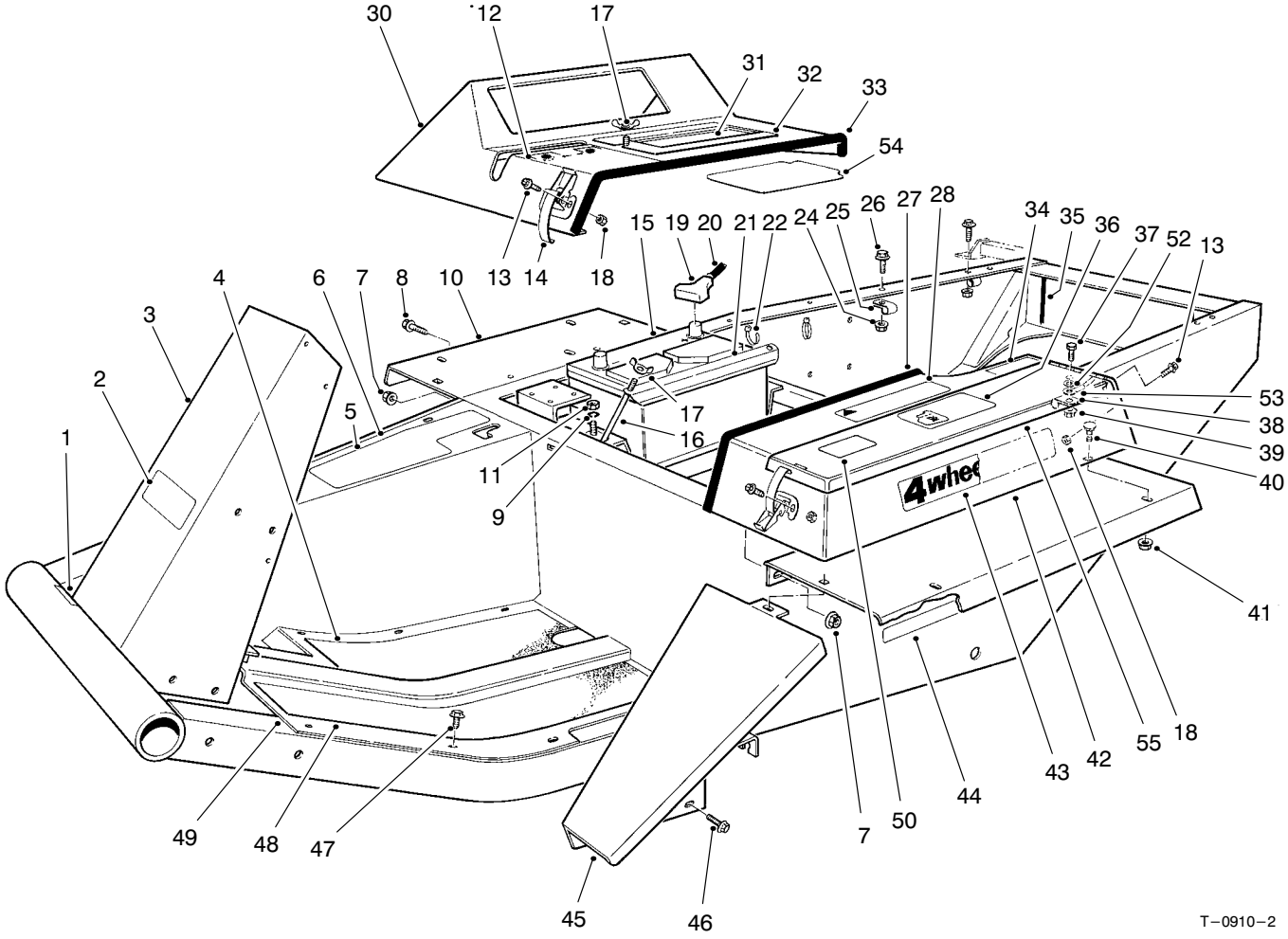
FORM NO. 3317−146 REV E

TORO®

MODEL NO. 30795−50001 & UP

PARTS CATALOG

GROUNDSMASTER® 325D 4WD
TRACTION UNIT & ACCESSORIES



MAIN FRAME ASSEMBLY

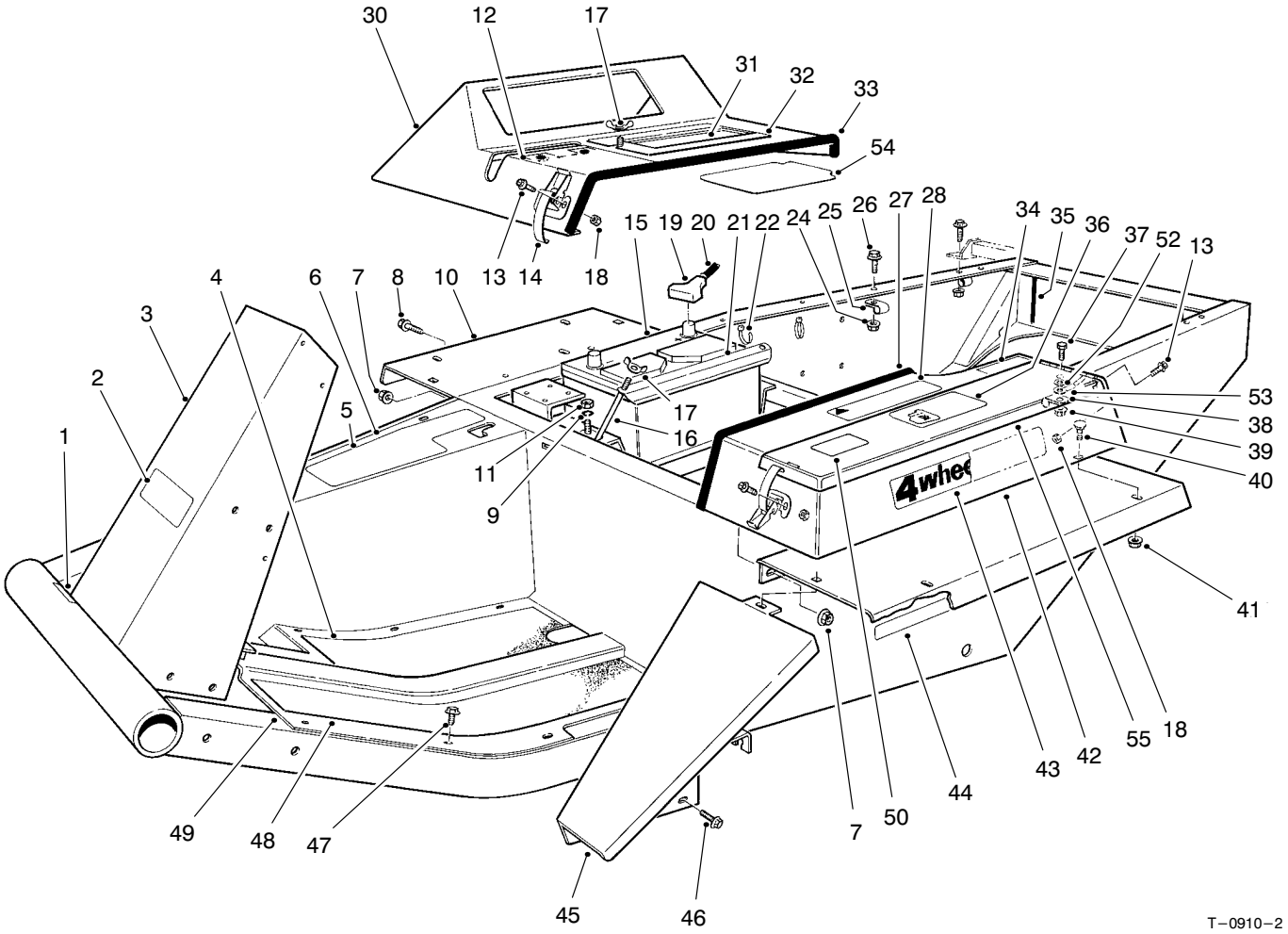
Ref. No.	Part No.	Description	No. Used
1	27−7320	Decal − Traction Pedal	1
2	70−2200	Decal − Toro	1
†3	94−2689	Frame (Incl. Ref. #1−2, 7, & 44)	1
4	21−2770	Pad − Foot Rest, R.H.	1
5	66−6390	Decal − Caution	1
6	21−2660	Footrest	1
7	32128−21	Nut − Lock, Flange	6
8	3234−12	Screw − Hex. Hd. Flange	4
9	3253−4	Washer − Lock	2
10	72−3690	Fender	2
11	3217−6	Nut	2
12	27−7290	Decal− Power Take Off	1
13	3290−144	Screw − HH	9
14	249−21	Clamp − Hook	3
15	63−9230	Battery − Type MF214−78	1
16	24−6390	Stud − Battery Hold Down	2

Ref. No.	Part No.	Description	No. Used
17	32103−2	Nut − Wing	3
18	3296−2	Nut − Lock	9
19	28−1280	Boot − Cable	1
20	70−1180	Cable − Battery, Positive (Incl. Ref.#19)	1
21	24−6420	Hold Down − Battery	1
22	3290−378	Tie − Cable	2
24	3290−357	Nut − Lock, Flange	5
25	2412−4	Clamp	3
26	3234−11	Screw − Cap, Locking Fl.	5
27	37−9650	Trim	1
28	67−1710	Decal − Caution	1
30	38−4550	Cover − Instruments	1
31	92−7802	Decal − Instructions, Start.	1
32	92−7800	Cover − Access, Battery (Incl. Ref. #31 & 54)	1
33	39−8020	Trim − Cover, Instruments	1

† Includes Item #27, Page 24 and Item #42, Page 15.

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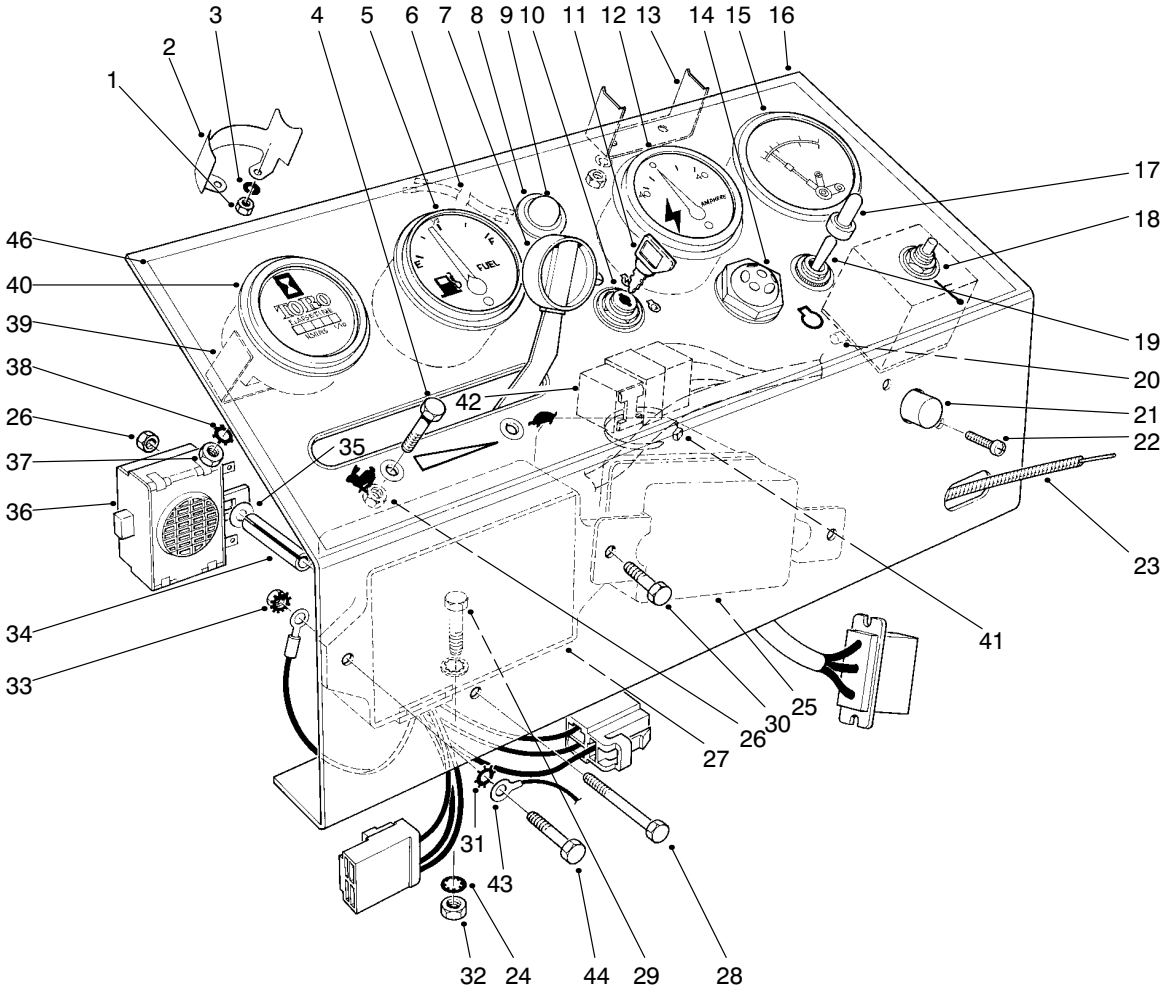
TPS



MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
34	52−1321	Decal − Fuel, Diesel	1
35	43−4300	Trim − Frame, Rear	2
36	27−7310	Decal − Refueling	1
37	322−5	Screw − Cap, Hex. Hd.	1
38	2412−74	Clamp	1
39	32128−20	Nut − Lock, Flange	1
40	3229−1	Bolt − Carriage	5
41	32128−33	Nut − Lock, Flange	5
42	93−3183	Tool Box (Incl. Ref. #28)	1
43	72−3560	Decal − 4 WD	2
44	67−1720	Decal − Torque	2

Ref. No.	Part No.	Description	No. Used
45	68−8610	Fender − Extension	1
46	3234−14	Screw − Cap, Hex. Hd.	2
47	32144−10	Screw, Self−Tapping	11
48	21−2760	Pad − Foot Rest L.H.	1
49	88−0070	Plate − Floor	1
50	72−3700	Decal − Caution	2
52	3254−2	Washer − Lock, Int. Tooth	1
53	18−2770	Cable − Ground	1
54	92−7801	Shield − Battery Cover	1
55	93−3185	Cover (Incl. Ref. #36 & 50)	1



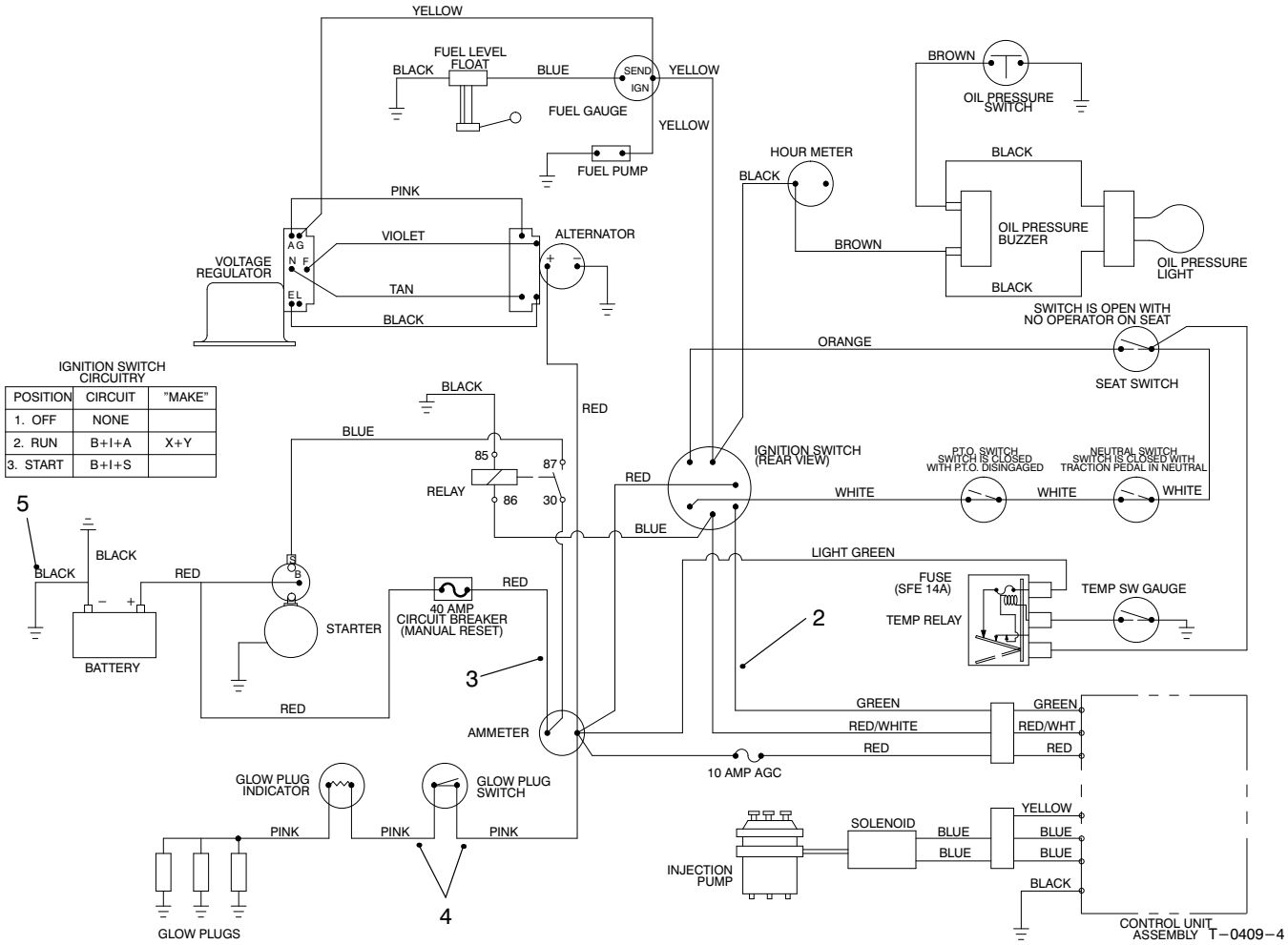
T−0408−3

INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3219−14	Nut	6
2	38−1670	Clamp Mounting	2
3	3253−17	Washer − Lock	6
4	3290−134	Screw − Hex. Hd. Mach.	2
5	38−1650	Fuel Gauge (Incl. Ref. #1−3)	1
6	44−2220	Wire Lead	1
7	233−35	Knob	2
8	44−2210	Warning Light (Inc. Ref. #9)	1
9	218−533	Lens	1
10	27−2360	Key Switch (Incl. Ref. #11)	1
11	63−8360	Key	1
12	38−1660	Ammeter (Inc. Ref. #1−3)	1
13	218−539	Clamp	1
14	42−9190	Glow Lamp	1
15	26−6750	Engine Temperature Gauge (Incl. Ref. #1, 3, & 13)	1
16	43−3970	Panel − Instrument	1
17	218−473	Toggle Switch Boot	1
18	26−6740	Temperature Reset Relay	1
19	6−1659	Toggle Switch (Inc. Ref. #17)	1
†20		Fuse − Temp. Relay 14 Amp. SFE	1

Ref. No.	Part No.	Description	No. Used
21	43−4000	Circuit Breaker	1
22	3250−17	Screw − Pan Hd.	2
23	43−3990	Throttle Control (Incl. Ref. #7)	1
24	3254−2	Washer − Lock, Int. Tooth	6
25	43−0410	Regulator Assembly	1
26	3296−12	Nut − Lock	3
27	43−1880	Control Unit Assembly	1
28	3290−424	Screw − Hex. Hd. Mach.	1
29	322−5	Screw − Cap, Hex. Hd.	2
30	321−4	Screw − Cap, Hex. Hd.	2
31	3255−7	Washer − Lock, Ext. Tooth	3
32	3217−6	Nut − Hex	2
33	32149−2	Nut − Lock	3
34	43−3820	Spacer	1
35	3256−14	Washer − Flat	1
36	22−7820	Buzzer Assembly	1
37	3217−26	Nut	1
38	3255−5	Washer − Lock	1
39	218−515	Mounting Bracket	1
40	12−9990	Hour Meter (Incl. Ref. #37−39)	1
41	3290−379	Cable Tie	1
42	63−7590	Relay	1
43	70−1190	Cable − Ground	1
44	321−6	Screw − Cap, Hex. Hd.	1
46	43−3980	Decal − Panel, Instrument	1

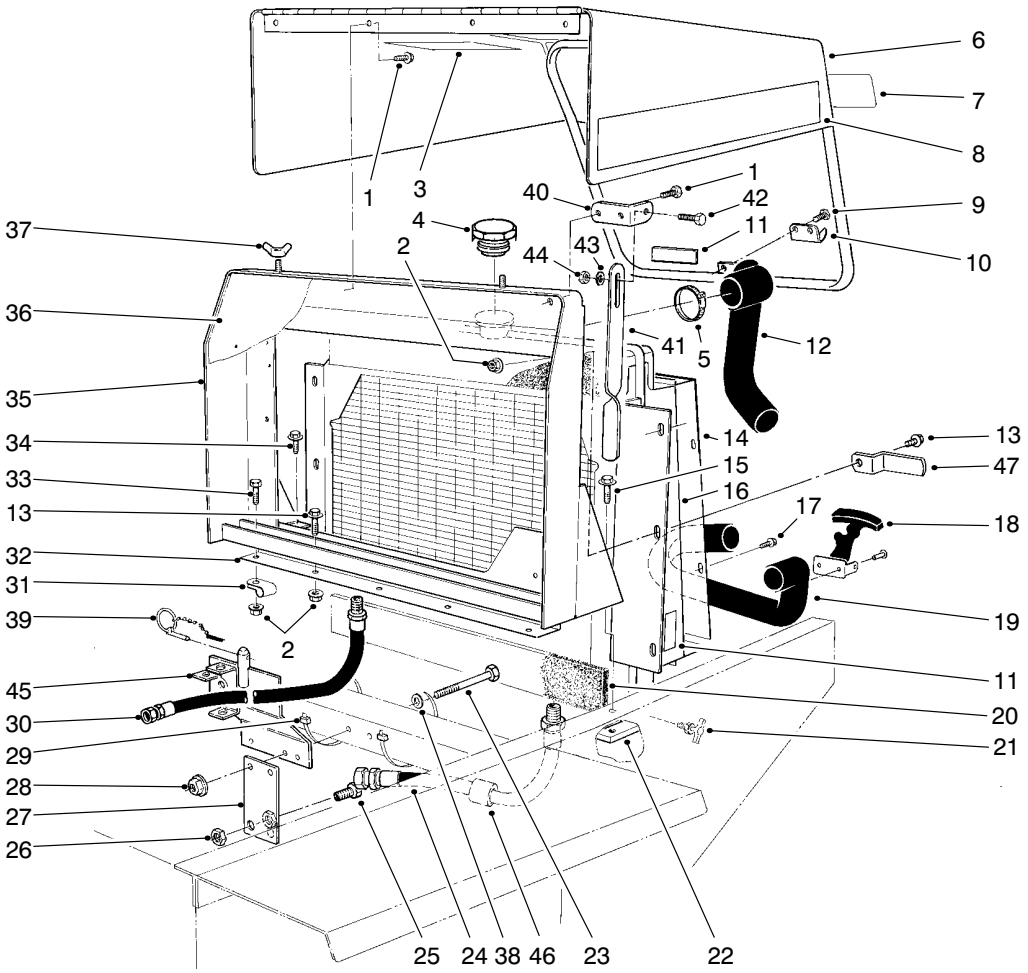
† Obtain Locally



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	88−1790	Wire Harness Assembly	1
3	43−4040	Wire Assembly	1

Ref. No.	Part No.	Description	No. Used
4	43−4010	Wire Assembly	2
5	70−1190	Ground Cable	1

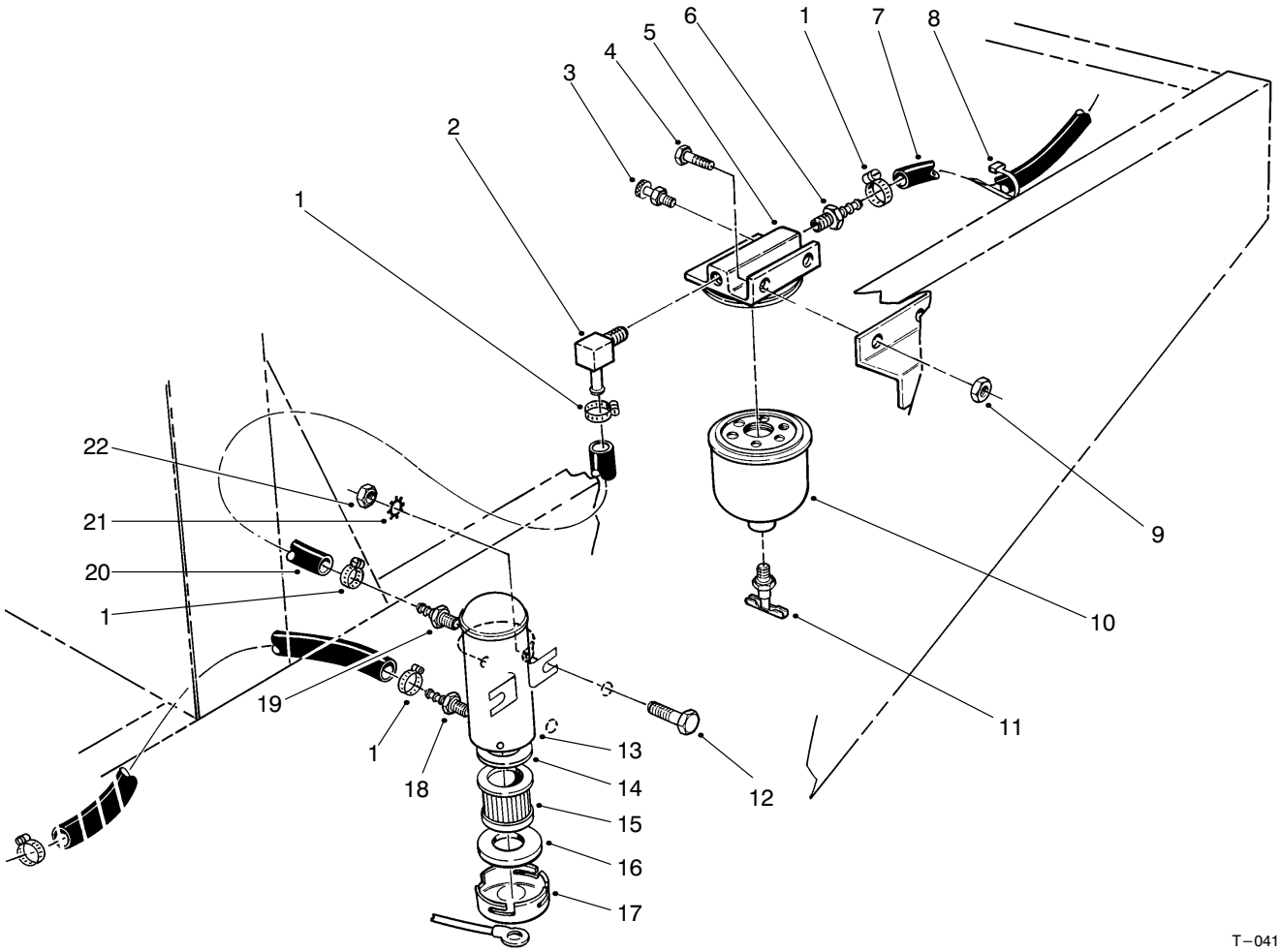


T−0410−2

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144−10	Screw − Self−Tapping	5
2	32128−20	Nut − Hex. Hd. Flange	11
3	82−8970	Decal − Engine Coolant	1
4	66−3240	Radiator Cap Assy.	1
5	2412−3	Hose Clamp	4
6	14−8459	Hood	1
7	66−6140	Decal − Toro	1
8	93−3188	Decal − 325−D	2
9	3290−271	Rivet	4
10	249−40	Keeper	1
11	77−3100	Decal −Warning	3
12	43−3350	Hose − Upper, Radiator	1
13	3234−14	Screw − Hex, Flange Hd.	11
14	43−3330	Radiator Shroud	1
15	3234−1	Screw − Cap, Locking Hex. Flange Hd.	2
16	33−2570	Radiator Assembly	1
17	32104−116	Screw −Self Tapping	8
18	249−39	Flexible Draw Latch	1
19	43−7020	Hose − Lower, Radiator	1
20	43−3320	Foam − Radiator	2
21	304−46	Drain Cock	1
22	38−4600	Bar − Frame L.H.	1
23	323−14	Screw − Cap, Hex. Hd.	3
24	63−9010	Hose Assembly (Cooler to Pump)	1

Ref. No.	Part No.	Description	No. Used
25	340−71	Union − Bulkhead	2
26	340−70	Nut − Lock, Bulkhead	2
27	68−9160	Bracket	1
28	32128−21	Nut − Flange Hd.	3
29	3290−379	Cable Tie	4
30	63−8960	Hose Assembly (Valve to Cooler)	1
31	2412−39	Clamp	1
32	43−3340	Grille − Sealing Plate	1
33	322−6	Screw − Cap, Hex. Hd.	1
34	11−0590	Screw − Cap, Self Tapping	2
35	88−1820	Radiator Support	1
36	67−9030	Grille	1
37	32103−2	Nut − Wing	2
38	5−0838	Washer − Flat	3
39	283−76	Pin − Lynch	1
40	84−5330	Bracket − Hood Prop	1
41	84−5380	Strap − Hood Prop	1
42	321−6	Screw − Cap Hex. Hd.	1
43	3256−22	Washer − Flat	1
44	3296−16	Nut − Lock	1
45	86−9410	Support − Seat	1
46	38−3400	Guard − Rubber	1
47	86−7060	Bracket − Hood Hold Down	1

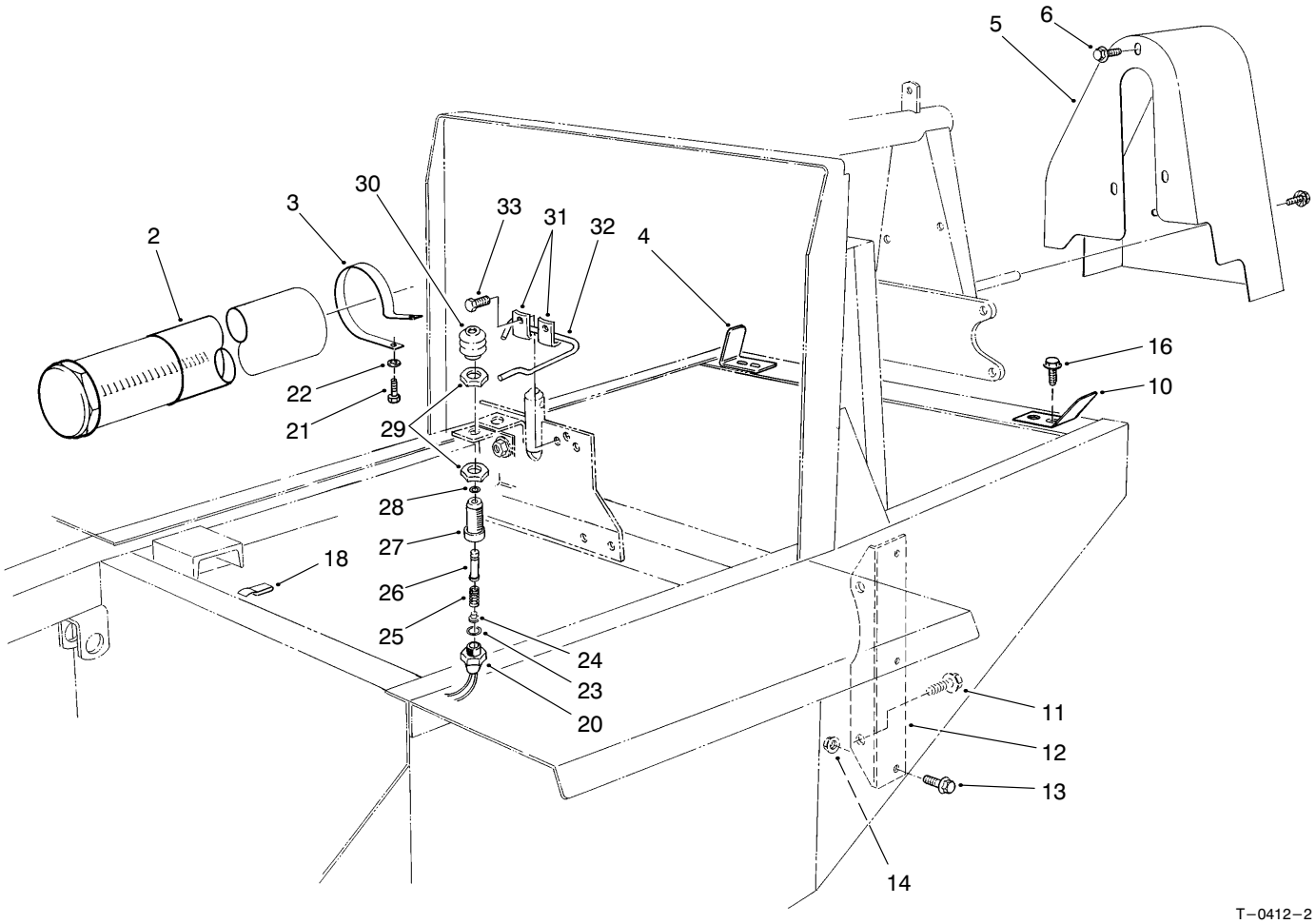


T−0411−2

FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−108	Hose Clamp	5
2	304−96	90˚ Hose Barb	1
3	63−8290	Vent	1
4	321−4	Screw − Cap, Hex. Hd.	2
5	63−8280	Head Assembly	1
6	353−975	Hose Barb	1
7	63−9720	Hose	1
8	3290−378	Cable Tie	A/R
9	32149−2	Nut	2
10	63−8300	Element − Fuel Filter (Incl. Ref. #11)	1
11	63−8310	Drain Valve	1

Ref. No.	Part No.	Description	No. Used
12	321−6	Screw − Cap, Hex. Hd.	2
13	53−8150	Pump Assy. Fuel, Electric (Incl. Ref. #14−17)	1
14	43−2570	Gasket	1
15	43−2550	Filter	1
16	43−2560	Gasket	1
17	43−2580	Magnet	1
18	353−702	Hose Barb	1
19	304−73	Hose Barb	1
20	63−9650	Hose	1
21	3255−7	Washer − Lock, Ext. Tooth	2
22	32149−2	Nut	2



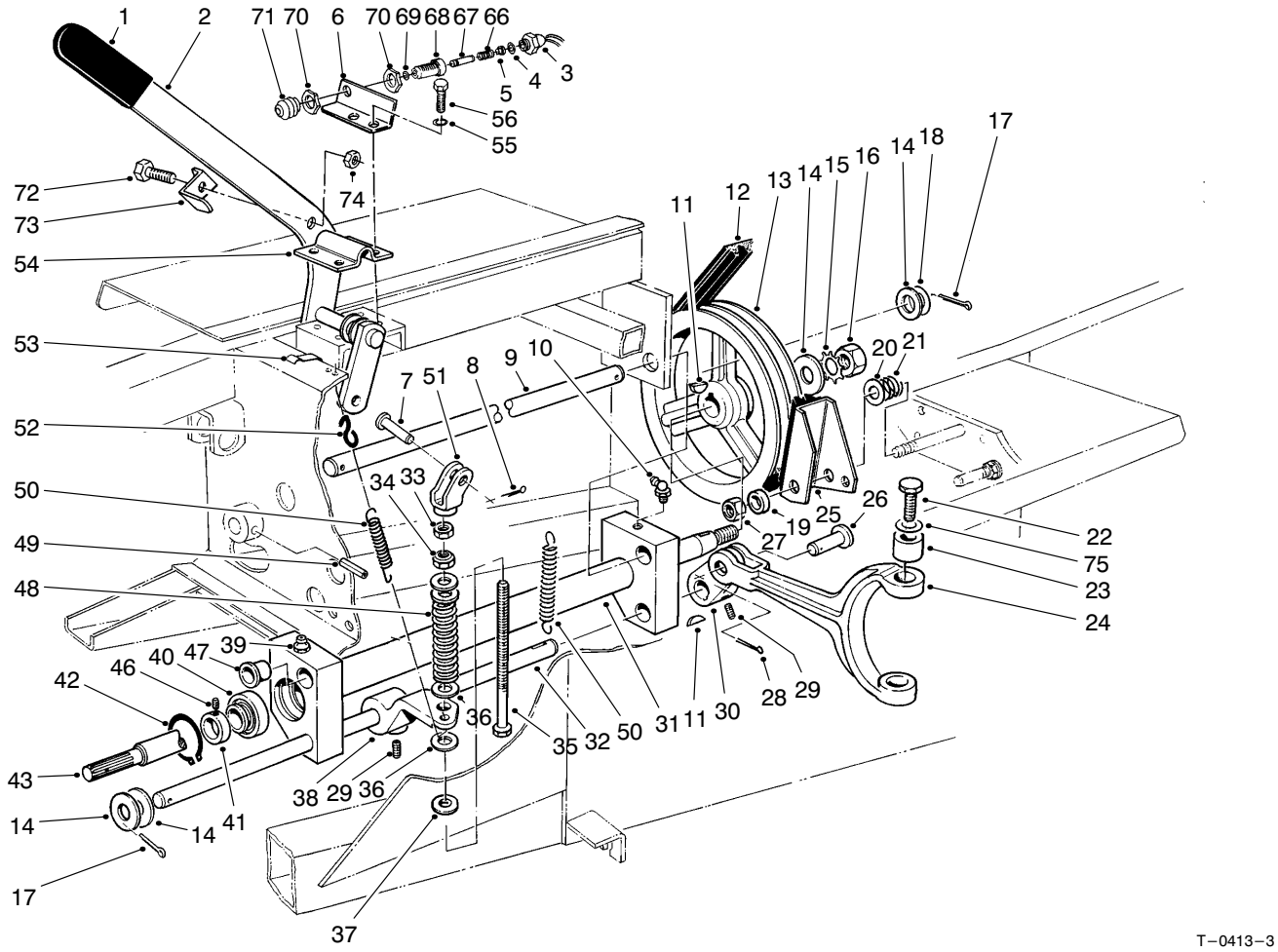
T−0412−2

INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74−0720	Tube − Manual	1
3	2412−133	R−Clamp	2
4	62−3010	Bracket, R.H.	1
5	43−3900	Guard − Fan Belt	1
6	3234−14	Screw − Cap, Hex. Hd.	5
9	3256−23	Washer − Flat	1
10	62−3020	Bracket, L.H.	1
11	3234−32	Screw − w/Locking Flange	2
12	67−8190	Bracket − Engine Support	2
13	3234−11	Screw w/Locking Flange	6
14	3290−357	Nut − Lock, Flange	6
16	3234−17	Screw − Cap, Hex. Hd.	4
17	27−9810	Seat Pivot	1
18	212−93	Wire Clip	2
20	72−4320	Switch − Ball	1
21	322−2	Screw − Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
22	3256−23	Washer − Flat	2
23	237−30	Seal − O−Ring	1
24	43−8610	Guide − Spring & Ball Seat	1
25	43−8600	Spring − Compression	1
26	43−8860	Plunger − Switch	1
27	43−8620	Guide − Switch Pin	1
28	237−7	Seal − O−Ring	1
29	218−461	Nut − Jam	1
30	43−8870	Boot − Switch	1
31	3−6657	Clip	2
32	86−7040	Rod − Seat Prop	1
33	32144−10	Screw − Hex. Hd. Self Tap	2
*	43−9071	Assembly − Switch (Incl. Ref. #20, 23−30: Qty. 1 of #29 Required)	1

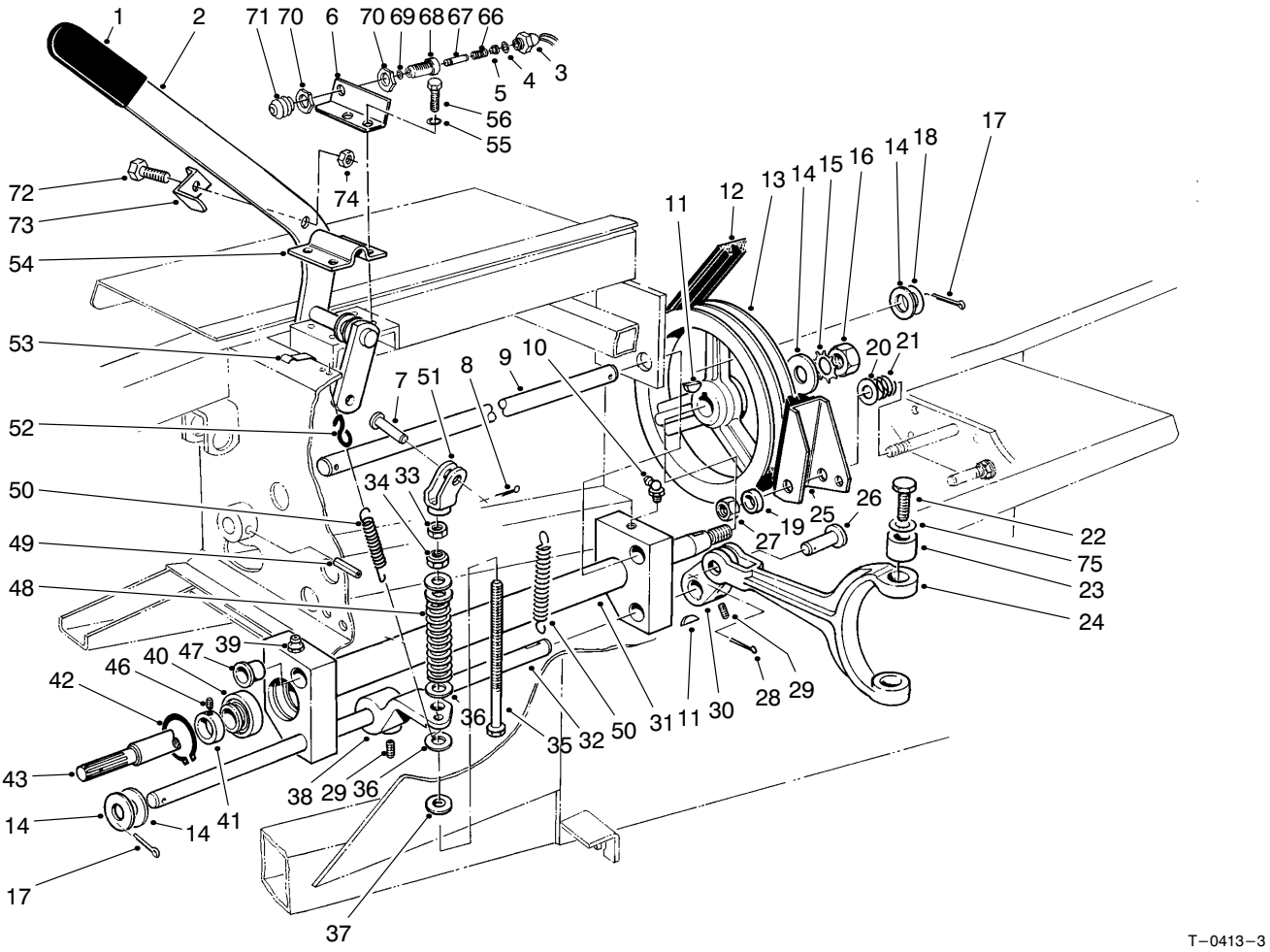
* Not Illustrated



POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21−1880	Grip Handle	1
2	84−8500	Lever − P.T.O.	1
3	72−4320	Switch − Ball	1
4	237−30	Seal − O−Ring	1
5	43−8610	Guide − Spring & Ball Seat	1
6	84−8520	Bracket − P.T.O. Switch	1
7	283−42	Clevis Pin	1
8	3272−6	Cotter Pin	1
9	43−3860	Shaft − Pivot P.T.O.	1
10	302−10	Fitting − Grease	1
11	3257−5	Key − Woodruff	3
12	53−9660	V−Belt Torque Team	1
13	21−0230	Pulley − P.T.O.	1
14	3256−28	Washer − Flat	4
15	3254−7	Washer − Lock	1
16	3219−7	Nut − Hex.	1
17	3272−22	Pin − Cotter	2
18	3−6498	Washer	A/R
19	3−8812	Spacer	1
20	3256−6	Washer − Flat	1
21	5−1747	Spring	1
22	92−5727	Screw − Cap, Hex. Hd.	2
23	92−5723	Bushing − P.T.O. Fork	2
24	92−4060	Fork P.T.O.	1
25	27−7370	Brake Assembly P.T.O.	1
26	93−3769	Clevis Pin	1

Ref. No.	Part No.	Description	No. Used
27	3296−28	Nut − Lock	1
28	3272−11	Pin − Cotter	1
29	3246−3	Screw − Set	4
30	92−4058	Arm − P.T.O.	1
31	43−5500	Pivot P.T.O.	1
32	43−5550	Shaft − P.T.O. Actuator	1
33	3219−3	Nut	1
34	3296−6	Nut − Lock	1
35	27−7900	Screw − Adjusting	1
36	3256−41	Washer − Flat	4
37	5−0652	Spacer	1
38	43−5570	Arm − P.T.O. Actuator	1
39	302−2	Grease Fitting	1
40	251−252	Ball Bearing (Incl. Ref. #41)	2
41	251−234	Lock Collar (Incl. Ref. #46)	2
42	32120−22	Ring − Retaining	2
43	43−5540	Shaft − P.T.O.	1
44	62−4260	Drive Shaft Assembly	1
46	3245−1	Screw − Set	2
47	256−113	Bushing	4
48	21−0400	Spring − Compression	1
49	32121−9	Pin − Roll	1
50	21−1830	Spring − Tension	2
51	43−5630	Yoke − P.T.O.	1



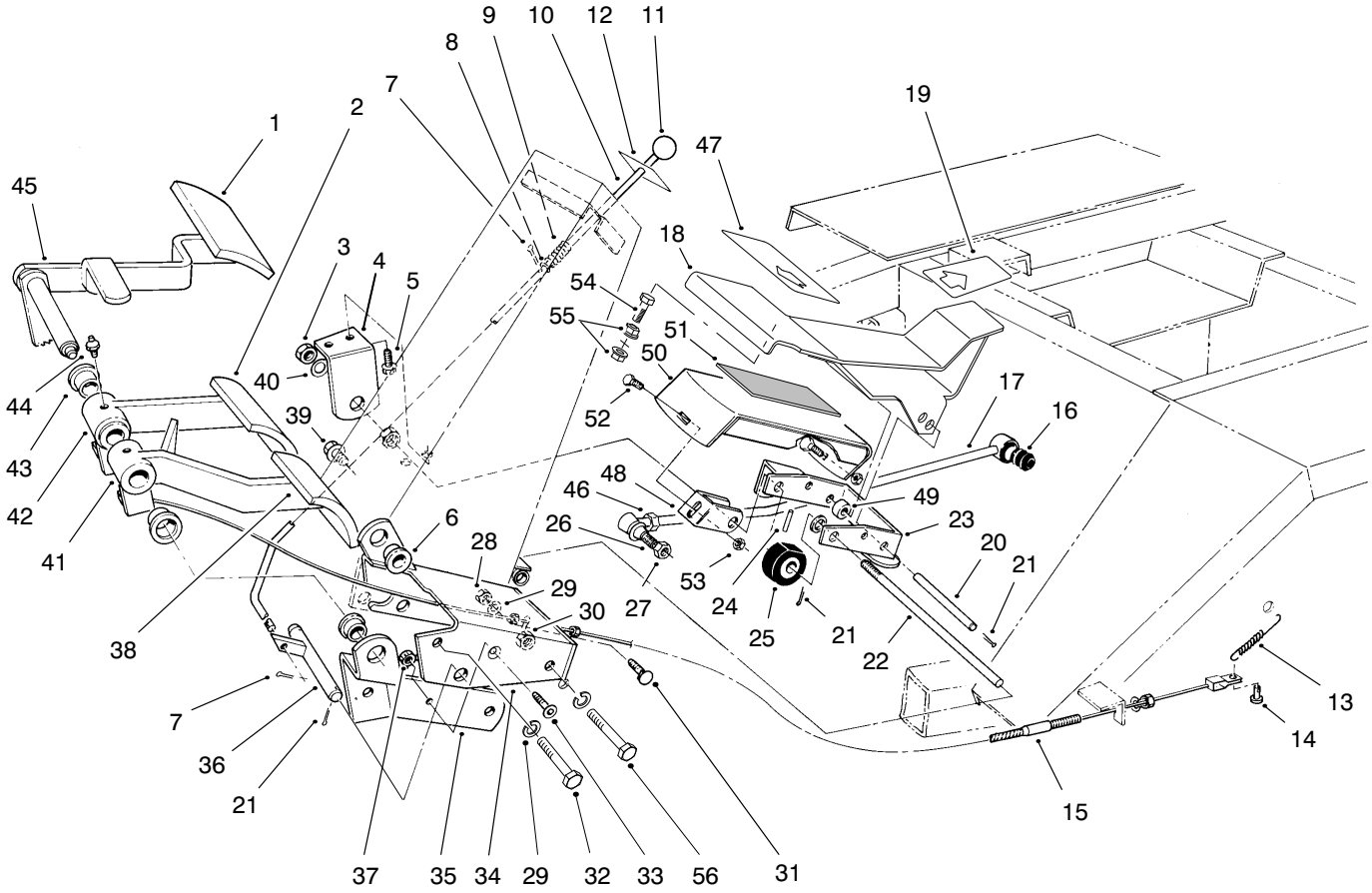
T−0413−3

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	5−0701	Spring Anchor	1
53	212−93	Wire Clip	1
54	21−1600	Clamp P.T.O. Lever	1
55	3253−21	Washer − Lock	4
56	32104−6	Screw − Hex. Hd. Tapping	4
66	43−8600	Spring − Compression	1
67	43−8860	Plunger − Switch	1
68	43−8620	Guide − Switch Pin	1
69	237−7	Seal − O−Ring	1

Ref. No.	Part No.	Description	No. Used
70	218−461	Nut − Jam	2
71	43−8870	Boot − Switch	1
72	321−4	Screw − Cap Hex. Hd.	1
73	86−7050	Bracket − Switch Actuator	1
74	3296−16	Nut − Lock	1
75	75−9890	Washer − Shim	A/R
*	43−9071	Assembly − Switch (Incl. Ref. #3−5, 66−71: Qty. 1 of #70 Required)	1

* Not Illustrated



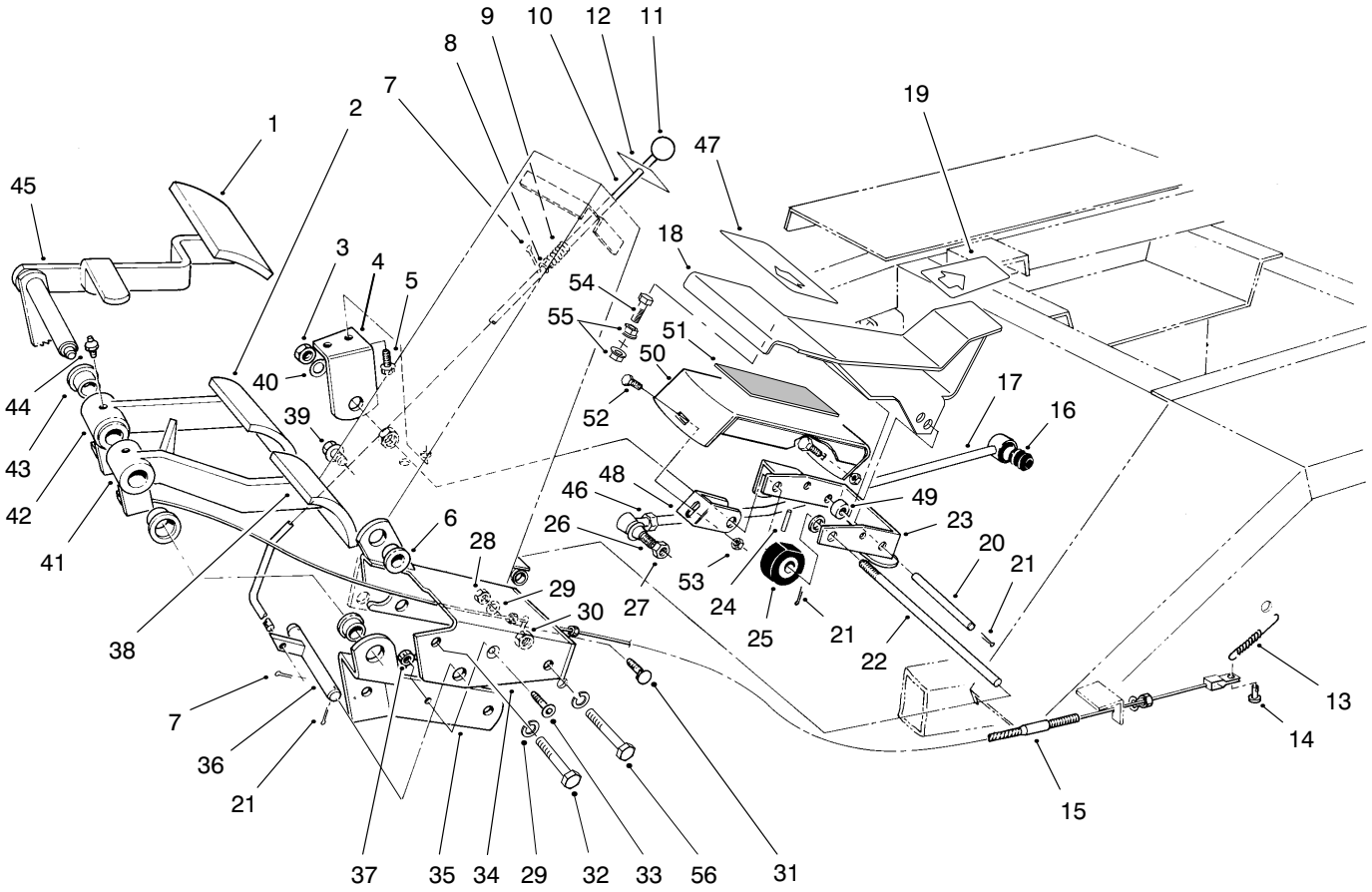
T−0415−4

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7−3900	Pad − Brake	1
2	27−7580	Pad − Right Turn	1
3	3218−5	Nut − Jam	2
4	21−2850	Mount − R.H. Pedal	1
5	11−0590	Screw − Hex. Hd. Tapping	2
6	256−156	Bushing	5
7	3272−5	Pin − Cotter	3
8	3256−22	Washer − Flat	1
9	95−1821	Spring − Compression	1
10	82−8670	Rod − Brake Latch	1
11	233−17	Knob	1
12	82−8930	Decal − Parking Brake	1
13	3−7243	Spring − Extension	2
14	283−58	Pin − Clevis	2
15	21−3380	Cable − L.H. Brake	1
*	21−3370	Cable − R.H. Brake	1
16	23−2270	Bushing − Rubber	1
17	23−2240	Rod − Pump Control	1
18	94−3304	Pedal − Traction	1
19	94−3308	Pad − Rear Pedal	1
20	88−1640	Pin − Traction Pedal	1
21	3272−6	Pin − Cotter	6
22	88−1650	Shaft − Traction Pedal	1
23	88−1670	Bracket − Pivot (Inc. Ref. #6)	1
24	32121−6	Pin − Roll	1

Ref. No.	Part No.	Description	No. Used
25	28−5220	Wheel − Friction	1
26	21−0141	Socket Assembly R.H.	1
27	3220−3	Nut − Jam	1
28	3217−7	Nut − Hex	2
29	3253−21	Washer − Lock	4
30	32153−2	Nut − Lock	2
31	3231−21	Bolt − Carriage	2
32	323−13	Screw − Cap, Hex. Hd.	1
33	3274−47	Screw − Flat Hd. Socket	1
34	27−7590	Mount − Brake	1
35	27−9270	Mount − Brake Pivot Shaft	1
36	27−7640	Shaft − Brake Latch	1
37	32149−2	Nut	1
38	27−7570	Pad − Left Turn	1
39	3234−11	Screw − Cap, Hex. Hd .	3
40	3256−26	Washer − Flat	1
41	27−7490	Pedal − L.H. Brake (Incl. Ref. #43)	1
42	27−7510	Pedal − R.H. Brake (Incl. Ref. #43)	1
43	256−10	Bushing	4
44	302−5	Fitting − Grease	2
45	27−8550	Pedal − Parking Bake	1
46	3220−5	Nut − Jam	1
47	94−3307	Pad − Front Pedal	1
48	88−1680	Bracket − Footrest	1

* Not Illustrated



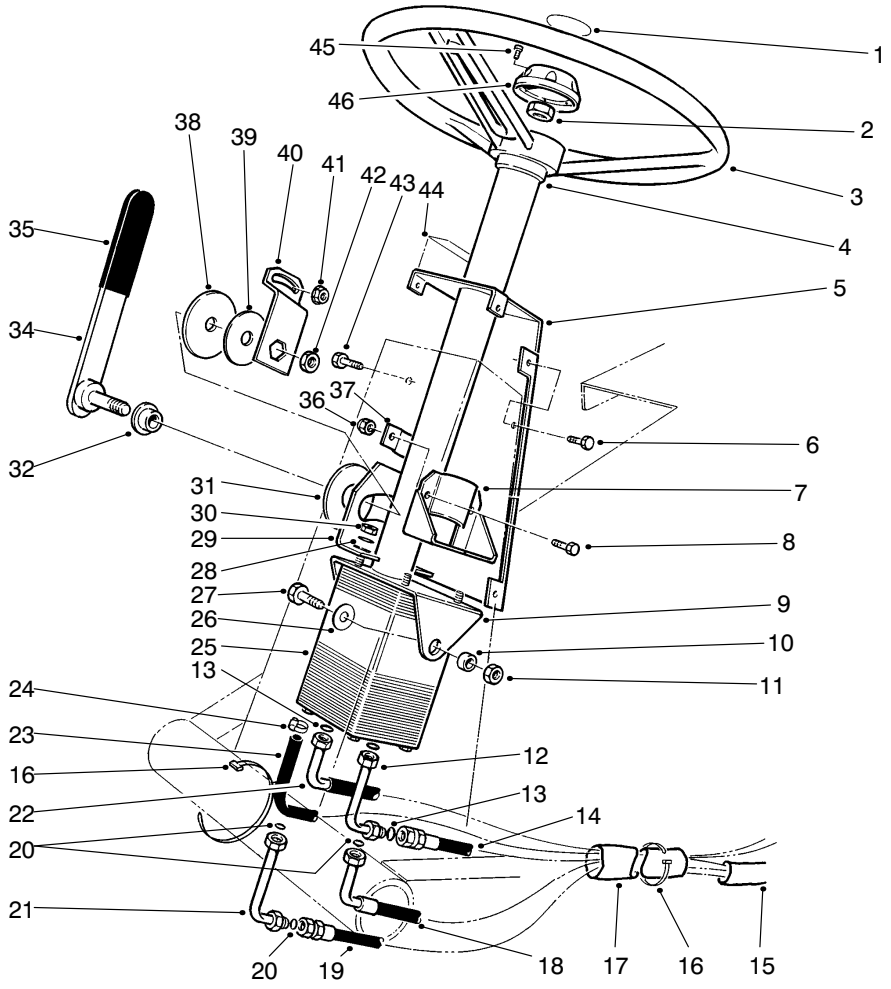
T−0415−4

BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	88−0470	Tube − Pedal Spacer	1
50	88−1710	Footrest	1
51	88−1720	Pad − Footrest	1
52	3230−1	Bolt − Carriage	2

Ref. No.	Part No.	Description	No. Used
53	32128−25	Nut − Flange Lock	2
54	323−42	Screw − Cap, Hex. Hd.	1
55	32128−43	Nut − Hex. Flange	2
56	323−14	Screw − Cap, Hex. Hd.	1

* Not Illustrated

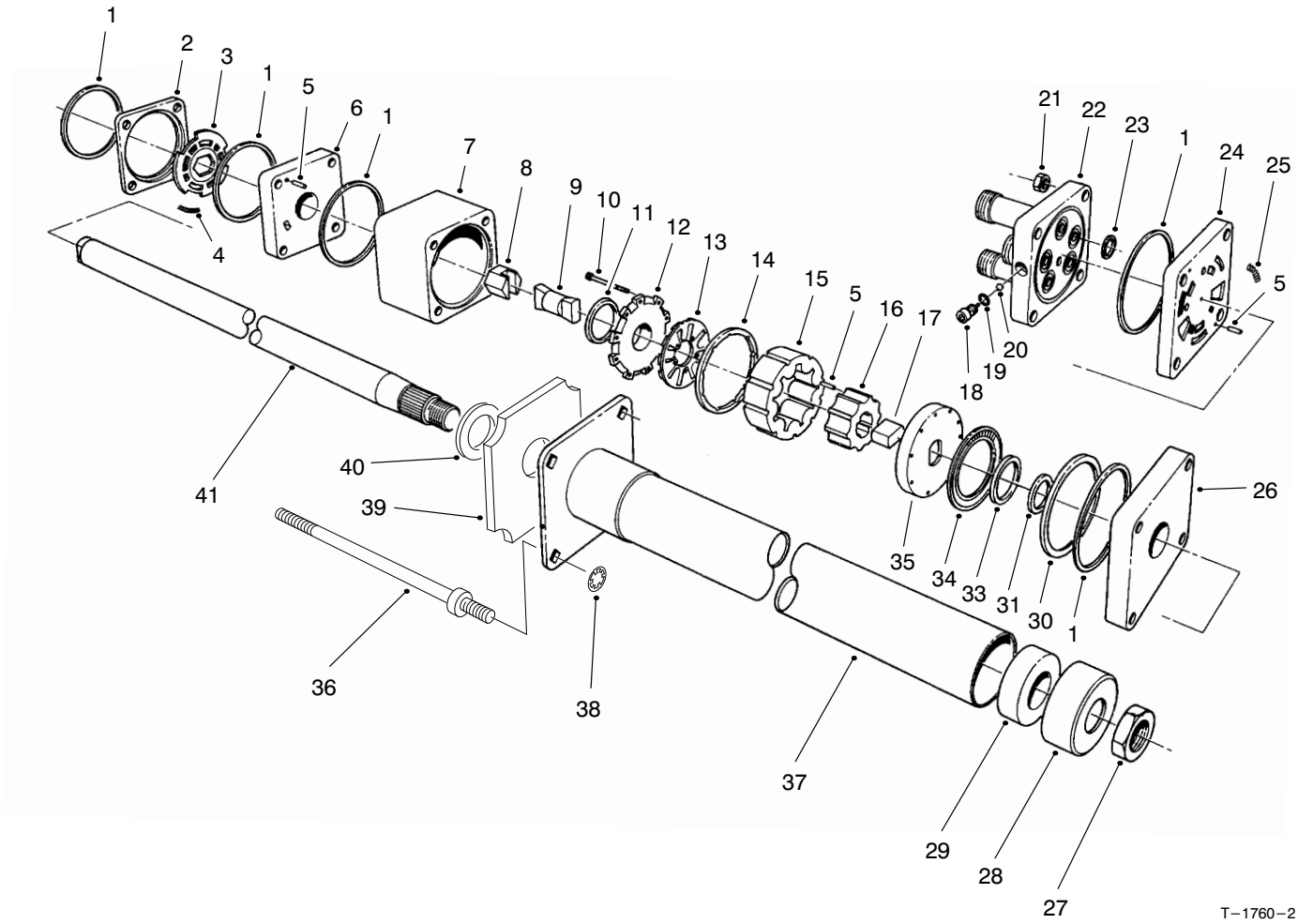


T−1187−3

POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68−5370	Decal − Toro	1
2	66−9760	Nut − Hex.	1
3	75−0560	Wheel − Steering (Incl. Ref. #45−46)	1
4	21−9260	Cover − Dust	1
5	82−8660	Cover − Tower	1
6	32144−10	Screw − Hex. Hd. Self Tap	6
7	67−8690	Support − Column	1
8	3234−17	Screw − Cap, Hex. Hd.	2
9	77−3120	Bracket − Mount, Column	1
10	80−2960	Spacer − Tower	2
11	32153−2	Nut − Hex.	2
12	82−8760	Elbow	1
13	237−30	O−Ring	3
14	63−8970	Hose − Trans. to Steering	1
15	70−1390	Sleeve − Protective	1
16	3290−379	Tie − Cable	3
17	70−1380	Sleeve − Protective	1
18	68−9730	Hose − Steering to Cylinder	1
19	68−9720	Hose − Cylinder to Steering	1
20	237−22	O−Ring	3
21	82−8770	Elbow	1
22	63−8980	Hose − Aux. to Valve	1

Ref. No.	Part No.	Description	No. Used
23	63−8990	Hose	1
24	2412−36	Clamp	2
25	92−7308	Valve − Steering, Power	1
26	3256−46	Washer − Flat	2
27	323−6	Screw − Cap, Hex. Hd.	2
28	3256−3	Washer − Flat	4
29	80−2940	Plate − Pivot	1
30	3296−20	Nut − Lock	4
31	31−0390	Disc − Friction	1
32	80−2980	Boss − Pin	1
34	93−1353	Lever − Steering, Tilt	1
35	21−1880	Grip − Handle	1
36	3296−29	Nut − Lock	2
37	82−8650	Clamp − Half	1
38	82−9010	Disc − Friction	1
39	80−2930	Washer	1
40	80−2880	Bracket − Steering, Tilt	1
41	32128−20	Nut − Flange	1
42	3218−7	Nut − Jam	1
43	322−4	Screw − Cap, Hex. Hd.	1
44	82−8940	Decal − Steering, Tilt	1
45	32144−21	Screw	1
46	68−5140	Cap − Wheel, Steering	1



T−1760−2

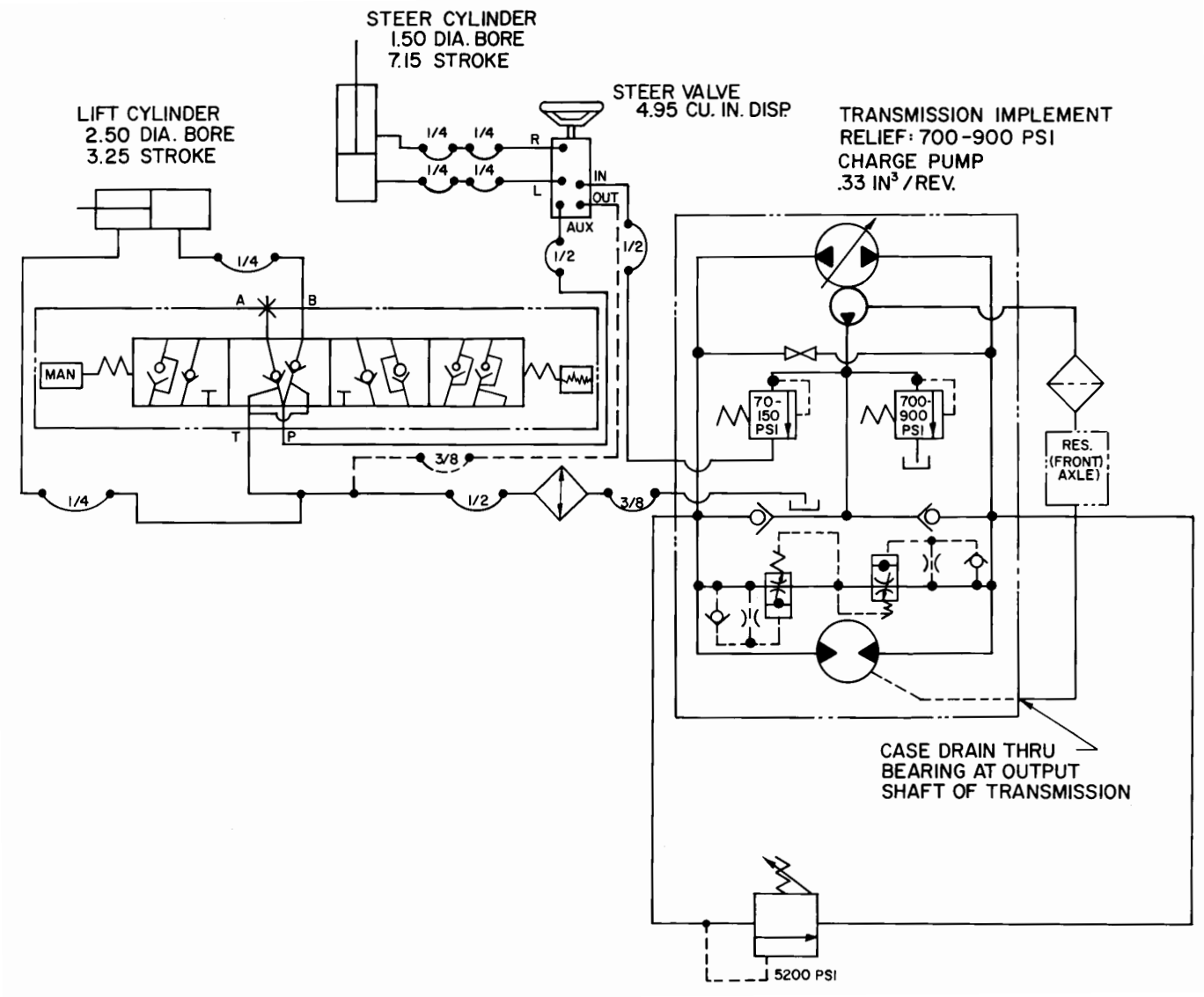
POWER STEERING VALVE ASSEMBLY NO. 92−7308

Ref. No.	Part No.	Description	No. Used
1		Ring − Seal	5
2		Ring − Valve	1
3		Plate − Valve	1
4		Spring	3
5		Pin − Alignment	9
6		Manifold − Isolation	1
7		Ring − Metering	1
8		Hex Drive Assy.	1
9		Link − Drive	1
10		Screw − Hex. Hd. Socket	11
11		Seal − Commutator	1
12		Cover − Commutator	1
13		Commutator	1
14		Ring − Commutator	1
15		Stator	1
16		Rotor	1
17		Spacer − Drive Link	1
18		Plug	1
19		O−Ring	1
20		Ball	1
21		Nut − Hex	4
22		Cover − Port	1
23		O−Ring	5
24		Manifold − Port	1
25		Spring	3

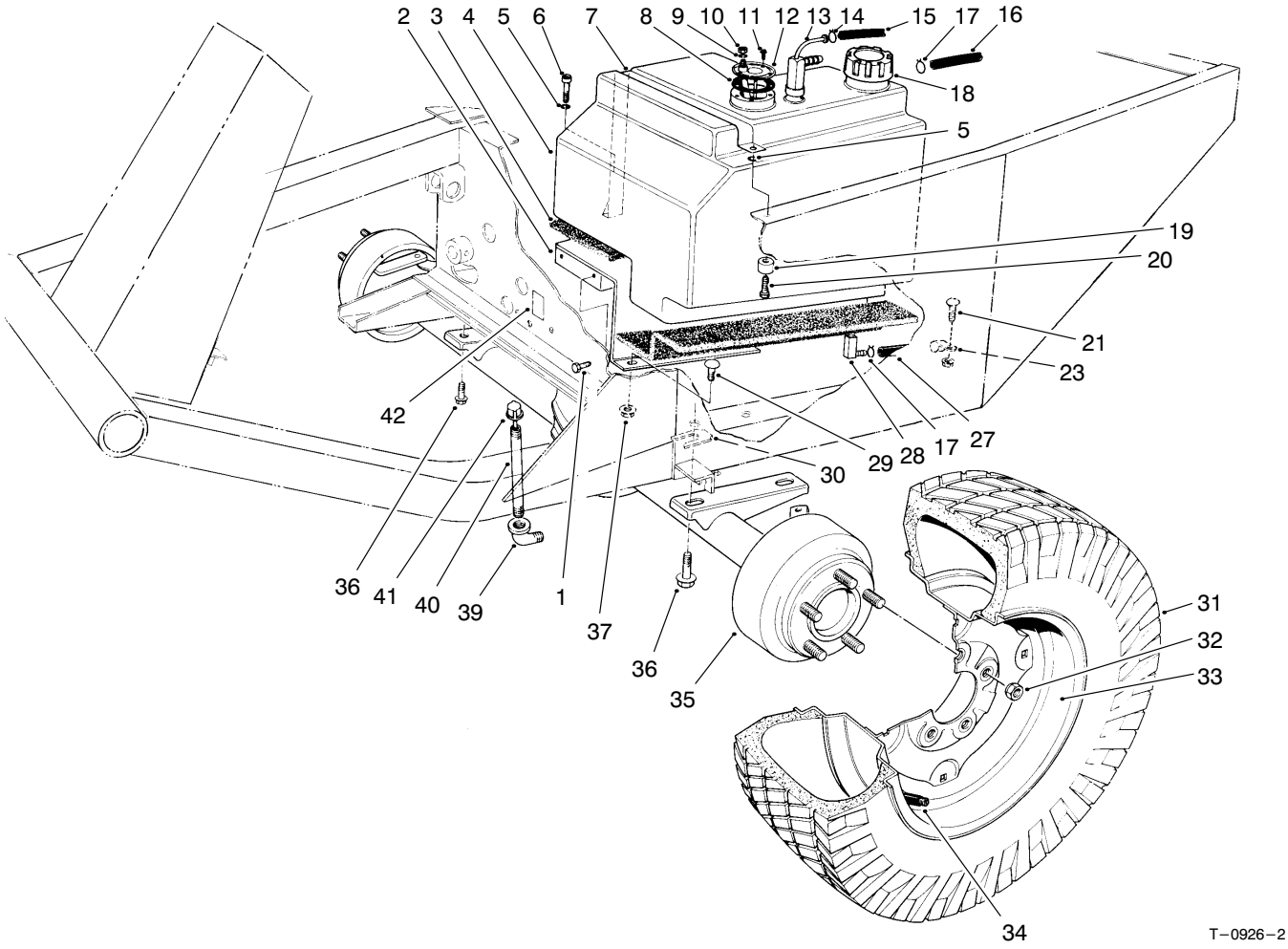
Ref. No.	Part No.	Description	No. Used
26		Plate − Upper Cover	1
27	3220−6	Nut	1
28	92−7315	Seal	1
29		Bearing	1
30		Spacer − Thrust Bearing	1
31		Spacer − Seal	1
33		Seal—Face	1
34		Bearing − Thrust	1
35		Plate − Drive	1
36	92−7310	Bolt − Special	4
37		Upper Cover & Jacket	1
38	92−7316	Nut − Push On	4
39	92−7317	Foam	1
40		Washer − Retaining	1
41		Shaft − Input	1
*	66−9970	Spring Kit (Incl. Ref. #4 & 25)	1
*	66−9980	Seal Kit (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66−9990	Needle Roller Kit (Incl. Ref. #5)	1
*	92−7314	Assembly − Column (Incl. Ref. #27−29 & 37−41)	1

* Not Illustrated

HYDRAULIC SCHEMATIC



T–0929–2

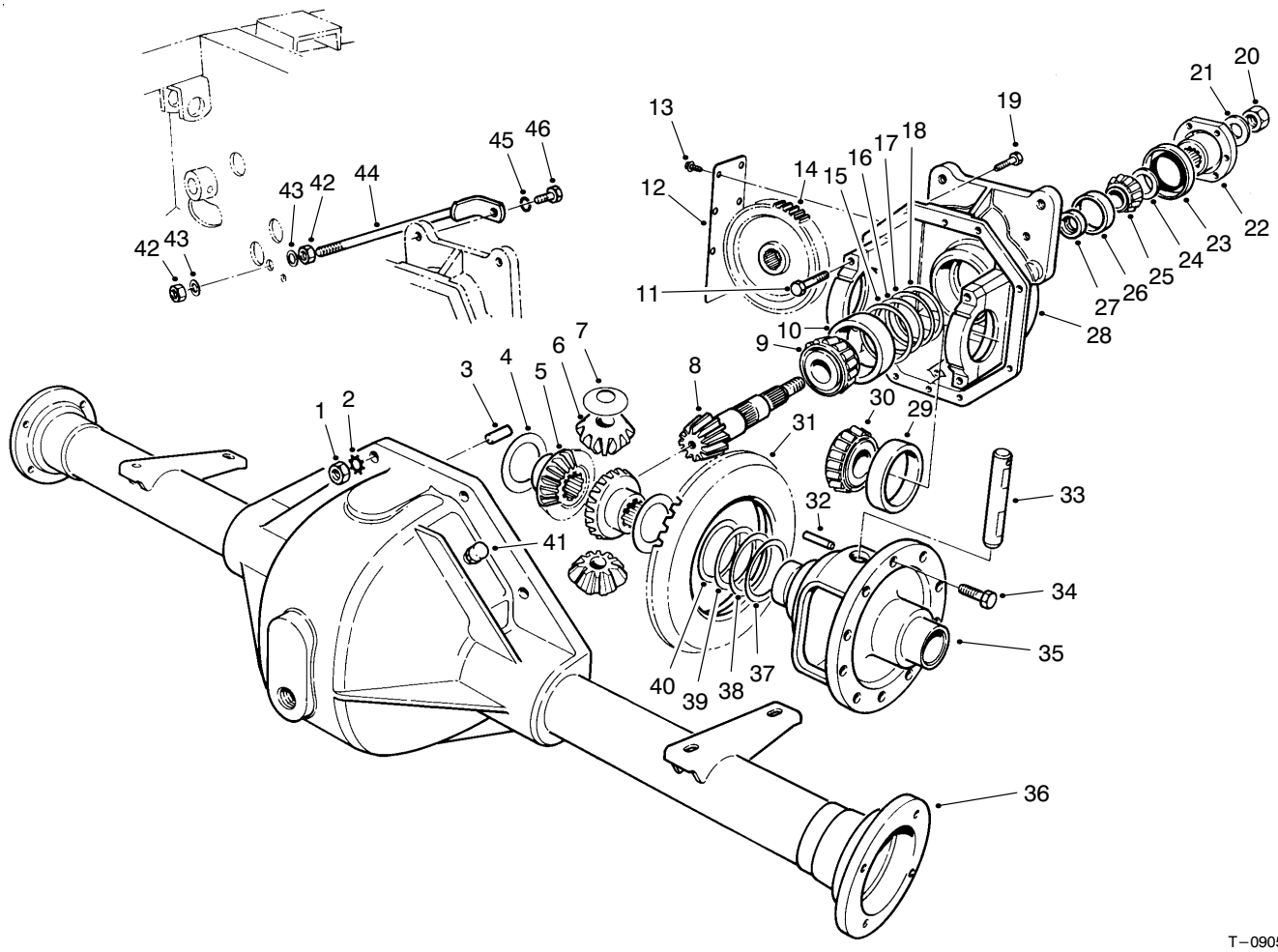


FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234−11	Screw − Flange Head	2
2	68−9760	Fuel Tank Base	1
3	21−3600	Foam − Tank Support	1
4	43−4150	Fuel Tank (Incl. Ref. #13 & 14)	1
5	3253−3	Washer − Lock	2
6	32104−96	Screw − Cap, Hex. Hd.	1
7	37−9550	Strap − Fuel Tank	1
8	62−7650	Gasket	1
9	3253−17	Washer − Lock	1
10	3219−14	Nut	1
11	32144−53	Screw − Thread Forming	5
12	62−6840	Sender − Fuel Level	1
13	43−4160	Fitting − Return & Vent	1
14	2412−79	Clamp	1
15	43−4230	Hose − Return	1
16	43−5690	Hose − Vent, Fuel Tank	1
17	2412−6	Clamp	2
18	55−3572	Fuel Cap	1
19	22−7810	Spacer	1
20	321−6	Screw − Cap, Hex. Hd.	1
21	21−3610	Foam − Tank Support	1
23	2412−4	Clamp	1
27	63−9640	Hose − Fuel	1

Ref. No.	Part No.	Description	No. Used
28	43−4190	Fitting Assembly	1
29	3230−2	Bolt − Carriage	3
30	42−6080	Shim − Axle	A/R
31	231−101	Tire	2
*	231−95	Tire − 23x10.5x12 (Optional)	2
32	23−7270	Nut − Wheel	10
33	217−117	Rim	2
*	217−116	Rim − 23x10.5x12 (Optional)	2
34	232−31	Valve Stem w/Cap	2
*	232−27	Valve Stem (For 23x10.5x12 Rim Opt.)	1
35	86−9630	Front Axle Assembly	1
36	32144−67	Screw − Cap, Self Tap	4
37	32128−20	Nut − Flange	3
39	2811−9	Street Elbow	1
40	289−37	Nipple − Pipe	1
41	23−5180	Dipstick	1
42	53−4430	Decal − Oil	1
*	231−90	Tube − Inner	2
*	62−7020	23x10.5x12 Tire Assembly (Optional)	2

* Not Illustrated



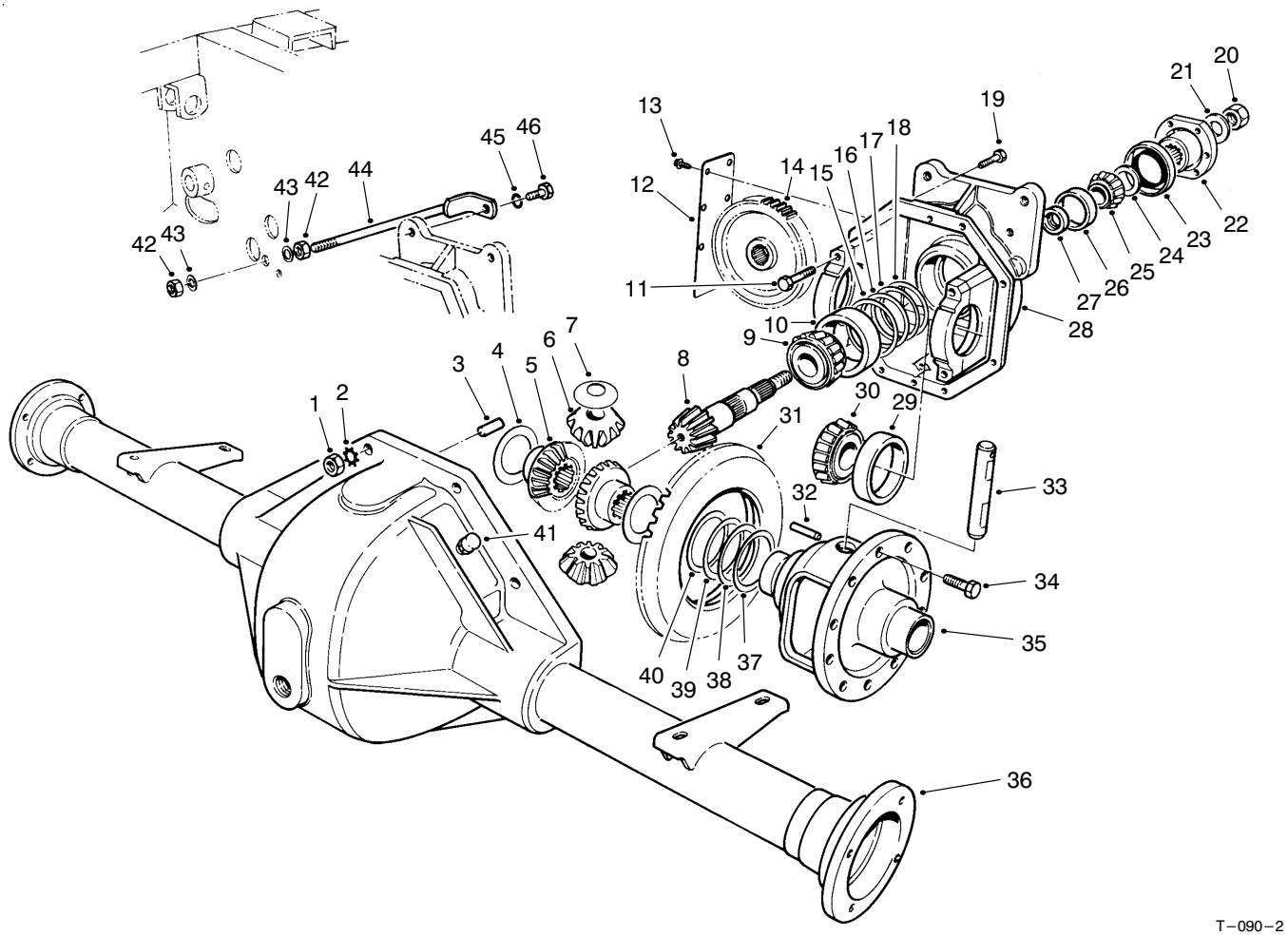
T−0905−2

FRONT AXLE ASSEMBLY NO. 86−9630

Ref. No.	Part No.	Description	No. Used
1	3219−2	Nut	8
2	3255−8	Washer − Lock	8
3	21−8270	Pin − Dowel	2
4	21−7720	Washer − Thrust	2
5	24−8790	Gear − Bevel, Diff. Side	2
6	21−7690	Gear − Pinion	2
7	21−7730	Washer − Thrust	2
8		Pinion − Drive	1
9	43−6760	Cone − Bearing, Tapered	1
10	43−6750	Cup − Bearing, Tapered	1
11	92−1773	Screw − Cap, Hex. Hd.	4
12	21−7830	Cover − Gear	1
13	12−5450	Screw − Thread Forming	8
14	86−7230	Gear − Spur	1
15	43−6710	Shim .003 − Diff. Adjust.	A/R
16	43−6711	Shim .005 − Diff. Adjust.	A/R
17	43−6712	Shim .010 − Diff. Adjust.	A/R
18	43−6713	Shim .030 − Diff. Adjust.	A/R
19	3210−7	Screw − Cap, Hex. Hd.	8
20	71−4350	Nut	1
21	71−4340	Washer	1
22	68−7010	Flange	1
23	71−4330	Seal	1
24	72−3570	Shim .094 − Diff. Adjust.	A/R
*	72−3571	Shim .096 − Diff. Adjust.	A/R
*	72−3572	Shim .098 − Diff. Adjust.	A/R

Ref. No.	Part No.	Description	No. Used
24	72−3573	Shim .100 − Diff. Adjust.	A/R
*	72−3574	Shim .102 − Diff. Adjust.	A/R
*	72−3575	Shim .104 − Diff. Adjust.	A/R
*	72−3576	Shim .106 − Diff. Adjust.	A/R
*	72−3577	Shim .108 − Diff. Adjust.	A/R
*	72−3578	Shim .110 − Diff. Adjust.	A/R
*	72−3580	Shim .112 − Diff. Adjust.	A/R
*	72−3581	Shim .114 − Diff. Adjust.	A/R
*	72−3582	Shim .116 − Diff. Adjust.	A/R
*	72−3583	Shim .118 − Diff. Adjust.	A/R
*	72−3584	Shim .120 − Diff. Adjust.	A/R
*	72−3585	Shim .125 − Diff. Adjust.	A/R
*	72−3586	Shim .127 − Diff. Adjust.	A/R
*	72−3587	Shim .129 − Diff. Adjust.	A/R
*	72−3588	Shim .131 − Diff. Adjust.	A/R
*	72−3590	Shim .133 − Diff. Adjust.	A/R
*	72−3591	Shim .135 − Diff. Adjust.	A/R
*	72−3592	Shim .137 − Diff. Adjust.	A/R
*	72−3593	Shim .139 − Diff. Adjust.	A/R
*	72−3594	Shim .141 − Diff. Adjust.	A/R
*	72−3595	Shim .143 − Diff. Adjust.	A/R
*	72−3596	Shim .145 − Diff. Adjust.	A/R
*	72−3597	Shim .147 − Diff. Adjust.	A/R
*	72−3598	Shim .149 − Diff. Adjust.	A/R
*	72−3600	Shim .151 − Diff. Adjust.	A/R
25	254−91	Cone − Bearing	1

* Not Illustrated



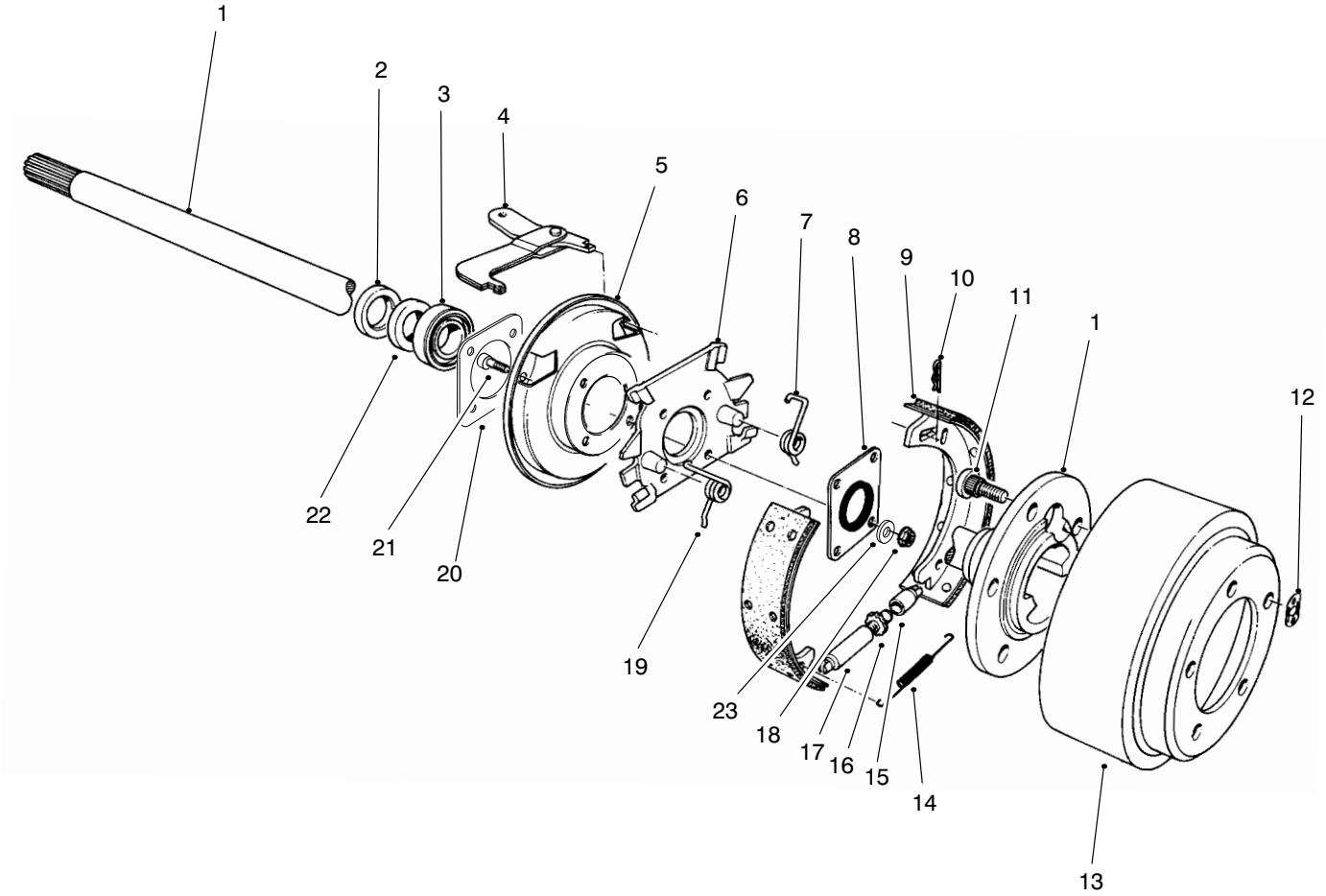
T−090−2

FRONT AXLE ASSEMBLY NO. 86−9630 (Continued)

Ref. No.	Part No.	Description	No. Used
26	254−90	Cup − Bearing	1
27	21−8020	Spacer − Bearing, Pinion Ft.	1
28	86−9610	Assembly − Carrier (Incl. Ref.#11)	1
29	254−66	Cup − Bearing, Tapered	2
30	254−65	Cone − Bearing, Tapered	2
31		Gear − Ring	1
32	32121−15	Pin − Roll	1
33	21−7700	Shaft − Pinion, Mate	1
34	21−7770	Screw − Gear, Drive	5
35	21−7670	Case − Differential	1
36	43−6840	Housing − Lower	1
37	21−8120	Shim .030 − Diff. Adjust.	A/R

Ref. No.	Part No.	Description	No. Used
38	21−8110	Shim .010 − Diff. Adjust.	A/R
39	21−8100	Shim .005 − Diff. Adjust.	A/R
40	21−8090	Shim .003 − Diff. Adjust.	A/R
41	72−9420	Vent Assembly	1
42	3217−9	Nut − Hex.	2
43	3256−6	Washer − Flat	2
44	24−9830	Support − Axle	1
45	3253−21	Washer − Lock	1
46	323−6	Screw − Cap Hex. Hd.	1
*	92−1676	Gear & Pinion Assembly (Incl. Ref. #8 & 31)	1
*	92−4902	Upper Housing Assy. 4WD (Incl. Ref. #4−35 & 37−40)	1

* Not Illustrated



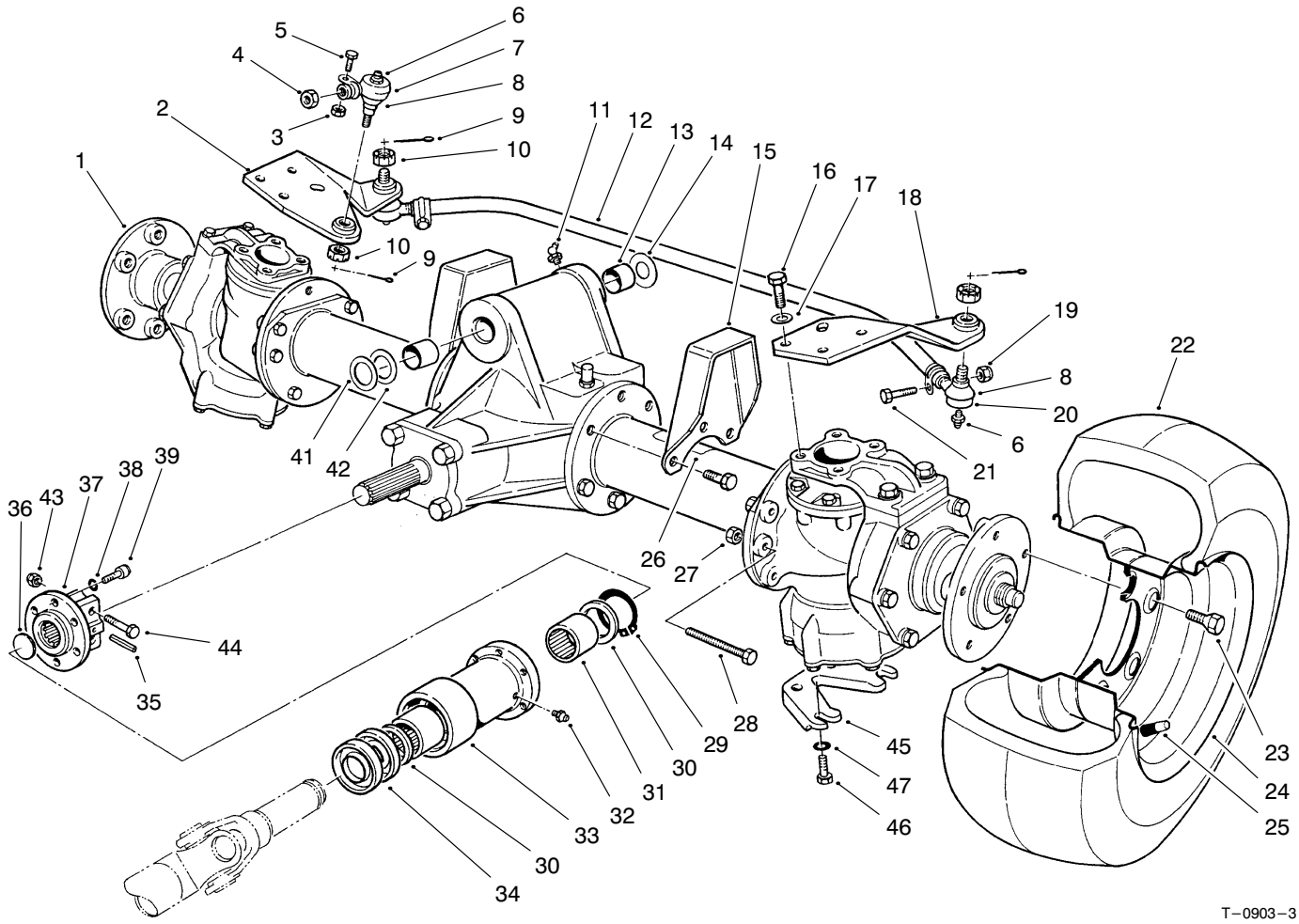
T−0421−5

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28−0650	Shaft − Flanged, Axle	2
2	92−1774	Seal − Oil	2
3	21−8180	Bearing	2
4	24−9180	Strut & Lever Parking Brake	2
5	21−9450	Dust Shield	2
6	43−6810	Torque − Spider	2
7	21−9430	Spring − Shoe Return R.H.	2
8	28−0670	Seal − Oil	2
9	84−8600	Shoe & Lining Assembly (Set of 4)	1
10	21−9460	Retainer − Brake Lever	4
11	242−34	Stud − Flanged, Axle	10
12	21−8360	Clip − Retaining	2

Ref. No.	Part No.	Description	No. Used
13	28−0680	Brake Drum	2
14	21−9440	Spring − Adjusting Screw	2
15	21−9390	Socket − Adjusting Screw	2
16	21−9370	Screw − Adjusting	2
17	21−9380	Nut − Pivot	2
18	94−6935	Nut − Lock	8
19	21−9420	Spring − Shoe Return L.H.	2
20	93−7416	Insert − Shield, Dust	2
21	94−6934	Screw − Cap, Hex. Hd.	8
22	24−8840	Ring − Wheel Bearing	2
23	94−6936	Washer	8
*	92−8775	Gasket − Kit Liquid	1

* Not Illustrated

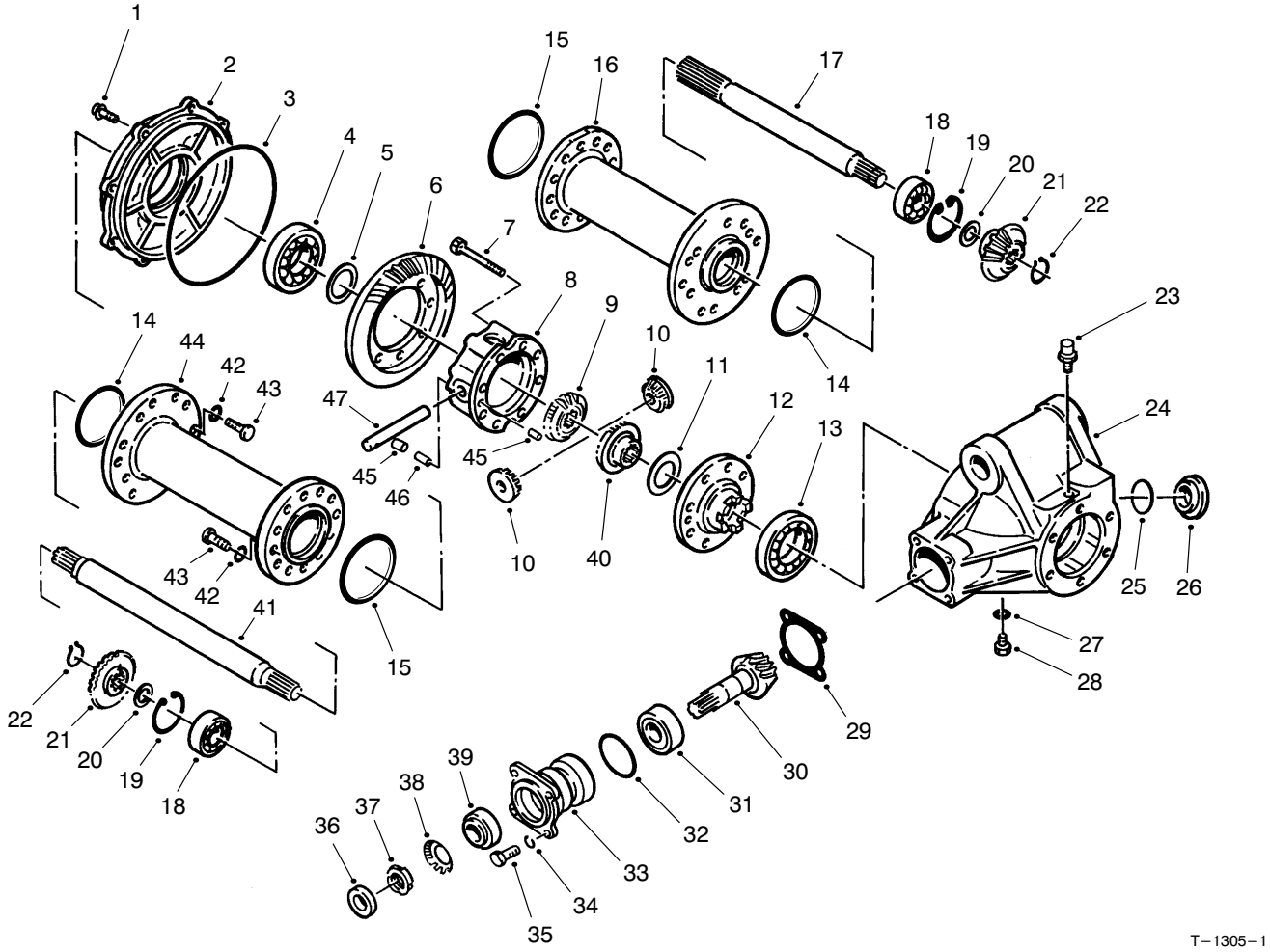


STEERABLE AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68−6824	Rear Axle Assembly	1
2	68−6910	Arm − R.H., Steering	1
3	3296−43	Nut − Lock	1
4	3220−5	Nut − Jam	1
5	3210−7	Screw − Cap, Hex. Hd.	1
6	302−55	Fitting − Grease	3
7	68−6870	Rod End (Incl. Ref.#3, 5, 6, 8 & 10)	1
8	71−4760	Seal − Rod	3
9	3272−11	Pin − Cotter	3
10	32136−13	Nut − Slotted	3
11	302−11	Fitting − Grease	1
12	71−4750	Tube & Clamp Assembly	1
*	71−4530	Tie Rod Assembly (Incl. Ref.#6, 8, 10, 12, & 19−21)	1
13	67−1750	Bushing	2
14	71−4540	Washer − Thrust	1
15	68−6990	Stop − Oscillation	2
16	48−7780	Screw − Cap, Hex. Hd.	8
17	48−9220	Washer − Flat	8
18	68−6930	Arm − L.H., Steering	1
19	3296−39	Nut − Lock	2
20	71−4740	Rod End (Incl. Ref. #6, 8 & 10)	2
21	323−9	Screw − Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
22	231−122	Tire	2
23	71−4450	Bolt − Wheel	10
24	217−106	Wheel	2
25	232−31	Stem − Valve	2
26	70−2560	Decal − Lube	1
27	48−7960	Nut	2
28	71−4690	Screw − Cap, Hex. Hd.	2
29	32151−87	Ring − Retaining	1
30	71−4590	Washer − Thrust	2
31	71−4580	Clutch − Roller	2
32	302−5	Fitting − Grease	1
33	71−4570	Housing − Clutch	1
34	253−155	Seal	2
35	32121−34	Pin − Roll	1
36	284−3	Plug − Welch	1
37	76−4690	Coupling − Axle	1
38	3253−3	Washer − Lock	6
39	3274−8	Screw − Cap, Hex. Hd.	6
41	56−2460	Washer − Flat	A/R
42	5−1226	Washer	A/R
43	3296−29	Nut − Lock	2
44	322−8	Screw − Cap, Hex. Hd.	2
45	93−1395	Plate − Skid	2
46	48−7730	Screw − HH	4
47	3256−23	Washer − Flat	4

* Not Illustrated



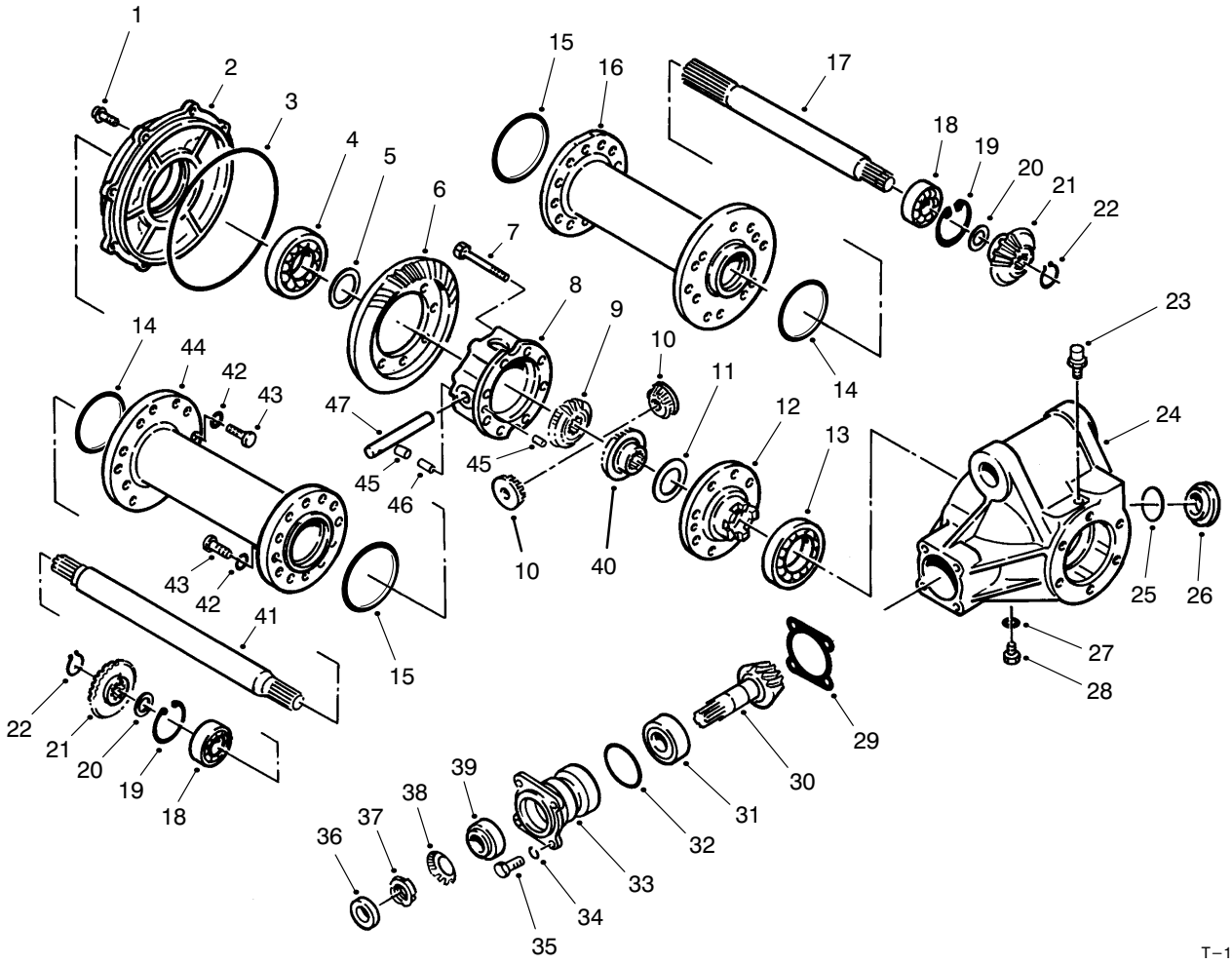
T−1305−1

REAR AXLE ASSEMBLY NO. 68−6824

Ref. No.	Part No.	Description	No. Used
1	72−5800	Bolt	8
2	72−4880	Cover	1
3	72−4890	O−Ring	1
4	251−344	Bearing − Ball	1
5	72−4960	Shim .1 mm	1
*	72−4970	Shim .15 mm	1
*	72−4980	Shim .5 mm	1
*	72−4990	Shim .8 mm	1
*	72−5000	Shim 1.0 mm	1
*	72−5010	Shim 1.2 mm	1
6		Gear − Bevel	1
7	72−5810	Bolt	8
8	72−4900	Case − Differential	1
9	72−4930	Gear − Side	1
10	72−4950	Gear − Pinion	2
11	72−5040	Washer − Gear	1
12	72−4910	Flange − Case	1
13	251−345	Bearing − Ball	1
14	93−3664	Seal − O−Ring	2
15	93−3665	Seal − O−Ring	2
16	72−5050	Tube − Axle RH	1
17	72−5060	Axle − RH	1
18	251−350	Bearing − Ball	2
19	72−5360	Ring − Retaining	2
20	72−5100	Spacer	2
21	72−5090	Gear − Bevel	2

Ref. No.	Part No.	Description	No. Used
22	72−5370	Ring − Retaining	2
23	72−5130	Vent	1
24	72−4870	Case − Differential	1
25	72−5140	O−Ring	1
26	72−5150	Plug	1
27	72−5840	Gasket	1
28	72−5820	Plug	1
29	72−5160	Shim .1mm	1
*	72−5170	Shim .15 mm	1
*	72−5180	Shim .5 mm	1
*	72−5190	Shim .8 mm	1
*	72−5200	Shim 1.0 mm	1
*	72−5210	Shim 1.2 mm	1
30		Gear − Pinion	1
31	254−108	Bearing − Tapered Roller	1
32	72−5460	O−Ring	1
33	83−5350	Case − Bearing	1
34	42−9850	Washer − Lock M8	8
35	48−9460	Bolt − Hex. Hd.	4
36	83−5360	Seal − Oil	1
37	83−5340	Nut − Bearing	1
38	83−5330	Washer − Bearing	1
39	254−109	Bearing − Tapered Roller	1
40	72−4940	Gear − Side	1
41	72−5120	Axle − LH	1
42	42−9600	Washer − Lock M10	24

* Not Illustrated



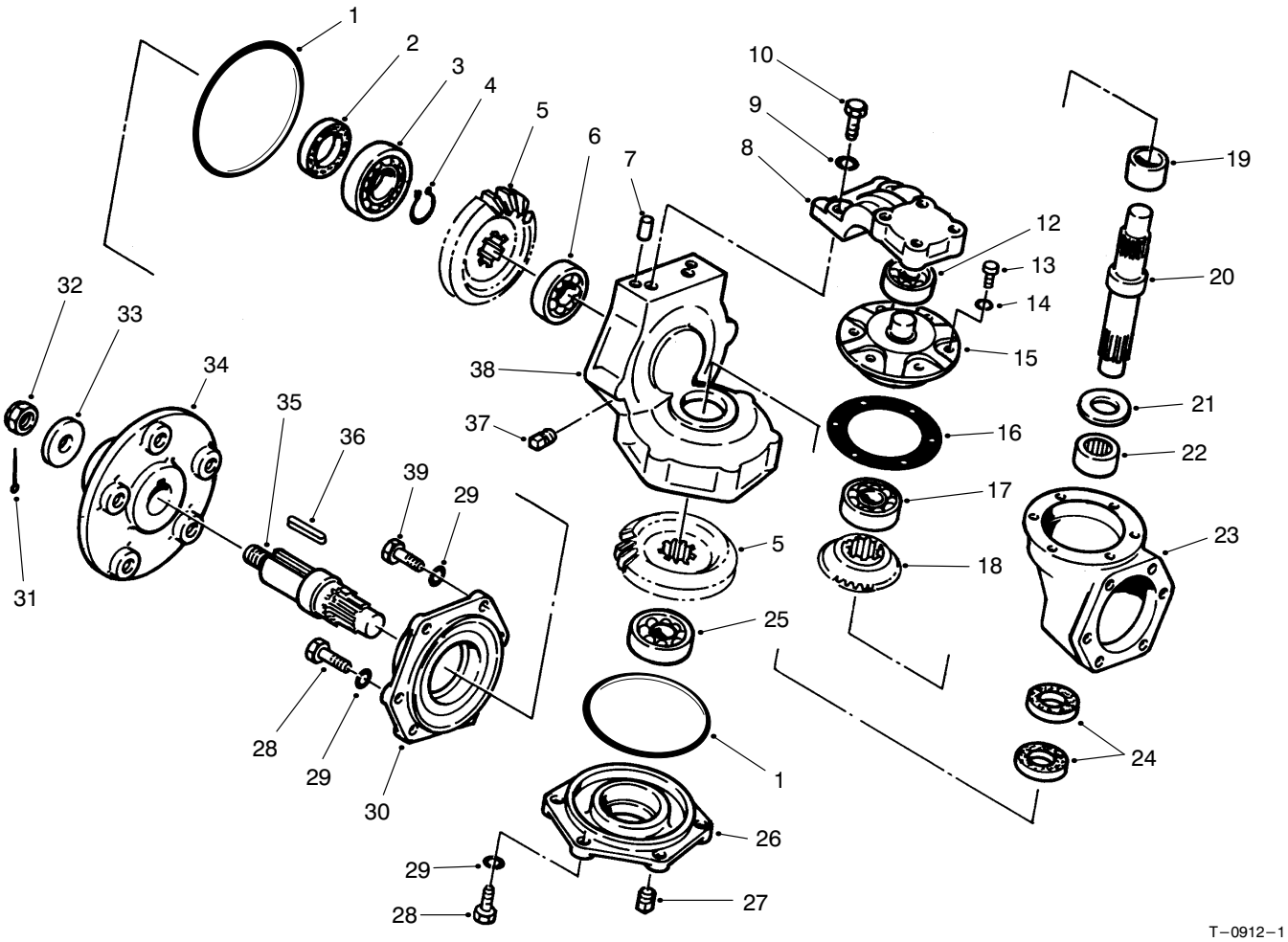
T−1305−1

REAR AXLE ASSEMBLY NO. 68−6824 (Continued)

Ref. No.	Part No.	Description	No. Used
43	48−9470	Bolt − M10 x 30	24
44	72−5110	Tube − Axle LH	1
45	72−5030	Pin − Dowel	2
46	72−5440	Pin −Spring	1

Ref. No.	Part No.	Description	No. Used
47	72−5020	Shaft − Pinion	1
*	83−5370	Ring & Pinion Assembly (Incl. Ref.#6 & 30)	1

* Not Illustrated

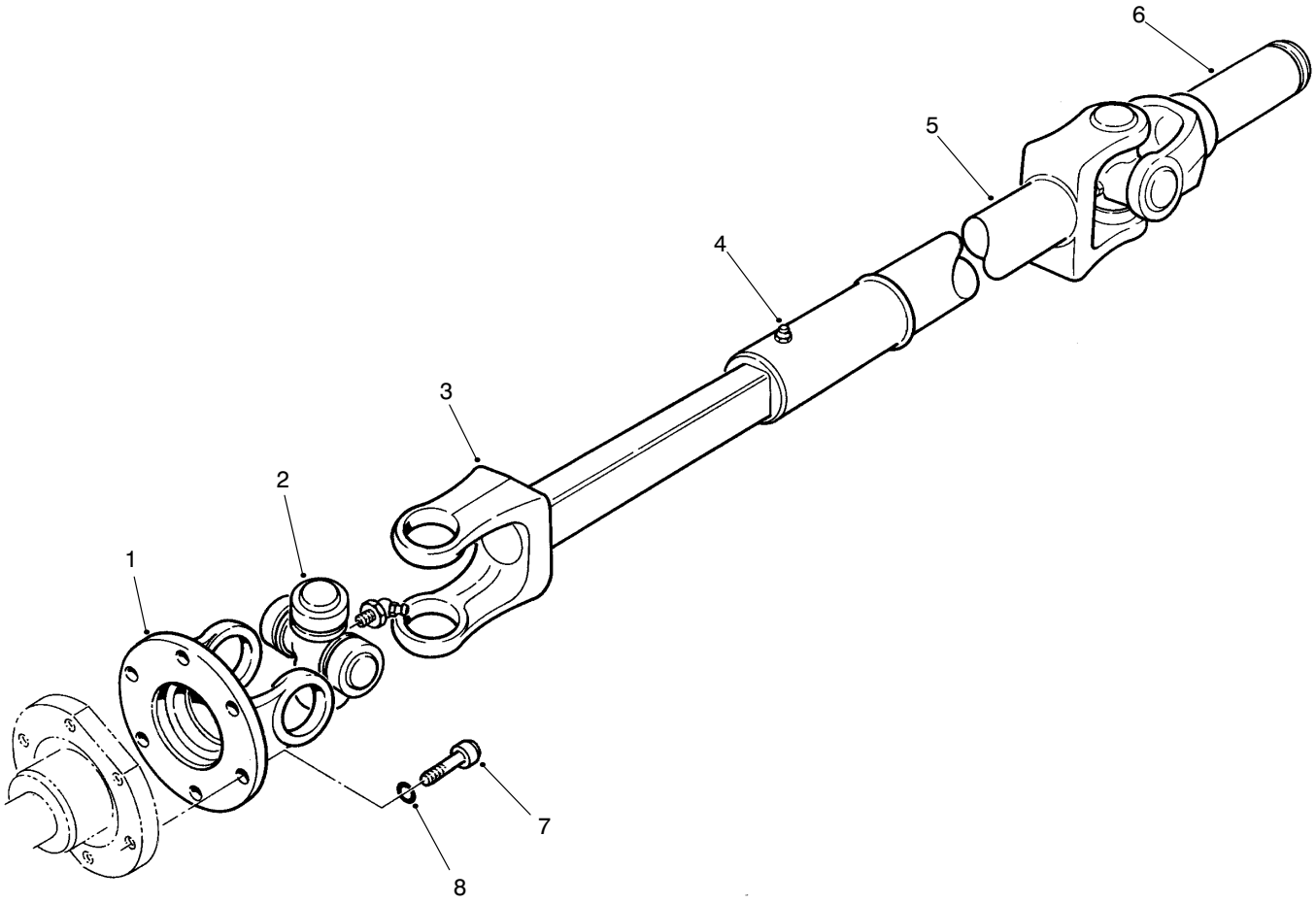


REAR AXLE ASSEMBLY NO. 68−6824 (Continued)

Ref. No.	Part No.	Description	No. Used
1	93−3670	Seal − O−Ring	4
2	72−5740	Seal − Oil	2
3	251−348	Bearing − Ball	2
4	72−5720	Ring − Retaining	2
5	72−5580	Gear − Bevel	4
6	251−8	Bearing − Ball	2
7	93−3671	Pin − Dowel	4
8	93−3672	Arm − Knuckle	2
9	42−9600	Washer − Lock	28
10	48−9470	Screw − Cap, M10 x 30	4
12	251−347	Bearing − Ball	2
13	72−5790	Screw − Cap, M6 x 18	12
14	43−5930	Washer − Lock	12
15	72−5590	Retainer − Bearing	2
16	72−5630	Gasket	2
17	251−349	Bearing − Ball	2
18	72−5090	Gear − Bevel	2
19	72−5680	Spacer	2
20	72−5560	Pin − King, Knuckle	2

Ref. No.	Part No.	Description	No. Used
21	93−3668	Washer − Thrust	2
22	93−3669	Bearing − Needle	2
23	93−3666	Gear Box − Axle	2
24	72−5730	Seal − Oil	4
25	251−263	Bearing − Ball	2
26	72−5550	Cover	2
27	281−10	Plug − Socket, Hex.	2
28	48−9460	Screw − Cap, M8 x 25	20
29	42−9850	Washer − Lock, M8	28
30	72−5540	Case − Knuckle	2
31	3272−17	Pin − Cotter	2
32	72−5770	Nut − Castle	2
33	72−5660	Washer − Shaft, Wheel	2
34	72−5650	Hub − Wheel	2
35	72−5570	Shaft − Axle, Outer	2
36	72−5780	Key	2
37	281−7	Plug − Pipe, Square Hd.	2
38	93−3667	Case − Knuckle	2
39	48−7710	Screw − Cap, M8 x 20	4

* Not Illustrated



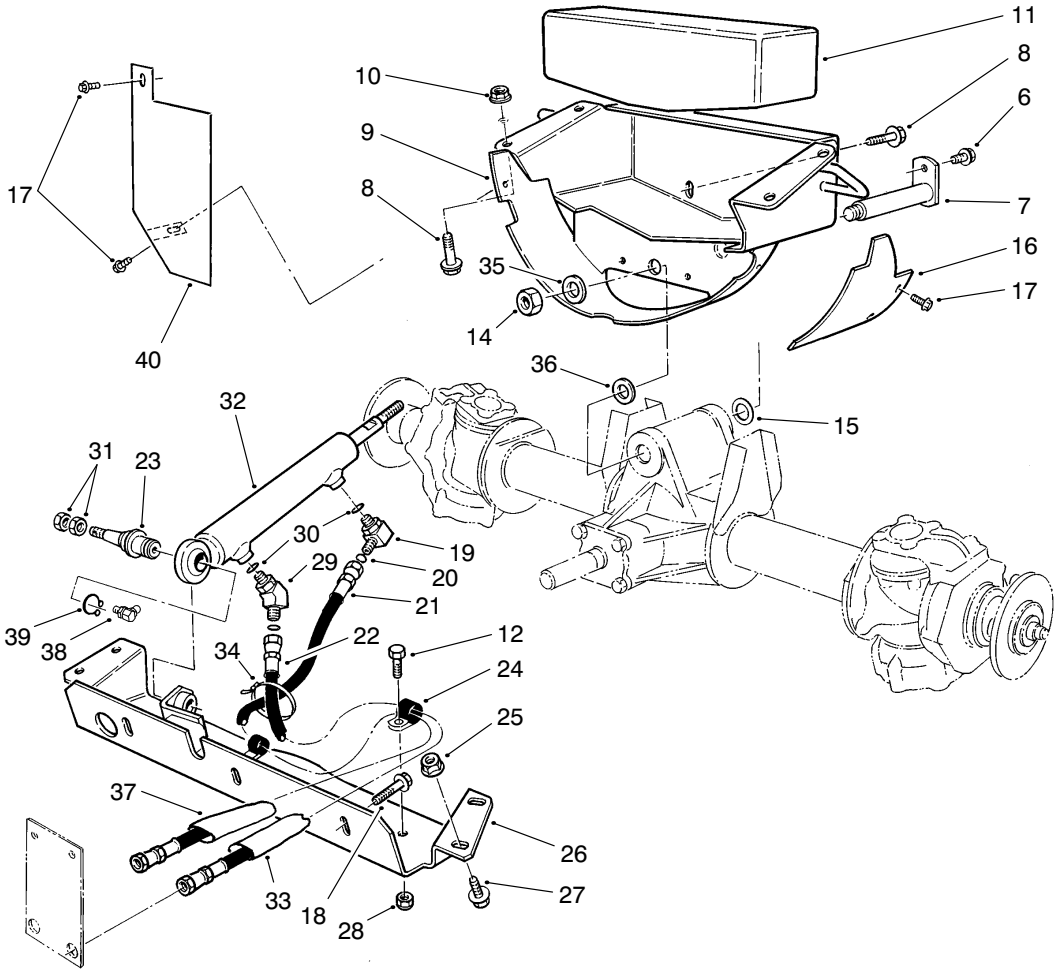
T−0906−1

DRIVE SHAFT ASSEMBLY NO. 71−4551

Ref. No.	Part No.	Description	No. Used
1	72−3410	Yoke − Flange	1
2	54−9180	Kit − Universal Joint	2
3	72−3420	Shaft − Yoke, Slip	1
4	302−58	Fitting − Grease	1
5	72−3431	Tube − Yoke, Slip	1

Ref. No.	Part No.	Description	No. Used
6	72−3440	Yoke − Shaft	1
7	3274−8	Screw − Cap, Soc. Hd.	6
8	3253−3	Washer − Lock	6
*	71−4551	Driveshaft (Complete)	1

* Not Illustrated



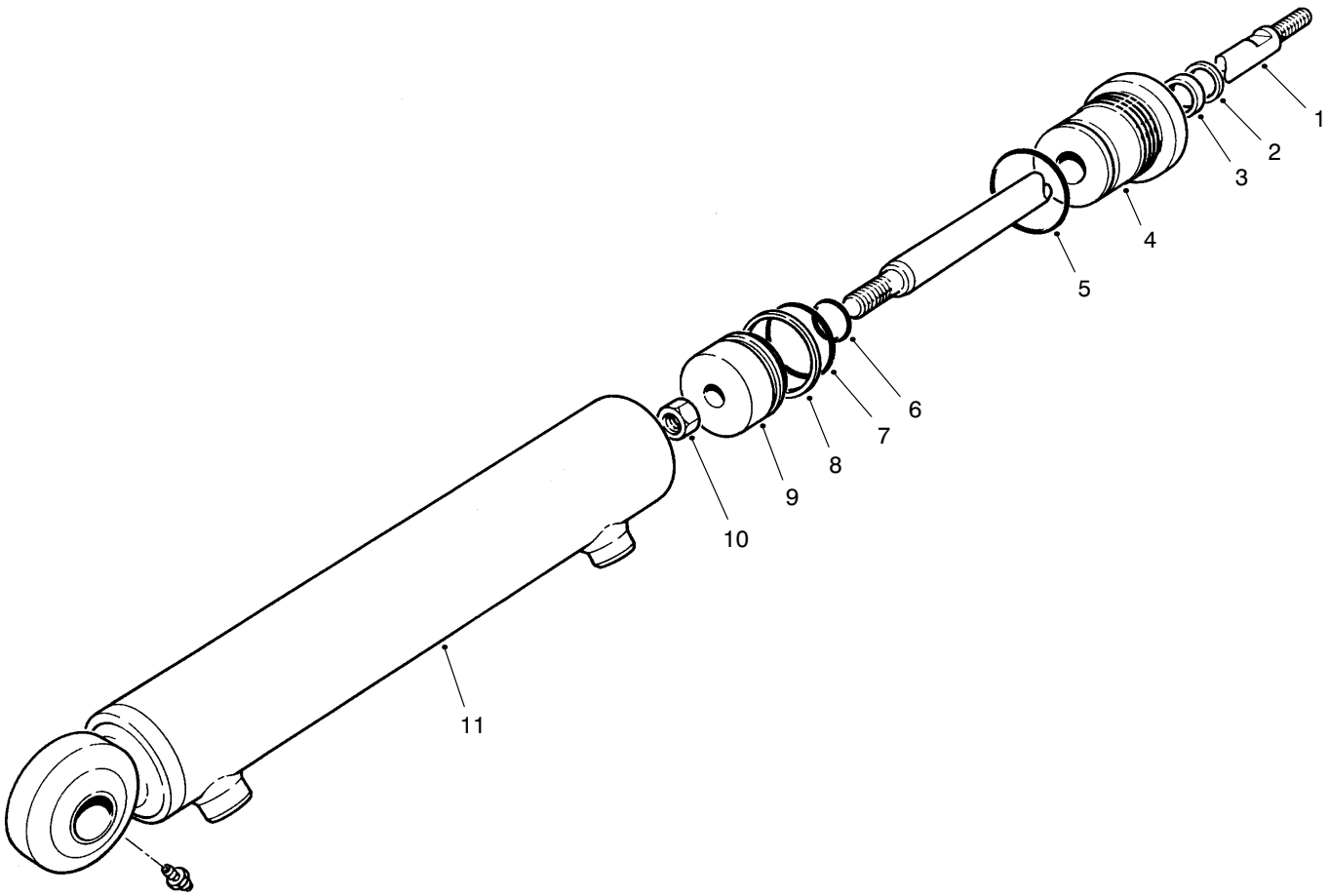
T−0908−2

AXLE SUPPORT & STEERING CROSS MEMBER

Ref. No.	Part No.	Description	No. Used
6	32144−14	Screw − Self Tapping	1
7	92−7807	Pin − Axle, Rear	1
8	3234−32	Screw − Flange, Hex. Hd.	6
9	92−7803	Support − Axle	1
10	32128−23	Nut − Lock, Flange	4
11	67−8960	Weight − Rear	1
12	322−5	Screw − Cap, Hex. Hd.	2
14	32146−20	Nut	1
15	71−4540	Washer − Thrust	2
16	93−7042	Cover − Guard, Flywheel	1
17	32144−10	Screw − Thread Forming	2
18	3234−24	Screw − Flange, Hex. Hd.	3
19	340−97	Elbow − Fitting	1
20	237−22	O−Ring	2
21	71−4430	Hose Assy. − Steering	1
22	68−9710	Hose Assy. − Steering	1
23	92−5838	Ball − Joint	1

Ref. No.	Part No.	Description	No. Used
24	2412−39	Clamp	2
25	32128−21	Nut − Flange	4
26	92−7810	Cross Member	1
†27	3234−25	Screw − Flange, Hex. Hd.	4
28	3296−20	Nut − Lock	2
29	340−54	Fitting	1
30	237−78	O−Ring	2
31	3220−6	Nut − Jam	2
32	92−7829	Cylinder − Hyd., Steering	1
33	92−7839	Sleeve − Protective, Short	1
34	3290−379	Tie − Cable	1
35	5−1226	Washer	A/R
36	56−2460	Washer − Flat	A/R
37	92−7840	Sleeve − Protective, Long	1
38	302−60	Fitting − Grease 90°	1
39	32151−104	Ring − Retaining	1

† Included in Ref. #3, Page 1



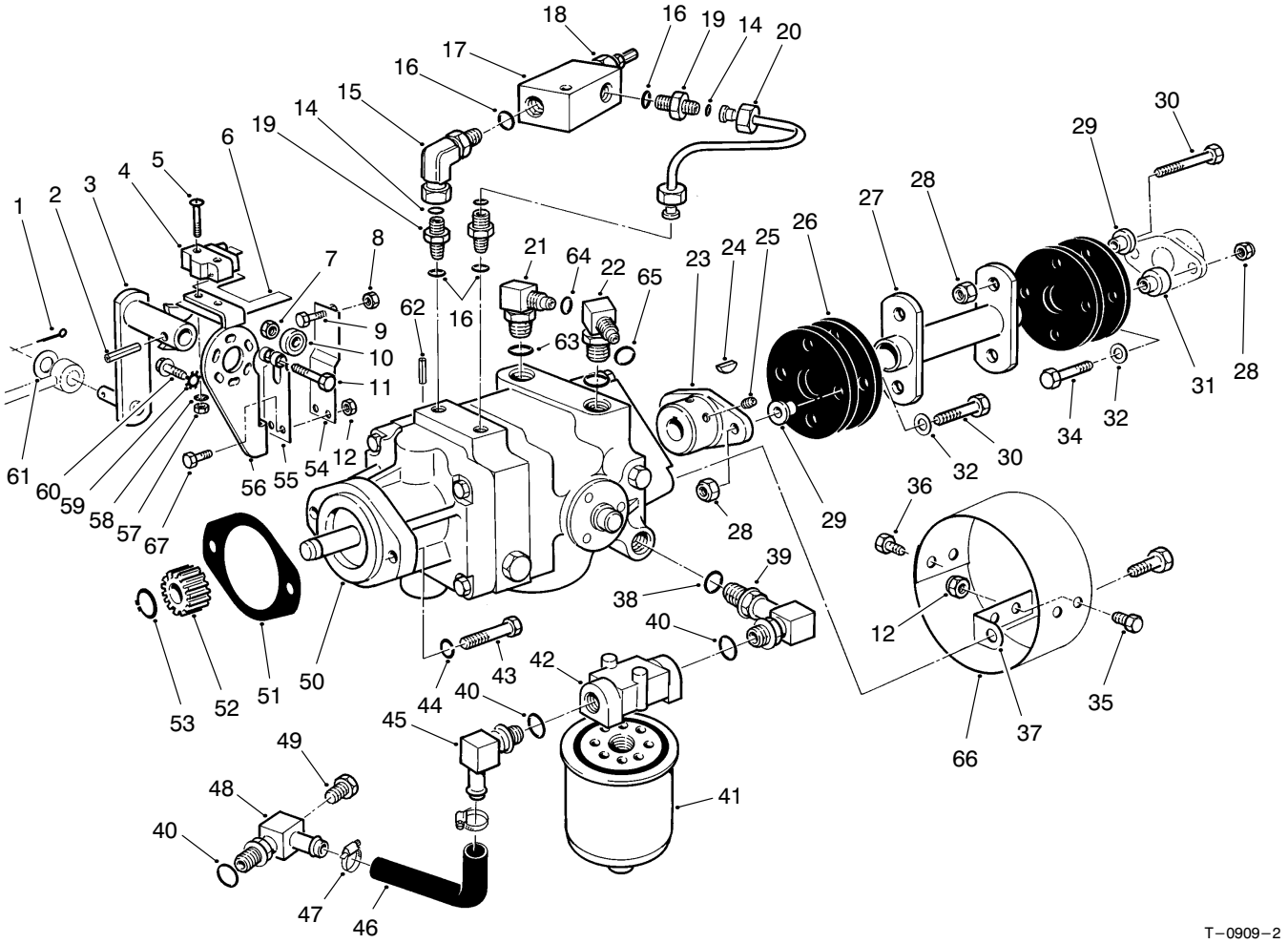
T−0904−1

STEERING CYLINDER PART NO. 92−7829

Ref. No.	Part No.	Description	No. Used
1	92−8942	Rod	1
2		Wiper	1
3		U−Cup	1
4	92−8944	Head − Internal	1
5		O−Ring	1
6		O−Ring	1
7		O−Ring	1
8		Ring − Piston	1

Ref. No.	Part No.	Description	No. Used
9	92−8943	Piston	1
10	66−1930	Nut	1
11	92−8941	Barrel Assembly	1
*	92−8945	Kit − Seal (Incl. Ref.#2, 3, & 5−8)	1

* Not Illustrated

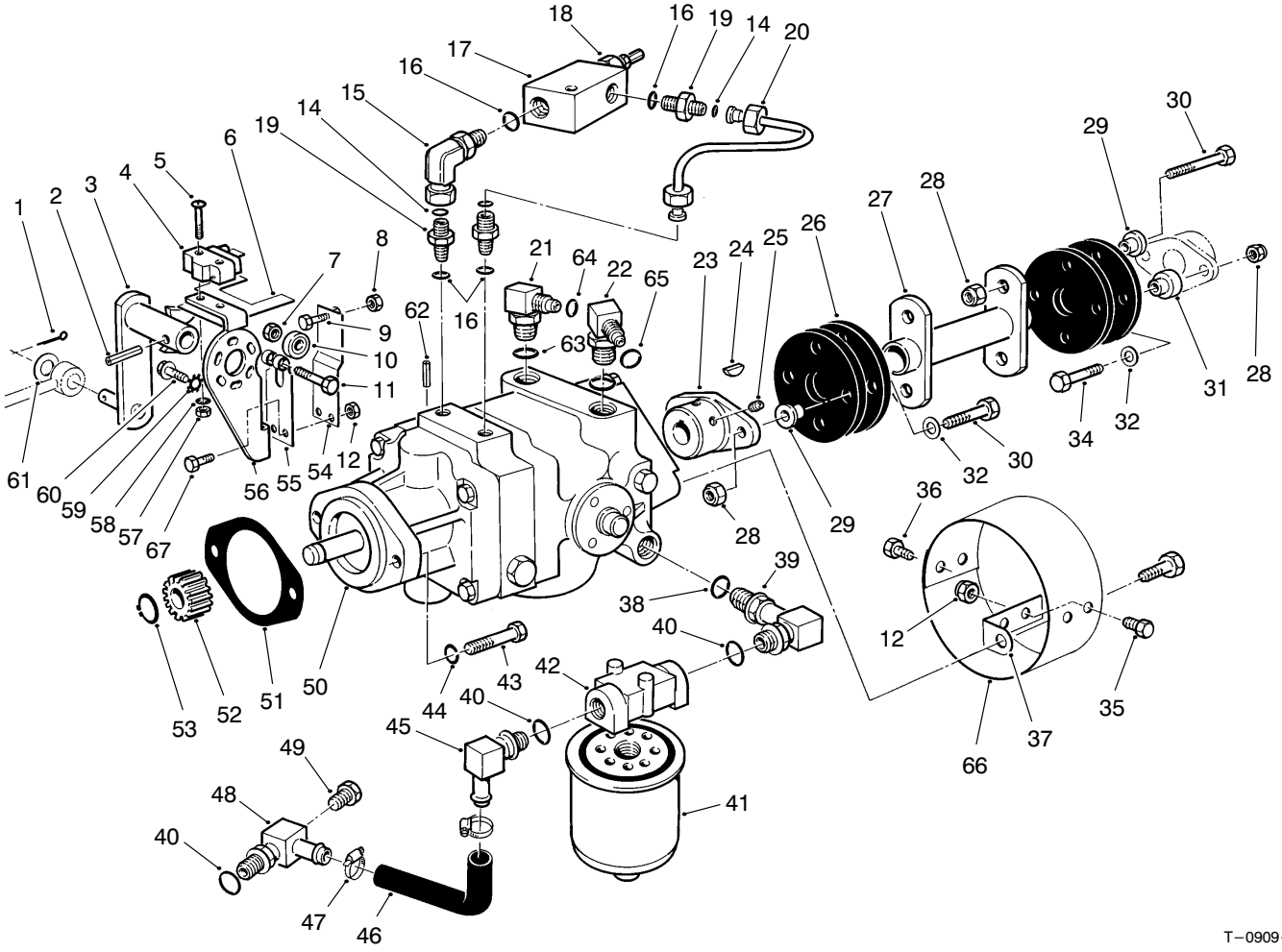


HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	3272−10	Pin − Cotter	1
2	32121−24	Pin − Roll	1
3	28−9570	Lever − Pump	1
4	29−6163	Switch − Micro	1
5	3249−11	Screw − Mach. Rd. Hd.	2
6	46−8810	Stop − Leaf, Spring	1
7	3296−29	Nut − Lock	1
8	3219−2	Nut − Hex	1
9	3210−7	Screw − Cap, Hex. Hd.	1
10	251−259	Bearing − Ball	1
11	322−17	Screw − Cap, Hex. Hd.	1
12	3296−42	Nut − Lock	6
14	237−21	O−Ring	3
15	340−143	Elbow − Swivel	1
16	237−78	O−Ring	4
17	72−3710	Body − Valve, Relief	1
18	72−3720	Cartridge − Valve, Relief	1
*	72−3730	Seal Kit (Relief Valve)	1
*	72−3540	Valve − Relief Adj. (Incl. Ref.#17 & 18)	1
19	340−92	Adapter − Straight	3
20	72−3550	Tube Assembly	1
21	340−77	Elbow − Fitting	1
22	340−99	Elbow − Fitting	1
23	33−4380	Hub − Pump	1

Ref. No.	Part No.	Description	No. Used
24	3257−32	Key − Woodruff	1
25	3241−5	Screw − Set, Sq. Hd.	2
26	44−2230	Coupling − Rubber	4
27	71−4400	Coupling − Drive	1
28	32152−1	Nut − Lock	8
29	71−4411	Spacer − Coupling, Rubber	6
30	322−8	Screw − Cap, Hex. Hd.	6
31	71−4410	Spacer − Coupling, Rubber	2
32	3256−3	Washer − Flat	4
34	322−10	Screw − Cap, Hex. Hd.	2
35	321−2	Screw − Cap, Hex. Hd.	2
36	321−4	Screw − Cap, Hex. Hd.	4
37	54−9290	Bracket	2
38	237−80	O−Ring	1
39	68−8660	Elbow − Fitting	1
40	237−81	O−Ring	3
41	23−9740	Filter − Oil	1
42	68−8990	Head − Filter	1
43	323−7	Screw − Cap, Hex. Hd.	2
44	3253−21	Washer − Lock	2
45	353−987	Elbow − Fitting	1
46	68−9650	Hose − Axle	1
47	2412−34	Clamp − Hose	2
48	70−2620	Elbow − Fitting	1

* Not Illustrated

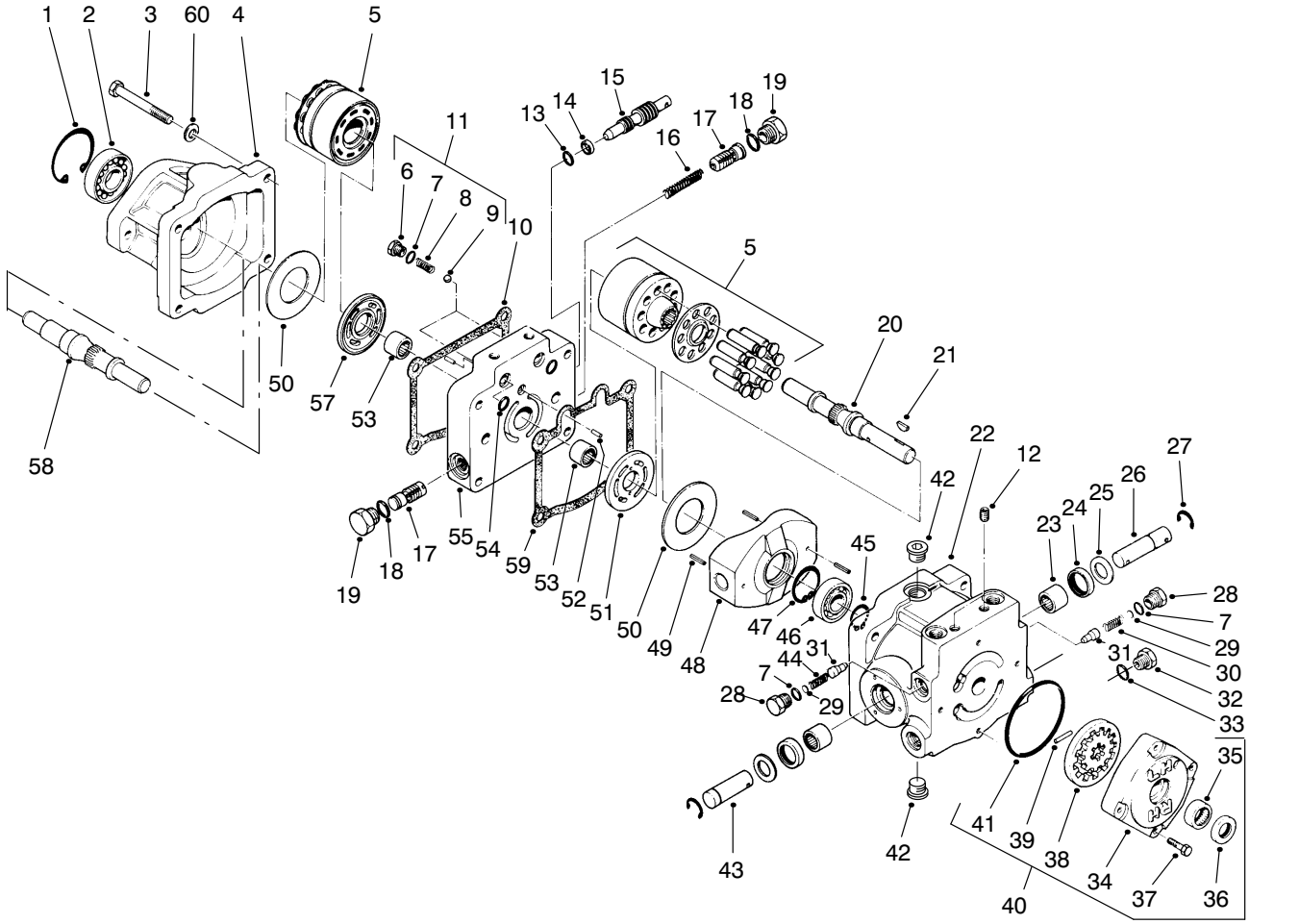


HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used
49	353−508	Plug − Drain	1
50	92−8947	Transmission − Inline	1
51	41−8760	Gasket − Transmission	1
52	86−7220	Gear − Output, Trans.	1
53	32120−72	Ring − Retaining	1
54	29−6170	Spring − Leaf, Extended	1
55	29−6150	Spring − Leaf	1
56	29−6120	Plate − Pump	1
57	3217−6	Nut − Hex	2
58	3254−9	Washer − Lock	2

Ref. No.	Part No.	Description	No. Used
59	3255−7	Washer − Lock	3
60	11−9760	Screw − Self Tapping	3
61	3256−6	Washer − Flat	1
62	32121−6	Pin − Roll	1
63	237−42	O−Ring	2
64	237−22	O−Ring	1
65	237−30	O−Ring	1
66	54−9300	Cover − Pump Shaft	1
67	321−6	Screw − Cap Hex. Hd.	2

3317−146 REV E

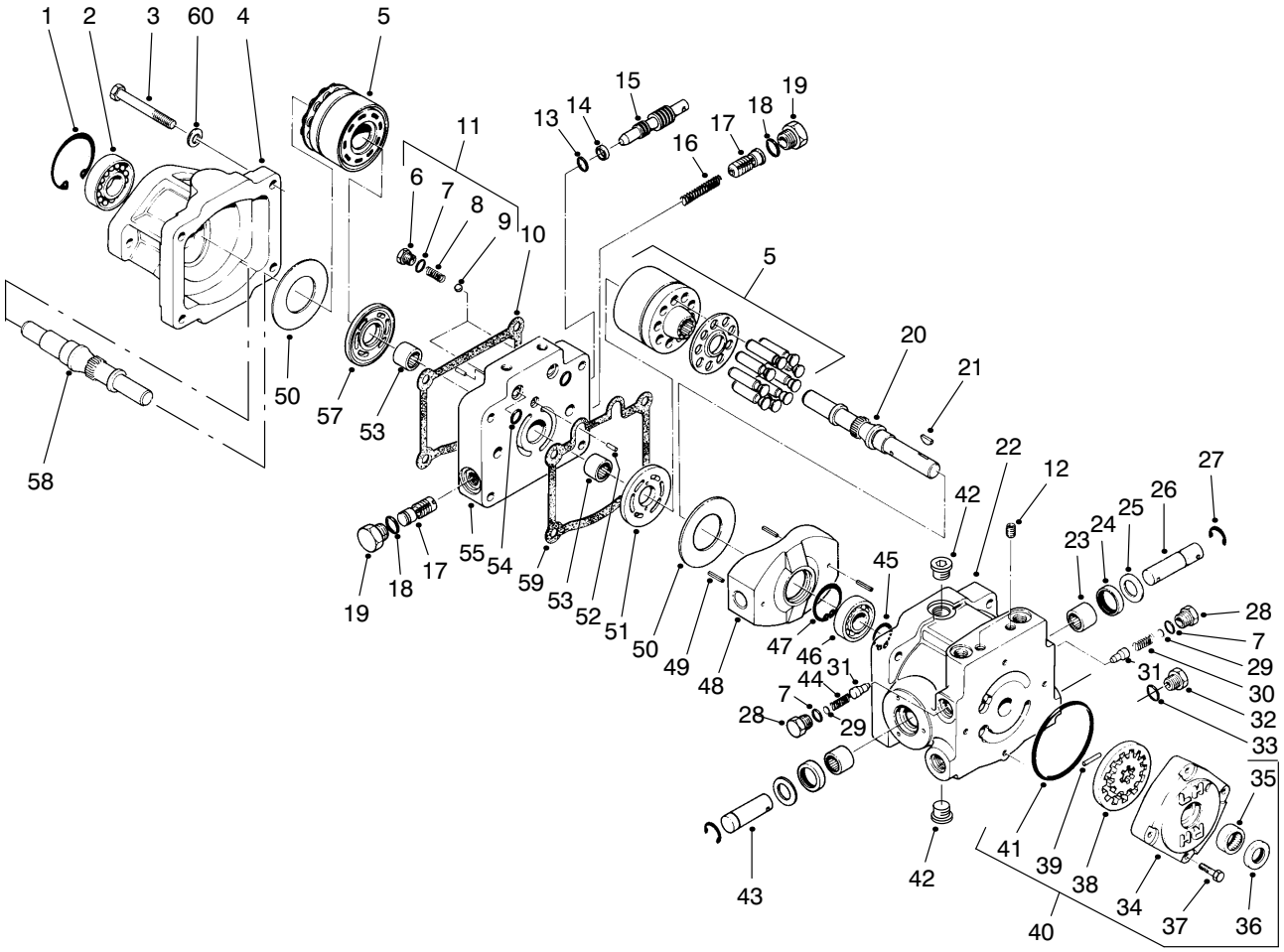


T−0425−4

TRANSMISSION ASSEMBLY NO. 92−8947

Ref. No.	Part No.	Description	No. Used
1	32120−8	Ring − Retaining	1
2	72−3750	Bearing − Ball	1
3	323−56	Screw − Cap, Hex. Hd.	4
4	67−9080	Housing − Motor	1
5	48−1800	Cylinder Block Kit	2
6	25−2650	Check Valve Plug	2
7	237−86	O−Ring	4
8	25−2640	Valve Spring	2
9	25−2490	Ball	2
10	67−9100	Gasket	1
11	25−3180	Check Valve Kit (Incl. Ref. #6−9)	2
12	285−17	Pipe Plug	4
13	237−22	O−Ring	1
14	25−2630	Back−Up Ring	1
15	88−8220	By−Pass Valve	1
16	25−2610	Accel. Valve Spring	1
17	25−2410	Accel. Valve Assembly	2
18	76−1900	O−Ring	2
19	353−550	Plug − Hex. Hd.	2
20	67−8020	Pump Shaft	1
21	3257−32	Key − Woodruff	1
22	54−7890	Pump Housing (Incl. Ref. #12 & 23−25)	1
23	252−82	Bearing − Needle	2
24	25−3210	Lip Seal	2

Ref. No.	Part No.	Description	No. Used
25	25−2510	Washer − Flat	2
26	25−2580	Trunnion Shaft	1
27	32151−46	Ring − Retaining	2
28	25−2460	Plug − Hex. Hd.	2
29	25−2470	Shim Pack	2
30	25−2570	Valve Spring	1
31	83−7260	Relief Valve Cone	2
32	353−551	Plug − Hex. Hd.	1
33	237−80	O−Ring	1
34	25−2550	Charge Pump Housing	1
35	67−8050	Bearing − Needle	1
36	93−4133	Lip Seal	1
37	322−4	Screw − Cap, Hex. Hd.	4
38	25−2680	Gerotor Assembly	1
39	25−2530	Headless Straight Pin	1
40	25−3190	Charge Pump (Incl. Ref. #34−39 & 41)	1
41	237−95	O−Ring	1
42	67−9090	Plug	2
43	25−2500	Trunnion Shaft	1
44	25−2480	Valve Spring	1
45	32120−15	Ring − Retaining	1
46	251−8	Bearing − Ball	1
47	32120−11	Ring − Retaining	1
48	25−2450	Variable Swashplate	1
49	32121−91	Pin − Coil ,Spring	3

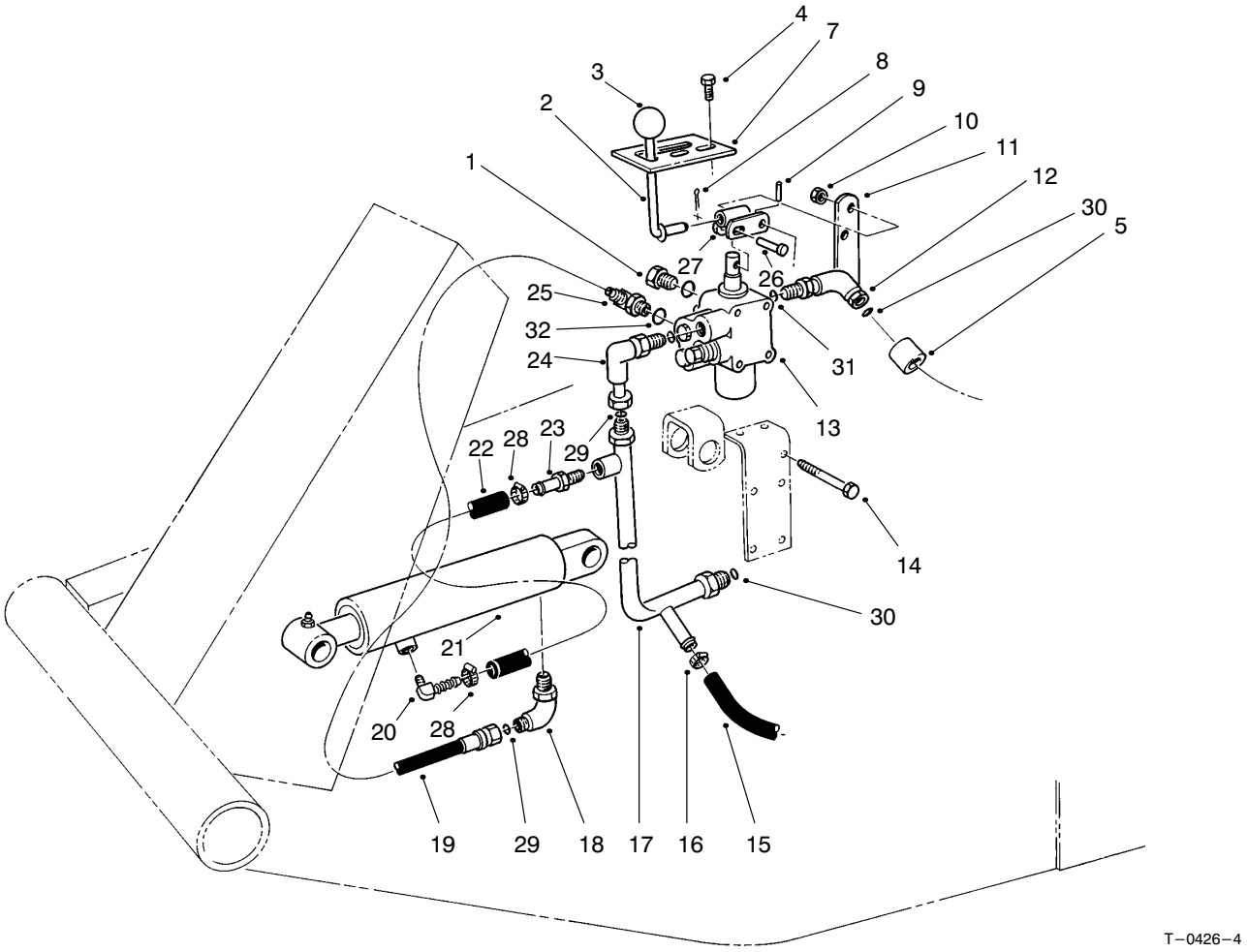


T−0425−4

TRANSMISSION ASSEMBLY NO. 92−8947 (Continued)

Ref. No.	Part No.	Description	No. Used
50	25−2380	Thrust Plate	2
51	25−2440	Pump Valve Plate	1
52	25−2430	Dowel Pin	2
53	46−8400	Bearing − Needle	2
54	93−4132	O−Ring	2
55	92−8918	Center Section	1
57	25−2390	Motor Valve Plate	1

Ref. No.	Part No.	Description	No. Used
58	46−8410	Motor Shaft	1
59	25−2400	Gasket	1
60	93−0312	Washer − Hardened	4
61	75−0170	Plug	4
62	92−8777	O−Ring	4
63	49−8520	Kit − Implement Relief (Incl. Ref. #7 & 28−31)	1



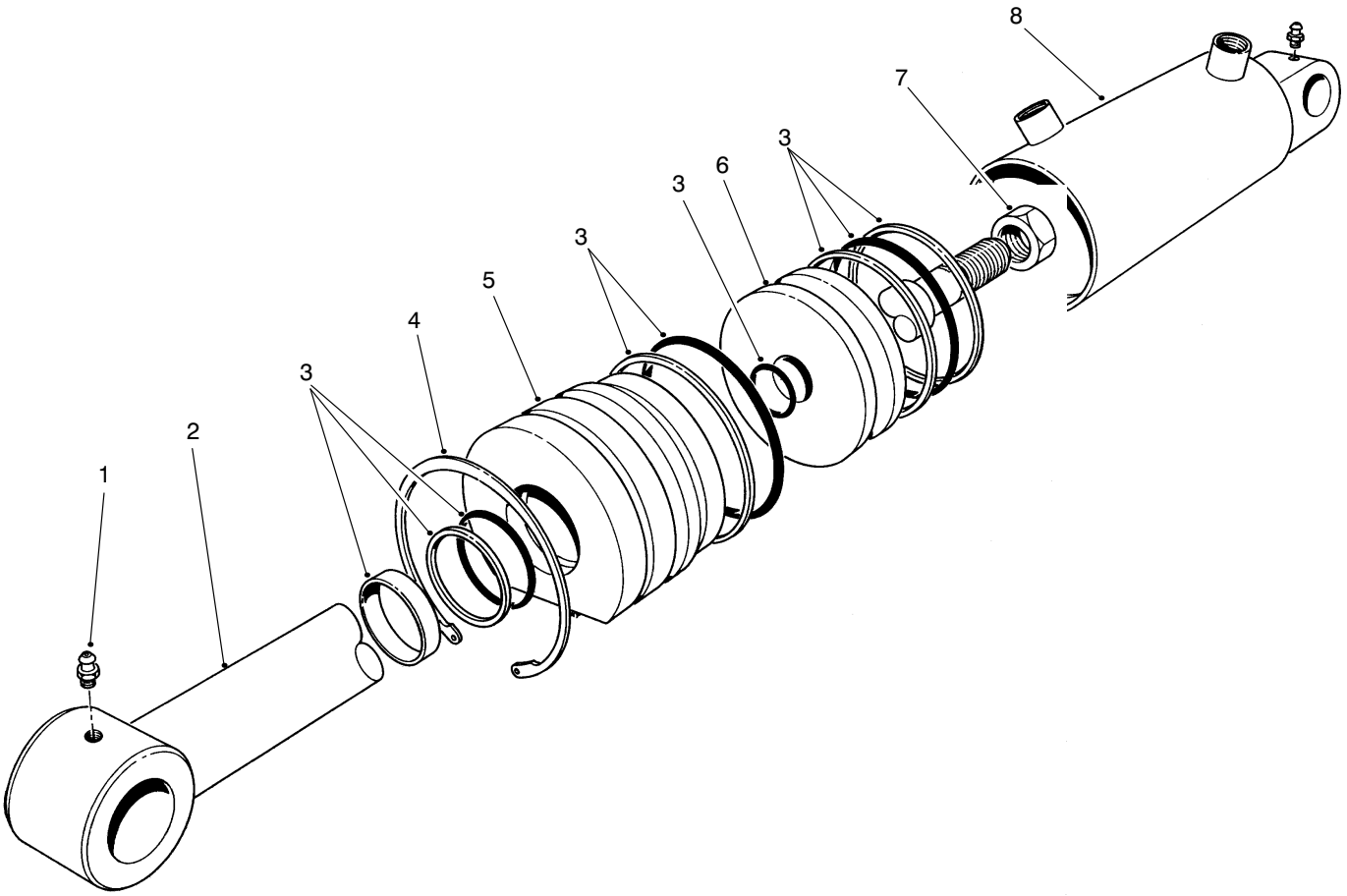
T−0426−4

VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353−512	Plug	1
2	21−8620	Lever Valve	1
3	233−21	Knob	1
4	32144−10	Screw − Self Tapping	2
5	38−3400	Guard − Rubber	1
7	21−8640	Latch − Valve Lever	1
8	3272−6	Pin − Cotter	1
9	32121−73	Pin − Slotted Spring	1
10	3296−42	Nut − Lock	5
11	21−9010	Pivot Mount − Valve Lever	1
12	340−99	Fitting − 90˚ Elbow	1
13	43−1710	Valve Assembly	1
14	321−23	Screw − Cap, Hex. Hd.	5
15	63−8990	Hose	1
16	2412−36	Clamp Hose	1
17	63−9260	Manifold − Valve	1
18	340−112	Elbow − 90˚	1

Ref. No.	Part No.	Description	No. Used
19	92−7833	Hose − (Valve to Cylinder)	1
20	304−75	Fitting − 90˚ Barb	1
21	62−4250	Cylinder − Hydraulic	1
*	66−1250	Cylinder − Hydraulic (Optional)	1
22	92−7834	Hose	1
23	304−73	Fitting − Straight Barb	1
24	340−110	Elbow − 90˚	1
25	340−97	Fitting − 90˚	1
26	283−17	Pin	1
27	21−8590	Link − Valve Lever	1
28	2412−108	Clamp − Hose	2
29	237−22	O−Ring	2
30	237−30	O−Ring	2
31	237−42	O−Ring	2
32	237−78	O−Ring	2

* Not Illustrated

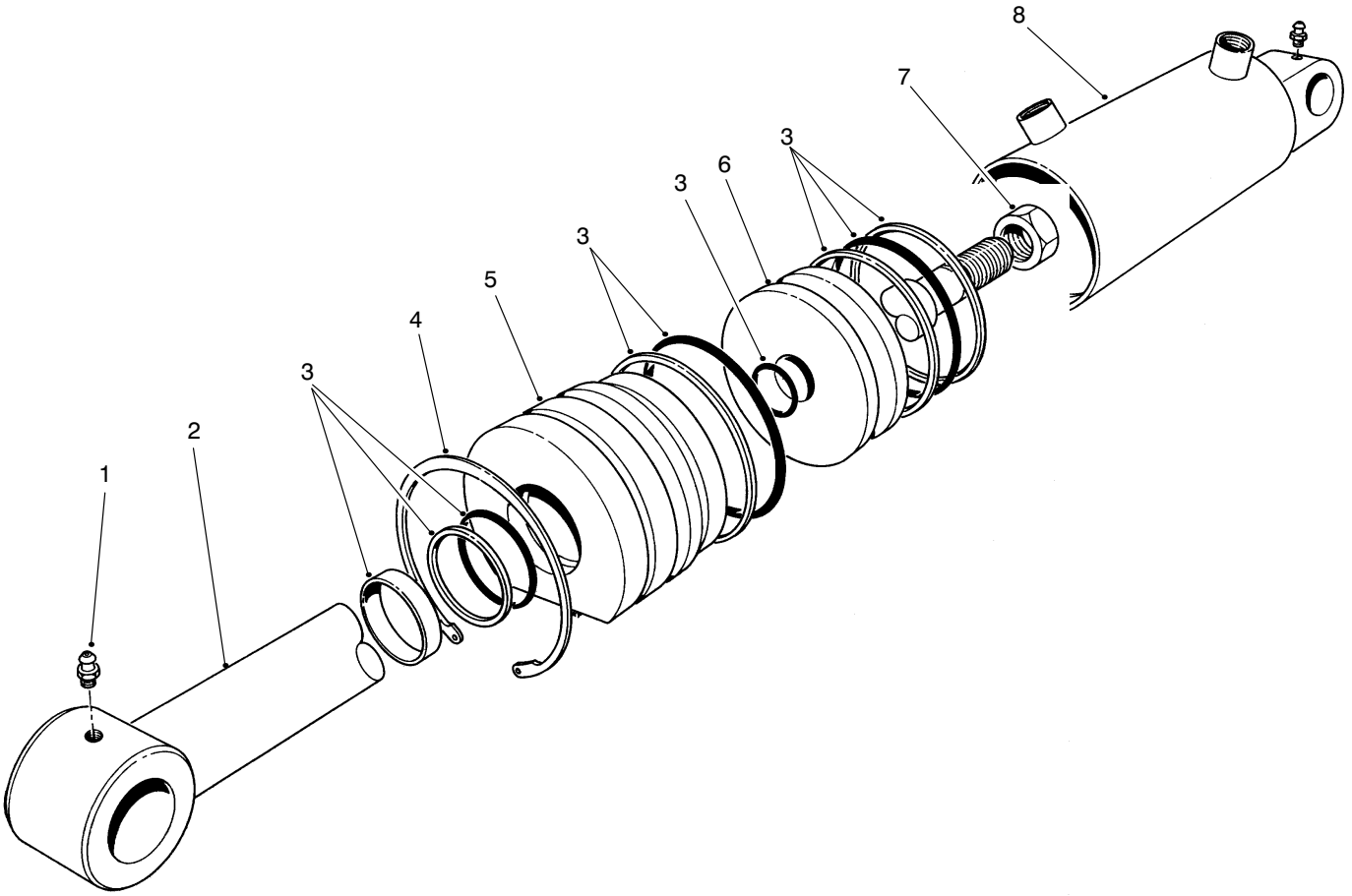


T−0527−3

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 62−4250 (2−1/2” Bore)

Ref. No.	Part No.	Description	No. Used
1	302−55	Fitting − Grease	2
2	61−4980	Shaft − w/Clevis	1
3	61−4960	Repair Kit	1
4	61−4990	Ring − Retaining	1
5	60−9780	Head	1
6	60−9770	Piston	1
7	60−9760	Nut	1
*8		Barrel	1

* Not available separately.



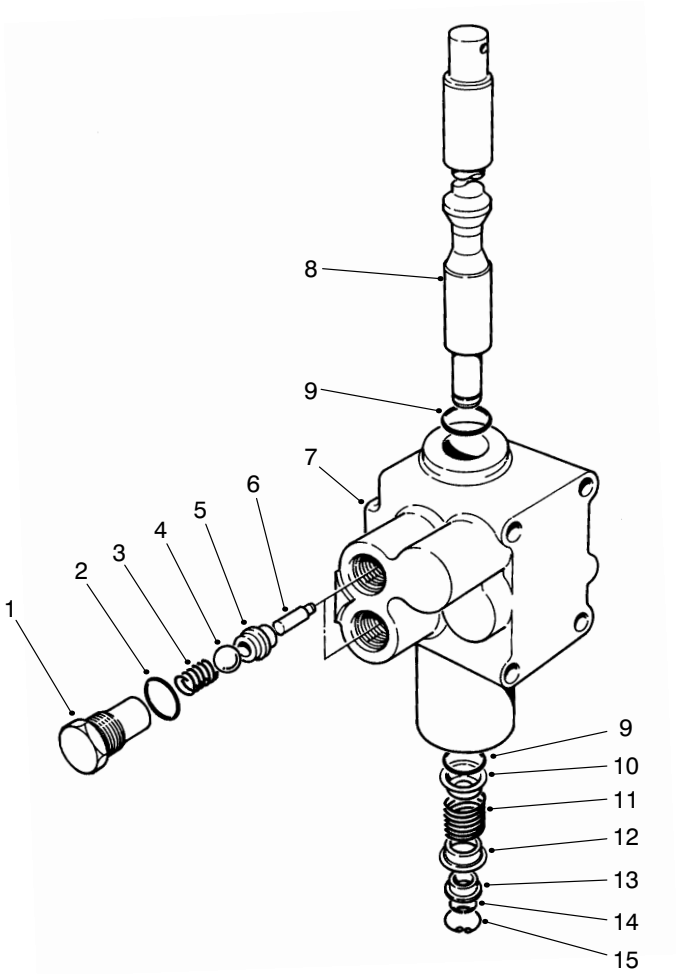
T−0527−3

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 66−1250 (3” Bore)

Ref. No.	Part No.	Description	No. Used
1	302−55	Fitting − Grease	2
2	67−5480	Shaft	1
3	67−5500	Repair Kit	1
4	67−5470	Ring − Retaining	1

Ref. No.	Part No.	Description	No. Used
5	67−5460	Head	1
6	67−5450	Piston	I
7	60−9760	Nut − Hex	1
*8		Barrel	1

* Not available separately.

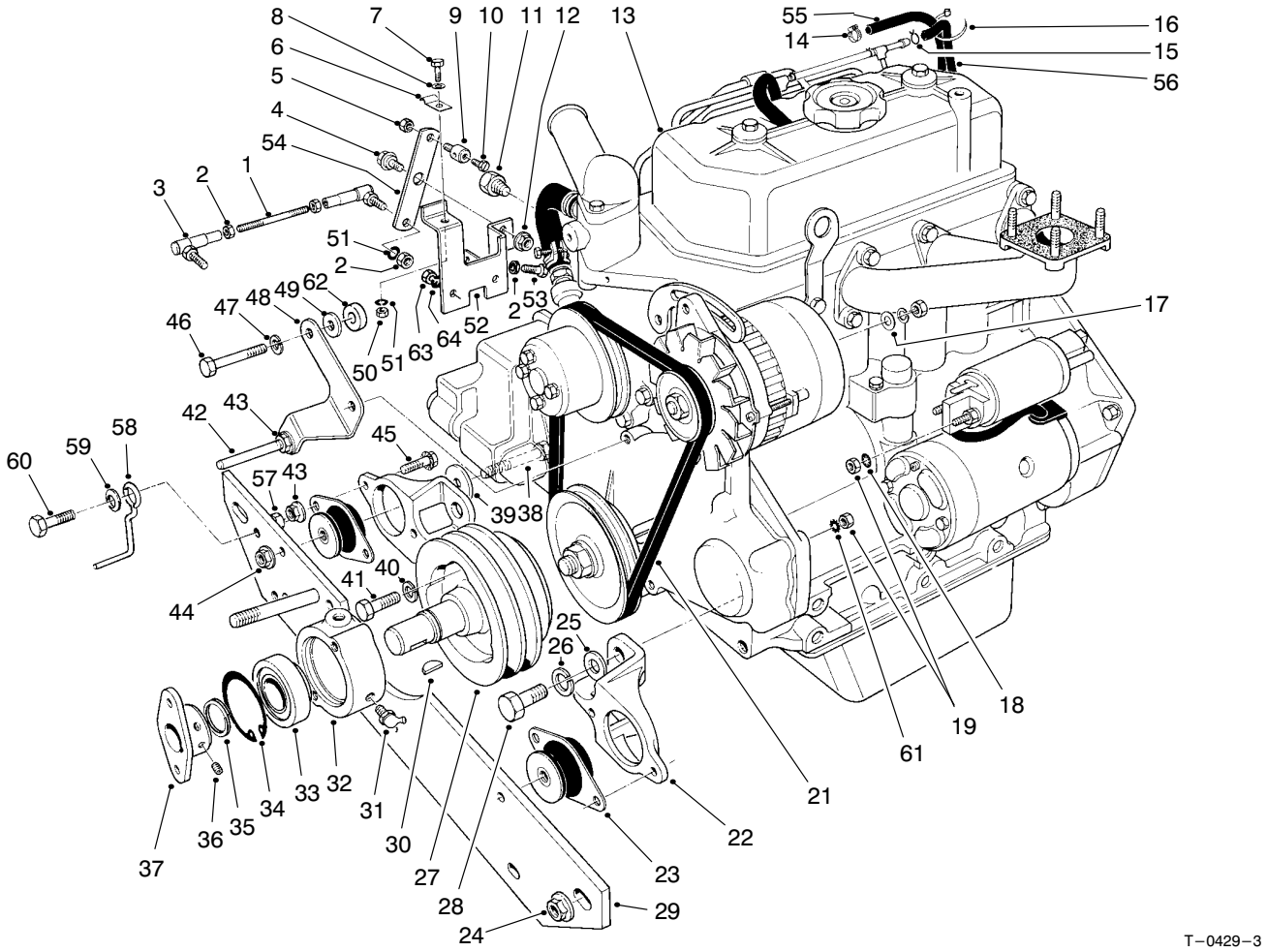


T−0428−1

CONTROL VALVE ASSEMBLY NO. 43−1710

Ref. No.	Part No.	Description	No. Used
1	22−8330	Plug	2
2	237−42	O−Ring	2
3	22−8340	Spring	2
4	22−8350	Ball	2
5	22−8370	Seat − Check Valve	2
6	22−8360	Pin − Cam	2
7	43−1730	Body	1
8	22−8420	Spool	1

Ref. No.	Part No.	Description	No. Used
9	22−8500	O−Ring	2
10	22−8380	Spring Retainer	1
11	22−8410	Spring	1
12	22−8390	Spring Retainer	1
13	22−8400	Spacer Float	1
14	22−8480	Spring Ring Spool	1
15	22−8490	Snap Ring	1

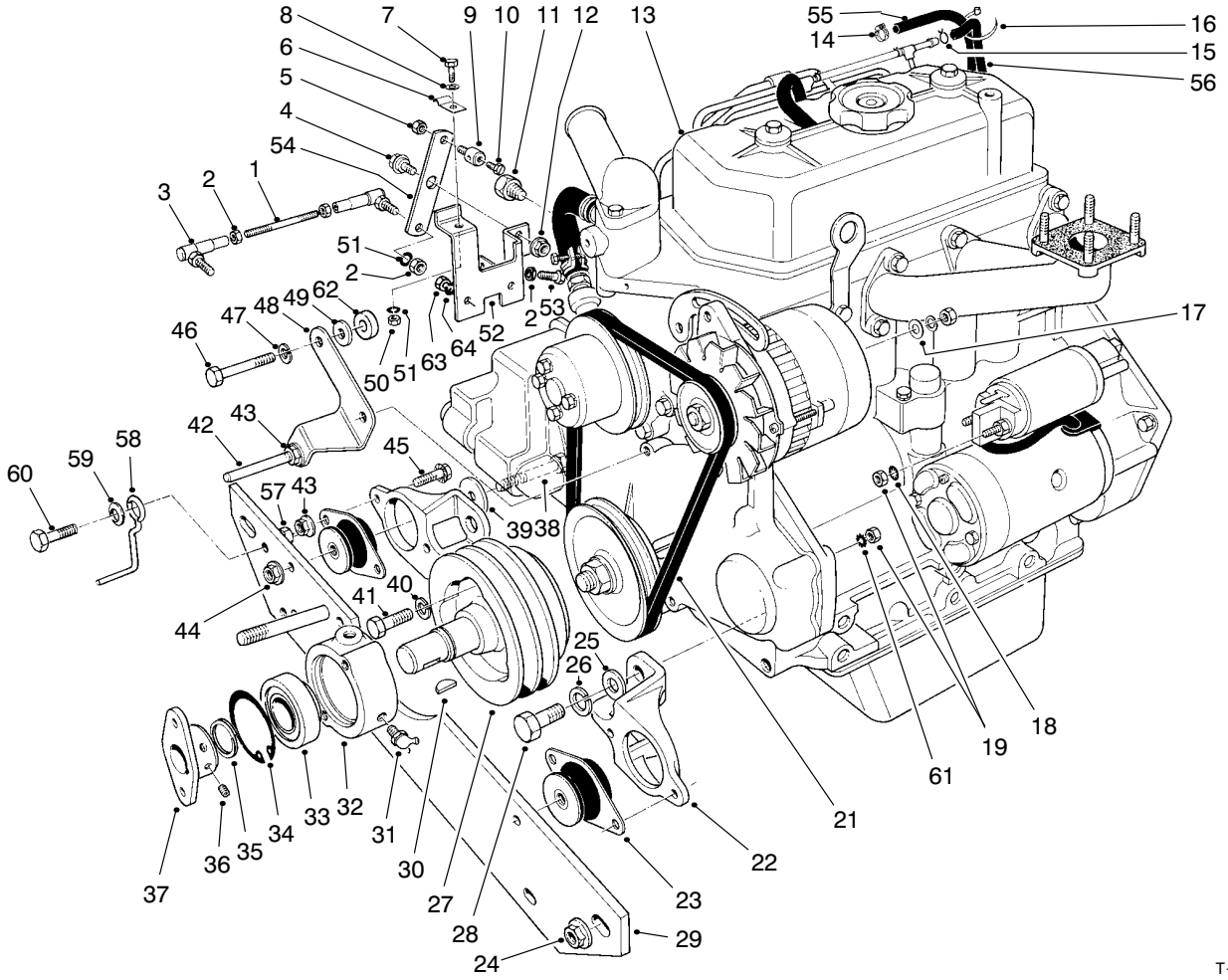


T−0429−3

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43−3770	Link − Throttle	1
2	3219−1	Nut	5
3	18−1720	Ball Joint Assembly	2
4	37−8770	Bolt − Shoulder	1
5	3296−20	Nut − Lock	1
6	2412−31	Clamp − Bodine	1
7	321−4	Screw − Cap, Hex. Hd.	1
8	3256−22	Washer − Flat	1
9	43−3780	Swivel − Throttle Control	1
10	25−8640	Screw − Machine	1
11	43−1940	Adapter − Temp. Gauge	1
12	32152−1	Nut − Lock, Flange	1
13	43−1440	Engine (Used on Serial No. 50001−60267)	1
13	94−9160	Engine (Used on Serial No. 60268 & Up)	1
14	2412−108	Clamp − Worm Drive	1
15	2412−79	Clamp	1
16	3290−379	Cable Tie	1
17	5−3637	Washer	1
18	3254−2	Washer − Lock, Int. Tooth	2
19	42−9580	Nut	2
21	42−9100	Belt Fan	1
22	53−9710	Engine Mount	2

Ref. No.	Part No.	Description	No. Used
23	53−9680	Engine Mount − Rubber	2
24	32128−23	Nut − Lock, Flange	2
25	3256−64	Washer − Flat	4
26	43−5950	Washer − Lock	4
27	43−3510	Pulley − Engine	1
28	43−3210	Screw − Cap, Hex. Hd.	4
29	75−9900	Engine Support − Front	1
30	3257−33	Key − Woodruff	1
31	302−10	Fitting − Grease	1
32	43−3720	Collar − Bearing	1
33	251−252	Bearing − Ball	1
34	32120−22	Ring − Retaining, Internal	1
35	32120−69	Ring − Retaining, External	1
36	3241−5	Screw − Set, Socket Head	2
37	27−1960	Hub − Engine	1
38	324−12	Screw − Cap, Hex. Hd.	2
39	53−9480	Washer	2
40	42−9600	Washer − Lock	3
41	43−3190	Screw − Cap, Hex. Hd.	3
42	21−1820	Stud − Belt Retainer	2
43	3290−357	Nut − Lock, Flange	7
44	32128−37	Nut − Lock, Flange	2
45	3234−11	Screw − Cap, Hex. Hd.	4
46	42−9510	Screw − Cap, Hex. Hd.	2
47	3253−4	Washer − Lock	2
48	43−3790	Bracket − Belt Guide	1

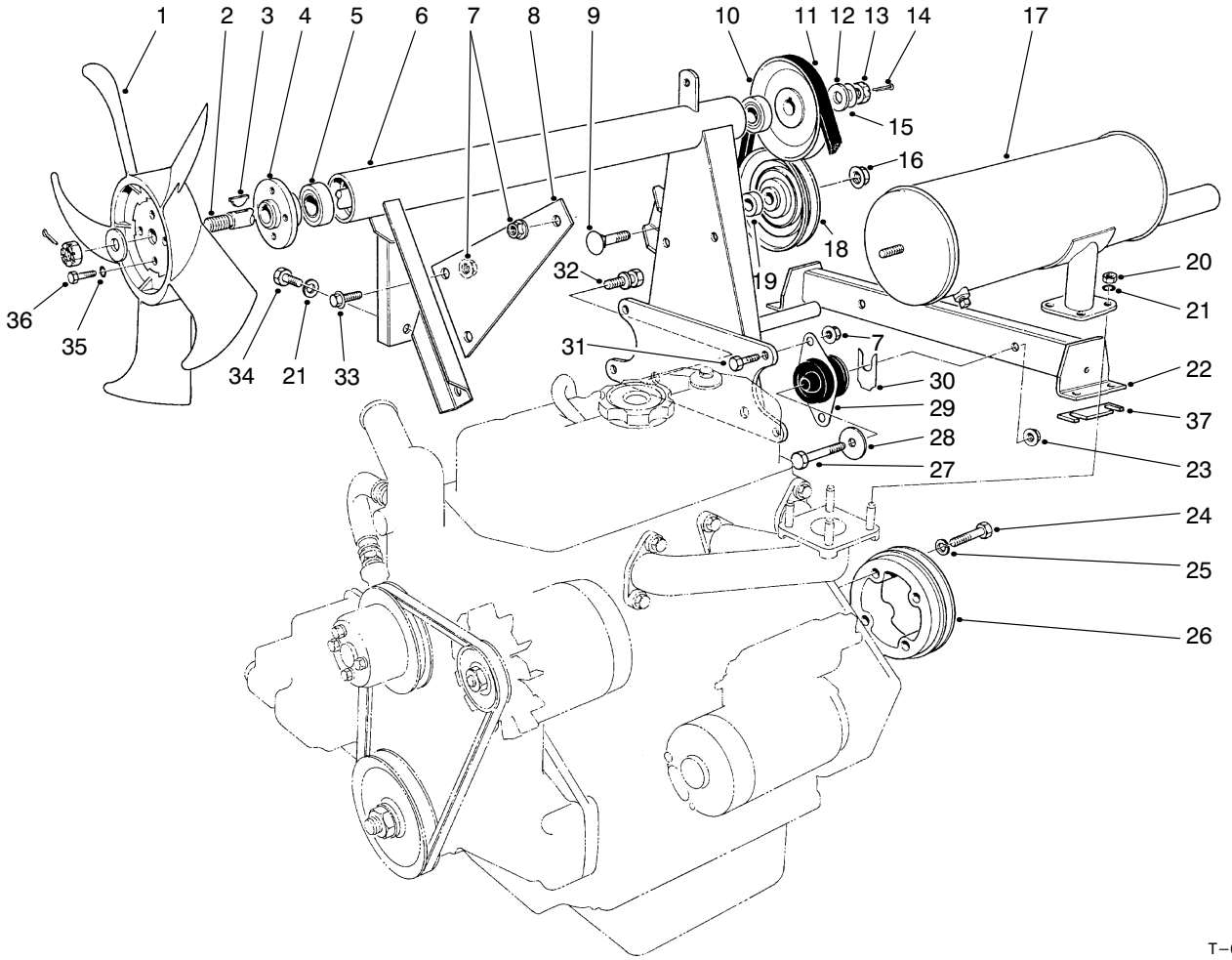


T−0429−3

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	4−2390	Washer	2
50	3217−5	Nut	1
51	3253−3	Washer − Lock	3
52	43−3730	Bracket Throttle Control	1
53	329−7	Screw − Cap, Hex. Hd.	1
54	43−3760	Lever − Throttle	1
55	47−7420	Hose	1
56	43−4230	Hose	1

Ref. No.	Part No.	Description	No. Used
57	32153−2	Nut − Lock	1
58	63−1400	Belt Guide	1
59	3290−224	Washer − Lock	1
60	3234−18	Screw − Cap, Hex. Hd.	1
61	3255−9	Washer − Lock, Ext. Tooth	1
62	5−0652	Spacer	2
63	48−7630	Screw − Cap Hex. Hd.	2
64	43−5930	Washer − Lock	2

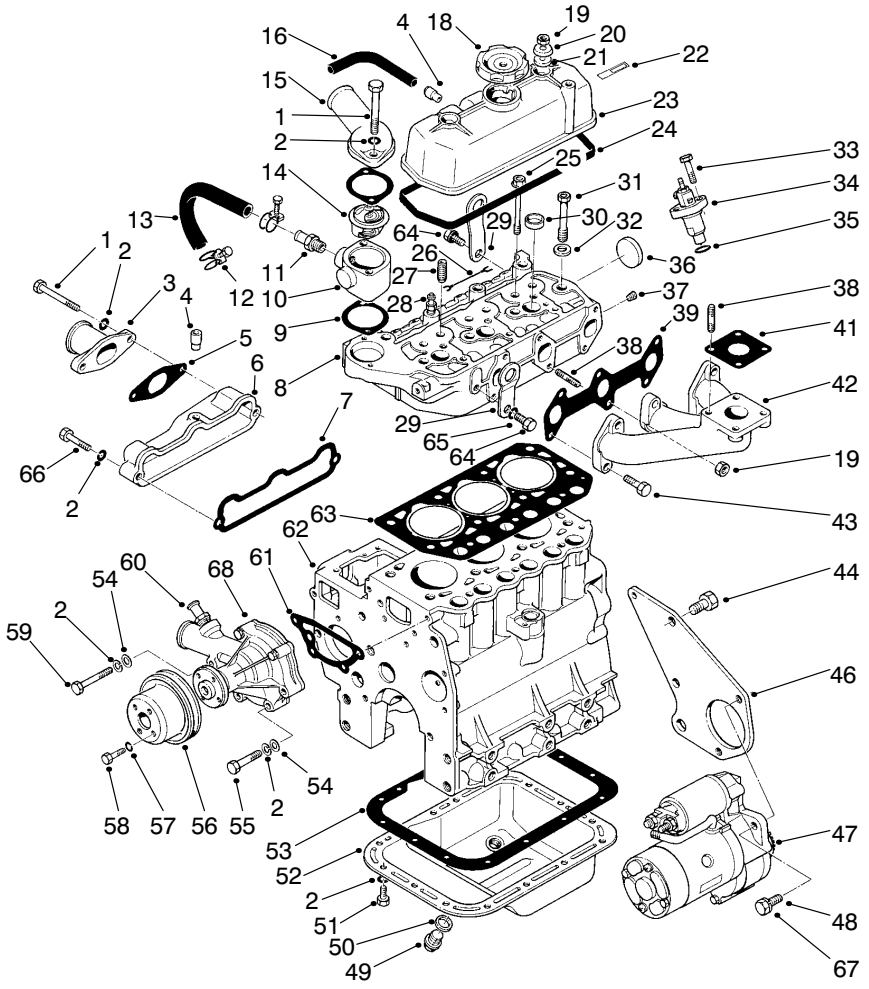


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	43−1911	Fan − Cooling	1
2	43−3690	Fan − Shaft	1
3	3257−30	Key − Woodruff	2
4	43−3700	Hub−Fan	1
5	38−7820	Bearing	2
6	53−9750	Fan Mount	1
7	3290−357	Nut − Lock, Flange	8
8	43−3870	Support − Muffler	1
9	3233−14	Bolt − Carriage	1
10	43−3880	Pulley	1
11	43−5910	V−Belt	1
12	29−8910	Washer	2
13	32136−3	Nut − Hex. Slotted	2
14	3272−16	Pin − Cotter	2
15	3−6803	Washer	A/R
16	32128−23	Nut − Lock, Flange	1
17	43−3850	Muffler	1
18	66−5310	Idler Pulley	1
19	66−5320	Spacer	1
20	42−9580	Nut	4

Ref. No.	Part No.	Description	No. Used
21	3253−4	Washer − Lock	5
22	77−3140	Engine Mount	1
23	32128−37	Nut − Lock, Flange	2
24	43−3200	Screw − Cap, Hex. Hd.	4
25	42−9600	Washer − Lock	4
26	43−3530	Pulley Flywheel	1
27	324−11	Screw − Cap, Hex. Hd.	2
28	53−9480	Washer	2
29	53−9680	Engine Mount − Rubber	2
30	42−6080	Shim	A/R
31	3234−11	Screw − Cap, Hex. Hd.	4
32	66−7030	Screw − Cap, w/Washer	2
33	3234−12	Screw − Lock, Flange	2
34	42−9230	Screw − Cap, Hex. Hd.	1
35	3253−3	Washer − Lock	4
36	321−3	Screw − Cap, Hex. Hd.	4
37	68−9110	Shim	A/R
*	68−9111	Shim	A/R
*	68−9112	Shim	A/R

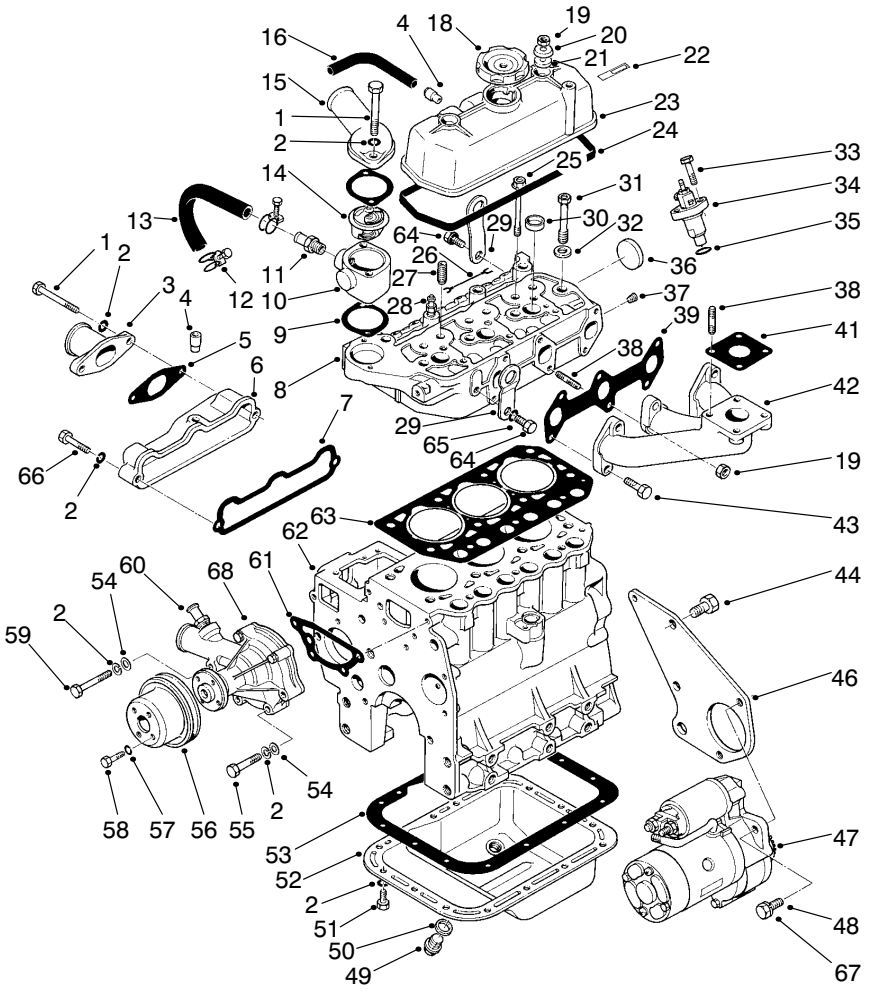
* Not Illustrated



ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42−9310	Screw − Cap, Hex. Hd.	4
2	42−9850	Washer − Lock	24
3	42−9150	Pipe Inlet	1
4	42−7510	Pipe	2
5	42−9160	Gasket − Inlet Pipe	1
6	42−9120	Intake Manifold Assembly	1
7	42−9140	Gasket − Intake Manifold	1
8	93−1369	Head Assembly − Cylinder	1
9	42−7550	Gasket	2
10	43−1790	Fitting − Thermostat	1
11	42−7740	Nipple − Hose	1
12	43−3140	Clamp − Hose	2
13	43−3130	Hose − Water (Incl. Ref. #12)	1
14	93−3524	Thermostat	1
15	42−7540	Fitting − Water Outlet	1
16	93−3685	Pipe − Air Breather	1
18	42−7420	Cap − Oil Filter	1
19	42−9580	Nut (8)	3
20	42−9800	Washer	2
21	42−7490	Seal − Oil	2
22	42−7530	Label − Engine No.	1
23	42−7500	Cover Assembly − Rocker	1
24	42−7520	Gasket − Rocker Cover	1
25	93−3180	Bolt − Cylinder Head (10 x 90)	3

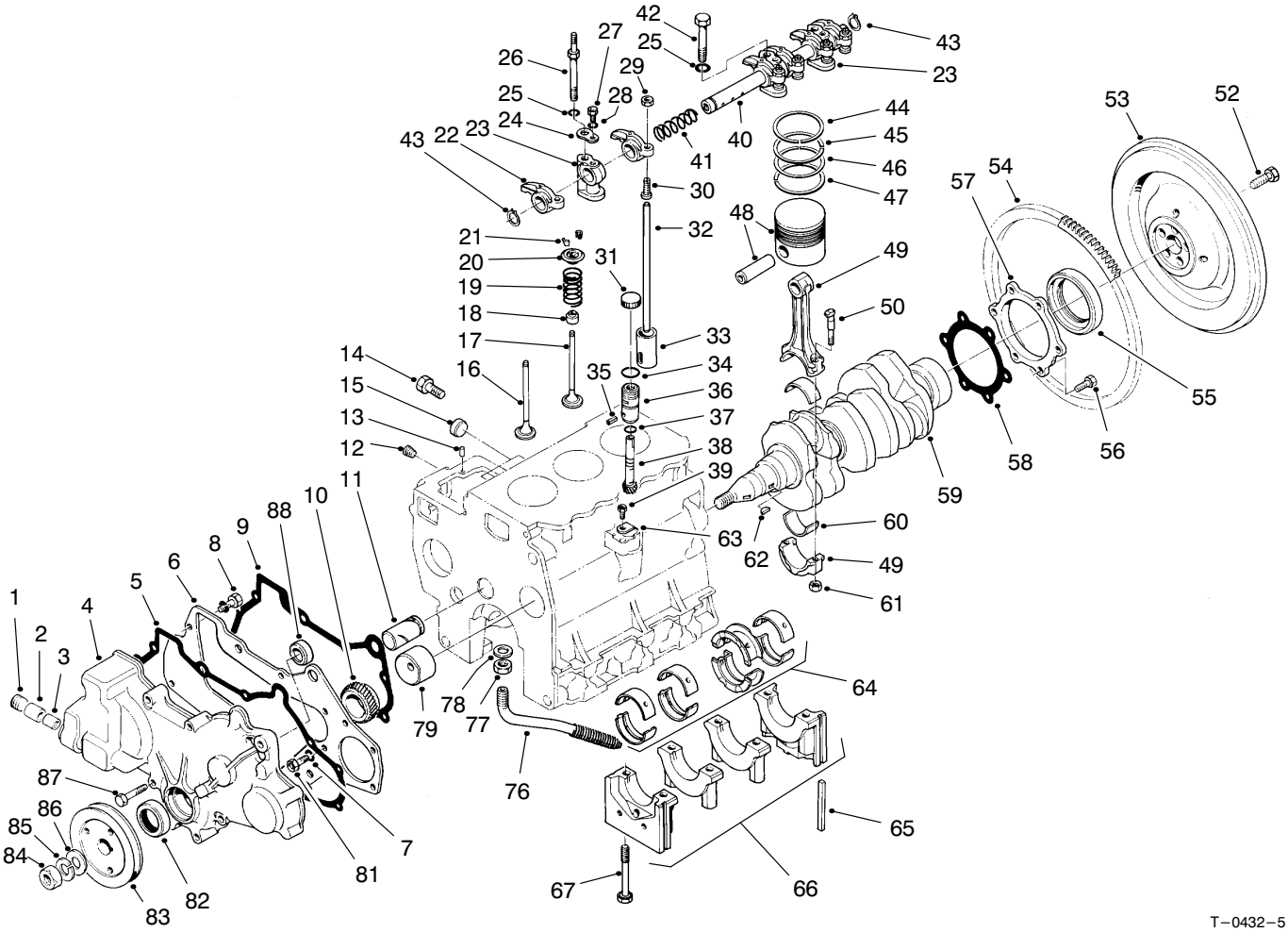
Ref. No.	Part No.	Description	No. Used
26	42−9180	Wire − Glow Plug Lead	2
27	42−7460	Guide − Valve	6
28	42−7480	Glow Plug	3
29	42−7440	Hanger − Engine	2
30	42−7080	Cap − Sealing (25)	3
31	42−9320	Bolt − Cylinder Head (12 x 98)	8
32	42−9790	Washer − Head Bolt	8
33	42−9390	Bolt (8 x 32)	6
34	44−8070	Nozzle & Holder Assembly	3
35	42−8120	Gasket − Nozzle Holder	3
36	42−7090	Cap − Sealing (45)	1
37	67−2570	Plug − Taper 1/8	1
38	42−9570	Stud (8 x 25)	5
39	42−9170	Gasket − Exhaust Manifold	1
41	42−9110	Gasket	1
42	43−1870	Manifold − Exhaust	1
43	42−9520	Screw − Cap (8 x 30)	5
44	42−9240	Screw − Cap (12 x 28)	3
46	43−1770	Plate − Rear	1
47	46−7610	Starter Assembly	1
48	43−0090	Screw − Cap (10 x 25)	2
49	42−9260	Plug − Oil Drain	1
50	42−7290	Gasket − Oil Drain Plug (18)	1
51	42−9230	Screw − Cap (8 x 16)	15



ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	42−7280	Oil Pan Assembly (Inc. Ref. #49 & 50)	1
53	42−7300	Gasket − Oil Pan	1
54	42−9660	Washer − Plain (8)	4
55	42−9500	Screw − Cap (8 x 45)	3
56	42−9070	Pulley − Water Pump	1
57	43−5930	Washer − Lock	4
58	42−9490	Screw − Cap (6 x 12)	4
59	42−9510	Screw − Cap (8 x 60)	1
60	42−9080	Water Pump Assembly	1
61	42−9090	Gasket − Water Pump	1
62	48−2020	Cylinder Block Sub Assy.	1
63	42−7470	Gasket − Cylinder Head	1
64	42−9300	Screw −Cap (10 x 20)	2
65	42−9600	Washer − Lock	2
66	42−9530	Screw − Cap (8 x 40)	1
67	42−9600	Washer − Lock	2
68	93−3656	Gasket − Pump, Water	1
*	42−9200	Complete Gasket Set	1

* Not Illustrated

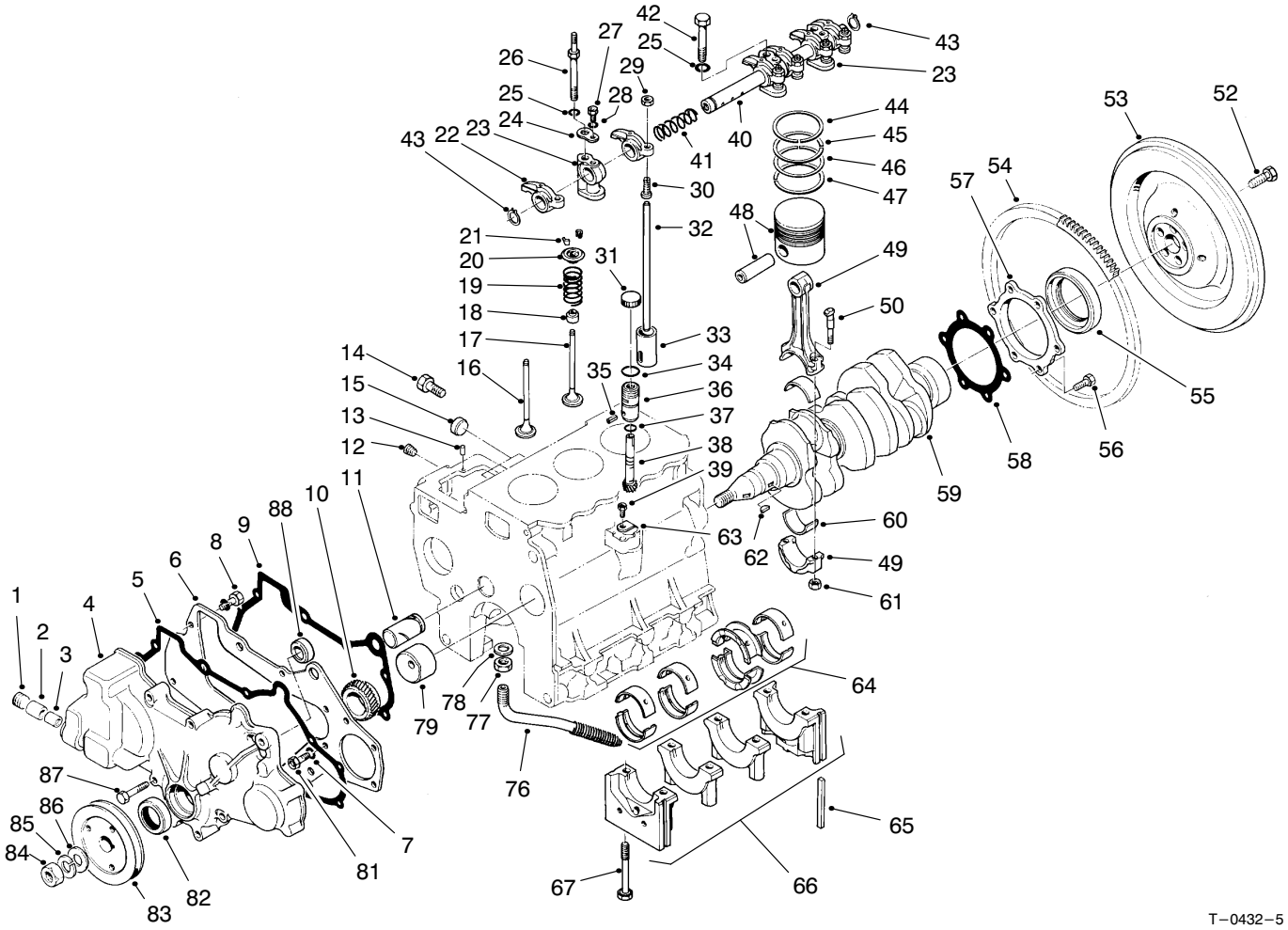


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42−7400	Plug − Taper	1
2	42−7320	Bearing − Needle	1
3	42−7310	Bearing − Needle	1
4	93−3689	Case − Gear	1
5	42−7340	Gasket − Gear Case	1
6	62−3740	Plate − Front	1
7	42−9850	Washer − Lock	5
8	67−2340	Screw − Cap, w/Washer	2
9	42−7150	Gasket − Front Plate	1
10	42−7700	Gear − Crankshaft	1
11	42−7110	Shaft − Idler	1
12	67−2390	Plug − Taper	3
13	56−0220	Pin − Dowel	2
14	42−9250	Screw − Cap, Hex. Hd.	4
15	42−7080	Cap − Sealing	2
16	93−1351	Valve − Intake	3
17	93−1352	Valve − Exhaust	3
18	92−1961	Seal − Valve Stem	6
19	42−7880	Spring − Valve	6
20	42−7850	Retainer − Valve Spring	6
21	42−7860	Lock − Spring Retainer	12
22	42−7940	Arm − Rocker	6
23	42−7970	Stay − Rocker	3
24	42−7950	Washer − Seat	2
25	42−9600	Washer − Spring	3

Ref. No.	Part No.	Description	No. Used
26	42−9360	Bolt	2
27	42−9350	Screw − Cap, Hex. Hd.	2
28	43−5930	Washer − Lock	2
29	42−9620	Nut − Jam	6
30	42−7980	Screw − Adjusting	6
31	93−3688	Cap − Shipping	1
32	42−7920	Rod − Push	6
33	42−7890	Tappet	6
34	42−9010	O−Ring	1
35	42−8970	Pin − Spring	1
36	42−8980	Sleeve − Gear	1
37	42−8990	O−Ring	1
†38		Gear − Driven	1
39	42−9440	Screw − Cap, Hex. Hd.	1
40	42−7960	Shaft Assembly − Rocker	1
41	42−7930	Spring − Rocker Shaft L.H.	1
42	42−9370	Screw − Cap, Hex. Hd.	1
43	42−7990	Ring − Snap	2
44	72−4200	Ring − Set − Piston Std.	3
45	72−4210	Ring Set − Piston 0.25 (.010 in.) 0.5.	3
46	72−4220	Ring Set − Piston 0.50 (.020 in.) 0.5.	3
47	72−4230	Ring Set − Piston 075 (.030 in.) 0.5.	3

* Not Illustrated
† Not Serviced Separately

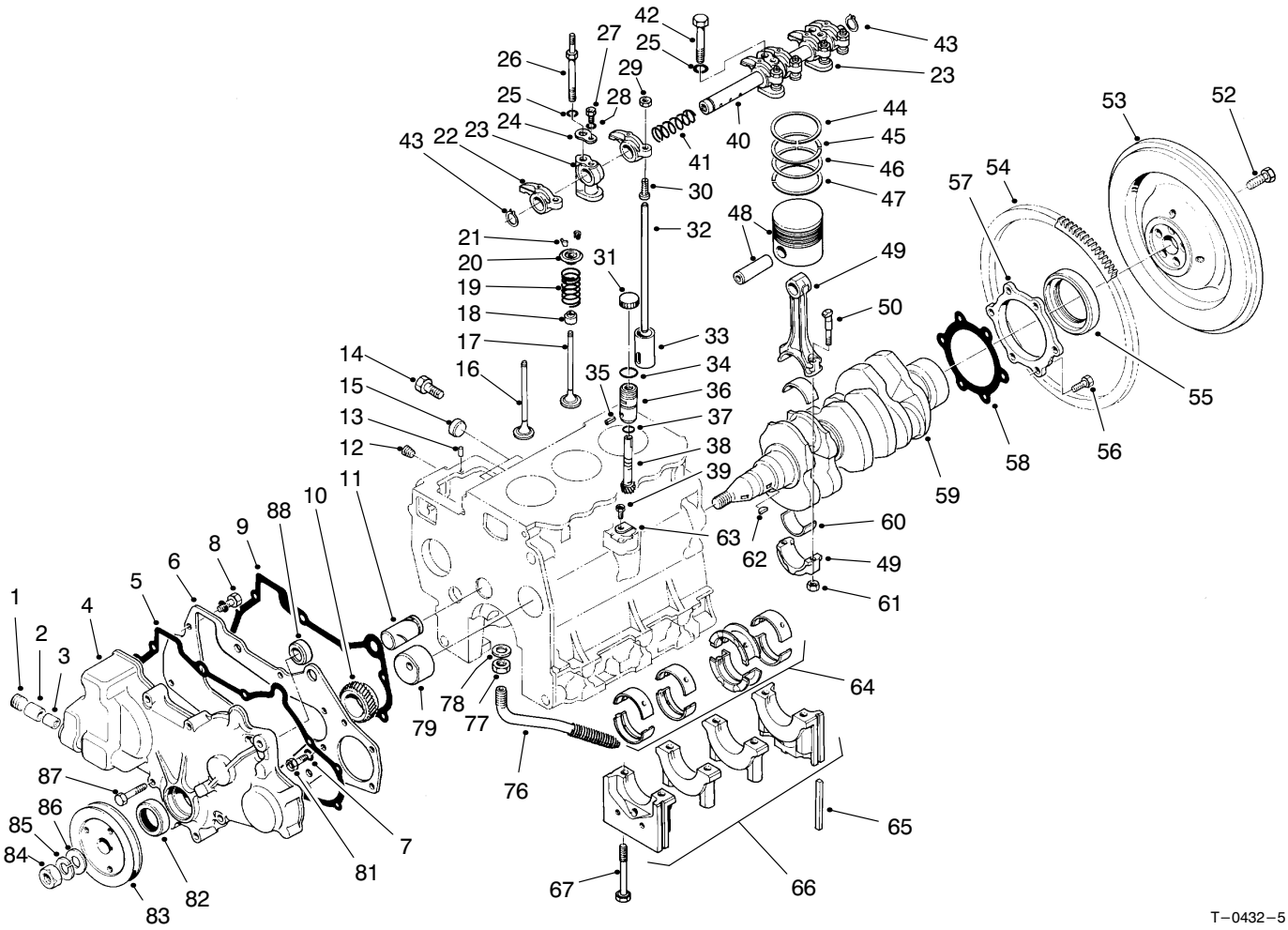


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	72−4240	Piston & Piston Pin Std.	3
*	72−4250	Piston & Piston Pin 0.25 (.010 in.) 0.5.	3
*	72−4260	Piston & Piston Pin 0.50 (.020 in.) 0.5.	3
*	72−4270	Piston & Piston Pin 0.75 (.030 in.) 0.5.	3
49	42−7650	Connecting Rod Assembly	3
50	67−2860	Bolt − Connecting Rod	6
52	54−8670	Bolt − Flywheel	5
53	43−1800	Flywheel (Incl. Ref. #54)	1
54	43−1810	Gear − Ring	1
55	42−7060	Seal − Oil	1
56	42−9220	Screw − Cap, Hex. Hd.	6
57	42−7120	Case − Oil Seal	1
58	42−7130	Gasket − Oil Seal	1
59	42−7710	Crankshaft	1
60	42−7660	Bearing Set Connecting Rod Std.	3
*	42−7670	Bearing Set Connecting Rod 0.25 (.010 in.) U.S.	3
*	42−7680	Bearing Set Connecting Rod 0.50 (.020 in.) U.S.	3

Ref. No.	Part No.	Description	No. Used
*60	42−7690	Bearing Set Connecting Rod 0.75 (.030 in.) U.S.	3
61	42−9590	Nut − Connecting Rod	6
62	42−7730	Key − Woodruff	2
63	42−9020	Plate − Locking	1
64	93−3387	Bearing Set Crankshaft Std.	1
*	42−7240	Bearing Set − Crankshaft 0.25 (.010 in.) U.S.	1
*	93−3388	Bearing Set − Crankshaft 0.50 (.020 in.) U.S.	1
*	42−7260	Bearing Set − Crankshaft 0.75 (.030 in.) U.S.	1
65	42−7040	Seal − Side	4
†66		Bearing Cap Assembly	1
67	42−9210	Bolt − Bearing Cap	8
76	48−2010	Screen − Assembly Oil	1
77	48−1990	Nut − Jam	1
78	48−1980	Gasket	1
79	42−7100	Bushing − Camshaft	1
81	42−9230	Screw − Cap, Hex. Hd.	3
82	42−7390	Seal − Oil	1
83	42−7720	Pulley − Crankshaft	1
84	43−6470	Nut	1
85	42−9860	Washer −Spring	1

* Not Illustrated
† Not Available

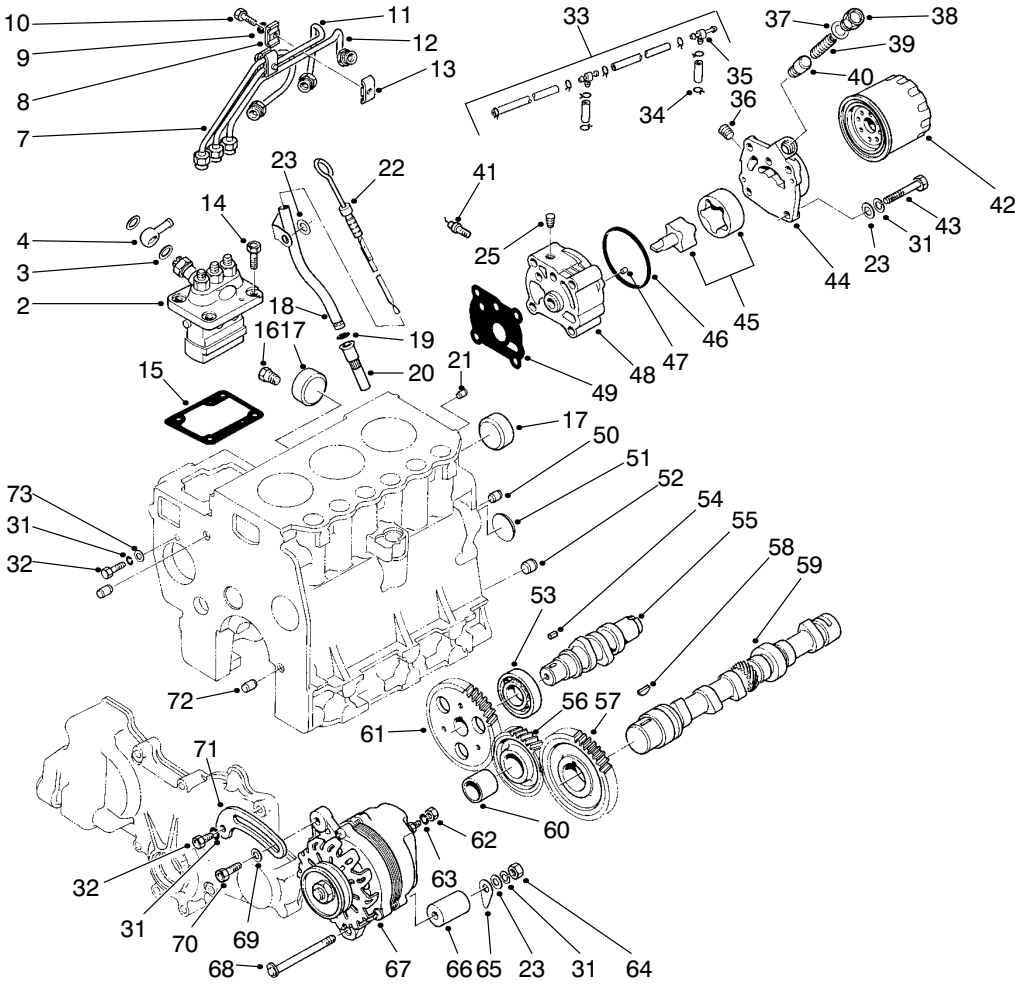


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
86	42−9810	Washer − Flat	1
87	42−9500	Screw − Cap, Hex. Hd.	8

Ref. No.	Part No.	Description	No. Used
88	82−2590	Plug − Thrust	1
*	42−8960	Driven Unit − Speedometer (Incl. Ref. #34−38)	1

* Not Illustrated
† Not Available



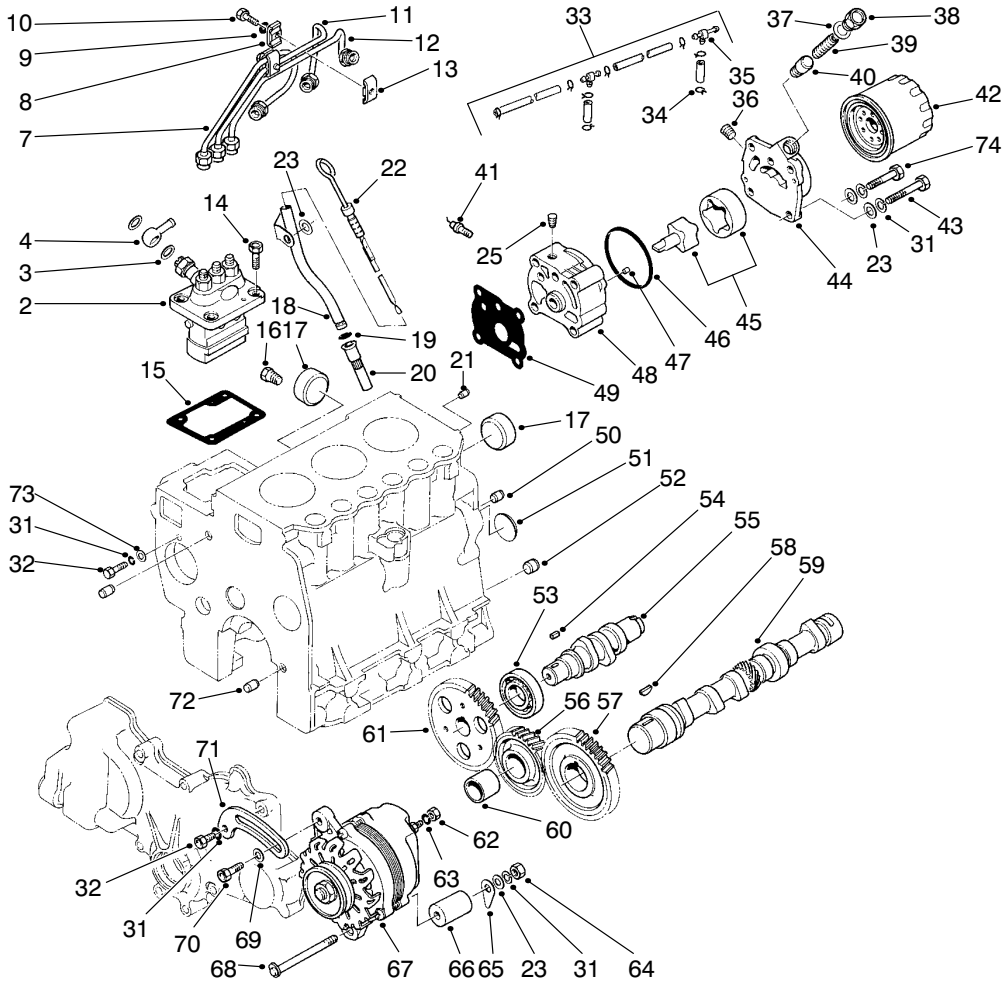
T−0433−2

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
2	42−8000	Pump Assy. − Fuel Injection (Used on Serial No. 50001−60267)	1
†2		Pump Assy. − Fuel Injection (Used on Serial No. 60268 & Up))	1
3	42−9830	Washer − Seal	2
4	42−8100	Collar − Union	1
7	42−8130	Pipe Assy. − Fuel Injection (No. 1)	1
8	56−0750	Clamp	2
9	43−5930	Washer − Lock	1
10	43−2600	Capscrew	2
11	42−8140	Pipe Assy. − Fuel Injection (No. 2)	1
12	42−8150	Pipe Assy. − Fuel Injection (No.3)	1
13	56−0760	Clamp	2
14	66−3160	Screw − Cap, Hex. Hd. (Used on Serial No. 50001−60267)	4
†14	66−3160	Screw − Cap, Hex. Hd. (Used on Serial No. 60268 & Up)	3
15	42−8010	Shim − 0.2 (.008 in.)	A/R
*	42−8020	Shim − 0.3 (.012 in.)	A/R
15	42−8030	Shim − 0.4 (.016 in.)	A/R
*	42−8040	Shim − 0.5 (.020 in.)	A/R
*	42−8050	Shim − 0.6 (.024 in.)	A/R
*	42−8060	Shim − 0.7 (.028 in.)	A/R
*	42−8070	Shim − 0.8 (.032 in.)	A/R
*	42−8080	Shim − 0.9 (.036 in.)	A/R
*	42−8090	Shim − 1.0 (.039 in.)	A/R
16	281−1	Plug − Taper	1
17	42−7090	Cap − Sealing	2
18	42−7050	Guide − Oil Level Gauge	1
19	43−2710	O−Ring	1
20	72−6950	Retainer − Oil Level Guide	1
21	42−7160	Pin − Dowel	1
22	42−7270	Gauge Assy. − Oil Level	1
23	42−9660	Washer − Flat	6
25	67−2570	Plug − Taper	1
31	42−9850	Washer − Lock	7
32	42−9230	Screw − Cap, Hex. Hd.	2
33	42−8180	Fuel Return Pipe Assembly	1
34	2412−79	Clamp − Hose	8
35	42−8190	Joint	2
36	67−2390	Plug − Taper	1
37	42−7290	Gasket	1
38	67−2520	Plug	1
39	42−8930	Spring − Relief	1
40	67−2500	Plunger − Relief	1

* Not Illustrated

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor



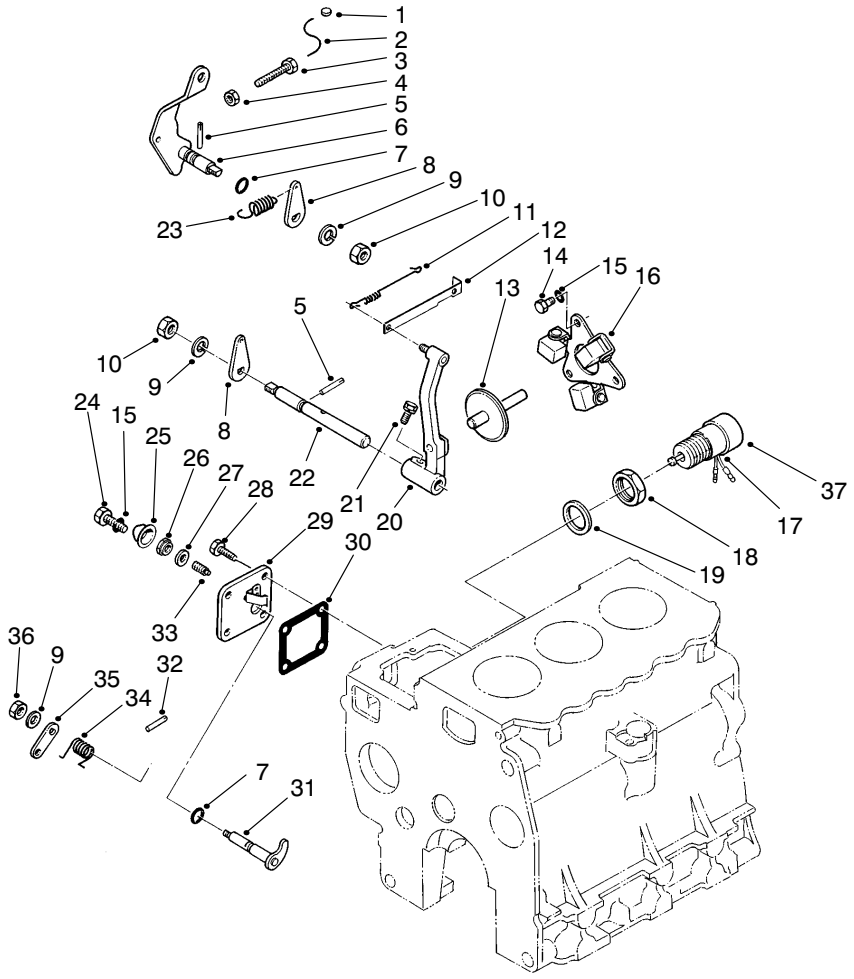
T−0433−3

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
41	56−1310	Oil Pressure Switch Assy.	1
42	67−4330	Filter Assembly − Oil	1
43	42−9480	Screw − Cap, Hex. Hd.	3
44	42−8920	Cover − Oil Pump	1
45	42−8910	Rotor Assembly − Oil Pump	1
46	42−8940	O−Ring	1
47	93−3657	Pin − Dowel	2
48	42−8900	Body − Oil Pump	1
49	42−8950	Gasket − Oil Pump Body	1
50	42−7180	Bushing − Knock	2
51	42−7170	Plug − Expansion	1
52	42−7200	Bushing − Knock	1
53	93−3409	Bearing − Ball	1
54	42−7840	Key − Sunk	1
55	42−7810	Shaft − Injection Pump Cam	1
56	42−7790	Idler Gear Assembly (Incl. Ref. #60)	1
57	42−7780	Gear − Camshaft	1
58	42−7730	Key − Woodruff	1

Ref. No.	Part No.	Description	No. Used
59	72−4280	Camshaft	1
60		Bushing − Idler Gear	1
61	42−7830	Gear − Injection Pump Cam	1
62	43−5970	Nut	1
63	43−5920	Washer − Lock	1
64	42−9580	Nut	1
65	43−0370	Shim	A/R
66	43−0380	Spacer	1
67	43−0390	Alternator (Model AH2035M4)	1
68	43−1900	Screw − Cap, Hex. Hd.	1
69	54−8660	Washer	1
70	67−4660	Screw − Cap, Flange Hd.	1
71	43−0400	Brace − Alternator	1
72	42−7190	Bushing − Knock	2
73	42−9820	Washer	1
74	56−2120	Screw − Cap Hex. Hd.	1
*	42−8850	Oil Pump Assembly (Incl. Ref. 36−40 & 44−48)	1

* Not Illustrated

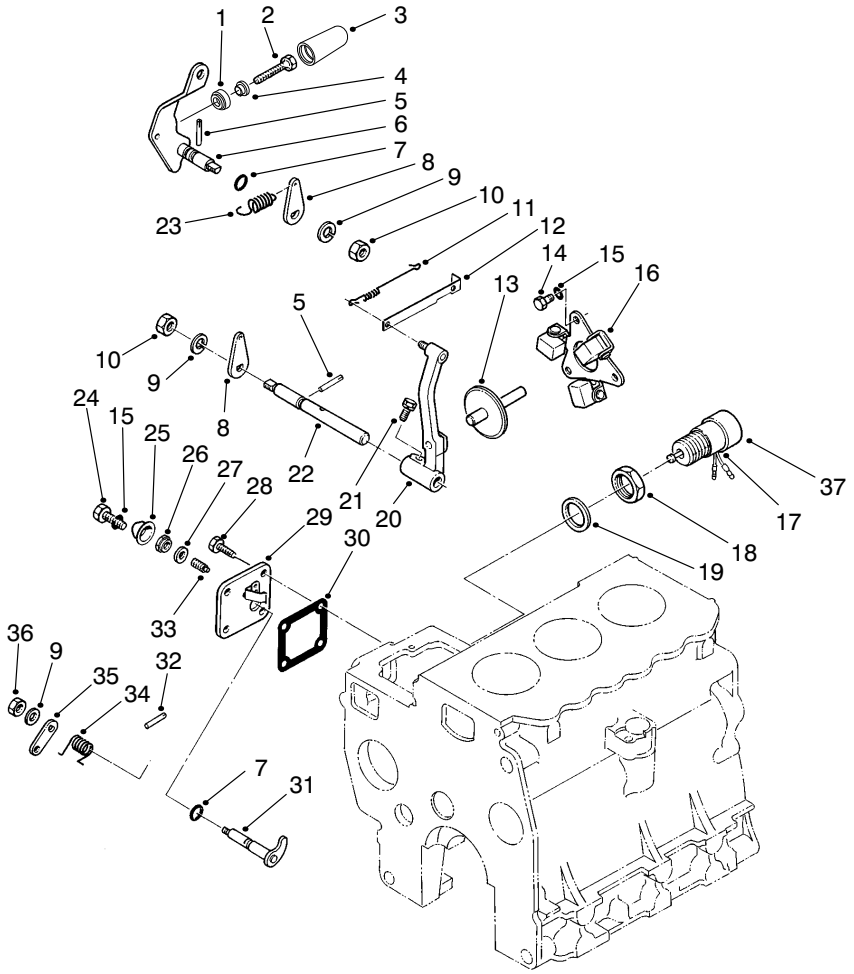


T−0434−4

ENGINE ASSEMBLY (Continued)
(Used on Serial No. 50001−60267)

Ref. No.	Part No.	Description	No. Used
1	42−8690	Metal − Sealing	1
2	42−8700	Wire	1
3	42−9420	Bolt − High Speed Set	1
4	43−2830	Nut	1
5	42−8810	Pin − Grooved	2
6	42−8780	Speed Control Lever Assy.	1
7	42−8830	O−Ring	2
8	42−8770	Lever − Governor Spring	2
9	42−9850	Washer − Lock	2
10	42−9580	Nut − Jam	2
11	42−8740	Spring − Tie Rod	1
12	42−8750	Tie Rod	1
13	42−8720	Sliding Shaft Assembly	1
14	42−9430	Screw − Cap, Hex. Hd.	3
15	43−5930	Washer − Lock	4
16	67−4040	Weight Assy. − Governor	1
17	43−2730	Solenoid − Tubular	1
18	43−2750	Nut	1
19	43−2740	Gasket	1

Ref. No.	Part No.	Description	No. Used
20	42−8730	Governor Lever Assembly	1
21	42−9450	Bolt/Washer − Assembled	1
22	42−8760	Governor Shaft	1
23	42−8820	Governor Spring	1
24	43−2800	Screw − Cap, Hex. Hd.	1
25	43−2820	Sealing Cap	1
26	43−5960	Nut − Special	1
27	43−3120	Washer − Seal	1
28	67−2560	Screw − Cap, Hex. Hd.	3
29	42−8790	Cover Assembly (Incl. Ref. #25, 27 & 33)	1
30	42−8800	Gasket Cover	1
31	44−8090	Lever Assembly Stop	1
32	42−8810	Pin − Grooved	1
33	43−3160	Screw − Adjusting	1
34	44−8100	Spring Return	1
35	43−2770	Lever − Stop	1
36	42−9640	Nut − Jam	1
37	62−6940	Cap	1



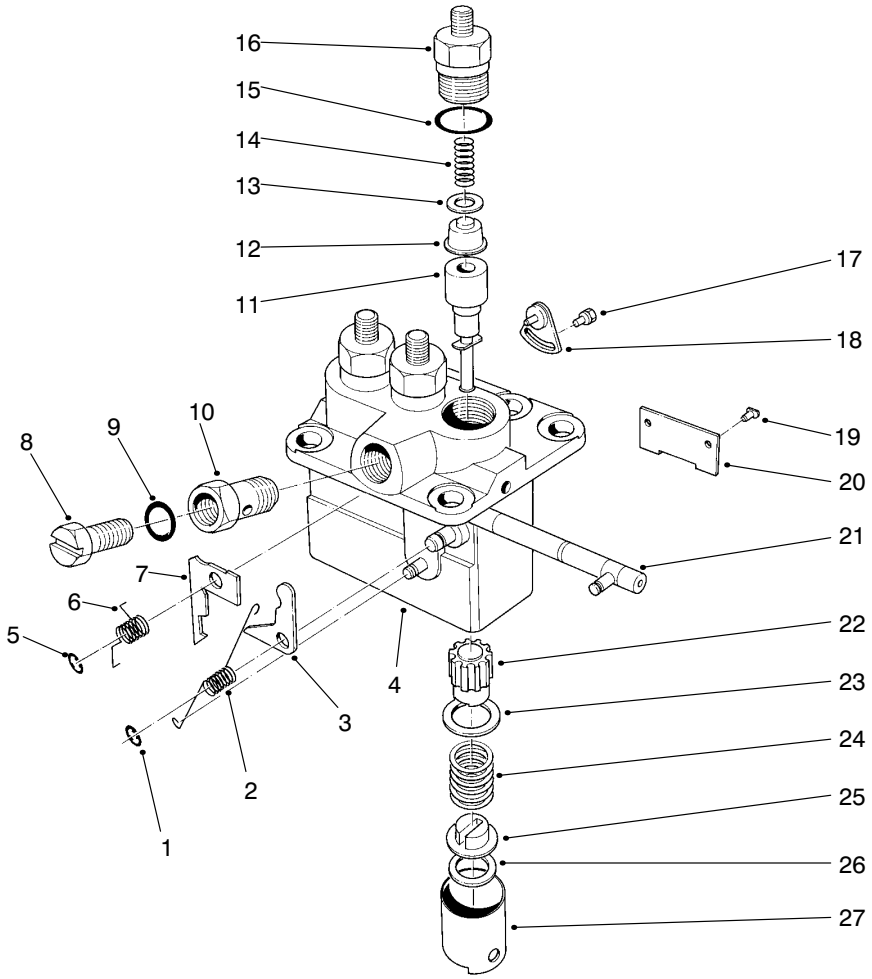
T−2434−4

ENGINE ASSEMBLY (Continued)
(Used on Serial No. 60268 & Up)

Ref. No.	Part No.	Description	No. Used
†1		C−Ring, High Speed Set	1
†2		Bolt − High Speed Set	1
†3		Cover − High Speed Set	1
†4		Nut − High Speed Set	1
5	42−8810	Pin − Grooved	2
6	42−8780	Speed Control Lever Assy.	1
7	42−8830	O−Ring	2
8	42−8770	Lever − Governor Spring	2
9	42−9850	Washer − Lock	2
10	42−9580	Nut − Jam	2
11	42−8740	Spring − Tie Rod	1
12	42−8750	Tie Rod	1
13	42−8720	Sliding Shaft Assembly	1
14	42−9430	Screw − Cap, Hex. Hd.	3
15	43−5930	Washer − Lock	4
16	67−4040	Weight Assy. − Governor	1
17	43−2730	Solenoid − Tubular	1
18	43−2750	Nut	1
19	43−2740	Gasket	1

Ref. No.	Part No.	Description	No. Used
20	42−8730	Governor Lever Assembly	1
21	42−9450	Bolt/Washer − Assembled	1
22	42−8760	Governor Shaft	1
23	42−8820	Governor Spring	1
24	43−2800	Screw − Cap, Hex. Hd.	1
25	43−2820	Sealing Cap	1
26	43−5960	Nut − Special	1
27	43−3120	Washer − Seal	1
28	67−2560	Screw − Cap, Hex. Hd.	3
29	42−8790	Cover Assembly (Incl. Ref. #25, 27 & 33)	1
30	42−8800	Gasket Cover	1
31	44−8090	Lever Assembly Stop	1
32	42−8810	Pin − Grooved	1
33	43−3160	Screw − Adjusting	1
34	44−8100	Spring Return	1
35	43−2770	Lever − Stop	1
36	42−9640	Nut − Jam	1
37	62−6940	Cap	1

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



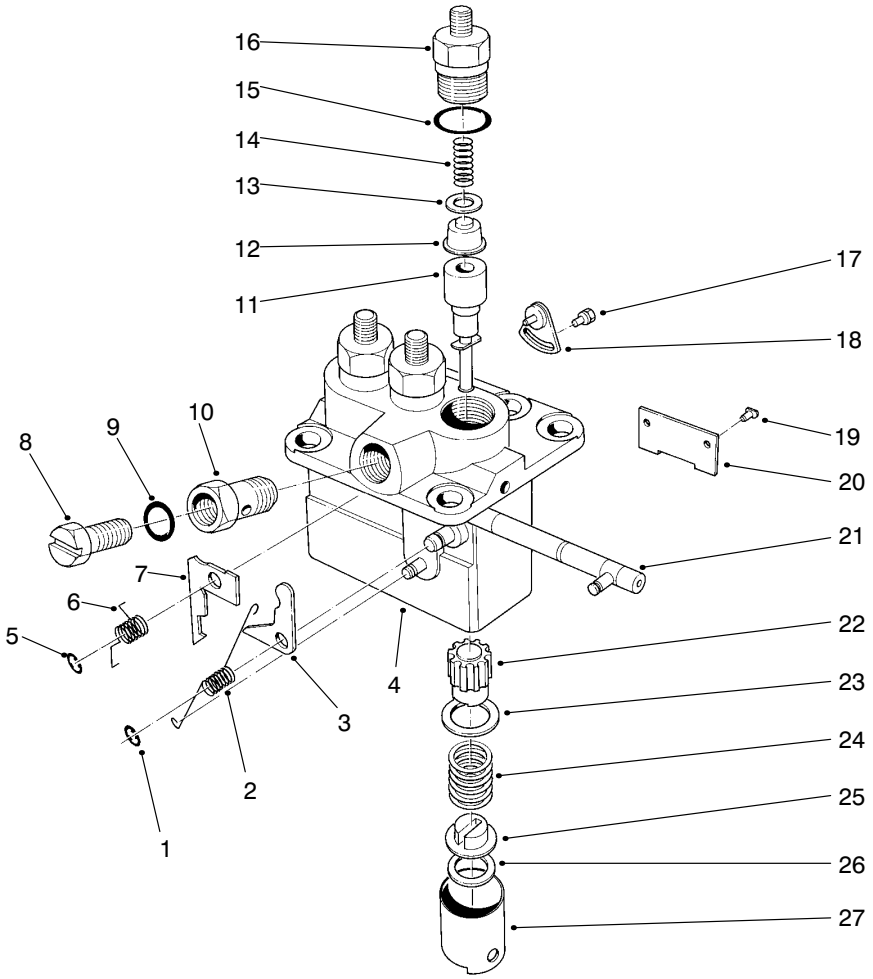
T−0435−3

FUEL INJECTION PUMP ASSEMBLY NO. 42−8000 (Used on Serial No. 50001−60267)

Ref. No.	Part No.	Description	No. Used
1	70−4240	E−Ring	1
2	43−3110	Spring − Ungleich Set	1
3	43−2910	Plate − Ungleich Set 16.9 (.665 in.) Mark 1	A/R
*	43−2920	Plate − Ungleich Set 16.8 (.661 in.) Mark 2	A/R
*	43−2930	Plate − Ungleich Set 16.7 (.657 in.) Mark 3	A/R
*	43−2940	Plate − Ungleich Set 16.6 (.654 in.) Mark 4	A/R
*	43−2950	Plate − Ungleich Set 16.5 (.650 in.) Mark 5	A/R
4		Pump Housing Sub Assy.	1
5	54−8780	E−Ring	1
6	42−8460	Spring Return	1
7	54−8700	Plate − Smoke Set 2.3 (.091 in.) Mark 60	A/R
*	43−3010	Plate − Smoke Set 2.4 (.095 in.) Mark 61	A/R
*	56−0950	Plate − Smoke Set 2.5 (.098 in.) Mark 62	A/R
*	43−3020	Plate − Smoke Set 2.6 (.102 in.) Mark 63	A/R

Ref. No.	Part No.	Description	No. Used
*7	56−0960	Plate − Smoke Set 2.7 (.106 in.) Mark 64	A/R
*	43−3030	Plate − Smoke Set 2.8 (.110 in.) Mark 65	A/R
*	56−0970	Plate − Smoke Set 2.9 (.114 in.) Mark 66	A/R
*	43−3040	Plate − Smoke Set 3.0 (.118 in.) Mark 67	A/R
*	54−8740	Plate − Smoke Set 3.1 (.122 in.) Mark 68	A/R
*	43−3050	Plate − Smoke Set 3.2 (.126 in.) Mark 69	A/R
*	54−8750	Plate − Smoke Set 3.3 (.130 in.) Mark 70	A/R
*	43−3060	Plate − Smoke Set 3.4 (.134 in.) Mark 71	A/R
*	54−8760	Plate − Smoke Set 3.5 (.138 in.) Mark 72	A/R
*	43−3070	Plate − Smoke Set 3.6 (.142 in.) Mark 73	A/R
*	54−8770	Plate − Smoke Set 3.7 (.146 in.) Mark 74	A/R

* Not Illustrated



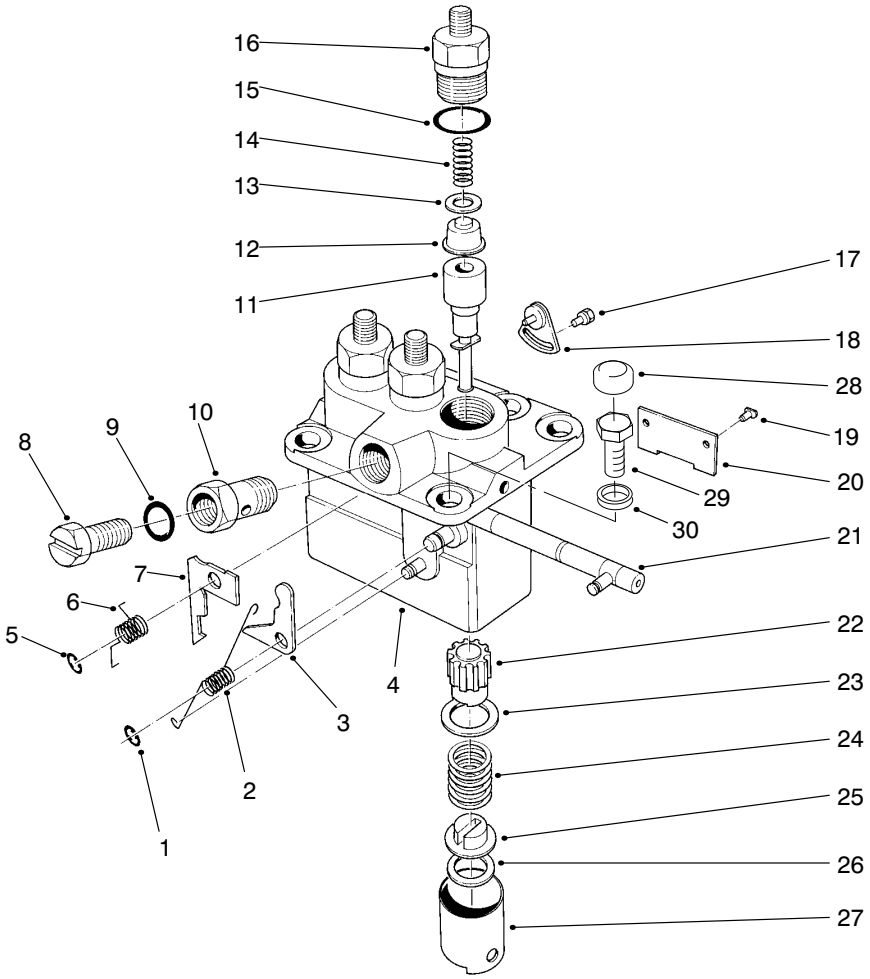
T−0435−3

FUEL INJECTION PUMP ASSEMBLY NO. 42−8000 (Cont.)
(Used on Serial No. 50001−60267)

Ref. No.	Part No.	Description	No. Used
8	42−8370	Screw − Air Breather	1
9	42−9770	Washer	1
10	42−8380	Screw − Hollow	1
11	42−8260	Element Sub Assembly	3
12	42−8250	Delivery Valve Sub Assy.	3
13	93−3465	Gasket − Delivery Valve	3
14	42−8230	Spring − Delivery Valve	3
15	93−3474	O−Ring	3
16	42−8220	Holder − Delivery Valve	3
17	43−3150	Bolt/Washer − Assembled	2
18	42−8360	Plate Assembly − Adjusting	2
19	42−8340	Pin − Tappet Guide	3
20	42−8350	Plate	1
21	42−8310	Rack Assembly − Control	1
22	42−8270	Sleeve − Plunger Control	3
23	42−8280	Seat − Spring, Upper	3
24	42−8290	Spring − Pump Plunger	3
25	42−8320	Seat − Spring, Lower	3
26	70−3970	Shim − Plate 0.6 (.0241 in.)	A/R

Ref. No.	Part No.	Description	No. Used
26	70−4070	Shim − Plate 0.2 (.008 in.)	A/R
*	70−4080	Shim − Plate 0.3 (.0121 in.)	A/R
*	70−4090	Shim − Plate 0.4 (.016 in.)	A/R
*	70−4100	Shim − Plate 0.5 (.020 in.)	A/R
*	42−8440	Shim − Plate 0.25 (.010 in.)	A/R
*	42−8450	Shim − Plate 0.35 (.014 in.)	A/R
*	43−6240	Shim − Plate 0.45 (.018 in.)	A/R
*	54−8680	Shim − Plate 0.55 (.022 in.)	A/R
*	54−8690	Shim − Plate 0.65 (.026 in.)	A/R
27	42−8300	Tappet Sub Asm.	3

* Not Illustrated



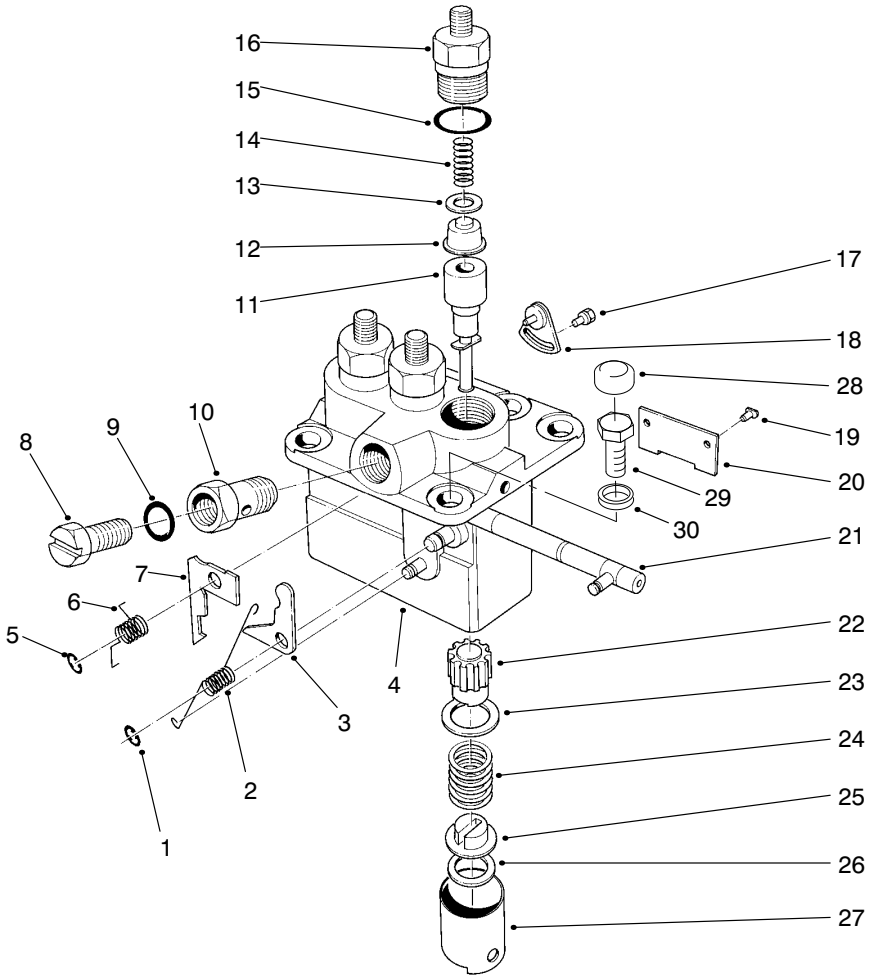
T−2435−1

FUEL INJECTION PUMP ASSEMBLY (Used on Serial No. 60268 & Up)

Ref. No.	Part No.	Description	No. Used
1	70−4240	E−Ring	1
2	43−3110	Spring − Ungleich Set	1
3	95−1566	Plate − Ungleich Set 17.0 (.669 in) Mark 6	A/R
*	95−1567	Plate − Ungleich Set 16.9 (.665 in) Mark 7	A/R
*	95−1568	Plate − Ungleich Set 16.8 (.661 in) Mark 8	A/R
*	95−1569	Plate − Ungleich Set 16.7 (.657 in) Mark 9	A/R
*	95−1570	Plate − Ungleich Set 16.6 (.654 in) Mark 10	A/R
*	95−1571	Plate − Ungleich Set 16.85 (.663 in) Mark 11	A/R
*	95−1572	Plate − Ungleich Set 16.75 (.659 in) Mark 12	A/R
4		Pump Housing Sub Assy.	1
5	54−8780	E−Ring	1
6	42−8460	Spring Return	1
7	54−8700	Plate − Smoke Set 2.3 (.091 in.) Mark 60	A/R
*	43−3010	Plate − Smoke Set 2.4 (.095 in.) Mark 61	A/R
*	56−0950	Plate − Smoke Set 2.5 (.098 in.) Mark 62	A/R

Ref. No.	Part No.	Description	No. Used
7	43−3020	Plate − Smoke Set 2.6 (.102 in.) Mark 63	A/R
*	95−1573	Plate − Smoke Set 1.2 (.047 in.) Mark 49	A/R
*	95−1574	Plate − Smoke Set 1.3 (.051 in.) Mark 50	A/R
*	95−1576	Plate − Smoke Set 1.4 (.055 in.) Mark 51	A/R
*	56−0900	Plate − Smoke Set 1.5 (.059 in.) Mark 52	A/R
*	56−0990	Plate − Smoke Set 1.6 (.063 in.) Mark 53	A/R
*	56−0910	Plate − Smoke Set 1.7 (.067 in.) Mark 54	A/R
*	56−1000	Plate − Smoke Set 1.8 (.071 in.) Mark 55	A/R
*	56−0920	Plate − Smoke Set 1.9 (.075 in.) Mark 56	A/R
*	56−1010	Plate − Smoke Set 2.0 (.079 in.) Mark 57	A/R
*	56−0930	Plate − Smoke Set 2.1 (.083 in.) Mark 58	A/R
*	43−3000	Plate − Smoke Set 2.2 (.087 in.) Mark 59	A/R
8	42−8370	Screw − Air Breather	1

* Not Illustrated

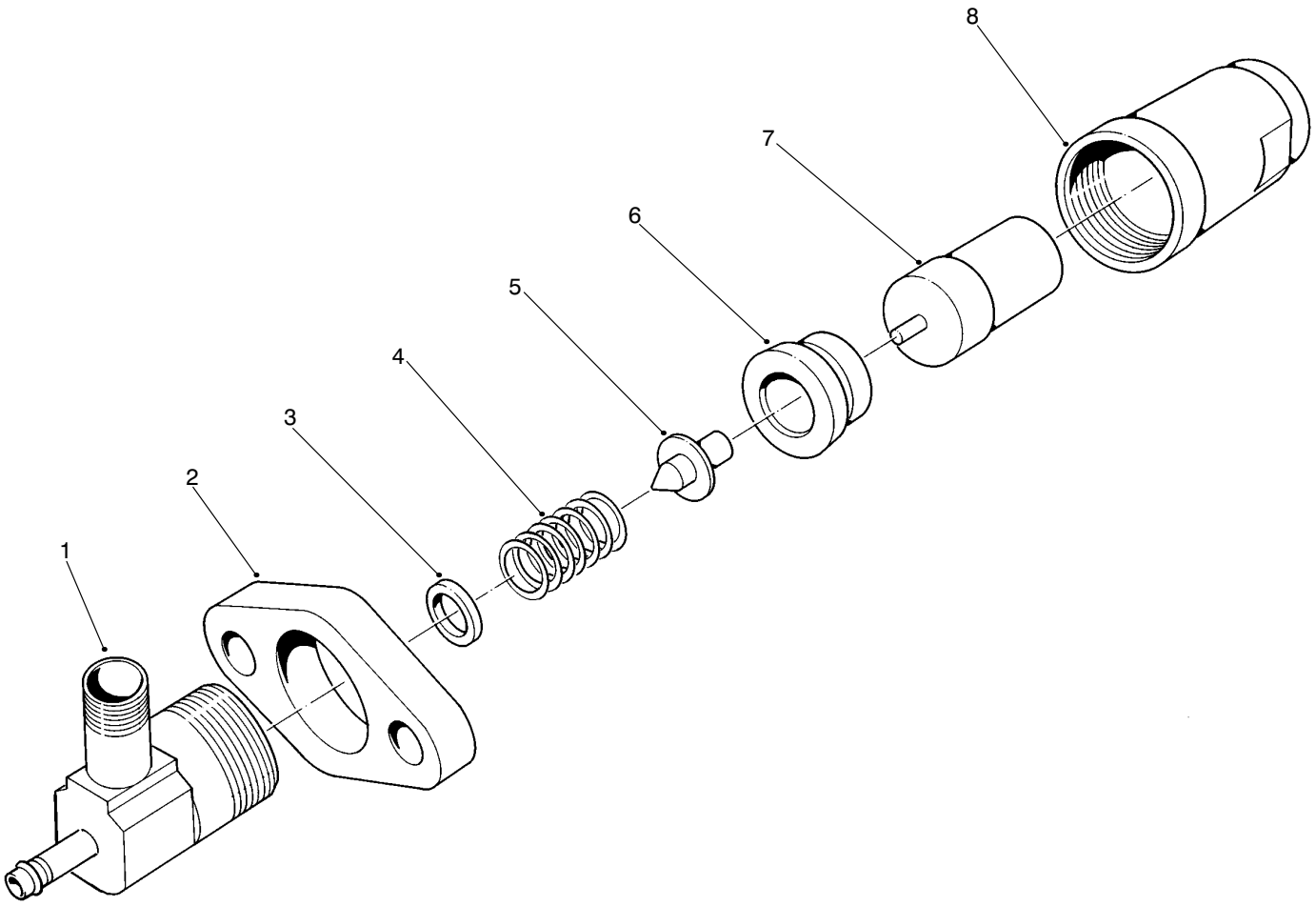


T−2435−1

FUEL INJECTION PUMP ASSEMBLY (Continued)
(Used on Serial No. 60268 & Up)

Ref. No.	Part No.	Description	No. Used
9	42−9770	Washer	1
10	42−8380	Screw − Hollow	1
11	42−8260	Element Sub Assembly	3
12	42−8250	Delivery Valve Sub Assy.	3
13	42−8240	Gasket − Delivery Valve	3
14	42−8230	Spring − Delivery Valve	3
15	42−8330	O−Ring	3
16	42−8220	Holder − Delivery Valve	3
17	43−3150	Bolt/Washer − Assembled	2
18	42−8360	Plate Assembly − Adjusting	2
19	42−8340	Pin − Tappet Guide	3
20	42−8350	Plate	1
21	42−8310	Rack Assembly − Control	1
22	42−8270	Sleeve − Plunger Control	3
23	42−8280	Seat − Spring, Upper	3
24	42−8290	Spring − Pump Plunger	3
25	42−8320	Seat − Spring, Lower	3
26	70−3970	Shim − Plate 0.6 (.0241 in.)	A/R
*	70−4070	Shim − Plate 0.2 (.008 in.)	A/R
26	70−4080	Shim − Plate 0.3 (.0121 in.)	A/R
*	70−4090	Shim − Plate 0.4 (.016 in.)	A/R
*	70−4100	Shim − Plate 0.5 (.020 in.)	A/R
*	42−8440	Shim − Plate 0.25 (.010 in.)	A/R
*	42−8450	Shim − Plate 0.35 (.014 in.)	A/R
*	43−6240	Shim − Plate 0.45 (.018 in.)	A/R
*	54−8680	Shim − Plate 0.55 (.022 in.)	A/R
*	54−8690	Shim − Plate 0.65 (.026 in.)	A/R
27	42−8300	Tappet Sub Assembly	3
†28		Cover	1
†29		Screw − Cap, Hex. Hd.	1
†30		C−Ring	1

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.
* Not Illustrated

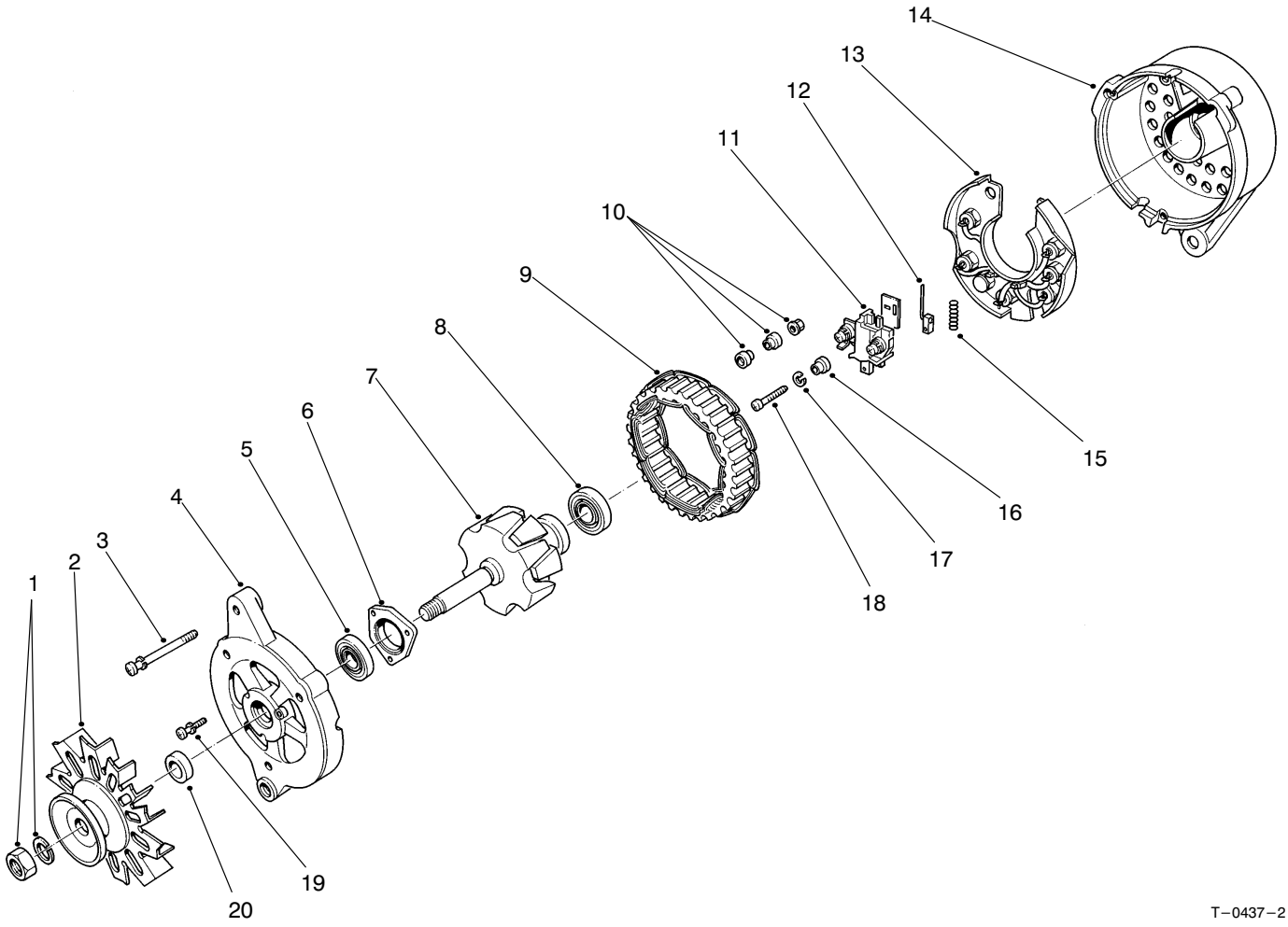


T−0436−2

NOZZLE & HOLDER ASSEMBLY NO. 44−8070

Ref. No.	Part No.	Description	No. Used
1	44−8080	Body	3
2	42−8670	Flange	3
3	42−9680	Washer	
		1.3 (.051 in.)	A/R
*	42−9690	Washer	
		1.35 (.053 in.)	A/R
*	42−9700	Washer	
		1.4 (.055 in.)	A/R
*	42−9710	Washer	
		0.9 (.035 in.)	A/R
*	42−9720	Washer	
		1.0 (.039 in.)	A/R
*3	42−9730	Washer	
		1.1 (.043 in.)	A/R
*	42−9740	Washer	
		1.2 (.047 in.)	A/R
*	42−9750	Washer	
		0.1 (.004 in.)	A/R
4	51−7500	Spring − Pressure	3
5	93−3181	Pin − Pressure	3
6	51−7520	Piece − Distance	3
7	42−8680	Nozzle Assembly	3
8	42−8650	Nut − Retaining	3

* Not Illustrated

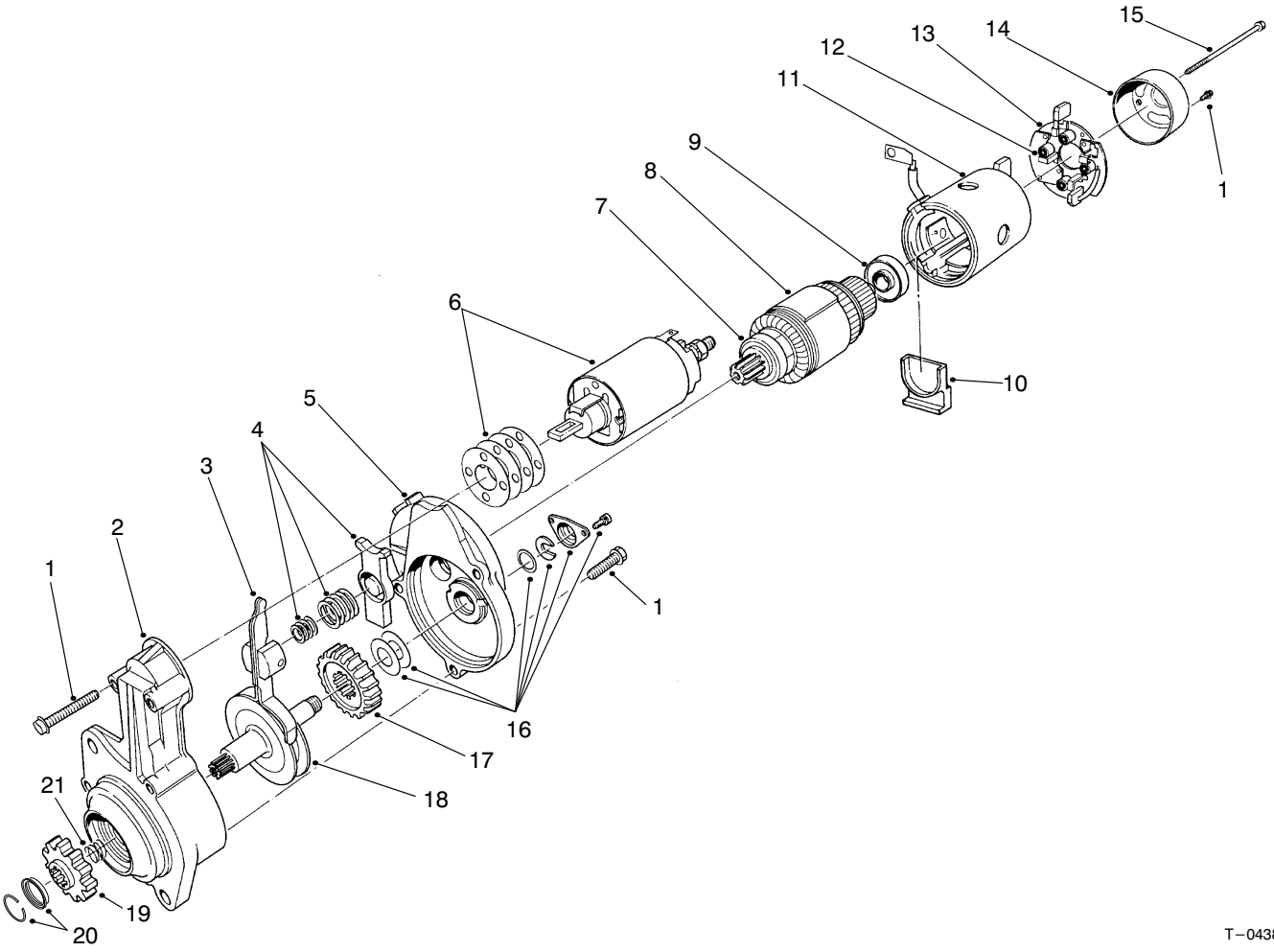


T−0437−2

ALTERNATOR ASSEMBLY NO. 43−0390

Ref. No.	Part No.	Description	No. Used
1	51−7850	Nut Set	1
2	43−0420	Pulley Assembly (Inc. Ref. #20)	1
3	43−0120	Screw − Set	1
4	43−0430	Bracket Assembly Front (Incl. Ref. #5−6 & 19)	1
5	70−3320	Bearing − Front	1
6		Plate − Bearing Retainer	1
7	51−7910	Rotor Assembly (Inc. Ref. #8)	1
8	51−7920	Bearing − Rear	1
9	43−0470	Stator	1
10	43−0080	Nut − Set	1

Ref. No.	Part No.	Description	No. Used
11	43−0490	Holder Assembly Brush (Incl. Ref. #12 & 15)	1
12	43−0500	Brush	2
13	43−0520	Rectifier Assembly	1
14	43−0480	Rear Bracket Assembly (Incl. Ref. #10−13 & 5−18)	1
15	70−2810	Spring − Brush	1
16	43−2720	Mold	1
17	43−5920	Washer − Lock	1
18	93−3654	Screw	1
19	51−7890	Screw − Set	1
20		Collar − Shaft	1



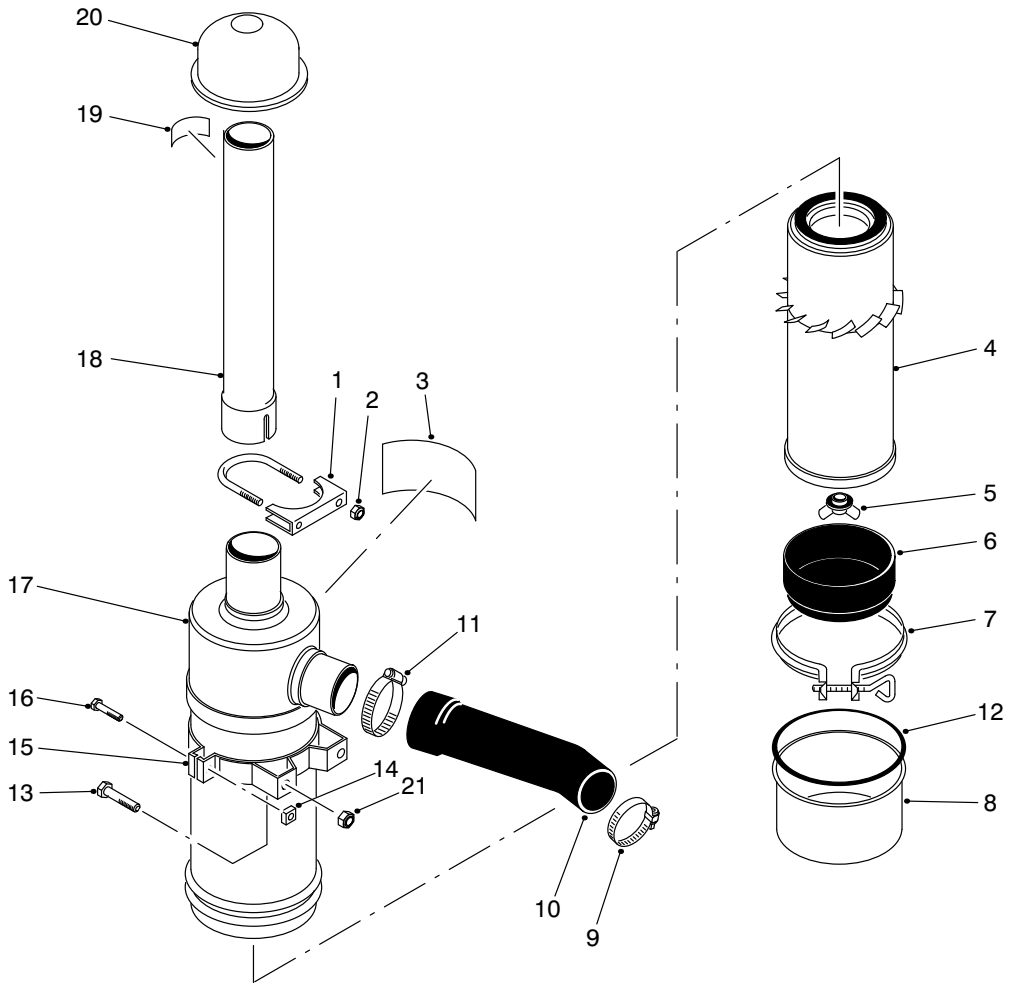
T−0438−3

STARTER ASSEMBLY NO. 46−7610

Ref. No.	Part No.	Description	No. Used
1	93−3655	Screw − Set	1
2	46−7630	Bracket Assembly − Front	1
3	46−7640	Lever Assembly	1
4	43−0190	Spring Set	1
5	46−7650	Bracket Assembly − Center	1
6	46−7660	Switch Assembly	1
7	46−7680	Bearing − Front	1
8	46−7670	Armature Set (Incl. Ref. #7 & 9)	1
9	60−5400	Bearing − Rear	1
10	46−8050	Packing	1
11	46−7780	Yoke Assembly	1
12	51−7820	Spring − Brush	4
13	51−7810	Brush Holder Assembly (Incl. Ref. #12)	1

Ref. No.	Part No.	Description	No. Used
14	51−7830	Bracket − Rear	1
15	93−3687	Bolt Set	1
16	51−7780	Cover Set	1
17	46−7760	Gear	1
18	46−7750	Shaft Assembly Pinion	1
19	46−7720	Pinion Set (Incl. Ref. #20 & 21)	1
20	51−7740	Stopper	1
21		Spring	1
*	46−7740	Gear Set (Incl. Ref. #17 & 18)	1
*	46−7710	Shaft Assembly − Clutch (Inc. Ref. #16−20)	1

* Not Illustrated

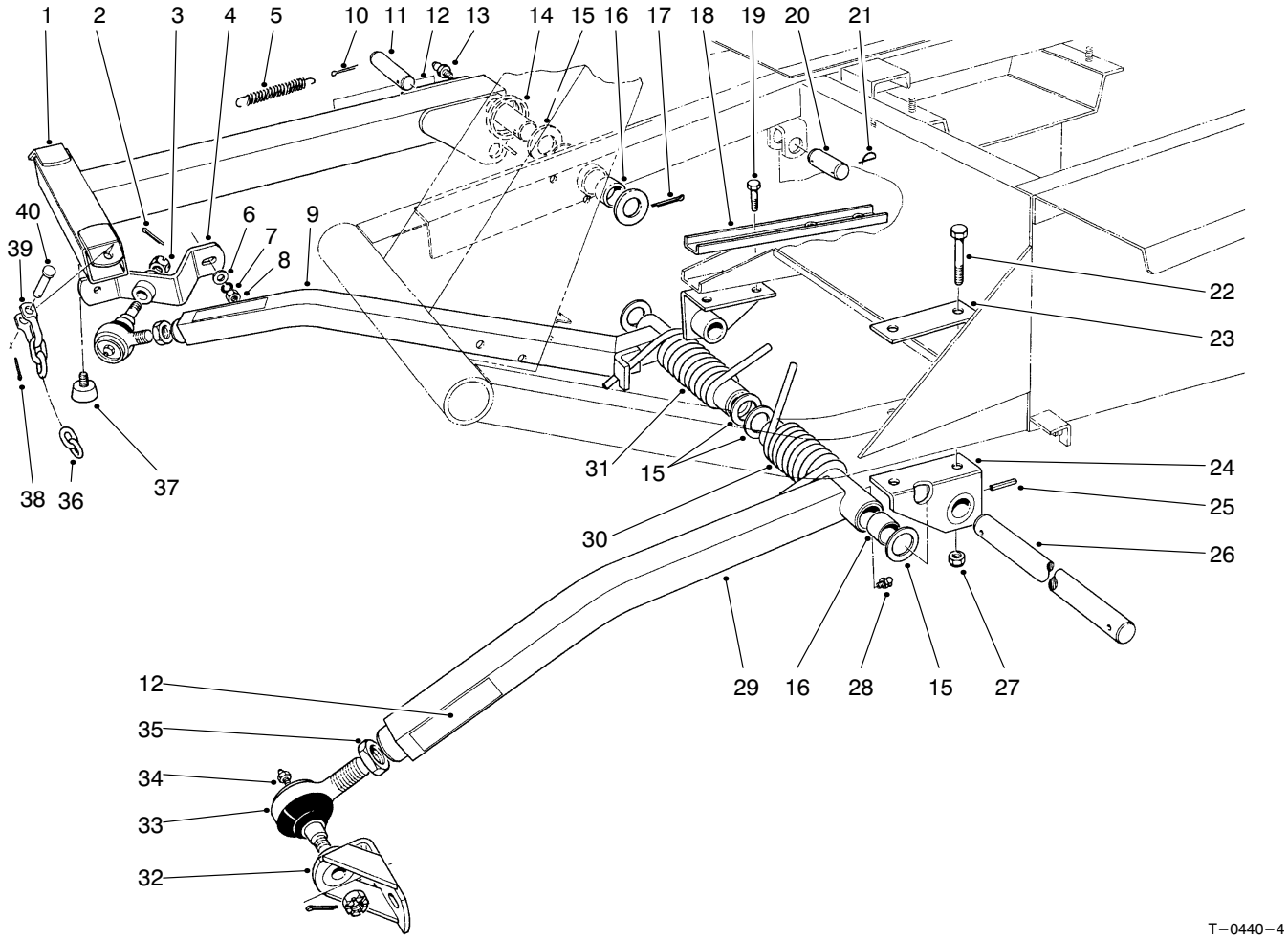


T−0439−1

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	20−4840	Muffler Clamp (Incl. Ref. #2)	1
2	3217−6	Nut	2
3	27−7160	Decal − Instructions	1
4	27−7110	Element Assembly	1
5	27−7120	Nut & Gasket Assembly	1
6	27−7140	Skirt − Baffle	1
7	27−7130	Clamp Assembly	1
8	27−7150	Cup Assembly	1
9	2412−3	Hose − Clamp	1
10	80−0060	Hose − Air Cleaner	1
11	2412−42	Hose Clamp	1

Ref. No.	Part No.	Description	No. Used
12	80−3330	Gasket	1
13	322−3	Screw − Cap, Hex. Hd.	4
14	32107−11	Nut	2
15	27−7170	Band Assy. (Incl. Ref. #14 & 16)	2
16	3258−19	Screw − Mach. Rd. Hd.	2
17	27−7100	Air Cleaner Assembly (Incl. Ref. #3−8)	1
18	43−3810	Tube − Air Cleaner	1
19	83−9150	Decal − Starting Fluid	1
20	27−7180	Cap Assembly − Air Inlet	1
21	32128−20	Nut − Flange	4

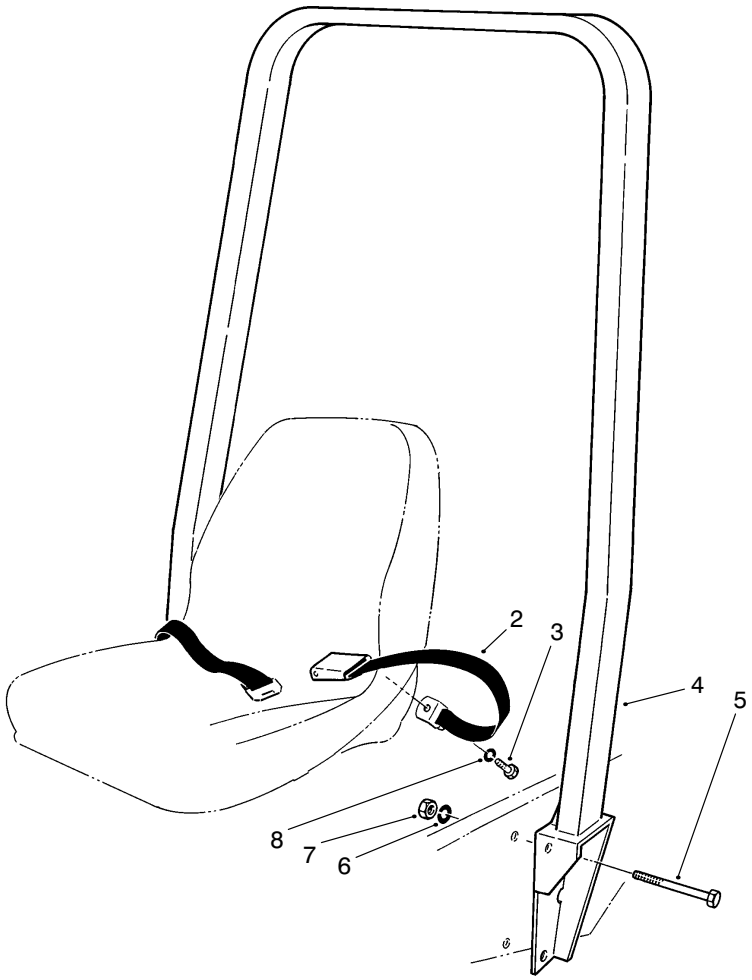


T−0440−4

PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66−6370	Lift Arm	1
2	3272−11	Pin − Cotter	2
3	32136−2	Nut	2
4	21−3020	Ball Joint Mount R.H.	1
5	21−1830	Spring Tension	1
6	3256−25	Washer − Flat	1
7	3253−6	Washer − Lock	2
8	3217−8	Nut − Full	2
9	66−7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1
10	3272−24	Cotter Pin	1
11	24−9510	Pin	1
12	55−4300	Warning Decal	3
13	302−5	Fitting − Grease	1
14	46−8840	Spring − Lift Arm	1
15	5−1754	Washer	6
16	256−126	Bushing	6
17	3272−33	Pin − Cotter	1
18	23−1950	Support − Reinforcement	1
19	324−4	Screw − Cap, Hex. Hd.	2
20	3−7292	Pin	1

Ref. No.	Part No.	Description	No. Used
21	5−3126	Pin − Spring	3
22	324−11	Screw − Cap, Hex. Hd.	2
23	21−3750	Support Plate	1
24	21−2860	Push Arm Bracket	2
25	32121−84	Pin − Roll	2
26	21−2990	Shaft − Pivot	1
27	32128−42	Nut − Flange	4
28	302−33	Fitting − Grease	2
29	21−2960	Push Arm L.H. (Incl. Ref. #16 & 28)	1
30	21−2900	Spring − Torsion L.H.	1
31	21−2890	Spring − Torsion R.H.	1
32	21−3050	Ball Joint Mount L.H.	1
33	86−8100	Ball Joint Assembly	2
34	302−5	Fitting − Grease	2
35	21−3000	Nut − Jam	2
36	3−1365	Chain − Lift	3
37	67−9800	Bumper	1
38	3272−10	Pin − Cotter	3
39	5−2942	Shackle	3
40	283−10	Pin	3



T−0927−2

ROLL OVER PROTECTION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2†	3−10287*	Seat Belt Assembly	1
3	3212−4	Screw − Cap Hex. Hd.	2
4	4−11797*	Roll Bar Assembly	1
5	328−5	Screw − Cap Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
6	3253−9	Washer − Lock	4
7	3217−12	Nut − Hex.	4
8	3253−6	Washer − Lock	2

* Obtain from Custom Products, Litchfield, MN 55355.

† Do not use without installing Roll Over Protection Unit.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3−1365	Chain − Lift	54	36	3
3−6498	Washer	8	18	A/R
3−6657	Clip	7	31	2
3−6803	Washer	36	15	A/R
3−7243	Spring − Extension	10	13	2
3−7292	Pin	54	20	1
3−8812	Spacer	8	19	1
3−10287	Seat Belt Assembly	55	2	1
4−2390	Washer	35	49	2
4−11797	Roll Bar Assembly	55	4	1
5−0652	Spacer	8	37	1
5−0652	Spacer	35	62	2
5−0701	Spring Anchor	9	52	1
5−0838	Washer − Flat	5	38	3
5−1226	Washer	24	35	A/R
5−1226	Washer	19	42	A/R
5−1747	Spring	8	21	1
5−1754	Washer	54	15	6
5−2942	Shackle	54	39	3
5−3126	Pin − Spring	54	21	3
5−3637	Washer	34	17	1
6−1659	Toggle Switch	3	19	1
7−3900	Pad − Brake	10	1	1
11−0590	Screw − Cap, Self Tapping	5	34	2
11−0590	Screw − Hex. Hd. Tapping	10	5	2
11−9760	Screw − Self Tapping	27	60	3
12−5450	Screw − Thread Forming	16	13	8
12−9990	Hour Meter	3	40	1
14−8459	Hood	5	6	1
18−1720	Ball Joint Assembly	34	3	2
18−2770	Cable − Ground	2	53	1
20−4840	Muffler Clamp	53	1	1
21−0141	Socket Assembly R.H.	10	26	1
21−0230	Pulley − P.T.O.	8	13	1
21−0400	Spring − Compression	8	48	1
21−1600	Clamp P.T.O. Lever	9	54	1
21−1820	Stud − Belt Retainer	34	42	2
21−1830	Spring − Tension	8	50	2
21−1830	Spring Tension	54	5	1
21−1880	Grip − Handle	12	35	1
21−1880	Grip Handle	8	1	1
21−2660	Footrest	1	6	1
21−2760	Pad − Foot Rest L.H.	2	48	1
21−2770	Pad − Foot Rest, R.H.	1	4	1
21−2850	Mount − R.H. Pedal	10	4	1
21−2860	Push Arm Bracket	54	24	2
21−2890	Spring − Torsion R.H.	54	31	1
21−2900	Spring − Torsion L.H.	54	30	1
21−2960	Push Arm L.H.	54	29	1
21−2990	Shaft − Pivot	54	26	1
21−3000	Nut − Jam	54	35	2
21−3020	Ball Joint Mount R.H.	54	4	1
21−3050	Ball Joint Mount L.H.	54	32	1
21−3370	Cable − R.H. Brake	10	*	1
21−3380	Cable − L.H. Brake	10	15	1
21−3600	Foam − Tank Support	15	3	1
21−3610	Foam − Tank Support	15	21	1
21−3750	Support Plate	54	23	1
21−7670	Case − Differential	17	35	1
21−7690	Gear − Pinion	16	6	2
21−7700	Shaft − Pinion, Mate	17	33	1
21−7720	Washer − Thrust	16	4	2
21−7730	Washer − Thrust	16	7	2
21−7770	Screw − Gear, Drive	17	34	5
21−7830	Cover − Gear	16	12	1
21−8020	Spacer − Bearing, Pinion Ft.	17	27	1
21−8090	Shim .003 − Diff. Adjust.	17	40	A/R
21−8100	Shim .005 − Diff. Adjust.	17	39	A/R
21−8110	Shim .010 − Diff. Adjust.	17	38	A/R
21−8120	Shim .030 − Diff. Adjust.	17	37	A/R
21−8180	Bearing	18	3	2
21−8270	Pin − Dowel	16	3	2
21−8360	Clip − Retaining	18	12	2
21−8590	Link − Valve Lever	30	27	1
21−8620	Lever Valve	30	2	1
21−8640	Latch − Valve Lever	30	7	1
21−9010	Pivot Mount − Valve Lever	30	11	1
21−9260	Cover − Dust	12	4	1
21−9370	Screw − Adjusting	18	16	2
21−9380	Nut − Pivot	18	17	2
21−9390	Socket − Adjusting Screw	18	15	2
21−9420	Spring − Shoe Return L.H.	18	19	2
21−9430	Spring − Shoe Return R.H.	18	7	2
21−9440	Spring − Adjusting Screw	18	14	2
21−9450	Dust Shield	18	5	2
21−9460	Retainer − Brake Lever	18	10	4
22−7810	Spacer	15	19	1
22−7820	Buzzer Assembly	3	36	1
22−8330	Plug	33	1	2
22−8340	Spring	33	3	2
22−8350	Ball	33	4	2
22−8360	Pin − Cam	33	6	2
22−8370	Seat − Check Valve	33	5	2
22−8380	Spring Retainer	33	10	1
22−8390	Spring Retainer	33	12	1
22−8400	Spacer Float	33	13	1
22−8410	Spring	33	11	1
22−8420	Spool	33	8	1
22−8480	Spring Ring Spool	33	14	1
22−8490	Snap Ring	33	15	1
22−8500	O−Ring	33	9	2
23−1950	Support − Reinforcement	54	18	1
23−2240	Rod − Pump Control	10	17	1
23−2270	Bushing − Rubber	10	16	1
23−5180	Dipstick	15	41	1
23−7270	Nut − Wheel	15	32	10
23−9740	Filter − Oil	26	41	1
24−6390	Stud − Battery Hold Down	1	16	2
24−6420	Hold Down − Battery	1	21	1
24−8790	Gear − Bevel, Diff. Side	16	5	2
24−8840	Ring − Wheel Bearing	18	22	2
24−9180	Strut & Lever Parking Brake	18	4	2
24−9510	Pin	54	11	1
24−9830	Support − Axle	17	44	1
25−2380	Thrust Plate	29	50	2
25−2390	Motor Valve Plate	29	57	1
25−2400	Gasket	29	59	1
25−2410	Accel. Valve Assembly	28	17	2
25−2430	Dowel Pin	29	52	2
25−2440	Pump Valve Plate	29	51	1
25−2450	Variable Swashplate	28	48	1
25−2460	Plug − Hex. Hd.	28	28	2
25−2470	Shim Pack	28	29	2
25−2480	Valve Spring	28	44	1
25−2490	Ball	28	9	2
25−2500	Trunnion Shaft	28	43	1
25−2510	Washer − Flat	28	25	2
25−2530	Headless Straight Pin	28	39	1
25−2550	Charge Pump Housing	28	34	1
25−2570	Valve Spring	28	30	1
25−2580	Trunnion Shaft	28	26	1
25−2610	Accel. Valve Spring	28	16	1
25−2630	Back−Up Ring	28	14	1
25−2640	Valve Spring	28	8	2
25−2650	Check Valve Plug	28	6	2
25−2680	Gerotor Assembly	28	38	1
25−3180	Check Valve Kit	28	11	2
25−3190	Charge Pump	28	40	1
25−3210	Lip Seal	28	24	2
25−8640	Screw − Machine	34	10	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
26−6740	Temperature Reset Relay	3	18	1
26−6750	Engine Temperature Gauge	3	15	1
27−1960	Hub − Engine	34	37	1
27−2360	Key Switch	3	10	1
27−7100	Air Cleaner Assembly	53	17	1
27−7110	Element Assembly	53	4	1
27−7120	Nut & Gasket Assembly	53	5	1
27−7130	Clamp Assembly	53	7	1
27−7140	Skirt − Baffle	53	6	1
27−7150	Cup Assembly	53	8	1
27−7160	Decal − Instructions	53	3	1
27−7170	Band Assy.	53	15	2
27−7180	Cap Assembly − Air Inlet	53	20	1
27−7290	Decal− Power Take Off	1	12	1
27−7310	Decal − Refueling	2	36	1
27−7320	Decal − Traction Pedal	1	1	1
27−7370	Brake Assembly P.T.O.	8	25	1
27−7490	Pedal − L.H. Brake	10	41	1
27−7510	Pedal − R.H. Brake	10	42	1
27−7570	Pad − Left Turn	10	38	1
27−7580	Pad − Right Turn	10	2	1
27−7590	Mount − Brake	10	34	1
27−7640	Shaft − Brake Latch	10	36	1
27−7900	Screw − Adjusting	8	35	1
27−8550	Pedal − Parking Bake	10	45	1
27−9270	Mount − Brake Pivot Shaft	10	35	1
27−9810	Seat Pivot	7	17	1
28−0650	Shaft − Flanged, Axle	18	1	2
28−0670	Seal − Oil	18	8	2
28−0680	Brake Drum	18	13	2
28−1280	Boot − Cable	1	19	1
28−5220	Wheel − Friction	10	25	1
28−9570	Lever − Pump	26	3	1
29−6120	Plate − Pump	27	56	1
29−6150	Spring − Leaf	27	55	1
29−6163	Switch − Micro	26	4	1
29−6170	Spring − Leaf, Extended	27	54	1
29−8910	Washer	36	12	2
31−0390	Disc − Friction	12	31	1
33−2570	Radiator Assembly	5	16	1
33−4380	Hub − Pump	26	23	1
37−8770	Bolt − Shoulder	34	4	1
37−9550	Strap − Fuel Tank	15	7	1
37−9650	Trim	1	27	1
38−1650	Fuel Gauge	3	5	1
38−1660	Ammeter	3	12	1
38−1670	Clamp Mounting	3	2	2
38−3400	Guard − Rubber	30	5	1
38−3400	Guard − Rubber	5	46	1
38−4550	Cover − Instruments	1	30	1
38−4600	Bar − Frame L.H.	5	22	1
38−7820	Bearing	36	5	2
39−8020	Trim − Cover, Instruments	1	33	1
41−8760	Gasket − Transmission	27	51	1
42−6080	Shim	36	30	A/R
42−6080	Shim − Axle	15	30	A/R
42−7040	Seal − Side	40	65	4
42−7050	Guide − Oil Level Gauge	42	18	1
42−7060	Seal − Oil	40	55	1
42−7080	Cap − Sealing	39	15	2
42−7080	Cap − Sealing (25)	37	30	3
42−7090	Cap − Sealing	42	17	2
42−7090	Cap − Sealing (45)	37	36	1
42−7100	Bushing − Camshaft	40	79	1
42−7110	Shaft − Idler	39	11	1
42−7120	Case − Oil Seal	40	57	1
42−7130	Gasket − Oil Seal	40	58	1
42−7150	Gasket − Front Plate	39	9	1
42−7160	Pin − Dowel	42	21	1
42−7170	Plug − Expansion	43	51	1
42−7180	Bushing − Knock	43	50	2
42−7190	Bushing − Knock	43	72	2
42−7200	Bushing − Knock	43	52	1
42−7240	Bearing Set − Crankshaft	40	*	1
42−7260	Bearing Set − Crankshaft	40	*	1
42−7270	Gauge Assy. − Oil Level	42	22	1
42−7280	Oil Pan Assembly	38	52	1
42−7290	Gasket	42	37	1
42−7290	Gasket − Oil Drain Plug (18)	37	50	1
42−7300	Gasket − Oil Pan	38	53	1
42−7310	Bearing − Needle	39	3	1
42−7320	Bearing − Needle	39	2	1
42−7340	Gasket − Gear Case	39	5	1
42−7390	Seal − Oil	40	82	1
42−7400	Plug − Taper	39	1	1
42−7420	Cap − Oil Filter	37	18	1
42−7440	Hanger − Engine	37	29	2
42−7460	Guide − Valve	37	27	6
42−7470	Gasket − Cylinder Head	38	63	1
42−7480	Glow Plug	37	28	3
42−7490	Seal − Oil	37	21	2
42−7500	Cover Assembly − Rocker	37	23	1
42−7510	Pipe	37	4	2
42−7520	Gasket − Rocker Cover	37	24	1
42−7530	Label − Engine No.	37	22	1
42−7540	Fitting − Water Outlet	37	15	1
42−7550	Gasket	37	9	2
42−7650	Connecting Rod Assembly	40	49	3
42−7660	Bearing Set	40	60	3
42−7670	Bearing Set	40	*	3
42−7680	Bearing Set	40	*	3
42−7690	Bearing Set	40	*60	3
42−7700	Gear − Crankshaft	39	10	1
42−7710	Crankshaft	40	59	1
42−7720	Pulley − Crankshaft	40	83	1
42−7730	Key − Woodruff	43	58	1
42−7730	Key − Woodruff	40	62	2
42−7740	Nipple − Hose	37	11	1
42−7780	Gear − Camshaft	43	57	1
42−7790	Idler Gear Assembly	43	56	1
42−7810	Shaft − Injection Pump Cam	43	55	1
42−7830	Gear − Injection Pump Cam	43	61	1
42−7840	Key − Sunk	43	54	1
42−7850	Retainer − Valve Spring	39	20	6
42−7860	Lock − Spring Retainer	39	21	12
42−7880	Spring − Valve	39	19	6
42−7890	Tappet	39	33	6
42−7920	Rod − Push	39	32	6
42−7930	Spring − Rocker Shaft L.H.	39	41	1
42−7940	Arm − Rocker	39	22	6
42−7950	Washer − Seat	39	24	2
42−7960	Shaft Assembly − Rocker	39	40	1
42−7970	Stay − Rocker	39	23	3
42−7980	Screw − Adjusting	39	30	6
42−7990	Ring − Snap	39	43	2
42−8000	Pump Assy. − Fuel Injection	42	2	1
42−8010	Shim − 0.2 (.008 in.)	42	15	A/R
42−8020	Shim − 0.3 (.012 in.)	42	*	A/R
42−8030	Shim − 0.4 (.016 in.)	42	15	A/R
42−8040	Shim − 0.5 (.020 in.)	42	*	A/R
42−8050	Shim − 0.6 (.024 in.)	42	*	A/R
42−8060	Shim − 0.7 (.028 in.)	42	*	A/R
42−8070	Shim − 0.8 (.032 in.)	42	*	A/R
42−8080	Shim − 0.9 (.036 in.)	42	*	A/R
42−8090	Shim − 1.0 (.039 in.)	42	*	A/R
42−8100	Collar − Union	42	4	1
42−8120	Gasket − Nozzle Holder	37	35	3
42−8130	Pipe Assy. − Fuel Injection	42	7	1
42−8140	Pipe Assy. − Fuel Injection	42	11	1
42−8150	Pipe Assy. − Fuel Injection	42	12	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42−8180	Fuel Return Pipe Assembly	42	33	1
42−8190	Joint	42	35	2
42−8220	Holder − Delivery Valve	47	16	3
42−8220	Holder − Delivery Valve	49	16	3
42−8230	Spring − Delivery Valve	47	14	3
42−8230	Spring − Delivery Valve	49	14	3
42−8240	Gasket − Delivery Valve	49	13	3
42−8250	Delivery Valve Sub Assy.	47	12	3
42−8250	Delivery Valve Sub Assy.	49	12	3
42−8260	Element Sub Assembly	47	11	3
42−8260	Element Sub Assembly	49	11	3
42−8270	Sleeve − Plunger Control	47	22	3
42−8270	Sleeve − Plunger Control	49	22	3
42−8280	Seat − Spring, Upper	47	23	3
42−8280	Seat − Spring, Upper	49	23	3
42−8290	Spring − Pump Plunger	47	24	3
42−8290	Spring − Pump Plunger	49	24	3
42−8300	Tappet Sub Asm.	47	27	3
42−8300	Tappet Sub Assembly	49	27	3
42−8310	Rack Assembly − Control	47	21	1
42−8310	Rack Assembly − Control	49	21	1
42−8320	Seat − Spring, Lower	47	25	3
42−8320	Seat − Spring, Lower	49	25	3
42−8330	O−Ring	49	15	3
42−8340	Pin − Tappet Guide	47	19	3
42−8340	Pin − Tappet Guide	49	19	3
42−8350	Plate	47	20	1
42−8350	Plate	49	20	1
42−8360	Plate Assembly − Adjusting	47	18	2
42−8360	Plate Assembly − Adjusting	49	18	2
42−8370	Screw − Air Breather	47	8	1
42−8370	Screw − Air Breather	48	8	1
42−8380	Screw − Hollow	47	10	1
42−8380	Screw − Hollow	49	10	1
42−8440	Shim − Plate	47	*	A/R
42−8440	Shim − Plate	49	*	A/R
42−8450	Shim − Plate	47	*	A/R
42−8450	Shim − Plate	49	*	A/R
42−8460	Spring Return	46	6	1
42−8460	Spring Return	48	6	1
42−8650	Nut − Retaining	50	8	3
42−8670	Flange	50	2	3
42−8680	Nozzle Assembly	50	7	3
42−8690	Metal − Sealing	44	1	1
42−8700	Wire	44	2	1
42−8720	Sliding Shaft Assembly	44	13	1
42−8720	Sliding Shaft Assembly	45	13	1
42−8730	Governor Lever Assembly	44	20	1
42−8730	Governor Lever Assembly	45	20	1
42−8740	Spring − Tie Rod	44	11	1
42−8740	Spring − Tie Rod	45	11	1
42−8750	Tie Rod	44	12	1
42−8750	Tie Rod	45	12	1
42−8760	Governor Shaft	44	22	1
42−8760	Governor Shaft	45	22	1
42−8770	Lever − Governor Spring	44	8	2
42−8770	Lever − Governor Spring	45	8	2
42−8780	Speed Control Lever Assy.	44	6	1
42−8780	Speed Control Lever Assy.	45	6	1
42−8790	Cover Assembly	44	29	1
42−8790	Cover Assembly	45	29	1
42−8800	Gasket Cover	44	30	1
42−8800	Gasket Cover	45	30	1
42−8810	Pin − Grooved	44	5	2
42−8810	Pin − Grooved	45	5	2
42−8810	Pin − Grooved	44	32	1
42−8810	Pin − Grooved	45	32	1
42−8820	Governor Spring	44	23	1
42−8820	Governor Spring	45	23	1
42−8830	O−Ring	44	7	2
42−8830	O−Ring	45	7	2
42−8850	Oil Pump Assembly	43	*	1
42−8900	Body − Oil Pump	43	48	1
42−8910	Rotor Assembly − Oil Pump	43	45	1
42−8920	Cover − Oil Pump	43	44	1
42−8930	Spring − Relief	42	39	1
42−8940	O−Ring	43	46	1
42−8950	Gasket − Oil Pump Body	43	49	1
42−8960	Driven Unit − Speedometer	41	*	1
42−8970	Pin − Spring	39	35	1
42−8980	Sleeve − Gear	39	36	1
42−8990	O−Ring	39	37	1
42−9010	O−Ring	39	34	1
42−9020	Plate − Locking	40	63	1
42−9070	Pulley − Water Pump	38	56	1
42−9080	Water Pump Assembly	38	60	1
42−9090	Gasket − Water Pump	38	61	1
42−9100	Belt Fan	34	21	1
42−9110	Gasket	37	41	1
42−9120	Intake Manifold Assembly	37	6	1
42−9140	Gasket − Intake Manifold	37	7	1
42−9150	Pipe Inlet	37	3	1
42−9160	Gasket − Inlet Pipe	37	5	1
42−9170	Gasket − Exhaust Manifold	37	39	1
42−9180	Wire − Glow Plug Lead	37	26	2
42−9190	Glow Lamp	3	14	1
42−9200	Complete Gasket Set	38	*	1
42−9210	Bolt − Bearing Cap	40	67	8
42−9220	Screw − Cap, Hex. Hd.	40	56	6
42−9230	Screw − Cap (8 x 16)	37	51	15
42−9230	Screw − Cap, Hex. Hd.	42	32	2
42−9230	Screw − Cap, Hex. Hd.	36	34	1
42−9230	Screw − Cap, Hex. Hd.	40	81	3
42−9240	Screw − Cap (12 x 28)	37	44	3
42−9250	Screw − Cap, Hex. Hd.	39	14	4
42−9260	Plug − Oil Drain	37	49	1
42−9300	Screw −Cap (10 x 20)	38	64	2
42−9310	Screw − Cap, Hex. Hd.	37	1	4
42−9320	Bolt − Cylinder Head	37	31	8
42−9350	Screw − Cap, Hex. Hd.	39	27	2
42−9360	Bolt	39	26	2
42−9370	Screw − Cap, Hex. Hd.	39	42	1
42−9390	Bolt (8 x 32)	37	33	6
42−9420	Bolt − High Speed Set	44	3	1
42−9430	Screw − Cap, Hex. Hd.	44	14	3
42−9430	Screw − Cap, Hex. Hd.	45	14	3
42−9440	Screw − Cap, Hex. Hd.	39	39	1
42−9450	Bolt/Washer − Assembled	44	21	1
42−9450	Bolt/Washer − Assembled	45	21	1
42−9480	Screw − Cap, Hex. Hd.	43	43	3
42−9490	Screw − Cap (6 x 12)	38	58	4
42−9500	Screw − Cap (8 x 45)	38	55	3
42−9500	Screw − Cap, Hex. Hd.	41	87	8
42−9510	Screw − Cap (8 x 60)	38	59	1
42−9510	Screw − Cap, Hex. Hd.	34	46	2
42−9520	Screw − Cap (8 x 30)	37	43	5
42−9530	Screw − Cap (8 x 40)	38	66	1
42−9570	Stud (8 x 25)	37	38	5
42−9580	Nut	34	19	2
42−9580	Nut	36	20	4
42−9580	Nut	43	64	1
42−9580	Nut (8)	37	19	3
42−9580	Nut − Jam	44	10	2
42−9580	Nut − Jam	45	10	2
42−9590	Nut − Connecting Rod	40	61	6
42−9600	Washer − Lock	22	9	28
42−9600	Washer − Lock	36	25	4
42−9600	Washer − Lock	34	40	3
42−9600	Washer − Lock	38	65	2
42−9600	Washer − Lock	38	67	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
42−9600	Washer − Lock M10	20	42	24
42−9600	Washer − Spring	39	25	3
42−9620	Nut − Jam	39	29	6
42−9640	Nut − Jam	44	36	1
42−9640	Nut − Jam	45	36	1
42−9660	Washer − Flat	42	23	6
42−9660	Washer − Plain (8)	38	54	4
42−9680	Washer	50	3	A/R
42−9690	Washer	50	*	A/R
42−9700	Washer	50	*	A/R
42−9710	Washer	50	*	A/R
42−9720	Washer	50	*	A/R
42−9730	Washer	50	*3	A/R
42−9740	Washer	50	*	A/R
42−9750	Washer	50	*	A/R
42−9770	Washer	47	9	1
42−9770	Washer	49	9	1
42−9790	Washer − Head Bolt	37	32	8
42−9800	Washer	37	20	2
42−9810	Washer − Flat	41	86	1
42−9820	Washer	43	73	1
42−9830	Washer − Seal	42	3	2
42−9850	Washer − Lock	37	2	24
42−9850	Washer − Lock	39	7	5
42−9850	Washer − Lock	44	9	2
42−9850	Washer − Lock	45	9	2
42−9850	Washer − Lock	42	31	7
42−9850	Washer − Lock M8	20	34	8
42−9850	Washer − Lock, M8	22	29	28
42−9860	Washer −Spring	40	85	1
43−0080	Nut − Set	51	10	1
43−0090	Screw − Cap (10 x 25)	37	48	2
43−0120	Screw − Set	51	3	1
43−0190	Spring Set	52	4	1
43−0370	Shim	43	65	A/R
43−0380	Spacer	43	66	1
43−0390	Alternator	43	67	1
43−0400	Brace − Alternator	43	71	1
43−0410	Regulator Assembly	3	25	1
43−0420	Pulley Assembly	51	2	1
43−0430	Bracket Assembly Front	51	4	1
43−0470	Stator	51	9	1
43−0480	Rear Bracket Assembly	51	14	1
43−0490	Holder Assembly Brush	51	11	1
43−0500	Brush	51	12	2
43−0520	Rectifier Assembly	51	13	1
43−1440	Engine	34	13	1
43−1710	Valve Assembly	30	13	1
43−1730	Body	33	7	1
43−1770	Plate − Rear	37	46	1
43−1790	Fitting − Thermostat	37	10	1
43−1800	Flywheel	40	53	1
43−1810	Gear − Ring	40	54	1
43−1870	Manifold − Exhaust	37	42	1
43−1880	Control Unit Assembly	3	27	1
43−1900	Screw − Cap, Hex. Hd.	43	68	1
43−1911	Fan − Cooling	36	1	1
43−1940	Adapter − Temp. Gauge	34	11	1
43−2550	Filter	6	15	1
43−2560	Gasket	6	16	1
43−2570	Gasket	6	14	1
43−2580	Magnet	6	17	1
43−2600	Capscrew	42	10	2
43−2710	O−Ring	42	19	1
43−2720	Mold	51	16	1
43−2730	Solenoid − Tubular	44	17	1
43−2730	Solenoid − Tubular	45	17	1
43−2740	Gasket	44	19	1
43−2740	Gasket	45	19	1
43−2750	Nut	44	18	1
43−2750	Nut	45	18	1
43−2770	Lever − Stop	44	35	1
43−2770	Lever − Stop	45	35	1
43−2800	Screw − Cap, Hex. Hd.	44	24	1
43−2800	Screw − Cap, Hex. Hd.	45	24	1
43−2820	Sealing Cap	44	25	1
43−2820	Sealing Cap	45	25	1
43−2830	Nut	44	4	1
43−2910	Plate − Ungleich Set	46	3	A/R
43−2920	Plate − Ungleich Set	46	*	A/R
43−2930	Plate − Ungleich Set	46	*	A/R
43−2940	Plate − Ungleich Set	46	*	A/R
43−2950	Plate − Ungleich Set	46	*	A/R
43−3000	Plate − Smoke Set	48	*	A/R
43−3010	Plate − Smoke Set	46	*	A/R
43−3010	Plate − Smoke Set	48	*	A/R
43−3020	Plate − Smoke Set	46	*	A/R
43−3020	Plate − Smoke Set	48	7	A/R
43−3030	Plate − Smoke Set	46	*	A/R
43−3040	Plate − Smoke Set	46	*	A/R
43−3050	Plate − Smoke Set	46	*	A/R
43−3060	Plate − Smoke Set	46	*	A/R
43−3070	Plate − Smoke Set	46	*	A/R
43−3110	Spring − Ungleich Set	46	2	1
43−3110	Spring − Ungleich Set	48	2	1
43−3120	Washer − Seal	44	27	1
43−3120	Washer − Seal	45	27	1
43−3130	Hose − Water	37	13	1
43−3140	Clamp − Hose	37	12	2
43−3150	Bolt/Washer − Assembled	47	17	2
43−3150	Bolt/Washer − Assembled	49	17	2
43−3160	Screw − Adjusting	44	33	1
43−3160	Screw − Adjusting	45	33	1
43−3190	Screw − Cap, Hex. Hd.	34	41	3
43−3200	Screw − Cap, Hex. Hd.	36	24	4
43−3210	Screw − Cap, Hex. Hd.	34	28	4
43−3320	Foam − Radiator	5	20	2
43−3330	Radiator Shroud	5	14	1
43−3340	Grille − Sealing Plate	5	32	1
43−3350	Hose − Upper, Radiator	5	12	1
43−3510	Pulley − Engine	34	27	1
43−3530	Pulley Flywheel	36	26	1
43−3690	Fan − Shaft	36	2	1
43−3700	Hub−Fan	36	4	1
43−3720	Collar − Bearing	34	32	1
43−3730	Bracket Throttle Control	35	52	1
43−3760	Lever − Throttle	35	54	1
43−3770	Link − Throttle	34	1	1
43−3780	Swivel − Throttle Control	34	9	1
43−3790	Bracket − Belt Guide	34	48	1
43−3810	Tube − Air Cleaner	53	18	1
43−3820	Spacer	3	34	1
43−3850	Muffler	36	17	1
43−3860	Shaft − Pivot P.T.O.	8	9	1
43−3870	Support − Muffler	36	8	1
43−3880	Pulley	36	10	1
43−3900	Guard − Fan Belt	7	5	1
43−3970	Panel − Instrument	3	16	1
43−3980	Decal − Panel, Instrument	3	46	1
43−3990	Throttle Control	3	23	1
43−4000	Circuit Breaker	3	21	1
43−4010	Wire Assembly	4	4	2
43−4040	Wire Assembly	4	3	1
43−4150	Fuel Tank	15	4	1
43−4160	Fitting − Return & Vent	15	13	1
43−4190	Fitting Assembly	15	28	1
43−4230	Hose	35	56	1
43−4230	Hose − Return	15	15	1
43−4300	Trim − Frame, Rear	2	35	2
43−5500	Pivot P.T.O.	8	31	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
43−5540	Shaft − P.T.O.	8	43	1
43−5550	Shaft − P.T.O. Actuator	8	32	1
43−5570	Arm − P.T.O. Actuator	8	38	1
43−5630	Yoke − P.T.O.	8	51	1
43−5690	Hose − Vent, Fuel Tank	15	16	1
43−5910	V−Belt	36	11	1
43−5920	Washer − Lock	51	17	1
43−5920	Washer − Lock	43	63	1
43−5930	Washer − Lock	42	9	1
43−5930	Washer − Lock	22	14	12
43−5930	Washer − Lock	44	15	4
43−5930	Washer − Lock	45	15	4
43−5930	Washer − Lock	39	28	2
43−5930	Washer − Lock	38	57	4
43−5930	Washer − Lock	35	64	2
43−5950	Washer − Lock	34	26	4
43−5960	Nut − Special	44	26	1
43−5960	Nut − Special	45	26	1
43−5970	Nut	43	62	1
43−6240	Shim − Plate	47	*	A/R
43−6240	Shim − Plate	49	*	A/R
43−6470	Nut	40	84	1
43−6710	Shim .003 − Diff. Adjust.	16	15	A/R
43−6711	Shim .005 − Diff. Adjust.	16	16	A/R
43−6712	Shim .010 − Diff. Adjust.	16	17	A/R
43−6713	Shim .030 − Diff. Adjust.	16	18	A/R
43−6750	Cup − Bearing, Tapered	16	10	1
43−6760	Cone − Bearing, Tapered	16	9	1
43−6810	Torque − Spider	18	6	2
43−6840	Housing − Lower	17	36	1
43−7020	Hose − Lower, Radiator	5	19	1
43−8600	Spring − Compression	7	25	1
43−8600	Spring − Compression	9	66	1
43−8610	Guide − Spring & Ball Seat	8	5	1
43−8610	Guide − Spring & Ball Seat	7	24	1
43−8620	Guide − Switch Pin	7	27	1
43−8620	Guide − Switch Pin	9	68	1
43−8860	Plunger − Switch	7	26	1
43−8860	Plunger − Switch	9	67	1
43−8870	Boot − Switch	7	30	1
43−8870	Boot − Switch	9	71	1
43−9071	Assembly − Switch	7	*	1
43−9071	Assembly − Switch	9	*	1
44−2210	Warning Light	3	8	1
44−2220	Wire Lead	3	6	1
44−2230	Coupling − Rubber	26	26	4
44−8070	Nozzle & Holder Assembly	37	34	3
44−8080	Body	50	1	3
44−8090	Lever Assembly Stop	44	31	1
44−8090	Lever Assembly Stop	45	31	1
44−8100	Spring Return	44	34	1
44−8100	Spring Return	45	34	1
46−7610	Starter Assembly	37	47	1
46−7630	Bracket Assembly − Front	52	2	1
46−7640	Lever Assembly	52	3	1
46−7650	Bracket Assembly − Center	52	5	1
46−7660	Switch Assembly	52	6	1
46−7670	Armature Set	52	8	1
46−7680	Bearing − Front	52	7	1
46−7710	Shaft Assembly − Clutch	52	*	1
46−7720	Pinion Set	52	19	1
46−7740	Gear Set	52	*	1
46−7750	Shaft Assembly Pinion	52	18	1
46−7760	Gear	52	17	1
46−7780	Yoke Assembly	52	11	1
46−8050	Packing	52	10	1
46−8400	Bearing − Needle	29	53	2
46−8410	Motor Shaft	29	58	1
46−8810	Stop − Leaf, Spring	26	6	1
46−8840	Spring − Lift Arm	54	14	1
47−7420	Hose	35	55	1
48−1800	Cylinder Block Kit	28	5	2
48−1980	Gasket	40	78	1
48−1990	Nut − Jam	40	77	1
48−2010	Screen − Assembly Oil	40	76	1
48−2020	Cylinder Block Sub Assy.	38	62	1
48−7630	Screw − Cap Hex. Hd.	35	63	2
48−7710	Screw − Cap, M8 x 20	22	39	4
48−7730	Screw − HH	19	46	4
48−7780	Screw − Cap, Hex. Hd.	19	16	8
48−7960	Nut	19	27	2
48−9220	Washer − Flat	19	17	8
48−9460	Bolt − Hex. Hd.	20	35	4
48−9460	Screw − Cap, M8 x 25	22	28	20
48−9470	Bolt − M10 x 30	21	43	24
48−9470	Screw − Cap, M10 x 30	22	10	4
49−8520	Kit − Implement Relief	29	63	1
51−7500	Spring − Pressure	50	4	3
51−7520	Piece − Distance	50	6	3
51−7740	Stopper	52	20	1
51−7780	Cover Set	52	16	1
51−7810	Brush Holder Assembly	52	13	1
51−7820	Spring − Brush	52	12	4
51−7830	Bracket − Rear	52	14	1
51−7850	Nut Set	51	1	1
51−7890	Screw − Set	51	19	1
51−7910	Rotor Assembly	51	7	1
51−7920	Bearing − Rear	51	8	1
52−1321	Decal − Fuel, Diesel	2	34	1
53−4430	Decal − Oil	15	42	1
53−8150	Pump Assy. Fuel, Electric	6	13	1
53−9480	Washer	36	28	2
53−9480	Washer	34	39	2
53−9660	V−Belt Torque Team	8	12	1
53−9680	Engine Mount − Rubber	34	23	2
53−9680	Engine Mount − Rubber	36	29	2
53−9710	Engine Mount	34	22	2
53−9750	Fan Mount	36	6	1
54−7890	Pump Housing	28	22	1
54−8660	Washer	43	69	1
54−8670	Bolt − Flywheel	40	52	5
54−8680	Shim − Plate	47	*	A/R
54−8680	Shim − Plate	49	*	A/R
54−8690	Shim − Plate	47	*	A/R
54−8690	Shim − Plate	49	*	A/R
54−8700	Plate − Smoke Set	46	7	A/R
54−8700	Plate − Smoke Set	48	7	A/R
54−8740	Plate − Smoke Set	46	*	A/R
54−8750	Plate − Smoke Set	46	*	A/R
54−8760	Plate − Smoke Set	46	*	A/R
54−8770	Plate − Smoke Set	46	*	A/R
54−8780	E−Ring	46	5	1
54−8780	E−Ring	48	5	1
54−9180	Kit − Universal Joint	23	2	2
54−9290	Bracket	26	37	2
54−9300	Cover − Pump Shaft	27	66	1
55−3572	Fuel Cap	15	18	1
55−4300	Warning Decal	54	12	3
56−0220	Pin − Dowel	39	13	2
56−0750	Clamp	42	8	2
56−0760	Clamp	42	13	2
56−0900	Plate − Smoke Set	48	*	A/R
56−0910	Plate − Smoke Set	48	*	A/R
56−0920	Plate − Smoke Set	48	*	A/R
56−0930	Plate − Smoke Set	48	*	A/R
56−0950	Plate − Smoke Set	46	*	A/R
56−0950	Plate − Smoke Set	48	*	A/R
56−0960	Plate − Smoke Set	46	*7	A/R
56−0970	Plate − Smoke Set	46	*	A/R
56−0990	Plate − Smoke Set	48	*	A/R

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
56−1000	Plate − Smoke Set	48	*	A/R
56−1010	Plate − Smoke Set	48	*	A/R
56−1310	Oil Pressure Switch Assy.	43	41	1
56−2120	Screw − Cap Hex. Hd.	43	74	1
56−2460	Washer − Flat	24	36	A/R
56−2460	Washer − Flat	19	41	A/R
60−5400	Bearing − Rear	52	9	1
60−9760	Nut	31	7	1
60−9760	Nut − Hex	32	7	1
60−9770	Piston	31	6	1
60−9780	Head	31	5	1
61−4960	Repair Kit	31	3	1
61−4980	Shaft − w/Clevis	31	2	1
61−4990	Ring − Retaining	31	4	1
62−3010	Bracket, R.H.	7	4	1
62−3020	Bracket, L.H.	7	10	1
62−3740	Plate − Front	39	6	1
62−4250	Cylinder − Hydraulic	30	21	1
62−4260	Drive Shaft Assembly	8	44	1
62−6840	Sender − Fuel Level	15	12	1
62−6940	Cap	44	37	1
62−6940	Cap	45	37	1
62−7020	23x10.5x12 Tire Assembly	15	*	2
62−7650	Gasket	15	8	1
63−1400	Belt Guide	35	58	1
63−7590	Relay	3	42	1
63−8280	Head Assembly	6	5	1
63−8290	Vent	6	3	1
63−8300	Element − Fuel Filter	6	10	1
63−8310	Drain Valve	6	11	1
63−8360	Key	3	11	1
63−8960	Hose Assembly	5	30	1
63−8970	Hose − Trans. to Steering	12	14	1
63−8980	Hose − Aux. to Valve	12	22	1
63−8990	Hose	30	15	1
63−8990	Hose	12	23	1
63−9010	Hose Assembly	5	24	1
63−9230	Battery − Type MF214−78	1	15	1
63−9260	Manifold − Valve	30	17	1
63−9640	Hose − Fuel	15	27	1
63−9650	Hose	6	20	1
63−9720	Hose	6	7	1
66−1250	Cylinder − Hydraulic	30	*	1
66−1930	Nut	25	10	1
66−3160	Screw − Cap, Hex. Hd.	42	14	3
66−3160	Screw − Cap, Hex. Hd.	42	14	4
66−3240	Radiator Cap Assy.	5	4	1
66−5310	Idler Pulley	36	18	1
66−5320	Spacer	36	19	1
66−6140	Decal − Toro	5	7	1
66−6370	Lift Arm	54	1	1
66−6390	Decal − Caution	1	5	1
66−7030	Screw − Cap, w/Washer	36	32	2
66−7150	Push Arm R.H.	54	9	1
66−9760	Nut − Hex.	12	2	1
66−9970	Spring Kit	13	*	1
66−9980	Seal Kit	13	*	1
66−9990	Needle Roller Kit	13	*	1
67−1710	Decal − Caution	1	28	1
67−1720	Decal − Torque	2	44	2
67−1750	Bushing	19	13	2
67−2340	Screw − Cap, w/Washer	39	8	2
67−2390	Plug − Taper	39	12	3
67−2390	Plug − Taper	42	36	1
67−2500	Plunger − Relief	42	40	1
67−2520	Plug	42	38	1
67−2560	Screw − Cap, Hex. Hd.	44	28	3
67−2560	Screw − Cap, Hex. Hd.	45	28	3
67−2570	Plug − Taper	42	25	1
67−2570	Plug − Taper 1/8	37	37	1
67−2860	Bolt − Connecting Rod	40	50	6
67−4040	Weight Assy. − Governor	44	16	1
67−4040	Weight Assy. − Governor	45	16	1
67−4330	Filter Assembly − Oil	43	42	1
67−4660	Screw − Cap, Flange Hd.	43	70	1
67−5450	Piston	32	6	I
67−5460	Head	32	5	1
67−5470	Ring − Retaining	32	4	1
67−5480	Shaft	32	2	1
67−5500	Repair Kit	32	3	1
67−8020	Pump Shaft	28	20	1
67−8050	Bearing − Needle	28	35	1
67−8190	Bracket − Engine Support	7	12	2
67−8690	Support − Column	12	7	1
67−8960	Weight − Rear	24	11	1
67−9030	Grille	5	36	1
67−9080	Housing − Motor	28	4	1
67−9090	Plug	28	42	2
67−9100	Gasket	28	10	1
67−9800	Bumper	54	37	1
68−5140	Cap − Wheel, Steering	12	46	1
68−5370	Decal − Toro	12	1	1
68−6824	Rear Axle Assembly	19	1	1
68−6870	Rod End	19	7	1
68−6910	Arm − R.H., Steering	19	2	1
68−6930	Arm − L.H., Steering	19	18	1
68−6990	Stop − Oscillation	19	15	2
68−7010	Flange	16	22	1
68−8610	Fender − Extension	2	45	1
68−8660	Elbow − Fitting	26	39	1
68−8990	Head − Filter	26	42	1
68−9110	Shim	36	37	A/R
68−9111	Shim	36	*	A/R
68−9112	Shim	36	*	A/R
68−9160	Bracket	5	27	1
68−9650	Hose − Axle	26	46	1
68−9710	Hose Assy. − Steering	24	22	1
68−9720	Hose − Cylinder to Steering	12	19	1
68−9730	Hose − Steering to Cylinder	12	18	1
68−9760	Fuel Tank Base	15	2	1
70−1180	Cable − Battery, Positive	1	20	1
70−1190	Cable − Ground	3	43	1
70−1190	Ground Cable	4	5	1
70−1380	Sleeve − Protective	12	17	1
70−1390	Sleeve − Protective	12	15	1
70−2200	Decal − Toro	1	2	1
70−2560	Decal − Lube	19	26	1
70−2620	Elbow − Fitting	26	48	1
70−2810	Spring − Brush	51	15	1
70−3320	Bearing − Front	51	5	1
70−3970	Shim − Plate	47	26	A/R
70−3970	Shim − Plate	49	26	A/R
70−4070	Shim − Plate	49	*	A/R
70−4070	Shim − Plate	47	26	A/R
70−4080	Shim − Plate	47	*	A/R
70−4080	Shim − Plate	49	26	A/R
70−4090	Shim − Plate	47	*	A/R
70−4090	Shim − Plate	49	*	A/R
70−4100	Shim − Plate	47	*	A/R
70−4100	Shim − Plate	49	*	A/R
70−4240	E−Ring	46	1	1
70−4240	E−Ring	48	1	1
71−4330	Seal	16	23	1
71−4340	Washer	16	21	1
71−4350	Nut	16	20	1
71−4400	Coupling − Drive	26	27	1
71−4410	Spacer − Coupling, Rubber	26	31	2
71−4411	Spacer − Coupling, Rubber	26	29	6
71−4430	Hose Assy. − Steering	24	21	1
71−4450	Bolt − Wheel	19	23	10

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
71−4530	Tie Rod Assembly	19	*	1
71−4540	Washer − Thrust	19	14	1
71−4540	Washer − Thrust	24	15	2
71−4551	Driveshaft (Complete)	23	*	1
71−4570	Housing − Clutch	19	33	1
71−4580	Clutch − Roller	19	31	2
71−4590	Washer − Thrust	19	30	2
71−4690	Screw − Cap, Hex. Hd.	19	28	2
71−4740	Rod End	19	20	2
71−4750	Tube & Clamp Assembly	19	12	1
71−4760	Seal − Rod	19	8	3
72−3410	Yoke − Flange	23	1	1
72−3420	Shaft − Yoke, Slip	23	3	1
72−3431	Tube − Yoke, Slip	23	5	1
72−3440	Yoke − Shaft	23	6	1
72−3540	Valve − Relief Adj.	26	*	1
72−3550	Tube Assembly	26	20	1
72−3560	Decal − 4 WD	2	43	2
72−3570	Shim .094 − Diff. Adjust.	16	24	A/R
72−3571	Shim .096 − Diff. Adjust.	16	*	A/R
72−3572	Shim .098 − Diff. Adjust.	16	*	A/R
72−3573	Shim .100 − Diff. Adjust.	16	24	A/R
72−3574	Shim .102 − Diff. Adjust.	16	*	A/R
72−3575	Shim .104 − Diff. Adjust.	16	*	A/R
72−3576	Shim .106 − Diff. Adjust.	16	*	A/R
72−3577	Shim .108 − Diff. Adjust.	16	*	A/R
72−3578	Shim .110 − Diff. Adjust.	16	*	A/R
72−3580	Shim .112 − Diff. Adjust.	16	*	A/R
72−3581	Shim .114 − Diff. Adjust.	16	*	A/R
72−3582	Shim .116 − Diff. Adjust.	16	*	A/R
72−3583	Shim .118 − Diff. Adjust.	16	*	A/R
72−3584	Shim .120 − Diff. Adjust.	16	*	A/R
72−3585	Shim .125 − Diff. Adjust.	16	*	A/R
72−3586	Shim .127 − Diff. Adjust.	16	*	A/R
72−3587	Shim .129 − Diff. Adjust.	16	*	A/R
72−3588	Shim .131 − Diff. Adjust.	16	*	A/R
72−3590	Shim .133 − Diff. Adjust.	16	*	A/R
72−3591	Shim .135 − Diff. Adjust.	16	*	A/R
72−3592	Shim .137 − Diff. Adjust.	16	*	A/R
72−3593	Shim .139 − Diff. Adjust.	16	*	A/R
72−3594	Shim .141 − Diff. Adjust.	16	*	A/R
72−3595	Shim .143 − Diff. Adjust.	16	*	A/R
72−3596	Shim .145 − Diff. Adjust.	16	*	A/R
72−3597	Shim .147 − Diff. Adjust.	16	*	A/R
72−3598	Shim .149 − Diff. Adjust.	16	*	A/R
72−3600	Shim .151 − Diff. Adjust.	16	*	A/R
72−3690	Fender	1	10	2
72−3700	Decal − Caution	2	50	2
72−3710	Body − Valve, Relief	26	17	1
72−3720	Cartridge − Valve, Relief	26	18	1
72−3730	Seal Kit (Relief Valve)	26	*	1
72−3750	Bearing − Ball	28	2	1
72−4200	Ring − Set − Piston Std.	39	44	3
72−4210	Ring Set − Piston	39	45	3
72−4220	Ring Set − Piston	39	46	3
72−4230	Ring Set − Piston	39	47	3
72−4240	Piston & Piston Pin Std.	40	48	3
72−4250	Piston & Piston Pin	40	*	3
72−4260	Piston & Piston Pin	40	*	3
72−4270	Piston & Piston Pin	40	*	3
72−4280	Camshaft	43	59	1
72−4320	Switch − Ball	8	3	1
72−4320	Switch − Ball	7	20	1
72−4870	Case − Differential	20	24	1
72−4880	Cover	20	2	1
72−4890	O−Ring	20	3	1
72−4900	Case − Differential	20	8	1
72−4910	Flange − Case	20	12	1
72−4930	Gear − Side	20	9	1
72−4940	Gear − Side	20	40	1
72−4950	Gear − Pinion	20	10	2
72−4960	Shim .1 mm	20	5	1
72−4970	Shim .15 mm	20	*	1
72−4980	Shim .5 mm	20	*	1
72−4990	Shim .8 mm	20	*	1
72−5000	Shim 1.0 mm	20	*	1
72−5010	Shim 1.2 mm	20	*	1
72−5020	Shaft − Pinion	21	47	1
72−5030	Pin − Dowel	21	45	2
72−5040	Washer − Gear	20	11	1
72−5050	Tube − Axle RH	20	16	1
72−5060	Axle − RH	20	17	1
72−5090	Gear − Bevel	22	18	2
72−5090	Gear − Bevel	20	21	2
72−5100	Spacer	20	20	2
72−5110	Tube − Axle LH	21	44	1
72−5120	Axle − LH	20	41	1
72−5130	Vent	20	23	1
72−5140	O−Ring	20	25	1
72−5150	Plug	20	26	1
72−5160	Shim .1mm	20	29	1
72−5170	Shim .15 mm	20	*	1
72−5180	Shim .5 mm	20	*	1
72−5190	Shim .8 mm	20	*	1
72−5200	Shim 1.0 mm	20	*	1
72−5210	Shim 1.2 mm	20	*	1
72−5360	Ring − Retaining	20	19	2
72−5370	Ring − Retaining	20	22	2
72−5440	Pin −Spring	21	46	1
72−5460	O−Ring	20	32	1
72−5540	Case − Knuckle	22	30	2
72−5550	Cover	22	26	2
72−5560	Pin − King, Knuckle	22	20	2
72−5570	Shaft − Axle, Outer	22	35	2
72−5580	Gear − Bevel	22	5	4
72−5590	Retainer − Bearing	22	15	2
72−5630	Gasket	22	16	2
72−5650	Hub − Wheel	22	34	2
72−5660	Washer − Shaft, Wheel	22	33	2
72−5680	Spacer	22	19	2
72−5720	Ring − Retaining	22	4	2
72−5730	Seal − Oil	22	24	4
72−5740	Seal − Oil	22	2	2
72−5770	Nut − Castle	22	32	2
72−5780	Key	22	36	2
72−5790	Screw − Cap, M6 x 18	22	13	12
72−5800	Bolt	20	1	8
72−5810	Bolt	20	7	8
72−5820	Plug	20	28	1
72−5840	Gasket	20	27	1
72−6950	Retainer − Oil Level Guide	42	20	1
72−9420	Vent Assembly	17	41	1
74−0720	Tube − Manual	7	2	1
75−0170	Plug	29	61	4
75−0560	Wheel − Steering	12	3	1
75−9890	Washer − Shim	9	75	A/R
75−9900	Engine Support − Front	34	29	1
76−1900	O−Ring	28	18	2
76−4690	Coupling − Axle	19	37	1
77−3100	Decal −Warning	5	11	3
77−3120	Bracket − Mount, Column	12	9	1
77−3140	Engine Mount	36	22	1
80−0060	Hose − Air Cleaner	53	10	1
80−2880	Bracket − Steering, Tilt	12	40	1
80−2930	Washer	12	39	1
80−2940	Plate − Pivot	12	29	1
80−2960	Spacer − Tower	12	10	2
80−2980	Boss − Pin	12	32	1
80−3330	Gasket	53	12	1
82−2590	Plug − Thrust	41	88	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
82−8650	Clamp − Half	12	37	1
82−8660	Cover − Tower	12	5	1
82−8670	Rod − Brake Latch	10	10	1
82−8760	Elbow	12	12	1
82−8770	Elbow	12	21	1
82−8930	Decal − Parking Brake	10	12	1
82−8940	Decal − Steering, Tilt	12	44	1
82−8970	Decal − Engine Coolant	5	3	1
82−9010	Disc − Friction	12	38	1
83−5330	Washer − Bearing	20	38	1
83−5340	Nut − Bearing	20	37	1
83−5350	Case − Bearing	20	33	1
83−5360	Seal − Oil	20	36	1
83−5370	Ring & Pinion Assembly	21	*	1
83−7260	Relief Valve Cone	28	31	2
83−9150	Decal − Starting Fluid	53	19	1
84−5330	Bracket − Hood Prop	5	40	1
84−5380	Strap − Hood Prop	5	41	1
84−8500	Lever − P.T.O.	8	2	1
84−8520	Bracket − P.T.O. Switch	8	6	1
84−8600	Shoe & Lining Assembly	18	9	1
86−7040	Rod − Seat Prop	7	32	1
86−7050	Bracket − Switch Actuator	9	73	1
86−7060	Bracket − Hood Hold Down	5	47	1
86−7220	Gear − Output, Trans.	27	52	1
86−7230	Gear − Spur	16	14	1
86−8100	Ball Joint Assembly	54	33	2
86−9410	Support − Seat	5	45	1
86−9610	Assembly − Carrier	17	28	1
86−9630	Front Axle Assembly	15	35	1
88−0070	Plate − Floor	2	49	1
88−0470	Tube − Pedal Spacer	11	49	1
88−1640	Pin − Traction Pedal	10	20	1
88−1650	Shaft − Traction Pedal	10	22	1
88−1670	Bracket − Pivot	10	23	1
88−1680	Bracket − Footrest	10	48	1
88−1710	Footrest	11	50	1
88−1720	Pad − Footrest	11	51	1
88−1790	Wire Harness Assembly	4	2	1
88−1820	Radiator Support	5	35	1
88−8220	By−Pass Valve	28	15	1
92−1676	Gear & Pinion Assembly	17	*	1
92−1773	Screw − Cap, Hex. Hd.	16	11	4
92−1774	Seal − Oil	18	2	2
92−1961	Seal − Valve Stem	39	18	6
92−4058	Arm − P.T.O.	8	30	1
92−4060	Fork P.T.O.	8	24	1
92−4902	Upper Housing Assy. 4WD	17	*	1
92−5723	Bushing − P.T.O. Fork	8	23	2
92−5727	Screw − Cap, Hex. Hd.	8	22	2
92−5838	Ball − Joint	24	23	1
92−7308	Valve − Steering, Power	12	25	1
92−7310	Bolt − Special	13	36	4
92−7314	Assembly − Column	13	*	1
92−7315	Seal	13	28	1
92−7316	Nut − Push On	13	38	4
92−7317	Foam	13	39	1
92−7800	Cover − Access, Battery	1	32	1
92−7801	Shield − Battery Cover	2	54	1
92−7802	Decal − Instructions, Start.	1	31	1
92−7803	Support − Axle	24	9	1
92−7807	Pin − Axle, Rear	24	7	1
92−7810	Cross Member	24	26	1
92−7829	Cylinder − Hyd., Steering	24	32	1
92−7833	Hose − (Valve to Cylinder)	30	19	1
92−7834	Hose	30	22	1
92−7839	Sleeve − Protective, Short	24	33	1
92−7840	Sleeve − Protective, Long	24	37	1
92−8775	Gasket − Kit Liquid	18	*	1
92−8777	O−Ring	29	62	4
92−8918	Center Section	29	55	1
92−8941	Barrel Assembly	25	11	1
92−8942	Rod	25	1	1
92−8943	Piston	25	9	1
92−8944	Head − Internal	25	4	1
92−8945	Kit − Seal	25	*	1
92−8947	Transmission − Inline	27	50	1
93−0312	Washer − Hardened	29	60	4
93−1351	Valve − Intake	39	16	3
93−1352	Valve − Exhaust	39	17	3
93−1353	Lever − Steering, Tilt	12	34	1
93−1369	Head Assembly − Cylinder	37	8	1
93−1395	Plate − Skid	19	45	2
93−3180	Bolt − Cylinder Head	37	25	3
93−3181	Pin − Pressure	50	5	3
93−3183	Tool Box	2	42	1
93−3185	Cover	2	55	1
93−3188	Decal − 325−D	5	8	2
93−3387	Bearing Set	40	64	1
93−3388	Bearing Set − Crankshaft	40	*	1
93−3409	Bearing − Ball	43	53	1
93−3465	Gasket − Delivery Valve	47	13	3
93−3474	O−Ring	47	15	3
93−3524	Thermostat	37	14	1
93−3654	Screw	51	18	1
93−3655	Screw − Set	52	1	1
93−3656	Gasket − Pump, Water	38	68	1
93−3657	Pin − Dowel	43	47	2
93−3664	Seal − O−Ring	20	14	2
93−3665	Seal − O−Ring	20	15	2
93−3666	Gear Box − Axle	22	23	2
93−3667	Case − Knuckle	22	38	2
93−3668	Washer − Thrust	22	21	2
93−3669	Bearing − Needle	22	22	2
93−3670	Seal − O−Ring	22	1	4
93−3671	Pin − Dowel	22	7	4
93−3672	Arm − Knuckle	22	8	2
93−3685	Pipe − Air Breather	37	16	1
93−3687	Bolt Set	52	15	1
93−3688	Cap − Shipping	39	31	1
93−3689	Case − Gear	39	4	1
93−3769	Clevis Pin	8	26	1
93−4132	O−Ring	29	54	2
93−4133	Lip Seal	28	36	1
93−7042	Cover − Guard, Flywheel	24	16	1
93−7416	Insert − Shield, Dust	18	20	2
94−2689	Frame	1	3	1
94−3304	Pedal − Traction	10	18	1
94−3307	Pad − Front Pedal	10	47	1
94−3308	Pad − Rear Pedal	10	19	1
94−6934	Screw − Cap, Hex. Hd.	18	21	8
94−6935	Nut − Lock	18	18	8
94−6936	Washer	18	23	8
94−9160	Engine	34	13	1
95−1566	Plate − Ungleich Set	48	3	A/R
95−1567	Plate − Ungleich Set	48	*	A/R
95−1568	Plate − Ungleich Set	48	*	A/R
95−1569	Plate − Ungleich Set	48	*	A/R
95−1570	Plate − Ungleich Set	48	*	A/R
95−1571	Plate − Ungleich Set	48	*	A/R
95−1572	Plate − Ungleich Set	48	*	A/R
95−1573	Plate − Smoke Set	48	*	A/R
95−1574	Plate − Smoke Set	48	*	A/R
95−1576	Plate − Smoke Set	48	*	A/R
95−1821	Spring − Compression	10	9	1
212−93	Wire Clip	7	18	2
212−93	Wire Clip	9	53	1
217−106	Wheel	19	24	2
217−116	Rim − 23x10.5x12	15	*	2
217−117	Rim	15	33	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
218−461	Nut − Jam	7	29	1
218−461	Nut − Jam	9	70	2
218−473	Toggle Switch Boot	3	17	1
218−515	Mounting Bracket	3	39	1
218−533	Lens	3	9	1
218−539	Clamp	3	13	1
231−90	Tube − Inner	15	*	2
231−95	Tire − 23x10.5x12	15	*	2
231−101	Tire	15	31	2
231−122	Tire	19	22	2
232−27	Valve Stem	15	*	1
232−31	Stem − Valve	19	25	2
232−31	Valve Stem w/Cap	15	34	2
233−17	Knob	10	11	1
233−21	Knob	30	3	1
233−35	Knob	3	7	2
237−7	Seal − O−Ring	7	28	1
237−7	Seal − O−Ring	9	69	1
237−21	O−Ring	26	14	3
237−22	O−Ring	28	13	1
237−22	O−Ring	12	20	3
237−22	O−Ring	24	20	2
237−22	O−Ring	30	29	2
237−22	O−Ring	27	64	1
237−30	O−Ring	12	13	3
237−30	O−Ring	30	30	2
237−30	O−Ring	27	65	1
237−30	Seal − O−Ring	8	4	1
237−30	Seal − O−Ring	7	23	1
237−42	O−Ring	33	2	2
237−42	O−Ring	30	31	2
237−42	O−Ring	27	63	2
237−78	O−Ring	26	16	4
237−78	O−Ring	24	30	2
237−78	O−Ring	30	32	2
237−80	O−Ring	28	33	1
237−80	O−Ring	26	38	1
237−81	O−Ring	26	40	3
237−86	O−Ring	28	7	4
237−95	O−Ring	28	41	1
242−34	Stud − Flanged, Axle	18	11	10
249−21	Clamp − Hook	1	14	3
249−39	Flexible Draw Latch	5	18	1
249−40	Keeper	5	10	1
2412−3	Hose − Clamp	53	9	1
2412−3	Hose Clamp	5	5	4
2412−4	Clamp	15	23	1
2412−4	Clamp	1	25	3
2412−6	Clamp	15	17	2
2412−31	Clamp − Bodine	34	6	1
2412−34	Clamp − Hose	26	47	2
2412−36	Clamp	12	24	2
2412−36	Clamp Hose	30	16	1
2412−39	Clamp	24	24	2
2412−39	Clamp	5	31	1
2412−42	Hose Clamp	53	11	1
2412−74	Clamp	2	38	1
2412−79	Clamp	15	14	1
2412−79	Clamp	34	15	1
2412−79	Clamp − Hose	42	34	8
2412−108	Clamp − Hose	30	28	2
2412−108	Clamp − Worm Drive	34	14	1
2412−108	Hose Clamp	6	1	5
2412−133	R−Clamp	7	3	2
251−8	Bearing − Ball	22	6	2
251−8	Bearing − Ball	28	46	1
251−234	Lock Collar	8	41	2
251−252	Ball Bearing	8	40	2
251−252	Bearing − Ball	34	33	1
251−259	Bearing − Ball	26	10	1
251−263	Bearing − Ball	22	25	2
251−344	Bearing − Ball	20	4	1
251−345	Bearing − Ball	20	13	1
251−347	Bearing − Ball	22	12	2
251−348	Bearing − Ball	22	3	2
251−349	Bearing − Ball	22	17	2
251−350	Bearing − Ball	20	18	2
252−82	Bearing − Needle	28	23	2
253−155	Seal	19	34	2
254−65	Cone − Bearing, Tapered	17	30	2
254−66	Cup − Bearing, Tapered	17	29	2
254−90	Cup − Bearing	17	26	1
254−91	Cone − Bearing	16	25	1
254−108	Bearing − Tapered Roller	20	31	1
254−109	Bearing − Tapered Roller	20	39	1
256−10	Bushing	10	43	4
256−113	Bushing	8	47	4
256−126	Bushing	54	16	6
256−156	Bushing	10	6	5
281−1	Plug − Taper	42	16	1
281−7	Plug − Pipe, Square Hd.	22	37	2
281−10	Plug − Socket, Hex.	22	27	2
283−10	Pin	54	40	3
283−17	Pin	30	26	1
283−42	Clevis Pin	8	7	1
283−58	Pin − Clevis	10	14	2
283−76	Pin − Lynch	5	39	1
284−3	Plug − Welch	19	36	1
285−17	Pipe Plug	28	12	4
289−37	Nipple − Pipe	15	40	1
2811−9	Street Elbow	15	39	1
302−2	Grease Fitting	8	39	1
302−5	Fitting − Grease	19	32	1
302−5	Fitting − Grease	54	13	1
302−5	Fitting − Grease	54	34	2
302−5	Fitting − Grease	10	44	2
302−10	Fitting − Grease	8	10	1
302−10	Fitting − Grease	34	31	1
302−11	Fitting − Grease	19	11	1
302−33	Fitting − Grease	54	28	2
302−55	Fitting − Grease	31	1	2
302−55	Fitting − Grease	32	1	2
302−55	Fitting − Grease	19	6	3
302−58	Fitting − Grease	23	4	1
302−60	Fitting − Grease	24	38	1
304−46	Drain Cock	5	21	1
304−73	Fitting − Straight Barb	30	23	1
304−73	Hose Barb	6	19	1
304−75	Fitting − 90˚ Barb	30	20	1
304−96	90˚ Hose Barb	6	2	1
321−2	Screw − Cap, Hex. Hd.	26	35	2
321−3	Screw − Cap, Hex. Hd.	36	36	4
321−4	Screw − Cap Hex. Hd.	9	72	1
321−4	Screw − Cap, Hex. Hd.	6	4	2
321−4	Screw − Cap, Hex. Hd.	34	7	1
321−4	Screw − Cap, Hex. Hd.	3	30	2
321−4	Screw − Cap, Hex. Hd.	26	36	4
321−6	Screw − Cap Hex. Hd.	5	42	1
321−6	Screw − Cap Hex. Hd.	27	67	2
321−6	Screw − Cap, Hex. Hd.	6	12	2
321−6	Screw − Cap, Hex. Hd.	15	20	1
321−6	Screw − Cap, Hex. Hd.	3	44	1
321−23	Screw − Cap, Hex. Hd.	30	14	5
322−2	Screw − Cap, Hex. Hd.	7	21	2
322−3	Screw − Cap, Hex. Hd.	53	13	4
322−4	Screw − Cap, Hex. Hd.	28	37	4
322−4	Screw − Cap, Hex. Hd.	12	43	1
322−5	Screw − Cap, Hex. Hd.	24	12	2
322−5	Screw − Cap, Hex. Hd.	3	29	2
322−5	Screw − Cap, Hex. Hd.	2	37	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
322−6	Screw − Cap, Hex. Hd.	5	33	1
322−8	Screw − Cap, Hex. Hd.	26	30	6
322−8	Screw − Cap, Hex. Hd.	19	44	2
322−10	Screw − Cap, Hex. Hd.	26	34	2
322−17	Screw − Cap, Hex. Hd.	26	11	1
323−6	Screw − Cap Hex. Hd.	17	46	1
323−6	Screw − Cap, Hex. Hd.	12	27	2
323−7	Screw − Cap, Hex. Hd.	26	43	2
323−9	Screw − Cap, Hex. Hd.	19	21	2
323−13	Screw − Cap, Hex. Hd.	10	32	1
323−14	Screw − Cap, Hex. Hd.	5	23	3
323−14	Screw − Cap, Hex. Hd.	11	56	1
323−42	Screw − Cap, Hex. Hd.	11	54	1
323−56	Screw − Cap, Hex. Hd.	28	3	4
324−4	Screw − Cap, Hex. Hd.	54	19	2
324−11	Screw − Cap, Hex. Hd.	54	22	2
324−11	Screw − Cap, Hex. Hd.	36	27	2
324−12	Screw − Cap, Hex. Hd.	34	38	2
328−5	Screw − Cap Hex. Hd.	55	5	4
329−7	Screw − Cap, Hex. Hd.	35	53	1
3210−7	Screw − Cap, Hex. Hd.	19	5	1
3210−7	Screw − Cap, Hex. Hd.	26	9	1
3210−7	Screw − Cap, Hex. Hd.	16	19	8
3212−4	Screw − Cap Hex. Hd.	55	3	2
3217−5	Nut	35	50	1
3217−6	Nut	53	2	2
3217−6	Nut	1	11	2
3217−6	Nut − Hex	3	32	2
3217−6	Nut − Hex	27	57	2
3217−7	Nut − Hex	10	28	2
3217−8	Nut − Full	54	8	2
3217−9	Nut − Hex.	17	42	2
3217−12	Nut − Hex.	55	7	4
3217−26	Nut	3	37	1
3218−5	Nut − Jam	10	3	2
3218−7	Nut − Jam	12	42	1
3219−1	Nut	34	2	5
3219−2	Nut	16	1	8
3219−2	Nut − Hex	26	8	1
3219−3	Nut	8	33	1
3219−7	Nut − Hex.	8	16	1
3219−14	Nut	3	1	6
3219−14	Nut	15	10	1
3220−3	Nut − Jam	10	27	1
3220−5	Nut − Jam	19	4	1
3220−5	Nut − Jam	10	46	1
3220−6	Nut	13	27	1
3220−6	Nut − Jam	24	31	2
3229−1	Bolt − Carriage	2	40	5
3230−1	Bolt − Carriage	11	52	2
3230−2	Bolt − Carriage	15	29	3
3231−21	Bolt − Carriage	10	31	2
3233−14	Bolt − Carriage	36	9	1
3234−1	Screw − Cap, Locking Hex.	5	15	2
3234−11	Screw − Cap, Hex. Hd .	10	39	3
3234−11	Screw − Cap, Hex. Hd.	36	31	4
3234−11	Screw − Cap, Hex. Hd.	34	45	4
3234−11	Screw − Cap, Locking Fl.	1	26	5
3234−11	Screw − Flange Head	15	1	2
3234−11	Screw w/Locking Flange	7	13	6
3234−12	Screw − Hex. Hd. Flange	1	8	4
3234−12	Screw − Lock, Flange	36	33	2
3234−14	Screw − Cap, Hex. Hd.	7	6	5
3234−14	Screw − Cap, Hex. Hd.	2	46	2
3234−14	Screw − Hex, Flange Hd.	5	13	11
3234−17	Screw − Cap, Hex. Hd.	12	8	2
3234−17	Screw − Cap, Hex. Hd.	7	16	4
3234−18	Screw − Cap, Hex. Hd.	35	60	1
3234−24	Screw − Flange, Hex. Hd.	24	18	3
3234−25	Screw − Flange, Hex. Hd.	24	27	4
3234−32	Screw − Flange, Hex. Hd.	24	8	6
3234−32	Screw − w/Locking Flange	7	11	2
3241−5	Screw − Set, Socket Head	34	36	2
3241−5	Screw − Set, Sq. Hd.	26	25	2
3245−1	Screw − Set	8	46	2
3246−3	Screw − Set	8	29	4
3249−11	Screw − Mach. Rd. Hd.	26	5	2
3250−17	Screw − Pan Hd.	3	22	2
3253−3	Washer − Lock	15	5	2
3253−3	Washer − Lock	23	8	6
3253−3	Washer − Lock	36	35	4
3253−3	Washer − Lock	19	38	6
3253−3	Washer − Lock	35	51	3
3253−4	Washer − Lock	1	9	2
3253−4	Washer − Lock	36	21	5
3253−4	Washer − Lock	34	47	2
3253−6	Washer − Lock	54	7	2
3253−6	Washer − Lock	55	8	2
3253−9	Washer − Lock	55	6	4
3253−17	Washer − Lock	3	3	6
3253−17	Washer − Lock	15	9	1
3253−21	Washer − Lock	10	29	4
3253−21	Washer − Lock	26	44	2
3253−21	Washer − Lock	17	45	1
3253−21	Washer − Lock	9	55	4
3254−2	Washer − Lock, Int. Tooth	34	18	2
3254−2	Washer − Lock, Int. Tooth	2	52	1
3254−2	Washer − Lock, Int. Tooth	3	24	6
3254−7	Washer − Lock	8	15	1
3254−9	Washer − Lock	27	58	2
3255−5	Washer − Lock	3	38	1
3255−7	Washer − Lock, Ext. Tooth	3	31	3
3255−7	Washer − Lock	27	59	3
3255−7	Washer − Lock, Ext. Tooth	6	21	2
3255−8	Washer − Lock	16	2	8
3255−9	Washer − Lock, Ext. Tooth	35	61	1
3256−3	Washer − Flat	26	32	4
3256−3	Washer − Flat	12	28	4
3256−6	Washer − Flat	8	20	1
3256−6	Washer − Flat	17	43	2
3256−6	Washer − Flat	27	61	1
3256−14	Washer − Flat	3	35	1
3256−22	Washer − Flat	10	8	1
3256−22	Washer − Flat	34	8	1
3256−22	Washer − Flat	5	43	1
3256−23	Washer − Flat	7	9	1
3256−23	Washer − Flat	7	22	2
3256−23	Washer − Flat	19	47	4
3256−25	Washer − Flat	54	6	1
3256−26	Washer − Flat	10	40	1
3256−28	Washer − Flat	8	14	4
3256−41	Washer − Flat	8	36	4
3256−46	Washer − Flat	12	26	2
3256−64	Washer − Flat	34	25	4
3257−5	Key − Woodruff	8	11	3
3257−30	Key − Woodruff	36	3	2
3257−32	Key − Woodruff	28	21	1
3257−32	Key − Woodruff	26	24	1
3257−33	Key − Woodruff	34	30	1
3258−19	Screw − Mach. Rd. Hd.	53	16	2
3272−5	Pin − Cotter	10	7	3
3272−6	Cotter Pin	8	8	1
3272−6	Pin − Cotter	30	8	1
3272−6	Pin − Cotter	10	21	6
3272−10	Pin − Cotter	26	1	1
3272−10	Pin − Cotter	54	38	3
3272−11	Pin − Cotter	54	2	2
3272−11	Pin − Cotter	19	9	3
3272−11	Pin − Cotter	8	28	1
3272−16	Pin − Cotter	36	14	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3272−17	Pin − Cotter	22	31	2
3272−22	Pin − Cotter	8	17	2
3272−24	Cotter Pin	54	10	1
3272−33	Pin − Cotter	54	17	1
3274−8	Screw − Cap, Hex. Hd.	19	39	6
3274−8	Screw − Cap, Soc. Hd.	23	7	6
3274−47	Screw − Flat Hd. Socket	10	33	1
3290−134	Screw − Hex. Hd. Mach.	3	4	2
3290−144	Screw − HH	1	13	9
3290−224	Washer − Lock	35	59	1
3290−271	Rivet	5	9	4
3290−357	Nut − Lock, Flange	36	7	8
3290−357	Nut − Lock, Flange	7	14	6
3290−357	Nut − Lock, Flange	1	24	5
3290−357	Nut − Lock, Flange	34	43	7
3290−378	Cable Tie	6	8	A/R
3290−378	Tie − Cable	1	22	2
3290−379	Cable Tie	34	16	1
3290−379	Cable Tie	5	29	4
3290−379	Cable Tie	3	41	1
3290−379	Tie − Cable	12	16	3
3290−379	Tie − Cable	24	34	1
3290−424	Screw − Hex. Hd. Mach.	3	28	1
3296−2	Nut − Lock	1	18	9
3296−6	Nut − Lock	8	34	1
3296−12	Nut − Lock	3	26	3
3296−16	Nut − Lock	5	44	1
3296−16	Nut − Lock	9	74	1
3296−20	Nut − Lock	34	5	1
3296−20	Nut − Lock	24	28	2
3296−20	Nut − Lock	12	30	4
3296−28	Nut − Lock	8	27	1
3296−29	Nut − Lock	26	7	1
3296−29	Nut − Lock	12	36	2
3296−29	Nut − Lock	19	43	2
3296−39	Nut − Lock	19	19	2
3296−42	Nut − Lock	30	10	5
3296−42	Nut − Lock	26	12	6
3296−43	Nut − Lock	19	3	1
32103−2	Nut − Wing	1	17	3
32103−2	Nut − Wing	5	37	2
32104−6	Screw − Hex. Hd. Tapping	9	56	4
32104−96	Screw − Cap, Hex. Hd.	15	6	1
32104−116	Screw −Self Tapping	5	17	8
32107−11	Nut	53	14	2
32120−8	Ring − Retaining	28	1	1
32120−11	Ring − Retaining	28	47	1
32120−15	Ring − Retaining	28	45	1
32120−22	Ring − Retaining	8	42	2
32120−22	Ring − Retaining, Internal	34	34	1
32120−69	Ring − Retaining, External	34	35	1
32120−72	Ring − Retaining	27	53	1
32121−6	Pin − Roll	10	24	1
32121−6	Pin − Roll	27	62	1
32121−9	Pin − Roll	8	49	1
32121−15	Pin − Roll	17	32	1
32121−24	Pin − Roll	26	2	1
32121−34	Pin − Roll	19	35	1
32121−73	Pin − Slotted Spring	30	9	1
32121−84	Pin − Roll	54	25	2
32121−91	Pin − Coil ,Spring	28	49	3
32128−20	Nut − Flange	53	21	4
32128−20	Nut − Flange	15	37	3
32128−20	Nut − Flange	12	41	1
32128−20	Nut − Hex. Hd. Flange	5	2	11
32128−20	Nut − Lock, Flange	2	39	1
32128−21	Nut − Flange	24	25	4
32128−21	Nut − Flange Hd.	5	28	3
32128−21	Nut − Lock, Flange	1	7	6
32128−23	Nut − Lock, Flange	24	10	4
32128−23	Nut − Lock, Flange	36	16	1
32128−23	Nut − Lock, Flange	34	24	2
32128−25	Nut − Flange Lock	11	53	2
32128−33	Nut − Lock, Flange	2	41	5
32128−37	Nut − Lock, Flange	36	23	2
32128−37	Nut − Lock, Flange	34	44	2
32128−42	Nut − Flange	54	27	4
32128−43	Nut − Hex. Flange	11	55	2
32136−2	Nut	54	3	2
32136−3	Nut − Hex. Slotted	36	13	2
32136−13	Nut − Slotted	19	10	3
32144−10	Screw − Hex. Hd. Self Tap	12	6	6
32144−10	Screw − Hex. Hd. Self Tap	7	33	2
32144−10	Screw − Self Tapping	30	4	2
32144−10	Screw − Self−Tapping	5	1	5
32144−10	Screw − Thread Forming	24	17	2
32144−10	Screw, Self−Tapping	2	47	11
32144−14	Screw − Self Tapping	24	6	1
32144−21	Screw	12	45	1
32144−53	Screw − Thread Forming	15	11	5
32144−67	Screw − Cap, Self Tap	15	36	4
32146−20	Nut	24	14	1
32149−2	Nut	6	9	2
32149−2	Nut	6	22	2
32149−2	Nut	10	37	1
32149−2	Nut − Lock	3	33	3
32151−46	Ring − Retaining	28	27	2
32151−87	Ring − Retaining	19	29	1
32151−104	Ring − Retaining	24	39	1
32152−1	Nut − Lock	26	28	8
32152−1	Nut − Lock, Flange	34	12	1
32153−2	Nut − Hex.	12	11	2
32153−2	Nut − Lock	10	30	2
32153−2	Nut − Lock	35	57	1
340−54	Fitting	24	29	1
340−70	Nut − Lock, Bulkhead	5	26	2
340−71	Union − Bulkhead	5	25	2
340−77	Elbow − Fitting	26	21	1
340−92	Adapter − Straight	26	19	3
340−97	Elbow − Fitting	24	19	1
340−97	Fitting − 90˚	30	25	1
340−99	Elbow − Fitting	26	22	1
340−99	Fitting − 90˚ Elbow	30	12	1
340−110	Elbow − 90˚	30	24	1
340−112	Elbow − 90˚	30	18	1
340−143	Elbow − Swivel	26	15	1
353−508	Plug − Drain	27	49	1
353−512	Plug	30	1	1
353−550	Plug − Hex. Hd.	28	19	2
353−551	Plug − Hex. Hd.	28	32	1
353−702	Hose Barb	6	18	1
353−975	Hose Barb	6	6	1
353−987	Elbow − Fitting	26	45	1

*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 Groundsmaster 325D 4 Wheel Drive 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 seat. In any correspondence concerning the Groundsmaster 325D 4 Wheel Drive – 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 Groundsmaster 325D 4 Wheel Drive.
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								