FORM NO. 3316–175

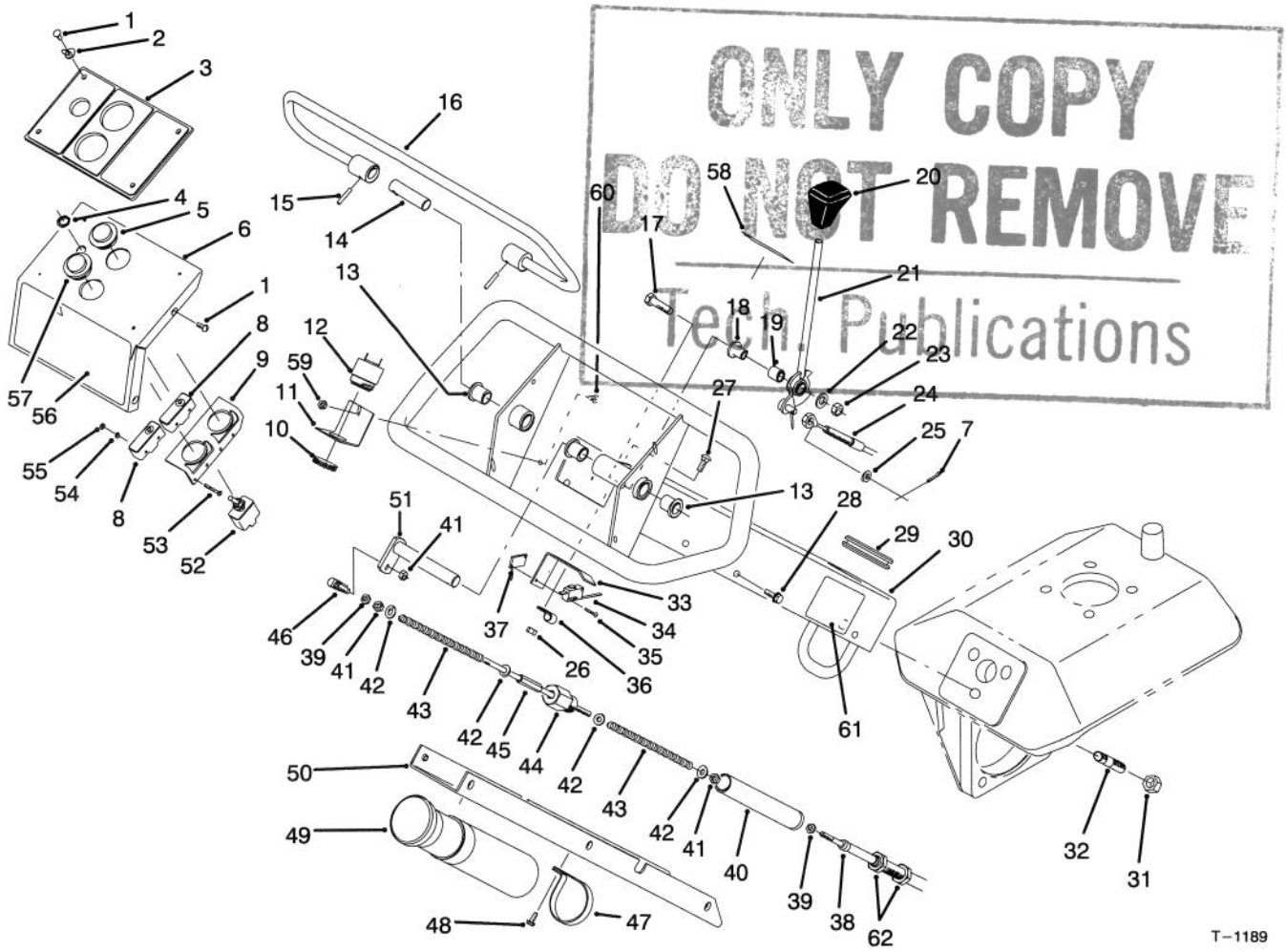
TORO

MODEL NO. 09801–40001 & UP

PARTS CATALOG

HYDROJECT™ 3000 AERATOR

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Tech. Publications



T–1189

HANDLE ASSEMBLY

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

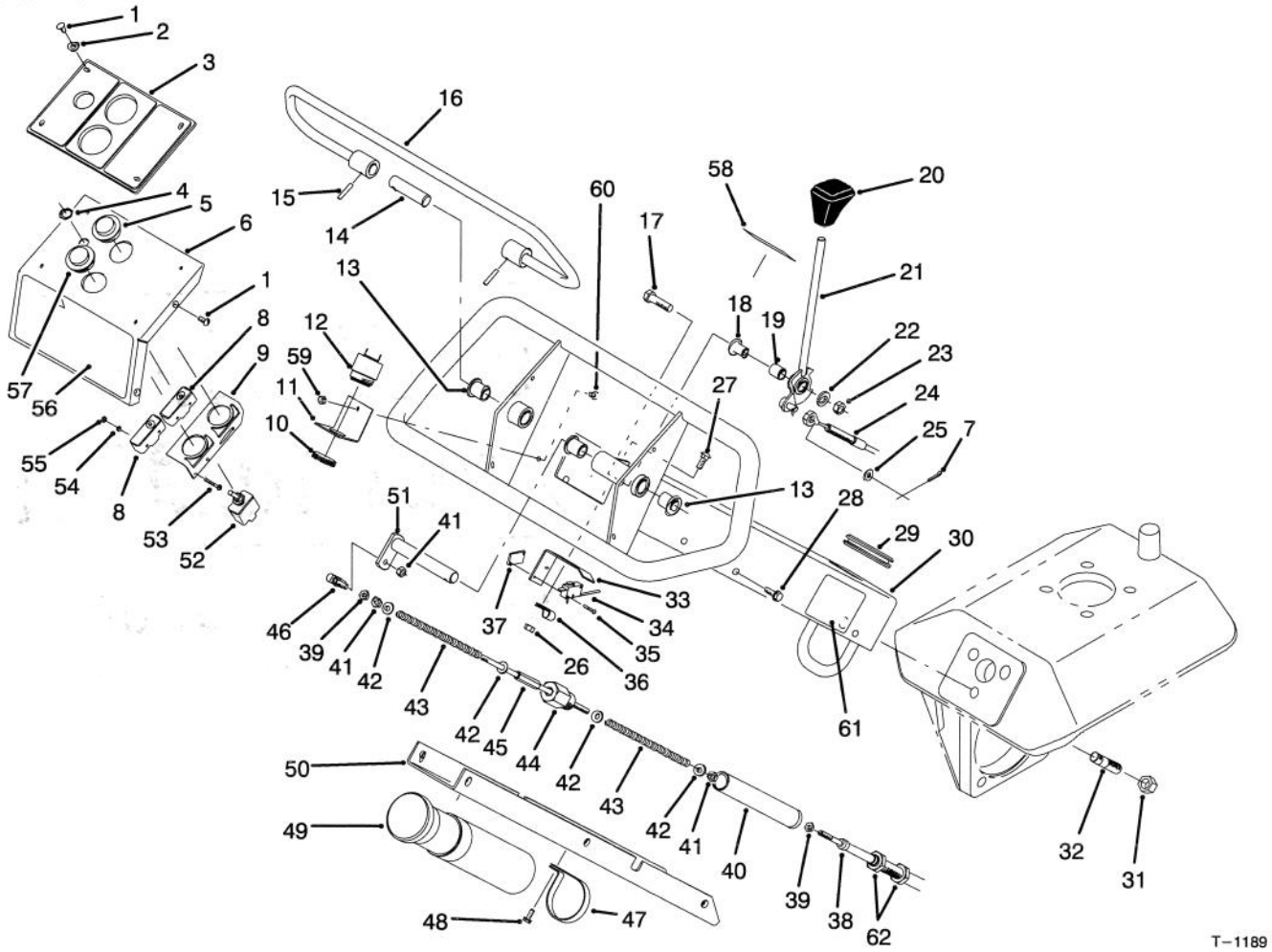
Ref. No.	Part No.	Description	No. Used
16	80–7110	Handle – Traction Control	1
17	323–29	Screw – Cap Hex. Hd.	1
18	80–7200	Spacer – Brake	1
19	256–206	Bushing – Sleeve	1
20	65–8970	Knob	1
21	86–8420	Lever – Brake	1
22	3256–24	Washer – Flat	1
23	3296–59	Nut – Lock	1
24	80–9740	Cable – Brake	1
25	3256–23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

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

TPS

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3316–175

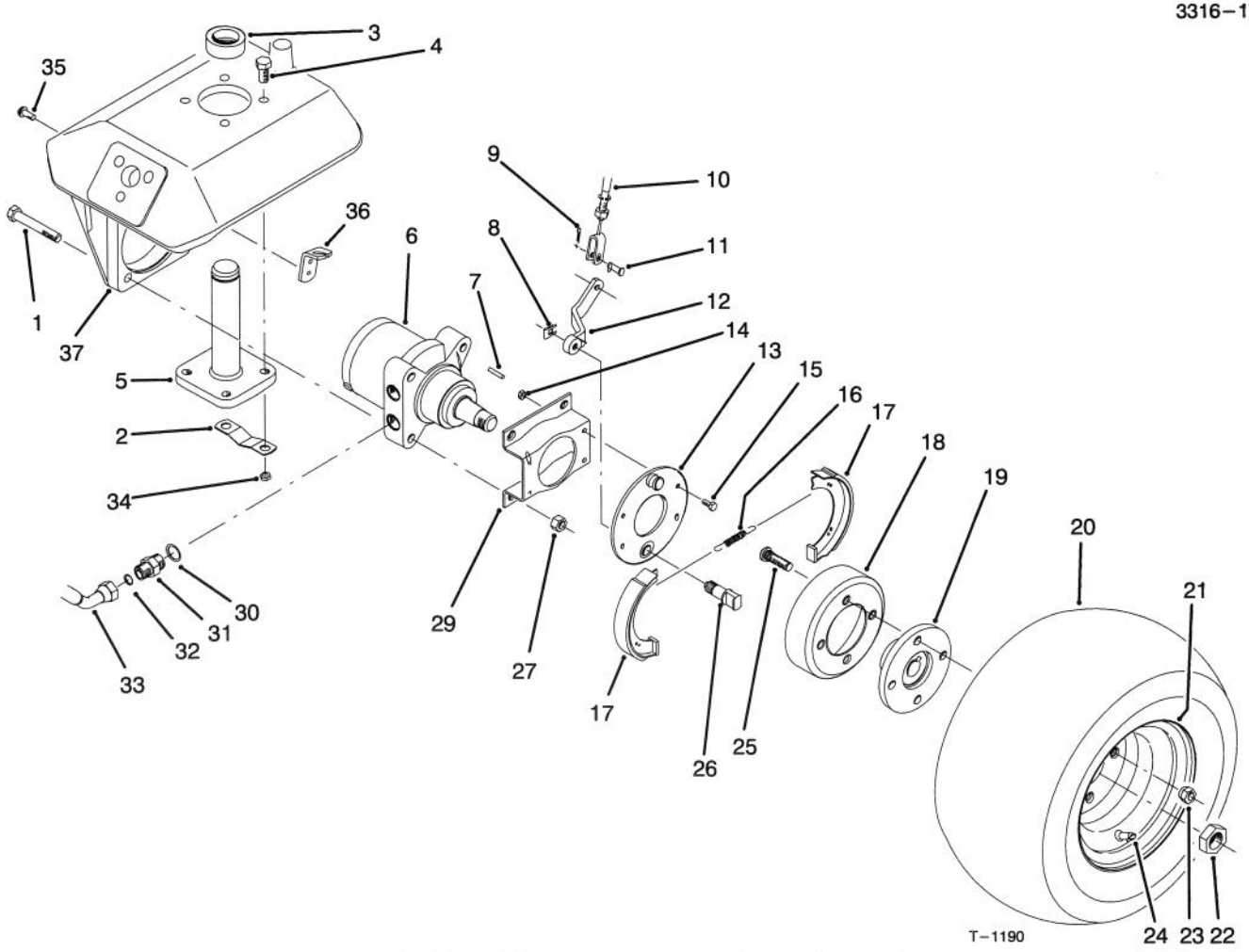


HANDLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
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 – Pan Hd.	2
36	2412–94	Clamp – R	1
37	3290–354	Plate – Nut	1
38	80–7220	Stroke Control Cable Assy. (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

Ref. No.	Part No.	Description	No. Used
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
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
57	80–9300	Button – Push (Red)	1
‡58	80–8070	Decal – Parking Brake (English)	1
59	3296–2	Nut – Lock	1
60	32105–2	Screw – Hex. Flange Hd.	1
61	72–4080	Decal – Danger (English)	1
62	3220–6	Nut – Jam	2

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

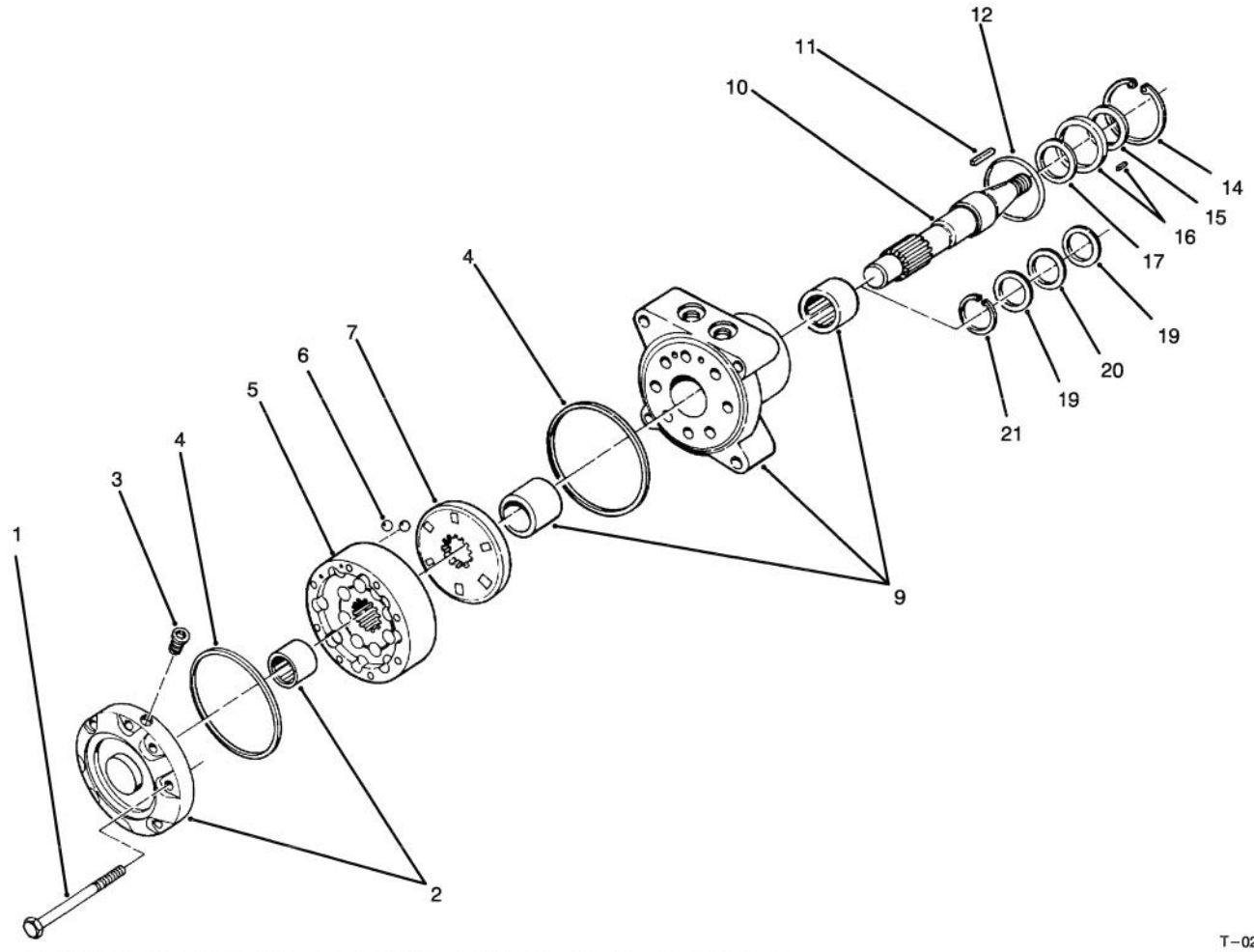


FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	325–14	Screw – Cap Hex. Hd.	4
2	80–9730	Guide – Cable	1
3	86–8600	Spacer – Steering	1
4	325–6	Screw – Cap Hex. Hd.	4
5	80–9790	Shaft – Steering Pivot	1
6	66–5293	Motor – Hydraulic (Incl. Ref. #7)	1
7	65–4640	Key – Square	1
8	70–9850	Clip – Retaining	1
9	3272–10	Pin – Cotter	1
10	80–9740	Cable – Brake	1
11	283–62	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 – Cap Hex. Hd.	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	Seal – O–Ring	2
31	340–6	Fitting – Hydraulic St. (Incl. Ref. #30 & 32)	2
32	237–30	Seal – O–Ring	2
33	80–7370	Hose – Hydraulic	2
34	3296–45	Nut – Lock	2
35	32144–22	Screw – Hex. Washer Hd.	2
36	86–8290	Support – Cable	1
37	86–8270	Arm – Steering	1
*	71–1500	Brake Assembly (Incl. Ref. #8, 13, 16, 17 & 26)	1

*Not Illustrated
‡For different language versions of this part, see International Decal Cross Reference.



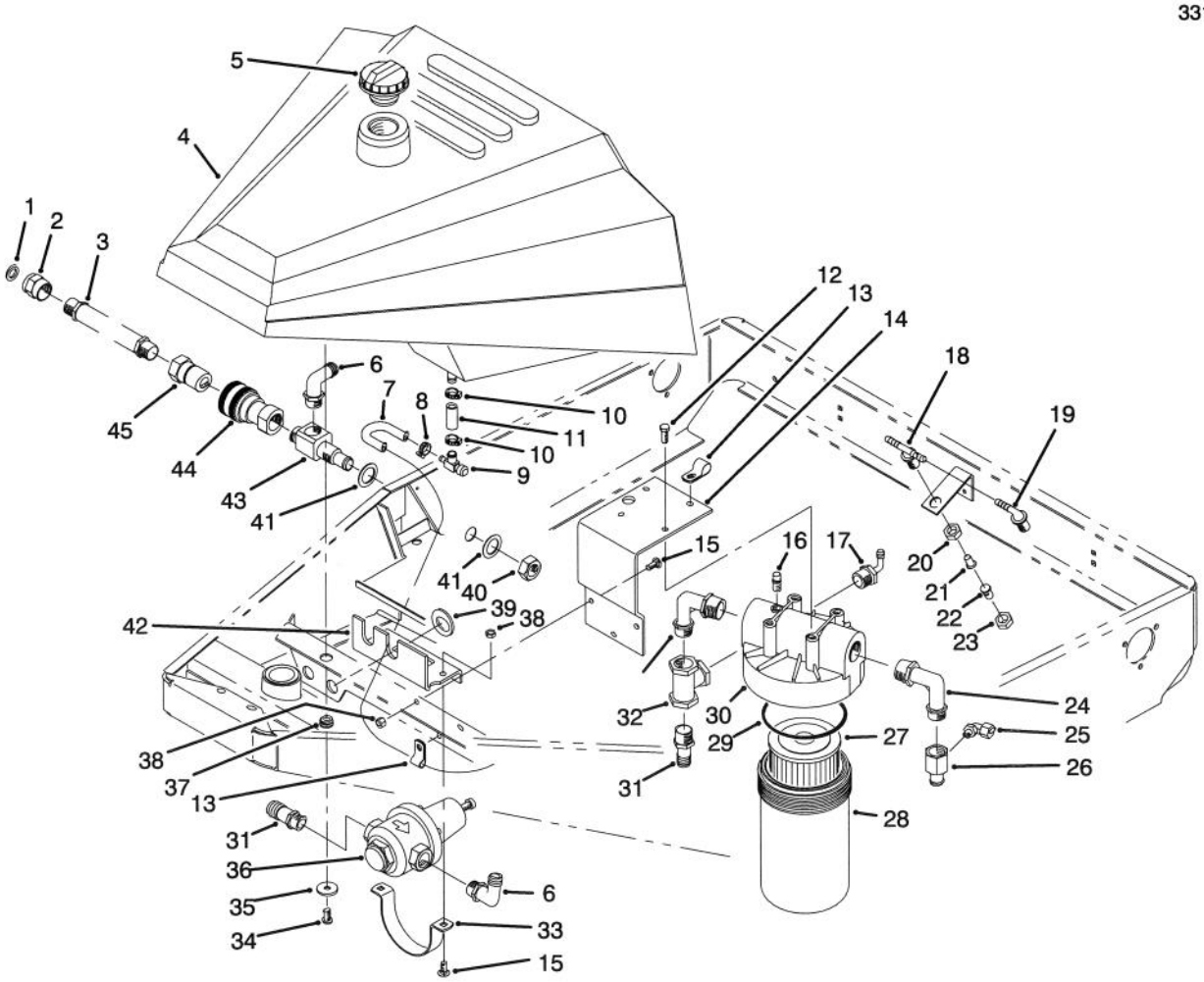
T–0274

HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 66–5293

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

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

*Not Illustrated
†Not available from Toro as a replacement part.



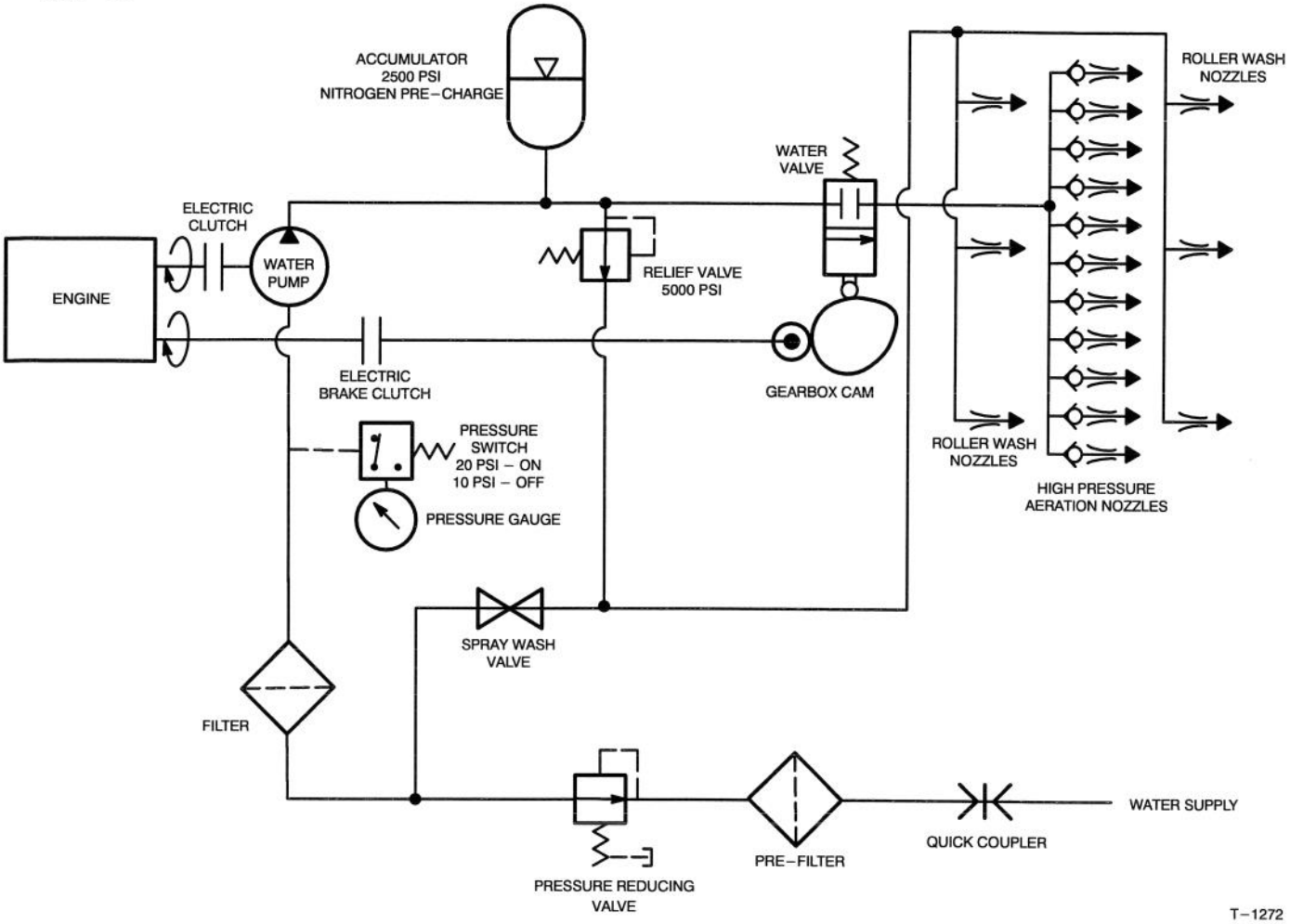
T–1196

FUEL TANK & WATER INLET ASSEMBLY

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

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

*Not Illustrated

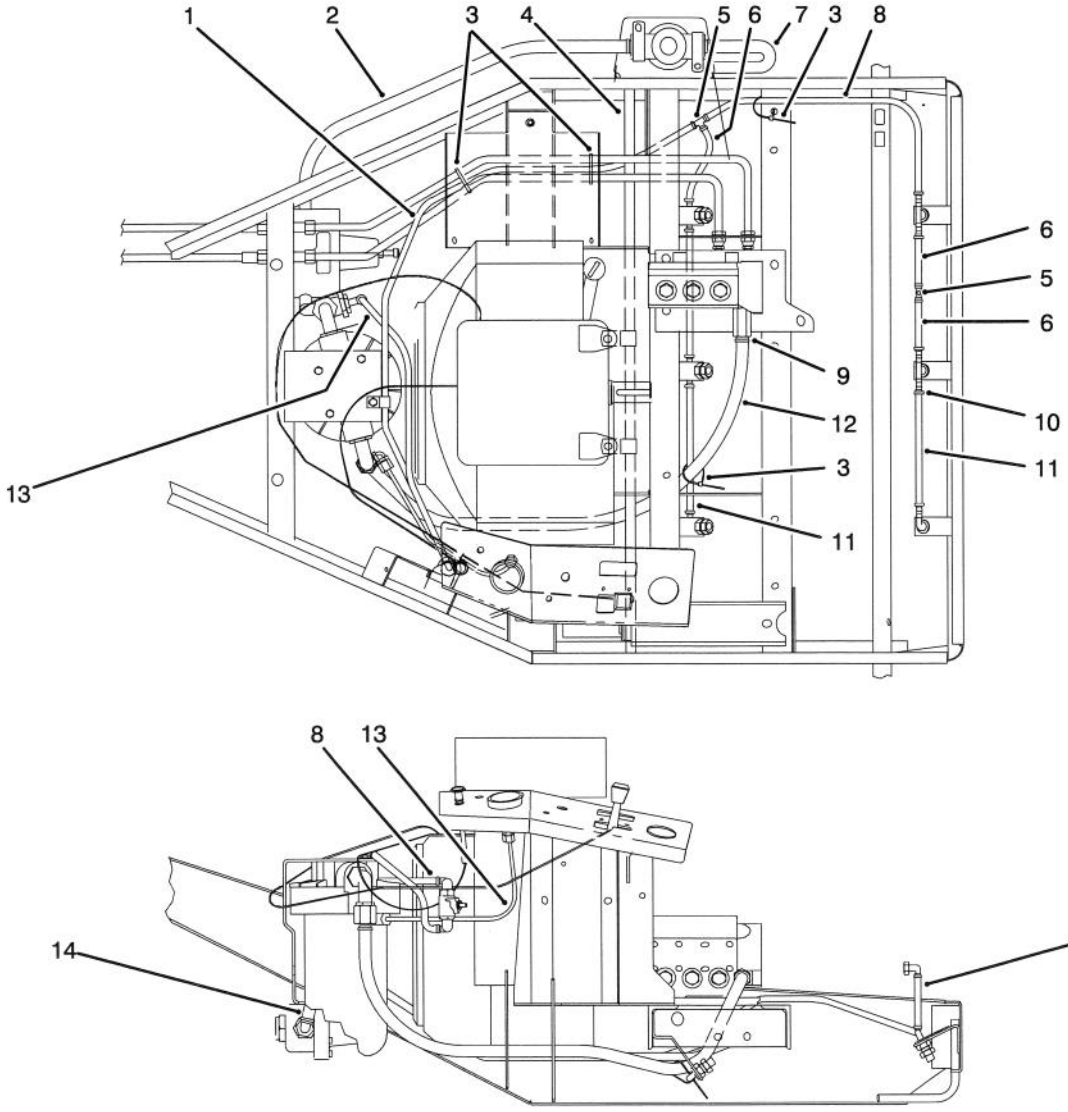


T–1272

WATER SYSTEM SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

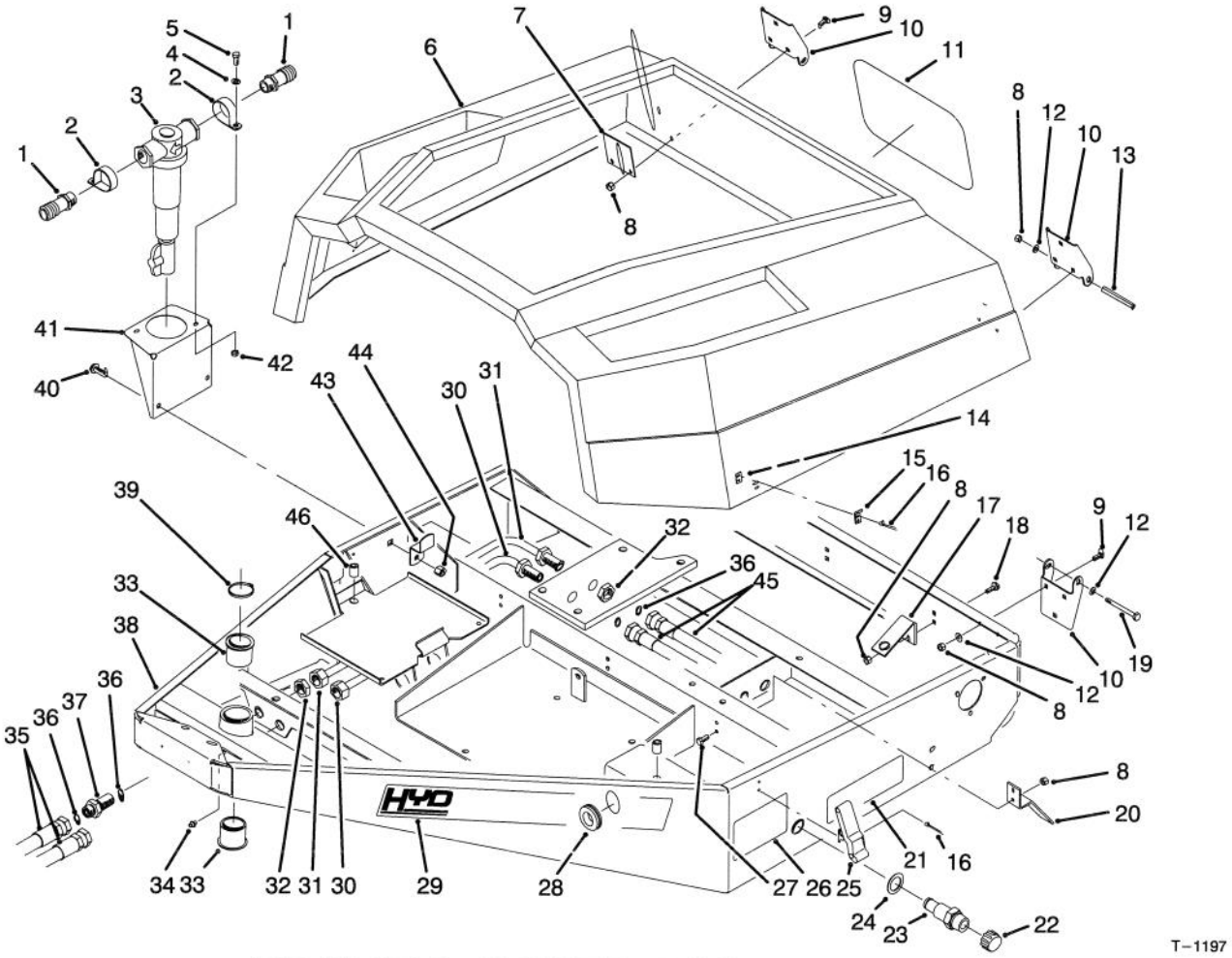


T–1275

WATER SYSTEM HOSE ROUTING DIAGRAM

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

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

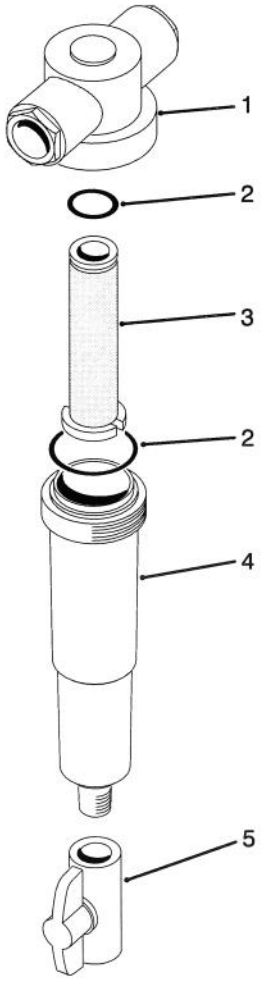


FRAME & COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354–98	Fitting – Adapter	2
2	2412–147	Clamp – R	2
3	86–9100	Pre–Filter Assembly	1
4	3256–23	Washer – Flat	2
5	322–3	Screw– Cap Hex. Hd.	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 – Hex. Washer Hd.	6
19	321–28	Screw – Cap Hex. Hd.	2
20	80–9060	Bracket – Nozzle Front	3
‡21	80–8090	Decal – Warning (English)	3
22	354–113	Cap – Pipe	1
23	80–9500	Adapter – Bulkhead	1
24	3256–24	Washer – Flat	2
25	80–6980	Latch Assembly (Incl. Ref. #15)	2

Ref. No.	Part No.	Description	No. Used
‡26	92–9542	Decal – Filter (English)	2
27	321–4	Screw – Cap Hex. Hd.	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
35	80–7370	Hose – Hydraulic	2
36	237–30	Seal – O–Ring	6
37	340–161	Fitting – Hydraulic Bulkhead (Incl. Ref. #36)	2
38	86–8910	Frame Assembly (Incl. Ref. #21, 26, 29, 33 & 46)	1
39	32151–44	Ring – Retaining	1
40	3234–24	Screw – Hex. Flange Hd.	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

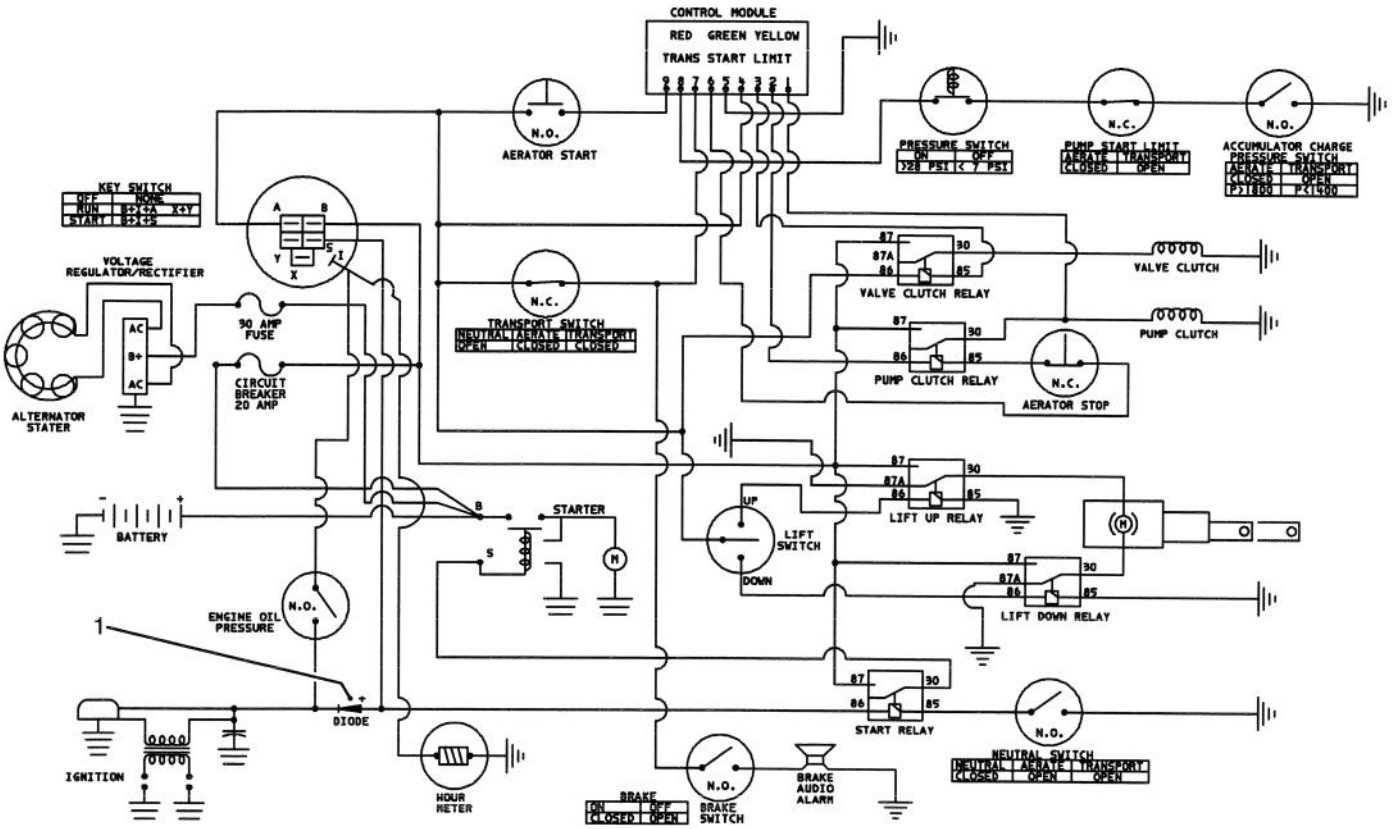
‡For different language versions of this part, see International Decal Cross Reference.



T–1916

PRE–FILTER ASSEMBLY NO. 86–9100

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



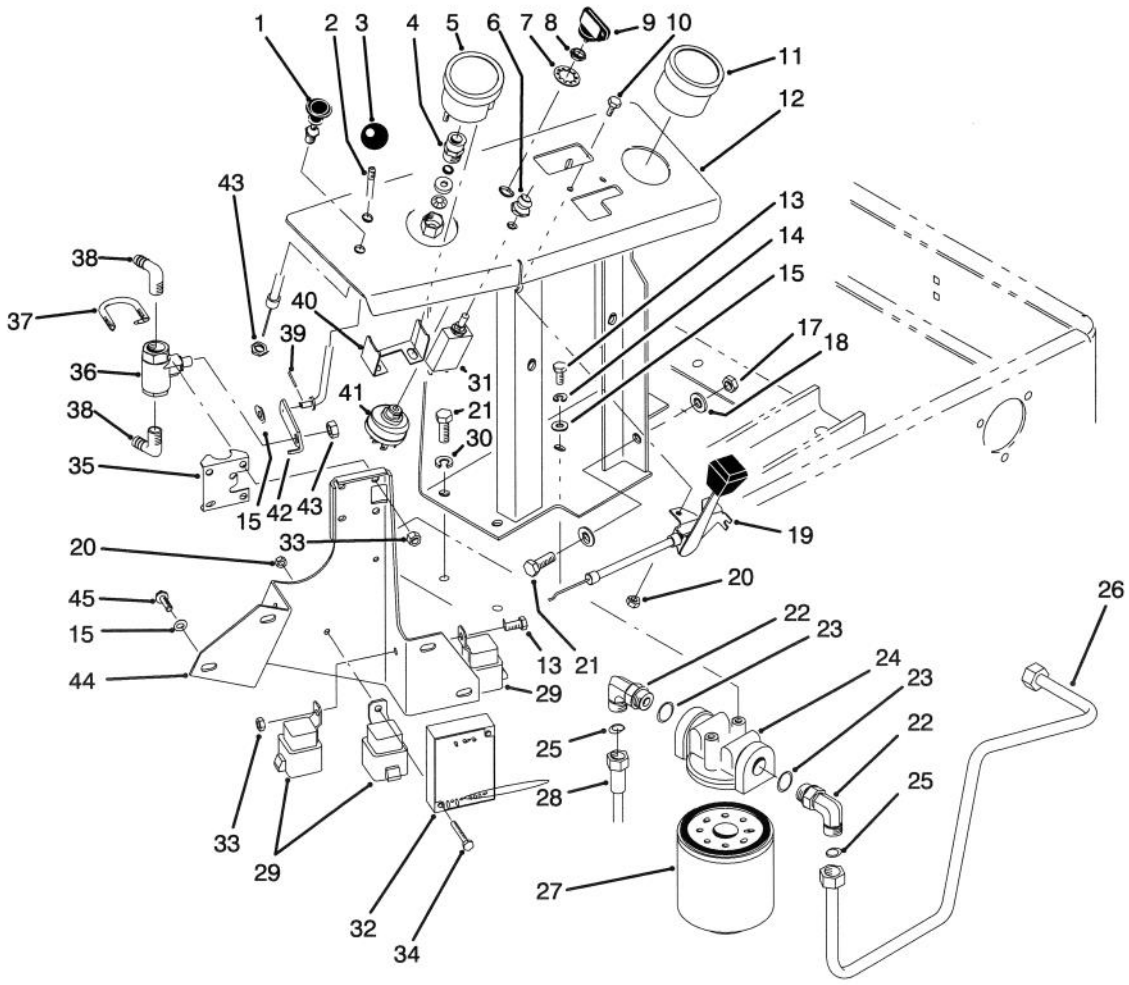
T–1237

ELECTRICAL SCHEMATIC

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

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

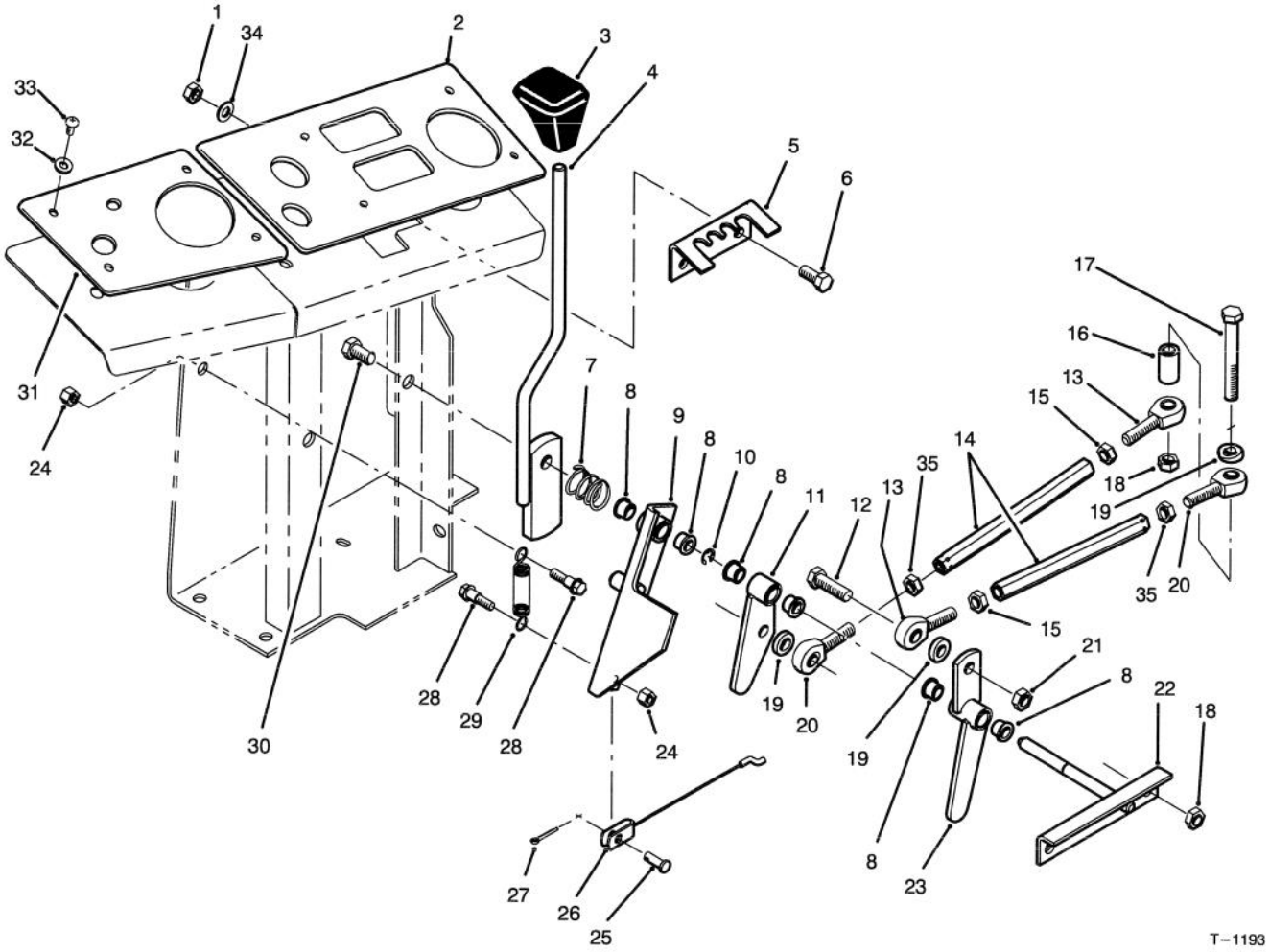
*Not Illustrated



CONTROL PANEL ASSEMBLY

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

3316–175

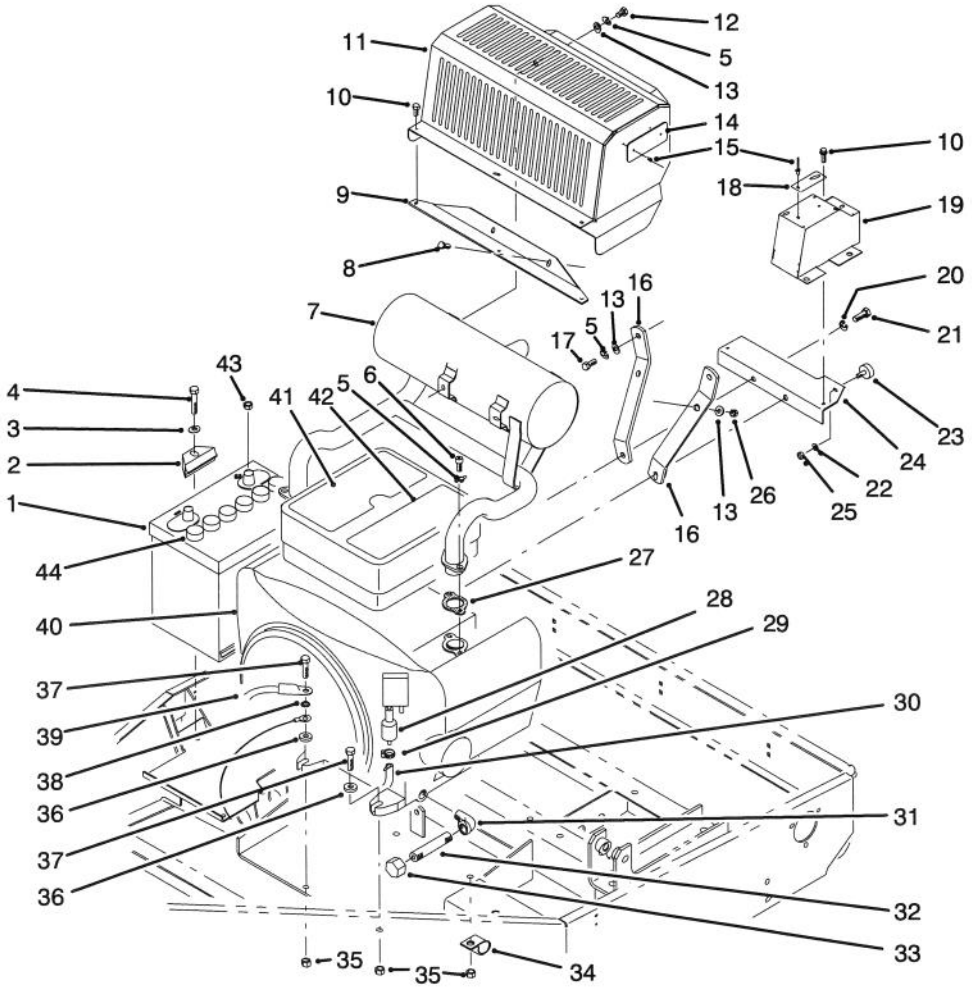


CONTROL LINKAGE ASSEMBLY

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

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

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



T–1192

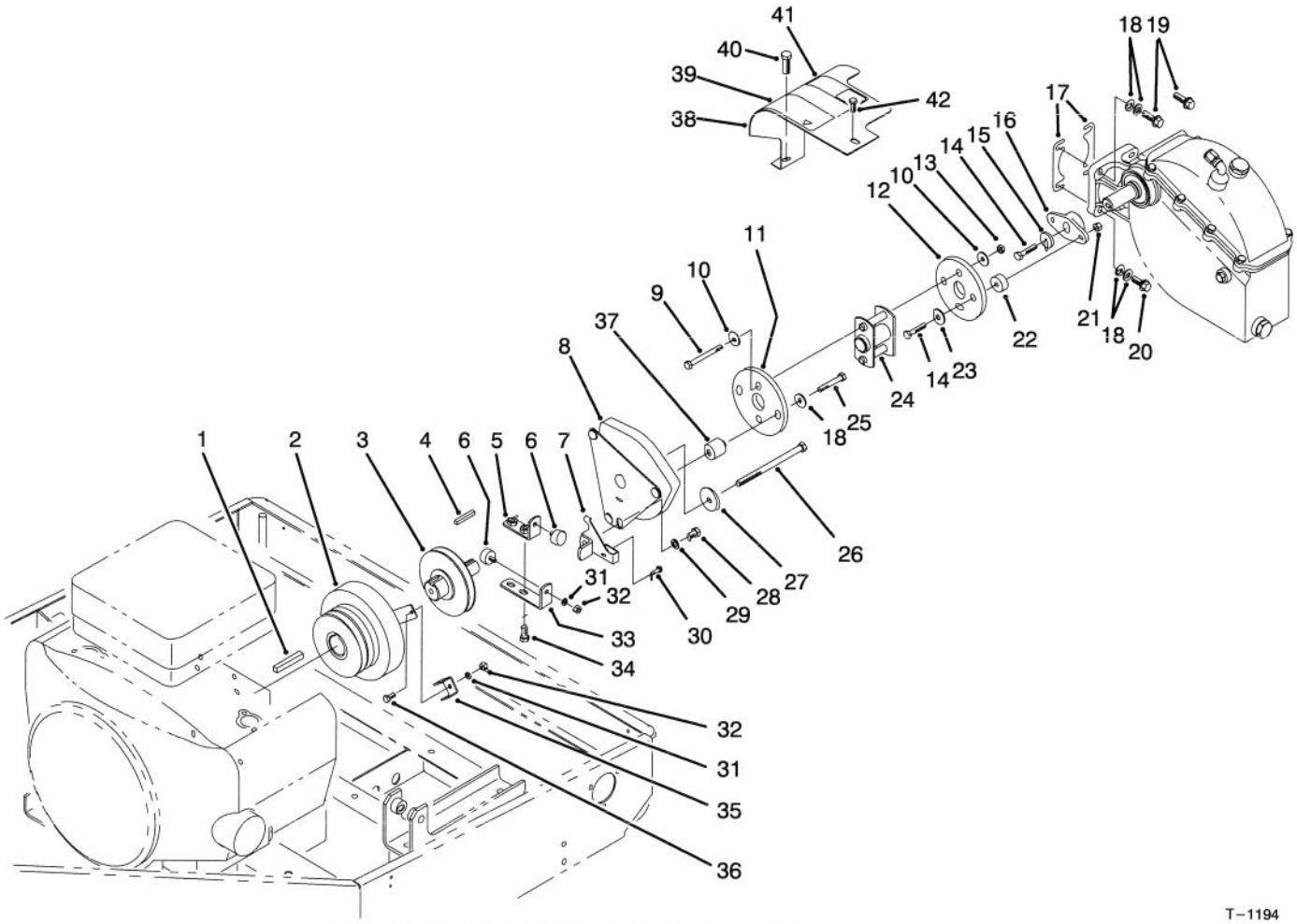
ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80–6791	Battery	1
2	66–2490	Clamp – Battery	1
3	3256–24	Washer – Flat	3
4	323–9	Screw – Cap Hex. Hd.	1
5	3253–4	Washer – Lock	8
6	3274–10	Screw – Hex. Socket Hd.	4
7	80–5650	Muffler	1
8	322–4	Screw – Cap Hex. Hd.	2
9	80–9150	Support – Muffler Shield	1
10	32144–114	Screw – Cap Hex. Hd.	5
11	14–5229	Guard – Muffler (Incl. Ref. #14 & 15)	1
12	322–1	Screw – Cap Hex. Hd.	2
13	3256–23	Washer – Flat	6
‡14	80–8290	Plate – Hot Surface (English)	3
15	3269–32	Rivet – Pop	10
16	80–7680	Support – Muffler	2
17	322–3	Screw – Cap Hex. Hd.	2
‡18	80–9350	Plate – Hot Surface (English)	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 – Cap Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
22	3253–3	Washer – Lock	1
23	240–14	Bumper – Rubber	1
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	2412–71	Clamp – R	2
35	32128–21	Nut – Flange Lock	4
36	52–5980	Spacer	2
37	323–19	Screw – Cap Hex. Hd.	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	Engine Assembly Model No. P224G Spec. E (Incl. Ref. #28)	1
41	80–9940	Decal – Service Check	1
42	80–9950	Decal – Quick Reference	1
43	32149–10	Nut – Lock	2
44	86–8460	Cap – Battery	6

*Not Illustrated

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



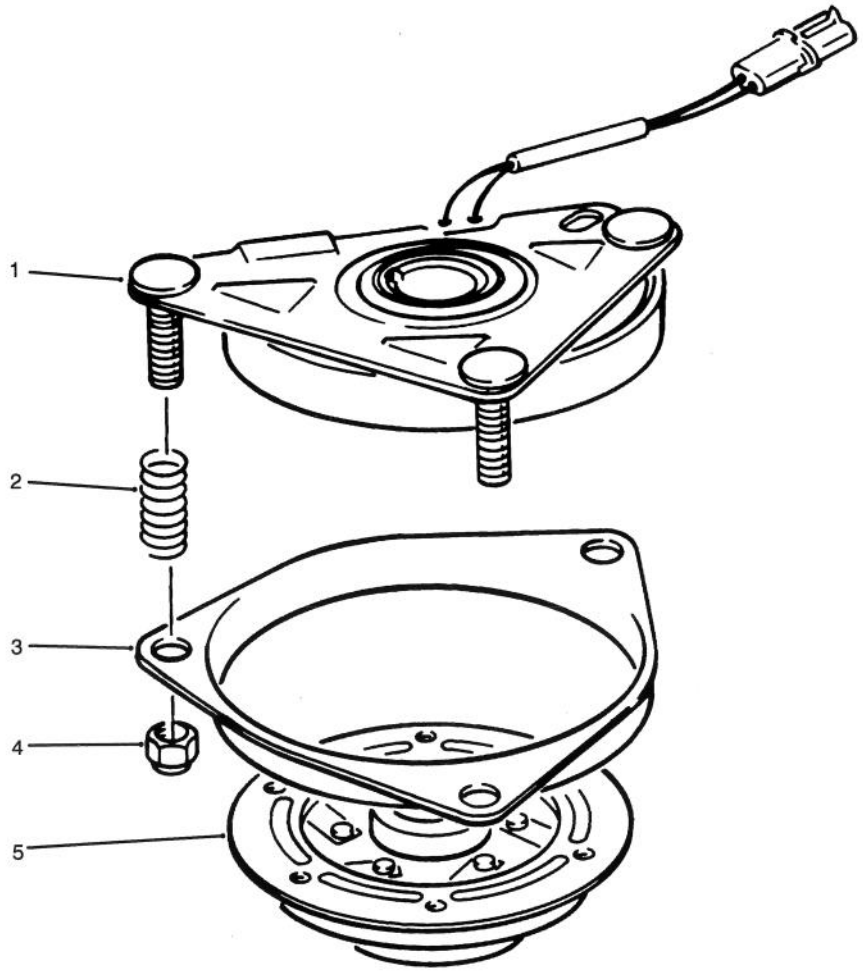
T–1194

GEAR BOX DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80–6140	Key – Clutch	1
2	80–5430	Clutch – Water Pump	1
3	80–9520	Pulley – Engine	1
4	7–0238	Key – Clutch	1
5	80–9760	Stop – Clutch	1
6	240–14	Bumper	2
7	86–8650	Stop – Clutch	1
8	86–8160	Electric Clutch Assembly	1
9	3210–13	Screw – Cap Hex. Hd.	2
10	3256–23	Washer – Flat	4
11	80–9910	Disc – Rubber	1
12	80–8650	Disc – Rubber	1
13	3296–20	Nut – Lock	2
14	3210–8	Screw – Cap Hex. Hd.	3
15	80–8570	Washer	1
16	80–8180	Hub – Adapter	1
17	80–7050	Shim – Gear Box .002" Red	2
*	80–7051	Shim – Gear Box .005" Blue	2
*	80–7052	Shim – Gear Box .015" Pink	2
*	80–7053	Shim – Gear Box .020 Yellow	2
18	3256–24	Washer – Flat	10
19	3234–24	Screw – Hex. Washer Hd.	2
20	3234–11	Screw – Hex. Washer Hd.	2
21	32152–5	Nut – Lock	2
22	80–8660	Spacer – Coupling	2
23	80–8620	Spacer – Coupler	2
24	86–8950	Shaft – Coupler	1
25	322–4	Screw – Cap Hex. Hd.	2
26	3211–38	Screw – Cap Hex. Hd.	1
27	80–8560	Washer	1
28	323–2	Screw – Cap Hex. Hd.	1
29	3253–21	Washer – Lock	1
30	32144–53	Screw – Hex. Socket Hd.	1
31	3253–3	Washer – Lock	3
32	3217–5	Nut – Lock	3
33	80–9780	Stop – Clutch	1
34	323–6	Screw – Cap Hex. Hd.	2
35	86–8680	Bracket – Clutch Retainer	2
36	321–3	Screw – Cap Hex. Hd.	1
37	80–9920	Spacer – Coupler	2
38	14–5169	Shield – Drive (Incl. Ref. #39 & 41)	1
‡39	80–8000	Decal – Warning (English)	1
40	32144–67	Screw – Hex. Washer Hd.	1
‡41	80–8040	Decal – Warning (English)	1
42	32104–95	Screw – Hex. Washer Hd.	1

*Not Illustrated

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

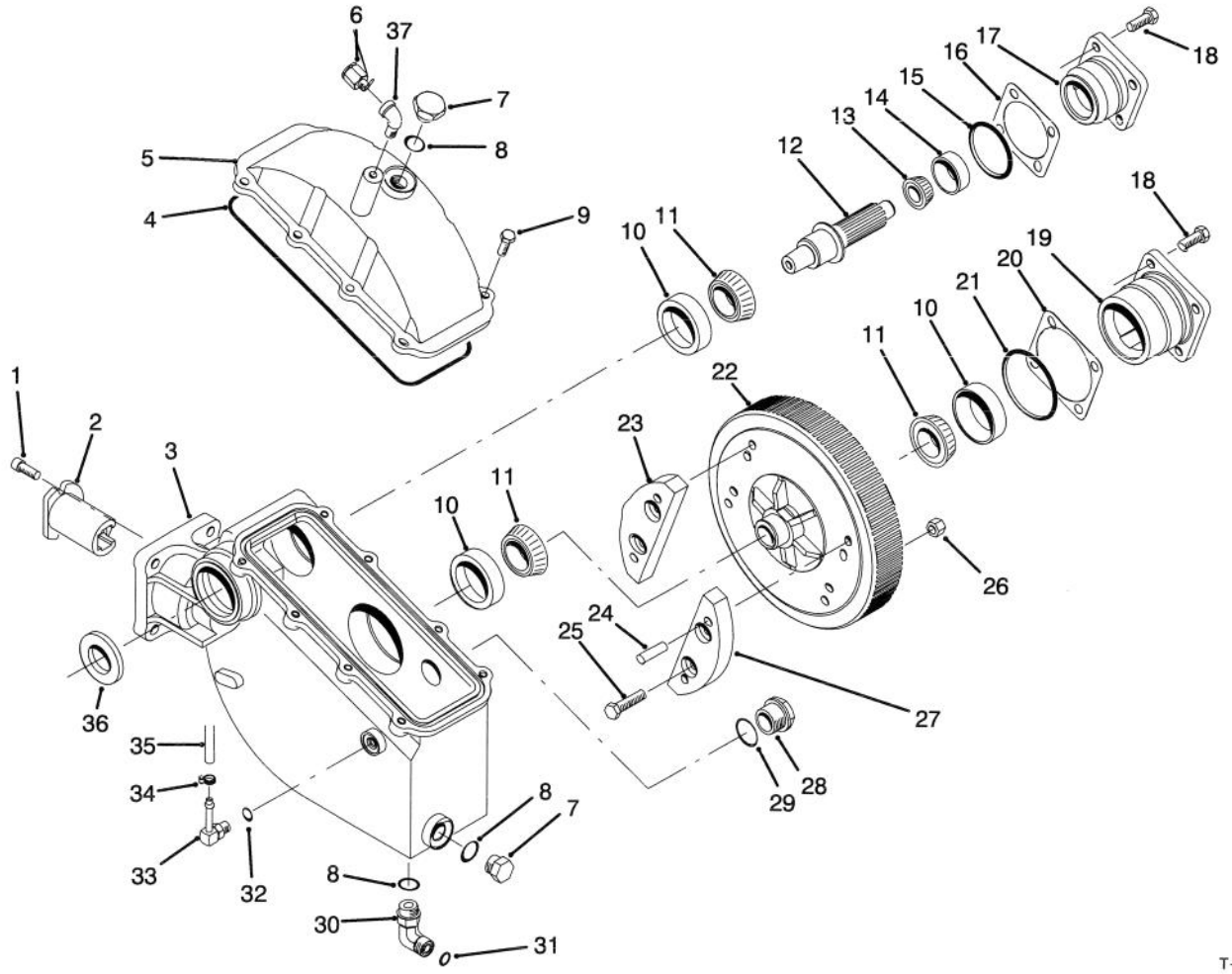


T–1274

ELECTRIC CLUTCH ASSEMBLY NO. 86–8160

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

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



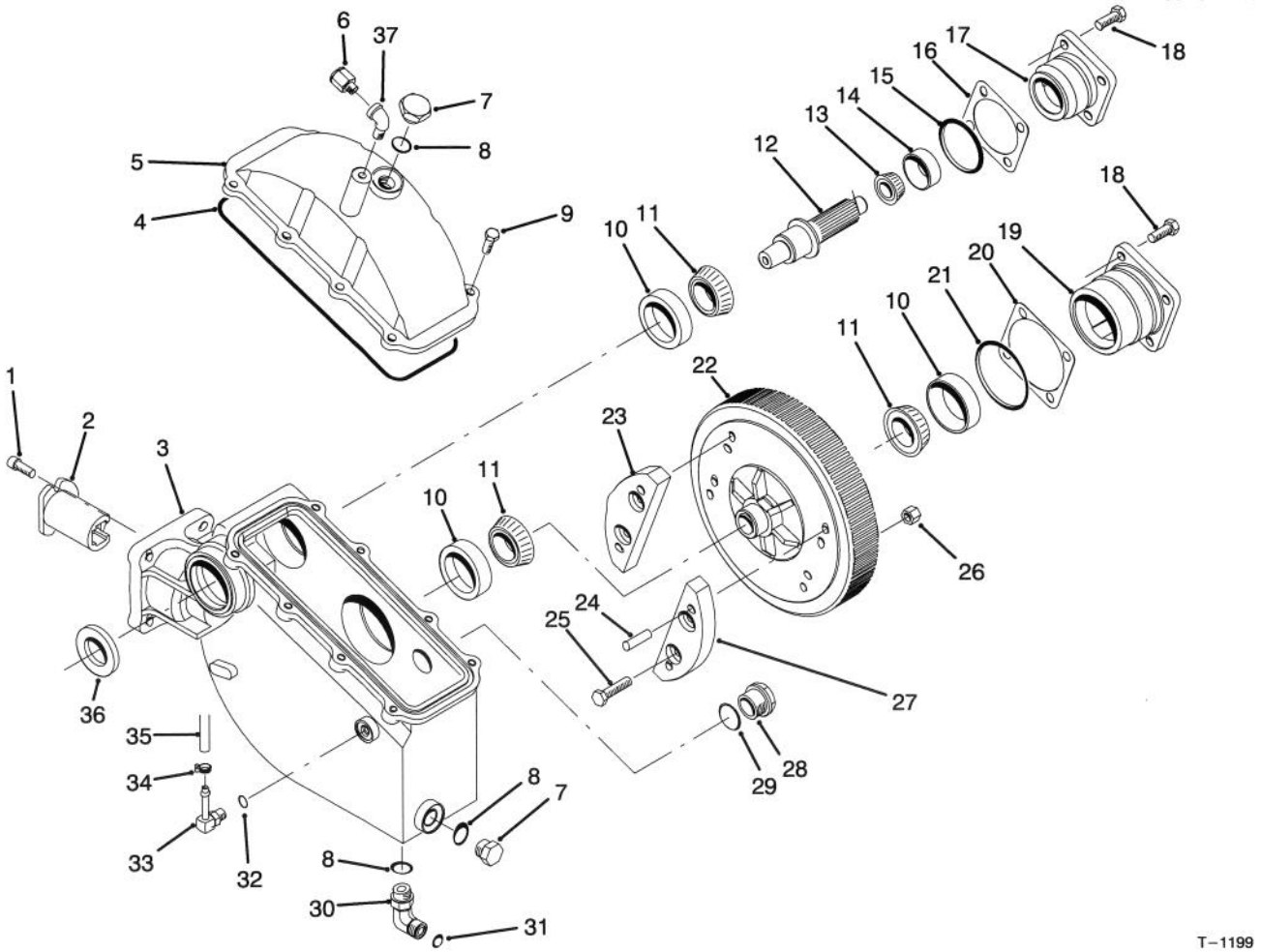
T–1199

GEARBOX ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
19	80–5300	Housing – Bearing	1
20	80–7040	Shim – Gear/Cam Bearing .002" Red	1
*	80–7041	Shim – Gear/Cam Bearing .005" Blue	1
*	80–7042	Shim – Gear/Cam Bearing .015" Pink	1
*	80–7043	Shim – Gear/Cam Bearing .020" Yellow	1
21	237–25	Seal – O–Ring	1
22	80–5280	Gear	1
23	80–8500	Cam	1
24	32121–42	Pin – Roll	4
25	323–52	Screw – Cap Hex. Hd.	4
26	3296–39	Nut – Lock	4
27	80–8510	Block – Weight	1
28	69–1170	Glass – Sight (Incl. Ref. #29)	1
29	237–81	Seal – O–Ring	1
30	340–98	Fitting – Hydraulic 90° (Incl. Ref. #8 & 31)	1
31	237–30	Seal – O–Ring	1
32	237–78	Seal – O–Ring	1
33	304–99	Fitting – 90° Elbow (Incl. Ref. #32)	1
34	2412–108	Clamp – Hose	1

*Not Illustrated



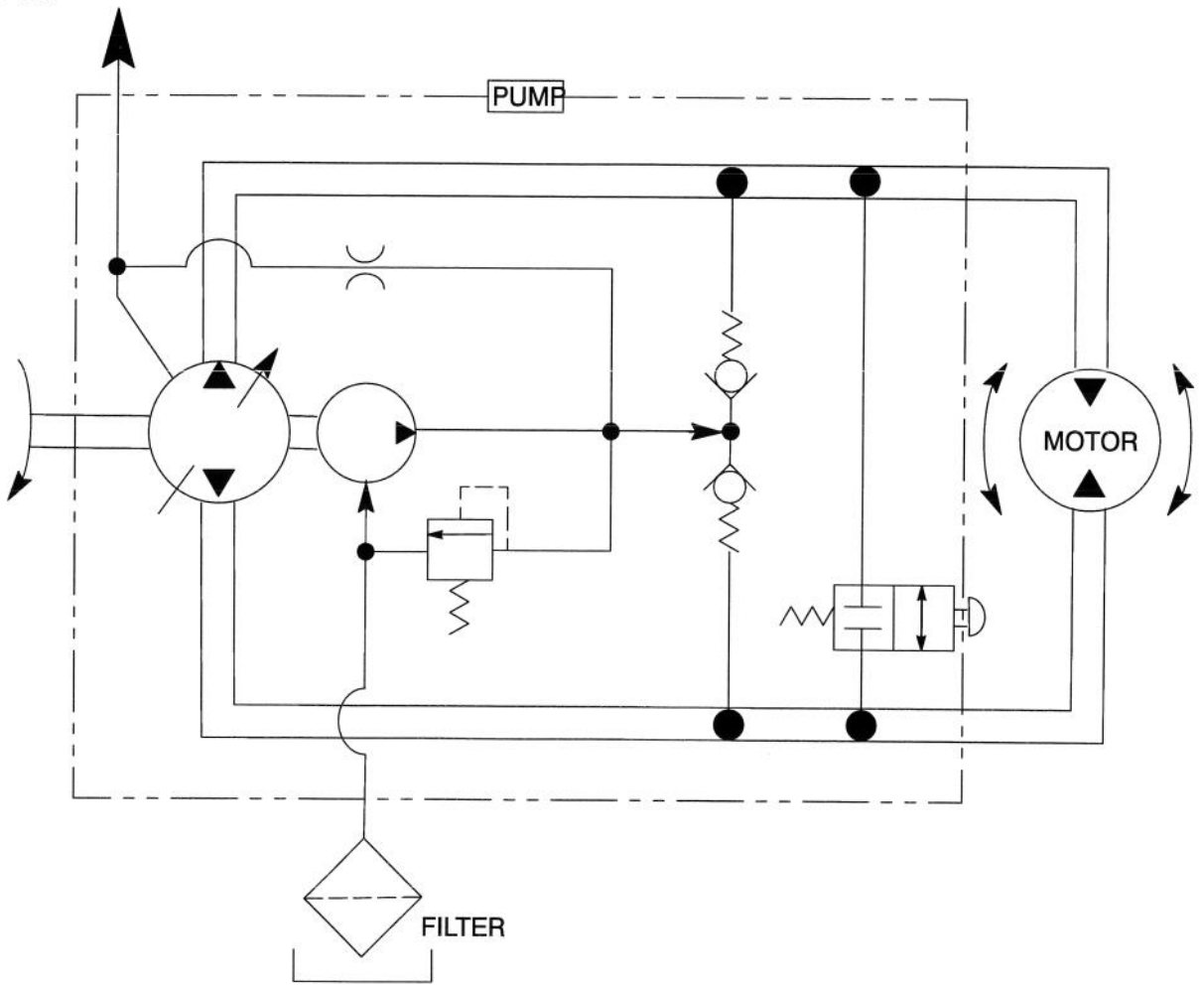
T–1199

GEARBOX ASSEMBLY (Continued)

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

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

*Not Illustrated

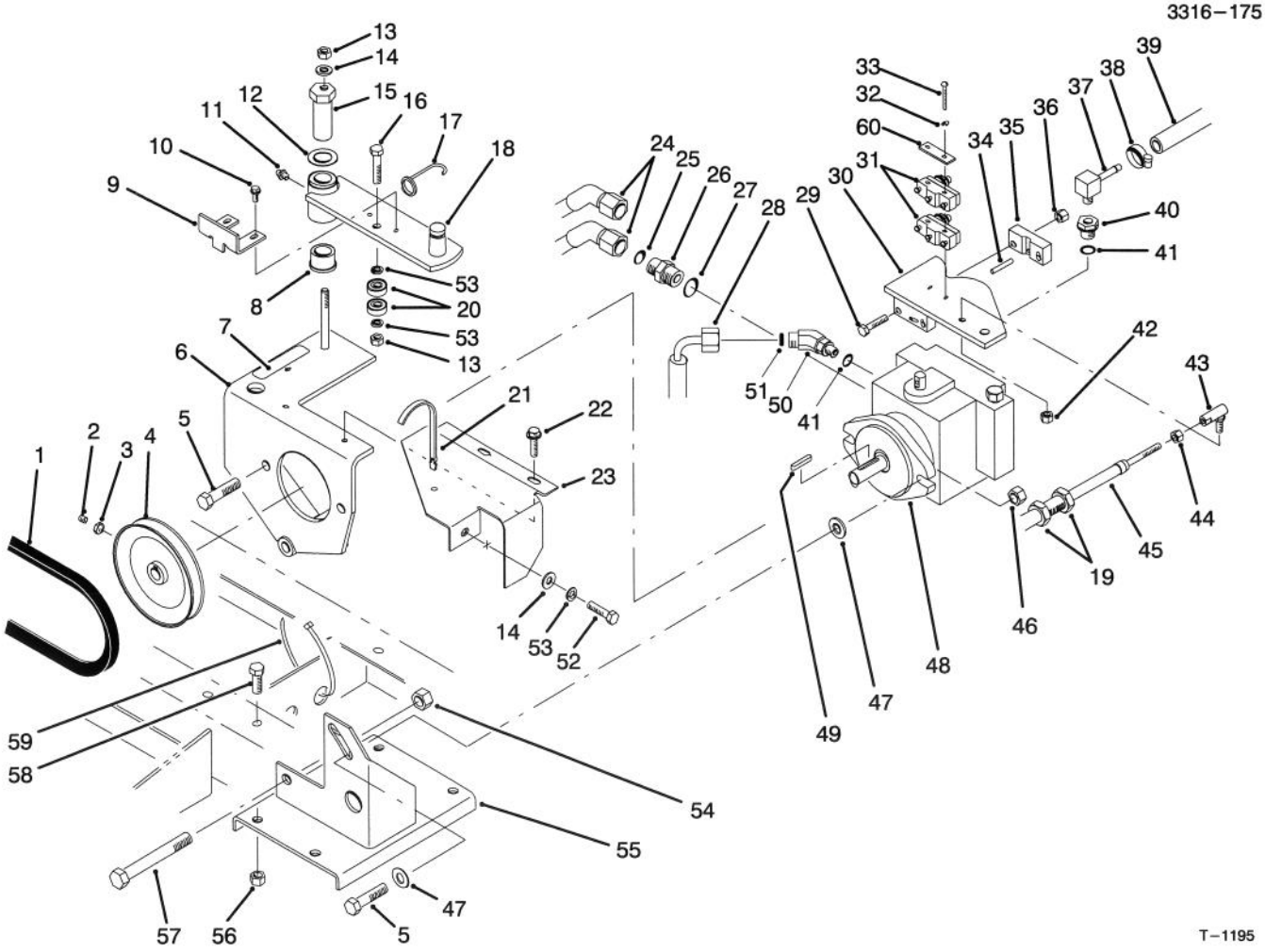


T–1273

HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used

Ref. No.	Part No.	Description	No. Used

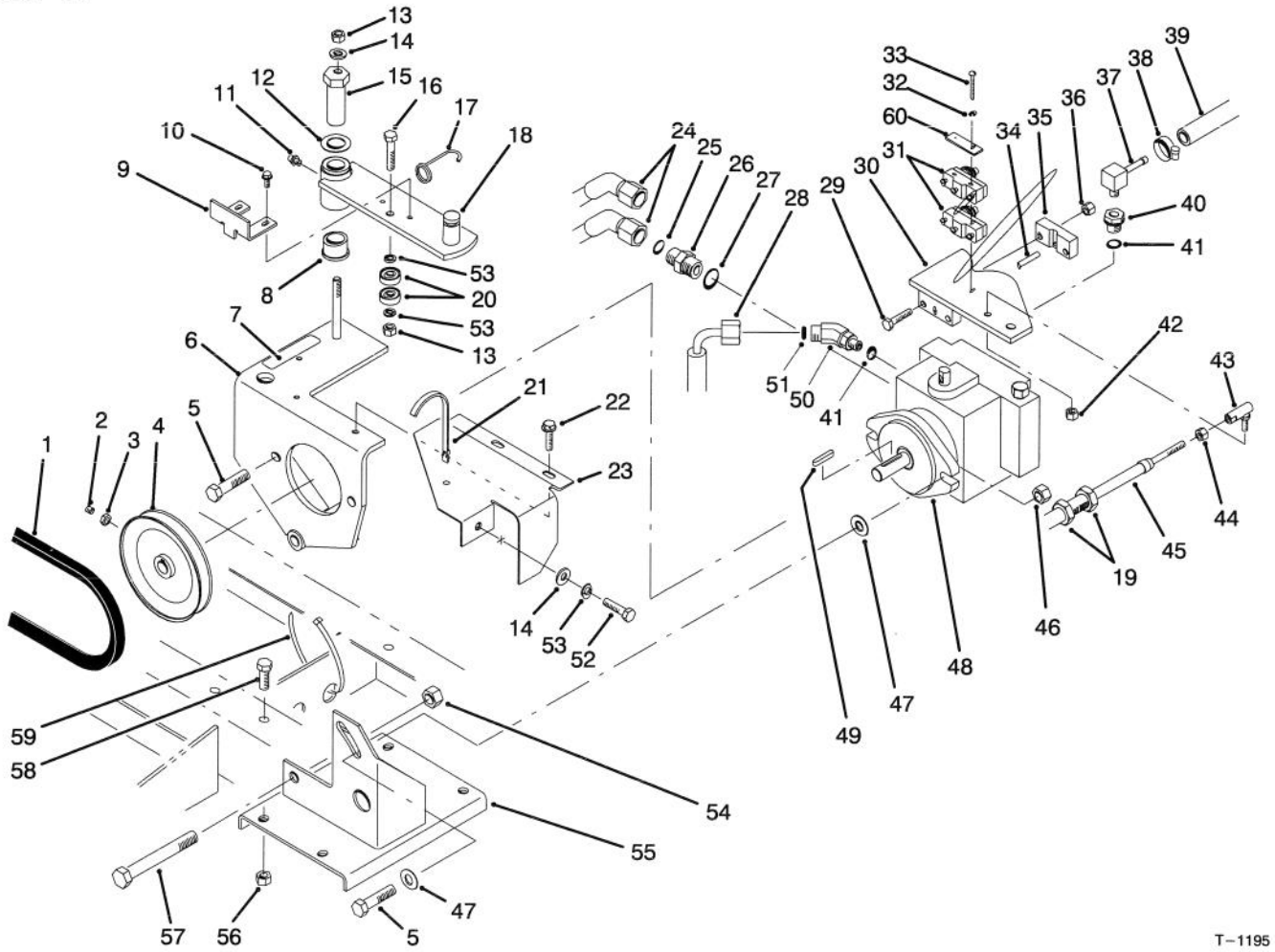


HYDRAULIC PUMP INSTALLATION ASSEMBLY

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

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

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

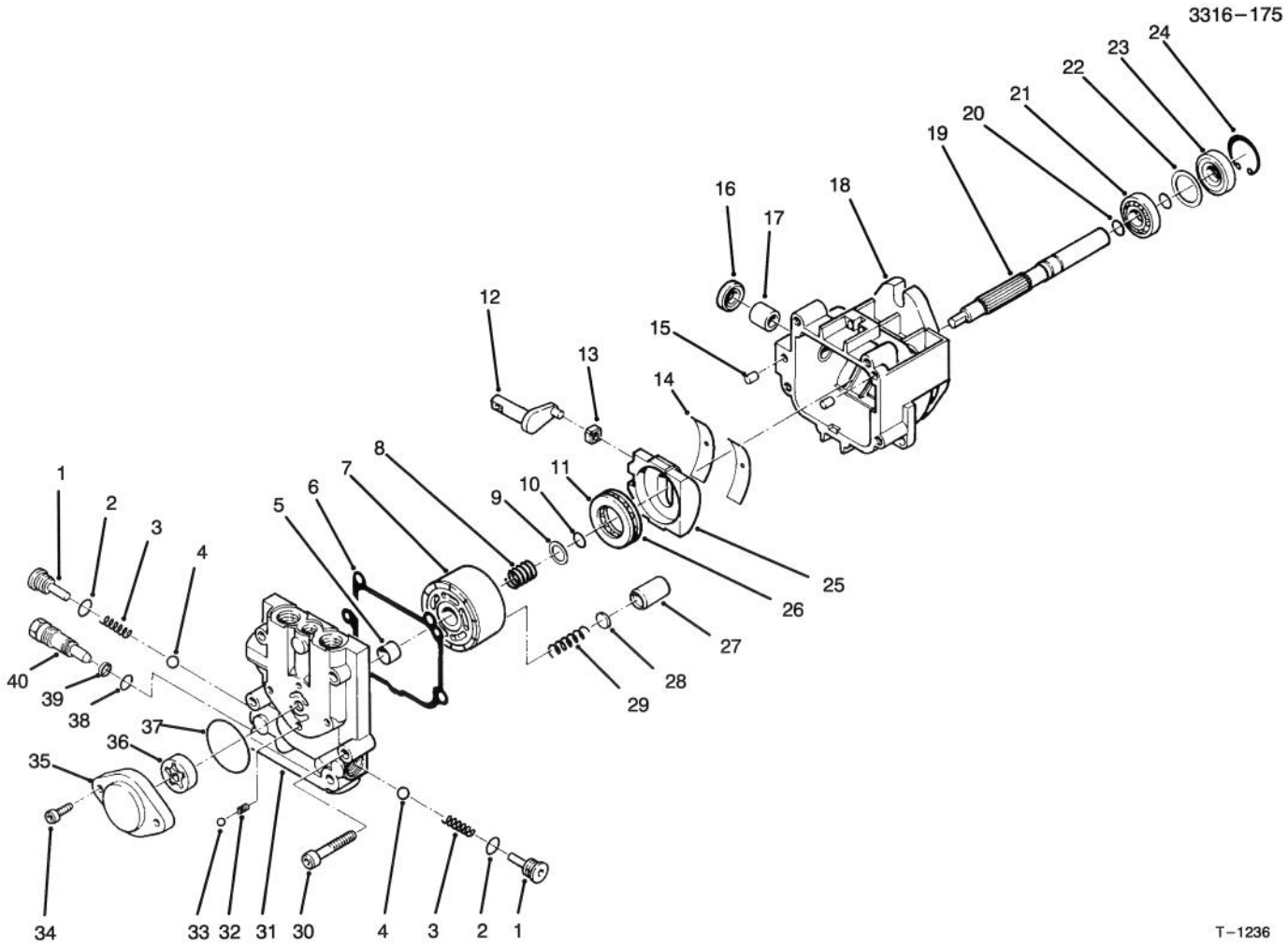


T–1195

HYDRAULIC PUMP INSTALLATION ASSEMBLY (Cont.)

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

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

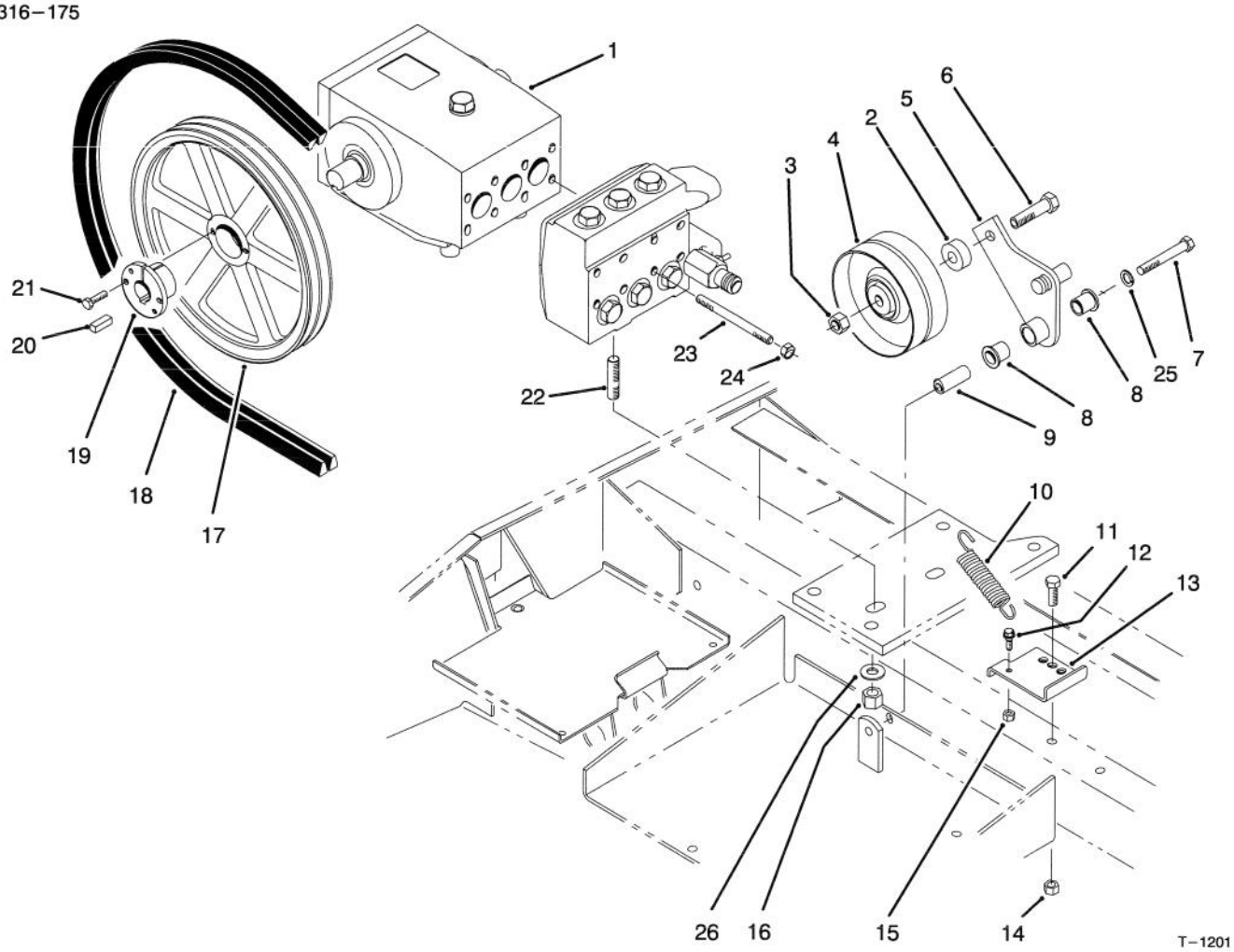


HYDRAULIC PUMP ASSEMBLY NO. 80–5450

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

*Not Illustrated

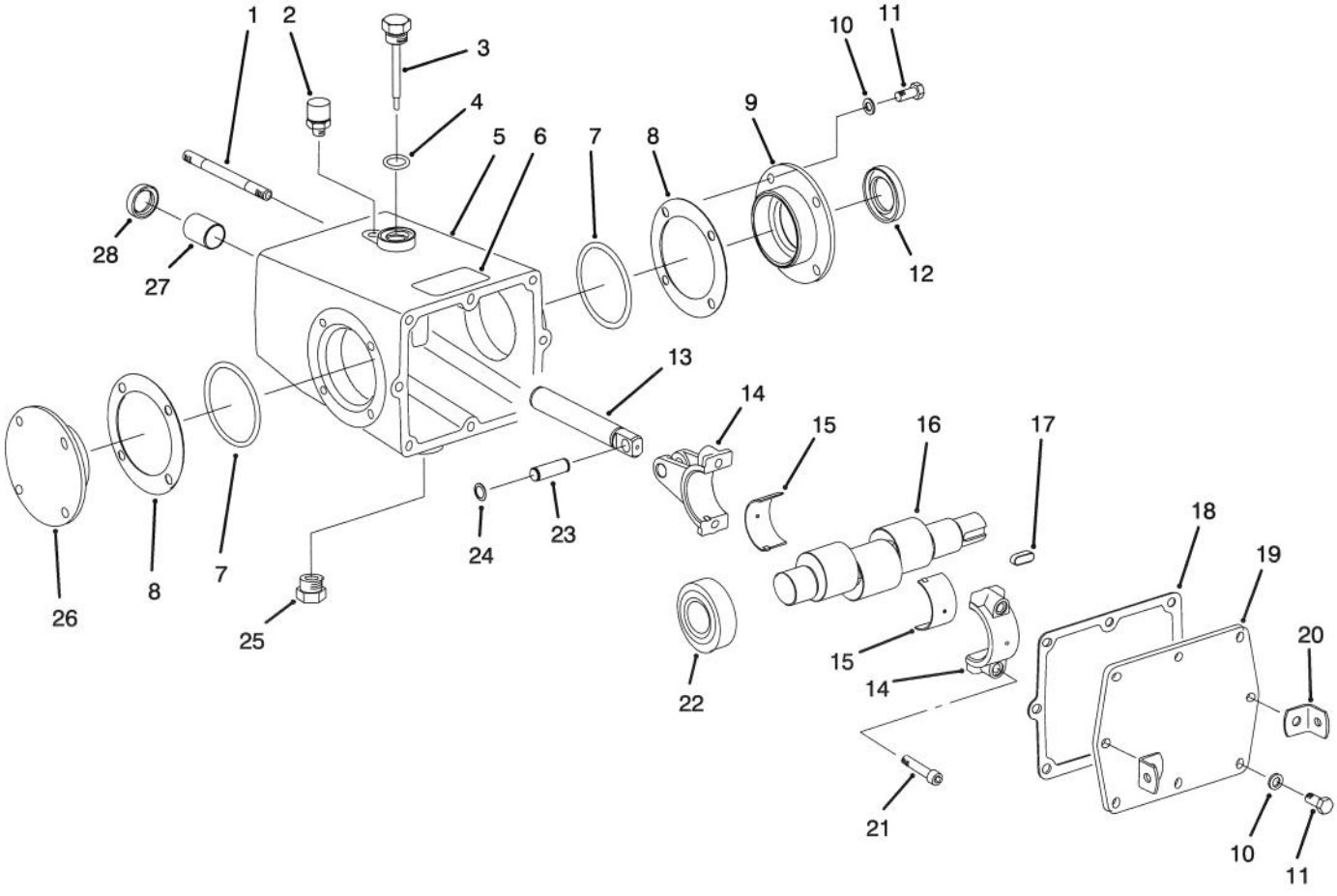
3316–175



WATER PUMP INSTALLATION ASSEMBLY

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

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



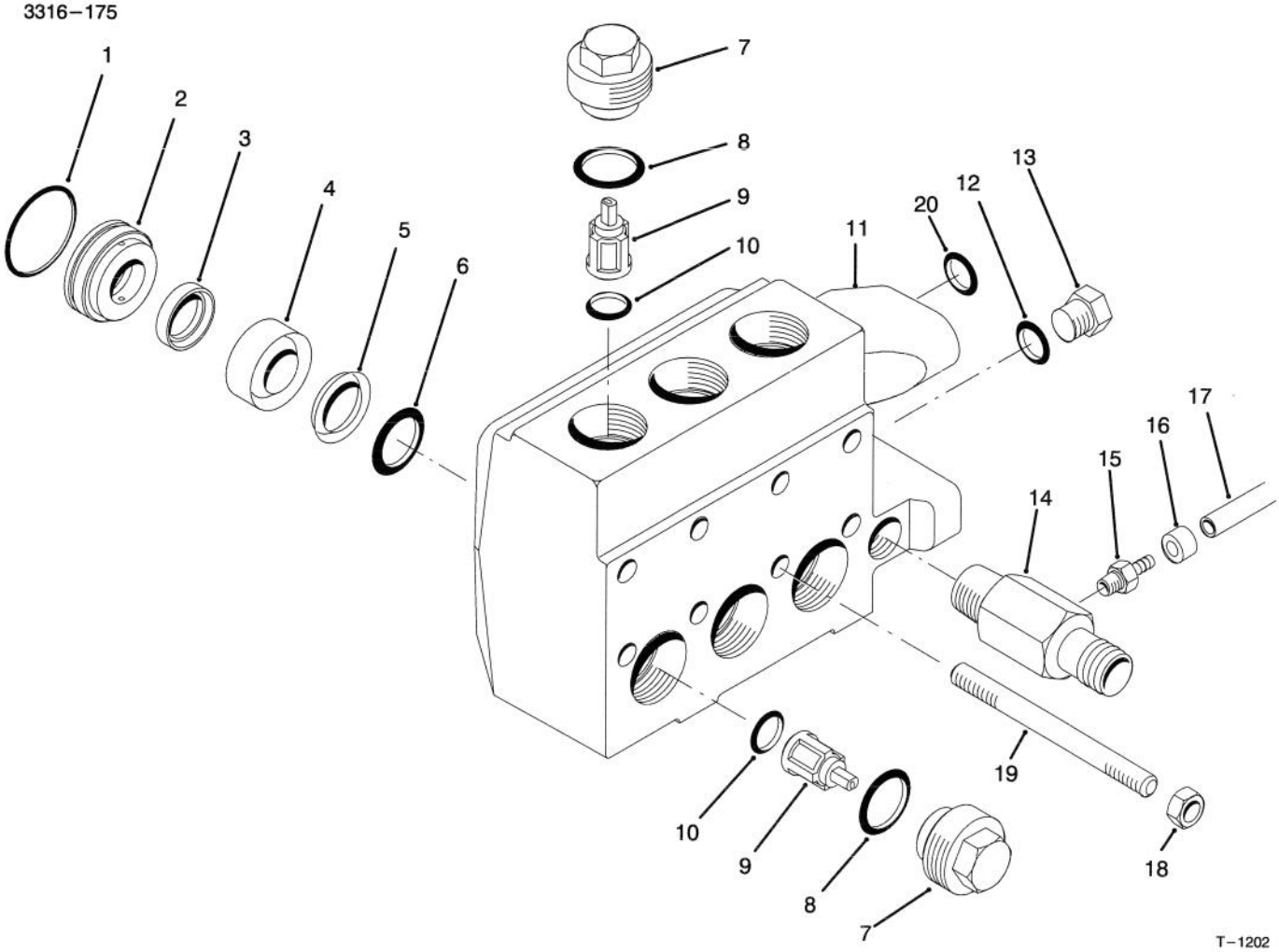
WATER PUMP CRANKCASE ASSEMBLY NO. 86–8900

Ref. No.	Part No.	Description	No. Used
1	86–8830	Stud – Head	8
2	80–7020	Vent – Filter	1
3	86–8860	Dipstick	1
4	237–79	Seal – O–Ring	1
5	86–8810	Crankcase	1
6	80–9450	Decal – Pump	1
7	237–25	Seal – O–Ring	2
8	86–8720	Shim – .002" Red	A/R
*	86–8721	Shim – .005" Blue	A/R
*	86–8722	Shim – .015" Pink	A/R
*	86–8723	Shim – .020" Yellow	A/R
9	86–8580	Flange – Crankcase	1
10	3253–4	Washer – Lock	16
11	322–3	Screw – Cap Hex. Hd.	16
12	86–8760	Seal	1
13	86–8820	Rod – Plunger	3

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

*Not Illustrated

3316–175

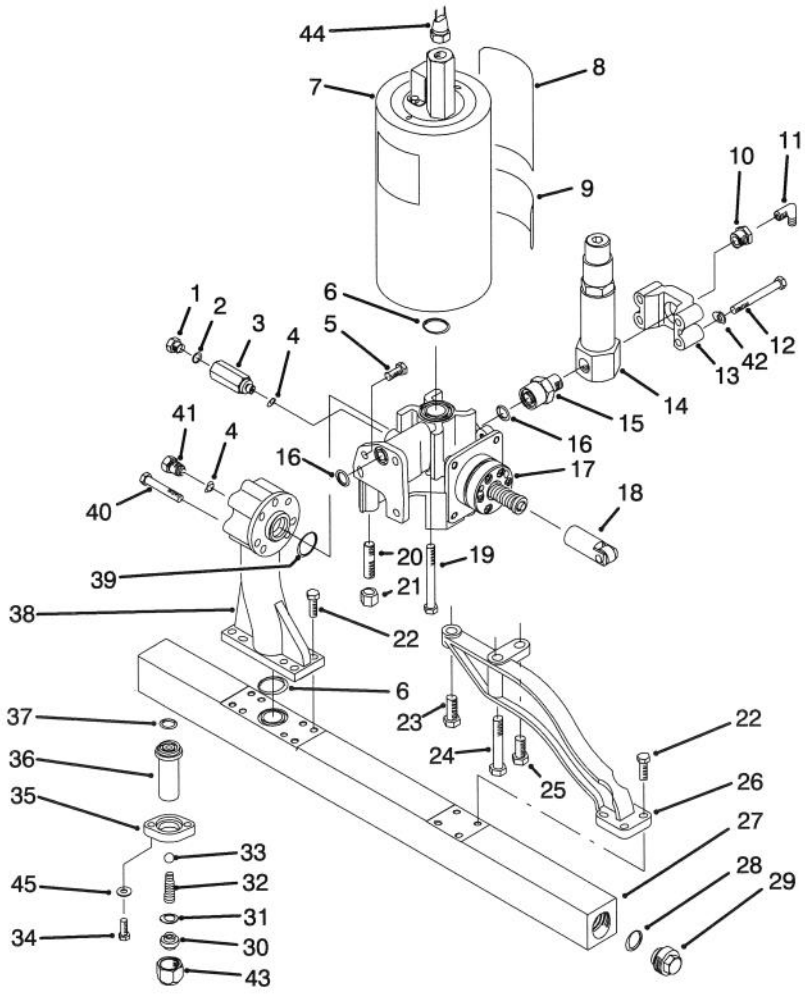


WATER PUMP HEAD ASSEMBLY

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

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

*Not Illustrated



T–1200

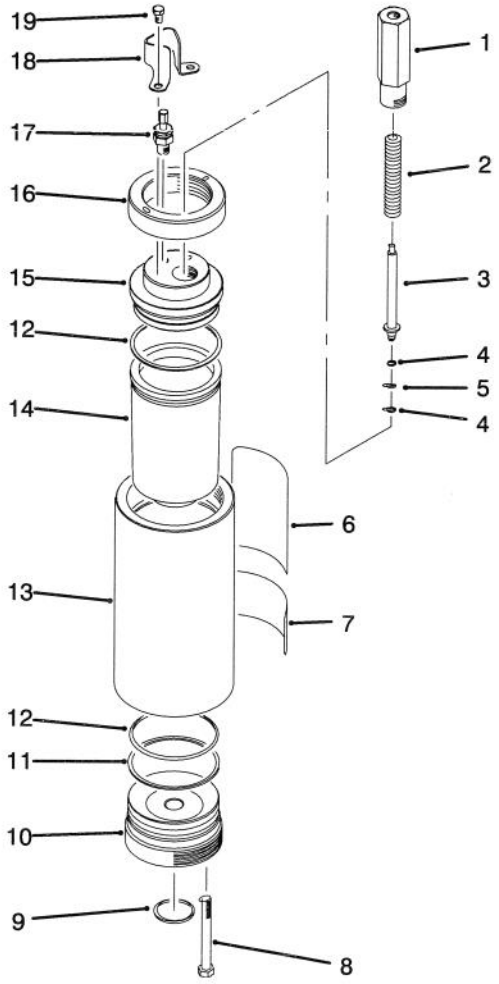
WATER MANIFOLD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354–82	Plug	1
2	80–5794	Seal – O–Ring	1
3	80–9980	Fitting – Extension	1
4	80–5793	Seal – O–Ring	2
5	323–6	Screw – Cap Hex. Hd.	4
6	80–5784	Seal – O–Ring	2
7	92–9546	Accumulator Assembly (Incl. Ref. #6, 8, 9 & 19)	1
‡8	80–8030	Decal – Danger (English)	2
‡9	80–8880	Decal – Warning (English)	2
10	354–92	Fitting – Reducer	1
11	354–93	Fitting – 90° Elbow	1
12	323–17	Screw – Cap Hex. Hd.	4
13	80–9890	Clamp – Valve	1
14	80–7070	Relief Valve Assembly	1
15	80–9900	Fitting – Valve	1
16	80–5782	Seal – O–Ring	2
17	14–7449	Valve Assembly (Incl. Ref. #20)	1
18	80–5580	Follower – Cam	1
19	324–26	Screw – Cap Hex. Hd.	4
20	80–8680	Stud	2
21	3296–19	Nut – Lock	2
22	323–5	Screw – Cap Hex. Hd.	12
23	325–5	Screw – Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
24	325–12	Screw – Cap Hex. Hd.	1
25	325–4	Screw – Cap Hex. Hd.	1
26	80–5080	Support – Manifold	1
27	80–5380	Manifold	1
28	80–5791	Seal – O–Ring	2
29	80–8220	Plug	2
30	86–8131	Nozzle (#53) (Std.)	11
*†	86–8133	Nozzle (#46) (Opt.)	6
*†	86–8130	Nozzle (#56) (Opt.)	6
31	86–8150	Washer	11
32	80–9710	Spring – Conical	11
33	255–12	Ball – Check	11
34	86–8610	Screw – Hex. Flange Hd.	22
35	80–9800	Flange – Nozzle	11
36	86–8110	Extension – Nozzle	11
37	80–5786	Seal – O–Ring	11
38	80–8210	Feeder – Manifold	1
39	80–5780	Seal – O–Ring	1
40	323–13	Screw – Cap Hex. Hd.	7
41	80–8230	Plug	1
42	3253–21	Washer – Lock	4
43	86–8140	Retainer – Nozzle	11
44	72–4320	Switch – Ball	1
45	3256–2	Washer – Flat	22

*Not Illustrated †Refer to Product Operators Manual

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



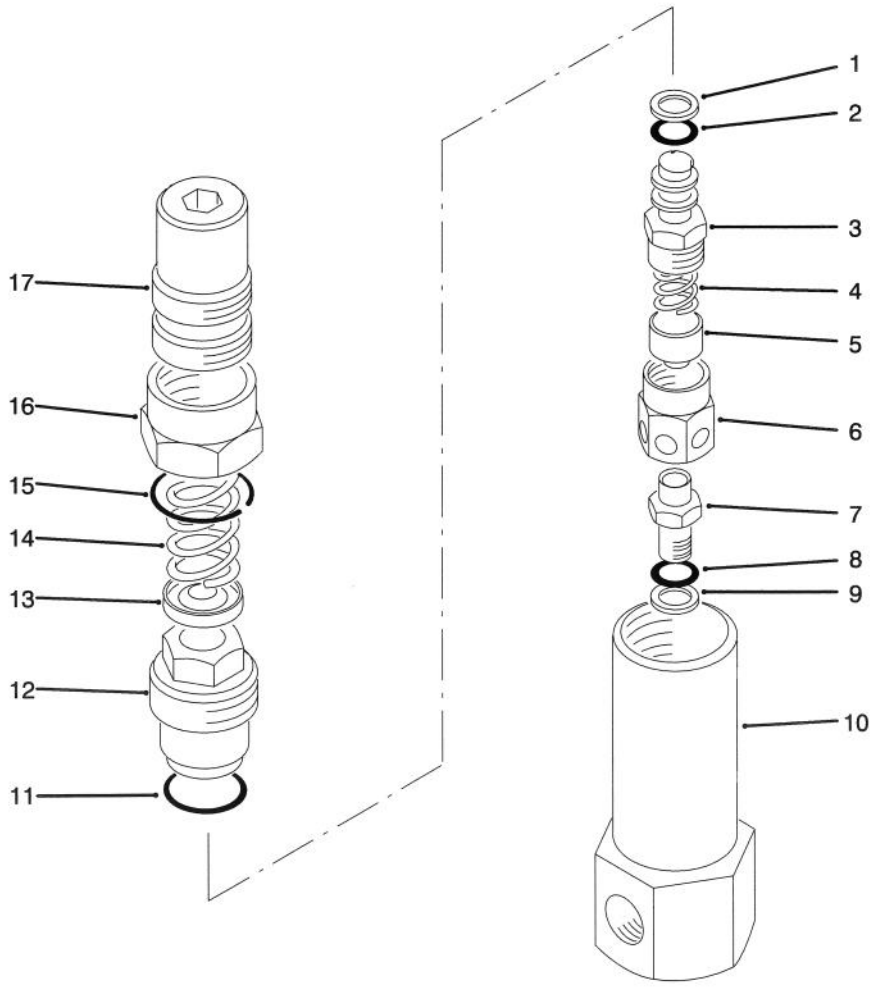
T–1257

ACCUMULATOR ASSEMBLY NO. 92–9546

Ref. No.	Part No.	Description	No. Used
1	92–9531	Retainer – Plunger	1
2	92–9532	Spring – Compression	1
3	92–9530	Plunger – Switch	1
4	92–9536	Ring – Backup	2
5	92–9535	Seal – O–Ring	1
6	80–8030	Decal – Danger	1
7	80–8880	Decal – Warning	1
8	324–26	Screw – Cap Hex. Hd.	4
9	80–5784	Seal – O–Ring	1
10	92–9528	Plug – Housing Lower	1

Ref. No.	Part No.	Description	No. Used
11	92–9533	Seal – O–Ring	1
12	92–9534	Ring – Backup	2
13	92–9526	Housing – Accumulator	1
14	92–9539	Bladder – Accumulator	1
15	92–9527	Plug – Housing Upper	1
16	92–9529	Retainer – Plug	1
17	80–9000	Valve – Accumulator	1
18	86–9050	Guard – Valve	1
19	3234–13	Screw – Cap Hex. Hd.	2

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

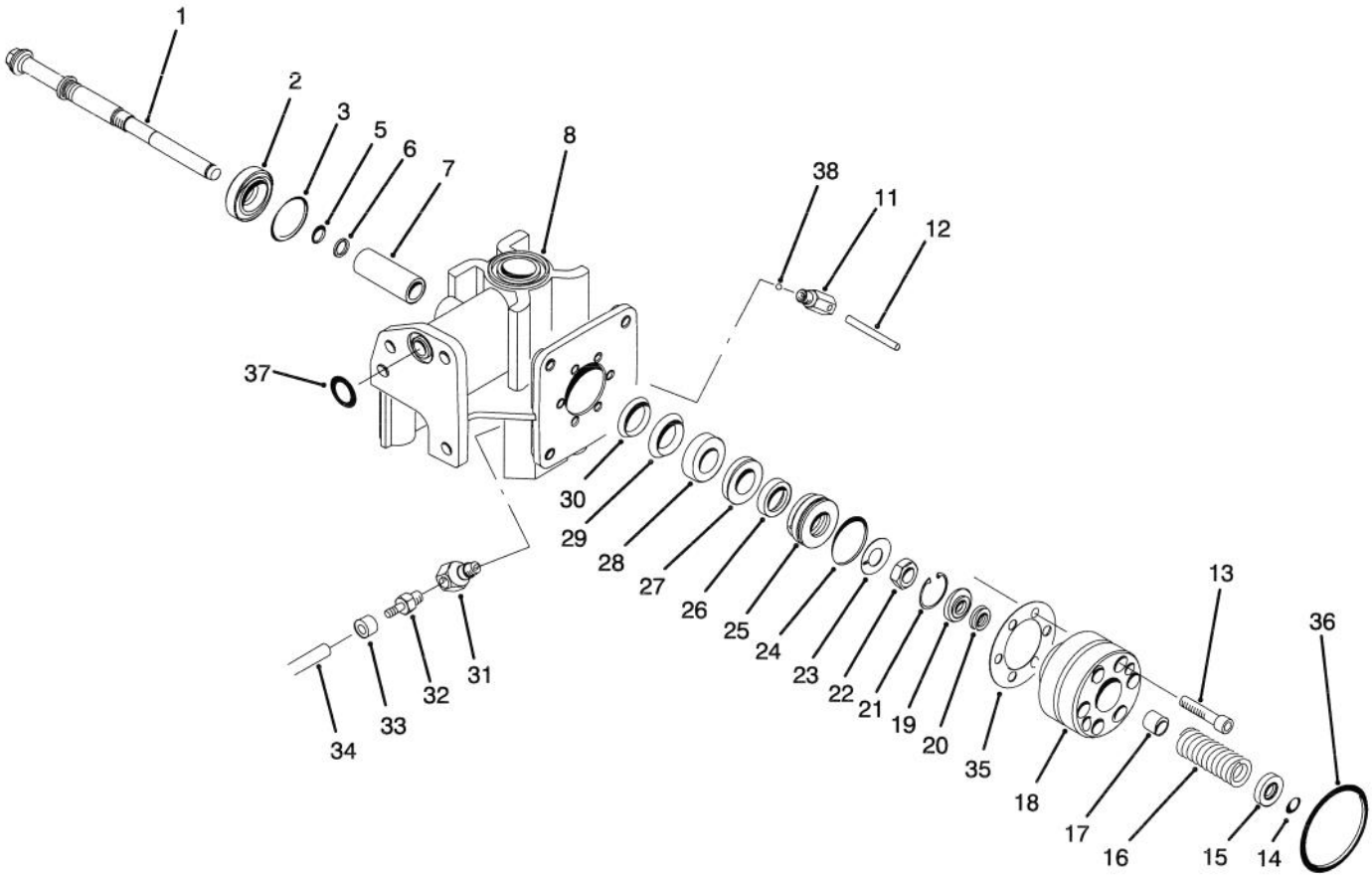


T–1918

RELIEF VALVE ASSEMBLY NO. 80–7070

Ref. No.	Part No.	Description	No. Used
1		Ring – Backup	1
2		Seal – O–Ring	1
3		Stem	1
4		Spring – Compression	1
5		Poppet	1
6		Retainer	1
7		Seat	1
8		Seal – O–Ring	1
9		Ring – Backup	1
10		Body	1
11		Seal – O–Ring	1
12		Insert – Plug	1
13		Equalizer – Spring	1
14		Spring – Compression	1
15		Ring – Retaining	1
16		Nut	1
17		Guide – Spring	1
*	86–8550	Valve Repair Kit (Incl. Ref. #1–10, 12 & 15–17)	1

*Not Illustrated

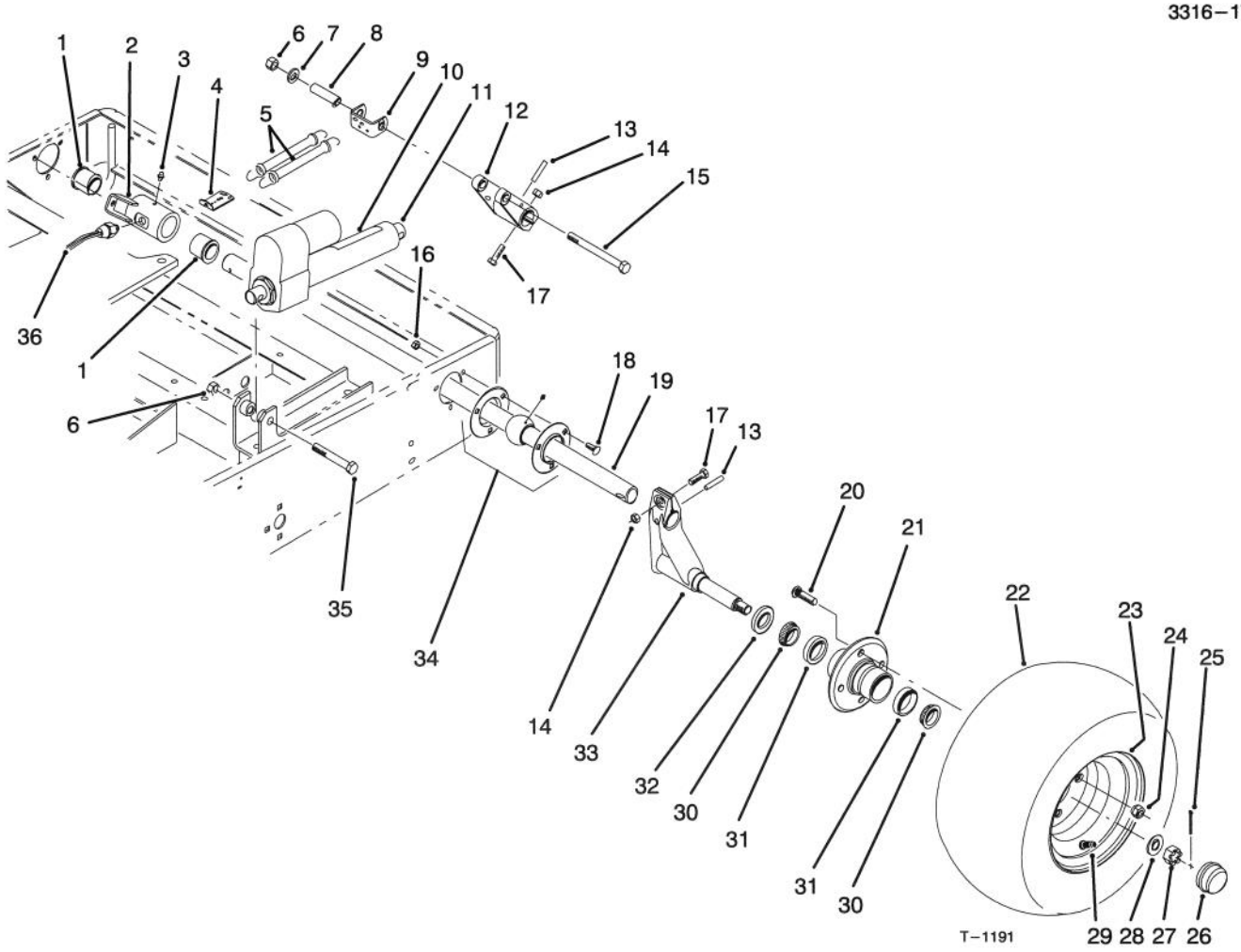


T–1206

WATER VALVE ASSEMBLY

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

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

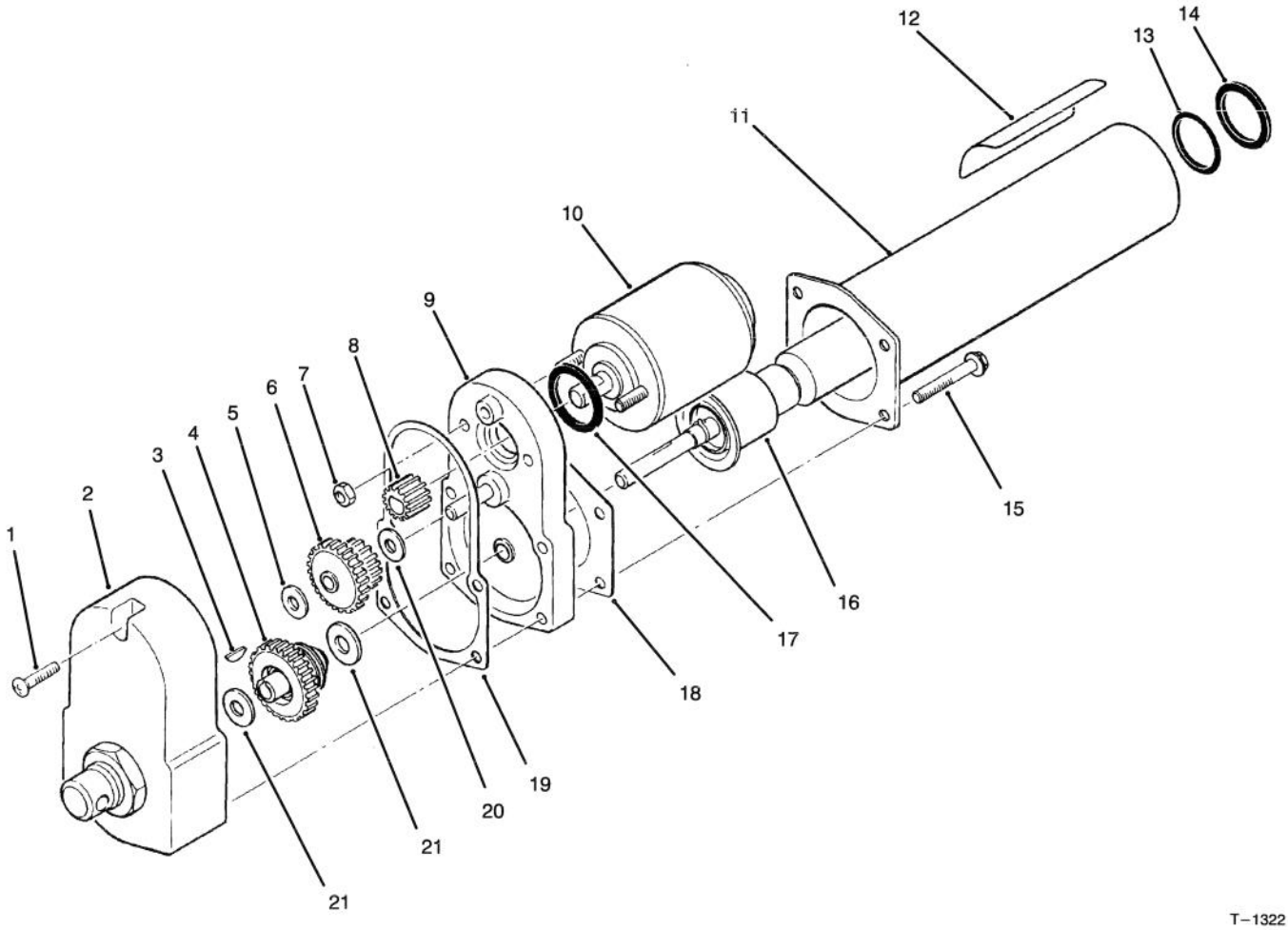


REAR AXLE ASSEMBLY

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

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

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



T–1322

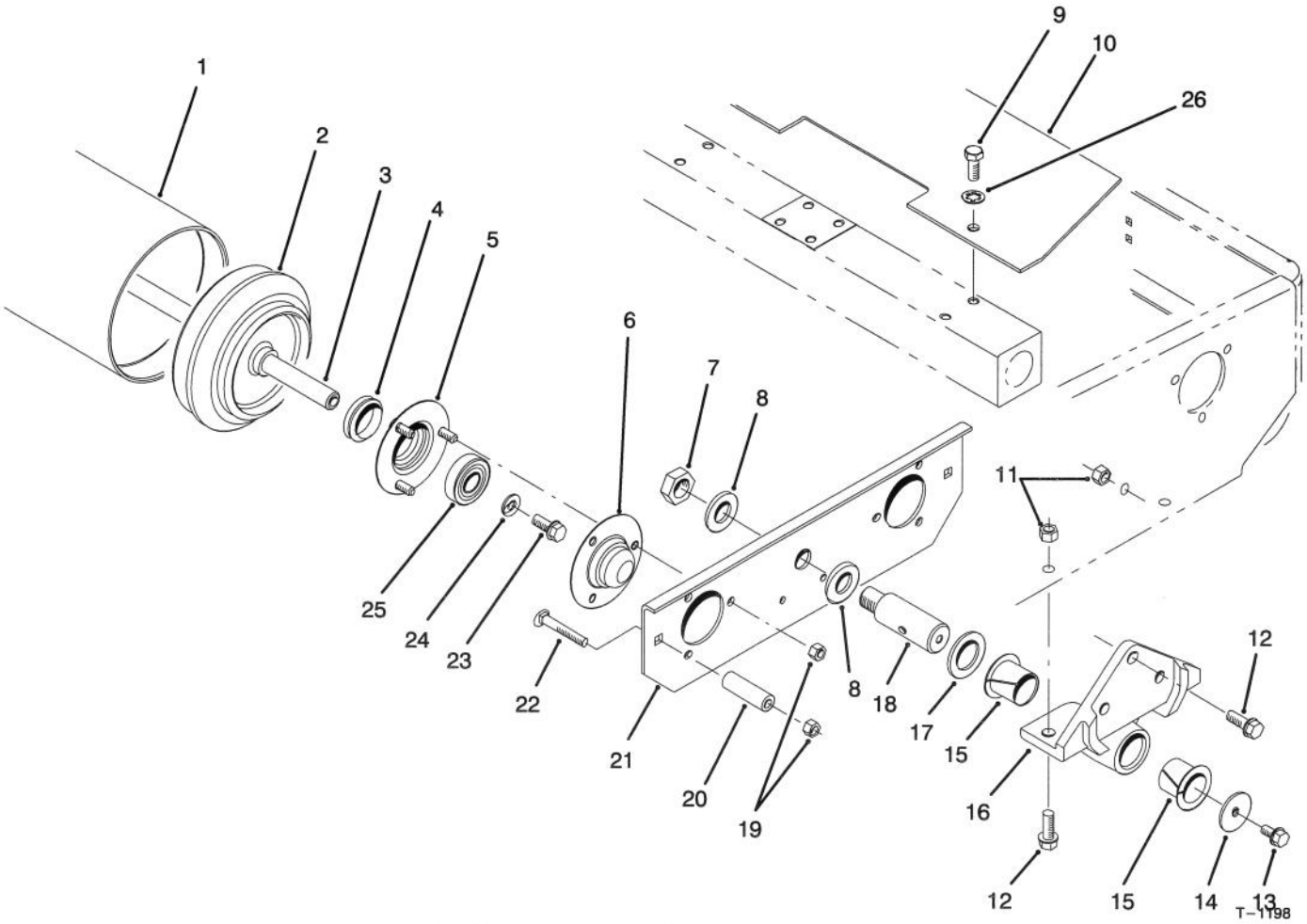
LIFT ACTUATOR ASSEMBLY NO. 14–5219

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

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

*Not Illustrated

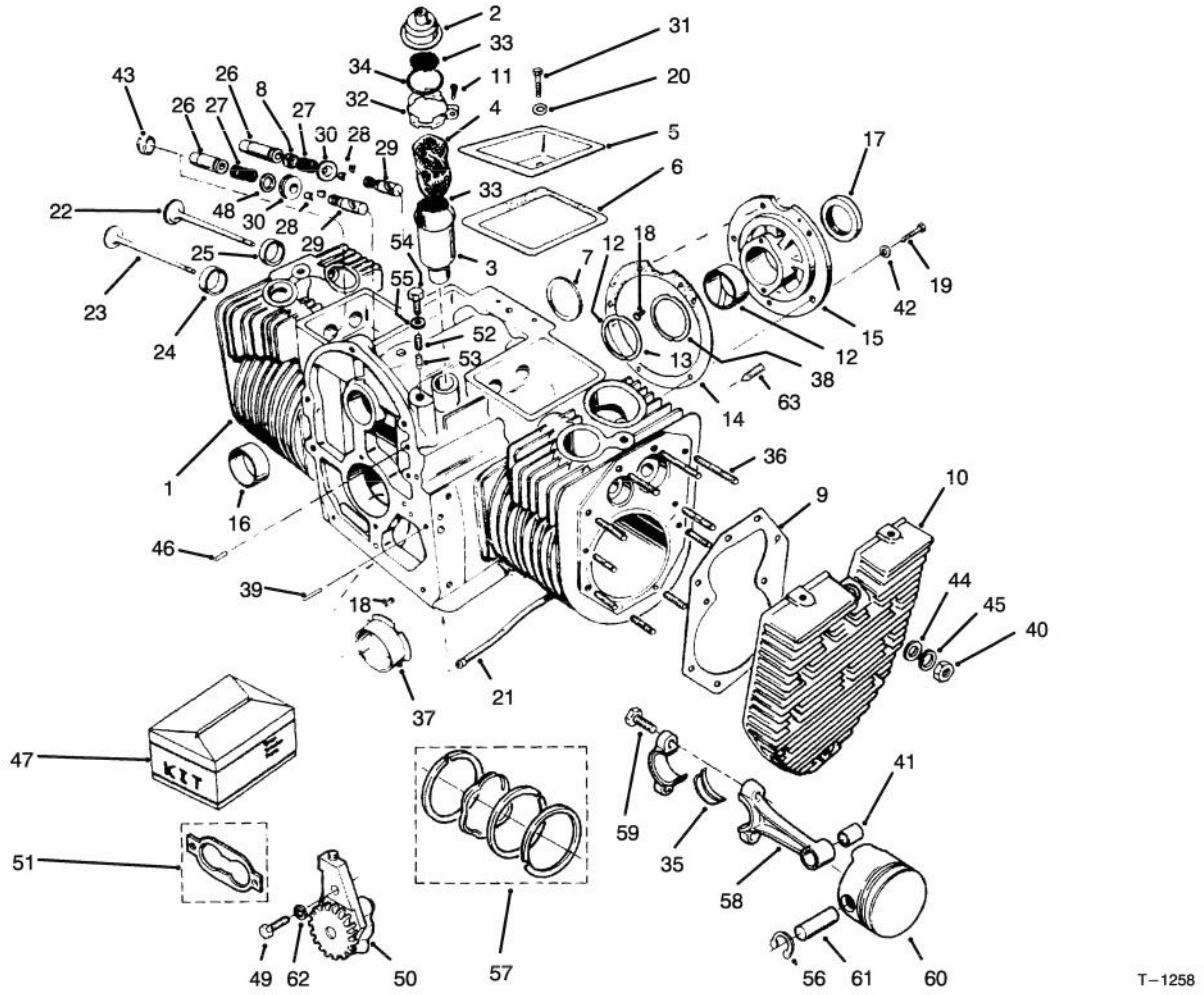
‡For different language versions of this part, see International Decal Cross Reference.



ROLLER ASSEMBLY

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

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

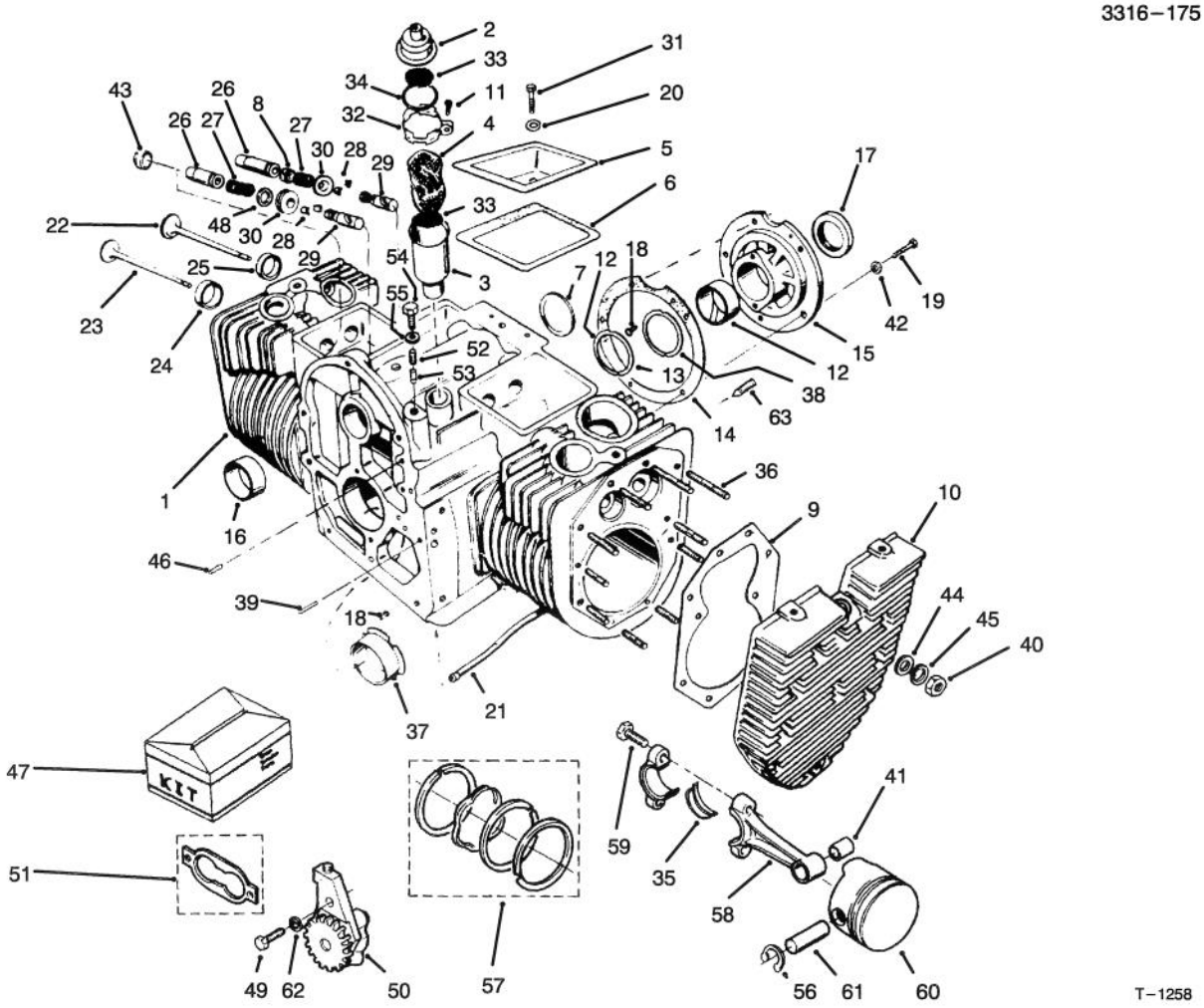


ENGINE CYLINDER BLOCK ASSEMBLY

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

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

*Not Illustrated
†Included in Short Block Assembly

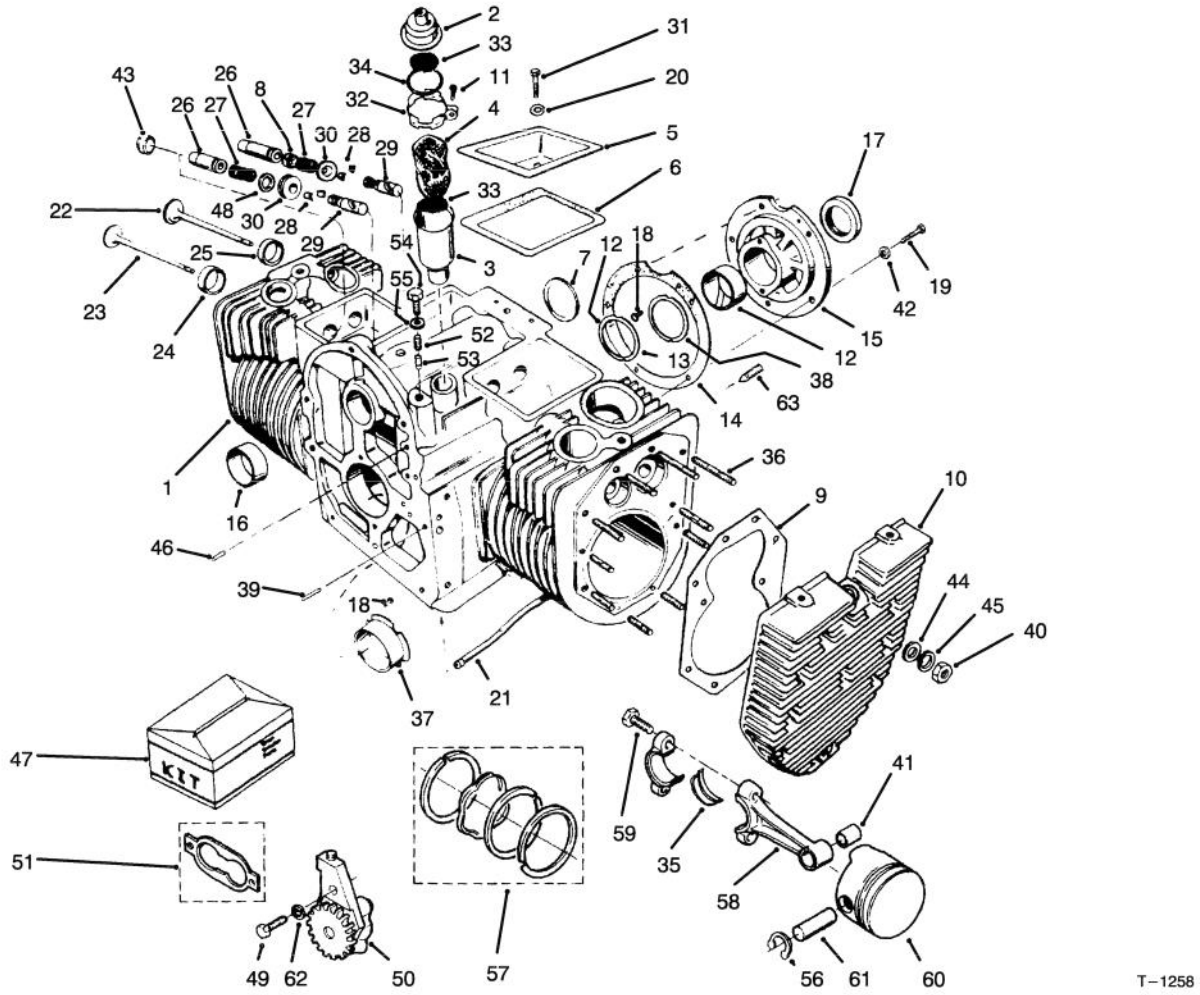


ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

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

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

*Not Illustrated
†Included in Short Block Assembly

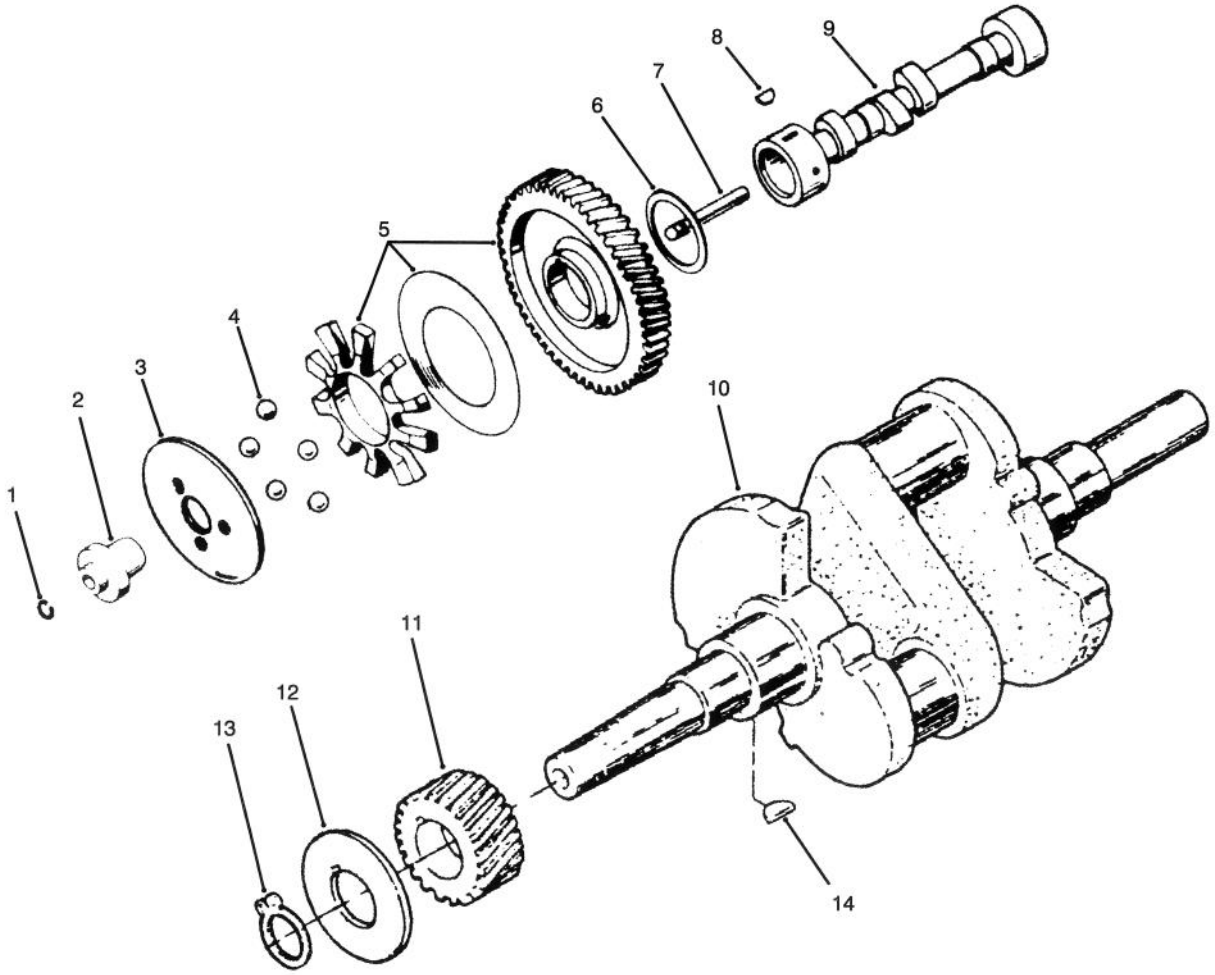


ENGINE CYLINDER BLOCK ASSEMBLY (Continued)

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

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

*Not Illustrated

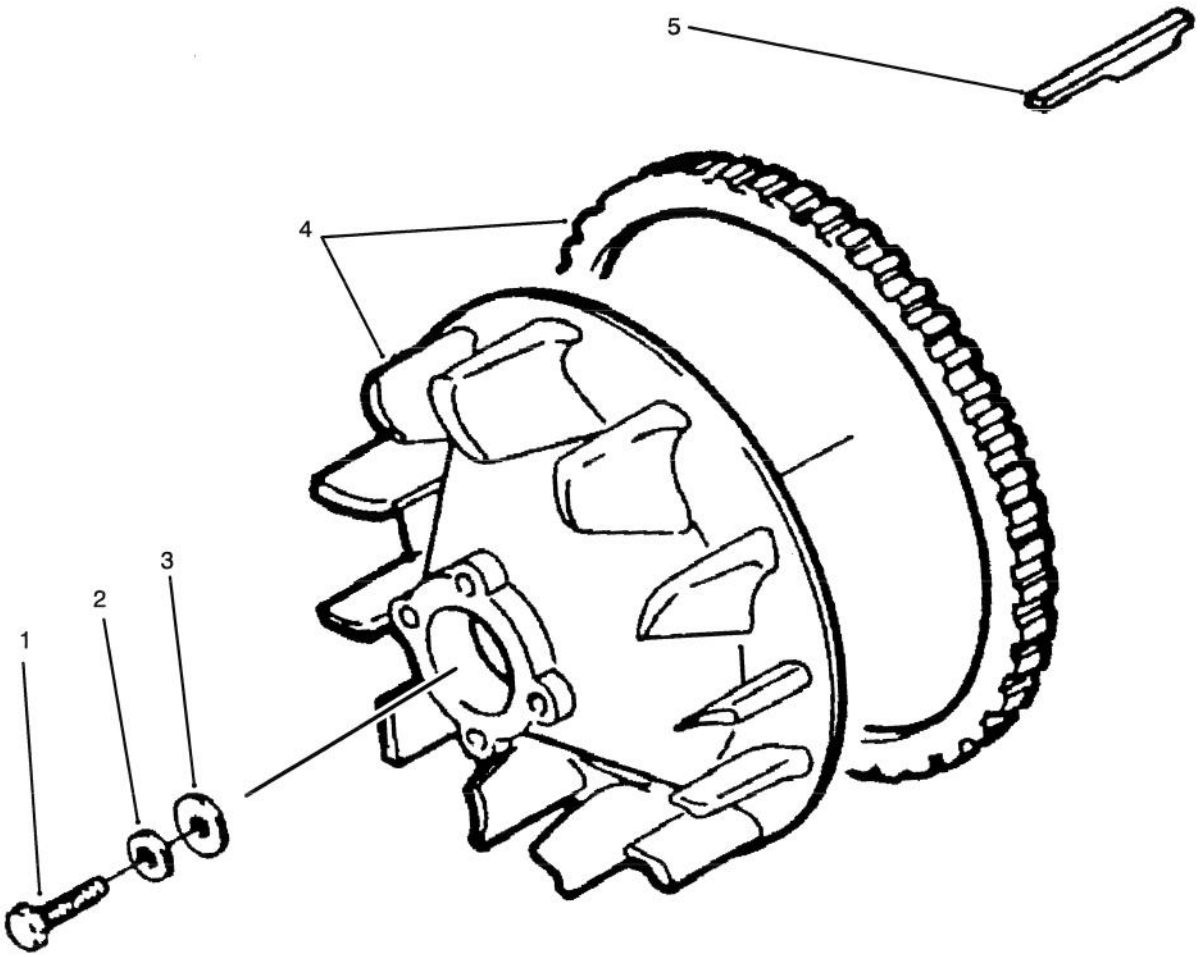


T–1259

ENGINE CAMSHAFT & CRANKSHAFT ASSEMBLY

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

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

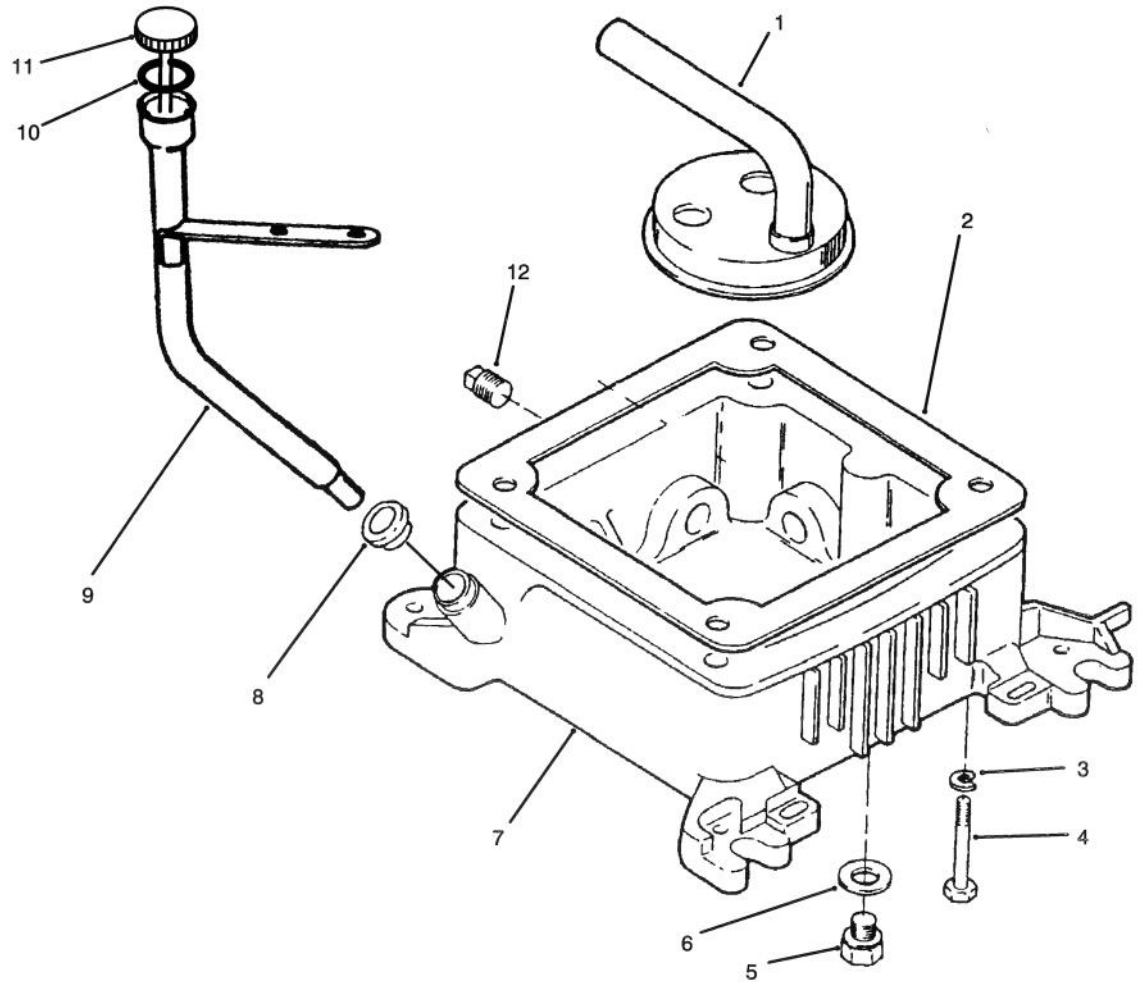


T–1260

ENGINE FLYWHEEL ASSEMBLY

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

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

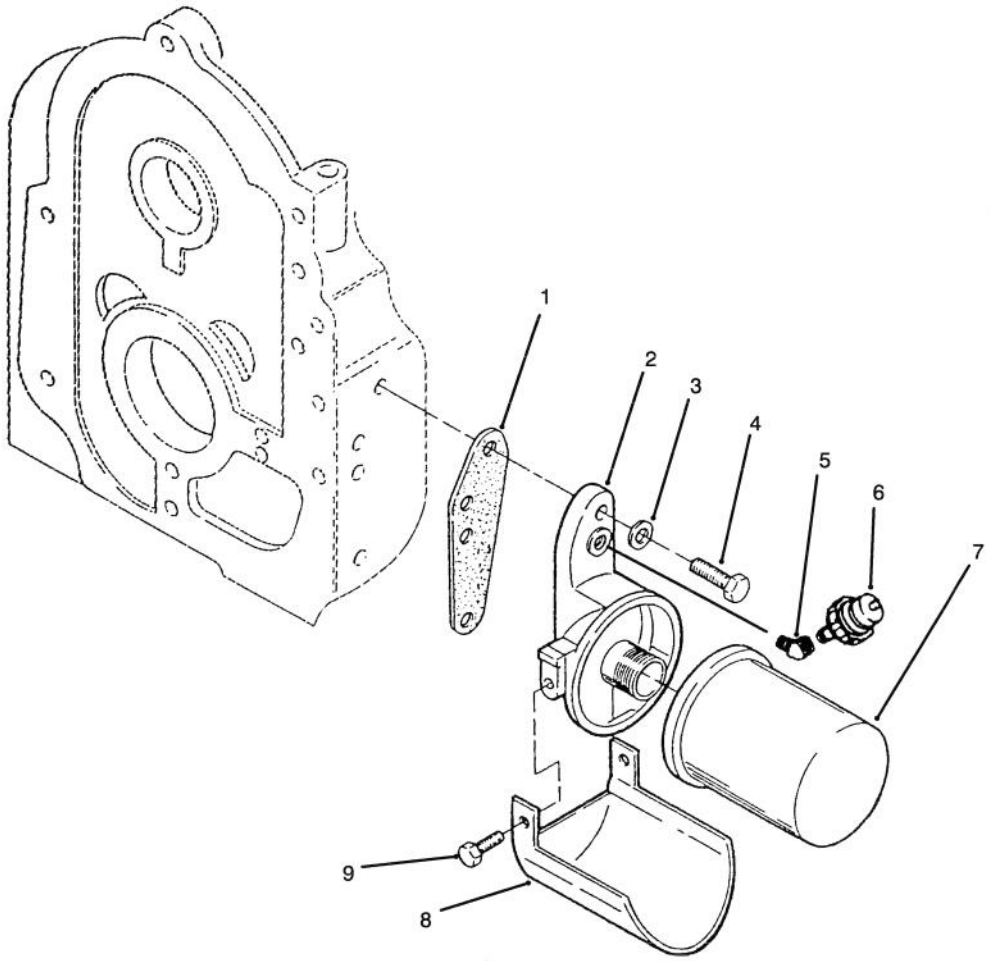


T–1261

ENGINE OIL BASE ASSEMBLY

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

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

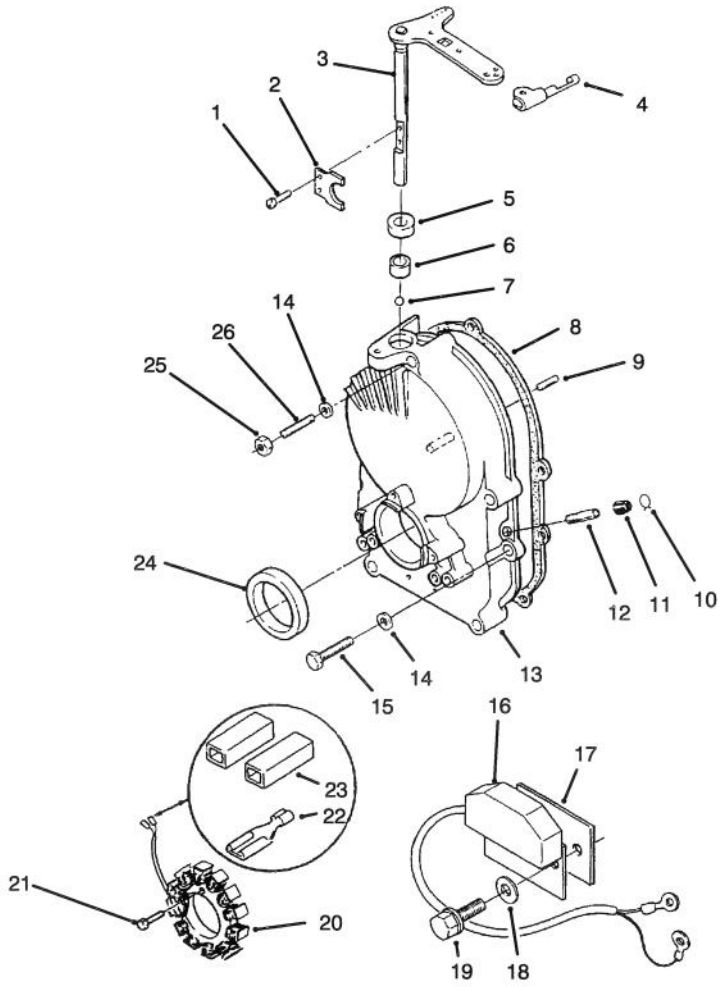


T–1262

ENGINE OIL FILTER ASSEMBLY

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

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

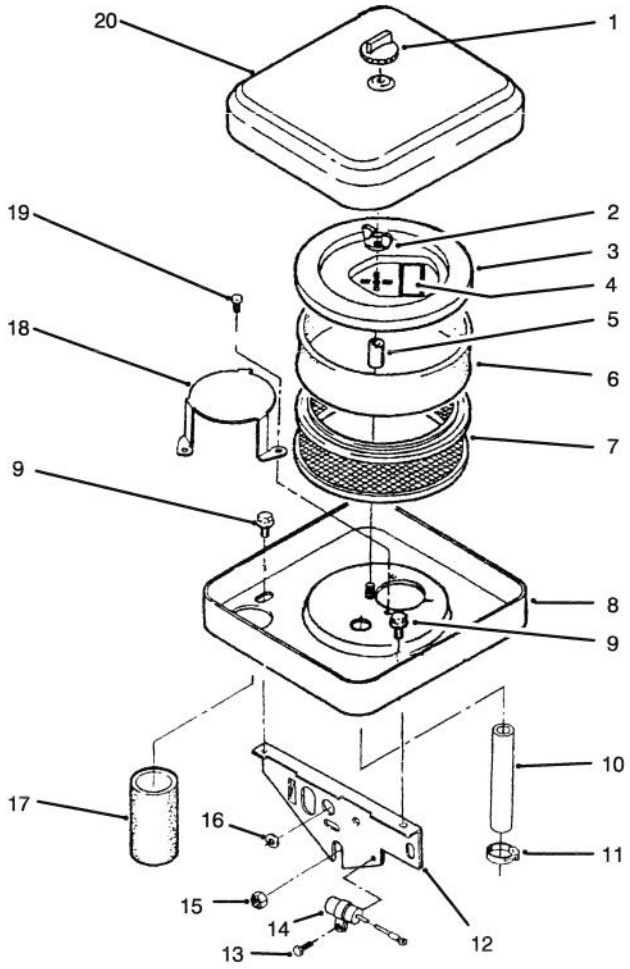


T–1263

ENGINE IGNITION CONTROL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59–0950	Screw – Pan Hd.	2
2	59–0420	Yoke – Governor Shaft	1
3	59–0440	Shaft/Arm – Governor	1
4	57–9730	Clip – Retaining	1
5	57–9500	Seal – Governor Shaft	1
6	57–9650	Bearing – Governor Shaft	1
7	57–9630	Ball – Governor Shaft	1
8	82–0910	Gasket – Gear Case	1
9	59–0740	Pin – Dowel	1
10	57–9550	Clamp – Cap	1
11	59–0370	Cap – Vacuum Port	1
12	59–0360	Tube – Vacuum Port	1
13	71–6350	Gear Case Assembly (Incl. Ref. #1–3, 5–7, 9–12 & 24)	1

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

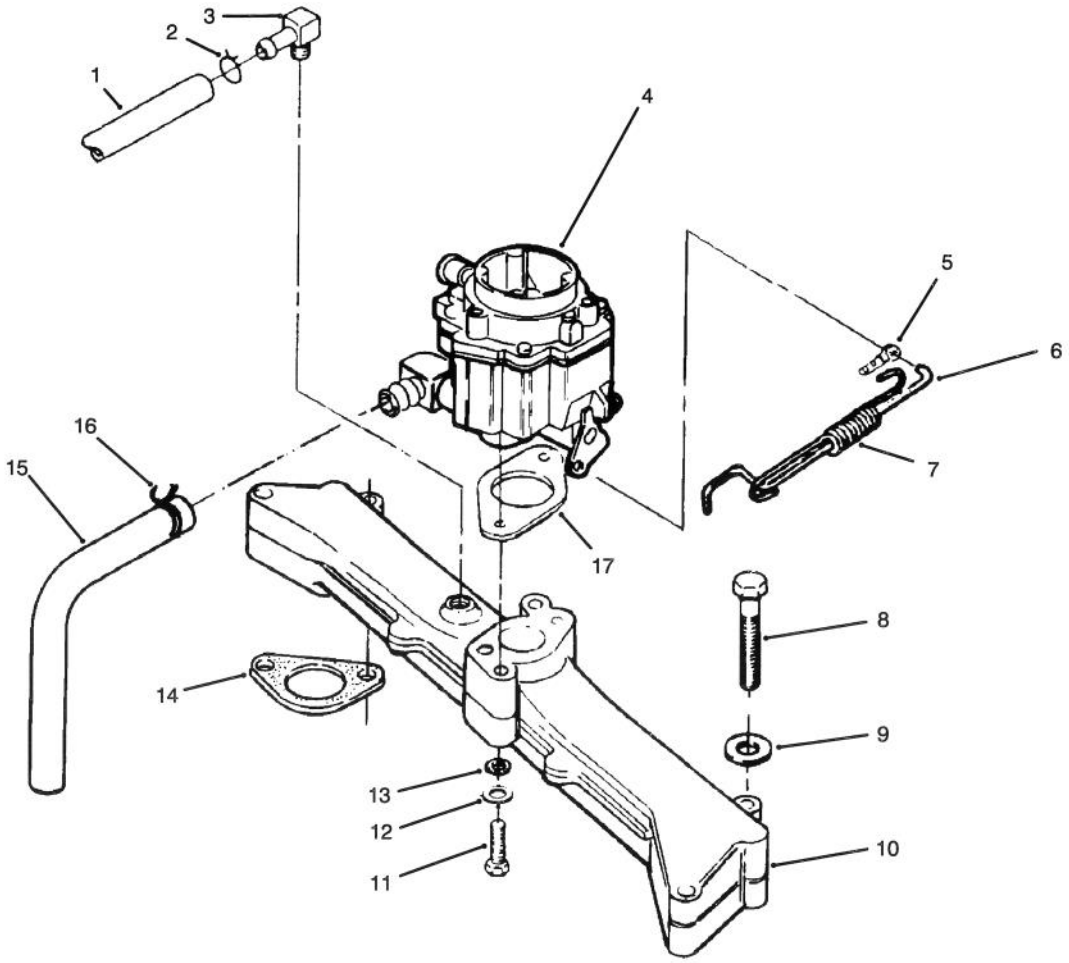


T–1264

ENGINE AIR CLEANER ASSEMBLY

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

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

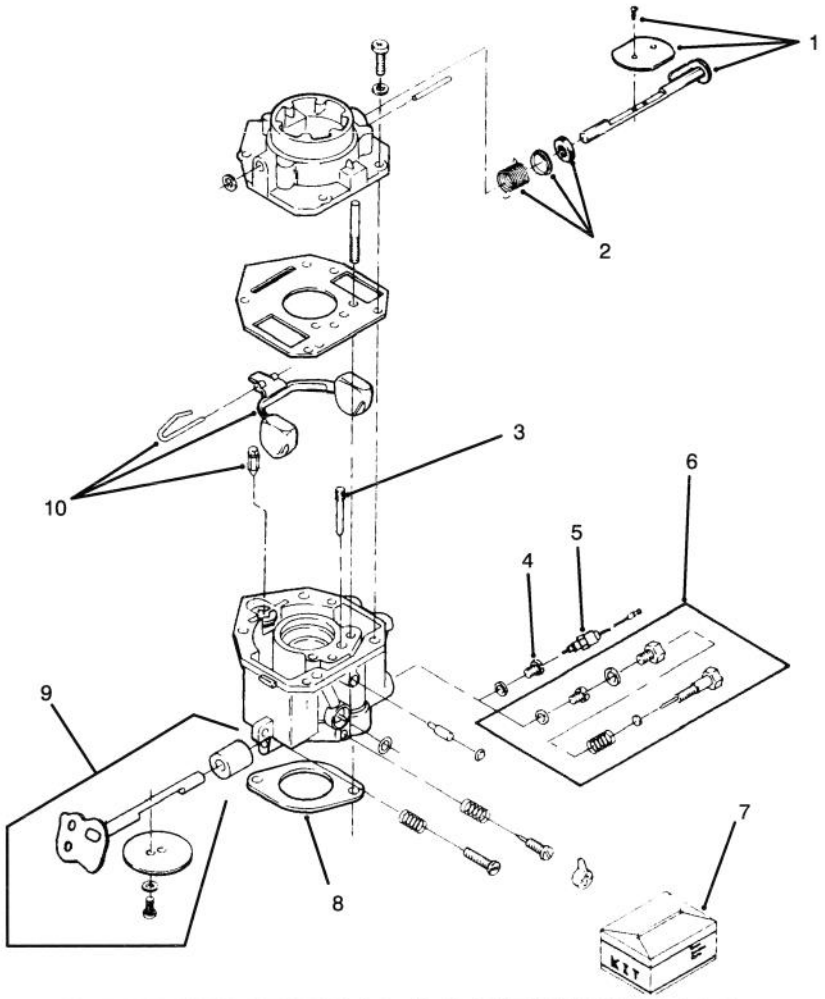


T–1265

ENGINE FUEL SYSTEM ASSEMBLY

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

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



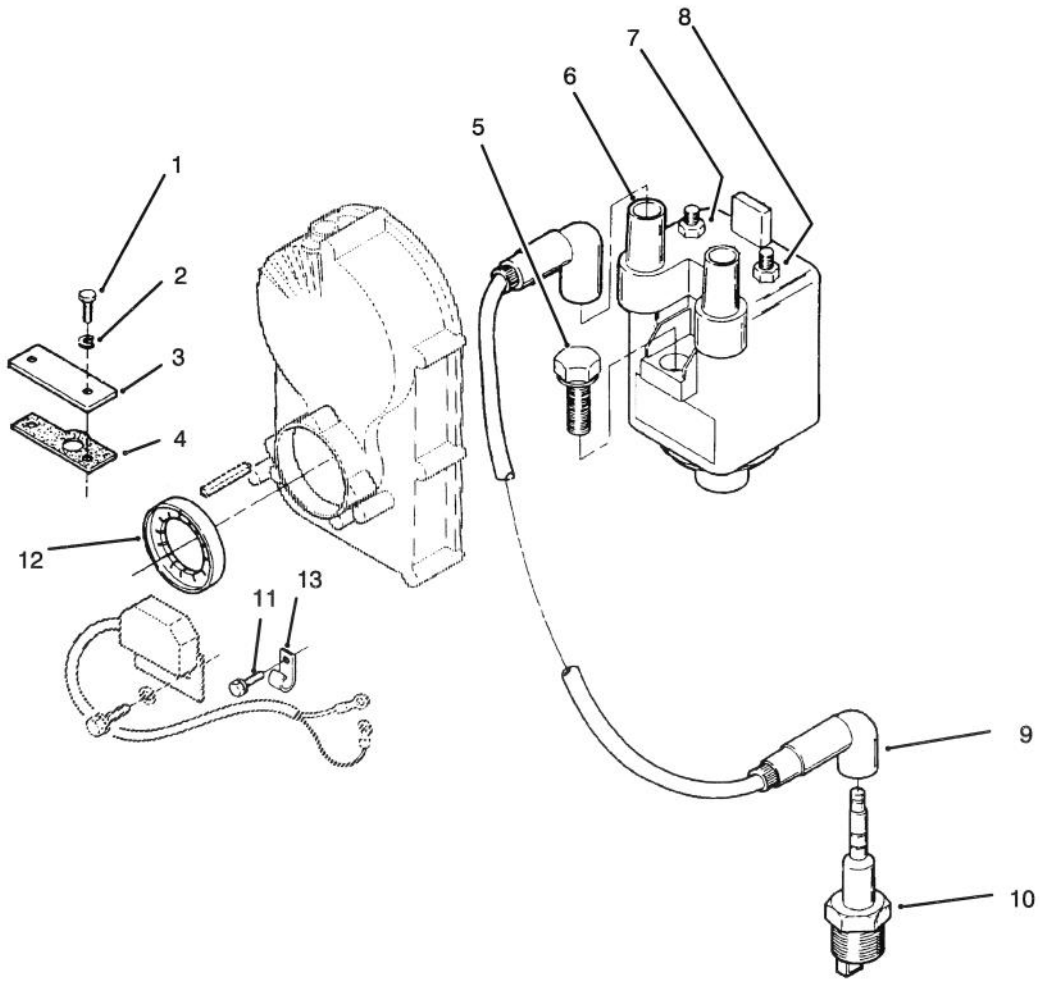
T–1266

ENGINE CARBURETOR ASSEMBLY NO. 82–0770

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

Ref. No.	Part No.	Description	No. Used
7	82–0780	Carburetor Repair Kit (Incl. Ref. #8 & 10)	1
8	82–0850	Gasket – Carburetor	1
*	82–0760	Gasket – Carburetor	1
9	82–0810	Kit – Throttle Shaft	1
10	62–2800	Float Assembly	1

*Not Illustrated



T–1267

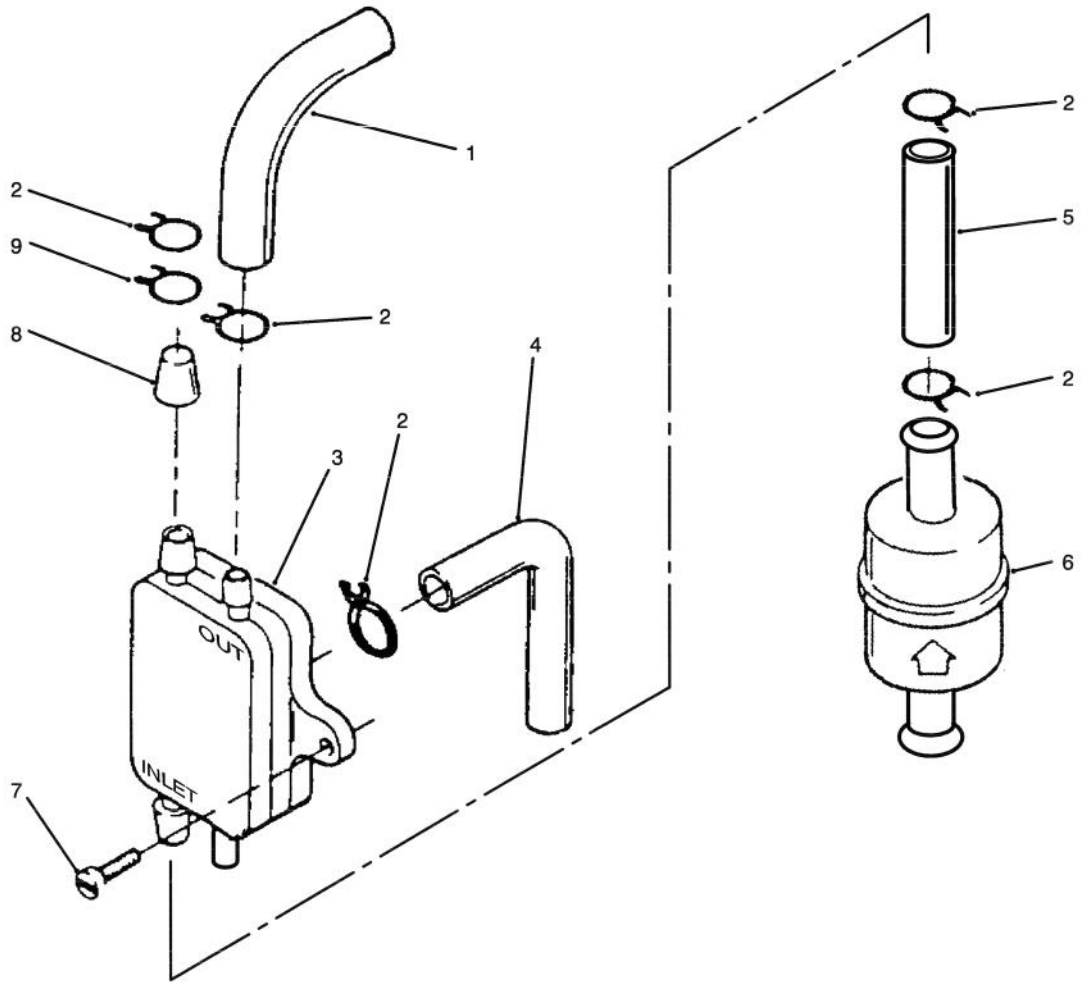
ENGINE ELECTRONIC IGNITION ASSEMBLY

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

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

*Not Illustrated

3316–175

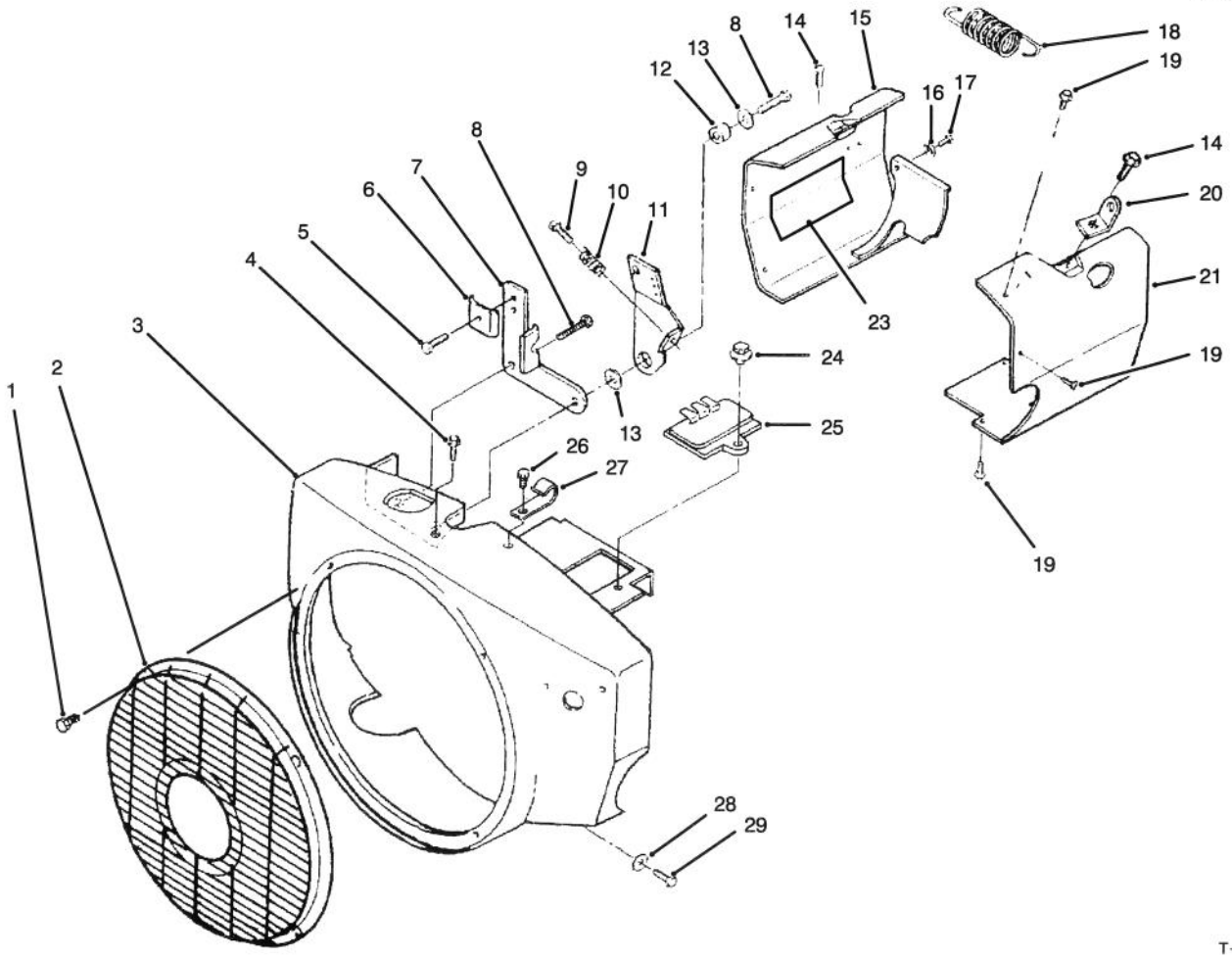


T–1268

ENGINE FUEL PUMP & FILTER ASSEMBLY

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

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

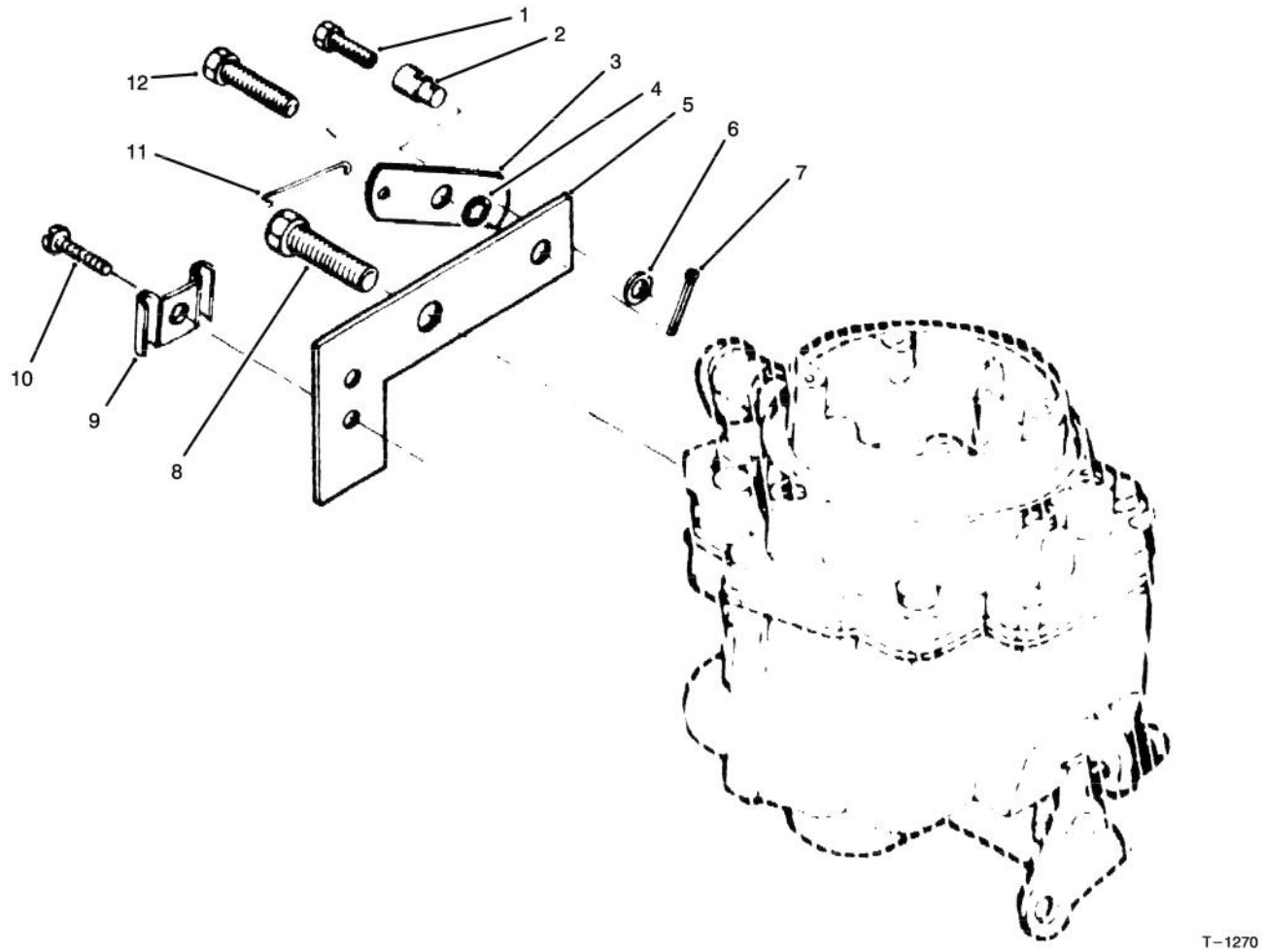


T–1269

ENGINE HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–1590	Screw – Pan Hd.	4
2	82–0620	Guard – Stationary	1
3	92–0948	Housing – Blower	1
4	59–1100	Screw – Hex. Washer Hd.	2
5	72–3900	Screw – Tapping	1
6	57–9190	Clamp – Cable	1
7	57–9150	Bracket – Cable	1
8	59–1010	Screw – Hex. Washer Hd.	2
9	59–1030	Screw – Tapping	1
10	59–0430	Spring – Idle Setting	1
11	57–9140	Arm – Governor Control	1
12	57–9120	Bushing – Control Arm	1
13	59–0830	Washer – Flat	2
14	82–1600	Screw – Hex. Washer Hd.	2
15	92–0949	Housing – Cylinder LH	1

Ref. No.	Part No.	Description	No. Used
16	59–0830	Washer – Flat	2
17	59–0980	Screw – Tapping	2
18	57–9100	Spring – Governor	1
19	59–1080	Screw – Hex. Washer Hd.	4
20	71–6080	Bracket – Lifting	2
21	92–0950	Housing – Cylinder RH	1
23	82–1580	Decal – Head Bolt Torque	2
24	59–1080	Screw – Hex. Flange Hd.	1
25	71–6030	Regulator – Voltage (20 Amp.)	1
26	82–1540	Screw – Hex. Washer	1
27	71–6220	Clip – Wire	1
28	59–0820	Washer – Flat	4
29	82–1780	Screw – Hex. Washer Hd.	3

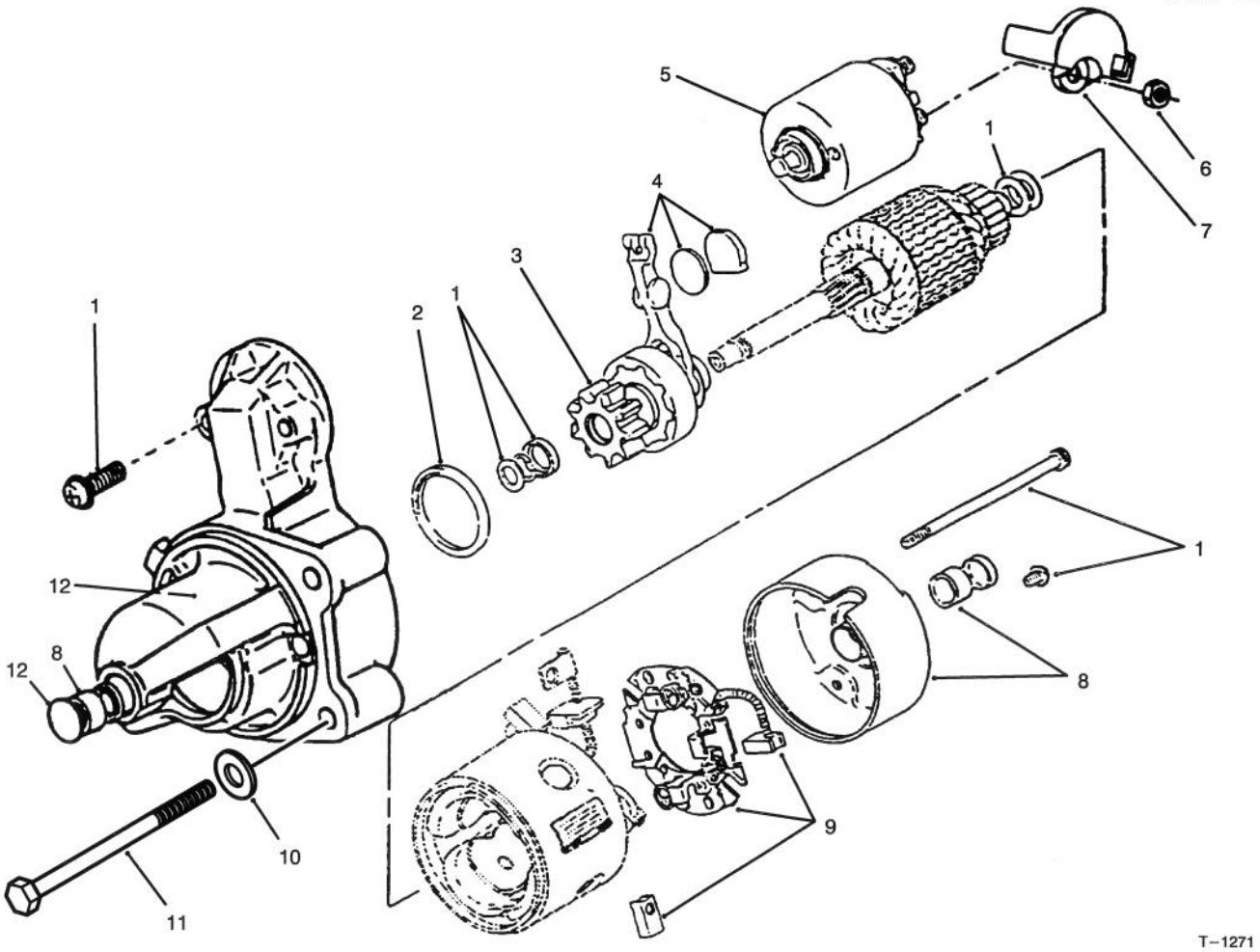


ENGINE CHOKE CONTROL ASSEMBLY

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

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

*Not Illustrated



T–1271

ENGINE STARTER ASSEMBLY NO. 71–6040

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

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

*Not Illustrated

INTERNATIONAL DECAL CROSS REFERENCE

JAPANESE DECAL KIT NO. 93–1657

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

SWEDISH DECAL KIT NO. 93–1658

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

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)

ITALIAN DECAL KIT NO. 93–1659

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

GERMAN DECAL KIT NO. 93–1660

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

INTERNATIONAL DECAL CROSS REFERENCE (Cont.)

SPANISH DECAL KIT NO. 93–1661

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

FRENCH DECAL KIT NO. 93–1662

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

TORO PART NUMBER INDEX

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

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

*Not Illustrated

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

*Not Illustrated

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

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

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MAINTENANCE RECORD

Date								