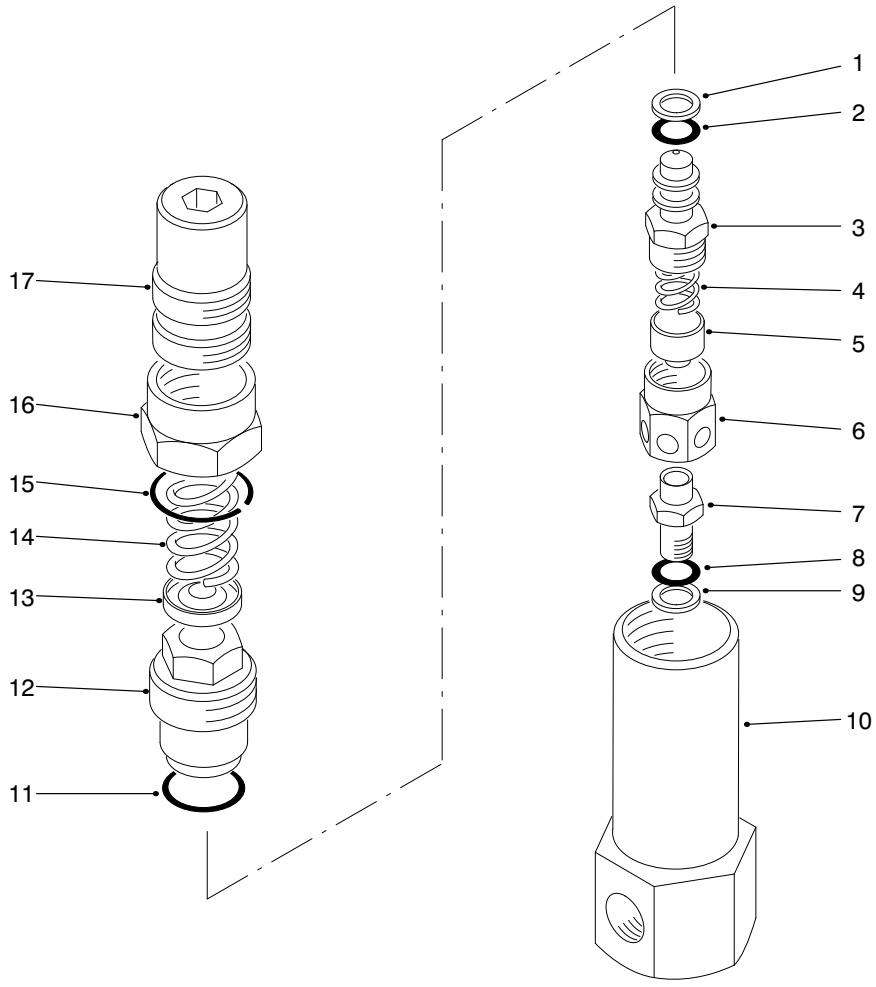


T−2040−1

ACCUMULATOR ASSEMBLY NO. 93−1667†

Ref. No.	Part No.	Description	No. Used
1	92−9531	Retainer − Plunger	1
2	92−9532	Spring − Compression	1
3	92−9530	Plunger − Switch	1
4	92−9536	Ring − Backup	2
5	92−9535	O−Ring	1
6	80−8030	Decal − Danger	2
6	93−9383	Decal − Danger (Danish)	1
6	93−9384	Decal − Danger (Dutch)	1
6	93−9385	Decal − Danger (Finnish)	1
6	83−6170	Decal − Danger (French)	1
6	83−5800	Decal − Danger (German)	1
6	83−5590	Decal − Danger (Italian)	1
6	93−9386	Decal − Danger (Norwegian)	1
6	93−9387	Decal − Danger (Portuguese)	1
6	83−5910	Decal − Danger (Spanish)	1
6	83−5440	Decal − Danger (Swedish)	1
6	83−6020	Decal − Danger (Japan)	1
7	80−8880	Decal − Warning (English)	2
7	93−9361	Decal − Warning (Europe)	1
7	83−6110	Decal − Warning (Japan)	1
8	80−8980	Asm−Piston	1
9	80−9040	Cap − End	1
10	80−8990	Ring − Backup	2
11	93−1674	Cap − End	1
12	80−9000	Valve − Accumulator	1
13	80−9020	Guard − Valve	1
14	323−4	Screw − HH	2
15	80−8970	Cap − Valve	1

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



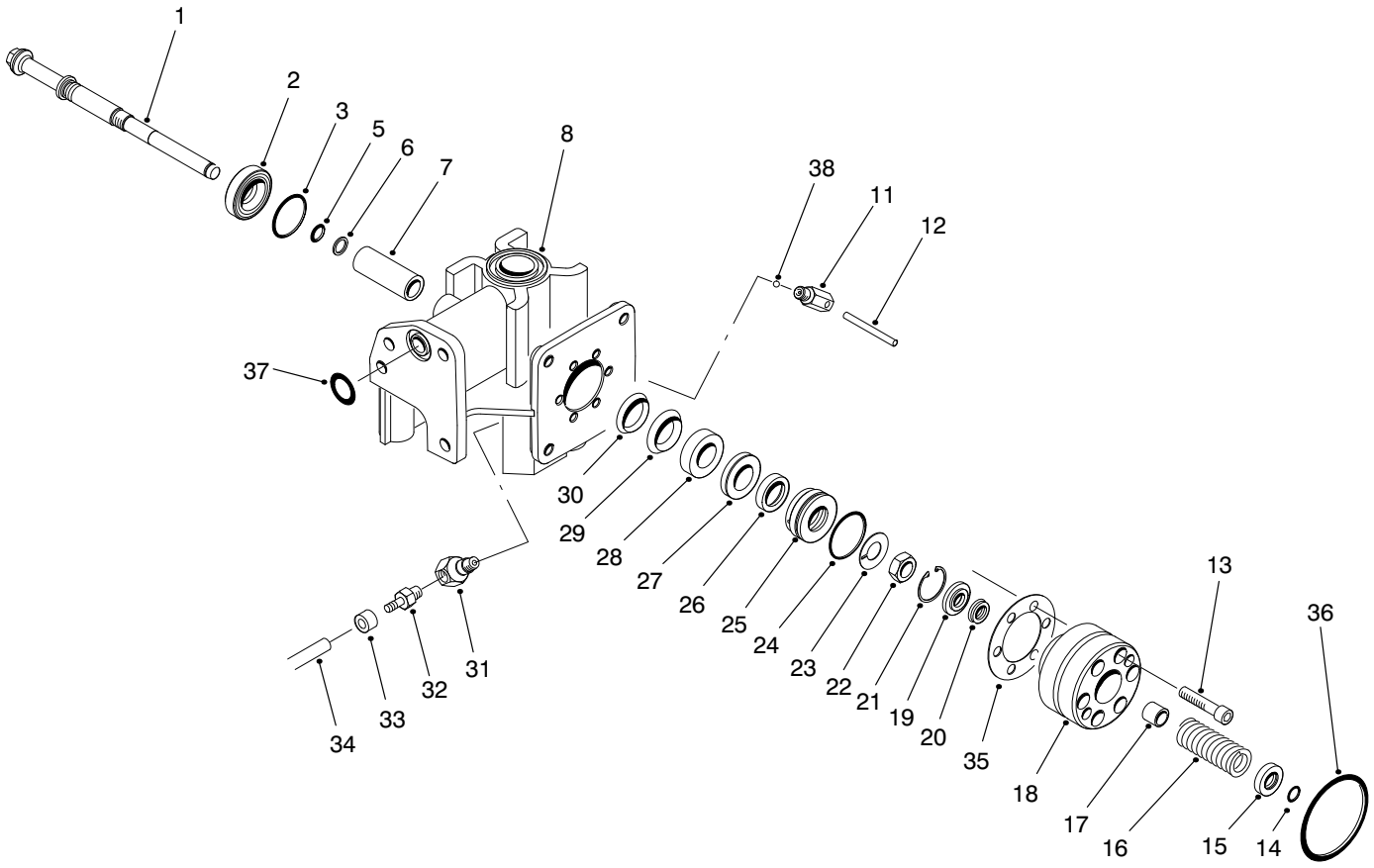
T–1918–1

RELIEF VALVE ASSEMBLY NO. 80–7070

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

Ref. No.	Part No.	Description	No. Used
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	Kit – Valve Repair (Incl. Ref. #1–9, & 11–15)	1
*	95–5677	Kit – Seal, Valve (Incl. Ref. #1, 2, 8, 9 & 11)	1

* Not Illustrated

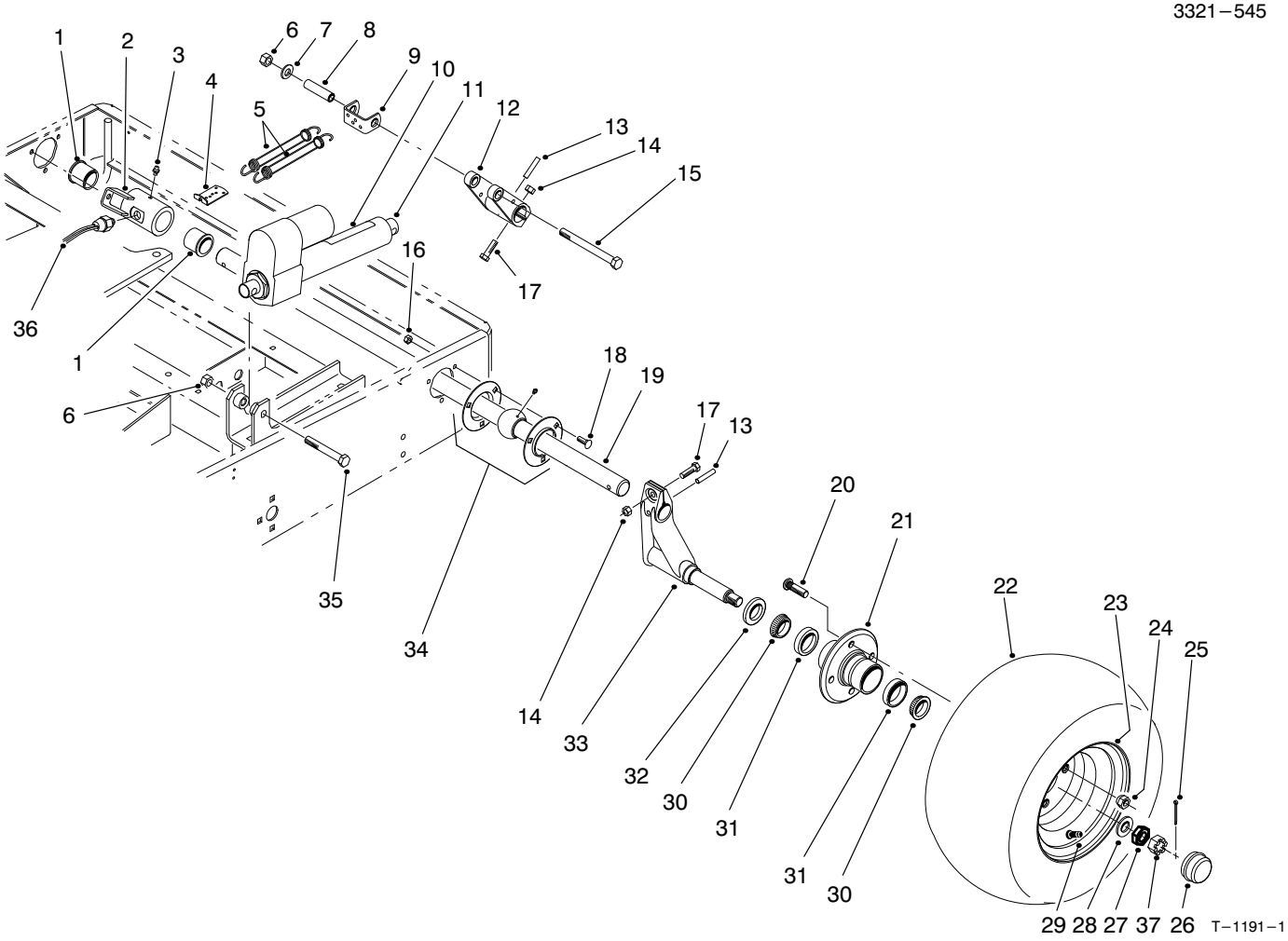


T−1206−1

WATER VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80−5600	Spool − Valve	1
2	86−9070	Seat − Valve	1
3	80−5780	O−Ring	1
5	80−8460	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

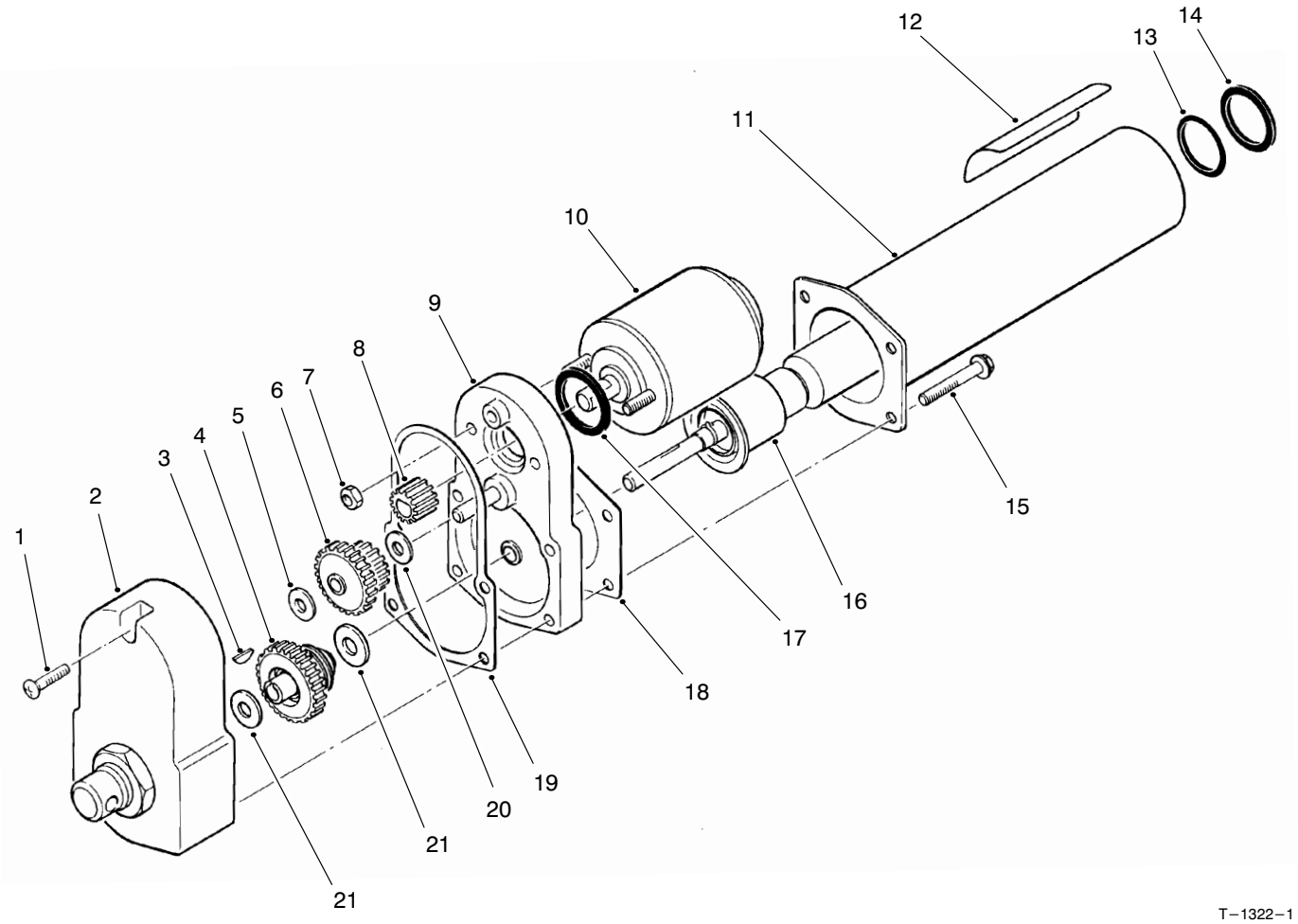
Ref. No.	Part No.	Description	No. Used
23	86−8320	Washer − Slotted	1
24	237−178	O−Ring	1
25	80−9220	Retainer − Seal	1
26	80−5760	Seal − U−Cup	1
27	80−9390	Guide − Valve	1
28	80−5751	Support − Seal/Plunger	1
29	80−5740	Seal − Packing	1
30	80−5730	Ring − Head Back−Up	1
31	80−9410	Fitting − Adapter	1
32	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	O−Ring	1
37	80−5782	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
10	93−9367	Decal − Warning (Europe)	1
10	83−6150	Decal − Warning (Japan)	1
11	14−5219	Asm−Lift Actuator (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 − HH	1
16	3296−29	Nut − Lock	6
17	323−7	Screw − HH	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	Asm−Hub (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	3220−7	Nut − Slotted	2
28	93−0309	Washer − Tab	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	93−1663	Arm − Lift	2
34	80−5560	Asm−Flange Bearing	2
35	325−14	Screw − HH	1
36	72−4310	Switch − Ball N.C.	1
37	93−0307	Nut − Retainer	2



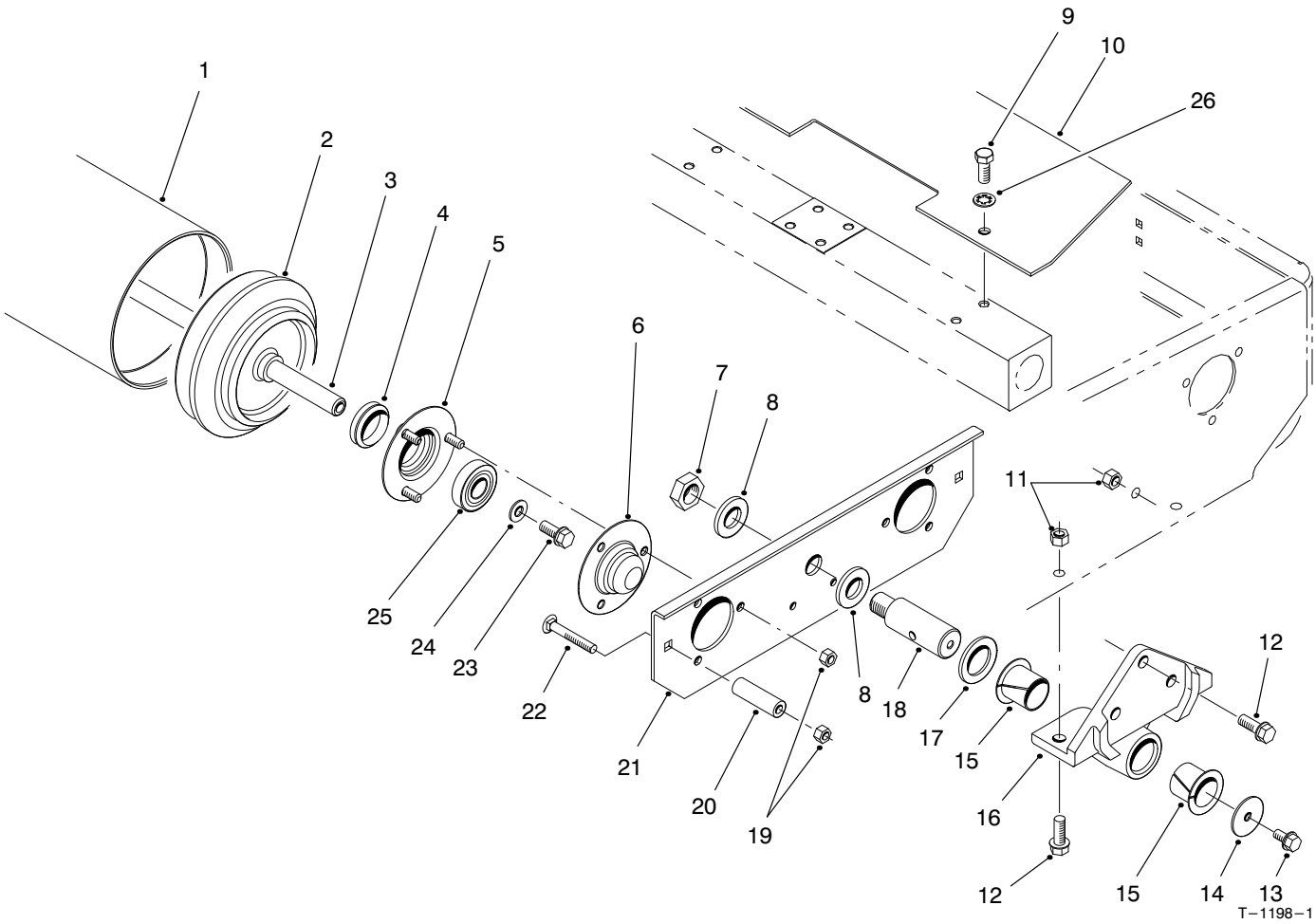
T−1322−1

LIFT ACTUATOR ASSEMBLY NO. 14−5219

Ref. No.	Part No.	Description	No. Used
1		Screw	1
2		Asm−Rear Housing	1
3		Key − Woodruff	1
4	80−5530	Asm−Clutch (Incl. Ref. #3, 4, & 21)	1
5		Washer	1
6		Gear − Intermediate	1
7		Nut − Hex.	2
8		Gear − Motor	1
9		Asm−Front Housing	1
10	80−5540	Asm−Motor (Incl. Ref. #8)	1
11	80−5520	Asm−Cover Tube (Incl. Ref. #13 & 14)	1
12	80−8010	Decal − Warning (English)	1

Ref. No.	Part No.	Description	No. Used
12	93−9367	Decal − Warning (Europe)	1
12	83−6150	Decal − Warning (Japan)	1
13		O−Ring	1
14		Seal − Lip	1
15		Screw − HWH	4
16		Asm−Ball Screw & Brake	1
17		Seal − Motor	1
18		Gasket − Tube, Cover	1
19		Gasket − Housing	1
20		Washer	1
21		Washer	2
*	80−5550	Kit−Seal (Incl. Ref. #1, 7, 13−15 & 17−19)	1

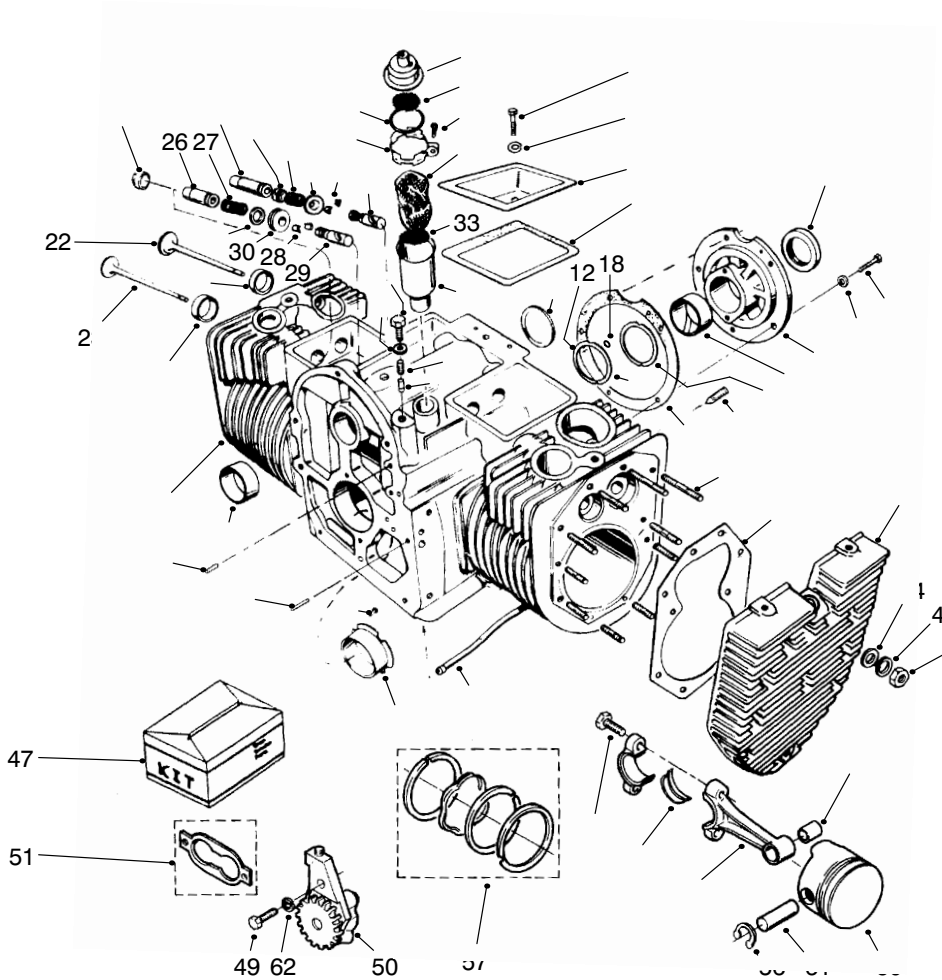
* Not Illustrated



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 − HWH	6
10	80−9180	Shield − Manifold	2
11	3296−39	Nut − Lock	10
12	3234−24	Screw − HWH	10
13	3234−14	Screw − HWH	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 − HWH	4
24	80−6990	Washer − Thrust	4
25	251−351	Bearing − Ball	4
26	3254−6	Washer − I.T.L.W.	6

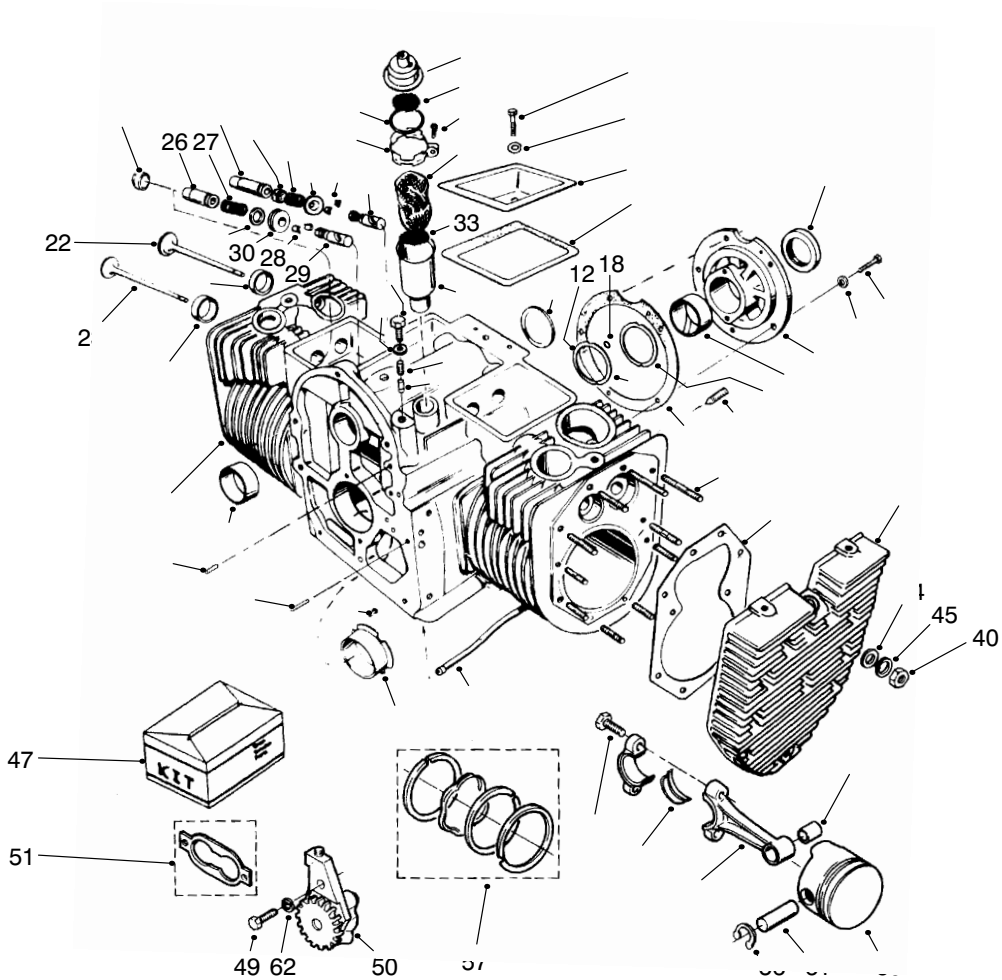


ENGINE CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−9839	Asm−Short Block	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	Kit−Gasket (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 − HFH	5
20	57−9740	Washer − Flat	2

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

* Not Illustrated
† Included in Short Block Assembly.



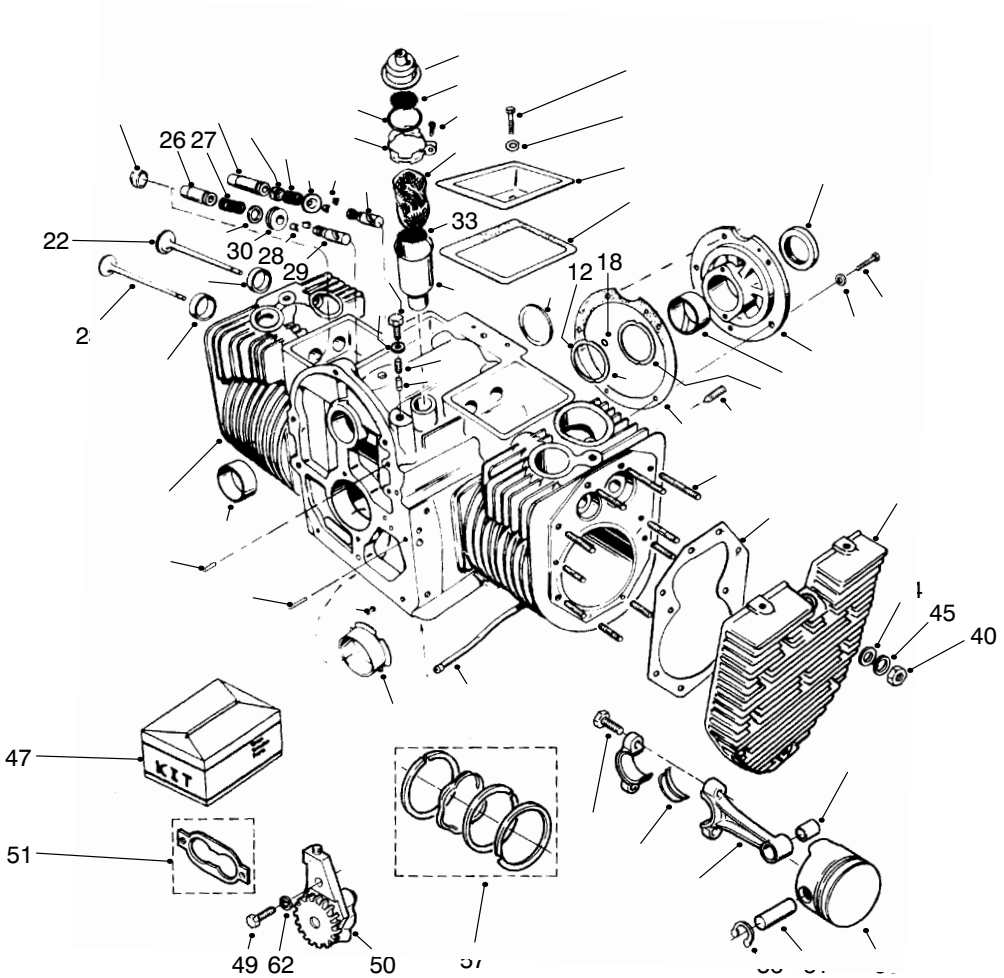
T−1258−1

ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
28	82−0250	Lock − Valve Spring	8
29	57−8450	Tappet − Valve	4
30	57−8270	Rotator − Valve	2
31	321−11	Screw − HH	2
32	82−0530	Clamp − Breather Tube	1
33	82−0560	Screen − Breather Tube	2
34	82−0570	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	Kit−Gasket (Engine)	1
48	82−0070	Washer − Spring Retainer	2
49	321−6	Screw − HH	2
50	82−1280	Asm−Oil Pump	1
51	57−8460	Kit−Gasket − Oil Pump	1
52	57−8500	Spring − Bypass Valve	1
53	57−8470	Plunger − Bypass Valve	1
54	59−0910	Screw − HH	1

* Not Illustrated
† Included in Short Block Assembly.

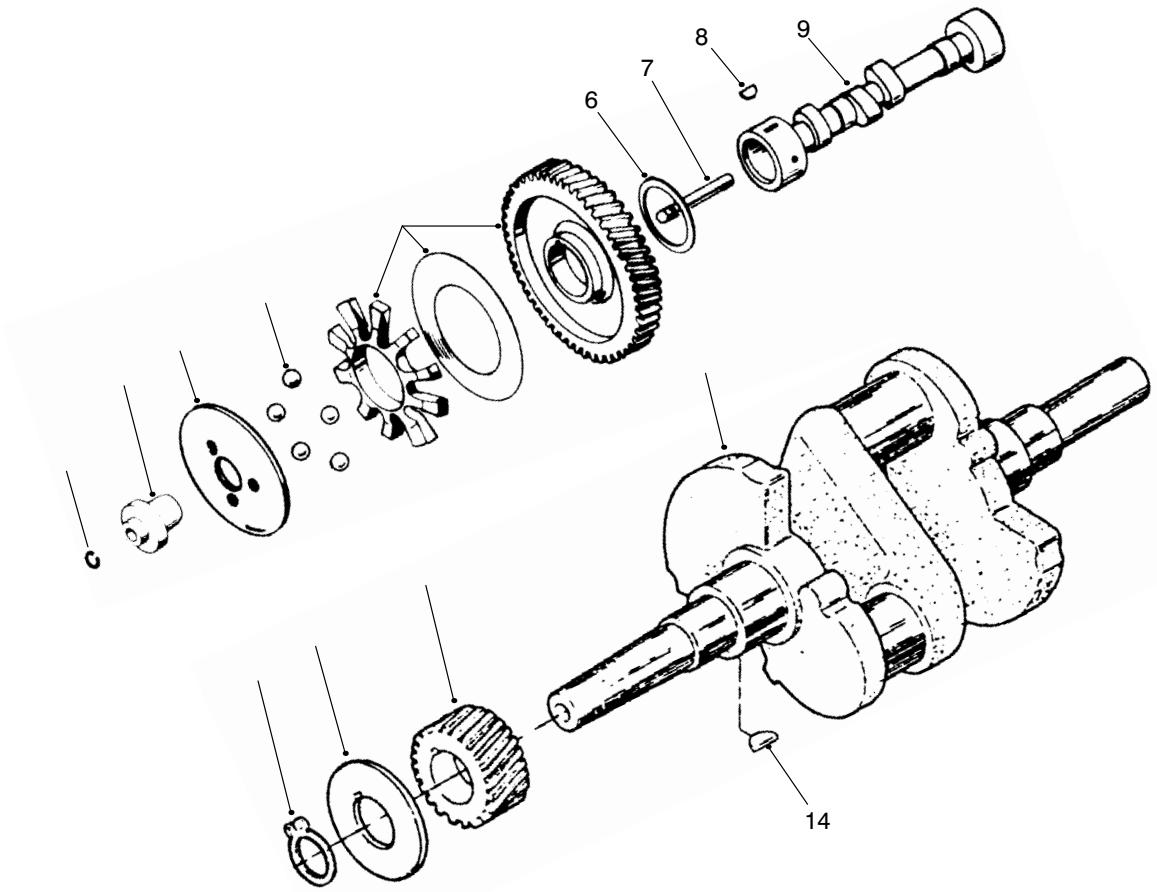


ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

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

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

* Not Illustrated

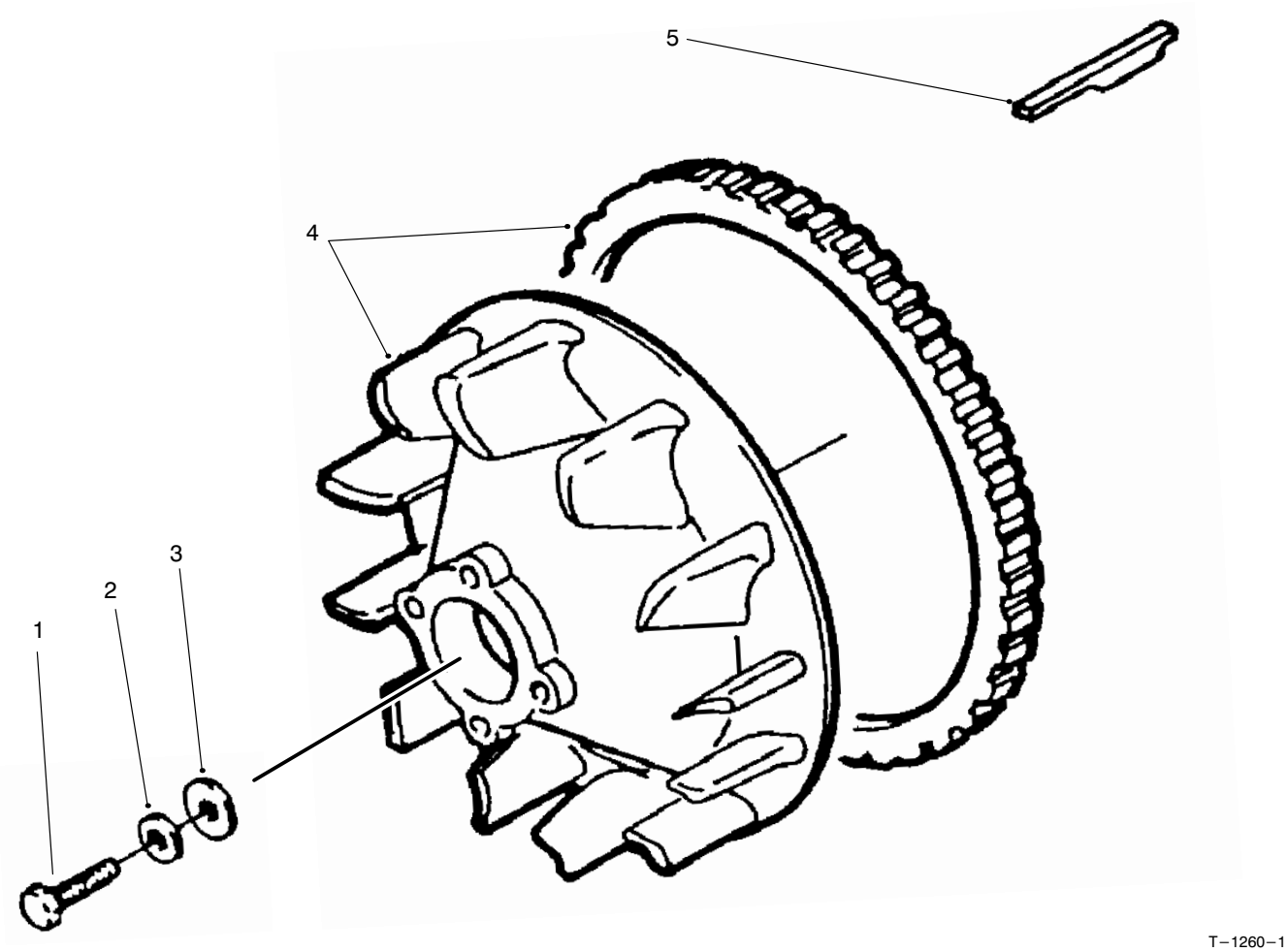


T−1259−1

ENGINE CAMSHAFT & CRANKSHAFT ASSEMBLY

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

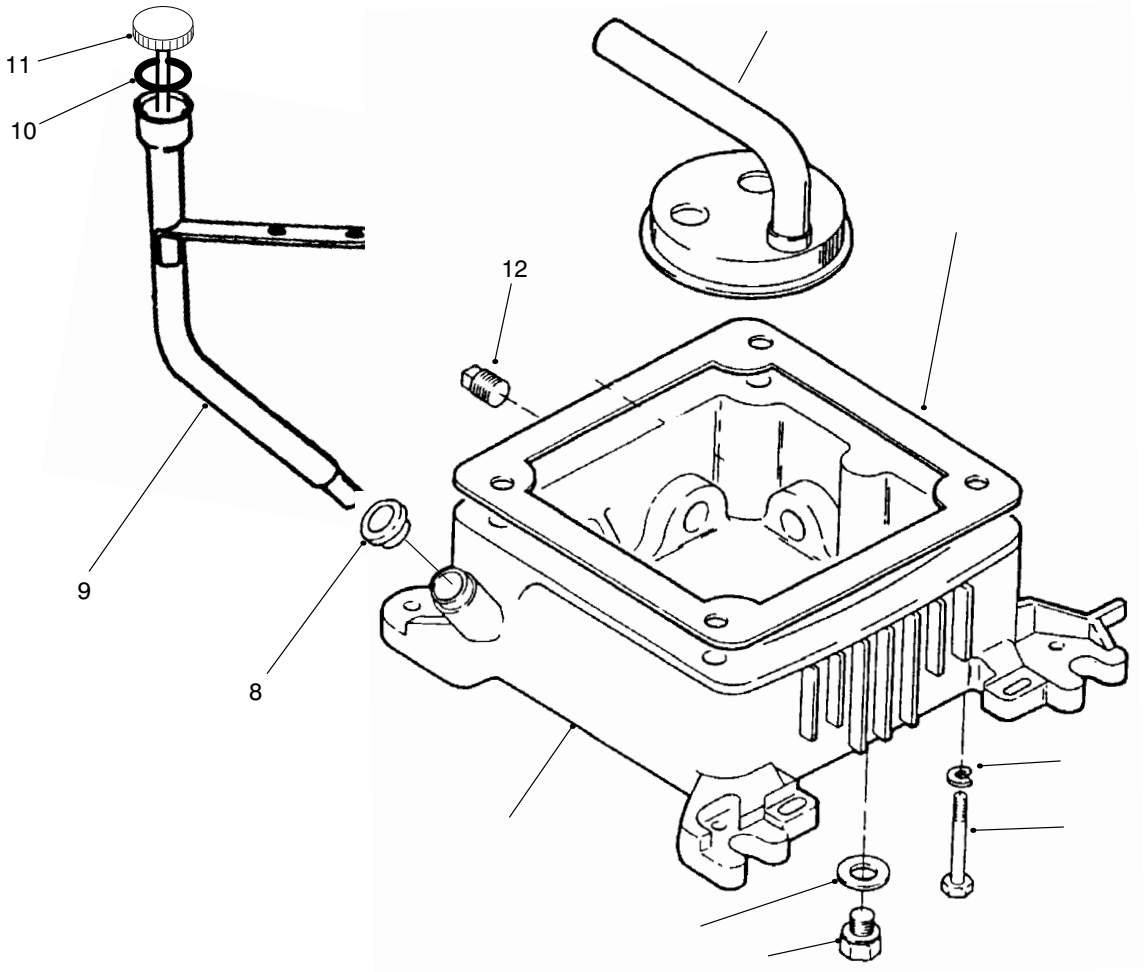
Ref. No.	Part No.	Description	No. Used
9	82−0880	Camshaft (Incl. Ref. #7)	1
10	82−0060	Crankshaft	1
11	92−0941	Gear − Crankshaft	1
12	57−8140	Washer − Gear Retaining	1
13	57−9710	Ring − Retaining	1
14	57−9660	Key − Crankshaft Gear	1



T−1260−1

ENGINE FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	57−8150	Screw − HH	1
2	82−1320	Washer − Flat	1
3	59−0810	Washer − Flat	1
4	82−0610	Flywheel	1
5	71−6190	Key − Flywheel	1

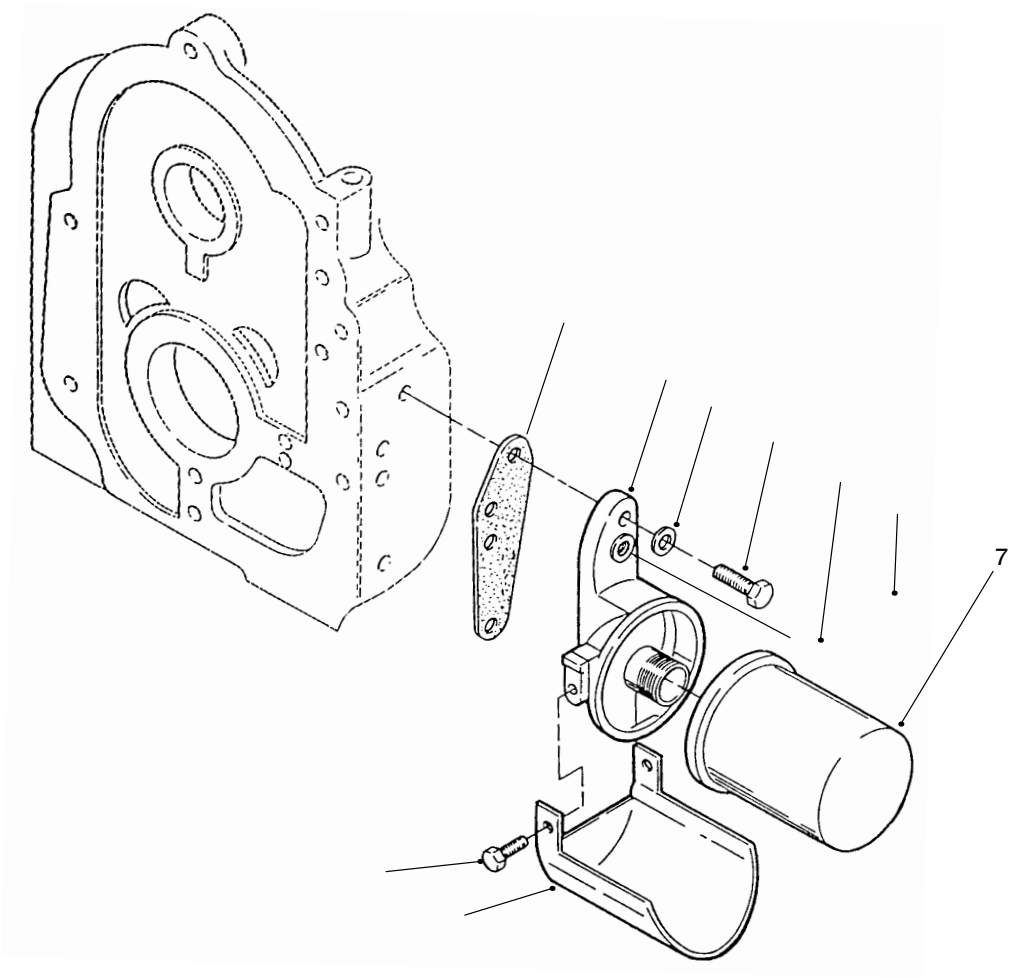


T−1261−1

ENGINE OIL BASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−0944	Cup − Oil Pump Intake	1
2	82−0900	Gasket − Oil Base	1
3	82−1310	Washer − Flat	4
4	323−25	Screw − HH	4
5	281−2	Plug − Hex. Hd.	1
6	57−8070	Gasket − Plug	1
7	92−0942	Asm−Oil Base (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	O−Ring	1
11	82−0590	Asm−Dipstick (Incl. Ref. #10)	1
12	92−0943	Plug − Pipe	1

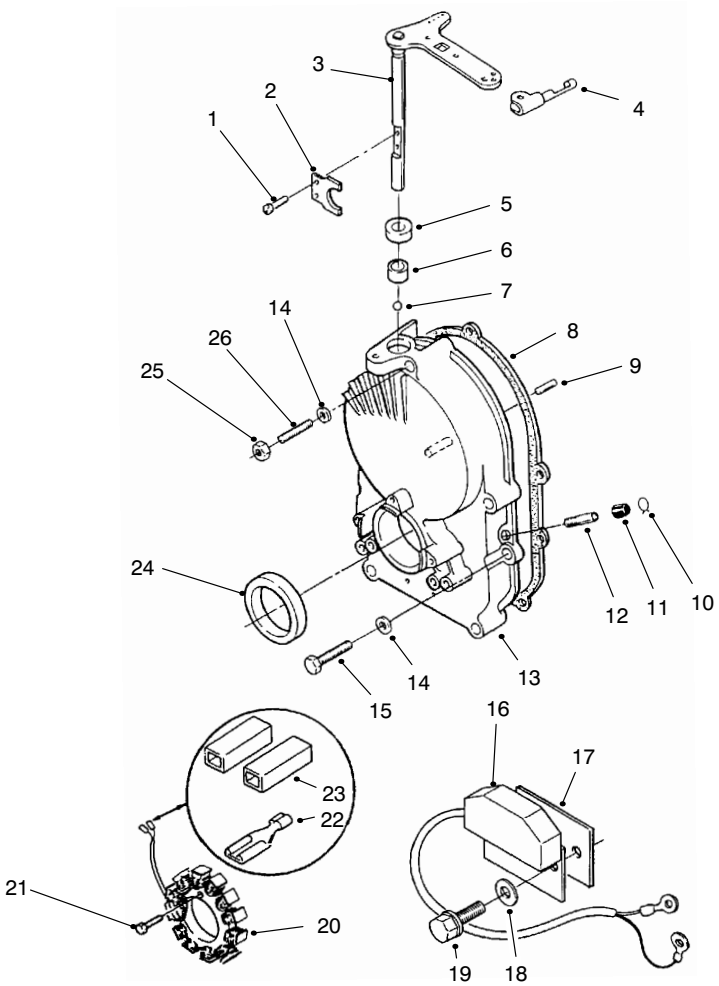


T−1262−1

ENGINE OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	79−6470	Gasket − Oil Filter Adaptor	1
2	82−0500	Adapter − Oil Filter	1
3	57−9750	Washer − Flat	2
4	322−5	Screw − HH	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 − HH	2

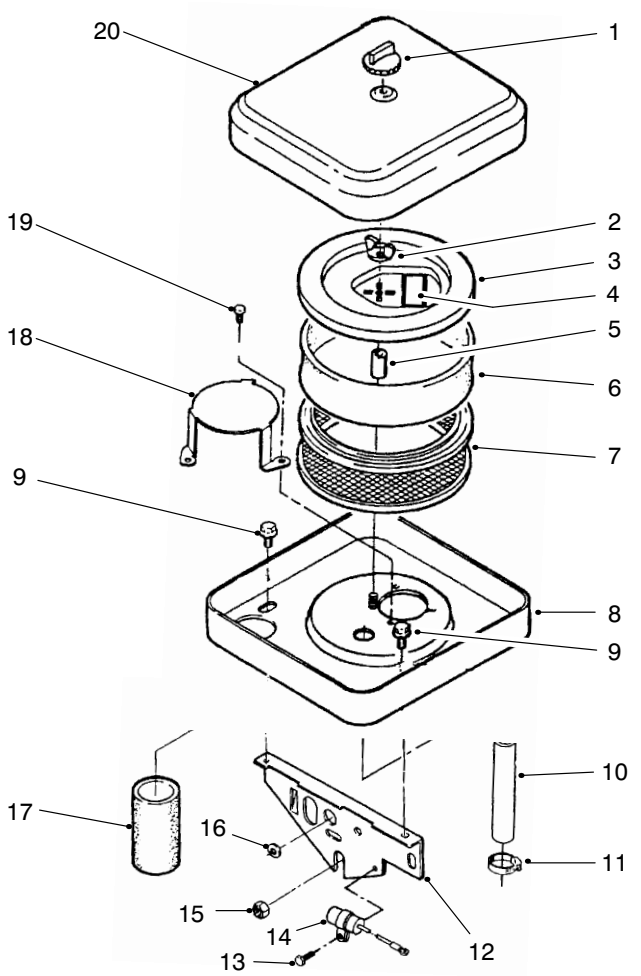


T−1263−1

ENGINE IGNITION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59−0950	Screw − PH	2
2	59−0420	Yoke − Governor Shaft	1
3	59−0440	Shaft/Arm − Governor	1
4	57−9730	Clip − Retaining	1
5	57−9570	Seal − Governor Shaft	1
6	57−9650	Bearing − Governor Shaft	1
7	57−9630	Ball − Governor Shaft	1
8	82−0910	Gasket − Gear Case	1
9	59−0740	Pin − Dowel	1
10	57−9550	Clamp − Cap	1
11	59−0370	Cap − Vacuum Port	1
12	59−0360	Tube − Vacuum Port	1
13	71−6350	Asm−Gear Case (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 − HH	4
16	71−6380	Control − Ignition	1
17	71−6410	Insulator − Ignition Module	1
18	82−1660	Washer − Lock	2
19	71−6400	Screw − HWH	2
20	57−9440	Stator − 20 Amp.	1
21	71−6390	Screw − HH	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

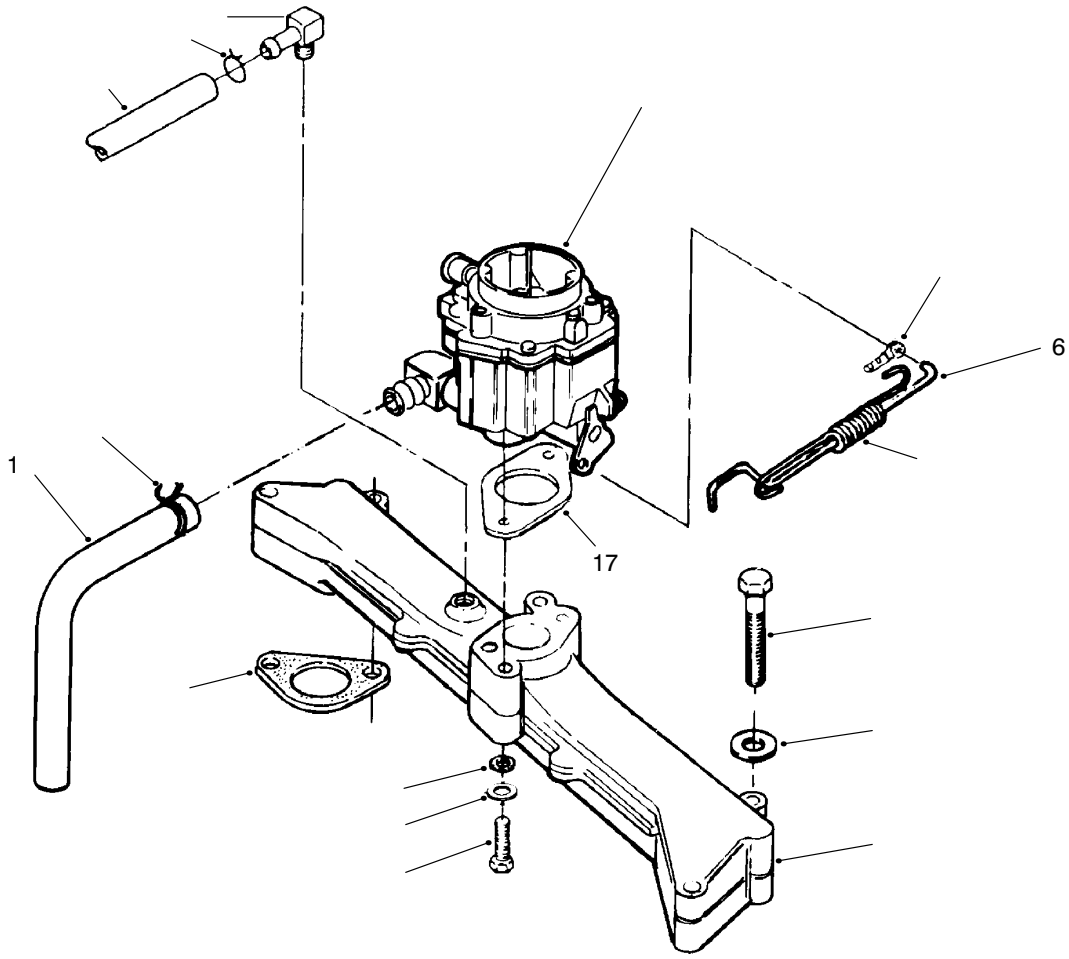


T−1264−1

ENGINE AIR CLEANER ASSEMBLY

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

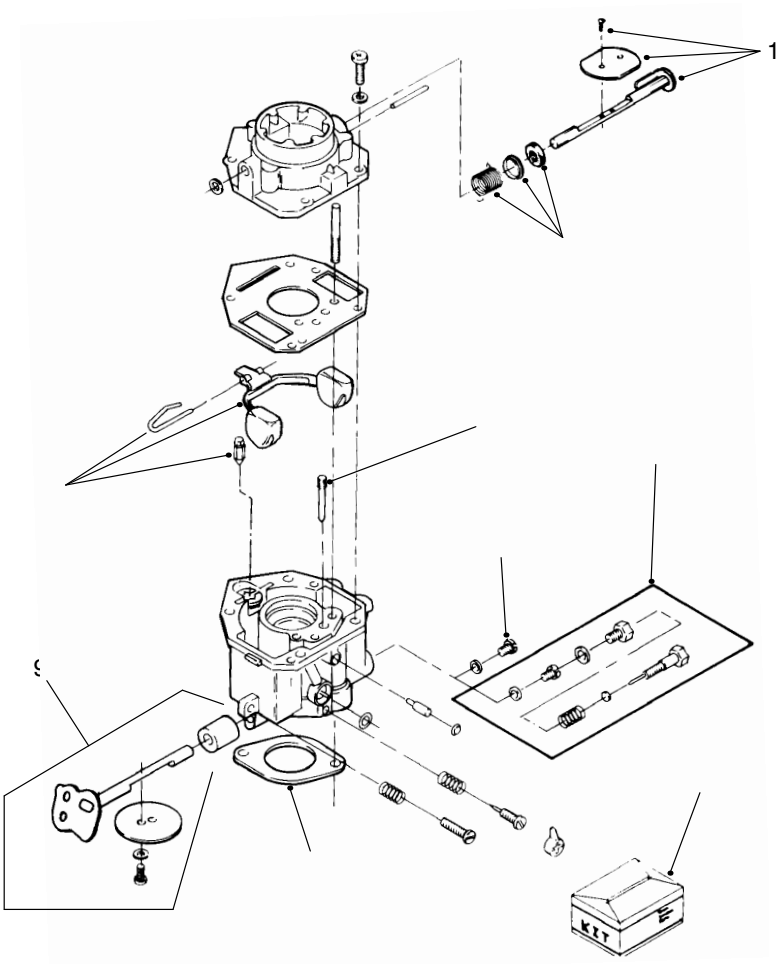
Ref. No.	Part No.	Description	No. Used
11	82−1090	Clamp − Hose	1
12	82−0720	Support − Air Cleaner	1
13	71−6450	Screw − HH	1
14	59−1180	Condenser	1
15	82−1690	Nut − HWH	1
16	71−6140	Grommet − Rubber	1
17	82−0700	Tube − Air Intake	1
18	92−0946	Plate − Air Deflector	1
19	82−1770	Screw − HWH	3
20	82−0690	Cover − Air Cleaner	1



T−1265−1

ENGINE FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82−1120	Hose − Breather	1
2	82−1090	Clamp − Hose	1
3	82−1070	Fitting − 90° Elbow	1
4	93−1676	Asm−Carburetor (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 − HH	4
9	82−1310	Washer − Flat	4
10	82−0670	Manifold − Intake	1
11	322−12	Screw − HH	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

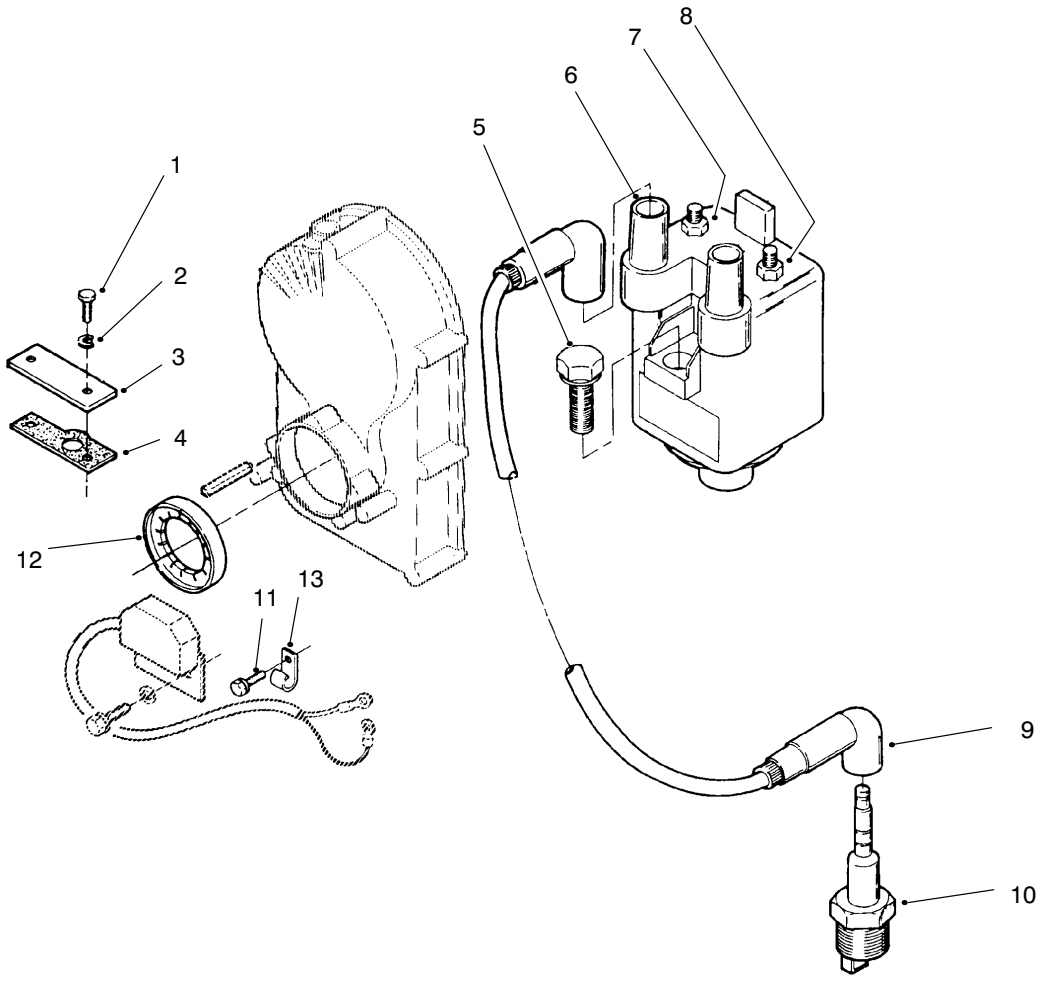


T−1266−2

ENGINE CARBURETOR ASSEMBLY NO. 93−1676

Ref. No.	Part No.	Description	No. Used
1	72−3860	Kit−Choke Shaft	1
2	72−3870	Kit−Choke Lever	1
3	82−0750	Jet − Idle	1
4	82−0790	Jet − Power (Std.)	1
6	82−0740	Kit−Jet (High Altitude Application)	1
7	93−1677	Kit−Carburetor Repair (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	Asm−Float	1

* Not Illustrated



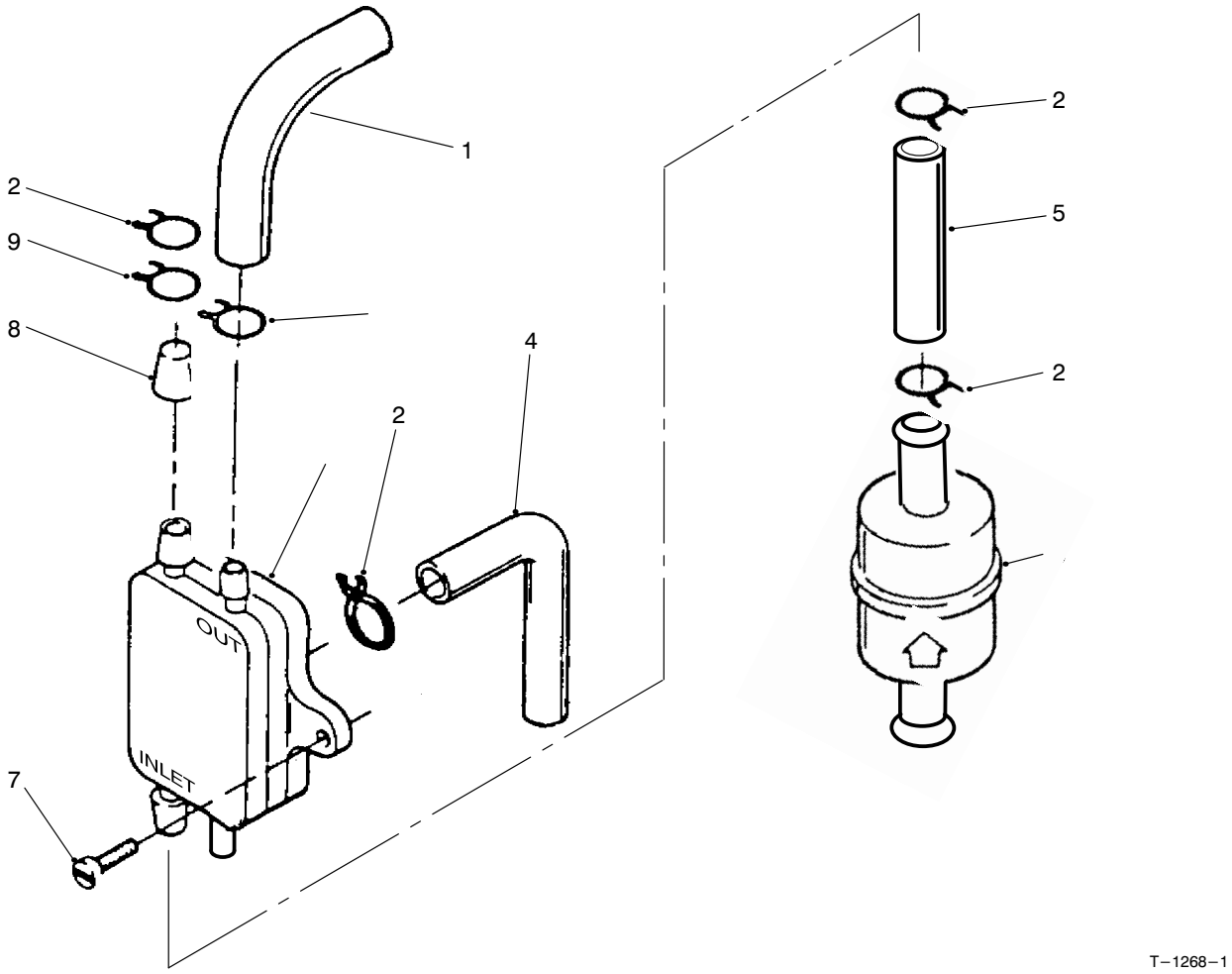
T−1267−1

ENGINE ELECTRONIC IGNITION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321−3	Screw − HH	2
2	82−1340	Washer − Flat	2
3	71−5990	Plate − Ignition Plunger	1
4	57−9260	Gasket − Plate	1
5	71−6460	Screw − HFH	2
6	71−6000	Coil − Ignition	1
7	71−6440	Nut − HF	1

Ref. No.	Part No.	Description	No. Used
8	71−6430	Hut − HF	1
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 − HFH	1
12	71−6010	Rotor − Ignition	1
13	71−6220	Clip − Wire	1

* Not Illustrated

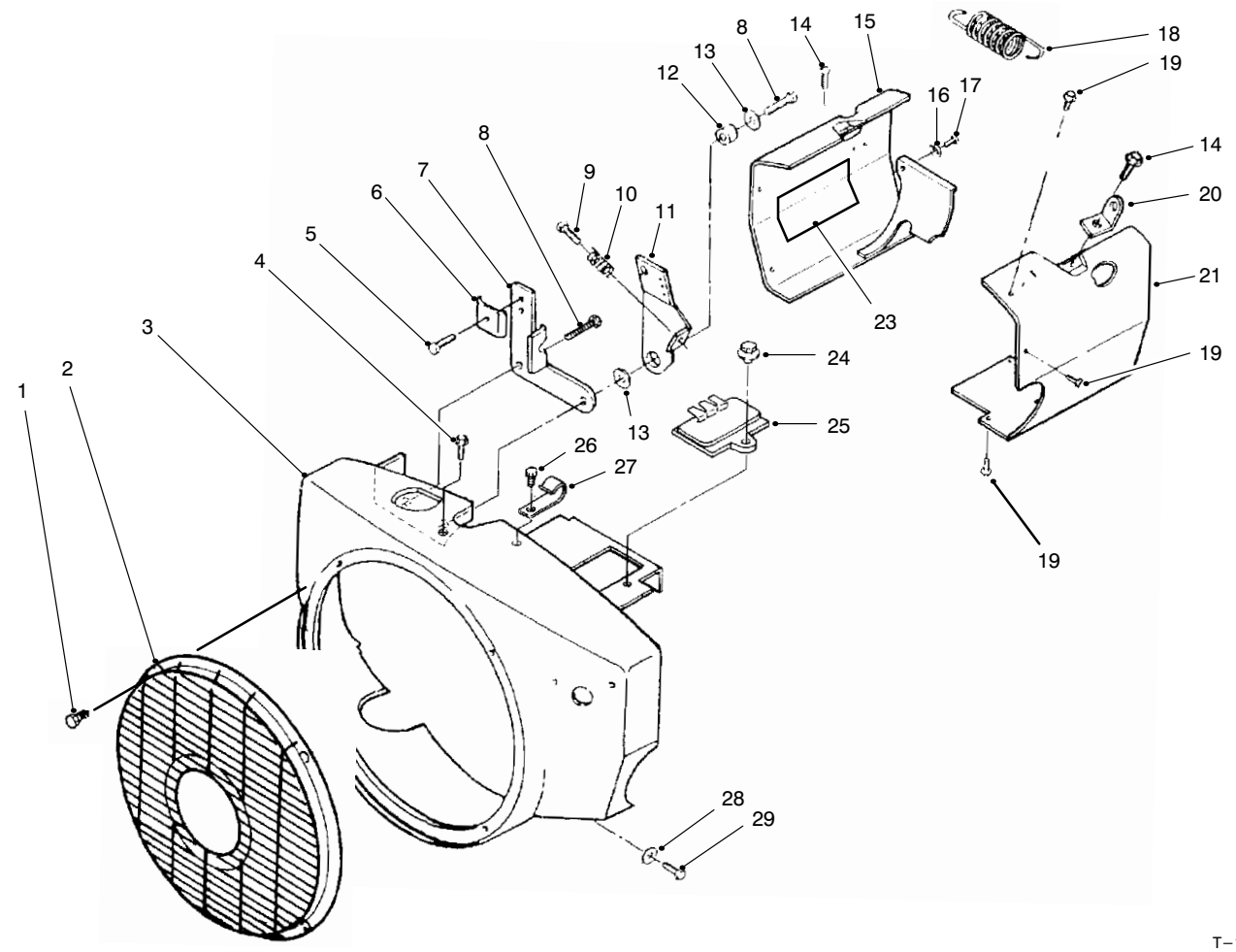


T−1268−1

ENGINE FUEL PUMP & FILTER ASSEMBLY

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

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

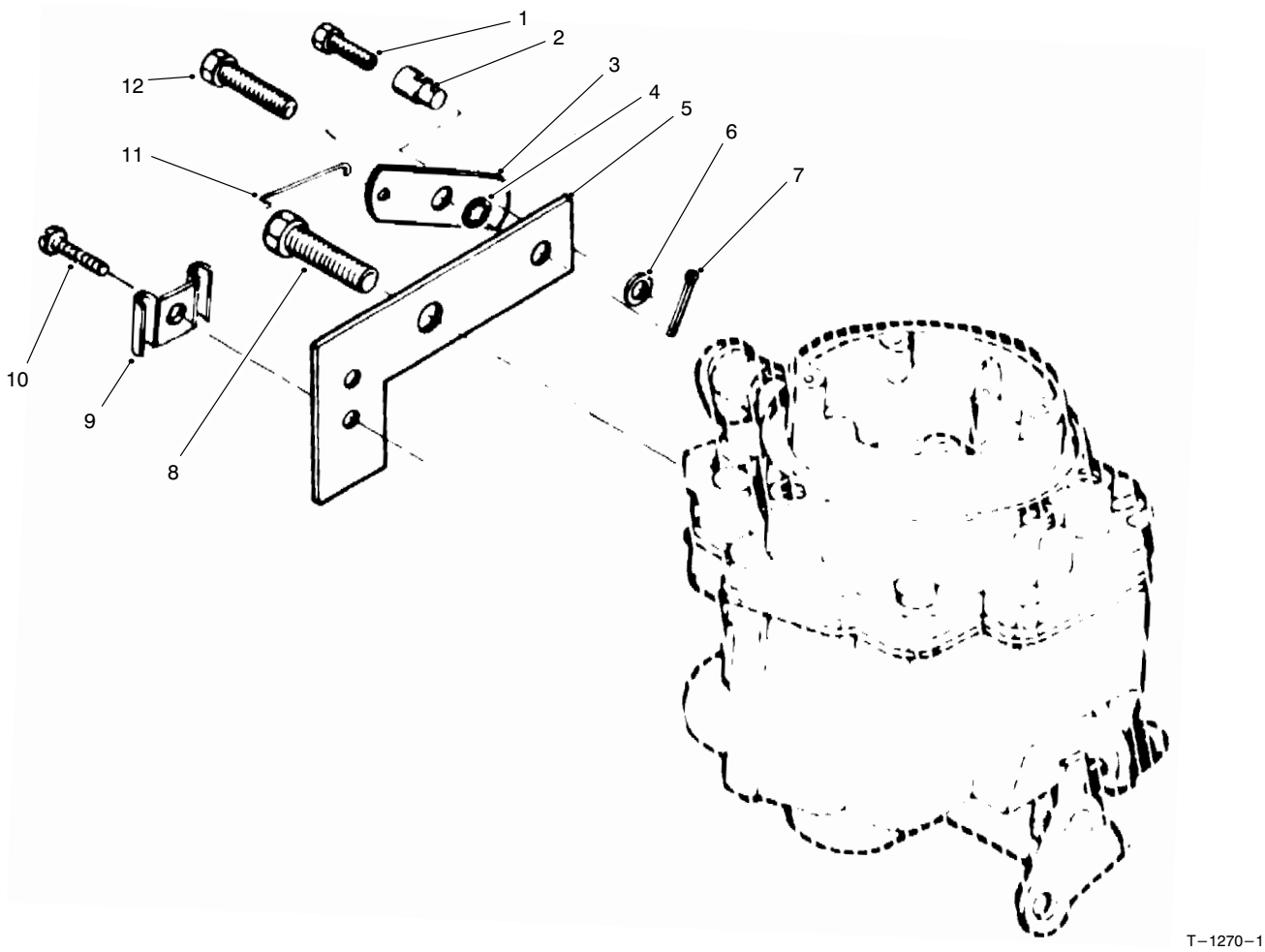


T−1269−1

ENGINE HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82−1590	Screw − PH	4
2	82−0620	Guard − Stationary	1
3	92−0948	Housing − Blower	1
4	59−1100	Screw − HWH	2
5	72−3900	Screw − Tapping	1
6	57−9190	Clamp − Cable	1
7	57−9150	Bracket − Cable	1
8	59−1010	Screw − HWH	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 − HWH	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 − HWH	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 − HFH	1
25	71−6030	Regulator − Voltage (20 Amp.)	1
26	82−1540	Screw − HWH	1
27	71−6220	Clip − Wire	1
28	59−0820	Washer − Flat	4
29	82−1780	Screw − HWH	3

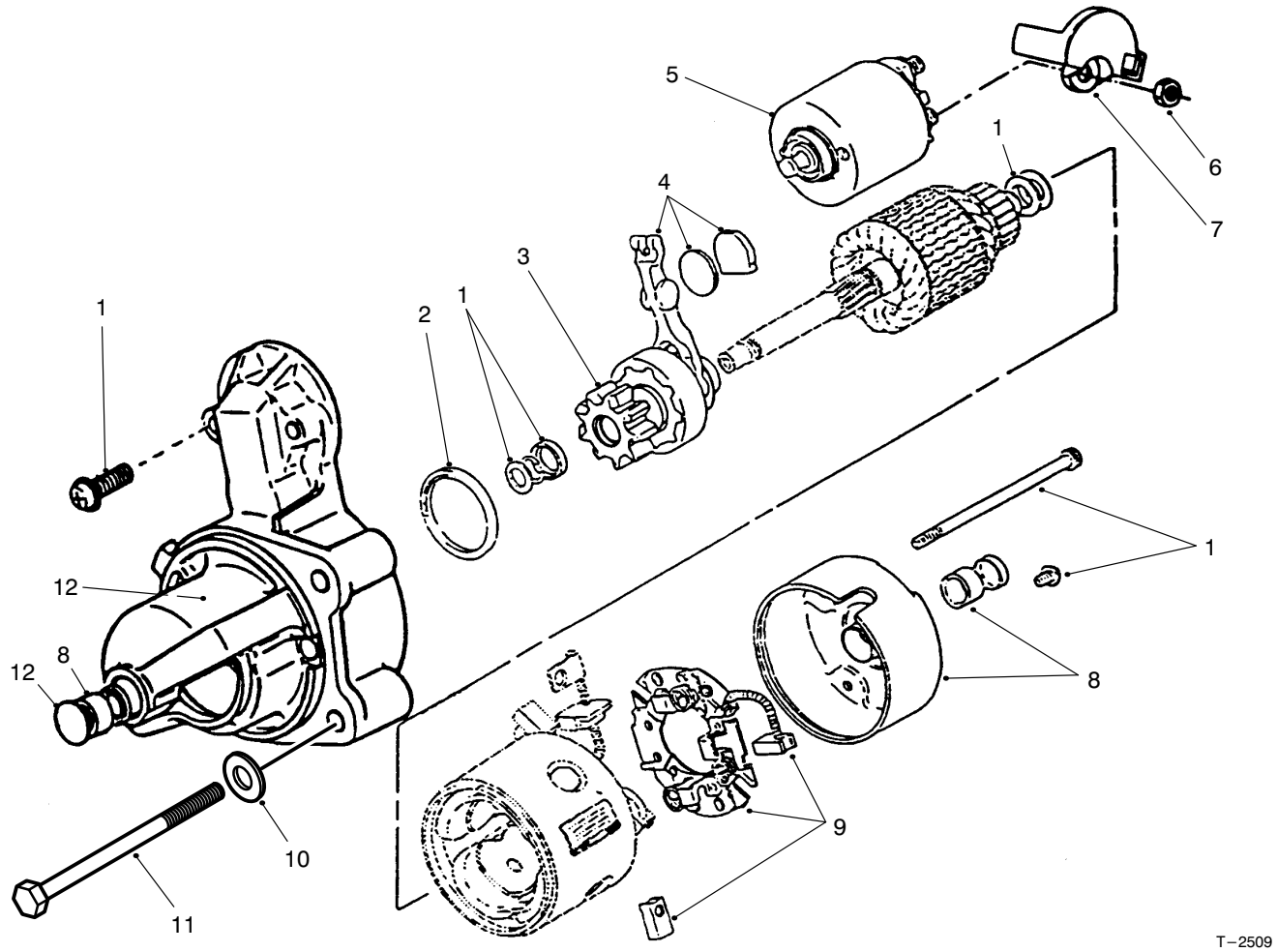


ENGINE CHOKE CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72−3890	Screw − HH	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 − HWH	1
9	57−9190	Clip − Choke Cable	1
10	72−3900	Screw − HWH	1
11	57−9180	Link − Choke	1
12	59−1020	Screw − Shoulder	1

* Not Illustrated



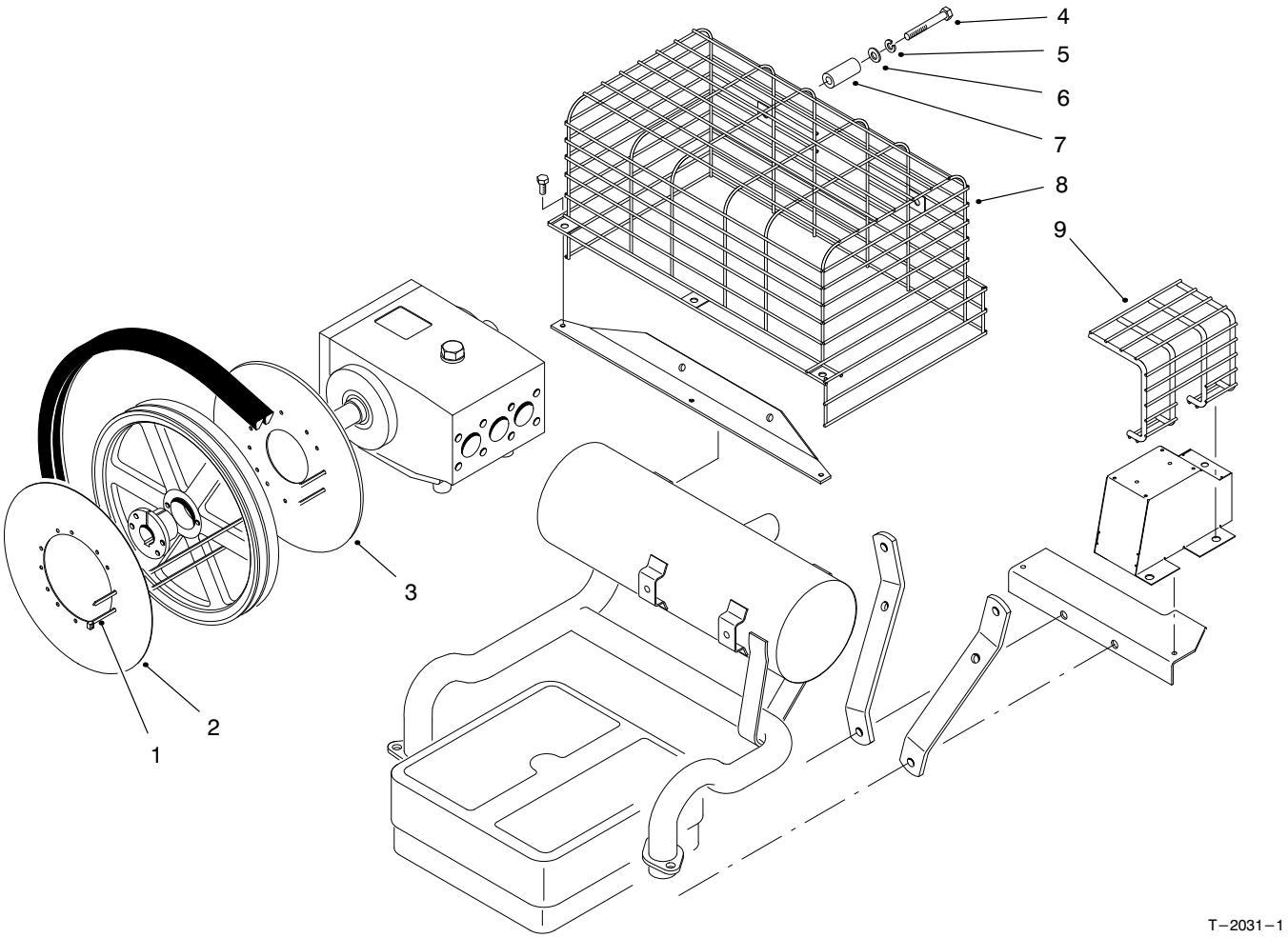
T−2509

ENGINE STARTER ASSEMBLY NO. 71−6040

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

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

* Not Illustrated



T−2031−1

SHIELD ASSEMBLY (Europe)

Ref. No.	Part No.	Description	No. Used
1	3290−378	Tie − Cable	6
2	93−1672	Shield − Pulley	1
3	93−1673	Shield − Pulley	1
4	322−11	Screw − HH	2
5	3253−4	Washer − Lock	2

Ref. No.	Part No.	Description	No. Used
6	3256−23	Washer − Flat	2
7	93−1671	Tube − Spacer	2
8	93−1669	Shield − Muffler	1
9	93−1670	Shield − Exhaust	2

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3−6498	Washer − Thrust	20	12	1
3−6781	Washer − Thrust	33	17	2
7−0238	Key − Clutch	15	4	1
10−6830	Stud − Drive	31	20	8
10−6830	Stud − Drive	3	25	4
10−6850	Drum − Brake	3	18	1
10−6870	Hub − Wheel	3	19	1
14−4179	Hood	8	6	1
14−4189	Tank − Fuel	5	4	1
14−5169	Shield − Drive	15	38	1
14−5199	Cover − Control	1	6	1
14−5209	Mount − Pump	20	6	1
14−5219	Asm−Lift Actuator	31	11	1
14−5229	Guard − Muffler	14	11	1
14−5239	Guard − Muffler L.H.	14	19	1
14−5249	Guard − Muffler R.H.	14	*	1
14−5259	Asm−Valve	12	36	1
14−5289	Head − Pump	25	11	1
14−7449	Asm−Valve	26	17	1
14−7449	Body − Valve	30	8	1
26−3790	Nut − Spindle	3	22	1
27−2360	Switch − Ignition	12	41	1
28−3680	Tire	3	20	1
28−3680	Tire	31	22	2
29−6162	Switch − Micro	20	31	2
40−8200	Switch − Micro	2	34	1
42−3560	Bolt − Shoulder	23	12	1
42−3560	Bolt − Shoulder	13	28	2
44−8320	Spring − Compression	16	2	3
52−5980	Spacer	14	36	2
56−2230	Hose − Fuel	5	11	1
56−2241	Hose − Fuel	5	7	1
56−2241	Hose − Fuel	14	30	1
56−2520	Valve − Fuel Shut−Off	5	9	1
57−8000	Bearing − Camshaft	34	16	2
57−8010	Gasket − Bearing Plate	34	14	1
57−8020	Bearing − Flanged (Std.)	35	37	1
57−8030	Bearing − Flanged	35	*	1
57−8050	Bearing − Crank (Std.)	34	12	1
57−8060	Bearing − Crank (.010 US)	34	*	1
57−8070	Gasket − Plug	39	6	1
57−8140	Washer − Gear Retaining	37	12	1
57−8150	Screw − HH	38	1	1
57−8160	Washer − Thrust	34	13	2
57−8170	Shim − Crankshaft	35	38	A/R
57−8210	Asm−Camshaft Gear	37	5	1
57−8230	Washer − Thrust	37	6	1
57−8250	Spring − Valve	34	27	4
57−8270	Rotator − Valve	35	30	2
57−8450	Tappet − Valve	35	29	4
57−8460	Kit−Gasket − Oil Pump	35	51	1
57−8470	Plunger − Bypass Valve	35	53	1
57−8500	Spring − Bypass Valve	35	52	1
57−8530	Filter − Oil	40	7	1
57−8580	Baffle − Breather Tube	34	4	1
57−9080	Pump − Fuel	46	3	1
57−9090	Ring − Retaining	37	1	1
57−9100	Spring − Governor	47	18	1
57−9120	Bushing − Control Arm	47	12	1
57−9130	Hub − Governor Cup	37	2	1
57−9140	Arm − Governor Control	47	11	1
57−9150	Bracket − Cable	47	7	1
57−9170	Swivel − Choke Lever	48	2	1
57−9180	Link − Choke	48	11	1
57−9190	Clamp − Cable	47	6	1
57−9190	Clip − Choke Cable	48	9	1
57−9260	Gasket − Plate	45	4	1
57−9340	Plug − Spark	45	10	2
57−9360	Bearing − Flanged	35	*	1
57−9440	Stator − 20 Amp.	41	20	1
57−9490	Switch − Low Oil Pressure	40	6	1
57−9550	Clamp − Cap	41	10	1
57−9550	Clamp − Hose	46	9	1
57−9570	Seal − Governor Shaft	41	5	1
57−9580	Seal − Crankshaft	41	24	1
57−9590	Seal − Oil	34	17	1
57−9610	O−Ring	39	10	1
57−9630	Ball − Governor Shaft	41	7	1
57−9640	Ball − Governor	37	4	5
57−9650	Bearing − Governor Shaft	41	6	1
57−9660	Key − Crankshaft Gear	37	14	1
57−9660	Key − Woodruff	37	8	1
57−9700	Clip − Retaining	43	5	1
57−9710	Ring − Retaining	37	13	1
57−9730	Clip − Retaining	41	4	1
57−9740	Washer − Flat	34	20	2
57−9750	Washer − Flat	40	3	2
57−9750	Washer − Flat	41	14	5
57−9760	Washer − Flat	36	55	1
57−9770	Washer − Mounting Screw	49	10	2
57−9800	Bearing − Flanged	35	*	1
59−0010	Bearing − Flanged	35	*	1
59−0020	Bearing − Crank (.002 US)	34	*	1
59−0030	Bearing − Crank (.020 US)	34	*	1
59−0040	Bearing − Crank (.030 US)	34	*	1
59−0360	Tube − Vacuum Port	41	12	1
59−0370	Cap − Vacuum Port	41	11	1
59−0370	Fitting − Cap	46	8	1
59−0400	Pin − Center	37	7	1
59−0420	Yoke − Governor Shaft	41	2	1
59−0430	Spring − Idle Setting	47	10	1
59−0440	Shaft/Arm − Governor	41	3	1
59−0450	Cup − Governor	37	3	1
59−0460	Lever − Choke	48	3	1
59−0470	Bracket − Choke Cable	48	5	1
59−0590	Terminal − Stator Leads	41	22	3
59−0640	Fitting − 45˚ Elbow	40	5	1
59−0720	Pin − Cotter	48	7	1
59−0730	Pin − Bearing Stop	34	18	4
59−0740	Pin − Dowel	41	9	1
59−0750	Pin − Alignment	35	39	2
59−0760	Plug − Hole	35	46	1
59−0770	Breather Hole Plug	36	*	1
59−0790	Stud − Cover	41	26	1
59−0810	Washer − Flat	38	3	1
59−0820	Washer − Flat	47	28	4
59−0830	Washer − Flat	47	13	2
59−0830	Washer − Flat	47	16	2
59−0850	Washer − Flat	48	6	2
59−0910	Screw − HH	35	54	1
59−0950	Screw − PH	41	1	2
59−0980	Screw − Tapping	47	17	2
59−1010	Screw − HWH	47	8	2
59−1020	Screw − Shoulder	48	12	1
59−1030	Screw − Tapping	47	9	1
59−1050	Screw − Tapping Pan Hd.	46	7	2
59−1080	Screw − HFH	47	24	1
59−1080	Screw − HWH	47	19	4
59−1100	Screw − HWH	47	4	2
59−1130	Nut − Hex.	41	25	1
59−1180	Condenser	42	14	1
61−2990	Plate − Back Up	21	60	1
62−2730	Kit−Starter Bushing	49	8	1
62−2740	Kit−Starter Brush	49	9	1
62−2750	Kit−Brush Mounting	49	12	1
62−2760	Kit−Starter Hardware	49	1	1
62−2770	Kit−Starter Shift Lever	49	4	1
62−2800	Asm−Float	44	10	1
63−8360	Key − Ignition	12	9	1
63−8410	Washer	5	35	4
65−4500	Seal − Snap Ring	4	14	1
65−4550	Valve − Check Ball	4	6	2
65−4560	Plug − Hex. Hollow	4	3	1
65−4570	Seal − Square Ring	4	4	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
65−4600	Washer − Thrust	4	19	2
65−4610	Bearing − Thrust	4	20	1
65−4620	O−Ring	4	12	1
65−4640	Key − Square	3	7	1
65−8970	Knob	13	3	1
65−8970	Knob	1	20	1
66−2490	Clamp − Battery	14	2	1
66−2950	Hourmeter	12	11	1
66−4160	Spring − Extension	13	29	1
66−5293	Motor − Hydraulic	3	6	1
67−7050	Asm−Field Rotor	16	1	1
67−7100	Plate − Brake	16	3	1
67−7130	Diode	11	1	1
67−7310	Decal − TORO	8	11	1
67−8110	Element − Oil Filter	12	27	1
69−1170	Glass − Sight	17	28	1
70−1480	Relay	12	29	5
70−8170	Ring − Snap	4	21	1
70−9840	Shoe − Brake	3	17	2
70−9850	Clip − Retaining	3	8	1
70−9860	Pivot − Brake	3	26	1
70−9870	Plate − Brake	3	13	1
70−9880	Spring − Brake	3	16	2
71−1500	Asm−Brake	3	*	1
71−4170	Switch − Toggle	2	52	1
71−5960	Filter − Fuel	46	6	1
71−5960	Filter − Fuel	14	28	1
71−5990	Plate − Ignition Plunger	45	3	1
71−6000	Coil − Ignition	45	6	1
71−6010	Rotor − Ignition	45	12	1
71−6020	Cable − Spark Plug (18.5)	45	*	1
71−6030	Regulator − Voltage	47	25	1
71−6040	Asm−Starter	49	*	1
71−6080	Bracket − Lifting	47	20	2
71−6100	Hose − Fuel (Cut to 5)	46	5	1
71−6100	Line − Pulse (Cut to 7)	46	4	1
71−6140	Grommet − Rubber	42	16	1
71−6170	Seal − Oil Fill Tube	39	8	1
71−6190	Key − Flywheel	38	5	1
71−6220	Clip − Wire	45	13	1
71−6220	Clip − Wire	47	27	1
71−6240	Screw − HFH	34	19	5
71−6350	Asm−Gear Case	41	13	1
71−6380	Control − Ignition	41	16	1
71−6390	Screw − HH	41	21	3
71−6400	Screw − HWH	41	19	2
71−6410	Insulator − Ignition Module	41	17	1
71−6420	Cable − Spark Plug (9)	45	9	1
71−6430	Hut − HF	45	8	1
71−6440	Nut − HF	45	7	1
71−6450	Screw − HFH	45	11	1
71−6450	Screw − HH	42	13	1
71−6460	Screw − HFH	45	5	2
72−3860	Kit−Choke Shaft	44	1	1
72−3870	Kit−Choke Lever	44	2	1
72−3880	Screw − HWH	48	8	1
72−3890	Screw − HH	48	1	1
72−3900	Screw − HWH	48	10	1
72−3900	Screw − Tapping	47	5	1
72−3930	Kit−Starter Solenoid	49	5	1
72−3940	Kit−Starter Clutch	49	3	1
72−3950	Kit−Dust Seal	49	2	1
72−4080	Decal − Danger (English)	2	61	1
72−4310	Switch − Ball N.C.	31	36	1
72−4320	Switch − Ball	27	44	1
74−0720	Tube − Manual	2	49	1
76−2350	Asm−Seal & Retainer	4	*	1
76−2360	Kit−Body Seal	4	*	1
76−8640	Stud	20	15	1
79−6470	Gasket − Oil Filter Adaptor	40	1	1
80−5080	Support − Manifold	26	26	1
80−5140	Lever − Lift	31	12	1
80−5200	End Cap − Roller	33	2	4
80−5240	Housing − Gear Box	17	3	1
80−5260	Cover − Gear Box	17	5	1
80−5280	Gear	17	22	1
80−5300	Housing − Bearing	17	19	1
80−5320	Housing − Pinion Bearing	17	17	1
80−5330	Sleeve − Follower	17	2	1
80−5380	Manifold	26	27	1
80−5430	Clutch − Water Pump	15	2	1
80−5450	Asm−Hydraulic Pump	20	48	1
80−5460	Asm−Body & Bearing	4	9	1
80−5470	Asm−Cover & Bearing	4	2	1
80−5480	Screw − HH	4	1	8
80−5490	Asm−IGR	4	5	1
80−5500	Shaft	4	10	1
80−5520	Asm−Cover Tube	32	11	1
80−5530	Asm−Clutch	32	4	1
80−5540	Asm−Motor	32	10	1
80−5550	Kit−Seal	32	*	1
80−5560	Asm−Flange Bearing	31	34	2
80−5570	Retainer − Valve Spring	30	15	1
80−5580	Follower − Cam	26	18	1
80−5590	Pilot − Gear Box	30	18	1
80−5600	Spool − Valve	30	1	1
80−5630	Valve − Check	25	9	6
80−5640	Gauge − Pressure	12	5	1
80−5650	Muffler	14	7	1
80−5720	Retainer − Seal	25	2	3
80−5730	Ring − Head Back−Up	25	6	3
80−5730	Ring − Head Back−Up	30	30	1
80−5740	Seal − Packing	30	29	1
80−5740	Seal − Packing Vee	25	5	3
80−5750	Support − Seal/Plunger	25	4	3
80−5751	Support − Seal/Plunger	30	28	1
80−5760	Seal − U−Cup	25	3	3
80−5760	Seal − U−Cup	30	26	1
80−5770	Spring − Compression	30	16	1
80−5780	O−Ring	30	3	1
80−5780	O−Ring	27	39	1
80−5781	Seal − Check Valve	25	10	6
80−5782	O−Ring	26	16	2
80−5782	O−Ring	25	20	1
80−5782	O−Ring	30	37	1
80−5784	O−Ring	26	6	2
80−5786	O−Ring	27	37	11
80−5791	O−Ring	25	8	6
80−5791	O−Ring	26	28	2
80−5793	O−Ring	26	4	2
80−5794	O−Ring	26	2	1
80−5794	O−Ring	25	12	1
80−5920	Key − Collar	23	20	1
80−6090	Key − Pump	21	49	1
80−6110	Kit−Charge Relief Valve	22	*	1
80−6120	Kit−Check Valve	22	1	1
80−6130	Kit−Overhaul Seal	22	*	1
80−6140	Key − Clutch	15	1	1
80−6510	Hose − Water	7	2	1
80−6514	Hose − Water	7	14	1
80−6515	Hose − Water	7	7	1
80−6516	Hose − Water	7	4	1
80−6517	Hose − Water	7	12	1
80−6520	Hose − Water	7	13	1
80−6521	Hose − Gage	25	17	1
80−6521	Hose − Gage	30	34	1
80−6580	Asm−Hub	31	21	2
80−6600	Bracket − Spring	23	13	1
80−6610	Spring − Extension	20	17	1
80−6620	Spring − Extension	23	10	1
80−6630	Tube − Hydraulic	8	31	1
80−6640	Tube − Hydraulic	8	30	1
80−6650	Pulley − Water Pump	23	17	1
80−6660	Collar − Taper Lock	23	19	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
80−6720	Belt − V	20	1	1
80−6730	Belt − V	23	18	2
80−6740	Hose − Water	5	3	1
80−6791	Battery	14	1	1
80−6900	Bracket − Switch	2	33	1
80−6980	Asm−Latch	8	25	2
80−6990	Washer − Thrust	33	24	4
80−7000	Arm − Pivot	13	11	1
80−7020	Fitting − Breather	17	6	1
80−7020	Vent − Filter	24	2	1
80−7030	Shim − Pinion Bearing	17	16	1
80−7031	Shim − Pinion Bearing	17	*	1
80−7032	Shim − Pinion Bearing	17	*	1
80−7033	Shim − Pinion Bearing	17	*	1
80−7040	Shim − Gear/Cam Bearing	17	20	1
80−7041	Shim − Gear/Cam Bearing	17	*	1
80−7042	Shim − Gear/Cam Bearing	17	*	1
80−7043	Shim − Gear/Cam Bearing	17	*	1
80−7050	Shim − Gear Box	15	17	2
80−7051	Shim − Gear Box	15	*	2
80−7052	Shim − Gear Box	15	*	2
80−7053	Shim − Gear Box	15	*	2
80−7060	Shaft − Override	2	45	1
80−7070	Asm−Relief Valve	26	14	1
80−7080	Housing	2	40	1
80−7110	Handle − Traction Control	1	16	1
80−7150	Spring − Compression	2	43	2
80−7160	Arm − Traction	2	51	1
80−7190	Shaft − Pivot	1	14	1
80−7200	Spacer − Brake	1	18	1
80−7220	Asm−Stroke Control Cable	2	38	1
80−7220	Asm−Stroke Control Cable	20	45	1
80−7230	Hub − Override	2	44	1
80−7270	Asm−Choke Control	12	1	1
80−7310	Breaker − Circuit	12	31	1
80−7320	Fitting − Adapter	20	40	1
80−7330	Hose − Hydraulic	20	24	2
80−7330	Hose − Hydraulic	9	45	2
80−7340	Hose − Water	7	11	3
80−7341	Hose − Water	7	6	4
80−7344	Hose − Water	7	1	1
80−7346	Hose − Water	7	8	2
80−7350	Hose − Hydraulic	12	28	1
80−7350	Hose − Hydraulic	20	28	1
80−7360	Hose − Hydraulic	18	35	1
80−7360	Hose − Hydraulic	20	39	1
80−7370	Hose − Hydraulic	3	33	2
80−7370	Hose − Hydraulic	9	35	2
80−7400	Lever − Brake	3	12	1
80−7460	Support − Pump	21	55	1
80−7540	Stop − Speed	13	9	1
80−7580	Rod − Speed Adjustment	13	14	2
80−7590	Spacer	13	16	1
80−7600	Pin − Pivot	13	22	1
80−7630	Asm−Neutral Lever	20	18	1
80−7660	Seal − Button	12	6	1
80−7670	Plate − Speed Control	13	5	1
80−7680	Support − Muffler	14	16	2
80−7700	Bracket − Support	14	24	1
80−7710	Sleeve − Idler Bracket	23	9	1
80−7730	Spacer	13	19	3
80−7770	Tab − Switch	20	9	1
80−7790	Bracket − Alarm	1	11	1
80−7800	Lever − Pump	20	30	1
80−7830	Arm − Pivot	13	23	1
80−7870	Spring − Extension	31	5	2
80−7880	Bolt − U	12	37	2
80−7890	Spring − Compression	13	7	1
80−7900	Panel − Control	12	12	1
80−7960	Bracket − Return	31	9	1
80−7970	Tube − Return	31	8	1
80−8000	Decal − Warning (English)	15	39	1
80−8010	Decal − Warning (English)	31	10	1
80−8010	Decal − Warning (English)	32	12	1
80−8020	Decal − Instruction	2	56	1
80−8030	Decal − Danger	28	6	2
80−8030	Decal − Danger (English)	26	8	2
80−8040	Decal − Warning (English)	15	41	1
80−8050	Decal − Hydroject 3000	8	29	2
80−8070	Decal − Parking Brake	2	58	1
80−8090	Decal − Warning (English)	8	21	3
80−8110	Panel − Engine Control	13	2	1
80−8150	Panel − Control (English)	13	31	1
80−8170	Pulley − Hydraulic Pump	20	4	1
80−8180	Hub − Adapter	15	16	1
80−8210	Feeder − Manifold	27	38	1
80−8220	Cap − Check Valve	25	7	6
80−8220	Plug	26	29	2
80−8230	Plug	27	41	1
80−8270	Bracket − Adjustment	31	4	1
80−8280	Rod − Control	12	2	1
80−8290	Plate − Hot Surface (English)	14	14	3
80−8330	Pivot − Roller	33	16	2
80−8340	Shaft − Pinion	17	12	1
80−8360	Pulley − Idler	23	4	1
80−8400	Lever − Speed Control	13	4	1
80−8430	Cable − Speed Control	13	26	1
80−8440	Control − Throttle	12	19	1
80−8460	O−Ring	30	5	1
80−8470	Ring − Support	30	6	1
80−8500	Cam	17	23	1
80−8510	Block − Weight	17	27	1
80−8530	Flange − Bearing	33	6	4
80−8550	Flange − Bearing	33	5	4
80−8560	Washer	15	27	1
80−8570	Washer	15	15	1
80−8580	Guard − Belt	9	43	1
80−8600	Asm − Water Filter	5	*	1
80−8610	Bracket − Filter	5	14	1
80−8620	Spacer − Coupler	15	23	2
80−8650	Disc − Rubber	15	12	1
80−8660	Spacer − Coupling	15	22	2
80−8680	Stud	26	20	2
80−8680	Stud	2	32	3
80−8680	Stud − Mounting	23	22	2
80−8690	Pin − Pivot	33	18	2
80−8710	Plate − Side	33	21	2
80−8720	Stop − Roller	33	20	4
80−8730	Shaft − Roller	33	3	2
80−8740	Roller	33	1	2
80−8760	Decal − Danger (English)	20	7	1
80−8880	Decal − Warning (English)	28	7	2
80−8880	Decal − Warning (English)	26	9	2
80−8890	Mount − Valve	12	35	1
80−8930	Sump − Water Filter	5	28	1
80−8940	Valve − Bleed	5	16	1
80−8970	Cap − Valve	28	15	1
80−8980	Asm−Piston	28	8	1
80−8990	Ring − Backup	28	10	2
80−9000	Valve − Accumulator	28	12	1
80−9020	Guard − Valve	28	13	1
80−9040	Cap − End	28	9	1
80−9050	Bracket − Nozzle Rear	8	17	3
80−9060	Bracket − Nozzle Front	8	20	3
80−9080	Plate − Hinge	8	10	4
80−9090	Plate − Back−Up	8	7	2
80−9150	Support − Muffler Shield	14	9	1
80−9170	Bracket − Pulley Guard	20	23	1
80−9180	Shield − Manifold	33	10	2
80−9200	Seal − Back−Up	30	19	1
80−9220	Retainer − Seal	30	25	1
80−9240	Panel − Control (English)	1	3	1
80−9260	Plate − Back−Up	8	14	2
80−9270	Bracket − Switch	1	9	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
80−9280	Asm−Switch	1	8	2
80−9290	Button − Switch (Green)	1	5	1
80−9300	Button − Push (Red)	2	57	1
80−9310	Spacer − Hinge	8	13	2
80−9320	Clamp − Traction	20	35	1
80−9330	Asm−Audio Alarm	1	12	1
80−9350	Plate − Hot Surface (English)	14	18	2
80−9390	Guide − Valve	30	27	1
80−9400	Fitting − Straight Bard	25	14	1
80−9410	Fitting − Adapter	30	31	1
80−9450	Decal − Pump	24	6	1
80−9480	Retainer − Tube	25	16	1
80−9480	Tube − Retainer	30	33	1
80−9500	Adapter − Bulkhead	8	23	1
80−9510	Wrench − Water Filter	5	*	1
80−9520	Pulley − Engine	15	3	1
80−9530	Plate − Panel (Europe)	13	2	1
80−9530	Plate − Panel (Japan)	13	2	1
80−9550	Bracket − Relay	12	44	1
80−9560	Gasket − Pilot	30	35	1
80−9600	Head − Water Filter	5	30	1
80−9610	Bushing − Flange	23	8	2
80−9640	Kit−Seal	25	*	1
80−9650	Kit−Check Valve	25	*	1
80−9660	Kit−Rebuild	30	*	1
80−9710	Spring − Conical	26	32	11
80−9730	Guide − Cable	3	2	1
80−9740	Cable − Brake	3	10	1
80−9740	Cable − Brake	1	24	1
80−9750	Valve − Bleed	30	11	1
80−9760	Stop − Clutch	15	5	1
80−9780	Stop − Clutch	15	33	1
80−9790	Shaft − Steering Pivot	3	5	1
80−9800	Flange − Nozzle	26	35	11
80−9830	Tube − Hydraulic	12	26	1
80−9840	Plate − Valve	4	7	1
80−9890	Clamp − Valve	26	13	1
80−9900	Fitting − Valve	26	15	1
80−9910	Disc − Rubber	15	11	1
80−9920	Spacer − Coupler	15	37	2
80−9940	Decal − Service Check	14	41	1
80−9950	Decal − Quick Reference	14	42	1
80−9980	Fitting − Extension	26	3	1
82−0010	Decal − Air Cleaner Maint.	42	4	1
82−0020	Plate − Bearing Rear	34	15	1
82−0040	Nut − Hex.	35	40	20
82−0060	Crankshaft	37	10	1
82−0070	Washer − Spring Retainer	35	48	2
82−0080	Insert − Exhaust Valve	34	24	2
82−0090	Insert − Exhaust Valve	34	*	2
82−0100	Insert − Exhaust Valve	34	*	2
82−0110	Insert − Exhaust Valve	34	*	2
82−0120	Insert − Exhaust Valve	34	*	2
82−0130	Gasket − Cylinder Head	34	9	2
82−0140	Guide − Exhaust Valve	34	26	2
82−0150	Guide − Intake Valve	34	*	2
82−0160	Insert − Intake Valve	34	25	2
82−0170	Insert − Intake Valve	34	*	2
82−0210	Head − Cylinder	34	10	2
82−0220	Valve − Intake	34	22	2
82−0230	Valve − Exhaust	34	23	2
82−0240	Cap − Exhaust Valve	35	43	2
82−0250	Lock − Valve Spring	35	28	8
82−0260	Gasket − Valve Cover	34	6	2
82−0270	Seal − Intake Valve	34	8	2
82−0280	Cover − Valve (Coil)	34	5	1
82−0300	Asm−Piston (Std.)	36	60	2
82−0380	Piston Ring Set (.010 OS)	36	*	2
82−0390	Piston Ring Set (.020 OS)	36	*	2
82−0400	Piston Ring Set (.030 OS)	36	*	2
82−0410	Bushing − Piston Pin	35	41	2
82−0420	Bearing Half − Rod (Std.)	35	35	4
82−0430	Bearing Half − Rod	35	*	4
82−0440	Bearing Half − Rod	35	*	4
82−0450	Bearing Half − Rod	35	*	4
82−0460	Bearing Half − Rod	35	*	4
82−0470	Asm−Connecting Rod	36	58	2
82−0480	Tube − Oil	34	21	1
82−0500	Adapter − Oil Filter	40	2	1
82−0510	Drain − Oil Filter	40	8	1
82−0530	Clamp − Breather Tube	35	32	1
82−0540	Tube − Breather	34	3	1
82−0550	Breather Cap & Valve	34	2	1
82−0560	Screen − Breather Tube	35	33	2
82−0570	O−Ring	35	34	1
82−0590	Asm−Dipstick	39	11	1
82−0610	Flywheel	38	4	1
82−0620	Guard − Stationary	47	2	1
82−0650	Cover − Inner	42	3	1
82−0660	Element − Air Cleaner	42	7	1
82−0670	Manifold − Intake	43	10	1
82−0670	Wrapper − Element	42	6	1
82−0690	Cover − Air Cleaner	42	20	1
82−0700	Tube − Air Intake	42	17	1
82−0710	Housing − Air Cleaner	42	8	1
82−0720	Support − Air Cleaner	42	12	1
82−0740	Kit−Jet	44	6	1
82−0750	Jet − Idle	44	3	1
82−0760	Gasket − Carburetor	44	*	1
82−0790	Jet − Power (Std.)	44	4	1
82−0810	Kit − Throttle Shaft	44	9	1
82−0840	Rod − Governor Control	43	6	1
82−0850	Gasket − Carburetor	44	8	1
82−0850	Gasket − Carburetor	43	17	1
82−0860	Gasket − Manifold	43	14	2
82−0880	Camshaft	37	9	1
82−0900	Gasket − Oil Base	39	2	1
82−0910	Gasket − Gear Case	41	8	1
82−0950	Kit−Gasket (Engine)	35	47	1
82−0960	Kit−Gasket (Carbon Remove)	34	*	1
82−0980	Spacer/Seal	42	5	1
82−1000	Body − Terminal Connector	41	23	2
82−1070	Fitting − 90˚ Elbow	43	3	1
82−1080	Clamp − Hose	46	2	6
82−1080	Clamp − Hose	43	16	2
82−1090	Clamp − Hose	43	2	1
82−1090	Clamp − Hose	42	11	1
82−1100	Hose − Fuel (Cut to 15)	46	1	1
82−1100	Hose − Fuel (Cut to 15)	43	15	1
82−1120	Hose − Breather	43	1	1
82−1180	Plug − Expansion	34	7	1
82−1200	Ring − Retaining	36	56	4
82−1280	Asm−Oil Pump	35	50	1
82−1300	Washer − Flat	35	44	20
82−1310	Washer − Flat	39	3	4
82−1310	Washer − Flat	43	9	4
82−1310	Washer − Flat	35	42	5
82−1320	Washer − Flat	38	2	1
82−1340	Washer − Flat	45	2	2
82−1340	Washer − Flat	43	13	2
82−1350	Washer − Flat	43	12	2
82−1470	Bolt − Connecting Rod	36	59	4
82−1480	Screw − Tapping	34	11	1
82−1510	Screw − HH	40	9	2
82−1520	Gasket − Muffler	14	27	2
82−1540	Screw − HWH	47	26	1
82−1550	Screw − Tapping	42	9	2
82−1580	Decal − Head Bolt Torque	47	23	2
82−1590	Screw − PH	47	1	4
82−1600	Screw − HWH	47	14	2
82−1620	Washer − Lock	36	62	2
82−1650	Washer − Lock	35	45	24
82−1660	Washer − Lock	48	4	1
82−1660	Washer − Lock	41	18	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
82−1670	Nut − Wing	42	2	1
82−1690	Nut − HWH	42	15	1
82−1710	Cover − Valve (Dipstick)	34	*	1
82−1720	Cap − Solenoid	49	7	1
82−1730	Nut − Hex.	49	6	1
82−1740	Spring − Governor Rod	43	7	1
82−1760	Knob	42	1	1
82−1770	Screw − HWH	42	19	3
82−1780	Screw − HWH	47	29	3
83−5440	Decal − Danger (Swedish)	28	6	1
83−5440	Decal − Danger (Swedish)	26	8	1
83−5590	Decal − Danger (Italian)	28	6	1
83−5590	Decal − Danger (Italian)	26	8	1
83−5800	Decal − Danger (German)	28	6	1
83−5800	Decal − Danger (German)	26	8	1
83−5910	Decal − Danger (Spanish)	28	6	1
83−5910	Decal − Danger (Spanish)	26	8	1
83−6010	Decal − Danger (Japan)	2	61	1
83−6020	Decal − Danger (Japan)	28	6	1
83−6030	Decal − Warning (Japan)	15	41	1
83−6040	Decal − Danger (Japan)	20	7	1
83−6050	Decal − Warning (Japan)	8	21	3
83−6060	Decal − Instruction (Japan)	2	56	1
83−6070	Decal − Warning (Japan)	15	39	1
83−6080	Panel − Control (Japan)	13	31	1
83−6090	Panel − Control (Japan)	1	3	1
83−6100	Decal − Engine Control	13	2	1
83−6110	Decal − Warning (Japan)	28	7	1
83−6110	Decal − Warning (Japan)	26	9	1
83−6120	Decal − Parking Brake	2	58	1
83−6130	Plate − Hot Surface (Japan)	14	14	3
83−6140	Plate − Hot Surface (Japan)	14	18	2
83−6150	Decal − Warning (Japan)	31	10	1
83−6150	Decal − Warning (Japan)	32	12	1
83−6170	Decal − Danger (French)	28	6	1
83−6170	Decal − Danger (French)	26	8	1
84−2000	Bracket − Brake Plate	3	29	1
86−8110	Extension − Nozzle	26	36	11
86−8130	Nozzle (#56) (Opt.)	26	*	6
86−8131	Nozzle (#53) (Std.)	26	30	11
86−8133	Nozzle (#46) (Opt.)	26	*	6
86−8140	Retainer − Nozzle	27	43	11
86−8150	Washer	26	31	11
86−8160	Asm−Electric Clutch	15	8	1
86−8170	Asm−Armature & Hub	16	5	1
86−8270	Arm − Steering	3	37	1
86−8290	Support − Cable	3	36	1
86−8310	Sleeve − Plunger	30	7	1
86−8320	Washer − Slotted	30	23	1
86−8360	Crankshaft	24	15	1
86−8380	Rod − Connecting	24	13	3
86−8420	Lever − Brake	1	21	1
86−8450	Cover − Lower	2	50	1
86−8460	Cap − Battery	14	44	6
86−8470	Cable − Battery (Neg.)	14	39	1
86−8480	Cable − Battery (Pos.)	14	*	1
86−8510	Asm−Handle	2	30	1
86−8550	Kit − Valve Repair	29	*	1
86−8570	Flange − Crankcase	24	27	1
86−8580	Flange − Crankcase	24	9	1
86−8600	Spacer − Steering	3	3	1
86−8610	Screw − HFH	26	34	22
86−8630	Element − Water Filter	5	27	1
86−8640	Fitting − Adapter	5	26	1
86−8650	Stop − Clutch	15	7	1
86−8680	Bracket − Clutch Retainer	15	35	2
86−8690	Shaft − Lift	31	19	1
86−8720	Shim − .002 Red	24	8	A/R
86−8721	Shim − .005 Blue	24	*	A/R
86−8722	Shim − .015 Pink	24	*	A/R
86−8723	Shim − .020 Yellow	24	*	A/R
86−8730	Gasket	24	19	1
86−8740	Pin − Connecting Rod	24	24	3
86−8750	Guide − Plunger	24	28	3
86−8760	Seal	24	11	1
86−8770	Seal	24	29	3
86−8780	Bearing − Tapered	24	23	2
86−8790	Key	24	18	1
86−8810	Crankcase	24	5	1
86−8820	Rod − Plunger	24	12	3
86−8830	Stud − Head	24	1	8
86−8830	Stud − Head	25	19	8
86−8830	Stud − Head	23	23	8
86−8840	Bearing Set − Split	24	14	3
86−8850	Cover − Crankcase	24	20	1
86−8860	Dipstick	24	3	1
86−8870	Bracket − Idler	23	5	1
86−8890	Spacer − Pulley	23	2	1
86−8900	Asm−Water Pump Crankcase	23	1	1
86−8910	Asm−Frame	9	38	1
86−8920	Wire Harness − Tiller	11	*	1
86−8930	Wire Harness − Control	11	*	1
86−8940	Wire Harness − Main	11	*	1
86−8950	Shaft − Coupler	15	24	1
86−8990	Asm−Engine	14	40	1
86−9030	Tube − Limit	31	2	1
86−9060	Control − Electric	12	32	1
86−9070	Seat − Valve	30	2	1
86−9080	Head − Oil Filter	12	24	1
86−9090	Bracket − Filter	9	41	1
86−9100	Asm−Pre−Filter	8	3	1
86−9110	Head	10	1	1
86−9120	Trapper − Sediment	10	4	1
86−9130	Valve − Flush	10	5	1
86−9140	Screen − 100 Mesh	10	3	1
86−9150	Kit − O−Ring Seal	10	2	1
86−9160	Adapter − Bulkhead	5	43	1
86−9170	Asm−Regulator Valve	5	36	1
86−9180	Regulator Repair Kit	5	*	1
92−0925	Insert − Intake Valve	34	*	2
92−0926	Insert − Intake Valve	34	*	2
92−0927	Insert − Intake Valve	34	*	2
92−0928	Stud − Cylinder Head Btm.	35	36	8
92−0929	Stud − Cylinder Head Top	35	*	4
92−0932	Stud − Cylinder Head Mid.	35	*	8
92−0934	Asm−Piston (.005 OS)	36	*	2
92−0935	Asm−Piston (.010 OS)	36	*	2
92−0936	Asm−Piston (.020 OS)	36	*	2
92−0937	Asm−Piston (.030 OS)	36	*	2
92−0938	Pin − Piston	36	61	2
92−0939	Piston Ring Set (Std.)	36	57	2
92−0940	Piston Ring Set (.005 OS)	36	*	2
92−0941	Gear − Crankshaft	37	11	1
92−0942	Asm−Oil Base	39	7	1
92−0943	Plug − Pipe	39	12	1
92−0944	Cup − Oil Pump Intake	39	1	1
92−0945	Hose − Breather	42	10	1
92−0946	Plate − Air Deflector	42	18	1
92−0947	Tube − Oil Fill	39	9	1
92−0948	Housing − Blower	47	3	1
92−0949	Housing − Cylinder LH	47	15	1
92−0950	Housing − Cylinder RH	47	21	1
92−9530	Plunger − Switch	28	3	1
92−9531	Retainer − Plunger	28	1	1
92−9532	Spring − Compression	28	2	1
92−9535	O−Ring	28	5	1
92−9536	Ring − Backup	28	4	2
92−9537	Bracket − Regulator	5	42	1
92−9538	Strap − Regulator	5	33	1
92−9542	Decal − Filter (English)	8	26	2
92−9543	O−Ring	5	29	1
92−9547	Bracket − Angle	24	21	2
93−0307	Nut − Retainer	31	37	2
93−0309	Washer − Tab	31	28	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–1563	Decal – Filter (Italian)	8	26	1
93–1651	Decal – Filter (Japan)	8	26	2
93–1652	Decal – Filter (Swedish)	8	26	1
93–1654	Decal – Filter (German)	8	26	1
93–1655	Decal – Filter (Spanish)	8	26	1
93–1656	Decal – Filter (French)	8	26	1
93–1663	Arm – Lift	31	33	2
93–1667	Asm–Accumulator	26	7	1
93–1669	Shield – Muffler	50	8	1
93–1670	Shield – Exhaust	50	9	2
93–1671	Tube – Spacer	50	7	2
93–1672	Shield – Pulley	50	2	1
93–1673	Shield – Pulley	50	3	1
93–1674	Cap – End	28	11	1
93–1676	Asm–Carburetor	43	4	1
93–1677	Kit–Carburetor Repair	44	7	1
93–1691	Lever – Valve	12	42	1
93–3101	Cap – Fuel	5	5	1
93–6668	Decal – Battery (Europe)	14	46	1
93–7170	Cap – Fuel (Europe)	5	5	1
93–7252	Decal – C.E. (Europe)	2	64	1
93–7276	Decal – Danger (Europe)	14	45	1
93–7814	Decal – Warning (Europe)	15	41	1
93–9358	Decal – Service (Europe)	14	41	1
93–9359	Decal – Reference (Europe)	14	42	1
93–9360	Decal – Pump (Europe)	24	6	1
93–9361	Decal – Warning (Europe)	28	7	1
93–9361	Decal – Warning (Europe)	26	9	1
93–9362	Panel – Control (Europe)	13	31	1
93–9363	Decal – Parking Brake	2	58	1
93–9364	Decal – Engine Control	13	2	1
93–9365	Decal – Warning (Europe)	8	21	1
93–9367	Decal – Warning (Europe)	31	10	1
93–9367	Decal – Warning (Europe)	32	12	1
93–9368	Panel – Control (Europe)	1	3	1
93–9369	Decal – Warning (Europe)	2	56	1
93–9370	Decal – Danger (Europe)	20	7	1
93–9371	Decal – Danger (Europe)	2	61	1
93–9372	Decal – Filter (Danish)	8	26	1
93–9373	Decal – Filter (Dutch)	8	26	1
93–9377	Decal – Filter (Finnish)	8	26	1
93–9379	Decal – Filter (Norwegian)	8	26	1
93–9380	Decal – Filter (Portuguese)	8	26	1
93–9383	Decal – Danger (Danish)	28	6	1
93–9383	Decal – Danger (Danish)	26	8	1
93–9384	Decal – Danger (Dutch)	28	6	1
93–9384	Decal – Danger (Dutch)	26	8	1
93–9385	Decal – Danger (Finnish)	28	6	1
93–9385	Decal – Danger (Finnish)	26	8	1
93–9386	Decal – Danger (Norwegian)	28	6	1
93–9386	Decal – Danger (Norwegian)	26	8	1
93–9387	Decal – Danger (Portuguese)	28	6	1
93–9387	Decal – Danger (Portuguese)	26	8	1
93–9388	Decal – Warning, Tiller Arm	2	63	1
93–9429	Decal – Warning	2	63	1
94–9839	Asm–Short Block	34	1	1
95–5675	Fitting – 90˚ Elbow	5	24	2
95–5676	Fitting – Reducer	5	47	2
95–5677	Kit – Seal, Valve	29	*	1
98–3449	Ring–Snap	4	22	1
217–60	Rim – Wheel	3	21	1
217–60	Rim – Wheel	31	23	2
218–446	Nut – Lock	12	8	1
218–447	Washer – Lock	12	7	1
218–498	Nut – Locking	1	4	1
232–27	Stem – Valve	3	24	1
232–27	Stem – Valve	31	29	2
233–17	Knob	12	3	1
237–22	O–Ring	21	51	1
237–25	O–Ring	24	7	2
237–25	O–Ring	17	21	1
237–30	O–Ring	12	25	2
237–30	O–Ring	20	25	2
237–30	O–Ring	17	31	1
237–30	O–Ring	3	32	2
237–30	O–Ring	9	36	6
237–42	O–Ring	20	41	2
237–78	O–Ring	17	32	1
237–79	O–Ring	24	4	1
237–79	O–Ring	17	8	3
237–79	O–Ring	12	23	2
237–79	O–Ring	20	27	2
237–80	O–Ring	3	30	2
237–81	O–Ring	17	29	1
237–170	O–Ring	25	1	3
237–171	Seal – Cover	17	4	1
237–172	O–Ring	17	15	1
237–173	O–Ring	30	36	1
237–178	O–Ring	30	24	1
240–3	Grommet	8	28	2
240–11	Grommet	5	37	4
240–12	Grommet	1	29	1
240–14	Bumper	15	6	2
240–14	Bumper – Rubber	14	23	1
241–119	Cap – Hub	31	26	2
242–50	Nut – Lug	3	23	4
242–50	Nut – Lug	31	24	8
2411–34	Joint – Ball	20	43	1
2411–34	Joint – Ball	2	46	1
2411–50	Eye – Rod L.H. Thread	13	20	2
2411–51	Eye – Rod R.H. Thread	13	13	2
2412–36	Clamp – Hose	5	10	2
2412–41	Clamp – R	5	13	2
2412–94	Clamp – R	2	36	1
2412–108	Clamp – Hose	5	8	1
2412–108	Clamp – Hose	14	29	1
2412–108	Clamp – Hose	17	34	1
2412–108	Clamp – Hose	20	38	1
2412–108	Clamp – Hose 3/8	7	10	20
2412–120	Clamp – R	2	47	2
2412–126	Clamp – R	14	34	2
2412–129	Clamp – Hose 3/4	7	9	8
2412–147	Clamp – R	8	2	2
251–259	Bearing – Ball	20	20	2
251–351	Bearing – Ball	33	25	4
253–129	Seal – Bearing	31	32	2
253–148	Seal – Input Shaft	18	36	1
253–167	Seal – V	33	4	4
253–168	Seal – Oil	30	20	1
254–61	Cup – Bearing	17	10	3
254–62	Cone – Bearing	17	11	3
254–67	Cup – Bearing	17	14	1
254–68	Cone – Bearing	17	13	1
254–72	Cup Bearing	31	31	4
254–94	Cone – Bearing	31	30	4
255–12	Ball – Check	26	33	11
255–13	Ball – Steel	30	38	1
256–90	Bushing – Sleeve	1	13	3
256–113	Bushing – Flange	20	8	2
256–116	Bushing – Flange	13	8	6
256–206	Bushing – Sleeve	1	19	1
256–245	Bushing – Flange	8	33	2
256–268	Bushing – Flange	31	1	2
256–315	Bushing – Sleeve	30	17	1
256–318	Bushing – Nyliner	33	15	4
281–2	Plug – Hex. Hd.	39	5	1
283–62	Pin – Clevis	3	11	1
283–67	Pin – Clevis	13	25	1
288–4	Cap – Drain	14	33	1
289–48	Nipple – Drain	14	32	1
2811–7	Fitting – Breather 90˚	18	37	1
2811–10	Fitting – Drain 90˚	14	31	1
302–5	Fitting – Grease	31	3	1
302–5	Fitting – Grease	20	11	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
302−5	Fitting − Grease	8	34	1
304−75	Fitting − Hydraulic 90°	20	37	1
304−99	Fitting − 90° Elbow	17	33	1
304−101	Fitting − Barb	25	15	1
304−101	Fitting − Barb	30	32	1
321−3	Screw − HH	45	1	2
321−3	Screw − HH	12	13	4
321−3	Screw − HH	15	36	1
321−4	Screw − HH	3	15	4
321−4	Screw − HH	23	21	2
321−4	Screw − HH	8	27	6
321−6	Screw − HH	35	49	2
321−10	Screw − HH	20	29	2
321−11	Screw − HH	35	31	2
321−28	Screw − HH	8	19	2
322−1	Screw − HH	14	12	2
322−3	Screw − HH	13	6	2
322−3	Screw − HH	24	10	16
322−3	Screw − HH	14	17	2
322−3	Screw− HH	8	5	2
322−4	Screw − HH	14	8	2
322−4	Screw − HH	17	9	8
322−4	Screw − HH	15	25	2
322−5	Screw − HH	40	4	2
322−5	Screw − HH	21	52	1
322−9	Screw − HH	41	15	4
322−11	Screw − HH	50	4	2
322−12	Screw − HH	43	11	2
322−17	Screw − HH	20	16	1
322−22	Screw − Mounting	49	11	2
323−2	Screw − HH	24	17	1
323−2	Screw − HH	15	28	1
323−2	Screw − HWH	33	9	6
323−4	Screw − HH	28	14	2
323−4	Screw − HH	13	30	2
323−5	Screw − HH	17	18	8
323−5	Screw − HH	26	22	12
323−5	Screw − HH	5	34	4
323−6	Screw − HH	26	5	4
323−6	Screw − HH	23	11	1
323−6	Screw − HH	12	21	3
323−6	Screw − HH	14	21	2
323−6	Screw − HH	15	34	2
323−6	Screw − HH	21	58	4
323−7	Screw − HH	13	12	2
323−7	Screw − HH	31	17	3
323−9	Screw − HH	14	4	1
323−12	Screw − HH	23	7	1
323−13	Screw − HH	27	40	7
323−14	Screw − HH	43	8	4
323−14	Screw − HH	13	17	1
323−17	Screw − HH	26	12	4
323−19	Screw − HH	14	37	4
323−25	Screw − HH	39	4	4
323−29	Screw − HH	1	17	1
323−44	Screw − HWH	15	19	2
323−46	Screw − HWH	15	20	2
323−52	Screw − HH	17	25	4
324−6	Screw − HH	20	5	2
324−26	Screw − HH	26	19	4
325−4	Screw − HH	26	25	1
325−5	Screw − HH	26	23	1
325−6	Screw − HH	3	4	4
325−12	Screw − HH	26	24	1
325−14	Screw − HH	3	1	4
325−14	Screw − HH	31	35	1
325−17	Screw − HH	21	57	1
325−22	Screw − HH	31	15	1
3210−8	Screw − HH	15	14	3
3210−14	Screw − HH	15	9	2
3211−38	Screw − HH	15	26	1
3213−7	Screw − HH	23	6	1
3217−5	Nut	14	25	1
3217−5	Nut − Lock	15	32	3
3217−16	Nut − Hex.	2	55	4
3218−1	Nut − Jam	20	3	2
3219−20	Nut − Hex. (L.H. Thread)	13	35	2
3219−28	Nut − Hex.	25	18	8
3219−28	Nut − Lock	23	24	8
3220−1	Nut − Jam	2	39	2
3220−1	Nut − Jam	20	44	1
3220−2	Nut − Lock	12	43	2
3220−3	Nut − Jam	13	15	2
3220−6	Nut − Jam	20	19	2
3220−6	Nut − Jam	2	62	2
3220−7	Nut − Slotted	31	27	2
3220−23	Nut − Jam	30	22	1
3229−1	Bolt − Carriage	8	9	12
3229−1	Bolt − Carriage	1	27	1
3230−1	Bolt − Carriage	5	15	3
3230−2	Screw − Carriage	5	46	2
3230−8	Bolt − Carriage	33	22	4
3230−22	Bolt − Carriage	31	18	6
3234−4	Screw − HWH	8	18	6
3234−14	Screw − HWH	33	13	2
3234−24	Screw − HFH	9	40	2
3234−24	Screw − HWH	33	12	10
3234−25	Screw − HWH	33	23	4
3245−5	Screw − Set	20	2	2
3247−4	Screw − Set	36	63	4
3250−35	Screw	2	53	4
3253−3	Washer − Lock	12	14	2
3253−3	Washer − Lock	14	22	1
3253−3	Washer − Lock	15	31	3
3253−4	Washer − Lock	14	5	8
3253−4	Washer − Lock	50	5	2
3253−4	Washer − Lock	24	22	12
3253−4	Washer − Lock	21	53	3
3253−21	Washer − Lock	14	20	2
3253−21	Washer − Lock	23	25	1
3253−21	Washer − Lock	15	29	1
3253−21	Washer − Lock	12	30	2
3253−21	Washer − Lock	27	42	4
3254−6	Washer − I.T.L.W.	33	26	6
3254−9	Washer − I.T.L.W.	2	54	4
3254−9	Washer − Lock	20	32	2
3255−9	Washer − E.T.L.W.	14	38	1
3256−2	Washer − Flat	2	42	4
3256−2	Washer − Flat	27	45	22
3256−14	Washer − Flat	1	2	4
3256−14	Washer − Flat	13	32	8
3256−22	Washer − Flat	8	12	10
3256−22	Washer − Flat	12	15	7
3256−23	Washer − Flat	8	4	2
3256−23	Washer − Flat	50	6	2
3256−23	Washer − Flat	15	10	4
3256−23	Washer − Flat	14	13	6
3256−23	Washer − Flat	20	14	2
3256−23	Washer − Flat	1	25	1
3256−23	Washer − Flat	13	34	2
3256−24	Washer − Flat	14	3	3
3256−24	Washer − Flat	12	18	2
3256−24	Washer − Flat	15	18	10
3256−24	Washer − Flat	1	22	1
3256−24	Washer − Flat	8	24	2
3256−25	Washer − Flat	20	47	2
3256−26	Washer − Flat	31	7	1
3256−26	Washer − Flat	23	26	2
3256−28	Washer − Flat	33	8	4
3256−29	Washer − Flat	5	39	2
3256−42	Washer − Flat	5	41	2
3256−56	Washer − Flat	24	16	1
3256−68	Washer − Flat	33	14	2
3257−15	Key − Woodruff	4	11	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3269−25	Rivet − Pop	8	16	8
3269−32	Rivet − Pop	14	15	10
3269−32	Rivet − Pop (Japan)	1	1	4
3269−32	Rivet − Pop (Japan)	13	33	6
3272−2	Pin − Cotter	12	39	1
3272−4	Pin − Cotter	13	27	1
3272−10	Pin − Cotter	1	7	1
3272−10	Pin − Cotter	3	9	1
3272−13	Pin − Cotter	31	25	2
3274−10	Screw − HSH	14	6	4
3274−10	Screw − Socket Hd.	17	1	2
3274−83	Screw − Socket Hd.	30	13	6
3290−313	Screw − PH	2	35	2
3290−354	Plate − Nut	2	37	1
3290−378	Tie − Cable	11	*	5
3290−378	Tie − Cable	50	1	6
3290−378	Tie − Cable	7	3	4
3290−378	Tie − Cable	21	59	1
3290−379	Tie − Cable	11	*	4
3290−410	Tie − Cable	20	21	1
3290−494	Washer − Rubber	5	1	1
3296−2	Nut − Lock	12	20	4
3296−2	Nut − Lock	2	59	1
3296−3	Nut − Lock	2	41	3
3296−3	Nut − Lock	20	42	1
3296−6	Nut − Lock	16	4	3
3296−15	Nut − Lock	33	7	2
3296−19	Nut − Lock	23	16	2
3296−19	Nut − Lock	26	21	2
3296−20	Nut − Lock	15	13	2
3296−23	Nut − Lock	3	27	4
3296−23	Nut − Lock	21	54	1
3296−28	Nut − Lock	23	3	1
3296−28	Nut − Lock	2	31	3
3296−29	Nut − Lock	13	1	2
3296−29	Nut − Lock	20	13	2
3296−29	Nut − Lock	31	16	6
3296−29	Nut − Lock	33	19	16
3296−29	Nut − Lock	5	38	5
3296−29	Nut − Lock	9	42	2
3296−39	Nut − Lock	33	11	10
3296−39	Nut − Lock	23	14	1
3296−39	Nut − Lock	31	14	3
3296−39	Nut − Lock	12	17	1
3296−39	Nut − Lock	13	18	3
3296−39	Nut − Lock	17	26	4
3296−39	Nut − Lock	9	44	2
3296−39	Nut − Lock	21	56	4
3296−42	Nut − Lock	8	8	26
3296−42	Nut − Lock	3	14	4
3296−42	Nut − Lock	1	26	1
3296−42	Nut − Lock	12	33	6
3296−42	Nut − Lock	20	36	2
3296−45	Nut − Lock	31	6	2
3296−45	Nut − Lock	3	34	2
3296−49	Nut − Lock	5	40	2
3296−56	Nut − Lock	23	15	1
3296−56	Nut − Lock	13	24	2
3296−59	Nut − Lock	13	21	2
3296−59	Nut − Lock	1	23	1
32104−60	Screw − HWH	1	1	8
32104−60	Screw − HWH	20	10	2
32104−60	Screw − HWH	13	33	8
32104−76	Screw − Hex. Slotted Hd.	2	48	2
32104−95	Screw − HFH	12	45	4
32104−95	Screw − HWH	20	22	2
32104−95	Screw − HWH	1	28	6
32104−95	Screw − HWH	15	42	1
32105−2	Screw − HFH	2	60	1
32105−2	Screw − HH	12	10	2
32105−5	Screw − HH	12	34	2
32105−25	Screw − Round Hd.	20	33	2
32120−37	Ring − Retaining	30	21	1
32121−34	Pin − Roll	20	34	1
32121−42	Pin − Roll	17	24	4
32121−48	Pin − Roll	30	12	1
32121−66	Pin − Roll	31	13	3
32121−79	Pin − Roll	1	15	2
32128−21	Nut − Flange Lock	14	35	4
32128−37	Nut − Flange Lock	20	46	2
32144−22	Screw − HWH	3	35	2
32144−41	Screw − HH	5	12	4
32144−53	Screw − Hex. Socket Hd.	15	30	1
32144−67	Screw − HWH	15	40	1
32144−114	Screw − HH.	14	10	5
32148−9	Nut − Insert	9	46	3
32149−10	Nut − Lock	14	43	2
32151−44	Ring − Retaining	9	39	1
32151−47	Ring − Retaining	13	10	1
32151−65	Ring − Retaining	24	25	6
32151−99	Ring − Retaining	30	14	1
32152−1	Nut − Lock	14	26	2
32152−5	Nut − Lock	15	21	2
340−4	Fitting − Hydraulic Straight	20	26	2
340−6	Fitting − Hydraulic, Straight	3	31	2
340−54	Fitting − Hydraulic 45˚	21	50	1
340−98	Fitting − Hydraulic 90˚	12	22	2
340−98	Fitting − Hydraulic 90˚	17	30	1
340−127	Nut − Bulkhead	8	32	4
340−161	Fitting − Hydraulic Bulkhead	9	37	2
353−550	Fitting − Plug	17	7	2
353−550	Plug − Drain	24	26	1
354−82	Asm−Plug	25	13	3
354−82	Plug	26	1	1
354−88	Coupler − Female	5	44	1
354−89	Coupler − Male	5	45	1
354−92	Fitting − Reducer	26	10	1
354−93	Fitting − 90˚ Elbow	26	11	1
354−93	Fitting − 90˚ Elbow	12	38	2
354−98	Fitting − Adapter	8	1	2
354−98	Fitting − Straight	5	31	2
354−100	Fitting − 90˚ Elbow	5	6	2
354−101	Fitting − 90˚ Elbow	5	25	1
354−102	Asm−Hydraulic Fitting	12	4	1
354−106	Fitting − 90˚ Elbow	5	17	1
354−107	Fitting − Tee	7	5	2
354−109	Fitting − Adaptor	5	2	1
354−113	Cap − Pipe	8	22	1
354−133	Fitting − Tee	5	32	1
355−1	Fitting − Tee	5	18	4
355−2	Fitting − 90˚ Elbow	5	19	2
355−4	Cap	5	23	2
355−5	Strainer	5	21	6
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
Handle Assembly	1–2
Front Wheel Assembly	3
Hydraulic Drive Motor Assembly No. 66–5293	4
Fuel Tank & Water Inlet Assembly	5
Water System Schematic	6
Water System Hose Routing Diagram	7
Frame & Cover Assembly	8–9
Pre–Filter Assembly No. 86–9100	10
Electrical Schematic	11
Control Panel Assembly	12
Control Linkage Assembly	13
Engine Installation Assembly	14
Gear Box Drive Assembly	15
Electric Clutch Assembly No. 86–8160	16
Gear Box Assembly	17–18
Hydraulic Schematic	19
Hydraulic Pump Installation Assembly	20–21
Hydraulic Pump Assembly No. 80–5450	22
Water Pump Installation Assembly	23
Water Pump Crankcase Assembly No. 86–8900	24
Water Pump Head Assembly	25
Water Manifold & Valve Assembly	26–27
Accumulator Assembly No. 93–1667	28
Relief Valve Assembly No. 80–7070	29
Water Valve Assembly	30
Rear Axle Assembly	31
Lift Actuator Assembly No. 14–5219	32
Roller Assembly	33
Engine Cylinder Block Assembly	34–36
Engine Camshaft & Crankshaft Assembly	37
Engine Flywheel Assembly	38
Engine Oil Base Assembly	39
Engine Oil Filter Assembly	40
Engine Ignition Control Assembly	41
Engine Air Cleaner Assembly	42
Engine Fuel System Assembly	43
Engine Carburetor Assembly No. 82–0770	44
Engine Electronic Ignition Assembly	45
Engine Fuel Pump & Filter Assembly	46
Engine Housing Assembly	47
Engine Choke Control Assembly	48
Engine Starter Assembly	49
Shield Assembly (Europe)	50
TORO Part Number Index	51–58

Japanese parts kit number 93–1657 contains all of the individual parts on the preceding pages designated as (Japan).

MAINTENANCE RECORD

Date								