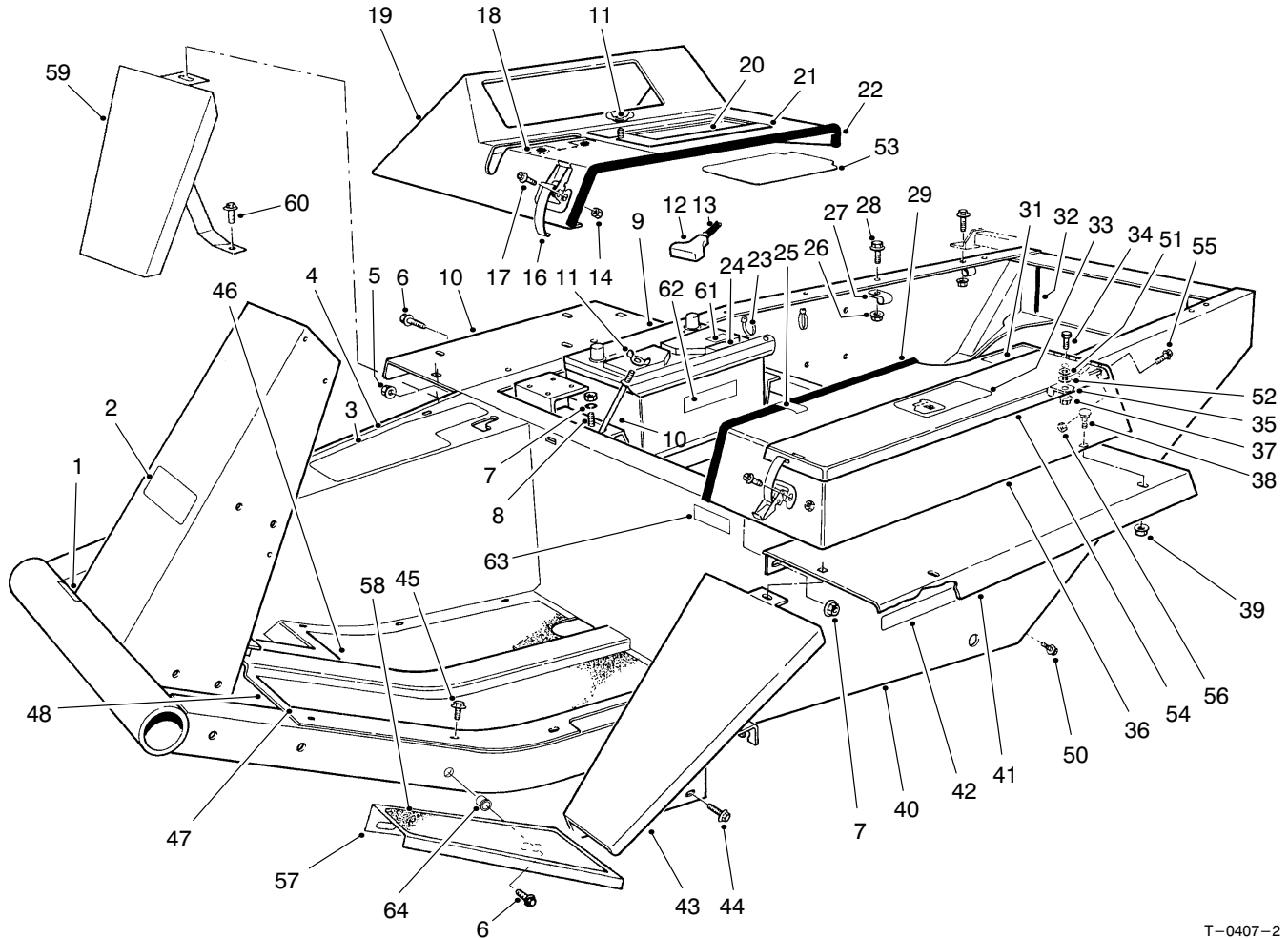




**MODEL NO. 30739-50001 & UP**

**PARTS CATALOG**

**GROUNDMASTER® 325D Intl. 2WD TRACTION UNIT**

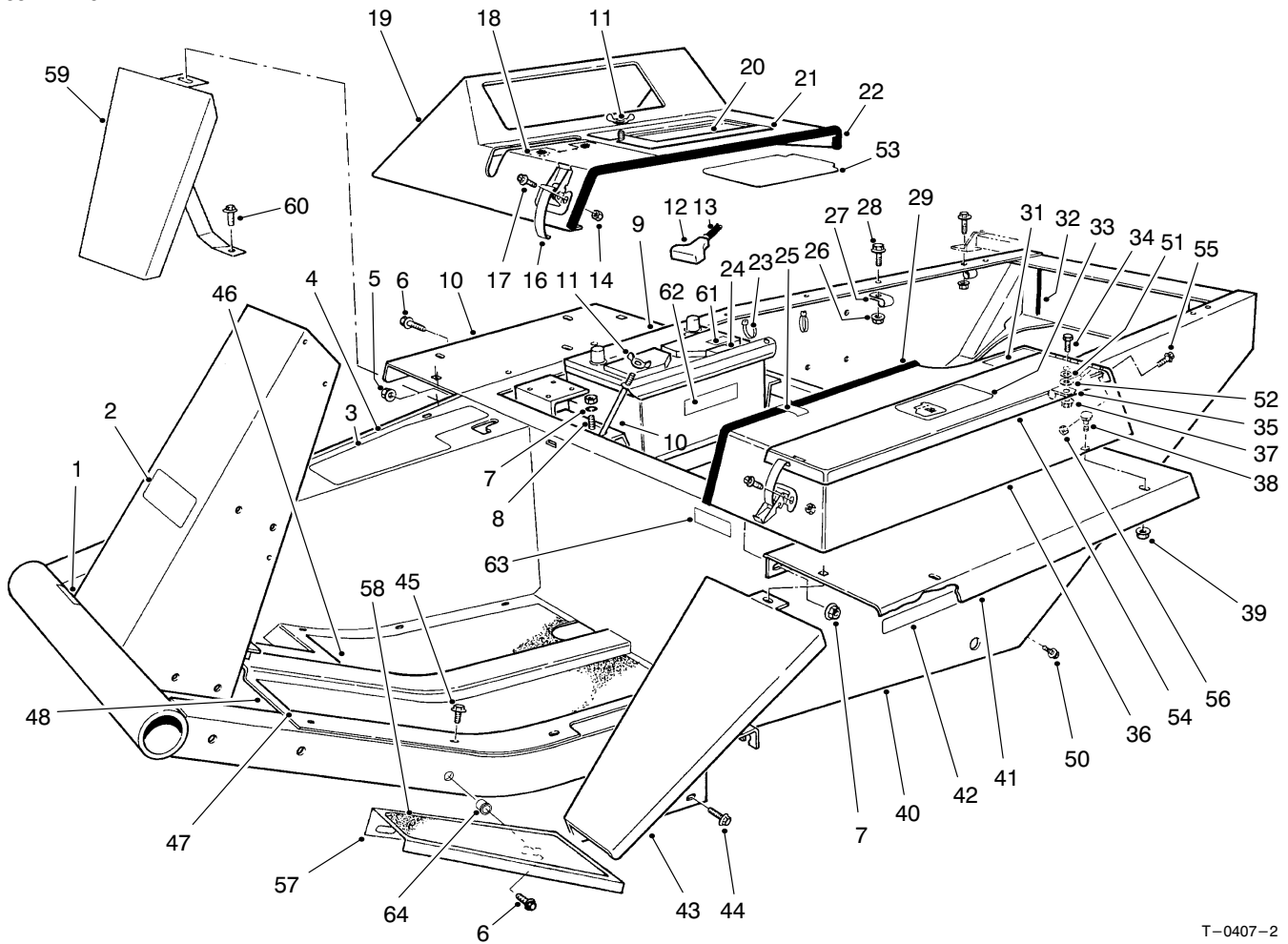


T-0407-2

**MAIN FRAME ASSEMBLY**

Ref. No.	Part No.	Description	No. Used
1	93-7836	Decal - Traction Pedal	1
2	70-2200	Decal - Toro	1
3	93-7832	Decal - Caution	1
4	21-2660	Footrest	1
5	32128-21	Nut - Flange	10
6	3234-12	Screw - HHF	5
7	3217-6	Nut - Hex.	2
8	3253-4	Washer - Lock	2
9	63-9230	Battery Type MF24-78, Dry	1
10	24-6390	Stud - Battery Hold Down	2
11	32103-2	Nut - Wing	3
12	28-1280	Boot - Cable	1
13	70-1180	Cable - Battery Positive (Incl. Ref. #12)	1
14	3296-2	Nut	6
16	249-21	Hook Clamp	3
17	3290-144	Screw - Machine	6

Ref. No.	Part No.	Description	No. Used
18	93-7806	Decal - Power Take off	1
19	38-4550	Instrument Cover	1
20	95-2746	Decal - Starting Instructions	1
21	24-9740	Cover - Battery Access	1
22	39-8020	Trim - Instrument Cover	1
23	3290-378	Cable Tie	2
24	24-6420	Hold Down - Battery	1
25	2412-61	Clip - Tinnerman	2
26	3290-357	Nut - Flange	5
27	2412-4	Clamp	3
28	3234-11	Screw - HHF	5
29	37-9650	Trim	1
31	93-6680	Decal - Diesel Fuel	1
32	43-4300	Trim - Rear Frame	2
33	93-7822	Decal - Refueling	1
34	322-5	Screw - HH	1
35	2412-74	Clamp	1



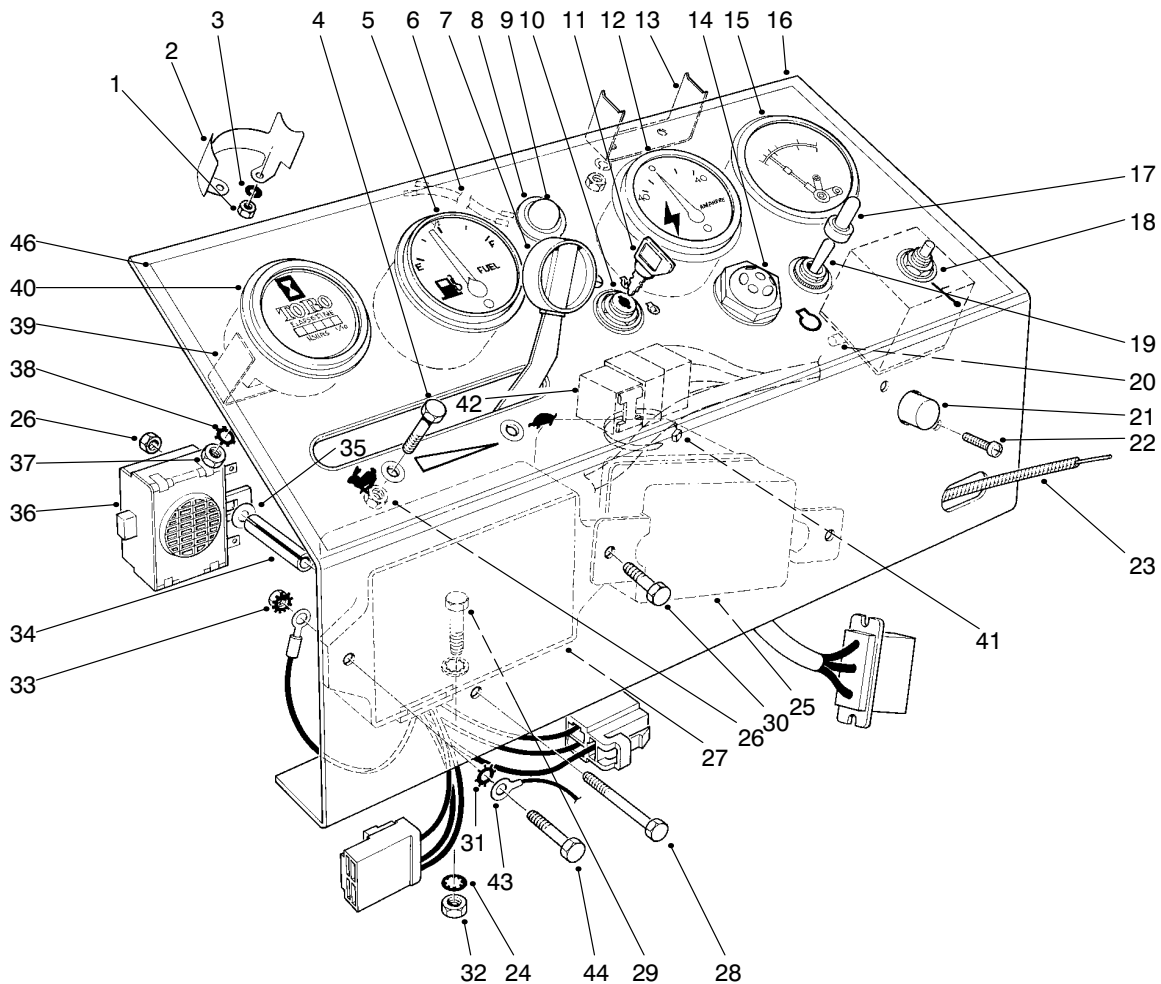
T-0407-2

## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
36	93-3183	Tool Box (Incl. Ref. #30)	1	51	3254-2	Washer - Lock, Int. Tooth	1
37	32128-20	Nut - Flange	1	52	18-2770	Cable - Ground	1
38	3229-1	Bolt - Carriage	6	53	92-7801	Shield - Battery Cover	1
39	32128-33	Nut - Flange	6	54	93-3184	Cover (Incl. Ref. #33)	1
†40	94-2689	Frame (Incl. Ref. #1-2, 5, 42 & 50)	1	55	3290-144	Screw - HH	3
41	72-3690	Fender	2	56	3296-2	Nut - Lock	3
42	93-7830	Decal - Torque	2	57	93-7410	Panel - Footrest	1
43	68-8610	Fender - Extension	1	58	66-3200	Tread - Foot, LH	1
44	3234-14	Screw - HH	2	59	93-7626	Fender - RH	1
45	32144-10	Screw - Tap	11	60	3234-33	Screw - Flange	1
46	21-2770	Pad - Foot Rest R.H.	1	61	93-7276	Decal - Danger	1
47	21-2760	Pad - Foot Rest L.H.	1	62	93-6668	Decal - Charging	1
48	88-0070	Floor Plate	1	63	93-7252	Decal - CE	1
50	3234-25	Screw - HHF	4	■64	32148-9	Nut - Clinch	1

† Includes item 42, page 15.

■ Special tool required.

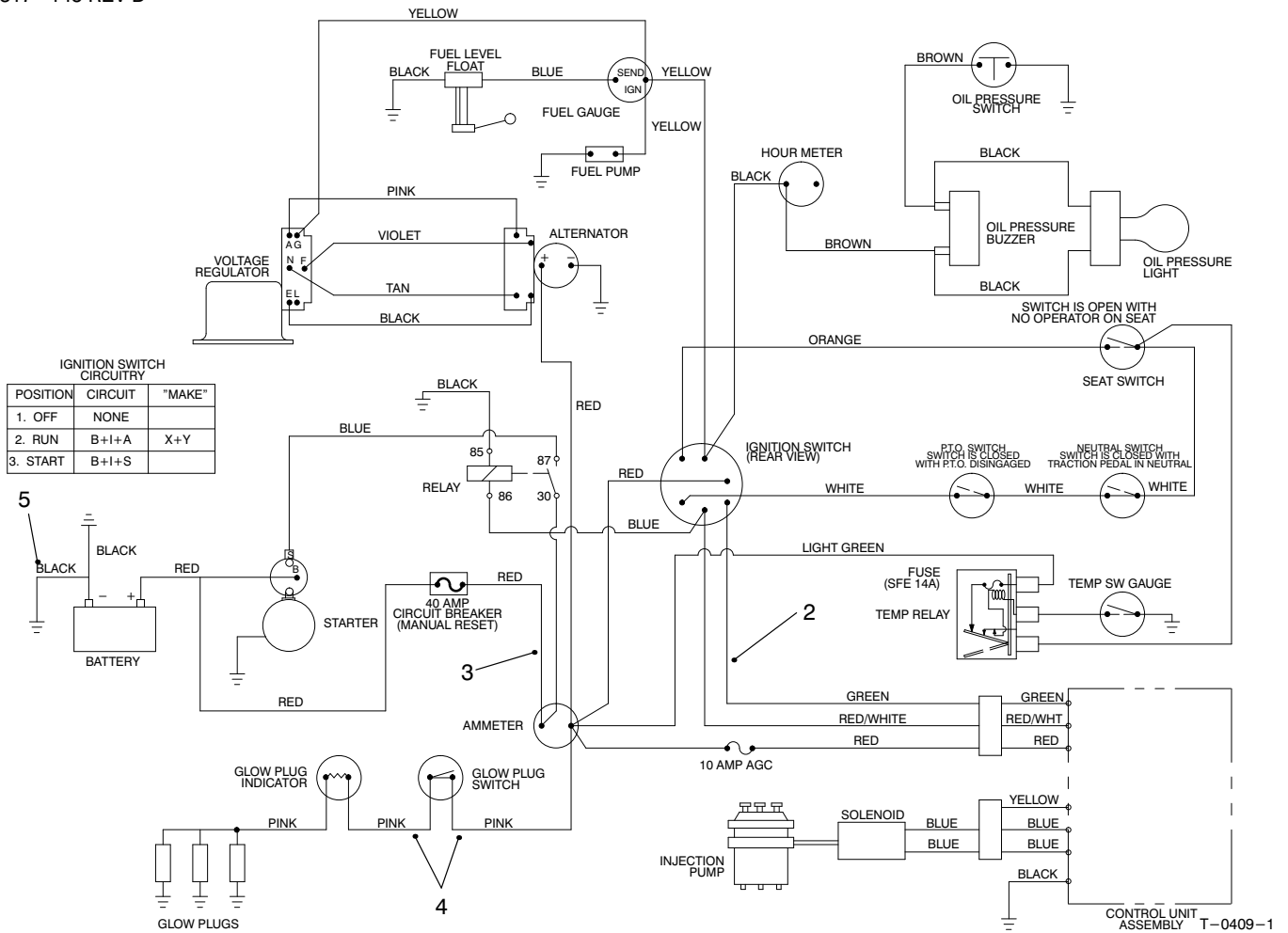


T-0408-1

## INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-14	Nut - Hex.	6	22	3250-17	Screw - PH	2
2	38-1670	Clamp - Mounting	2	23	43-3990	Throttle Control (Incl. Ref. #7)	1
3	3253-17	Washer - Lock	6	24	3254-2	Washer - Lock, Int. Tooth	6
4	3290-134	Screw - HH	2	25	43-0410	Asm. - Regulator	1
5	38-1650	Gauge - Fuel (Incl. Ref. #1-3)	1	26	3296-12	Nut - Lock	3
6	44-2220	Wire Lead	1	27	43-1880	Asm. - Control Unit	1
7	233-35	Knob	2	28	3290-424	Screw - HH	1
8	44-2210	Light - Warning (Incl. Ref. #9)	1	29	322-5	Screw - HH	2
9	218-533	Lens	1	30	321-4	Screw - HH	2
10	27-2360	Switch - Key	1	31	3255-7	Washer - Lock, Ext. Tooth	3
11	63-8360	Key	1	32	3217-6	Nut - Hex	2
12	38-1660	Ammeter (Inc. Ref. #1-3)	1	33	32149-2	Nut - Lock	3
13	218-539	Clamp	1	34	43-3820	Spacer	1
14	42-9190	Lamp - Glow	1	35	3256-14	Washer - Flat	1
15	26-6750	Gauge - Engine Temp. (Incl. Ref. #1, 3, & 13)	1	36	22-7820	Asm. - Buzzer	1
16	43-3970	Panel - Instrument	1	37	3217-26	Nut - Hex.	1
17	218-473	Boot - Switch, Toggle	1	38	3255-5	Washer - Lock	1
18	26-6740	Relay - Temperature Reset	1	39	218-515	Bracket - Mounting	1
19	6-1659	Switch - Toggle (Inc. Ref. #17)	1	40	12-9990	Hour Meter (Incl. Ref. #37-39)	1
†20		Fuse - Temp. Relay 14 Amp. SFE	1	41	3290-379	Cable Tie	1
21	43-4000	Circuit Breaker	1	42	63-7590	Relay	1
				43	70-1190	Cable - Ground	1
				44	321-6	Screw - HH	1
				46	93-7813	Decal - Instrument Panel	1

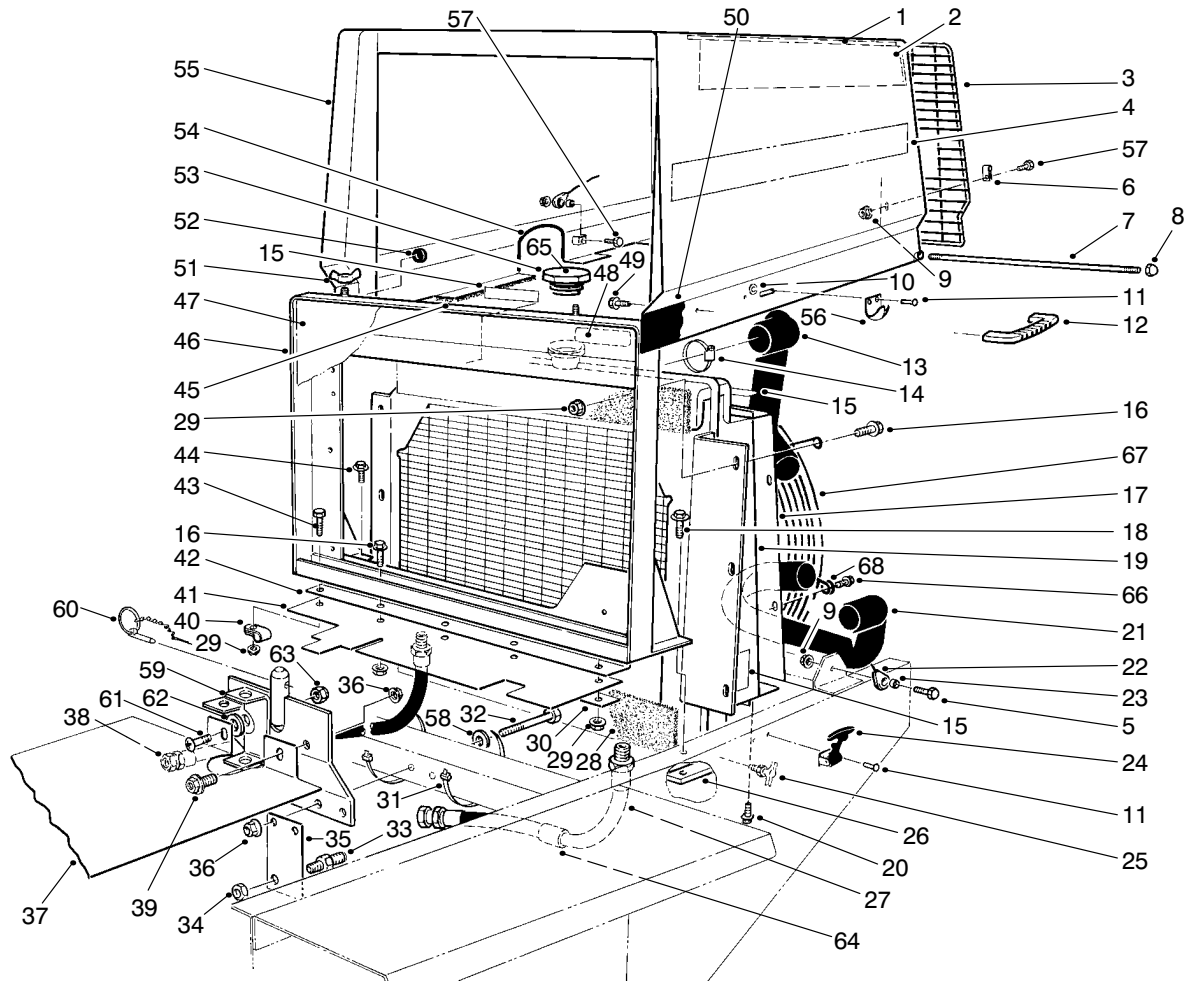
†Obtain Locally



## ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	88-1790	Asm. - Wire Harness	1
3	43-4040	Asm. - Wire	1

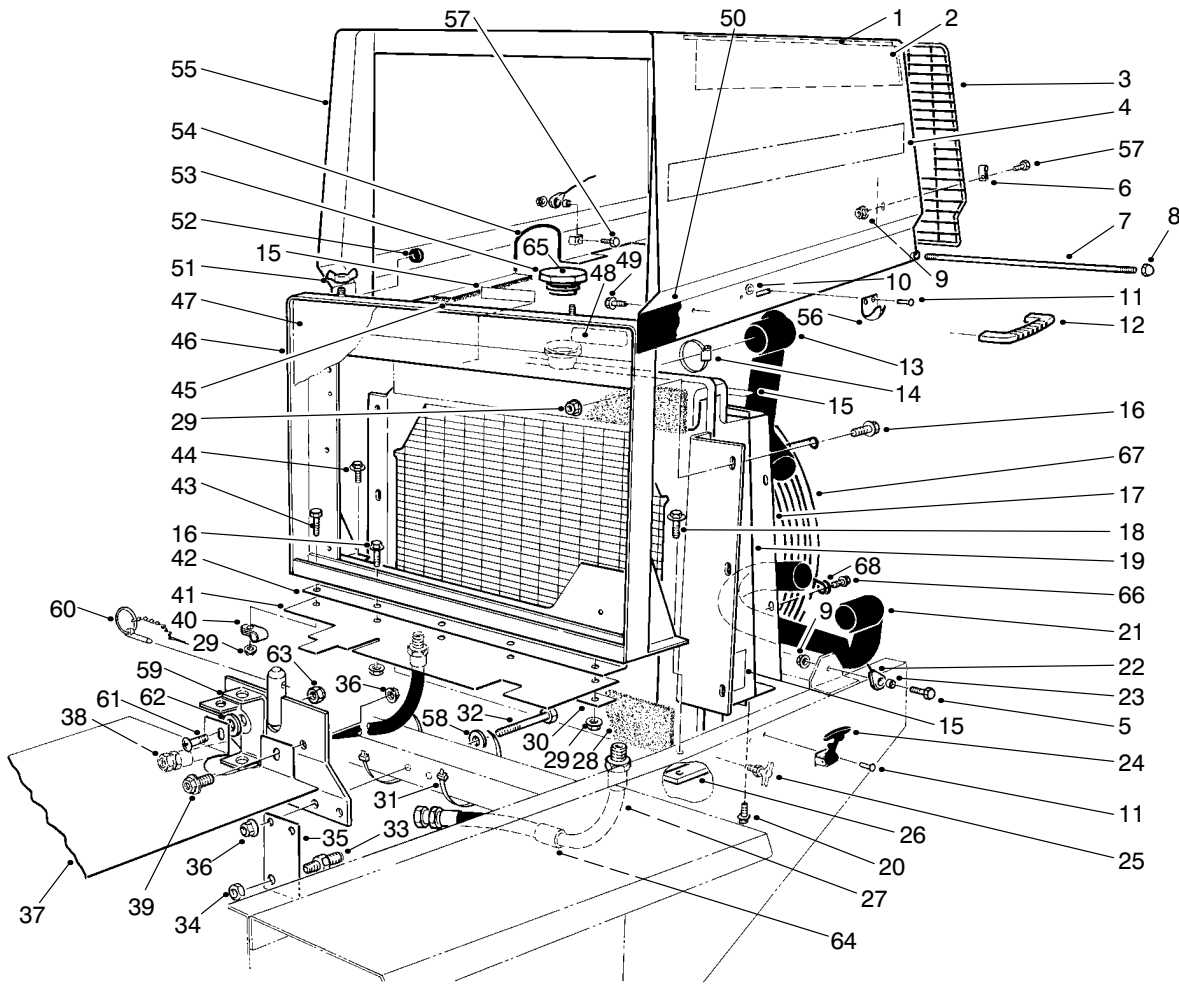
Ref. No.	Part No.	Description	No. Used
4	43-4010	Asm. - Wire	2
5	70-1190	Ground Cable	1



T-1185-1

## RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	77-5170	Foam - Top	1	27	63-9010	Asm. - Hose, Cooler/Pump	1
2	77-5160	Foam - Side	1	28	43-3320	Foam - Radiator	2
3	67-9000	Screen - Rear	1	29	32128-20	Screw - HHF	11
4	93-3188	Decal - Groundsmaster	2	30	67-8470	Strip - Retainer	1
5	321-4	Screw - HH	2	31	3290-379	Tie - Cable	4
6	2412-127	Clamp	4	32	323-14	Screw - HH	3
7	67-8840	Pin - Hinge	1	33	340-71	Union - Bulkhead	2
8	32111-8	Nut - Acorn	2	34	340-70	Nut - Lock Bulkhead	2
9	32128-32	Nut - Flange	8	35	68-9160	Bracket	1
10	3269-10	Washer - Backup	2	36	32128-21	Nut - Flange	5
11	3290-271	Rivet	4	37	88-3390	Plate - Sealing	1
12	65-5100	Handle - Hood	1	38	63-8960	Asm. - Hose, Valve/Cooler	1
13	43-3350	Hose - Upper Radiator	1	39	3234-11	Screw - Flange	1
14	2412-3	Clamp - Hose	4	40	2412-39	Clamp	1
15	93-7272	Decal - Warning	3	41	67-8570	Strip - Sealing	1
16	3234-14	Screw - HHF	11	42	43-3340	Plate - Sealing, Grille	1
17	43-3330	Shroud - Radiator	1	43	322-6	Screw - HH	1
18	3234-1	Screw - HHF	2	44	11-0590	Screw - Tap	2
19	33-2570	Asm. - Radiator	1	45	82-8950	Foam - Flange Hood	2
20	32104-116	Screw - Tap	4	46	67-8870	Support - Radiator	1
21	43-7020	Hose - Lower Radiator	1	47	67-9030	Grille	1
22	77-3170	Stop - Hood Cable	2	48	93-7821	Decal - Radiator Coolant	1
23	77-5250	Spacer - Hood Cable	4	49	46-8091	Screw - Flange	2
24	249-39	Latch - Flexible Draw	1	50	77-5141	Decal - Hood LH	1
25	304-46	Drain Cock	1	*	77-5151	Decal - Hood RH	1
26	38-4600	Bar - Frame LH	1	51	32103-2	Nut - Wing	2



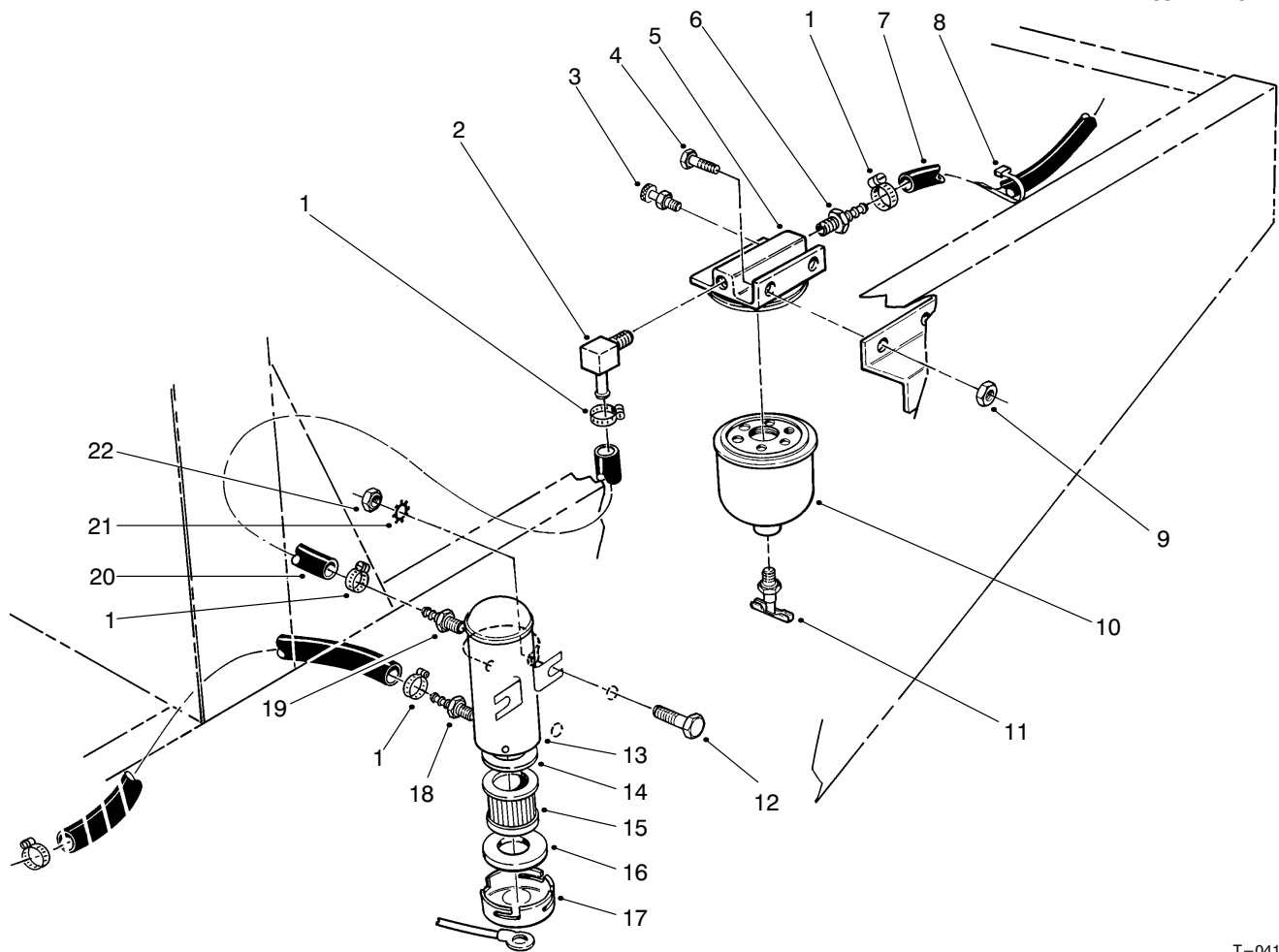
T-1185-1

## RADIATOR & HOOD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	237-141	Bumper - Radiator	2
53	66-3240	Cap - Radiator	1
54	66-8111	Trim - Hood Cutout	1
55	14-4149	Hood	1
56	249-40	Keeper	1
57	3274-69	Screw - Socket Hd.	6
58	5-0838	Washer - Flat	3
59	86-9410	Bracket - Seat Support	1
60	283-76	Pin - Lynch	1

Ref. No.	Part No.	Description	No. Used
61	32122-16	Screw - Truss Hd.	1
62	88-3370	Spacer - Sealing Plate	1
63	3296-59	Nut - Lock	1
64	38-3400	Guard - Rubber	1
65	93-7840	Decal - Radiator Cap	1
66	32104-109	Screw - Hex. Hd.	4
67	93-9729	Guard - Fan	1
68	3256-22	Washer - Flat	4

\*Not Illustrated

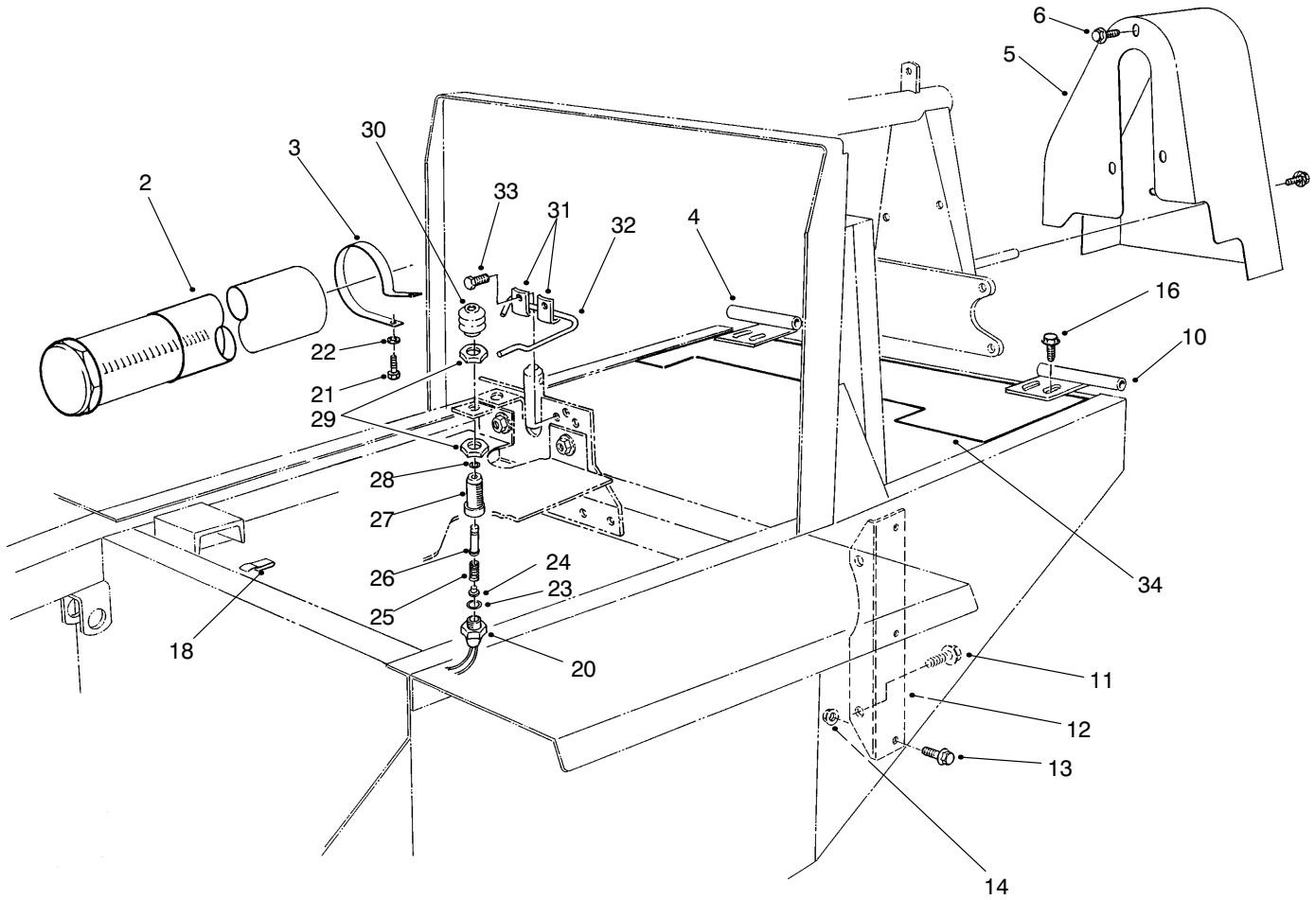


T-0411-1

## FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	2412-108	Hose Clamp	5	13	53-8150	Asm. - Fuel Pump, Electric (Incl. Ref. #14-17)	1
2	304-96	90° Hose Barb	1	14	43-2570	Gasket	1
3	63-8290	Vent	1	15	43-2550	Filter	1
4	321-4	Screw - HH	2	16	43-2560	Gasket	1
5	63-8280	Asm. - Head	1	17	43-2580	Magnet	1
6	353-975	Hose Barb	1	18	353-702	Hose Barb	1
7	63-9720	Hose	1	19	304-73	Hose Barb	1
8	3290-378	Cable Tie	A/R	20	63-9650	Hose	1
9	32149-2	Nut	2	21	3255-7	Washer - Lock, Ext. Tooth	2
10	63-8300	Element - Fuel Filter (Incl. Ref. #11)	1	22	32149-2	Nut	2
11	63-8310	Drain Valve	1	*	95-3092	400 Hour Filter Kit (Incl. Ref. #10 & 15)	1
12	321-6	Screw - Cap Hex. Hd.	2				

\*Not Illustrated



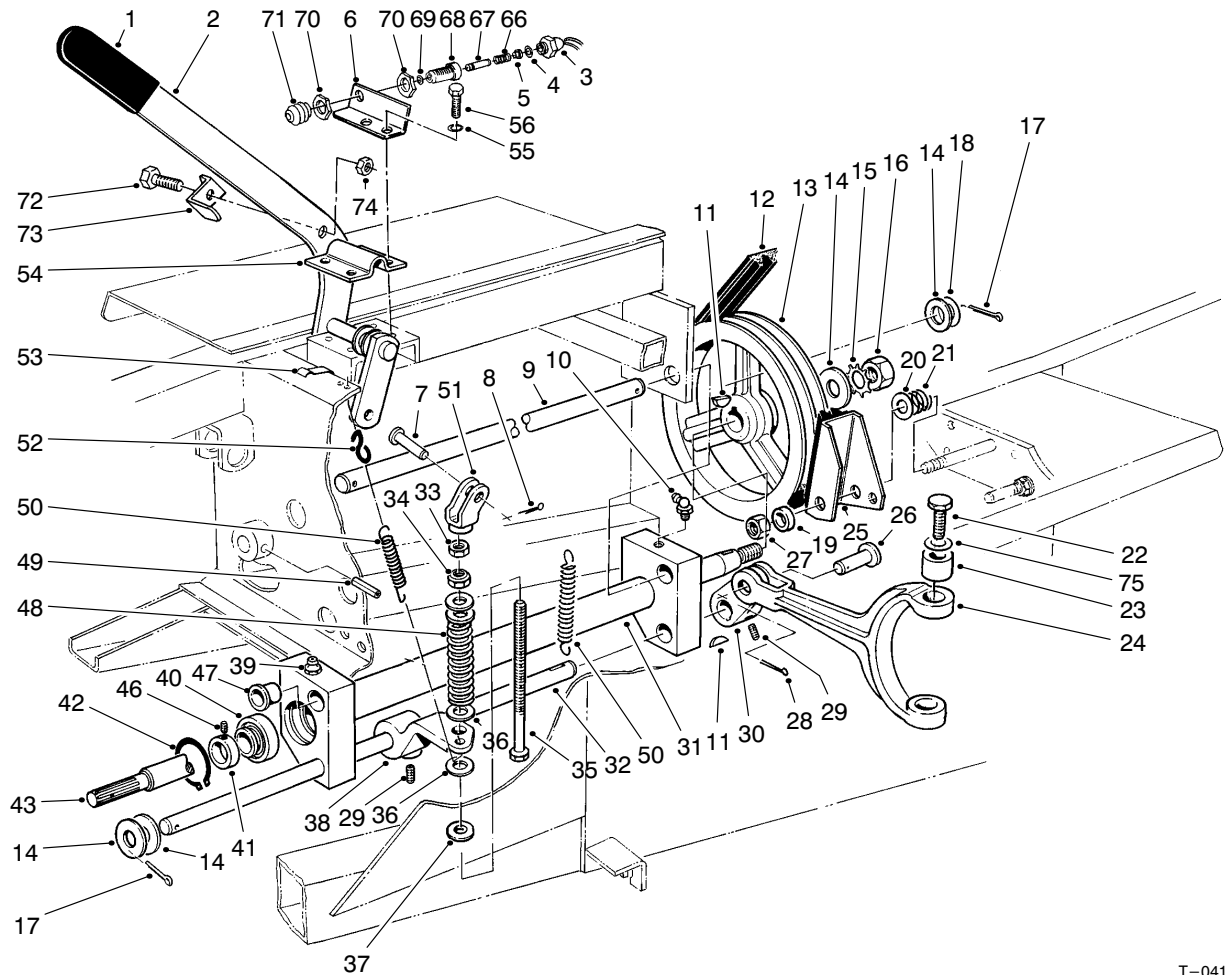
T-1186-1

## INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74-0720	Tube - Manual	1
3	2412-133	R-Clamp	2
4	67-8820	Hinge, R.H.	1
5	43-3900	Guard - Fan Belt	1
6	3234-14	Screw - HH	5
10	67-8810	Hinge L.H.	1
11	3234-32	Screw - Flange	2
12	67-8190	Bracket - Engine Support	2
13	3234-11	Screw - Flange	6
14	3290-357	Nut - Flange	6
16	3234-17	Screw - HH	4
18	212-93	Wire Clip	2
20	72-4320	Switch - Ball	1
21	322-2	Screw - HH	2
22	3256-23	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
23	237-30	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	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 - Tap	2
34	93-8472	Guard - Flywheel	1
*	43-9071	Asm. - Switch (Incl. Ref. #20, 23-30; Qty. 1 of #29)	1

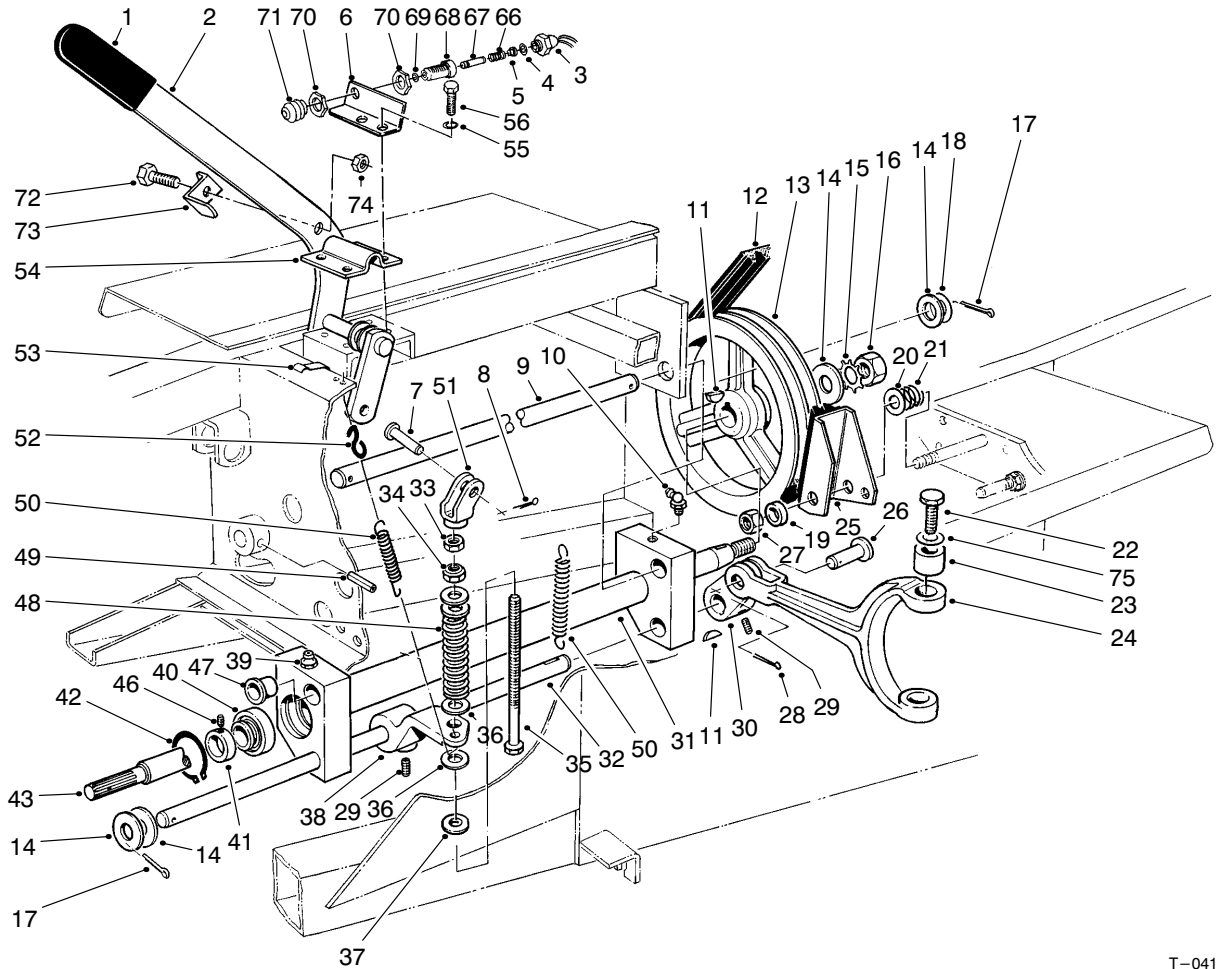
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T-0413-2

## POWER TAKE OFF (PTO) ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-1880	Grip - Handle	1	27	3296-28	Nut - Lock	1
2	84-8500	Lever - PTO	1	28	3272-11	Pin - Cotter	1
3	72-4320	Switch - Ball	1	29	3246-3	Screw - Set	4
4	237-30	O-Ring	1	30	92-4058	Arm - PTO	1
5	43-8610	Guide - Spring & Ball Seat	1	31	43-5500	Pivot - PTO	1
6	84-8520	Bracket - PTO Switch	1	32	43-5550	Shaft - Actuator, PTO	1
7	283-42	Pin - Clevis	1	33	3219-3	Nut - Hex.	1
8	3272-6	Pin - Cotter	1	34	3296-6	Nut - Lock	1
9	43-3860	Shaft - Pivot, PTO	1	35	27-7900	Screw - Adjusting	1
10	302-10	Fitting - Grease	1	36	3256-41	Washer - Flat	4
11	3257-5	Key - Woodruff	3	37	5-0652	Spacer	1
12	53-9660	V-Belt Torque Team	1	38	43-5570	Arm - Actuator, PTO	1
13	21-0230	Pulley - PTO	1	39	302-2	Fitting - Grease	1
14	3256-28	Washer - Flat	4	40	251-252	Bearing - Ball	2
15	3254-7	Washer - Lock	1	41	251-234	Collar - Lock	2
16	3219-7	Nut - Hex.	1			(Incl. Ref. #41)	
17	3272-22	Pin - Cotter	2			(Incl. Ref. #46)	
18	3-6498	Washer	A/R	42	32120-22	Ring - Retaining	2
19	3-8812	Spacer	1	43	43-5540	Shaft - PTO	1
20	3256-6	Washer - Flat	1	46	3245-1	Screw - Set	2
21	5-1747	Spring	1	47	256-113	Bushing - Flange	4
22	92-5727	Screw - HH	2	48	21-0400	Spring - Compression	1
23	92-5723	Bushing - PTO Fork	2	49	32121-9	Pin - Roll	1
24	92-4060	Fork - PTO	1	50	21-1830	Spring - Tension	2
25	27-7370	Asm. - Brake, PTO	1	51	43-5630	Yoke - PTO	1
26	93-3769	Pin - Clevis	1	52	5-0701	Anchor - Spring	1



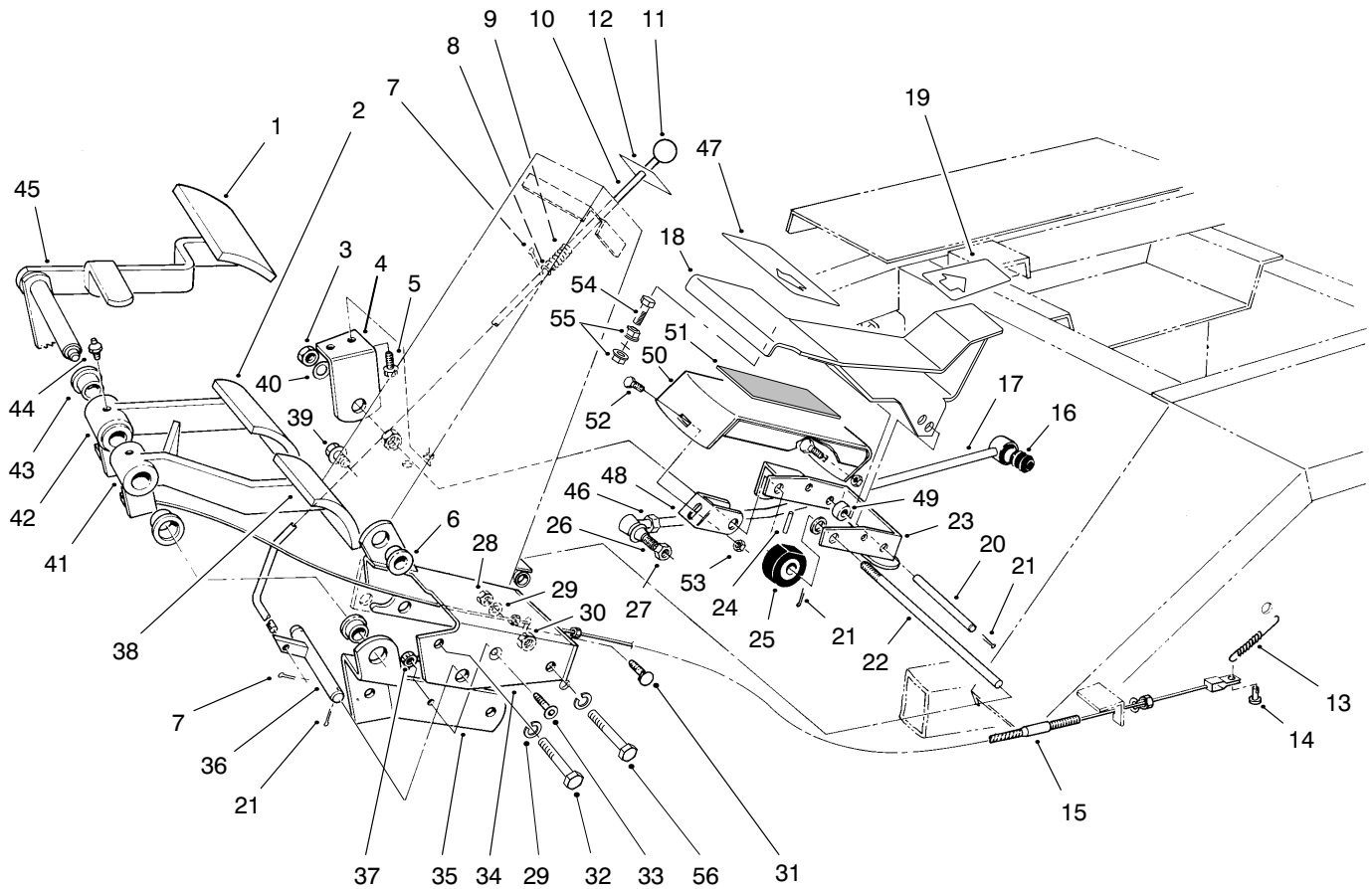
T-0413-2

## POWER TAKE OFF (PTO) ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
53	212-93	Clip - Wire	1
54	21-1600	Clamp - Lever, PTO	1
55	3253-21	Washer - Lock	4
56	32104-6	Screw - Tap	4
66	43-8600	Spring - Compression	1
67	43-8860	Plunger - Switch	1
68	43-8620	Guide - Switch Pin	1
69	237-7	O-Ring	1
70	218-461	Nut - Jam	2

Ref. No.	Part No.	Description	No. Used
71	43-8870	Boot - Switch	1
72	321-4	Screw - HH	1
73	86-7050	Bracket - Switch Actuator	1
74	3296-16	Nut - Lock	1
75	79-9890	Washer - Shim	A/R
*	43-9071	Asm. - Switch (Incl. Ref. #3-5, & 66-71; Qty. 1 of #70)	1

\*Not Illustrated

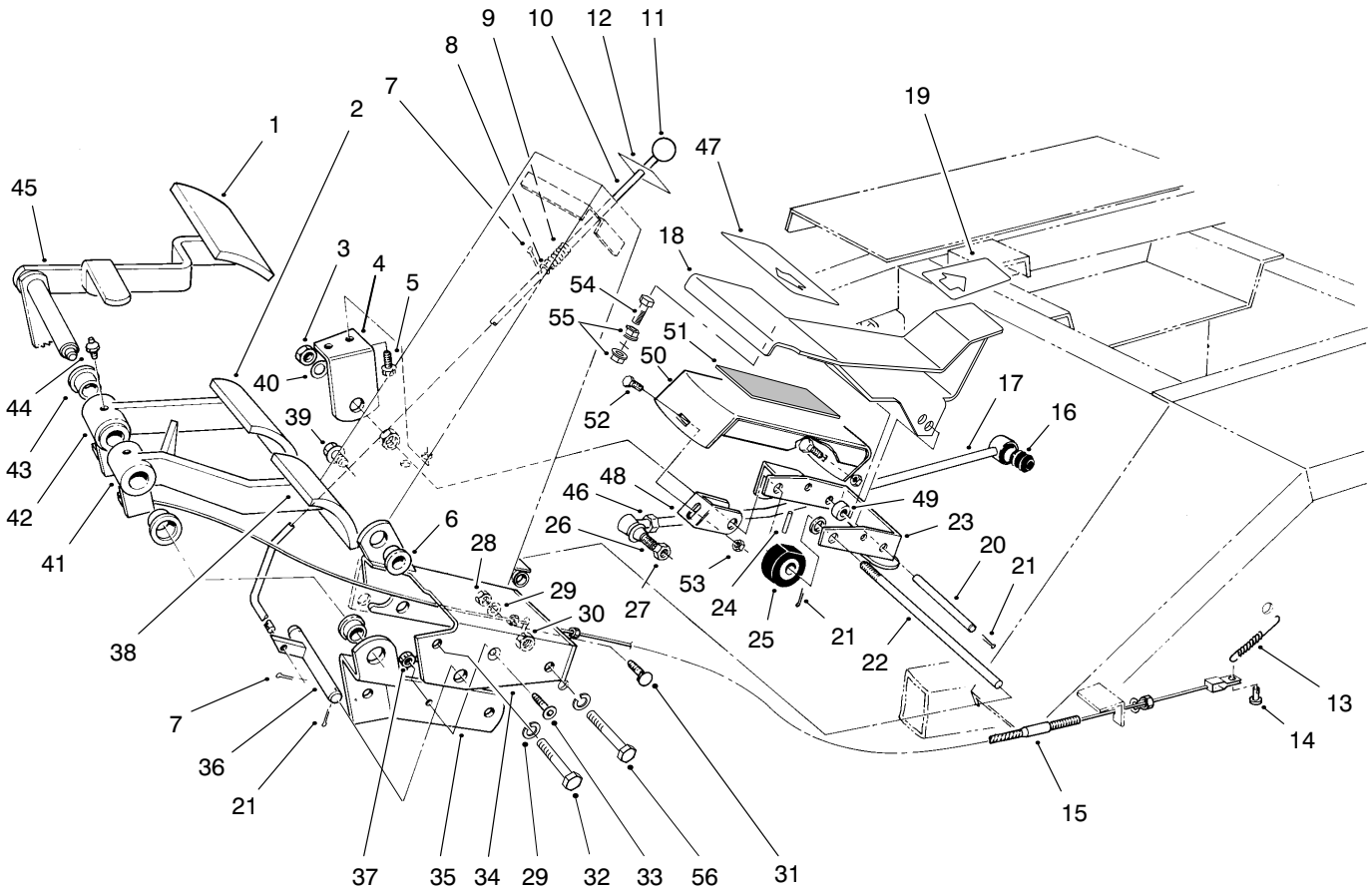


T-0415-4

## BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	93-8742	Pad - Brake	1	25	28-5220	Wheel - Friction	1
2	93-8743	Pad - Turn	2	26	21-0141	Asm. - Socket, R.H.	1
3	3218-5	Nut - Jam	2	27	3220-3	Nut - Jam	1
4	21-2850	Mount - R.H. Pedal	1	28	3217-7	Nut - Hex	2
5	11-0590	Screw - Tap	2	29	3253-21	Washer - Lock	4
6	256-156	Bushing	5	30	32153-2	Nut - Lock	2
7	3272-5	Pin - Cotter	3	31	3231-21	Bolt - Carriage	2
8	3256-22	Washer - Flat	1	32	323-13	Screw - HH	1
9	95-1821	Spring - Compression	1	33	3274-47	Screw - HSFH	1
10	82-8670	Rod - Brake Latch	1	34	27-7590	Mount - Brake	1
11	233-17	Knob	1	35	27-9270	Mount - Brake Pivot Shaft	1
12	93-7831	Decal - Parking Brake	1	36	27-7640	Shaft - Brake Latch	1
13	3-7243	Spring - Extension	2	37	32149-2	Nut	1
14	283-58	Pin - Clevis	2	39	3234-11	Screw - HH	3
15	21-3380	Cable - L.H. Brake	1	40	3256-26	Washer - Flat	1
*	21-3370	Cable - R.H. Brake	1	41	27-7490	Pedal - L.H. Brake (Incl. Ref. #43)	1
16	23-2270	Bushing - Rubber	1	42	27-7510	Pedal - R.H. Brake (Incl. Ref. #43)	1
17	23-2240	Rod - Pump Control	1	43	256-10	Bushing	4
18	94-3304	Pedal - Traction	1	44	302-5	Fitting - Grease	2
19	94-3308	Pad - Pedal Rear	1	45	27-8550	Pedal - Parking Brake	1
20	88-1640	Pin - Traction Pedal	1	46	3220-5	Nut - Jam	1
21	3272-6	Pin - Cotter	6	47	94-3307	Pad - Front Pedal	1
22	88-1650	Shaft - Traction Pedal	1	48	88-1680	Bracket - Footrest	1
23	88-1670	Bracket - Pivot (Inc. Ref. #6)	1	49	88-0470	Tube - Pedal, Spacer	1
24	32121-6	Pin - Roll	1				

\*Not Illustrated

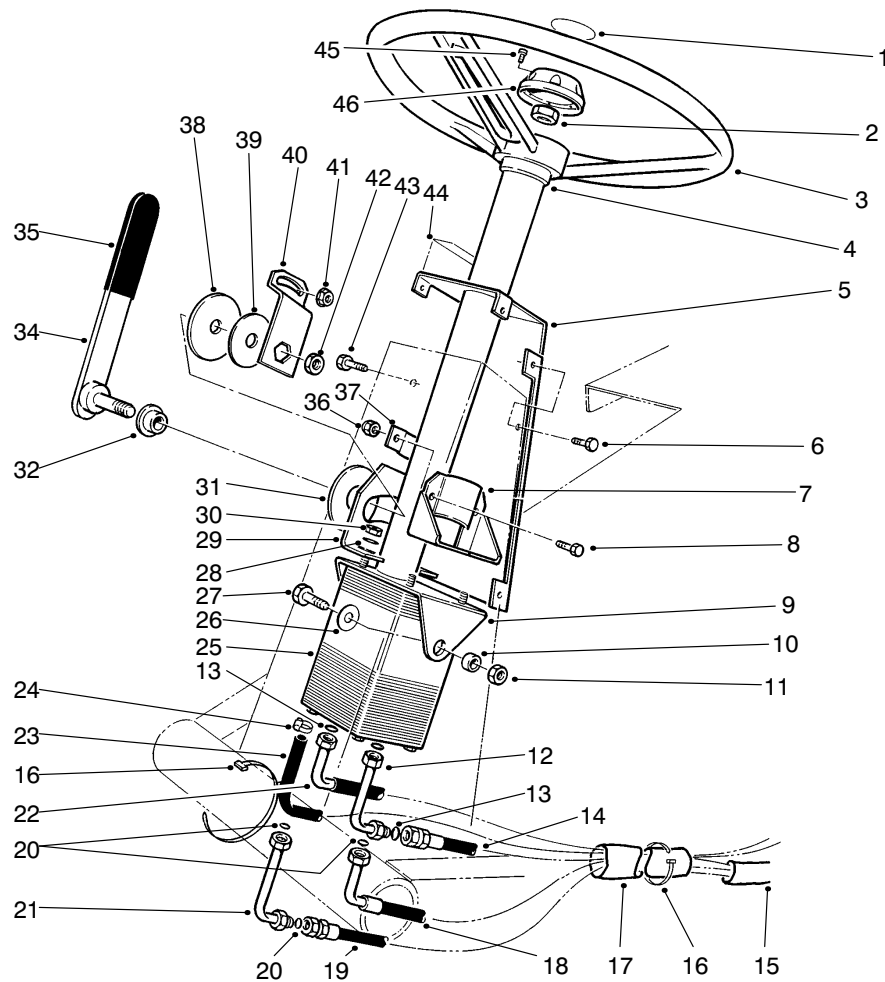


T-0415-4

## BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
50	88-1710	Footrest	1
51	88-1720	Pad - Footrest	1
52	3230-1	Bolt - Carriage	2
53	32128-25	Nut - Flange	2

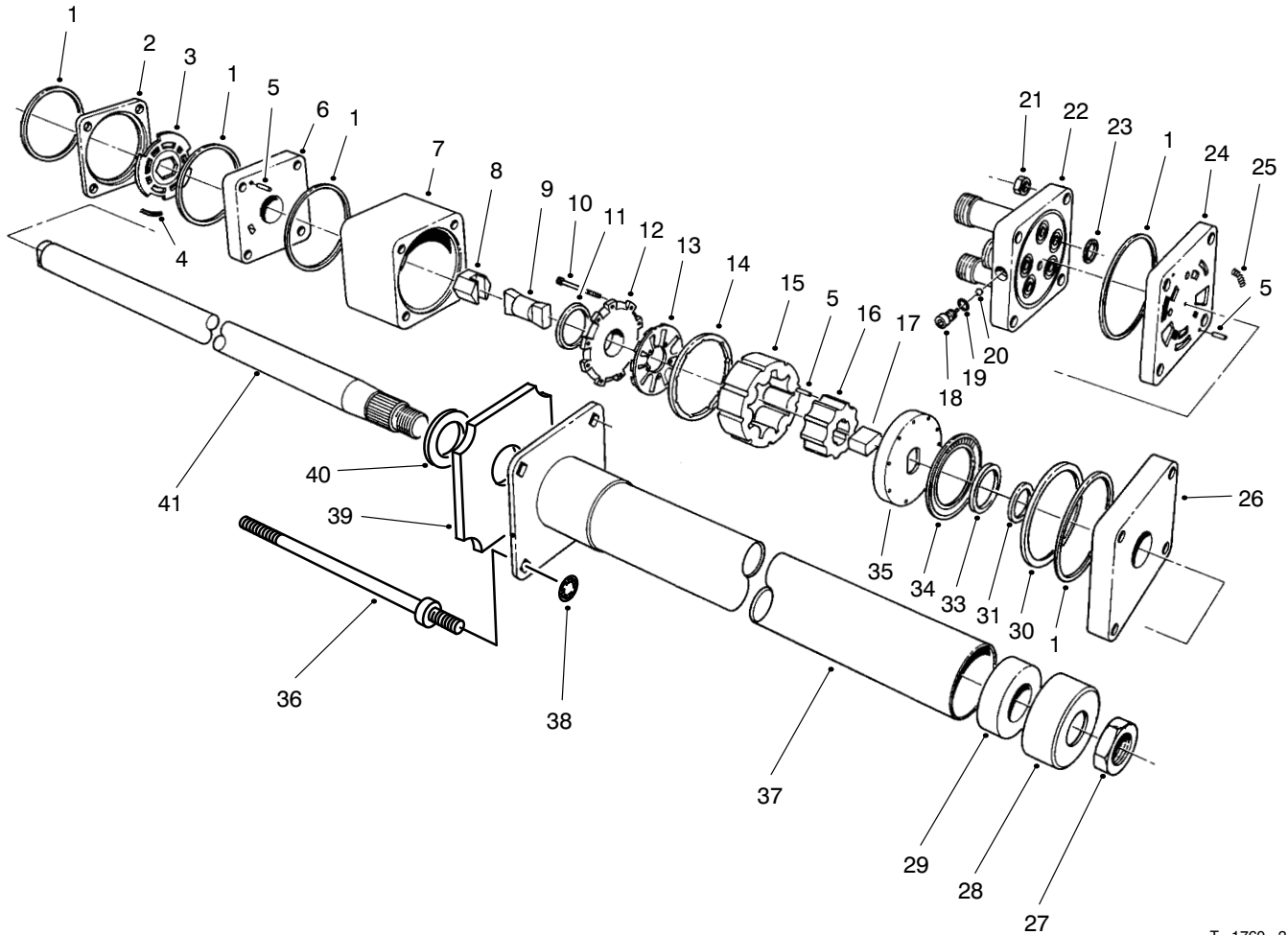
Ref. No.	Part No.	Description	No. Used
54	323-42	Screw - Cap Hex. Hd.	1
55	32128-43	Nut - Flange Lock	2
56	323-14	Screw - HH	1



T-1187-2

## POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	68-5370	Decal - Toro	1	23	63-8990	Hose	1
2	66-9760	Nut - Hex.	1	24	2412-36	Clamp	2
3	75-0560	Asm. - Steering Wheel (Incl. Ref. #45 & 46)	1	25	92-7308	Valve - Power Steering	1
4	21-9260	Cover - Dust	1	26	3256-46	Washer - Flat	2
5	82-8660	Cover - Tower	1	27	323-6	Screw - HH	2
6	32144-10	Screw - Tap	6	28	3256-3	Washer - Flat	4
7	67-8690	Support - Column	1	29	80-2940	Plate - Pivot	1
8	3234-17	Screw - HH	2	30	3296-20	Nut - Lock	4
9	77-3120	Bracket - Mount, Column	1	31	31-0390	Disc - Friction	1
10	80-2960	Spacer - Tower	2	32	80-2980	Boss - Pin	1
11	32153-2	Nut - Hex.	2	34	93-1353	Lever - Steering Tilt	1
12	82-8760	Elbow	1	35	21-1880	Grip - Handle	1
13	237-30	O-Ring	3	36	3296-29	Nut - Lock	2
14	63-8970	Hose - Trans. to Steering	1	37	82-8650	Clamp - Half	1
15	70-1390	Sleeve - Protective	1	38	82-9010	Disc - Friction	1
16	3290-379	Tie - Cable	3	39	80-2930	Washer	1
17	70-1380	Sleeve - Protective	1	40	80-2880	Bracket - Steering, Tilt	1
18	68-9730	Hose - Steering to Cylinder	1	41	32128-20	Nut - Flange	1
19	68-9720	Hose - Cylinder to Steering	1	42	3218-7	Nut - Jam	1
20	237-22	O-Ring	3	43	322-4	Screw - HH	1
21	82-8770	Elbow	1	44	82-8940	Decal - Steering, Tilt	1
22	63-8980	Hose - Aux. to Valve	1	45	32144-21	Screw - PPH	1
				46	68-5140	Cap - Steering Wheel	1



T-1760-2

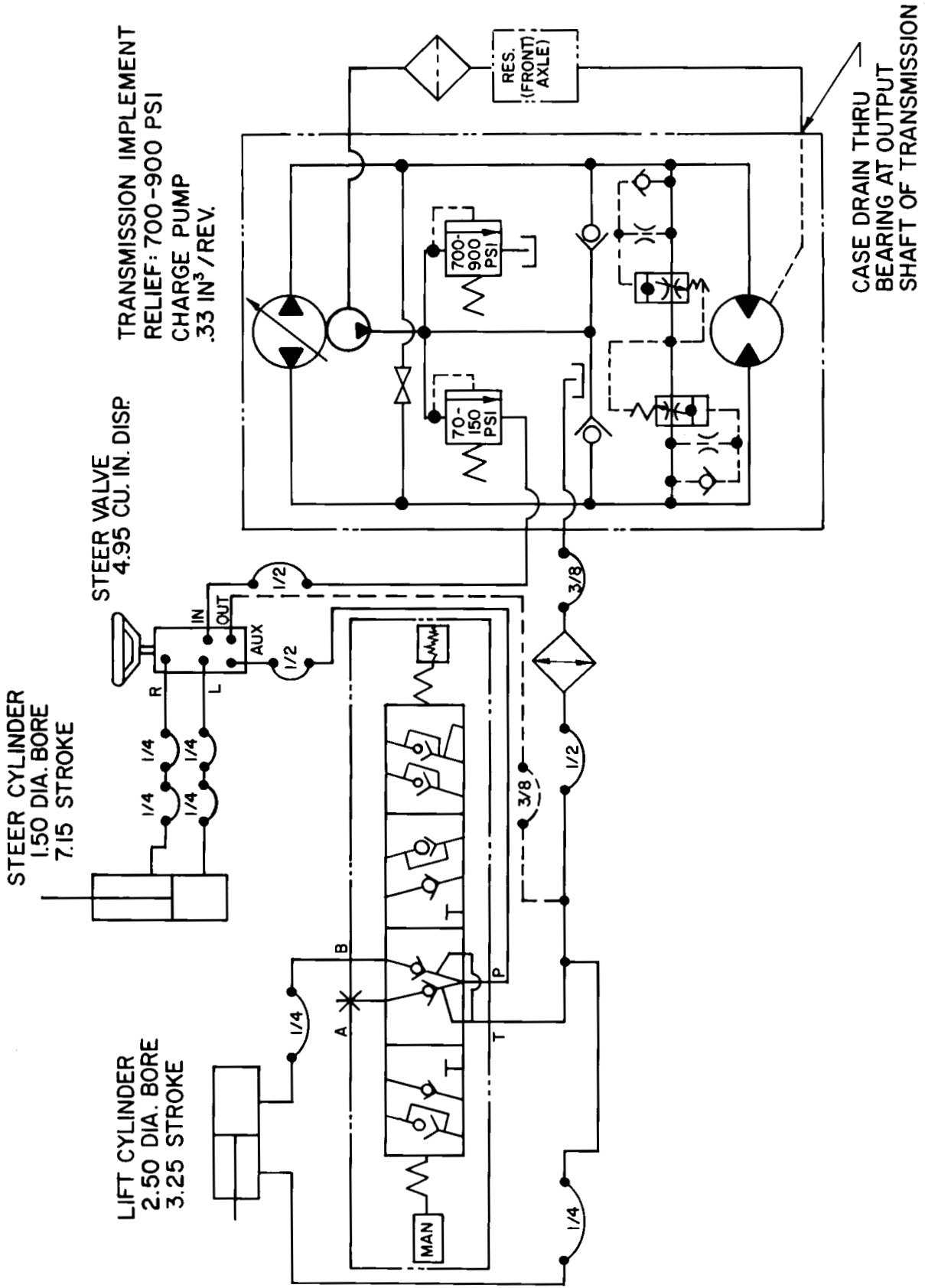
## POWER STEERING VALVE ASSEMBLY NO. 92-7308

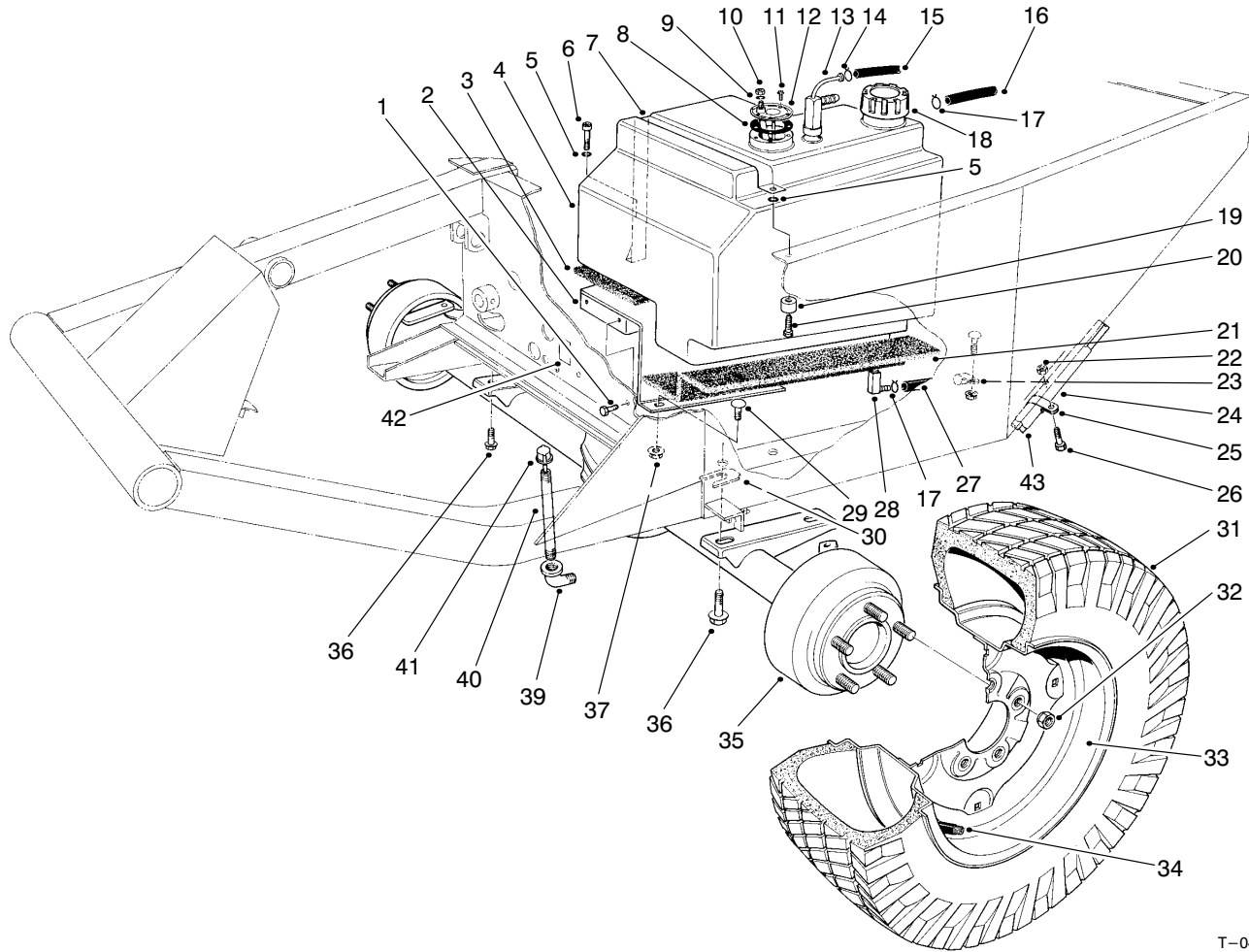
Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	1
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Asm. - Hex Drive	1
9		Link - Drive	1
10		Screw - HSH	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator	1
14		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	66-9780	Bushing	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	Asm. - Column (Incl. Ref. #27-29 & 37-41)	1

\*Not Illustrated

# HYDRAULIC SCHEMATIC





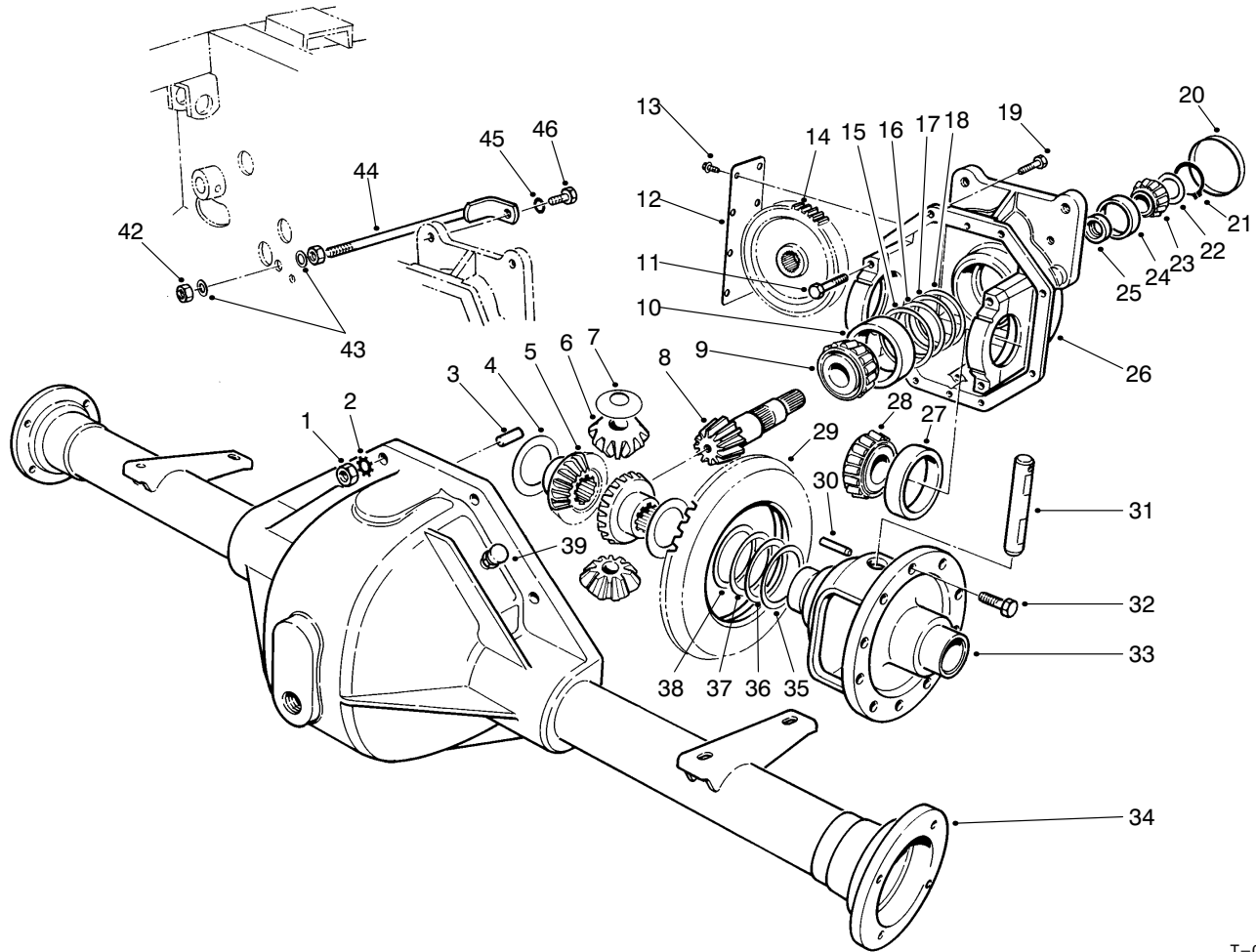
T-0419-1

## FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234-11	Screw - HF	2
2	68-9760	Base - Fuel Tank	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 - HH	1
7	37-9550	Strap - Fuel Tank	1
8	62-7650	Gasket	1
9	3253-17	Washer - Lock	1
10	3219-14	Nut - Hex.	1
11	32144-53	Screw - Tap	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 - HH	1
21	21-3610	Foam - Tank Support	1
22	3296-20	Nut - Lock	2
23	2412-4	Clamp	1
24	56-7980	Sleeve - Protective	1

Ref. No.	Part No.	Description	No. Used
25	2412-126	R-Clamp	1
26	322-4	Screw - HH	1
27	63-9640	Hose Fuel	1
28	43-4190	Asm. - Fitting	1
29	3230-2	Bolt - Carriage	3
30	42-6080	Shim - Axle	A/R
31	231-138	Tire - 6 Ply	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	86-9600	Asm. - Differential	1
36	32144-67	Screw - Tap	4
37	32128-20	Nut - Flange	3
39	2811-9	Street Elbow	1
40	289-37	Pipe Nipple	1
41	23-5180	Dipstick	1
42	93-7823	Decal - Oil	1
43	68-9710	Hose - Steering Cylinder	2
*	231-90	Tube - Inner	2

\*Not Illustrated

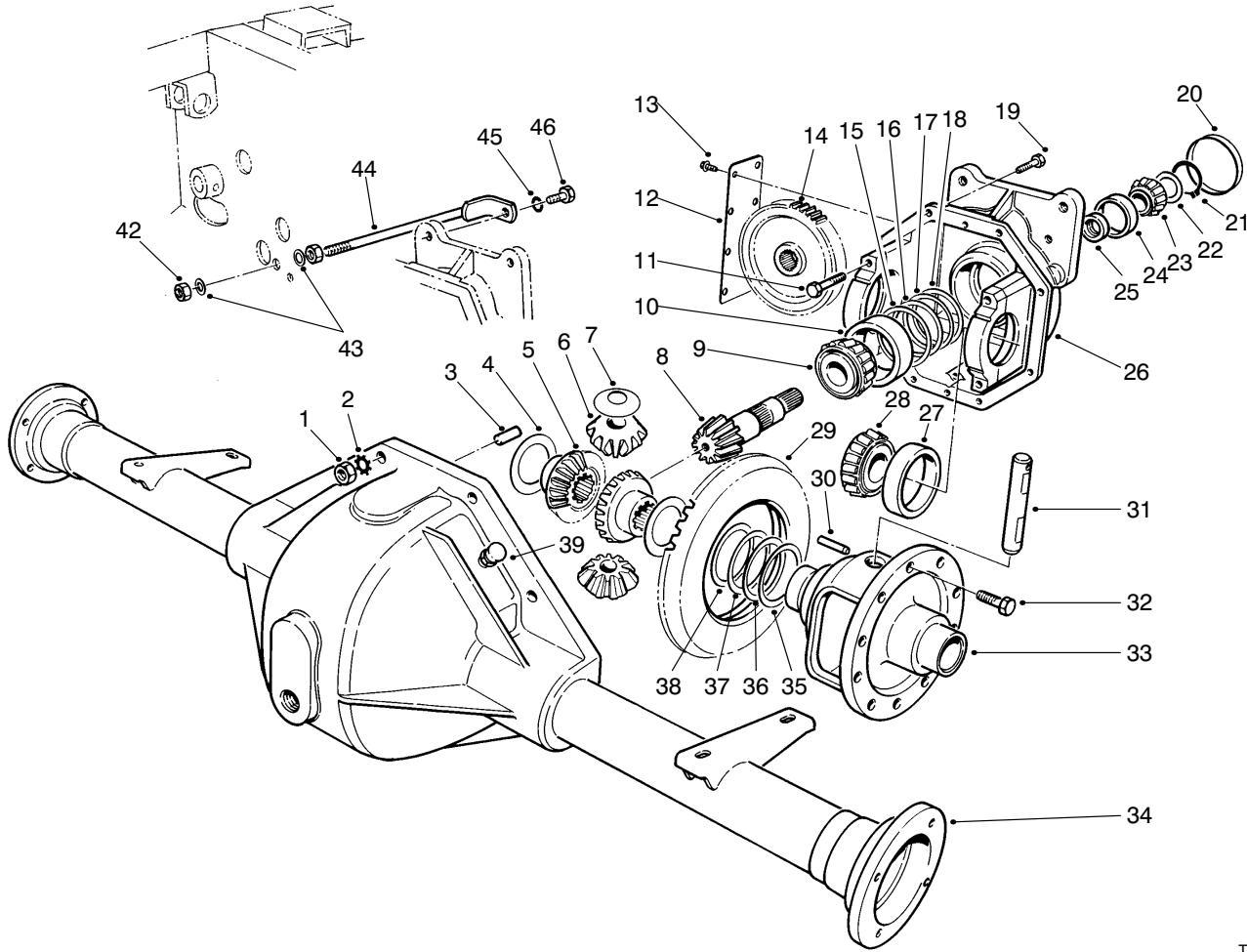


T-0919-2

## DIFFERENTIAL ASSEMBLY NO. 86-9600

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8	*22	46-2212	Shim - Front Pinion Bearing (.035)	A/R
2	3255-8	Washer - Lock	8	*	46-2213	Shim - Front Pinion Bearing (.037)	A/R
3	21-8270	Pin - Dowel	2	*	46-2214	Shim - Front Pinion Bearing (.039)	A/R
4	21-7720	Washer - Thrust	2	*	46-2215	Shim - Front Pinion Bearing (.041)	A/R
5	24-8790	Differential Bevel Gear Side	2	*	46-2216	Shim - Front Pinion Bearing (.043)	A/R
6	21-7690	Pinion Gear	2	*	46-2220	Shim - Front Pinion Bearing (.045)	A/R
7	21-7730	Washer - Thrust	2	*	46-2221	Shim - Front Pinion Bearing (.047)	A/R
8		Drive Pinion (Incl. Ref. #29)	1	*	46-2222	Shim - Front Pinion Bearing (.049)	A/R
9	43-6760	Roller Bearing Cone	1	*	46-2223	Shim - Front Pinion Bearing (.051)	A/R
10	43-6750	Roller Bearing Cup	1	*	46-2224	Shim - Front Pinion Bearing (.053)	A/R
11	92-1773	Screw - HH	4	*	46-2225	Shim - Front Pinion Bearing (.055)	A/R
12	21-7830	Gear Cover	1	*	46-2226	Shim - Front Pinion Bearing (.057)	A/R
13	12-5450	Thread Forming Screw	8	*	46-2410	Shim - Front Pinion Bearing (.062)	A/R
14	86-7230	Spur-Gear	1				
15	43-6710	Adjustment Shim .003	A/R				
16	43-6711	Adjustment Shim .005	A/R				
17	43-6712	Adjustment Shim .010	A/R				
18	43-6713	Adjustment Shim .030	A/R				
19	3210-7	Screw - HH	8				
20	21-7850	Cup - Plug	1				
21	43-6550	Ring - Retaining	1				
22	46-2210	Shim - Front Pinion Bearing (.031)	A/R				
*	46-2211	Shim - Front Pinion Bearing (.033)	A/R				

\*Not Illustrated



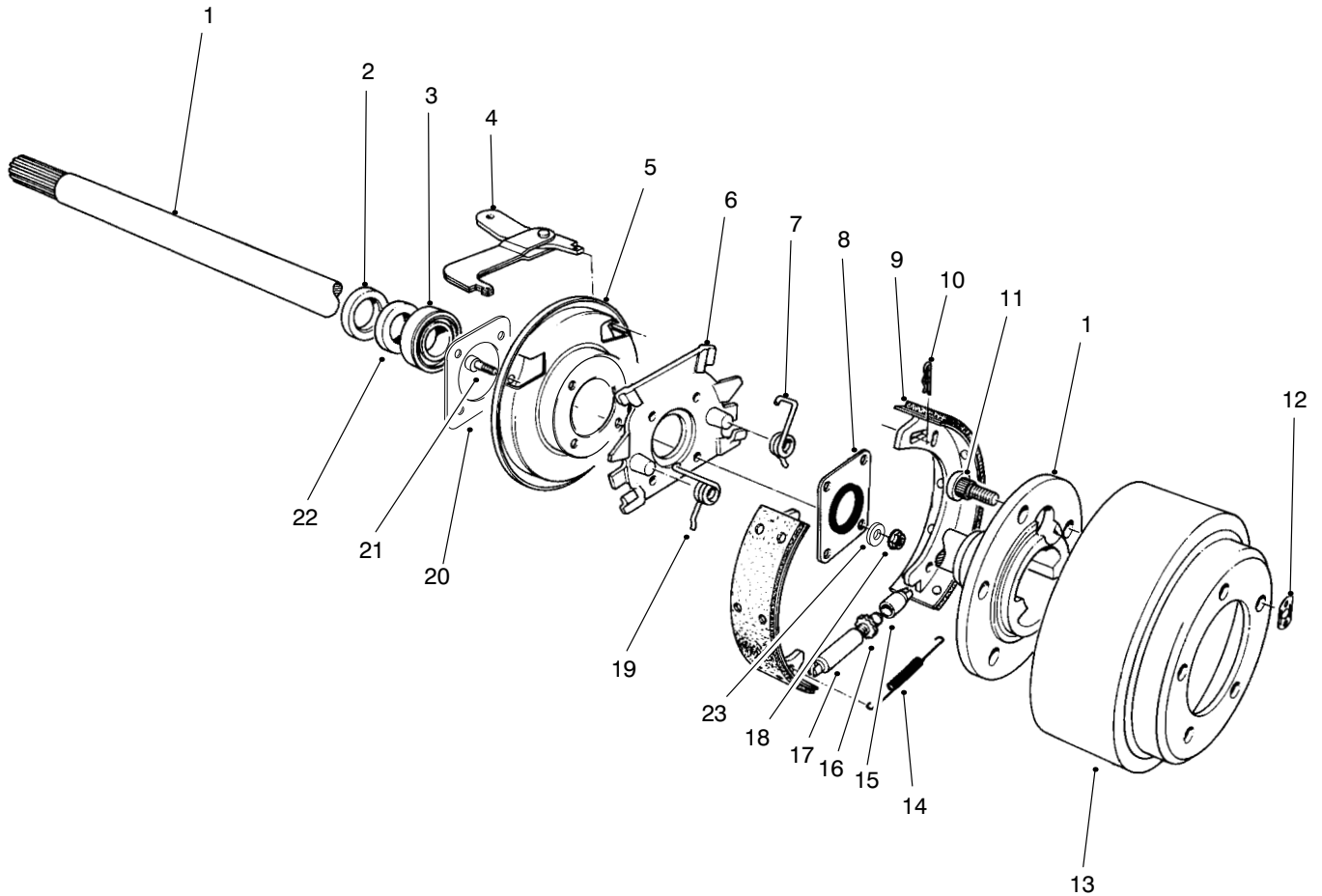
T-0919-2

## DIFFERENTIAL ASSEMBLY NO. 86-9600 (Continued)

Ref. No.	Part No.	Description	No. Used
22	46-2411	Shim - Front Pinion Bearing (.064)	A/R
*	46-2412	Shim - Front Pinion Bearing (.066)	A/R
*	46-2413	Shim - Front Pinion Bearing (.068)	A/R
*	46-2414	Shim - Front Pinion Bearing (.070)	A/R
*	46-2415	Shim - Front Pinion Bearing (.072)	A/R
*	46-2416	Shim - Front Pinion Bearing (.074)	A/R
*	46-2420	Shim - Front Pinion Bearing (.076)	A/R
*	46-2421	Shim - Front Pinion Bearing (.078)	A/R
*	46-2422	Shim - Front Pinion Bearing (.080)	A/R
*	46-2423	Shim - Front Pinion Bearing (.082)	A/R
*	46-2424	Shim - Front Pinion Bearing (.084)	A/R
*	46-2425	Shim - Front Pinion Bearing (.086)	A/R
*	46-2426	Shim - Front Pinion Bearing (.088)	A/R
23	254-91	Bearing Cone	1

\*Not Illustrated

Ref. No.	Part No.	Description	No. Used
24	254-90	Bearing Cup	1
25	21-8020	Spacer - Pinion Bearing	1
26	86-9580	Upper Housing (Incl. Ref. #11)	1
27	254-66	Cup - Tapered Bearing	2
28	254-65	Cone - Tapered Bearing	2
29		Ring Gear	1
30	32121-15	Pin - Roll	1
31	21-7700	Pinion Mate Shaft	1
32	21-7770	Drive Gear Screw	5
33	21-7670	Differential Case	1
34	43-6840	Lower Housing	1
35	21-8120	Adjustment Shim .030	A/R
36	21-8110	Adjustment Shim .010	A/R
37	21-8100	Adjustment Shim .005	A/R
38	21-8090	Adjustment Shim .003	A/R
39	72-9420	Asm. - Vent Tube	1
42	3217-9	Nut	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
*	92-4903	Asm. - Upper Hsg. 2WD (Incl. Ref. #4-33 & 35-38)	1
*	92-4848	Asm. - Gear & Pinion (Incl. Ref. #8 & 29)	1

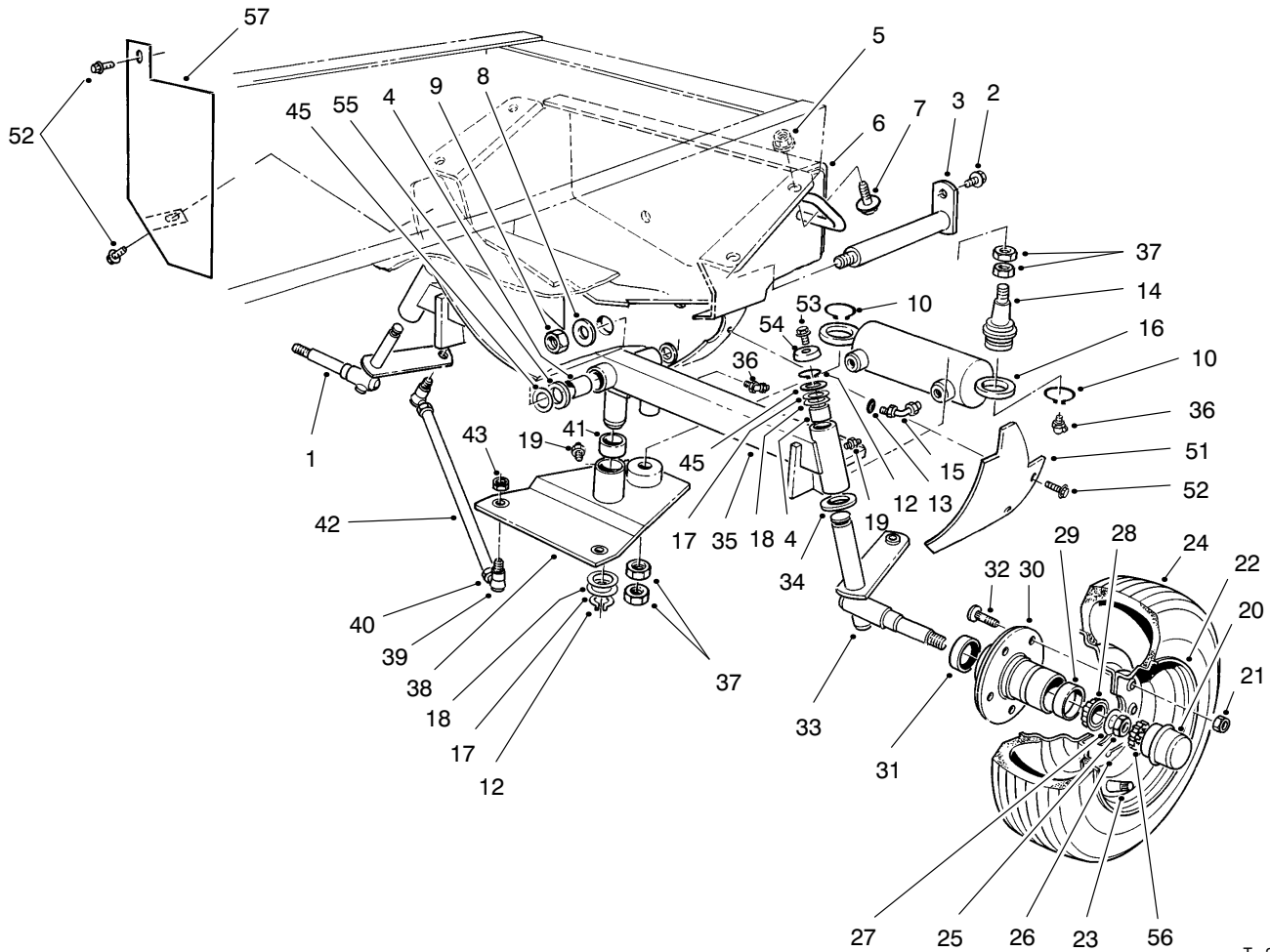


T-0421-3

## BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	28-0650	Shaft - Flanged Axle	2	13	28-0680	Drum - Brake	2
2	92-1774	Oil Seal	2	14	21-9440	Spring - Adjusting Screw	2
3	21-8180	Bearing	2	15	21-9390	Socket - Adjusting Screw	2
4	24-9180	Strut & Lever Parking Brake	2	16	21-9370	Screw - Adjusting	2
5	21-9450	Dust Shield	2	17	21-9380	Nut - Pivot	2
6	43-6810	Torque - Spider	2	18	94-6935	Nut - Lock	8
7	21-9430	Spring - Shoe Return R.H.	2	19	21-9420	Spring - Shoe Return L.H.	2
8	28-0670	Seal - Oil	2	20	93-7416	Insert - Shield, Dust	2
9	84-8600	Asm. - Shoe & Lining (Set of 4)	1	21	94-6934	Screw - Socket Head	8
10	21-9460	Retainer - Brake Lever	4	22	24-8840	Ring - Wheel Bearing	2
11	242-34	Stud - Axle Flange	10	23	94-6936	Washer	8
12	21-8360	Clip - Retaining	2	*	92-8775	Kit - Gasket, Liquid	2

\*Not Illustrated



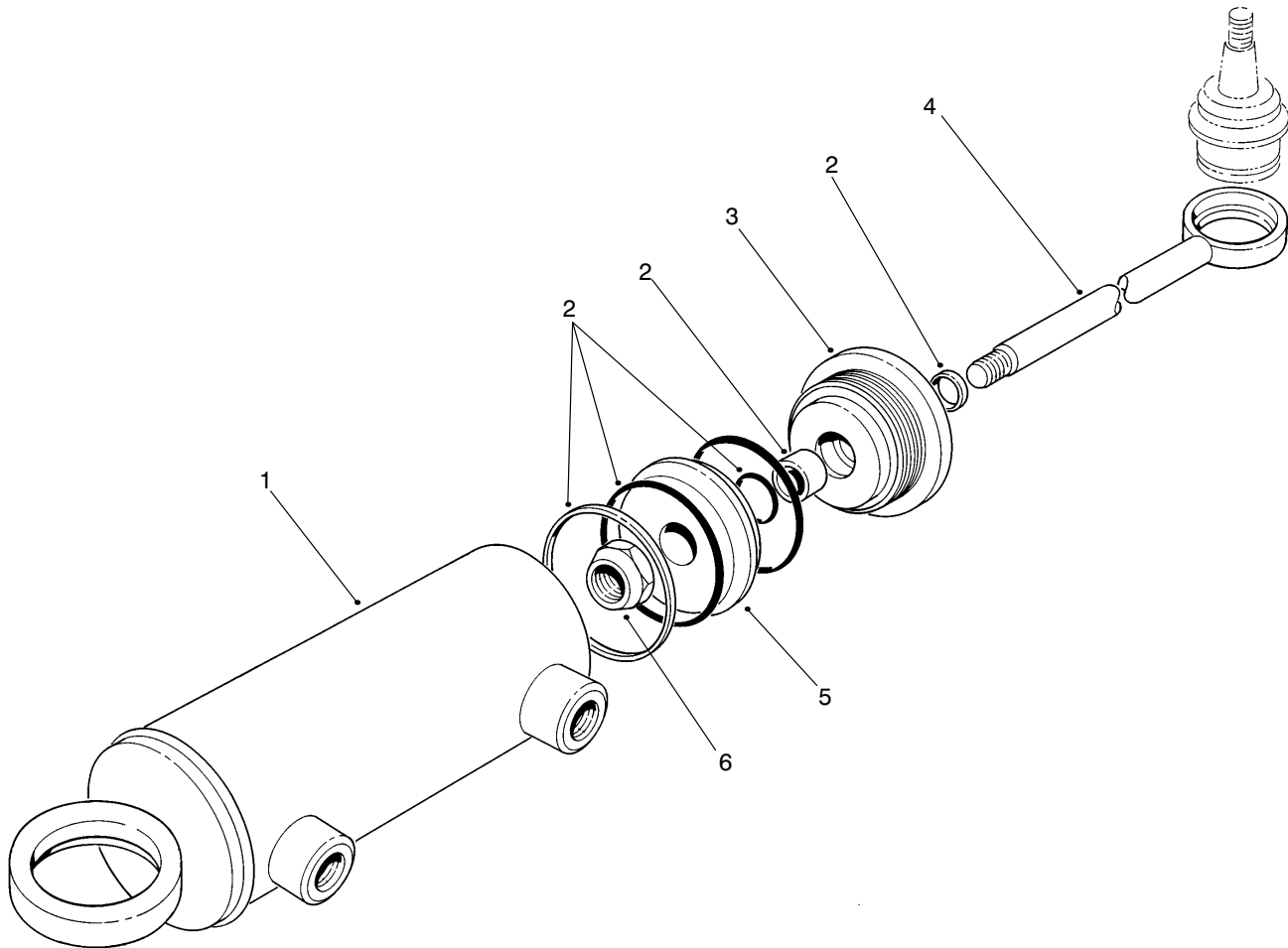
T-2406-1

## REAR AXLE & WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93-3199	Asm. - Spindle R.H.	1
2	32144-14	Screw - Tap	1
3	92-7807	Pin - Rear Axle	1
4	67-1750	Bushing	6
5	32128-23	Nut - Flange	4
6	92-7803	Support - Axle	1
7	3234-32	Screw - HHF	4
8	71-4540	Washer - Thrust	A/R
9	32146-20	Nut - Lock	1
10	32151-104	Ring - Retaining	2
11	302-40	Fitting - Grease	2
12	32151-36	Ring - Retaining	3
13	237-22	O-Ring	1
14	92-5938	Ball Joint	2
15	340-54	Fitting 45°	2
16	92-7828	Cylinder - Hydraulic	1
17	5-1226	Washer	3
18	10-8110	Washer - Thrust	A/R
19	302-5	Fitting - Grease	3
20	241-119	Dust Cap	2
21	242-50	Nut - Wheel	10
22	217-106	Wheel	2
23	232-31	Valve Stem w/Cap	2
24	231-105	Tire	2
25	3220-7	Nut - Jam	2
26	3272-13	Pin - Cotter	2
27	93-0309	Washer - Tab	2
28	254-94	Cone - Bearing	4

Ref. No.	Part No.	Description	No. Used
29	254-72	Cup - Bearing	4
30	21-2820	Hub Wheel (Incl. Ref. #29 & 32)	2
31	253-129	Closure	2
32	10-6830	Stud - Drive	10
33	93-3198	Asm. - Spindle L.H.	1
34	256-121	Bushing - Thrust	2
35	92-7816	Axle - Rear (Incl. Ref. #4)	1
36	302-11	Fitting - Grease	1
37	3220-6	Nut - Jam	4
38	92-7821	Steering Pivot (Incl. Ref. #41)	1
39	21-0141	Asm. - Socket R.H. Thd.	2
*	21-0151	Asm. - Socket L.H. Thd.	2
40	3220-5	Nut - Jam R.H. Thd.	2
*	3220-12	Nut - Jam L.H. Thd.	2
41	256-242	Bushing	2
42	21-1990	Asm. - Tie Rod	2
43	3220-3	Nut - Jam	8
45	56-2460	Washer	A/R
51	93-7042	Cover - Flywheel Guard	1
52	32144-10	Screw - Tap	4
53	3234-13	Screw - HHF	2
54	66-2990	Cap - Spindle	2
55	92-7845	Spacer - Hardened	1
56	93-0307	Retainer - Nut, Lock	2
57	93-8738	Guard - Flywheel	1

\*Not Illustrated

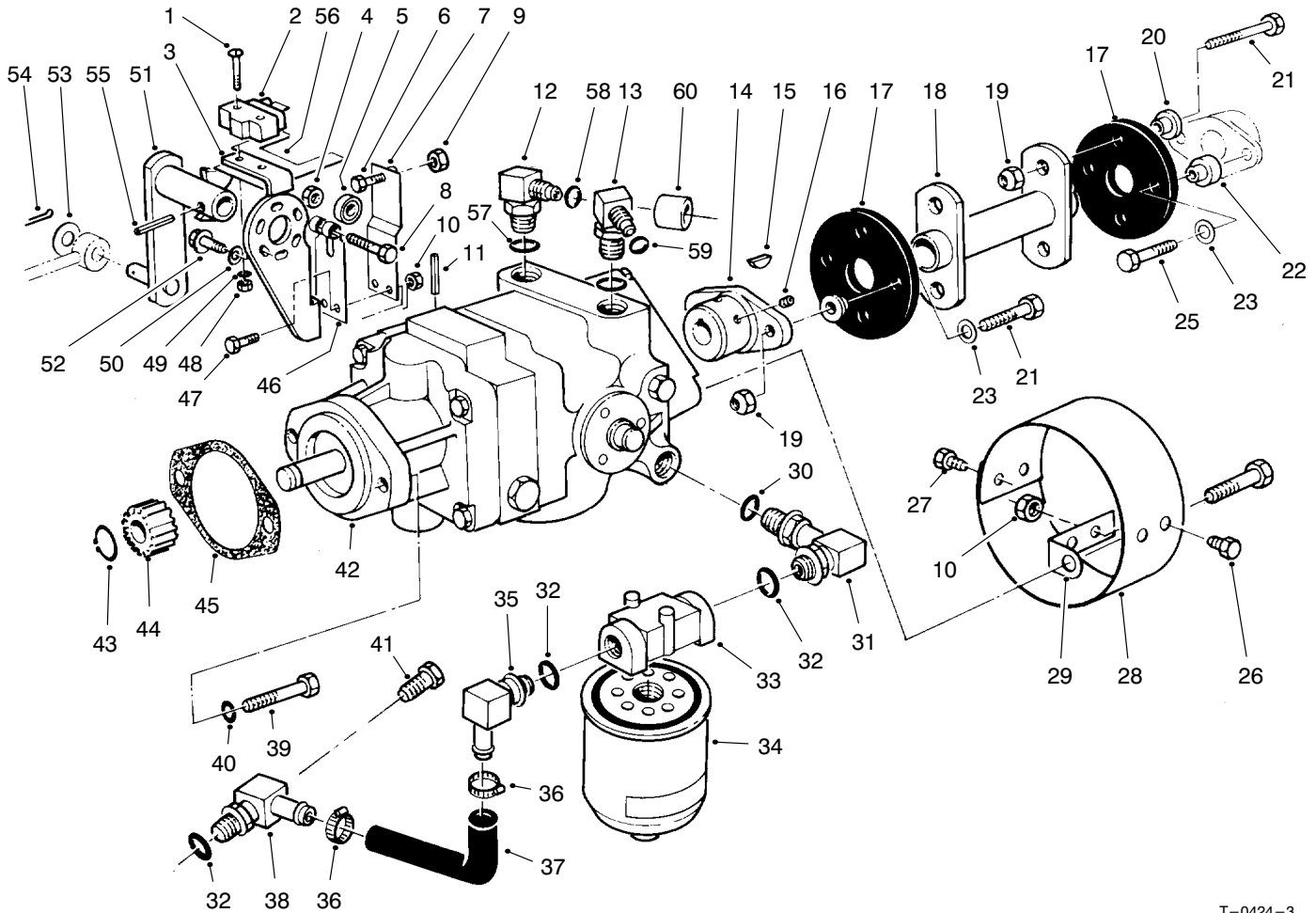


T-1761-2

## HYDRAULIC CYLINDER NO. 92-7828

Ref. No.	Part No.	Description	No. Used
1		Asm. - Tube	1
2	92-6593	Seal Kit	1
3	92-6588	Gland	1

Ref. No.	Part No.	Description	No. Used
4		Asm. - Piston Rod	1
5	66-1940	Piston	1
6	66-1930	Nut - Lock	1

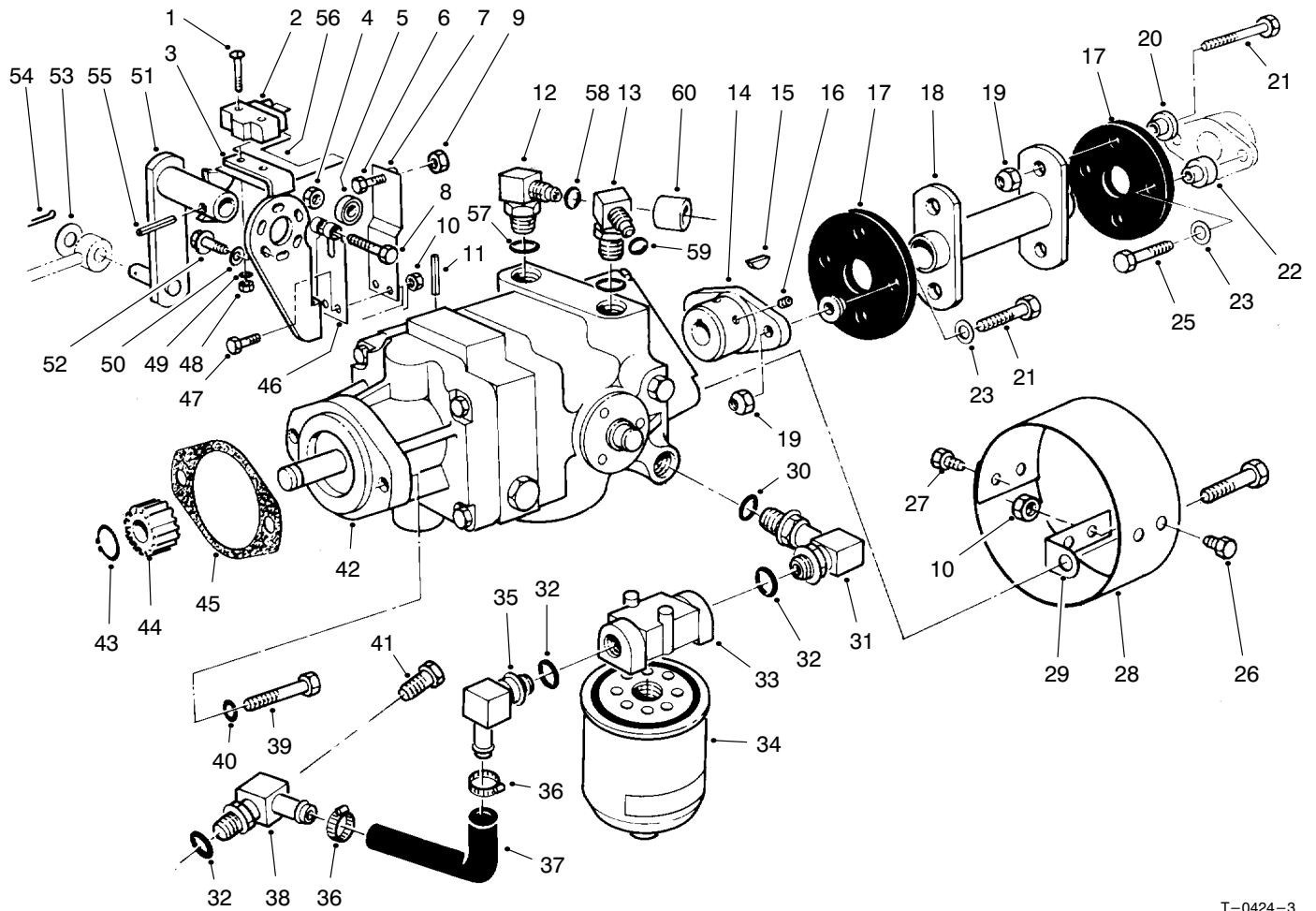


T-0424-3

## TRANSMISSION INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3249-11	Screw - Mach. Rd. Hd.	2
2	29-6163	Micro Switch	1
3	29-6120	Pump Plate	1
4	3296-29	Nut - Lock	1
5	251-259	Bearing - Ball	1
6	3210-7	Screw - HH	1
7	29-6170	Extended Leaf Spring	1
8	322-17	Screw - HH	1
9	3219-2	Nut - Hex	1
10	3296-42	Nut - Lock	6
11	32121-6	Pin - Roll	1
12	340-77	Elbow	1
13	340-99	Elbow	1
14	33-4380	Pump Hub	1
15	3257-32	Key - Woodruff	1
16	3241-5	Screw - Set	2
17	44-2230	Coupling - Rubber	2
18	46-6390	Coupling - Drive	1
19	32152-1	Nut - Lock	8
20	27-6600	Spacer - Rubber Coupling	6
21	322-6	Screw - HH	6
22	27-6590	Spacer - Rubber Coupling	2
23	3256-3	Washer - Flat	4
25	322-8	Screw - HH	2
26	321-2	Screw - HH	2
27	321-4	Screw - HH	2

Ref. No.	Part No.	Description	No. Used
28	54-9300	Cover	1
29	54-9290	Bracket	2
30	237-80	O-Ring	1
31	68-8660	Elbow	1
32	237-81	O-Ring	3
33	68-8990	Head - Filter	1
34	23-9740	Oil Filter	1
35	353-987	Elbow	1
36	2412-34	Clamp - Hose	2
37	68-9650	Hose - Axle	1
38	70-2620	Elbow - 90°	1
39	323-7	Screw - HH	2
40	3253-21	Washer - Lock	2
41	353-508	Plug - Drain	1
42	92-8947	Transmission - Inline	1
43	32120-62	Ring - Retaining External	1
44	86-7220	Gear - Transmission Output	1
45	41-8760	Gasket - Transmission	1
46	29-6150	Leaf Spring	1
47	321-6	Screw - HH	2
48	3217-16	Nut - Hex.	2
49	3254-9	Washer - Lock	2
50	3255-7	Washer - Lock	3
51	28-9570	Pump Lever	1
52	11-9760	Screw - Tap	3
53	3256-6	Washer - Flat	1



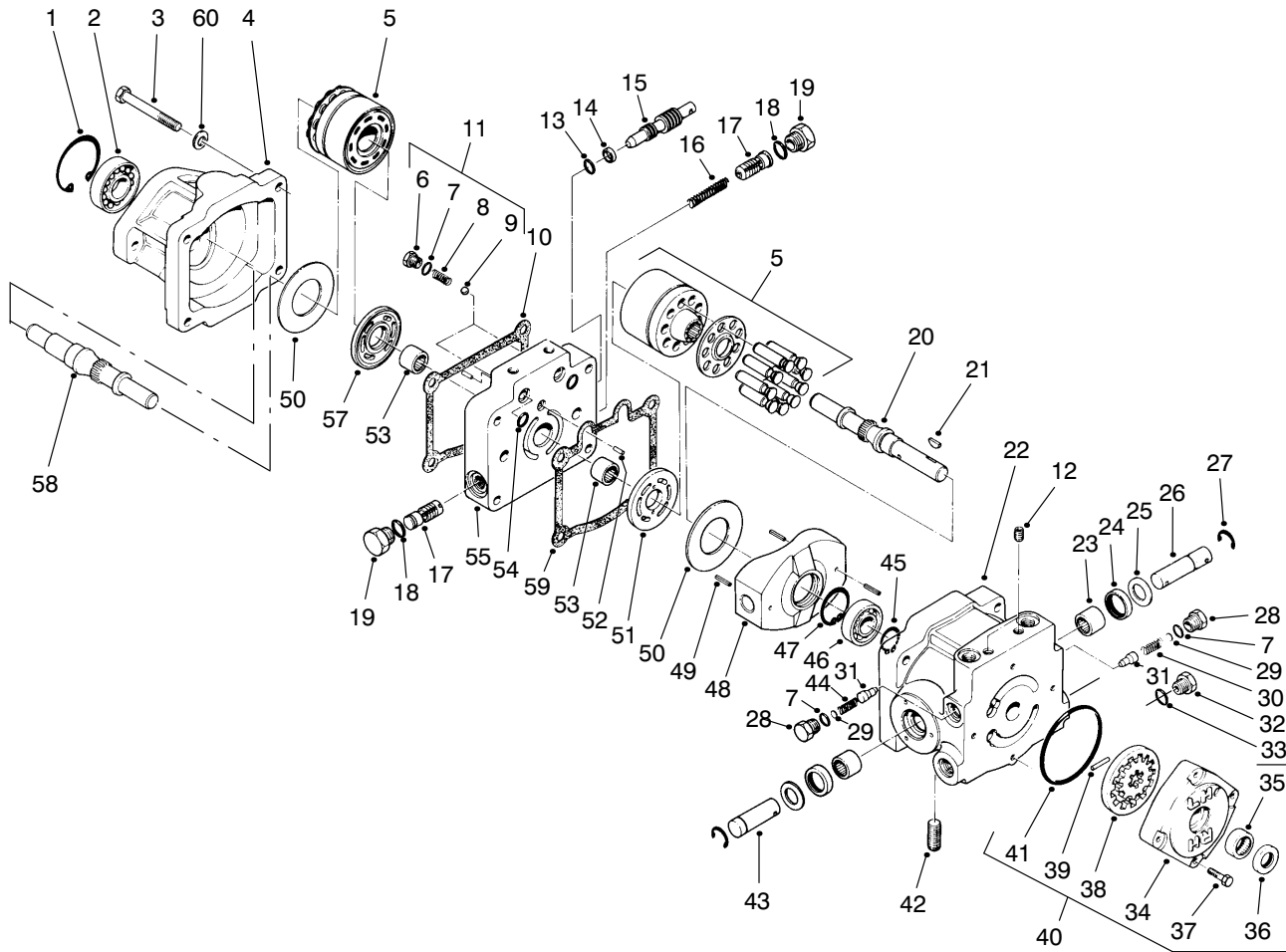
T-0424-3

## TRANSMISSION INSTALLATION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
54	3272-10	Pin - Cotter	1	59	237-30	O-Ring	1
55	32121-24	Pin - Roll	1	60	38-3400	Guard - Rubber	1
56	46-8810	Stop - Leaf Spring	1	*	95-3092	400 Hour Filter Kit (Incl. Ref. #34)	1
57	237-42	O-Ring	2				
58	237-22	O-Ring	1				

\*Not Illustrated

3317-145 REV D

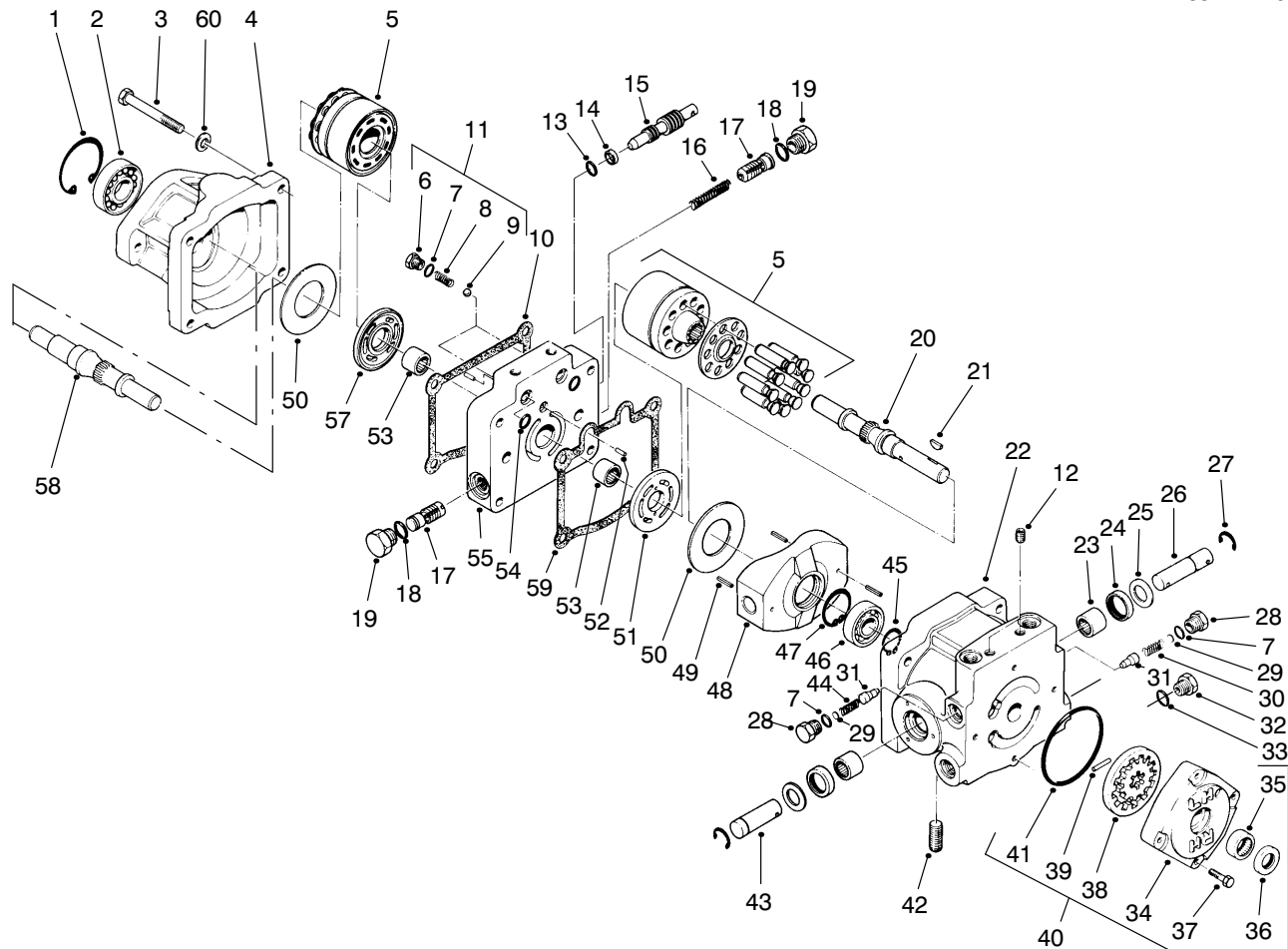


T-0425-2

## 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 - HH	4
4	67-9080	Housing - Motor	1
5	48-1800	Kit - Cylinder Block	2
6	25-2650	Plug - Check Valve	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	Kit - Check Valve (Incl. Ref. #6-9)	2
12	285-17	Plug - Pipe	2
13	237-22	O-Ring	1
14	25-2630	Back-Up Ring	1
15	25-2620	By-Pass Valve	1
16	25-2610	Accel. Valve Spring	1
17	25-2410	Asm. - Accel. Valve	2
18	76-1900	O-Ring	2
19	353-550	Plug - HH	2
20	67-8020	Pump Shaft	1
21	3257-32	Key - Woodruff	1
22	54-7890	Housing - Pump (Incl. Ref. #12 & 23-25)	1
23	252-82	Bearing - Needle	2
24	25-3210	Seal - Lip	2

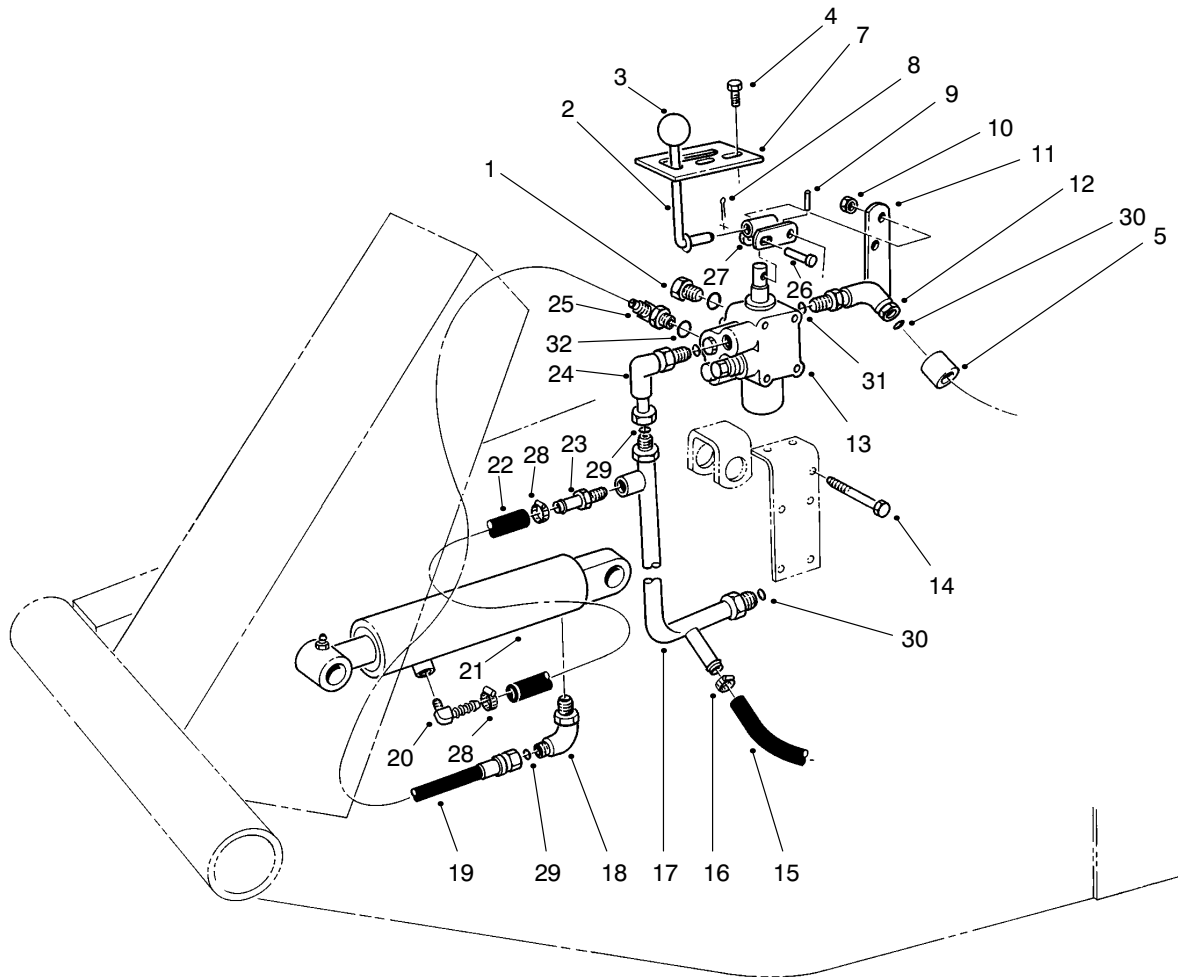
Ref. No.	Part No.	Description	No. Used
25	25-2510	Washer - Flat	2
26	25-2580	Shaft - Trunnion	1
27	32151-46	Ring - Retaining	2
28	25-2460	Plug - HH	2
29	25-2470	Shim Pack	2
30	25-2570	Valve Spring	1
31	25-2560	Cone - Relief Valve	2
32	353-551	Plug - HH	1
33	237-80	O-Ring	1
34	25-2550	Housing - Charge Pump	1
35	67-8050	Bearing - Needle	1
36	93-4133	Seal - Lip	1
37	322-4	Screw - HH	4
38	25-2680	Asm. - Gerotor	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	1
43	25-2500	Shaft - Trunnion	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-0425-2

## TRANSMISSION ASSEMBLY NO. 92-8947 (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	25-2380	Plate - Thrust	2	58	46-8410	Shaft - Motor	1
51	25-2440	Plate - Pump Valve	1	59	25-2400	Gasket	1
52	25-2430	Pin - Dowel	2	60	74-9510	Washer	4
53	46-8400	Bearing - Needle	2	61	92-8776	Plug	4
54	93-4132	O-Ring	2			(Incl. Ref. #62)	4
55	92-8918	Center Section	1	62	92-8777	O-Ring	4
57	25-2390	Plate - Motor Valve	1				

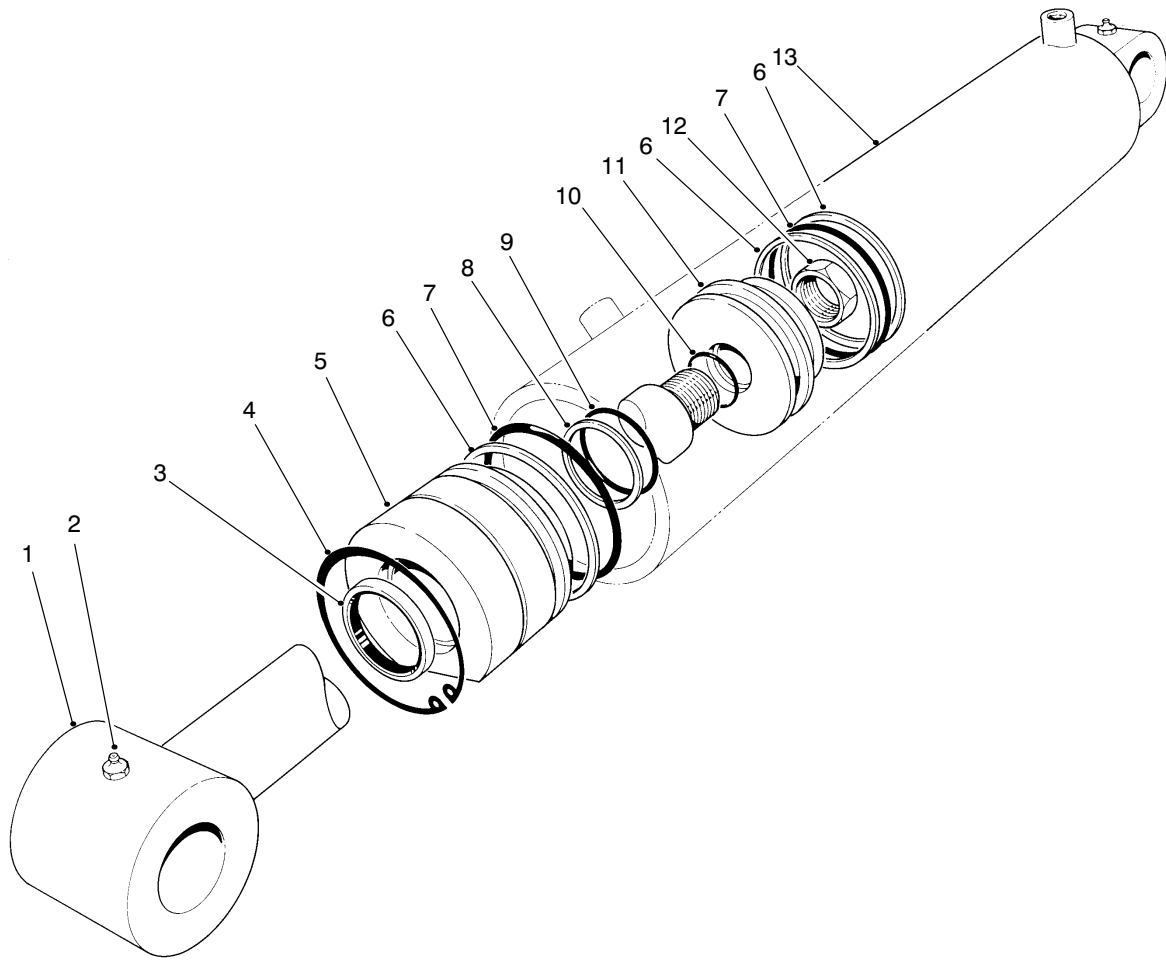


T-0426-2

## VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	353-512	Plug	1	20	304-75	Fitting - 90° Barb	1
2	21-8620	Lever - Valve	1	21	62-4250	Cylinder - Hydraulic	1
3	233-21	Knob	1	*	66-1250	Cylinder - Hydraulic (Optional)	1
4	32144-10	Screw - Tap	2	22	92-7834	Hose	1
5	38-3400	Guard - Rubber	1	23	304-73	Fitting - Straight Barb	1
7	21-8640	Lever - Latch Valve	1	24	340-110	Elbow - 90°	1
8	3272-6	Pin - Cotter	1	25	340-97	Fitting - 90°	1
9	32121-73	Pin - Slotted Spring	1	26	283-17	Pin	1
10	3296-42	Nut - Lock	5	27	21-8590	Link - Valve Lever	1
11	21-9010	Pivot Mount - Valve Lever	1	28	2412-108	Clamp - Hose	2
12	340-99	Fitting - 90° Elbow	1	29	237-22	O-Ring	2
13	43-1710	Asm. - Valve	1	30	237-30	O-Ring	2
14	321-23	Screw - HH	5	31	237-42	O-Ring	2
15	63-8990	Hose	1	32	237-78	O-Ring	2
16	2412-36	Clamp - Hose	1	33	38-3400	Guard - Rubber	1
17	63-9260	Manifold - Valve	1				
18	340-112	Elbow - 90°	1				
19	92-7833	Hose - Hydraulic (Valve to Cylinder)	1				

\*Not Illustrated

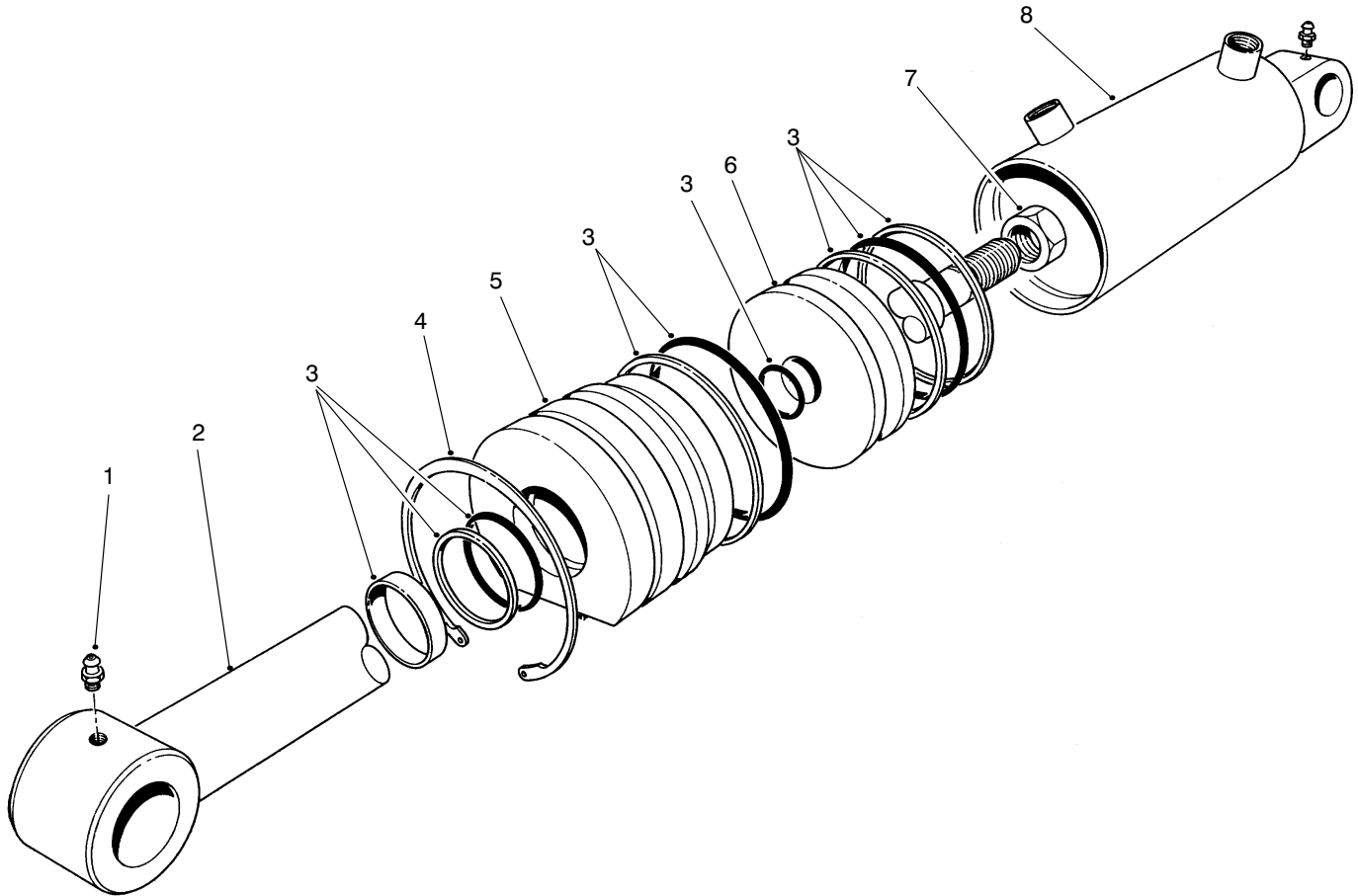


T-0859-1

## HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 62-4250 (2-1/2" Bore)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	61-4980	Shaft - w/Clevis	1	9		O-Ring	1
2	302-55	Fitting - Grease	2	10		O-Ring	1
3		Seal - Dust	1	11	60-9770	Piston	1
4	61-4990	Ring - Retaining	1	12	60-9760	Nut	1
5	60-9780	Head	1	†13		Barrel	1
6		Ring - Back-up	3	*	61-4960	Kit - Seal Repair (Incl. Ref. #3, 6-10)	1
7		O-Ring	2				
8		Ring - Backup	1				

†Not available separately..



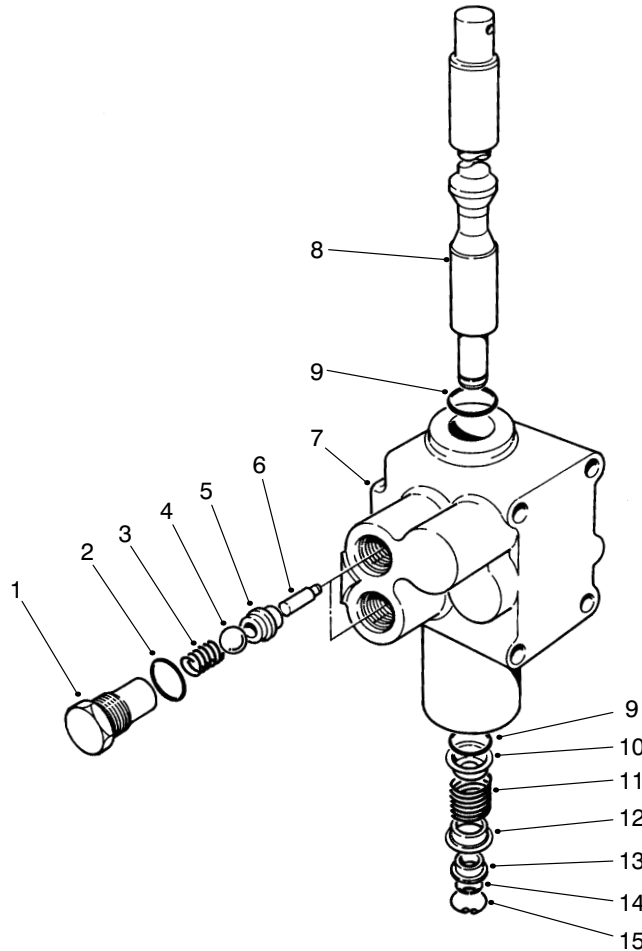
T-0527-2

## 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	Kit - Repair	1
4	67-5470	Ring - Retaining	1

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

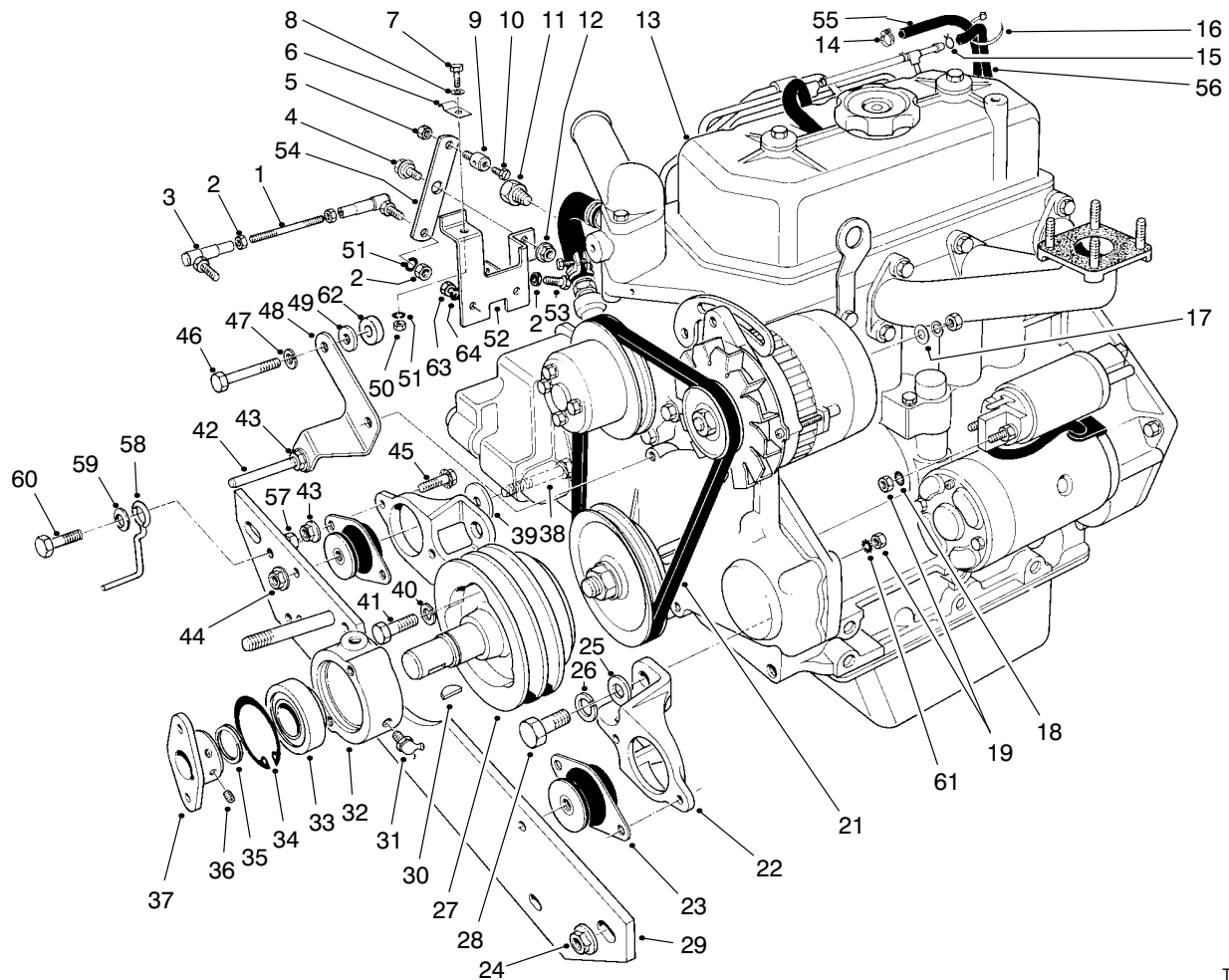
\*Not available separately.



T-0428-1

## CONTROL VALVE ASSEMBLY NO. 43-1710

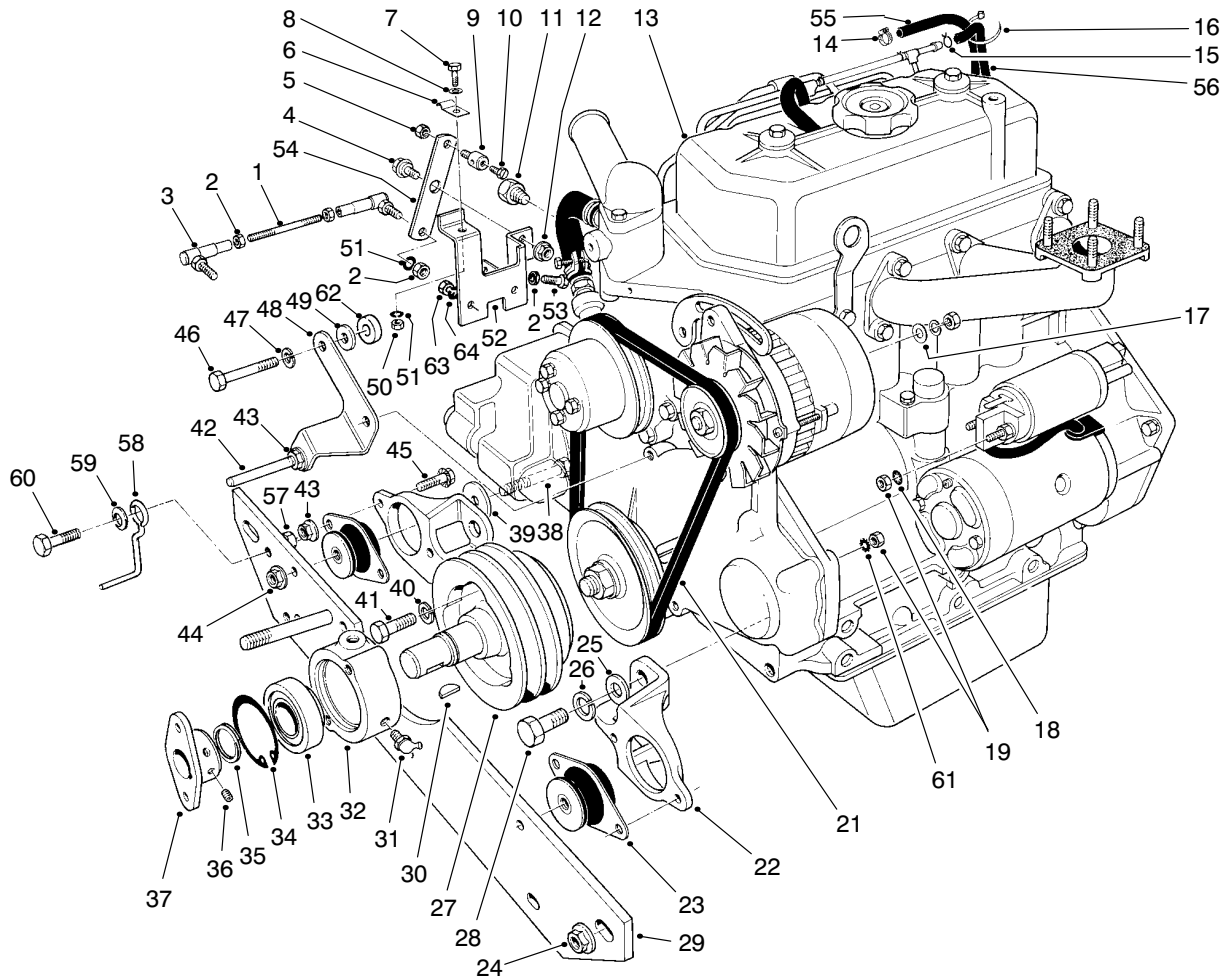
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	22-8330	Plug	2	9	22-8500	O-Ring	2
2	237-42	O-Ring	2	10	22-8380	Retainer - Spring	1
3	22-8340	Spring	2	11	22-8410	Spring	1
4	22-8350	Ball	2	12	22-8390	Retainer - Spring	1
5	22-8370	Seat - Check Valve	2	13	22-8400	Spacer - Float	1
6	22-8360	Pin - Cam	2	14	22-8480	Spring Ring Spool	1
7	43-1730	Body	1	15	22-8490	Ring - Snap	1
8	22-8420	Spool	1				



T-0429-2

## ENGINE ASSEMBLY

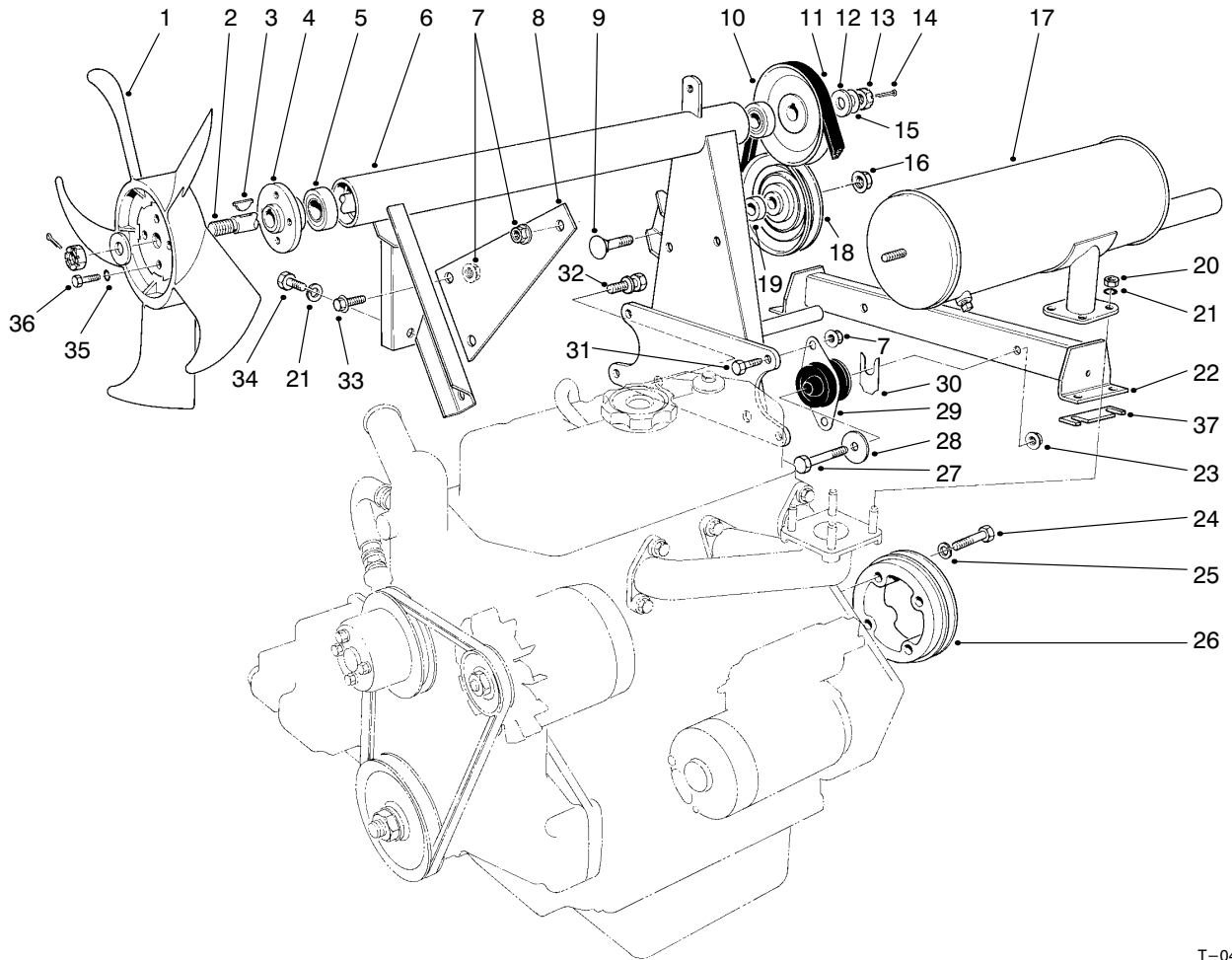
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-3770	Link - Throttle	1	24	32128-23	Nut - Flange	2
2	3219-1	Nut	5	25	3256-64	Washer - Flat	4
3	18-1720	Asm. - Ball Joint	2	26	43-5950	Washer - Lock	4
4	37-8770	Bolt - Shoulder	1	27	43-3510	Pulley - Engine	1
5	3296-20	Nut - Lock	1	28	43-3210	Screw - HH	4
6	2412-31	Clamp - Bodine	1	29	75-9900	Engine Support - Front	1
7	321-4	Screw - HH	1	30	3257-33	Key - Woodruff	1
8	3256-22	Washer - Flat	1	31	302-10	Fitting - Grease	1
9	43-3780	Swivel - Throttle Control	1	32	43-3720	Collar - Bearing	1
10	25-8640	Screw - Machine	1	33	251-252	Bearing - Ball	1
11	43-1940	Adapter - Temp. Gauge	1	34	32120-22	Ring - Retaining, Internal	1
12	32152-1	Nut - Flange	1	35	32120-69	Ring - Retaining, External	1
13	43-1440	Engine Assembly (Unit Serial No. 50001 thru 60119)	1	36	3241-5	Screw - Set Socket Head	2
13	94-9160	Engine Assembly (Unit Serial No. 60120 & Up)	1	37	27-1960	Hub - Engine	1
14	2412-108	Clamp - Worm Drive	1	38	324-12	Screw - HH	2
15	2412-79	Clamp	1	39	53-9480	Washer	2
16	3290-379	Tie - Cable	1	40	42-9600	Washer - Lock	3
17	5-3637	Washer	1	41	43-3190	Screw - HH	3
18	3254-2	Washer - Lock, Int. Tooth	2	42	21-1820	Stud - Belt Retainer	2
19	42-9580	Nut	2	43	3290-357	Nut - Flange	7
21	42-9100	Belt - Fan	1	44	32128-37	Nut - Flange	2
22	53-9710	Mount - Engine	2	45	3234-11	Screw - HH	4
23	53-9680	Engine Mount - Rubber	2	46	42-9510	Screw - HH	2
				47	3253-4	Washer - Lock	2
				48	43-3790	Bracket - Belt Guide	1
				49	4-2390	Washer	2



T-0429-2

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	3217-5	Nut - Hex.	1	58	63-1400	Guide - Belt	1
51	3253-3	Washer - Lock	3	59	3290-224	Washer - Lock	1
52	43-3730	Bracket - Throttle Control	1	60	3234-18	Screw - HH	1
53	329-7	Screw - HH	1	61	3255-9	Washer - Lock, Ext. Tooth	1
54	43-3760	Lever - Throttle	1	62	5-0652	Spacer	2
55	47-7420	Hose	1	63	48-7630	Screw - HH	2
56	43-4230	Hose	1	64	43-5930	Washer - Lock	2
57	32153-2	Nut - Lock	1				



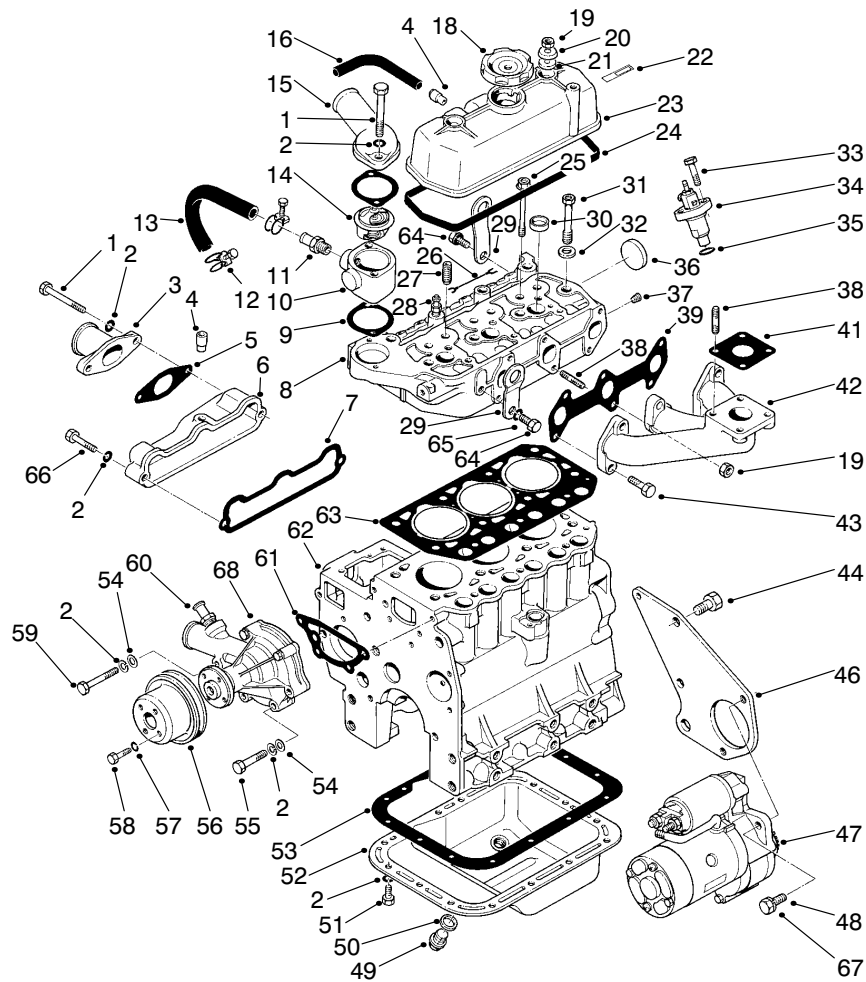
T-0430-1

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	43-1910	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	Mount - Fan	1
7	3290-357	Nut - 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 - Flange	1
17	43-3850	Muffler	1
18	66-5310	Pulley - Idler	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	Mount - Engine	1
23	32128-37	Nut - Flange	2
24	43-3200	Screw - HH	4
25	42-9600	Washer - Lock	4
26	43-3530	Pulley - Flywheel	1
27	324-11	Screw - HH	2
28	53-9480	Washer	2
29	53-9680	Mount - Engine, Rubber	2
30	42-6080	Shim	A/R
31	3234-11	Screw - HH	4
32	66-7030	Screw - HH w/Washer	2
33	3234-12	Screw - Flange	2
34	42-9230	Screw - HH	1
35	3253-3	Washer - Lock	4
36	321-3	Screw - HH	4
37	68-9110	Shim	A/R
*	68-9111	Shim	A/R
*	68-9112	Shim	A/R

\*Not Illustrated

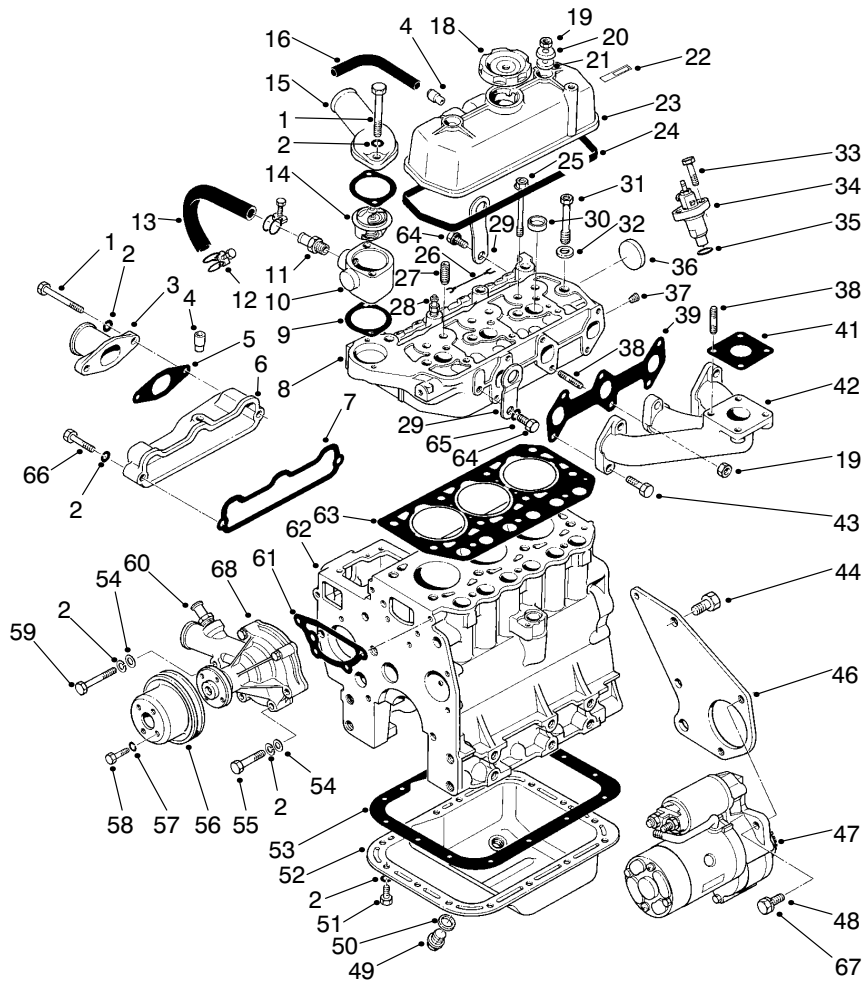


T-0431-1

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-9310	Screw - HH	4	26	42-9180	Wire - Glow Plug Lead	2
2	42-9850	Washer - Lock	24	27	42-7460	Guide - Valve	6
3	42-9150	Inlet - Pipe	1	28	42-7480	Glow Plug	3
4	42-7510	Pipe	2	29	42-7440	Hanger - Engine	2
5	42-9160	Gasket - Inlet Pipe	1	30	42-7080	Cap - Sealing (25)	3
6	42-9120	Asm. - Intake Manifold	1	31	42-9320	Bolt - Cylinder Head (12 x 98)	8
7	42-9140	Gasket - Intake Manifold	1	32	42-9790	Washer - Head Bolt	8
8	72-4290	Asm. - Head, Cylinder	1	33	42-9390	Bolt (8 x 32)	6
‡*	93-1369	Asm. - Head, Cylinder	1	34	44-8070	Asm. - Nozzle & Holder	3
9	42-7550	Gasket	2	35	42-8120	Gasket - Nozzle Holder	3
10	43-1790	Fitting - Thermostat	1	36	42-7090	Cap - Sealing (45)	1
11	42-7740	Nipple - Hose	1	37	67-2570	Plug - Taper 1/8	1
12	43-3140	Clamp - Hose	2	38	42-9570	Stud (8 x 25)	5
13	43-3130	Hose - Water (Incl. Ref. #12)	1	39	42-9170	Gasket - Exhaust Manifold	1
14	43-1780	Thermostat	1	41	42-9110	Gasket	1
15	42-7540	Fitting - Water Outlet	1	42	43-1870	Manifold - Exhaust	1
16	93-3685	Pipe - Air Breather	1	43	42-9520	Screw - Cap (8 x 30)	5
18	42-7420	Cap - Oil Filter	1	44	42-9240	Screw - Cap (12 x 28)	3
19	42-9580	Nut (8)	3	46	43-1770	Plate - Rear	1
20	42-9800	Washer	2	47	46-7610	Asm. - Starter	1
21	42-7490	Seal - Oil	2	48	43-0090	Screw - Cap (10 x 25)	2
22	42-7530	Label - Engine No.	1	49	42-9260	Plug - Oil Drain	1
23	42-7500	Asm. - Cover, Rocker	1	50	42-7290	Gasket - Oil Drain Plug (18)	1
24	42-7520	Gasket - Cover, Rocker	1	51	42-9230	Screw - Cap (8 x 16)	15
25	93-3180	Bolt - Cylinder Head (10 x 90)	3				

‡ For engines with Serial No. 86155 &amp; up.



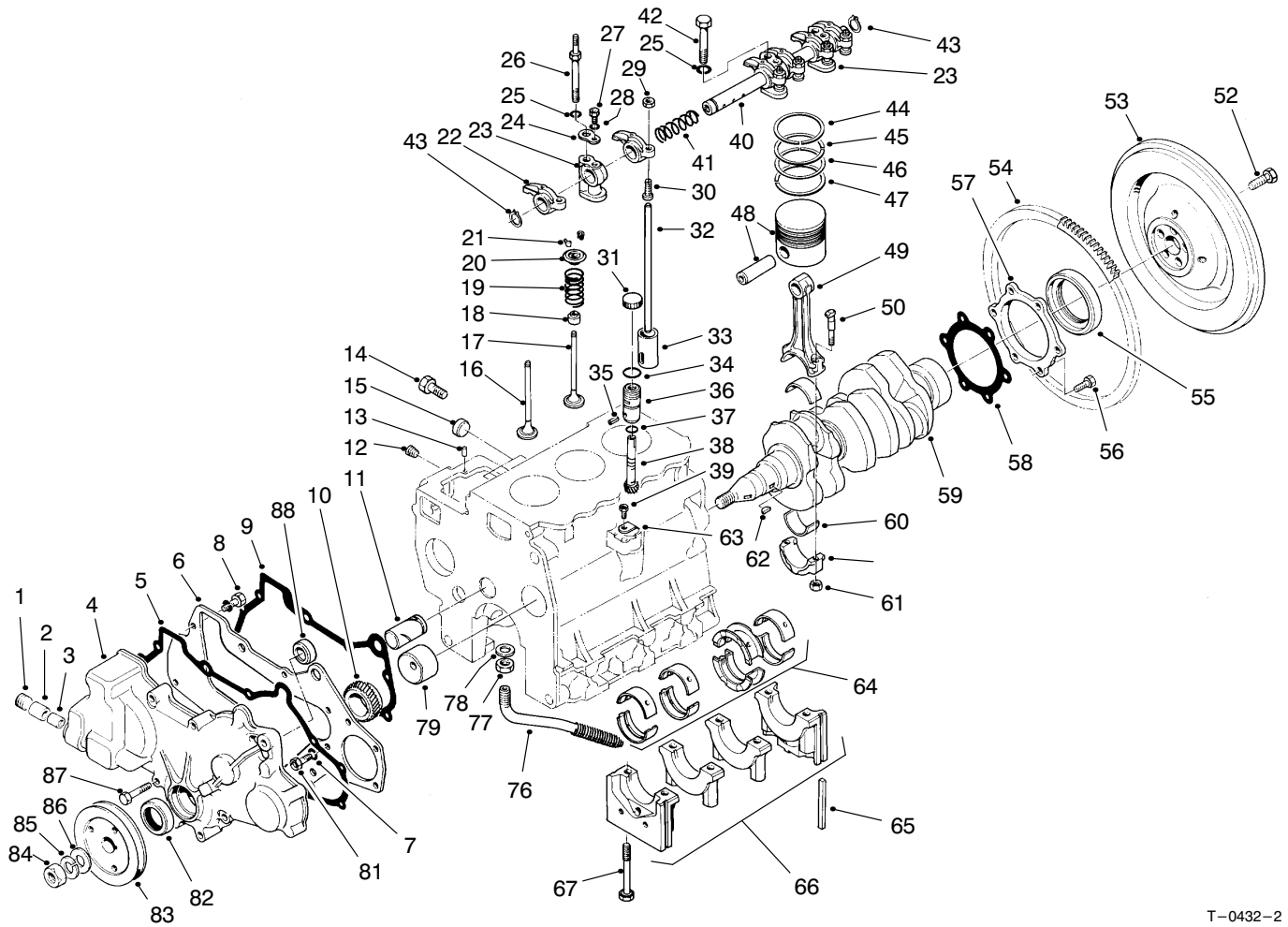
T-0431-1

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	42-7280	Asm. - Oil Pan (Incl. 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	Asm. - Water Pump	1

Ref. No.	Part No.	Description	No. Used
61	42-9090	Gasket - Water Pump	1
62	48-2020	Cylinder Block Sub Asm.	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



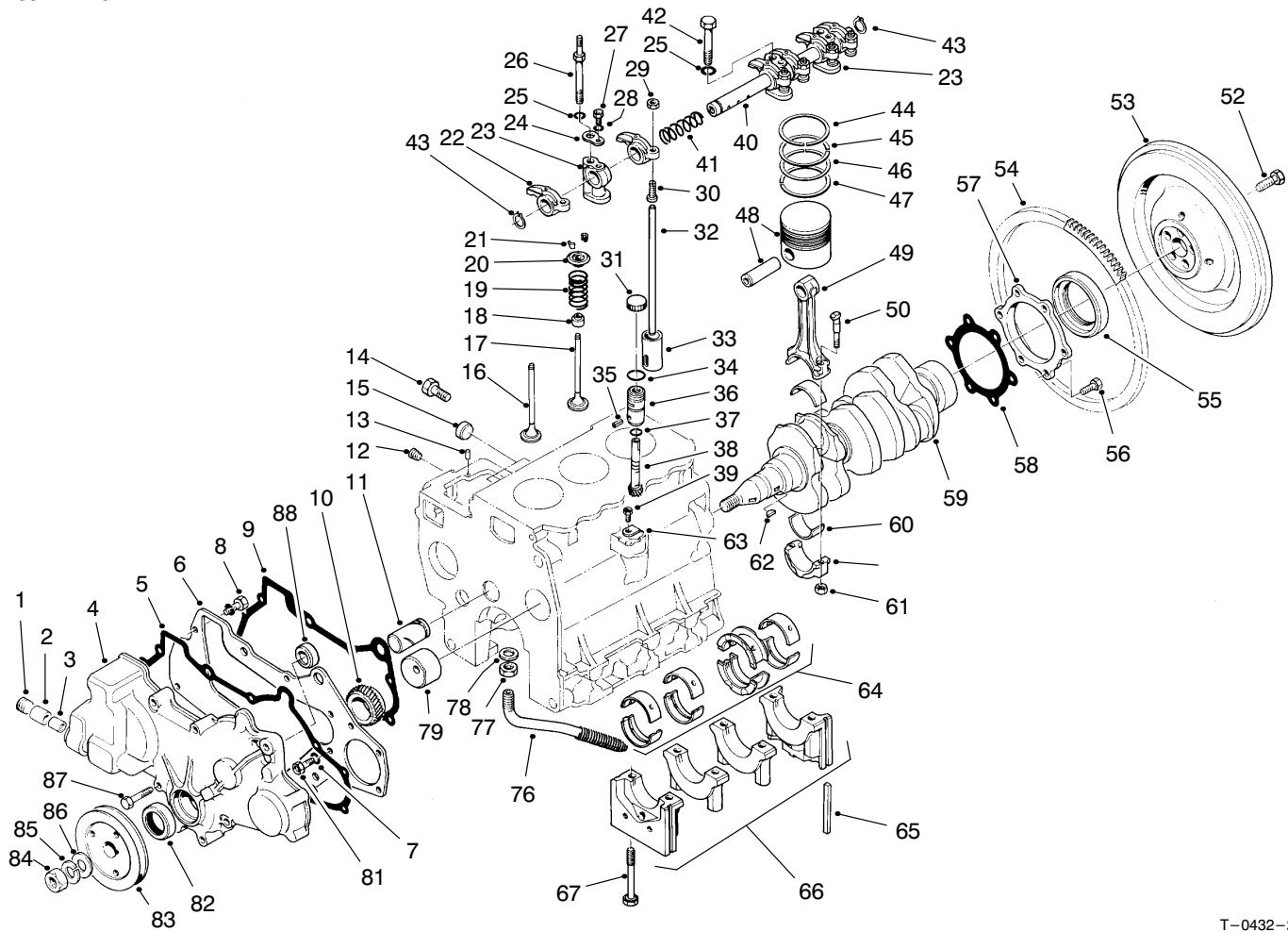
T-0432-2

## 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	62-3730	Screw - HH 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	2
13	56-0220	Pin - Dowel	2
14	42-9250	Screw - HH	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 - HH	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	42-8990	Gear - Driven	1
39	42-9440	Screw - HH	1
40	42-7960	Shaft Assembly - Rocker	1
41	42-7930	Spring - Rocker Shaft L.H.	1
42	42-9370	Screw - HH	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



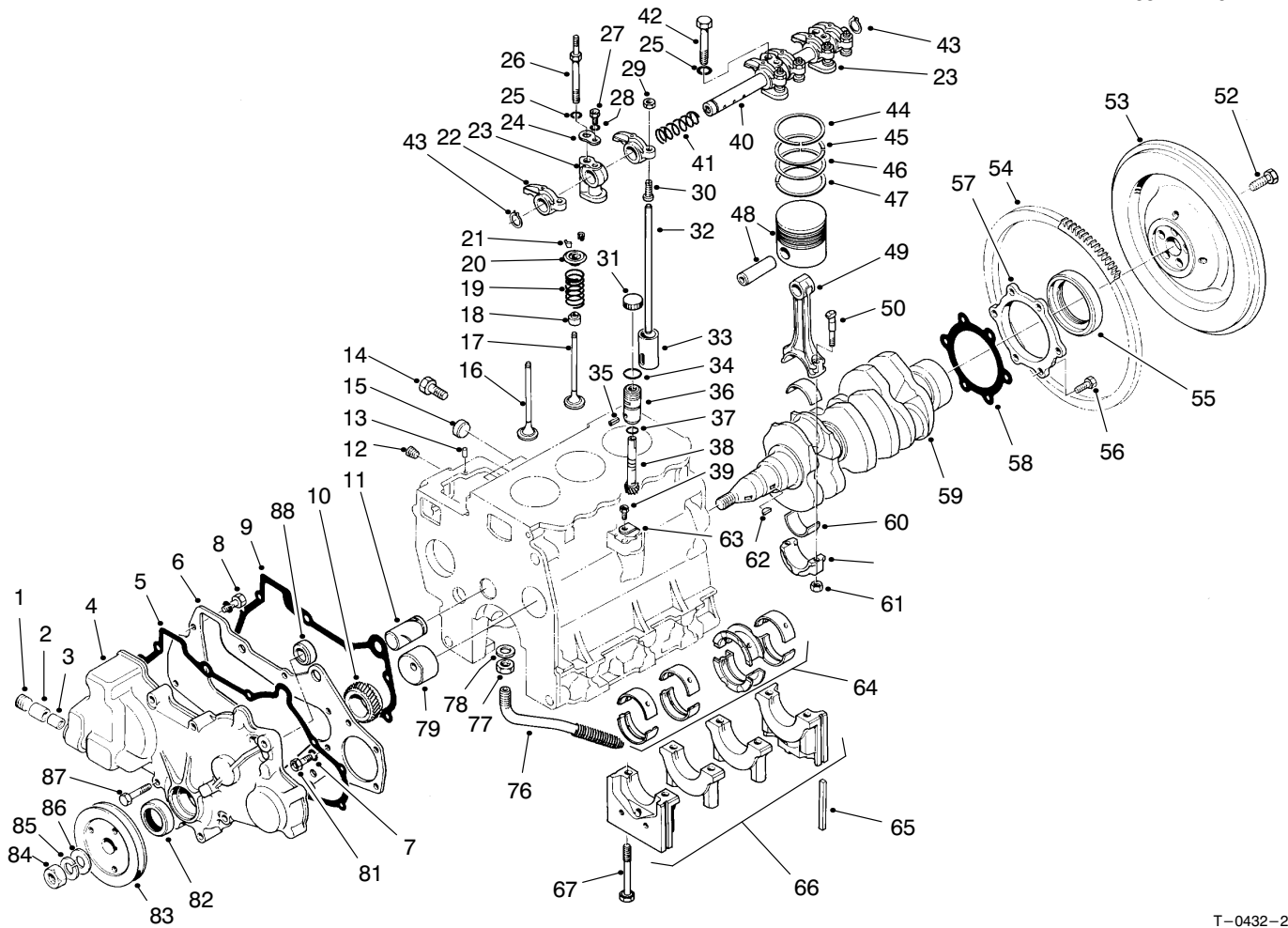
T-0432-2

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
48	72-4240	Piston & Piston Pin Std.	3	*60	42-7690	Bearing Set	
*	72-4250	Piston & Piston Pin 0.25 (.010 in.) 0.5.	3			Connecting Rod 0.75 (.030 in.) U.S.	3
*	72-4260	Piston & Piston Pin 0.50 (.020 in.) 0.5.	3	61	42-9590	Nut - Connecting Rod	6
*	72-4270	Piston & Piston Pin 0.75 (.030 in.) 0.5.	3	62	42-7730	Key - Woodruff	2
49	42-7650	Asm. - Connecting Rod	3	63	42-9020	Plate - Locking	1
50	67-2860	Bolt - Connecting Rod	6	64	42-7230	Bearing Set	
52	54-8670	Bolt - Flywheel	5			Crankshaft Std.	1
53	43-1800	Flywheel (Incl. Ref. #54)	1	*	42-7240	Bearing Set - Crankshaft 0.25 (.010 in.) U.S.	1
54	43-1810	Gear - Ring	1	*	42-7250	Bearing Set - Crankshaft 0.50 (.020 in.) U.S.	1
55	42-7060	Seal - Oil	1	*	42-7260	Bearing Set - Crankshaft 0.75 (.030 in.) U.S.	1
56	42-9220	Screw - Cap Hex. Hd.	6	65	42-7040	Seal - Side	4
57	42-7120	Case - Oil Seal	1	†66		Asm. - Bearing Cap	1
58	42-7130	Gasket - Oil Seal	1	67	42-9210	Bolt - Bearing Cap	8
59	42-7710	Crankshaft	1	76	48-2010	Asm. - Screen, Oil	1
60	42-7660	Bearing Set		77	48-1990	Nut - Jam	1
		Connecting Rod Std.	3	78	48-1980	Gasket	1
*	42-7670	Bearing Set		79	42-7100	Bushing - Camshaft	1
		Connecting Rod 0.25 (.010 in.) U.S.	3	81	42-9230	Screw - HH	3
*	42-7680	Bearing Set		82	42-7390	Seal - Oil	1
		Connecting Rod 0.50 (.020 in.) U.S.	3	83	42-7720	Pulley - Crankshaft	1
				84	43-6470	Nut	1
				85	42-9860	Washer - Spring	1

\*Not Illustrated

†Not Available



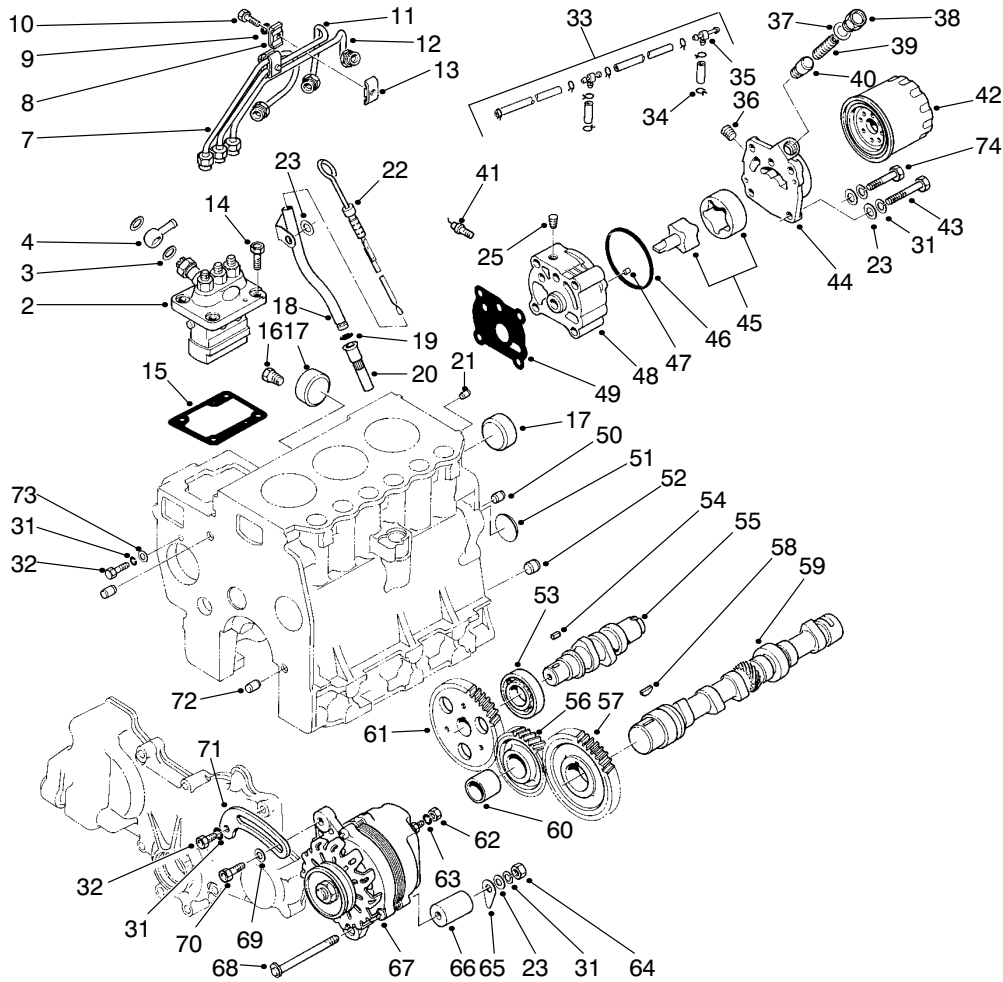
T-0432-2

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
86	42-9810	Washer - Flat	1	88	82-2590	Plug - Thrust	1
87	42-9500	Screw - HH	8	*	42-8960	Driven Unit - Speedometer (Incl. Ref. #34-38)	1

\*Not Illustrated

†Not Available



T-0433-1

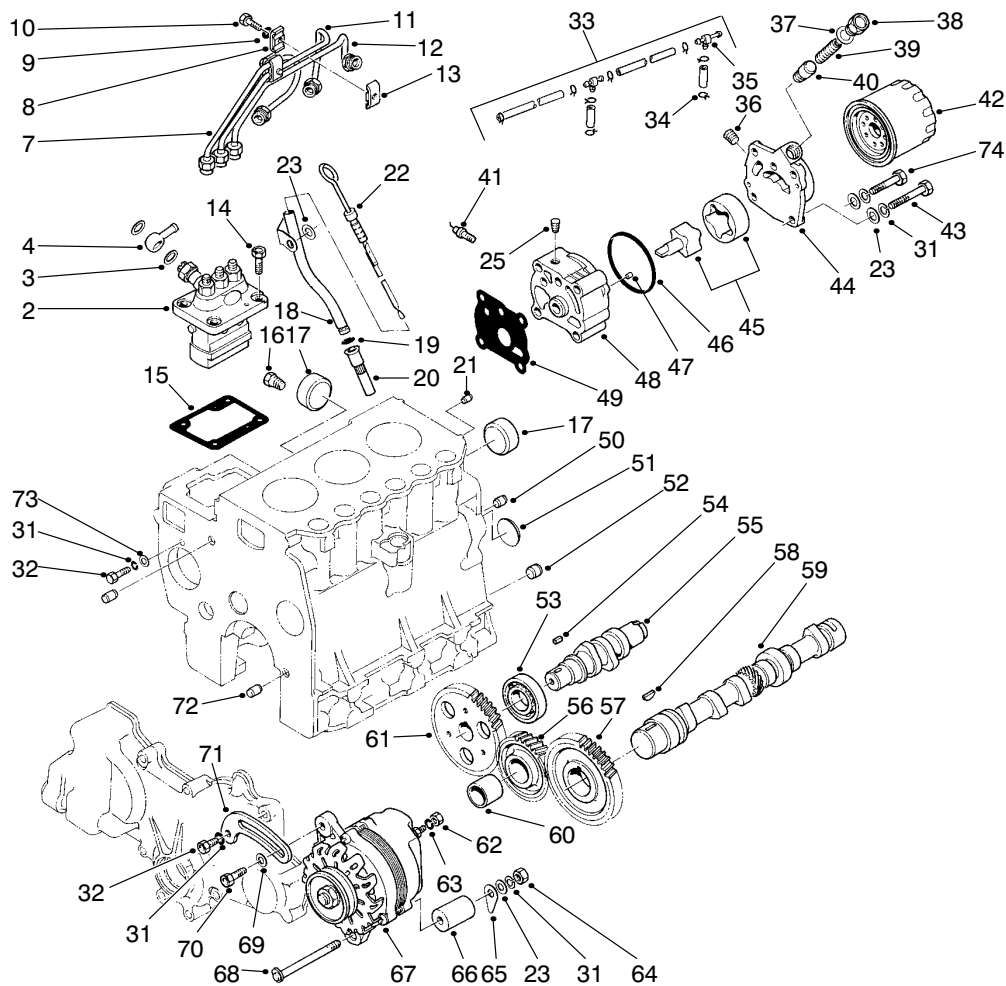
## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
2	42-8000	Asm. - Pump, Fuel Injection (Used on Serial No. 50001 -60119)	1
†2		Asm. - Pump, Fuel Injection (Used on Serial No. 60120 & Up)	1
3	42-9830	Washer - Seal	2
4	42-8100	Collar - Union	1
7	42-8130	Asm. - Pipe, Fuel Injection (No. 1)	1
8	56-0750	Clamp	2
9	43-5930	Washer - Lock	1
10	43-2600	Capscrew	2
11	42-8140	Asm. - Pipe, Fuel Injection (No. 2)	1
12	42-8150	Asm. - Pipe, Fuel Injection (No.3)	1
13	56-0760	Clamp	2
14	43-0110	Screw - HH (Used on Serial No. 50001 -60119)	4
†14	43-0110	Screw - HH (Used on Serial No. 60120 & Up)	3
15	42-8010	Shim - 0.2 (.008 in.)	A/R
*	42-8020	Shim - 0.3 (.012 in.)	A/R
*	42-8030	Shim - 0.4 (.016 in.)	A/R

Ref. No.	Part No.	Description	No. Used
15	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	Asm. - Gauge, 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 - HH	2
33	42-8180	Asm. - Pipe, Fuel Return	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
41	56-1310	Asm. - Oil Pressure Switch	1
42	42-9030	Asm. - Filter, Oil	1

\*Not Illustrated

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

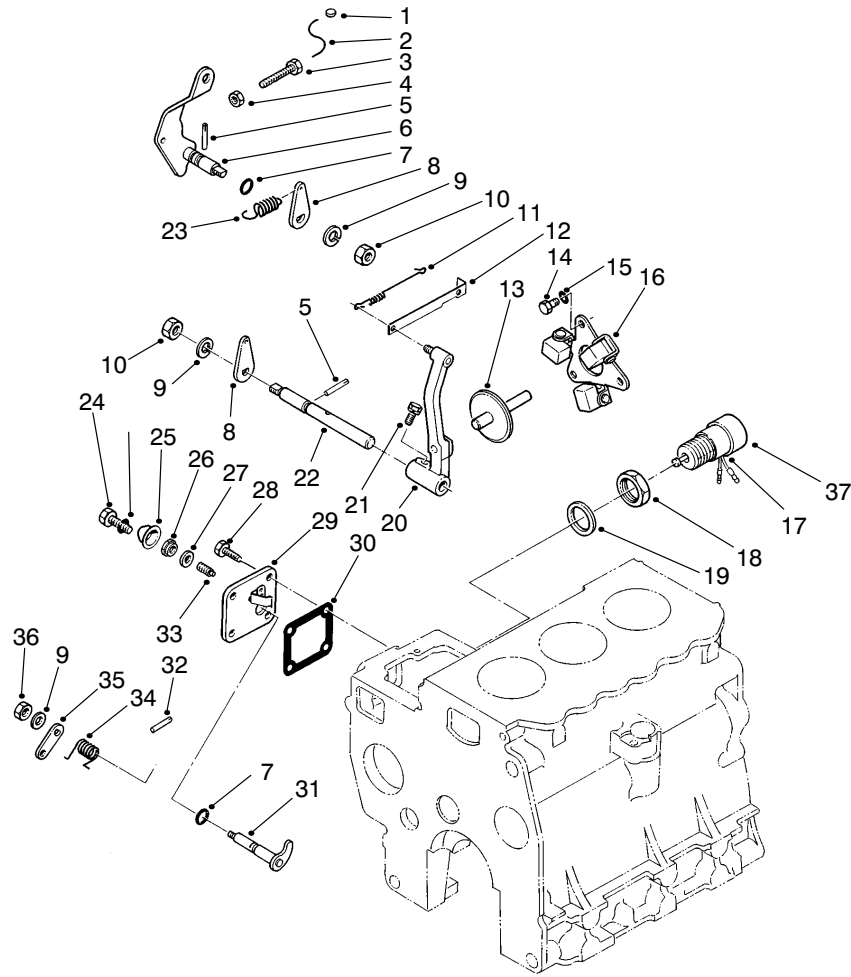


T-0433-1

## ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
43	42-9480	Screw – HH	3	61	42-7830	Gear – Injection Pump Cam	1
44	42-8920	Cover – Oil Pump	1	62	43-5970	Nut	1
45	42-8910	Asm. – Rotor, Oil Pump	1	63	43-5920	Washer – Lock	1
46	42-8940	O-Ring	1	64	42-9580	Nut	1
47	93-3657	Pin – Dowel	2	65	43-0370	Shim	AIR
48	42-8900	Body – Oil Pump	1	66	43-0380	Spacer	1
49	42-8950	Gasket – Oil Pump Body	1	67	43-0390	Alternator (Model AH2035M4)	1
50	42-7180	Bushing – Knock	2	68	43-1900	Screw – HH	1
51	42-7170	Plug – Expansion	1	69	54-8660	Washer	1
52	42-7200	Bushing – Knock	1	70	54-8650	Screw – HHF	1
53	42-7820	Bearing – Ball	1	71	43-0400	Brace – Alternator	1
54	42-7840	Key – Sunk	1	72	42-7190	Bushing – Knock	2
55	42-7810	Shaft – Injection Pump Cam	1	73	42-9820	Washer	1
56	42-7790	Asm. – Idler Gear (Incl. Ref. #60)	1	74	56-2120	Screw – Hex. Hd.	1
57	42-7780	Gear – Camshaft	1	*	42-8850	Asm. – Oil Pump (Incl. Ref. 36-40 & 44-48)	1
58	42-7730	Key – Woodruff	1	*	95-3092	400 Hour Filter Kit (Incl. Ref. #42)	1
59	72-4280	Camshaft	1				
60		Bushing – Idler Gear	1				

\*Not Illustrated



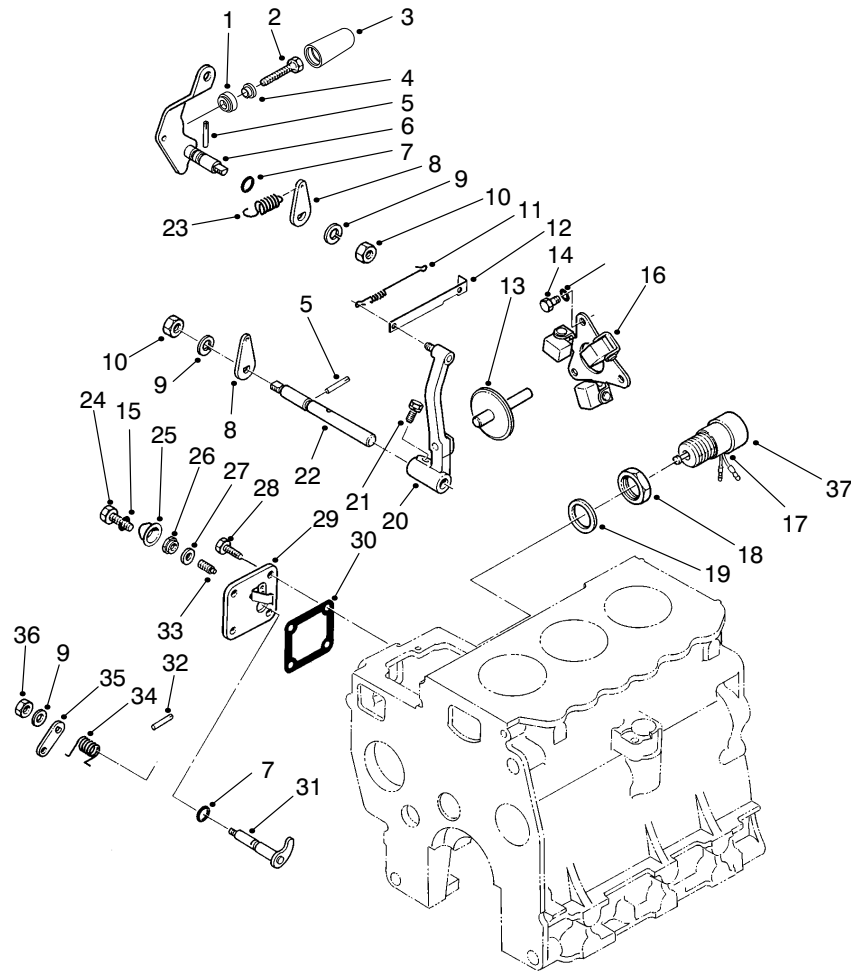
T-0434-1

## GOVERNOR ASSEMBLY (Used on Serial No. 50001-60119)

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	Asm. - Speed Control Lever	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	Asm. - Sliding Shaft	1
14	42-9430	Screw - HH	3
15	43-5930	Washer - Lock	4
16	67-4040	Asm. - Weight, 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	Asm. - Governor Lever	1
21	42-9450	Asm. - Bolt/Washer	1
22	42-8760	Shaft - Governor	1
23	42-8820	Spring - Governor	1
24	43-2800	Screw - HH	1
25	43-2820	Sealing Cap	1
26	43-5960	Nut - Special	1
27	43-3120	Washer - Seal	1
28	67-2560	Screw - HH	3
29	42-8790	Asm. - Cover (Incl. Ref. #25, 27 & 33)	1
30	42-8800	Gasket Cover	1
31	44-8090	Asm. - Lever, 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

\*Not Illustrated

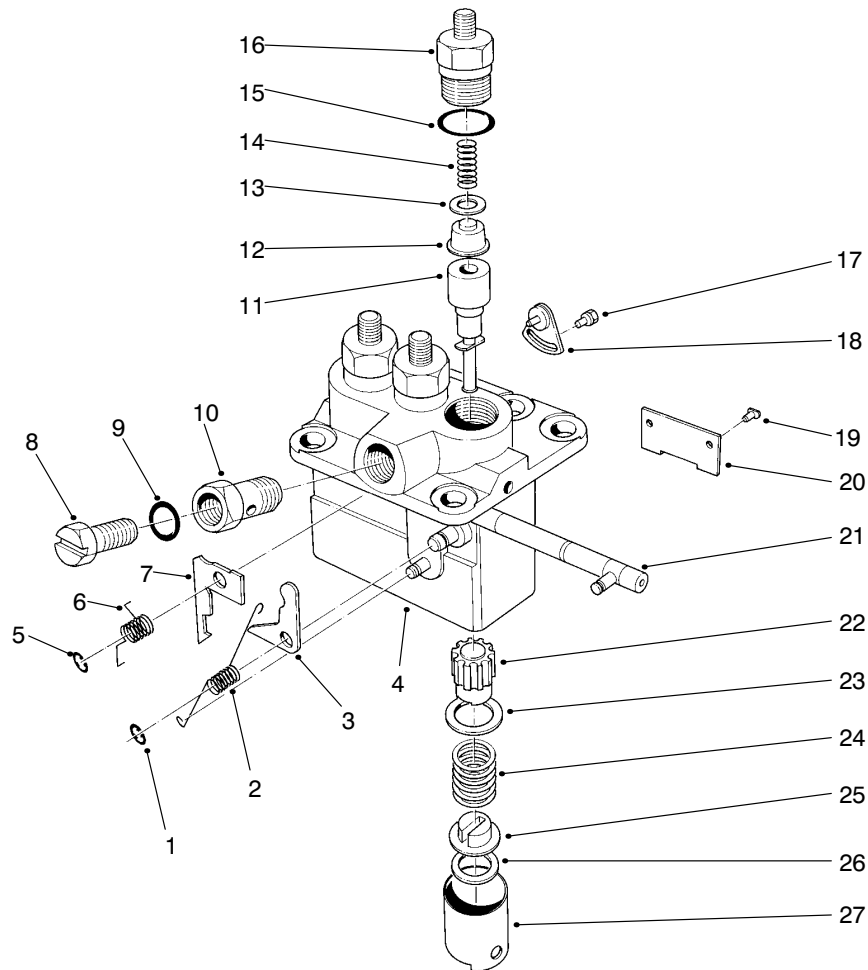


T-2434

## GOVERNOR ASSEMBLY (Used on Serial No. 60120 & Up)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†1		C-Ring, High Speed Set	1	20	42-8730	Asm. - Governor Lever	1
†2		Bolt - High Speed Set	1	21	42-9450	Asm. - Bolt/Washer	1
†3		Cover - High Speed Set	1	22	42-8760	Shaft - Governor	1
†4		Nut - High Speed Set	1	23	42-8820	Spring - Governor	1
5	42-8810	Pin - Grooved	2	24	43-2800	Screw - HH	1
6	42-8780	Asm. - Speed Control Lever	1	25	43-2820	Sealing Cap	1
7	42-8830	O-Ring	2	26	43-5960	Nut - Special	1
8	42-8770	Lever - Governor Spring	2	27	43-3120	Washer - Seal	1
9	42-9850	Washer - Lock	2	28	67-2560	Screw - HH	3
10	42-9580	Nut - Jam	2	29	42-8790	Asm. - Cover (Incl. Ref. #25, 27 & 33)	1
11	42-8740	Spring - Tie Rod	1	30	42-8800	Gasket Cover	1
12	42-8750	Tie Rod	1	31	44-8090	Asm. - Lever, Stop	1
13	42-8720	Asm. - Sliding Shaft	1	32	42-8810	Pin - Grooved	1
14	42-9430	Screw - HH	3	33	43-3160	Screw - Adjusting	1
15	43-5930	Washer - Lock	4	34	44-8100	Spring Return	1
16	67-4040	Asm. - Weight, Governor	1	35	43-2770	Lever - Stop	1
17	43-2730	Solenoid - Tubular	1	36	42-9640	Nut - Jam	1
18	43-2750	Nut	1	37	62-6940	Cap	1
19	43-2740	Gasket	1				

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



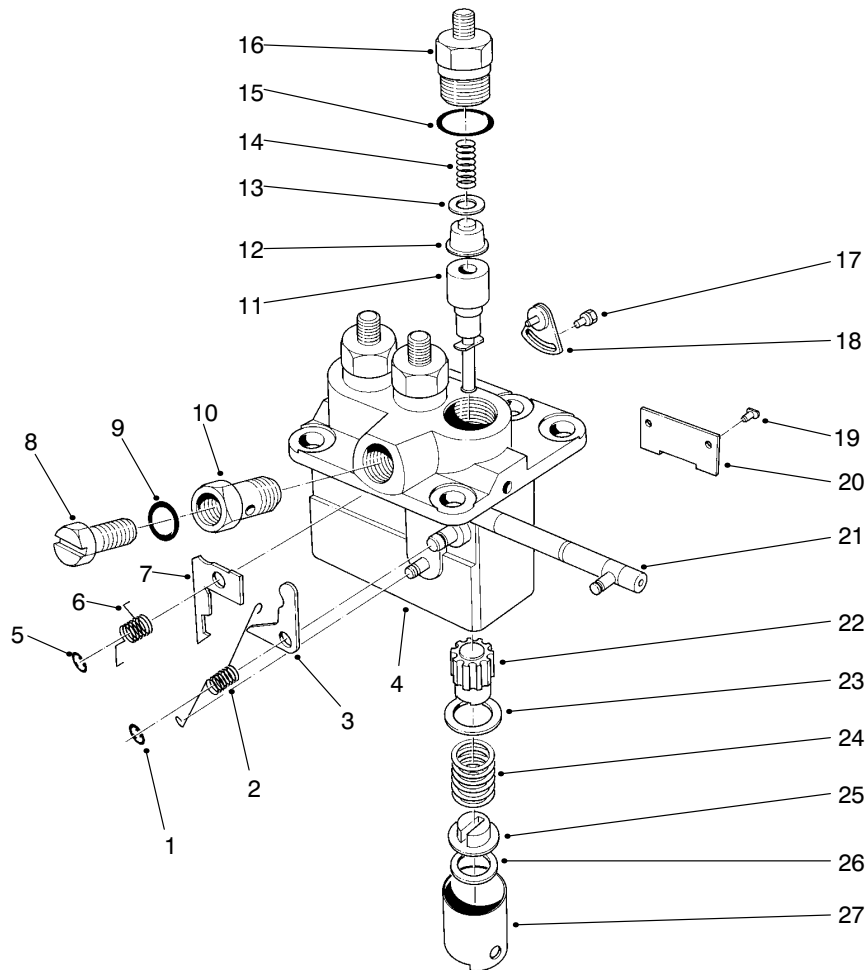
T-0435-5

## FUEL INJECTION PUMP ASSEMBLY NO. 42-8000 (Used on Serial No. 50001-60119)

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 Asm.	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
*	54-8710	Plate - Smoke Set 2.5 (.098 in.) Mark 62	A/R
*	43-3020	Plate - Smoke Set 2.6 (.102 in.) Mark 63	A/R
*	56-0960	Plate - Smoke Set 2.7 (.106 in.) Mark 64	A/R

Ref. No.	Part No.	Description	No. Used
7	43-3030	Plate - Smoke Set 2.8 (.110 in.) Mark 65	A/R
*	54-8730	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
8	42-8370	Screw - Air Breather	1
9	42-9770	Washer	1
10	42-8380	Screw - Hollow	1
11	42-8260	Element Sub Asm.	3
12	42-8250	Delivery Valve Sub Asm.	3

\*Not Illustrated

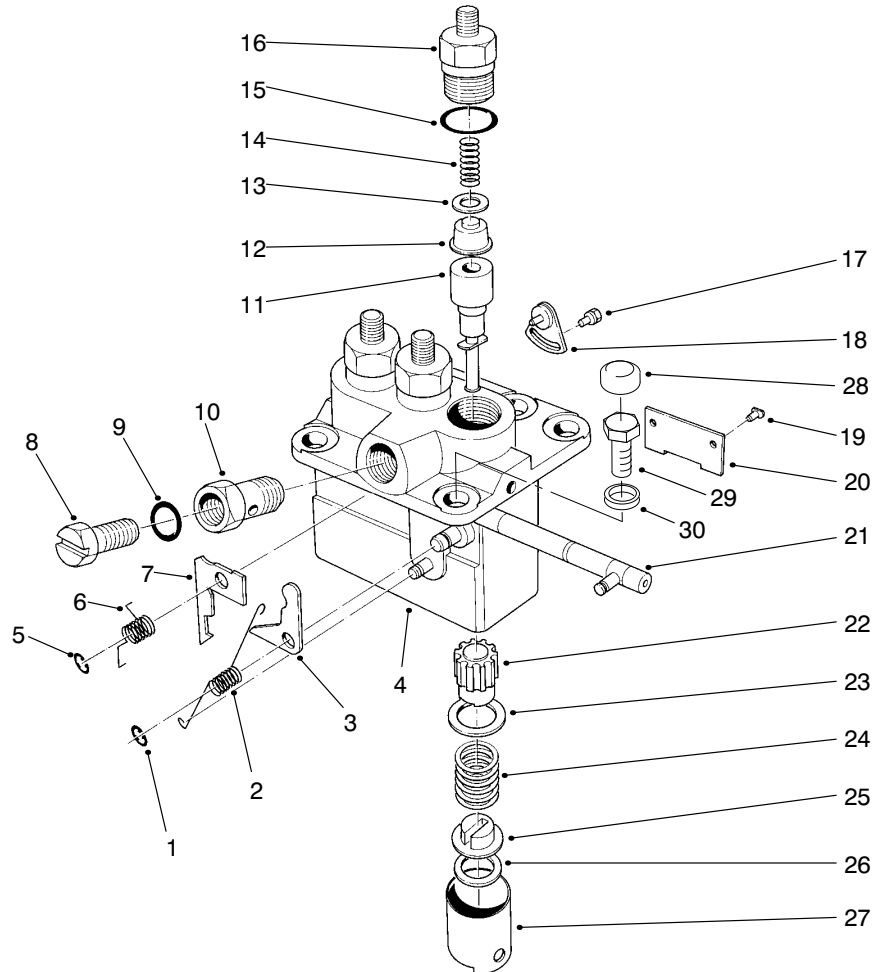


T-0435-5

## FUEL INJECTION PUMP ASSEMBLY NO. 42-8000 (Cont.) (Used on Serial No. 50001-60119)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
13	42-8240	Gasket - Delivery Valve	3	26	70-4080	Shim - Plate 0.3 (.0121 in.)	A/R
14	42-8230	Spring - Delivery Valve	3	*	70-4090	Shim - Plate 0.4 (.016 in.)	A/R
15	42-8330	O-Ring	3	*	70-4100	Shim - Plate 0.5 (.020 in.)	A/R
16	42-8220	Holder - Delivery Valve	3	*	42-8440	Shim - Plate 0.25 (.010 in.)	A/R
17	43-3150	Asm. - Bolt/Washer	2	*	42-8450	Shim - Plate 0.35 (.014 in.)	A/R
18	42-8360	Asm. - Plate, Adjusting	2	*	43-6240	Shim - Plate 0.45 (.018 in.)	A/R
19	42-8340	Pin - Tappet Guide	3	*	54-8680	Shim - Plate 0.55 (.022 in.)	A/R
20	42-8350	Plate	1	*	54-8690	Shim - Plate 0.65 (.026 in.)	A/R
21	42-8310	Asm. - Rack, Control	1	27	42-8300	Tappet Sub Asm.	3
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				

\*Not Illustrated



T-2435

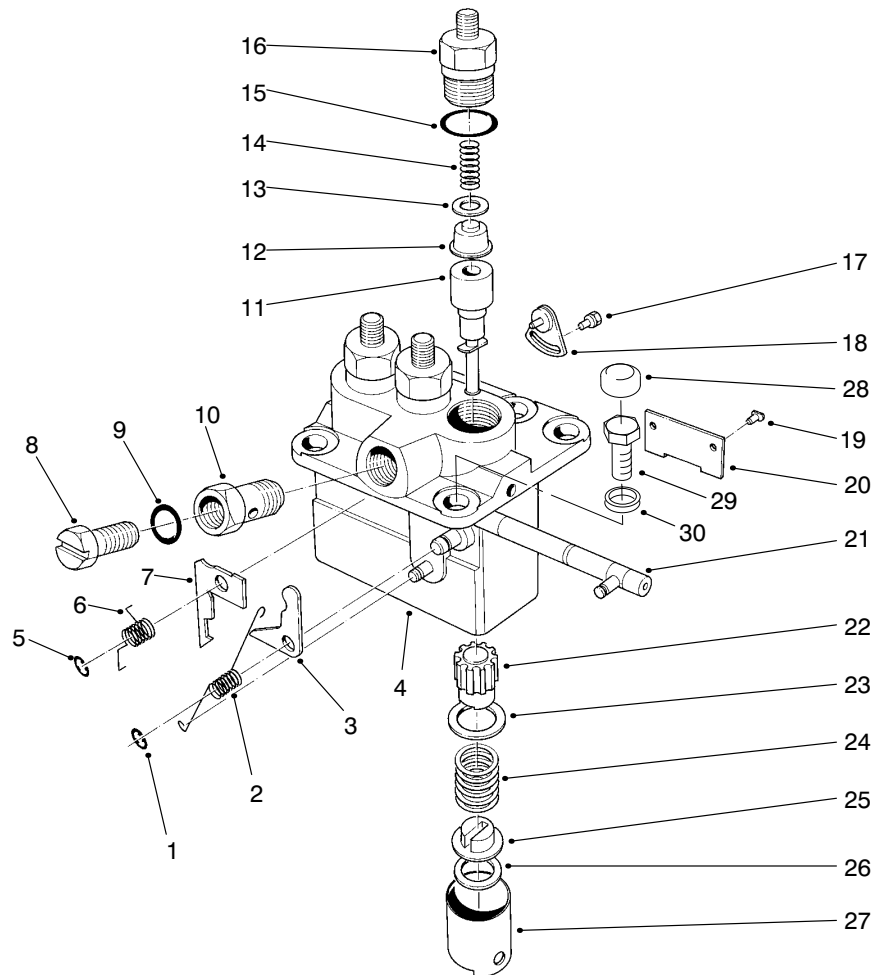
## FUEL INJECTION PUMP ASSEMBLY (Used on Serial No. 60120 & Up)

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 Asm.	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
*	54-8710	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

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



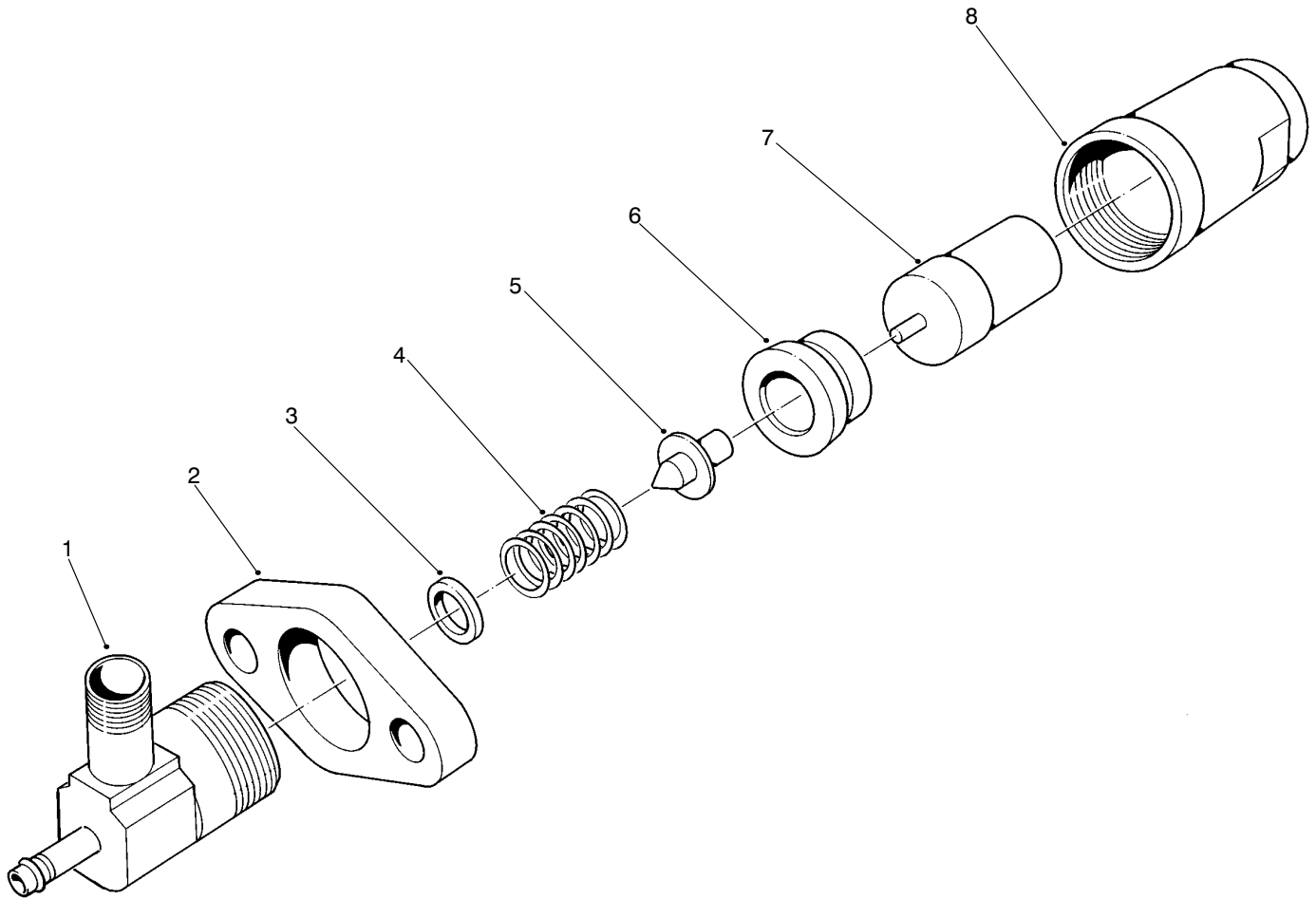
T-2435

## FUEL INJECTION PUMP ASSEMBLY (Continued) (Used on Serial No. 60120 & Up)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
9	42-9770	Washer	1	26	70-4080	Shim - Plate 0.3 (.0121 in.)	A/R
10	42-8380	Screw - Hollow	1	*	70-4090	Shim - Plate 0.4 (.016 in.)	A/R
11	42-8260	Element Sub Asm.	3	*	70-4100	Shim - Plate 0.5 (.020 in.)	A/R
12	42-8250	Delivery Valve Sub Asm.	3	*	42-8440	Shim - Plate 0.25 (.010 in.)	A/R
13	42-8240	Gasket - Delivery Valve	3	*	42-8450	Shim - Plate 0.35 (.014 in.)	A/R
14	42-8230	Spring - Delivery Valve	3	*	43-6240	Shim - Plate 0.45 (.018 in.)	A/R
15	42-8330	O-Ring	3	*	54-8680	Shim - Plate 0.55 (.022 in.)	A/R
16	42-8220	Holder - Delivery Valve	3	*	54-8690	Shim - Plate 0.65 (.026 in.)	A/R
17	43-3150	Asm. - Bolt/Washer	2	27	42-8300	Tappet Sub Asm.	3
18	42-8360	Asm. - Plate, Adjusting	2	†28		Cover	1
19	42-8340	Pin - Tappet Guide	3	†29		Screw - Cap Hex. Hd.	1
20	42-8350	Plate	1	†30		C-Ring	1
21	42-8310	Asm. - Rack, 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				

\*Not Illustrated

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



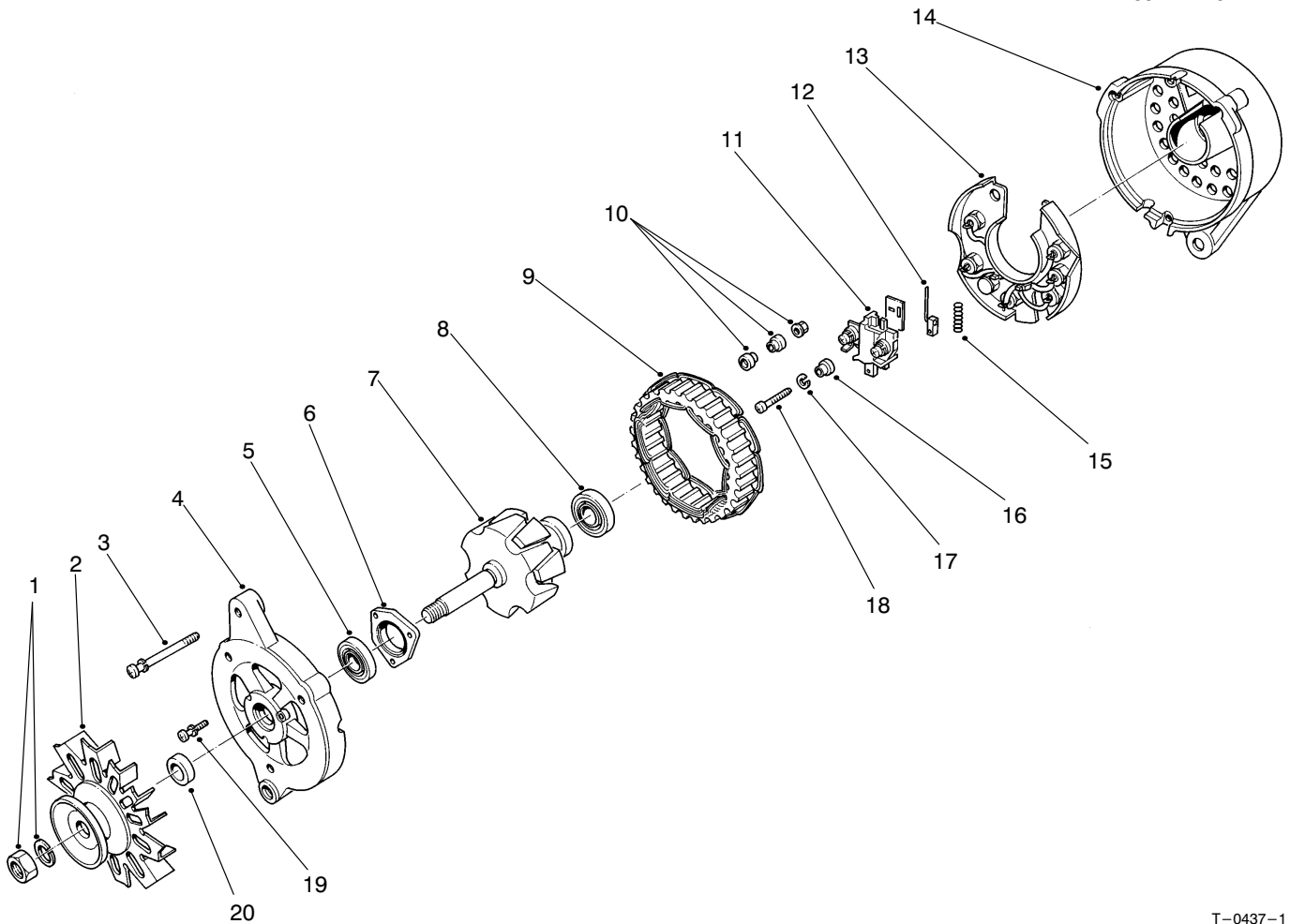
T-0436-1

## 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

Ref. No.	Part No.	Description	No. Used
*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	Asm. - Nozzle	3
8	42-8650	Nut - Retaining	3

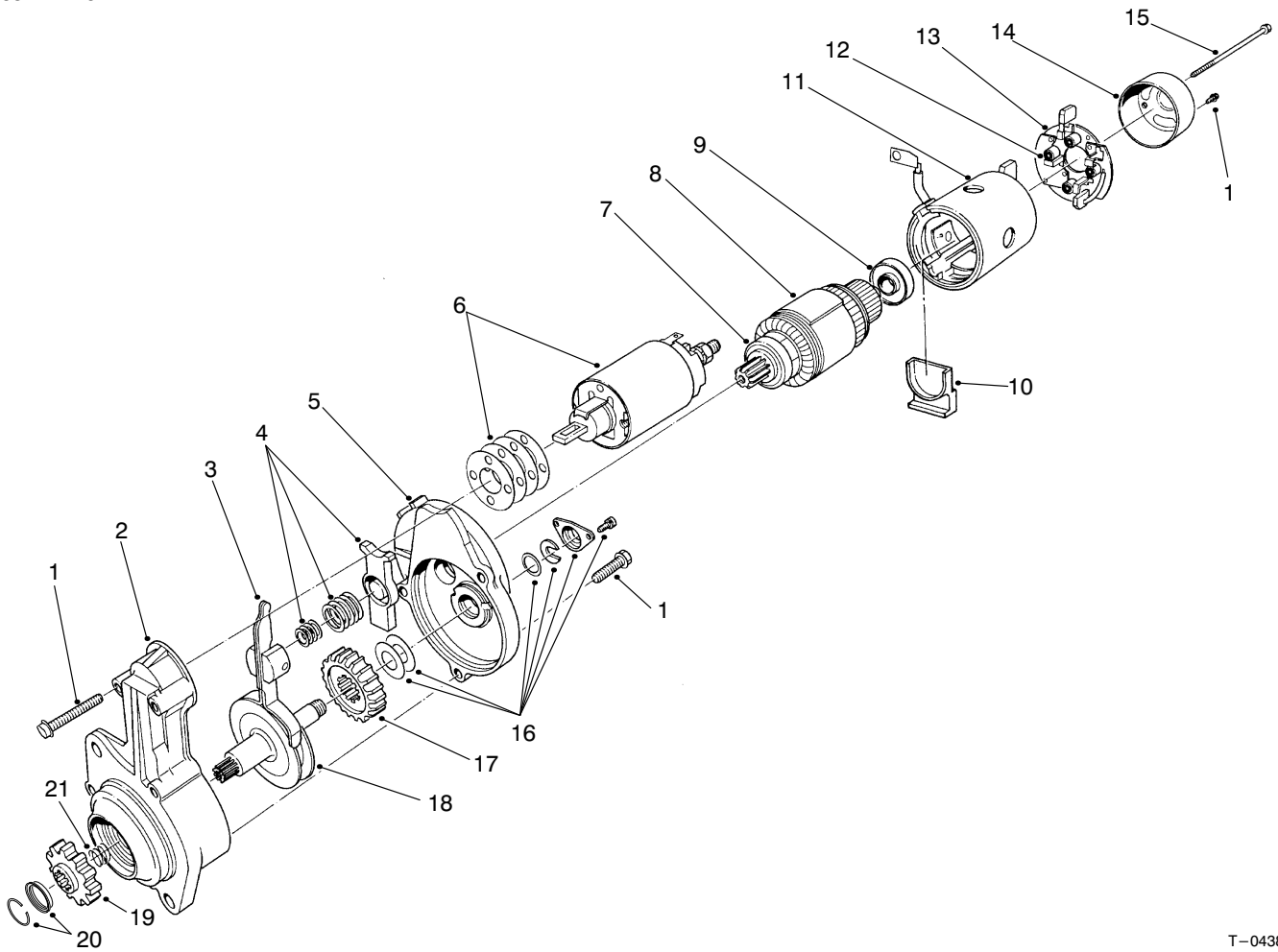
\*Not Illustrated



T-0437-1

## ALTERNATOR ASSEMBLY NO. 43-0390

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	51-7850	Nut Set	1	11	43-0490	Asm. - Holder, Brush (Incl. Ref. #12 & 15)	1
2	43-0420	Asm. - Pulley (Incl. Ref. #20)	1	12	43-0500	Brush	2
3	43-0120	Screw - Set	1	13	43-0520	Asm. - Rectifier	1
4	43-0430	Asm. - Bracket, Front (Incl. Ref. #5-6 & 19)	1	14	43-0480	Asm. - Rear Bracket (Incl. Ref. #10-13 & 15-18)	1
5	70-3320	Bearing - Front	1	15	70-2810	Spring - Brush	1
6		Plate - Bearing Retainer	1	16	43-2720	Mold	1
7	51-7910	Asm. - Rotor (Incl. Ref. #8)	1	17	43-5920	Washer - Lock	1
8	51-7920	Bearing - Rear	1	18	93-3654	Screw	1
9	43-0470	Stator	1	19	51-7890	Screw - Set	1
10	43-0080	Nut - Set	1	20		Collar - Shaft	1



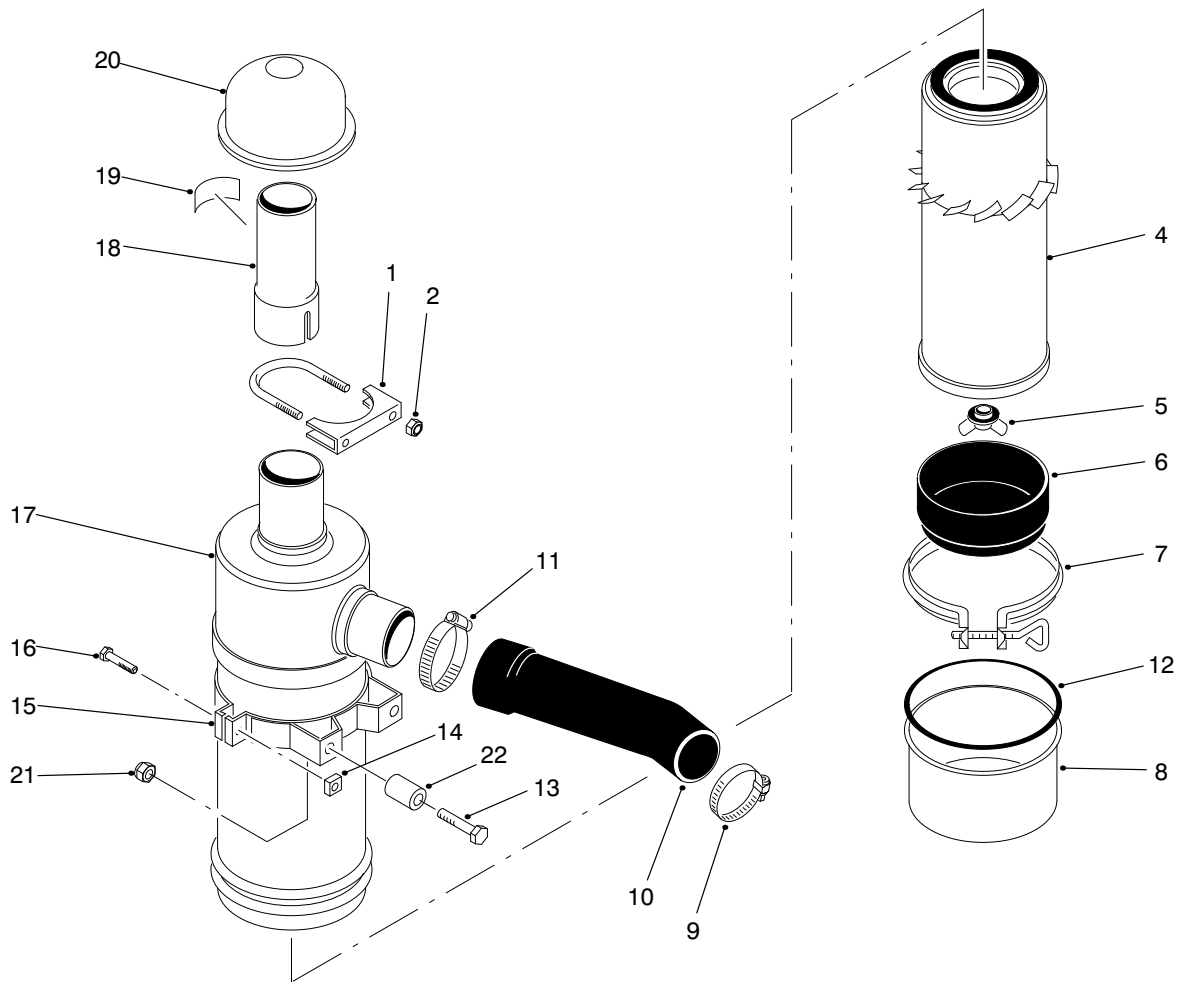
T-0438-1

## STARTER ASSEMBLY NO. 46-7610

Ref. No.	Part No.	Description	No. Used
1	93-3655	Screw - Set	1
2	46-7630	Asm. - Bracket, Front	1
3	46-7640	Asm. - Lever	1
4	43-0190	Spring Set	1
5	46-7650	Asm. - Bracket, Center	1
6	46-7660	Asm. - Switch	1
7	46-7680	Bearing - Front	1
8	46-7670	Armature Set (Incl. Ref. #7 & 9)	1
9	70-3330	Bearing - Rear	1
10	46-8050	Packing	1
11	46-7780	Asm. - Yoke	1
12	51-7820	Spring - Brush	4
13	51-7810	Asm. - Brush Holder (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	Asm. - Shaft, Pinion	1
19	46-7720	Pinion Set (Incl. Ref. #20)	1
20	51-7740	Stopper	1
21		Spring	1
*	46-7740	Gear Set (Incl. Ref. #17 & 18)	1
*	46-7710	Asm. - Shaft, Clutch (Incl. Ref. #16-20)	1

\*Not Illustrated

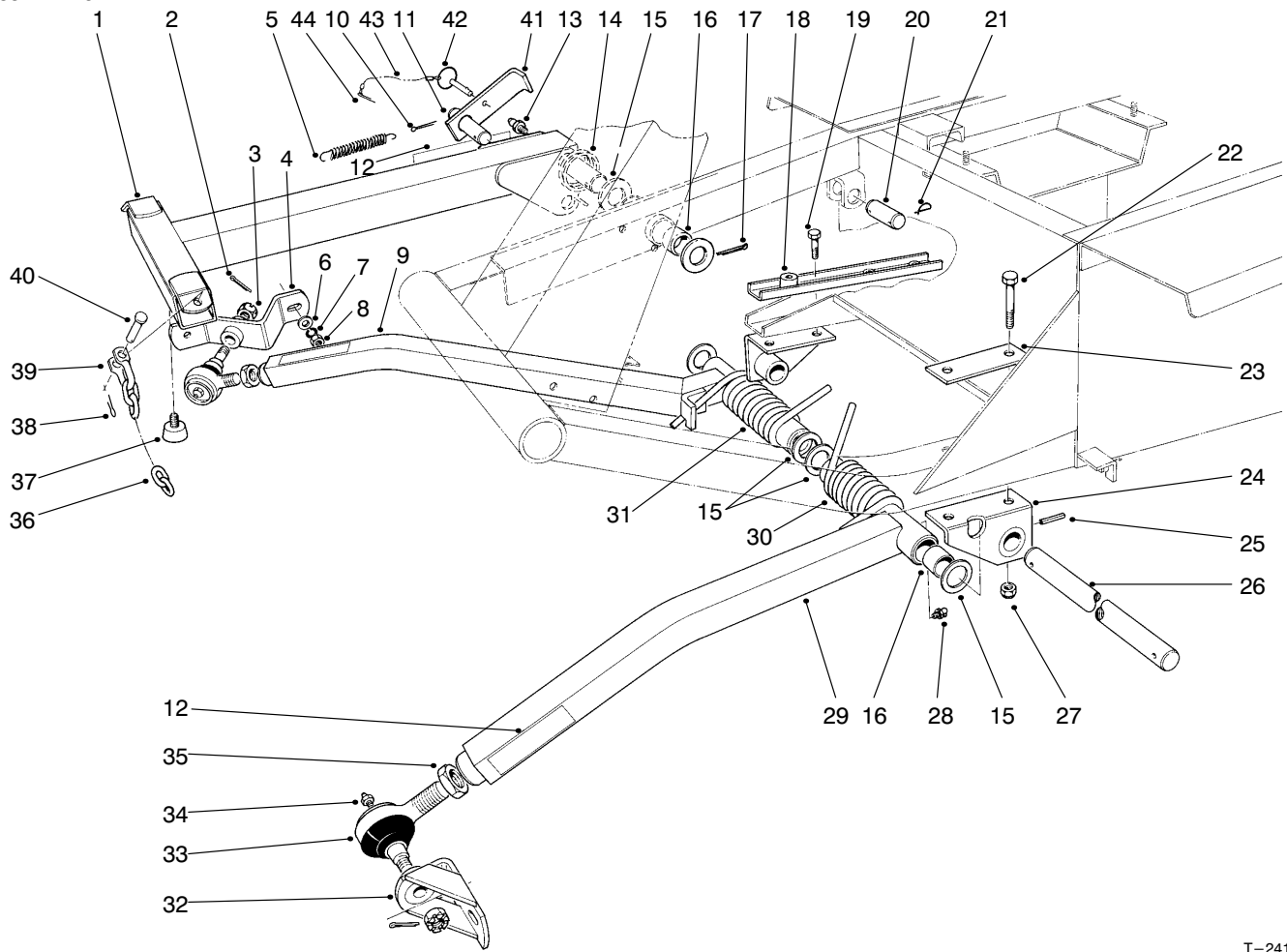


T-1188-2

## AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	20-4840	Muffler Clamp (Incl. Ref. #2)	1	14	32107-11	Nut	2
2	3217-6	Nut	2	15	27-7170	Asm. - Band (Incl. Ref. #14 & 16)	2
4	27-7110	Asm. - Element	1	16	3258-19	Screw - Mach. Rd. Hd.	2
5	27-7120	Asm. - Nut & Gasket	1	17	27-7100	Asm. - Air Cleaner (Incl. Ref. #3-8)	1
6	27-7140	Skirt - Baffle	1	18	44-8950	Tube - Air Cleaner	1
7	27-7130	Asm. - Clamp	1	19	93-7275	Decal - Starting Fluid	1
8	27-7150	Asm. - Cup	1	20	27-7180	Asm. - Cap, Air Inlet	1
9	2412-3	Hose - Clamp	1	21	3296-29	Nut - Lock	4
10	95-1836	Hose - Air Cleaner	1	22	77-3180	Spacer	4
11	2412-42	Hose Clamp	1	*	95-3092	400 Hour Filter Kit (Incl. Ref. #4)	1
12	80-3330	Gasket	1				
13	322-10	Screw - HH	4				

\*Not Illustrated



T-2414-1

## 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 - Hex. Slotted	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	Pin - Cotter	1
11	24-9510	Pin	1
12	93-6696	Decal - Warning	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	93-7040	Support Reinforcement	1
19	324-4	Screw - HH	2
20	3-7292	Pin	1
21	5-3126	Pin - Spring	3
22	324-11	Screw - HH	2

Ref. No.	Part No.	Description	No. Used
23	21-3750	Plate - Support	1
24	21-2860	Bracket - Push Arm	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	Asm. - Ball Joint	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
41	93-7650	Lever - Locking	1
42	93-7644	Pin - Hitch	1
43	28-8070	Lanyard	1
44	3272-7	Pin - Cotter	1

# TORO PART NUMBER INDEX

3317-145 REV D

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3-1365	Chain - Lift	50 36 3	21-8120	Adjustment Shim .030	18 35 A/R
3-6498	Washer	9 18 A/R	21-8180	Bearing	19 3 2
3-6657	Clip	8 31 2	21-8270	Pin - Dowel	17 3 2
3-6803	Washer	32 15 A/R	21-8360	Clip - Retaining	19 12 2
3-7243	Spring - Extension	11 13 2	21-8590	Link - Valve Lever	26 27 1
3-7292	Pin	50 20 1	21-8620	Lever - Valve	26 2 1
3-8812	Spacer	9 19 1	21-8640	Lever - Latch Valve	26 7 1
4-2390	Washer	30 49 2	21-9010	Pivot Mount - Valve Lever	26 11 1
5-0652	Spacer	9 37 1	21-9260	Cover - Dust	13 4 1
5-0652	Spacer	31 62 2	21-9370	Screw - Adjusting	19 16 2
5-0701	Anchor - Spring	9 52 1	21-9380	Nut - Pivot	19 17 2
5-0838	Washer - Flat	6 58 3	21-9390	Socket - Adjusting Screw	19 15 2
5-1226	Washer	20 17 3	21-9420	Spring - Shoe Return L.H.	19 19 2
5-1747	Spring	9 21 1	21-9430	Spring - Shoe Return R.H.	19 7 2
5-1754	Washer	50 15 6	21-9440	Spring - Adjusting Screw	19 14 2
5-2942	Shackle	50 39 3	21-9450	Dust Shield	19 5 2
5-3126	Pin - Spring	50 21 3	21-9460	Retainer - Brake Lever	19 10 4
5-3637	Washer	30 17 1	22-7810	Spacer	16 19 1
6-1659	Switch - Toggle	3 19 1	22-7820	Asm. - Buzzer	3 36 1
10-6830	Stud - Drive	20 32 10	22-8330	Plug	29 1 2
10-8110	Washer - Thrust	20 18 A/R	22-8340	Spring	29 3 2
11-0590	Screw - Tap	11 5 2	22-8350	Ball	29 4 2
11-0590	Screw - Tap	5 44 2	22-8360	Pin - Cam	29 6 2
11-9760	Screw - Tap	22 52 3	22-8370	Seat - Check Valve	29 5 2
12-5450	Thread Forming Screw	17 13 8	22-8380	Retainer - Spring	29 10 1
12-9990	Hour Meter	3 40 1	22-8390	Retainer - Spring	29 12 1
14-4149	Hood	6 55 1	22-8400	Spacer - Float	29 13 1
18-1720	Asm. - Ball Joint	30 3 2	22-8410	Spring	29 11 1
18-2770	Cable - Ground	2 52 1	22-8420	Spool	29 8 1
20-4840	Muffler Clamp	49 1 1	22-8480	Spring Ring Spool	29 14 1
21-0141	Asm. - Socket R.H. Thd.	20 39 2	22-8490	Ring - Snap	29 15 1
21-0141	Asm. - Socket, R.H.	11 26 1	22-8500	O-Ring	29 9 2
21-0151	Asm. - Socket L.H. Thd.	20 * 2	23-2240	Rod - Pump Control	11 17 1
21-0230	Pulley - PTO	9 13 1	23-2270	Bushing - Rubber	11 16 1
21-0400	Spring - Compression	9 48 1	23-5180	Dipstick	16 41 1
21-1600	Clamp - Lever, PTO	10 54 1	23-7270	Nut - Wheel	16 32 10
21-1820	Stud - Belt Retainer	30 42 2	23-9740	Oil Filter	22 34 1
21-1830	Spring - Tension	50 5 1	24-6390	Stud - Battery Hold Down	1 10 2
21-1830	Spring - Tension	9 50 2	24-6420	Hold Down - Battery	1 24 1
21-1880	Grip - Handle	9 1 1	24-8790	Differential Bevel Gear Side	17 5 2
21-1880	Grip - Handle	13 35 1	24-8840	Ring - Wheel Bearing	19 22 2
21-1990	Asm. - Tie Rod	20 42 2	24-9180	Strut & Lever Parking Brake	19 4 2
21-2660	Footrest	1 4 1	24-9510	Pin	50 11 1
21-2760	Pad - Foot Rest L.H.	2 47 1	24-9740	Cover - Battery Access	1 21 1
21-2770	Pad - Foot Rest R.H.	2 46 1	24-9830	Support - Axle	18 44 1
21-2820	Hub Wheel	20 30 2	25-2380	Plate - Thrust	25 50 2
21-2850	Mount - R.H. Pedal	11 4 1	25-2390	Plate - Motor Valve	25 57 1
21-2860	Bracket - Push Arm	50 24 2	25-2400	Gasket	25 59 1
21-2890	Spring - Torsion R.H.	50 31 1	25-2410	Asm. - Accel. Valve	24 17 2
21-2900	Spring - Torsion L.H.	50 30 1	25-2430	Pin - Dowel	25 52 2
21-2960	Push Arm L.H.	50 29 1	25-2440	Plate - Pump Valve	25 51 1
21-2990	Shaft - Pivot	50 26 1	25-2450	Variable Swashplate	24 48 1
21-3000	Nut - Jam	50 35 2	25-2460	Plug - HH	24 28 2
21-3020	Ball Joint Mount R.H.	50 4 1	25-2470	Shim Pack	24 29 2
21-3050	Ball Joint Mount L.H.	50 32 1	25-2480	Valve Spring	24 44 1
21-3370	Cable - R.H. Brake	11 * 1	25-2490	Ball	24 9 2
21-3380	Cable - L.H. Brake	11 15 1	25-2500	Shaft - Trunnion	24 43 1
21-3600	Foam - Tank Support	16 3 1	25-2510	Washer - Flat	24 25 2
21-3610	Foam - Tank Support	16 21 1	25-2530	Headless Straight Pin	24 39 1
21-3750	Plate - Support	50 23 1	25-2550	Housing - Charge Pump	24 34 1
21-7670	Differential Case	18 33 1	25-2560	Cone - Relief Valve	24 31 2
21-7690	Pinion Gear	17 6 2	25-2570	Valve Spring	24 30 1
21-7700	Pinion Mate Shaft	18 31 1	25-2580	Shaft - Trunnion	24 26 1
21-7720	Washer - Thrust	17 4 2	25-2610	Accel. Valve Spring	24 16 1
21-7730	Washer - Thrust	17 7 2	25-2620	By-Pass Valve	24 15 1
21-7770	Drive Gear Screw	18 32 5	25-2630	Back-Up Ring	24 14 1
21-7830	Gear Cover	17 12 1	25-2640	Valve Spring	24 8 2
21-7850	Cup - Plug	17 20 1	25-2650	Plug - Check Valve	24 6 2
21-8020	Spacer - Pinion Bearing	18 25 1	25-2680	Asm. - Gerotor	24 38 1
21-8090	Adjustment Shim .003	18 38 A/R	25-3180	Kit - Check Valve	24 11 2
21-8100	Adjustment Shim .005	18 37 A/R	25-3190	Charge Pump	24 40 1
21-8110	Adjustment Shim .010	18 36 A/R	25-3210	Seal - Lip	24 24 2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
25-8640	Screw - Machine	30	10	1	42-7230	Bearing Set	36	64	1
26-6740	Relay - Temperature Reset	3	18	1	42-7240	Bearing Set - Crankshaft	36	*	1
26-6750	Gauge - Engine Temp.	3	15	1	42-7250	Bearing Set - Crankshaft	36	*	1
27-1960	Hub - Engine	30	37	1	42-7260	Bearing Set - Crankshaft	36	*	1
27-2360	Switch - Key	3	10	1	42-7270	Asm. - Gauge, Oil Level	38	22	1
27-6590	Spacer - Rubber Coupling	22	22	2	42-7280	Asm. - Oil Pan	34	52	1
27-6600	Spacer - Rubber Coupling	22	20	6	42-7290	Gasket	38	37	1
27-7100	Asm. - Air Cleaner	49	17	1	42-7290	Gasket - Oil Drain Plug (18)	33	50	1
27-7110	Asm. - Element	49	4	1	42-7300	Gasket - Oil Pan	34	53	1
27-7120	Asm. - Nut & Gasket	49	5	1	42-7310	Bearing - Needle	35	3	1
27-7130	Asm. - Clamp	49	7	1	42-7320	Bearing - Needle	35	2	1
27-7140	Skirt - Baffle	49	6	1	42-7340	Gasket - Gear Case	35	5	1
27-7150	Asm. - Cup	49	8	1	42-7390	Seal - Oil	36	82	1
27-7170	Asm. - Band	49	15	2	42-7400	Plug - Taper	35	1	1
27-7180	Asm. - Cap, Air Inlet	49	20	1	42-7420	Cap - Oil Filter	33	18	1
27-7370	Asm. - Brake, PTO	9	25	1	42-7440	Hanger - Engine	33	29	2
27-7490	Pedal - L.H. Brake	11	41	1	42-7460	Guide - Valve	33	27	6
27-7510	Pedal - R.H. Brake	11	42	1	42-7470	Gasket - Cylinder Head	34	63	1
27-7590	Mount - Brake	11	34	1	42-7480	Glow Plug	33	28	3
27-7640	Shaft - Brake Latch	11	36	1	42-7490	Seal - Oil	33	21	2
27-7900	Screw - Adjusting	9	35	1	42-7500	Asm. - Cover, Rocker	33	23	1
27-8550	Pedal - Parking Brake	11	45	1	42-7510	Pipe	33	4	2
27-9270	Mount - Brake Pivot Shaft	11	35	1	42-7520	Gasket - Cover, Rocker	33	24	1
28-0650	Shaft - Flanged Axle	19	1	2	42-7530	Label - Engine No.	33	22	1
28-0670	Seal - Oil	19	8	2	42-7540	Fitting - Water Outlet	33	15	1
28-0680	Drum - Brake	19	13	2	42-7550	Gasket	33	9	2
28-1280	Boot - Cable	1	12	1	42-7650	Asm. - Connecting Rod	36	49	3
28-5220	Wheel - Friction	11	25	1	42-7660	Bearing Set	36	60	3
28-8070	Lanyard	50	43	1	42-7670	Bearing Set	36	*	3
28-9570	Pump Lever	22	51	1	42-7680	Bearing Set	36	*	3
29-6120	Pump Plate	22	3	1	42-7690	Bearing Set	36	*60	3
29-6150	Leaf Spring	22	46	1	42-7700	Gear - Crankshaft	35	10	1
29-6163	Micro Switch	22	2	1	42-7710	Crankshaft	36	59	1
29-6170	Extended Leaf Spring	22	7	1	42-7720	Pulley - Crankshaft	36	83	1
29-8910	Washer	32	12	2	42-7730	Key - Woodruff	39	58	1
31-0390	Disc - Friction	13	31	1	42-7730	Key - Woodruff	36	62	2
33-2570	Asm. - Radiator	5	19	1	42-7740	Nipple - Hose	33	11	1
33-4380	Pump Hub	22	14	1	42-7780	Gear - Camshaft	39	57	1
37-8770	Bolt - Shoulder	30	4	1	42-7790	Asm. - Idler Gear	39	56	1
37-9550	Strap - Fuel Tank	16	7	1	42-7810	Shaft - Injection Pump Cam	39	55	1
37-9650	Trim	1	29	1	42-7820	Bearing - Ball	39	53	1
38-1650	Gauge - Fuel	3	5	1	42-7830	Gear - Injection Pump Cam	39	61	1
38-1660	Ammeter	3	12	1	42-7840	Key - Sunk	39	54	1
38-1670	Clamp - Mounting	3	2	2	42-7850	Retainer - Valve Spring	35	20	6
38-3400	Guard - Rubber	26	5	1	42-7860	Lock - Spring Retainer	35	21	12
38-3400	Guard - Rubber	26	33	1	42-7880	Spring - Valve	35	19	6
38-3400	Guard - Rubber	23	60	1	42-7890	Tappet	35	33	6
38-3400	Guard - Rubber	6	64	1	42-7920	Rod - Push	35	32	6
38-4550	Instrument Cover	1	19	1	42-7930	Spring - Rocker Shaft L.H.	35	41	1
38-4600	Bar - Frame LH	5	26	1	42-7940	Arm - Rocker	35	22	6
38-7820	Bearing	32	5	2	42-7950	Washer - Seat	35	24	2
39-8020	Trim - Instrument Cover	1	22	1	42-7960	Shaft Assembly - Rocker	35	40	1
41-8760	Gasket - Transmission	22	45	1	42-7970	Stay - Rocker	35	23	3
42-6080	Shim	32	30	A/R	42-7980	Screw - Adjusting	35	30	6
42-6080	Shim - Axle	16	30	A/R	42-7990	Ring - Snap	35	43	2
42-7040	Seal - Side	36	65	4	42-8000	Asm. - Pump, Fuel Injection	38	2	1
42-7050	Guide - Oil Level Gauge	38	18	1	42-8010	Shim - 0.2 (.008 in.)	38	15	A/R
42-7060	Seal - Oil	36	55	1	42-8020	Shim - 0.3 (.012 in.)	38	*	A/R
42-7080	Cap - Sealing	35	15	2	42-8030	Shim - 0.4 (.016 in.)	38	*	A/R
42-7080	Cap - Sealing (25)	33	30	3	42-8040	Shim - 0.5 (.020 in.)	38	15	A/R
42-7090	Cap - Sealing	38	17	2	42-8050	Shim - 0.6 (.024 in.)	38	*	A/R
42-7090	Cap - Sealing (45)	33	36	1	42-8060	Shim - 0.7 (.028 in.)	38	*	A/R
42-7100	Bushing - Camshaft	36	79	1	42-8070	Shim - 0.8 (.032 in.)	38	*	A/R
42-7110	Shaft - Idler	35	11	1	42-8080	Shim - 0.9 (.036 in.)	38	*	A/R
42-7120	Case - Oil Seal	36	57	1	42-8090	Shim - 1.0 (.039 in.)	38	*	A/R
42-7130	Gasket - Oil Seal	36	58	1	42-8100	Collar - Union	38	4	1
42-7150	Gasket - Front Plate	35	9	1	42-8120	Gasket - Nozzle Holder	33	35	3
42-7160	Pin - Dowel	38	21	1	42-8130	Asm. - Pipe, Fuel Injection	38	7	1
42-7170	Plug - Expansion	39	51	1	42-8140	Asm. - Pipe, Fuel Injection	38	11	1
42-7180	Bushing - Knock	39	50	2	42-8150	Asm. - Pipe, Fuel Injection	38	12	1
42-7190	Bushing - Knock	39	72	2	42-8180	Asm. - Pipe, Fuel Return	38	33	1
42-7200	Bushing - Knock	39	52	1	42-8190	Joint	38	35	2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-8220	Holder - Delivery Valve	43 16 3	42-8910	Asm. - Rotor, Oil Pump	39 45 1
42-8220	Holder - Delivery Valve	45 16 3	42-8920	Cover - Oil Pump	39 44 1
42-8230	Spring - Delivery Valve	43 14 3	42-8930	Spring - Relief	38 39 1
42-8230	Spring - Delivery Valve	45 14 3	42-8940	O-Ring	39 46 1
42-8240	Gasket - Delivery Valve	43 13 3	42-8950	Gasket - Oil Pump Body	39 49 1
42-8240	Gasket - Delivery Valve	45 13 3	42-8960	Driven Unit - Speedometer	37 * 1
42-8250	Delivery Valve Sub Asm.	42 12 3	42-8970	Pin - Spring	35 35 1
42-8250	Delivery Valve Sub Asm.	45 12 3	42-8980	Sleeve - Gear	35 36 1
42-8260	Element Sub Asm.	42 11 3	42-8990	O-Ring	35 37 1
42-8260	Element Sub Asm.	45 11 3	42-9010	O-Ring	35 34 1
42-8270	Sleeve - Plunger Control	43 22 3	42-9020	Plate - Locking	36 63 1
42-8270	Sleeve - Plunger Control	45 22 3	42-9030	Asm. - Filter, Oil	38 42 1
42-8280	Seat - Spring, Upper	43 23 3	42-9070	Pulley - Water Pump	34 56 1
42-8280	Seat - Spring, Upper	45 23 3	42-9080	Asm. - Water Pump	34 60 1
42-8290	Spring - Pump Plunger	43 24 3	42-9090	Gasket - Water Pump	34 61 1
42-8290	Spring - Pump Plunger	45 24 3	42-9100	Belt - Fan	30 21 1
42-8300	Tappet Sub Asm.	43 27 3	42-9110	Gasket	33 41 1
42-8300	Tappet Sub Asm.	45 27 3	42-9120	Asm. - Intake Manifold	33 6 1
42-8310	Asm. - Rack, Control	43 21 1	42-9140	Gasket - Intake Manifold	33 7 1
42-8310	Asm. - Rack, Control	45 21 1	42-9150	Inlet - Pipe	33 3 1
42-8320	Seat - Spring, Lower	43 25 3	42-9160	Gasket - Inlet Pipe	33 5 1
42-8320	Seat - Spring, Lower	45 25 3	42-9170	Gasket - Exhaust Manifold	33 39 1
42-8330	O-Ring	43 15 3	42-9180	Wire - Glow Plug Lead	33 26 2
42-8330	O-Ring	45 15 3	42-9190	Lamp - Glow	3 14 1
42-8340	Pin - Tappet Guide	43 19 3	42-9200	Complete Gasket Set	34 * 1
42-8340	Pin - Tappet Guide	45 19 3	42-9210	Bolt - Bearing Cap	36 67 8
42-8350	Plate	43 20 1	42-9220	Screw - Cap Hex. Hd.	36 56 6
42-8350	Plate	45 20 1	42-9230	Screw - Cap (8 x 16)	33 51 15
42-8360	Asm. - Plate, Adjusting	43 18 2	42-9230	Screw - HH	38 32 2
42-8360	Asm. - Plate, Adjusting	45 18 2	42-9230	Screw - HH	32 34 1
42-8370	Screw - Air Breather	42 8 1	42-9230	Screw - HH	36 81 3
42-8370	Screw - Air Breather	44 8 1	42-9240	Screw - Cap (12 x 28)	33 44 3
42-8380	Screw - Hollow	42 10 1	42-9250	Screw - HH	35 14 4
42-8380	Screw - Hollow	45 10 1	42-9260	Plug - Oil Drain	33 49 1
42-8440	Shim - Plate	43 * A/R	42-9300	Screw - Cap (10 x 20)	34 64 2
42-8440	Shim - Plate	45 * A/R	42-9310	Screw - HH	33 1 4
42-8450	Shim - Plate	43 * A/R	42-9320	Bolt - Cylinder Head	33 31 8
42-8460	Spring Return	42 6 1	42-9350	Screw - HH	35 27 2
42-8460	Spring Return	44 6 1	42-9360	Bolt	35 26 2
42-8650	Nut - Retaining	46 8 3	42-9370	Screw - HH	35 42 1
42-8670	Flange	46 2 3	42-9390	Bolt (8 x 32)	33 33 6
42-8680	Asm. - Nozzle	46 7 3	42-9420	Bolt - High Speed Set	40 3 1
42-8690	Metal - Sealing	40 1 1	42-9430	Screw - HH	40 14 3
42-8700	Wire	40 2 1	42-9430	Screw - HH	41 14 3
42-8720	Asm. - Sliding Shaft	40 13 1	42-9440	Screw - HH	35 39 1
42-8720	Asm. - Sliding Shaft	41 13 1	42-9450	Asm. - Bolt/Washer	40 21 1
42-8730	Asm. - Governor Lever	40 20 1	42-9450	Asm. - Bolt/Washer	41 21 1
42-8730	Asm. - Governor Lever	41 20 1	42-9480	Screw - HH	39 43 3
42-8740	Spring - Tie Rod	40 11 1	42-9490	Screw - Cap (6 x 12)	34 58 4
42-8740	Spring - Tie Rod	41 11 1	42-9500	Screw - Cap (8 x 45)	34 55 3
42-8750	Tie Rod	40 12 1	42-9500	Screw - HH	37 87 8
42-8750	Tie Rod	41 12 1	42-9510	Screw - Cap (8 x 60)	34 59 1
42-8760	Shaft - Governor	40 22 1	42-9510	Screw - HH	30 46 2
42-8760	Shaft - Governor	41 22 1	42-9520	Screw - Cap (8 x 30)	33 43 5
42-8770	Lever - Governor Spring	40 8 2	42-9530	Screw - Cap (8 x 40)	34 66 1
42-8770	Lever - Governor Spring	41 8 2	42-9570	Stud (8 x 25)	33 38 5
42-8780	Asm. - Speed Control Lever	40 6 1	42-9580	Nut	30 19 2
42-8780	Asm. - Speed Control Lever	41 6 1	42-9580	Nut	32 20 4
42-8790	Asm. - Cover	40 29 1	42-9580	Nut	39 64 1
42-8790	Asm. - Cover	41 29 1	42-9580	Nut (8)	33 19 3
42-8800	Gasket Cover	40 30 1	42-9580	Nut - Jam	40 10 2
42-8800	Gasket Cover	41 30 1	42-9580	Nut - Jam	41 10 2
42-8810	Pin - Grooved	40 5 2	42-9590	Nut - Connecting Rod	36 61 6
42-8810	Pin - Grooved	41 5 2	42-9600	Washer - Lock	32 25 4
42-8810	Pin - Grooved	40 32 1	42-9600	Washer - Lock	30 40 3
42-8810	Pin - Grooved	41 32 1	42-9600	Washer - Lock	34 65 2
42-8820	Spring - Governor	40 23 1	42-9600	Washer - Lock	34 67 2
42-8820	Spring - Governor	41 23 1	42-9600	Washer - Spring	35 25 3
42-8830	O-Ring	40 7 2	42-9620	Nut - Jam	35 29 6
42-8830	O-Ring	41 7 2	42-9640	Nut - Jam	40 36 1
42-8850	Asm. - Oil Pump	39 * 1	42-9640	Nut - Jam	41 36 1
42-8900	Body - Oil Pump	39 48 1	42-9660	Washer - Flat	38 23 6

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
42-9660	Washer - Plain (8)	34 54 4	43-2830	Nut	40 4 1
42-9680	Washer	46 3 A/R	43-2910	Plate - Ungleich Set	42 3 A/R
42-9690	Washer	46 * A/R	43-2920	Plate - Ungleich Set	42 * A/R
42-9700	Washer	46 * A/R	43-2930	Plate - Ungleich Set	42 * A/R
42-9710	Washer	46 * A/R	43-2940	Plate - Ungleich Set	42 * A/R
42-9720	Washer	46 * A/R	43-2950	Plate - Ungleich Set	42 * A/R
42-9730	Washer	46 *3 A/R	43-3000	Plate - Smoke Set	44 * A/R
42-9740	Washer	46 * A/R	43-3010	Plate - Smoke Set	42 * A/R
42-9750	Washer	46 * A/R	43-3010	Plate - Smoke Set	44 * A/R
42-9770	Washer	42 9 1	43-3020	Plate - Smoke Set	42 * A/R
42-9770	Washer	45 9 1	43-3020	Plate - Smoke Set	44 7 A/R
42-9790	Washer - Head Bolt	33 32 8	43-3030	Plate - Smoke Set	42 7 A/R
42-9800	Washer	33 20 2	43-3040	Plate - Smoke Set	42 * A/R
42-9810	Washer - Flat	37 86 1	43-3050	Plate - Smoke Set	42 * A/R
42-9820	Washer	39 73 1	43-3060	Plate - Smoke Set	42 * A/R
42-9830	Washer - Seal	38 3 2	43-3070	Plate - Smoke Set	42 * A/R
42-9850	Washer - Lock	33 2 24	43-3110	Spring - Ungleich Set	42 2 1
42-9850	Washer - Lock	35 7 5	43-3110	Spring - Ungleich Set	44 2 1
42-9850	Washer - Lock	40 9 2	43-3120	Washer - Seal	40 27 1
42-9850	Washer - Lock	41 9 2	43-3120	Washer - Seal	41 27 1
42-9850	Washer - Lock	38 31 7	43-3130	Hose - Water	33 13 1
42-9860	Washer - Spring	36 85 1	43-3140	Clamp - Hose	33 12 2
43-0080	Nut - Set	47 10 1	43-3150	Asm. - Bolt/Washer	43 17 2
43-0090	Screw - Cap (10 x 25)	33 48 2	43-3150	Asm. - Bolt/Washer	45 17 2
43-0110	Screw - HH	38 14 3	43-3160	Screw - Adjusting	40 33 1
43-0110	Screw - HH	38 14 4	43-3160	Screw - Adjusting	41 33 1
43-0120	Screw - Set	47 3 1	43-3190	Screw - HH	30 41 3
43-0190	Spring Set	48 4 1	43-3200	Screw - HH	32 24 4
43-0370	Shim	39 65 A/R	43-3210	Screw - HH	30 28 4
43-0380	Spacer	39 66 1	43-3320	Foam - Radiator	5 28 2
43-0390	Alternator	39 67 1	43-3330	Shroud - Radiator	5 17 1
43-0400	Brace - Alternator	39 71 1	43-3340	Plate - Sealing, Grille	5 42 1
43-0410	Asm. - Regulator	3 25 1	43-3350	Hose - Upper Radiator	5 13 1
43-0420	Asm. - Pulley	47 2 1	43-3510	Pulley - Engine	30 27 1
43-0430	Asm. - Bracket, Front	47 4 1	43-3530	Pulley - Flywheel	32 26 1
43-0470	Stator	47 9 1	43-3690	Fan - Shaft	32 2 1
43-0480	Asm. - Rear Bracket	47 14 1	43-3700	Hub - Fan	32 4 1
43-0490	Asm. - Holder, Brush	47 11 1	43-3720	Collar - Bearing	30 32 1
43-0500	Brush	47 12 2	43-3730	Bracket - Throttle Control	31 52 1
43-0520	Asm. - Rectifier	47 13 1	43-3760	Lever - Throttle	31 54 1
43-1440	Engine Assembly	30 13 1	43-3770	Link - Throttle	30 1 1
43-1710	Asm. - Valve	26 13 1	43-3780	Swivel - Throttle Control	30 9 1
43-1730	Body	29 7 1	43-3790	Bracket - Belt Guide	30 48 1
43-1770	Plate - Rear	33 46 1	43-3820	Spacer	3 34 1
43-1780	Thermostat	33 14 1	43-3850	Muffler	32 17 1
43-1790	Fitting - Thermostat	33 10 1	43-3860	Shaft - Pivot, PTO	9 9 1
43-1800	Flywheel	36 53 1	43-3870	Support - Muffler	32 8 1
43-1810	Gear - Ring	36 54 1	43-3880	Pulley	32 10 1
43-1870	Manifold - Exhaust	33 42 1	43-3900	Guard - Fan Belt	8 5 1
43-1880	Asm. - Control Unit	3 27 1	43-3970	Panel - Instrument	3 16 1
43-1900	Screw - HH	39 68 1	43-3990	Throttle Control	3 23 1
43-1910	Fan - Cooling	32 1 1	43-4000	Circuit Breaker	3 21 1
43-1940	Adapter - Temp. Gauge	30 11 1	43-4010	Asm. - Wire	4 4 2
43-2550	Filter	7 15 1	43-4040	Asm. - Wire	4 3 1
43-2560	Gasket	7 16 1	43-4150	Fuel Tank	16 4 1
43-2570	Gasket	7 14 1	43-4160	Fitting - Return & Vent	16 13 1
43-2580	Magnet	7 17 1	43-4190	Asm. - Fitting	16 28 1
43-2600	Capscrew	38 10 2	43-4230	Hose	31 56 1
43-2710	O-Ring	38 19 1	43-4230	Hose Return	16 15 1
43-2720	Mold	47 16 1	43-4300	Trim - Rear Frame	1 32 2
43-2730	Solenoid - Tubular	40 17 1	43-5500	Pivot - PTO	9 31 1
43-2730	Solenoid - Tubular	41 17 1	43-5540	Shaft - PTO	9 43 1
43-2740	Gasket	40 19 1	43-5550	Shaft - Actuator, PTO	9 32 1
43-2740	Gasket	41 19 1	43-5570	Arm - Actuator, PTO	9 38 1
43-2750	Nut	40 18 1	43-5630	Yoke - PTO	9 51 1
43-2750	Nut	41 18 1	43-5690	Hose - Vent, Fuel Tank	16 16 1
43-2770	Lever - Stop	40 35 1	43-5910	V-Belt	32 11 1
43-2770	Lever - Stop	41 35 1	43-5920	Washer - Lock	47 17 1
43-2800	Screw - HH	40 24 1	43-5920	Washer - Lock	39 63 1
43-2800	Screw - HH	41 24 1	43-5930	Washer - Lock	38 9 1
43-2820	Sealing Cap	40 25 1	43-5930	Washer - Lock	40 15 4
43-2820	Sealing Cap	41 25 1	43-5930	Washer - Lock	41 15 4

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
43-5930	Washer - Lock	35 28 2	46-7630	Asm. - Bracket, Front	48 2 1
43-5930	Washer - Lock	34 57 4	46-7640	Asm. - Lever	48 3 1
43-5930	Washer - Lock	31 64 2	46-7650	Asm. - Bracket, Center	48 5 1
43-5950	Washer - Lock	30 26 4	46-7660	Asm. - Switch	48 6 1
43-5960	Nut - Special	40 26 1	46-7670	Armature Set	48 8 1
43-5960	Nut - Special	41 26 1	46-7680	Bearing - Front	48 7 1
43-5970	Nut	39 62 1	46-7710	Asm. - Shaft, Clutch	48 * 1
43-6240	Shim - Plate	43 * A/R	46-7720	Pinion Set	48 19 1
43-6240	Shim - Plate	45 * A/R	46-7740	Gear Set	48 * 1
43-6470	Nut	36 84 1	46-7750	Asm. - Shaft, Pinion	48 18 1
43-6550	Ring - Retaining	17 21 1	46-7760	Gear	48 17 1
43-6710	Adjustment Shim .003	17 15 A/R	46-7780	Asm. - Yoke	48 11 1
43-6711	Adjustment Shim .005	17 16 A/R	46-8050	Packing	48 10 1
43-6712	Adjustment Shim .010	17 17 A/R	46-8091	Screw - Flange	5 49 2
43-6713	Adjustment Shim .030	17 18 A/R	46-8400	Bearing - Needle	25 53 2
43-6750	Roller Bearing Cup	17 10 1	46-8410	Shaft - Motor	25 58 1
43-6760	Roller Bearing Cone	17 9 1	46-8810	Stop - Leaf Spring	23 56 1
43-6810	Torque - Spider	19 6 2	46-8840	Spring - Lift Arm	50 14 1
43-6840	Lower Housing	18 34 1	47-7420	Hose	31 55 1
43-7020	Hose - Lower Radiator	5 21 1	48-1800	Kit - Cylinder Block	24 5 2
43-8600	Spring - Compression	8 25 1	48-1980	Gasket	36 78 1
43-8600	Spring - Compression	10 66 1	48-1990	Nut - Jam	36 77 1
43-8610	Guide - Spring & Ball Seat	9 5 1	48-2010	Asm. - Screen, Oil	36 76 1
43-8610	Guide - Spring & Ball Seat	8 24 1	48-2020	Cylinder Block Sub Asm.	34 62 1
43-8620	Guide - Switch Pin	8 27 1	48-7630	Screw - HH	31 63 2
43-8620	Guide - Switch Pin	10 68 1	51-7500	Spring - Pressure	46 4 3
43-8860	Plunger - Switch	8 26 1	51-7520	Piece - Distance	46 6 3
43-8860	Plunger - Switch	10 67 1	51-7740	Stopper	48 20 1
43-8870	Boot - Switch	8 30 1	51-7780	Cover Set	48 16 1
43-8870	Boot - Switch	10 71 1	51-7810	Asm. - Brush Holder	48 13 1
43-9071	Asm. - Switch	10 * 1	51-7820	Spring - Brush	48 12 4
43-9071	Asm. - Switch	8 * 1	51-7830	Bracket - Rear	48 14 1
44-2210	Light - Warning	3 8 1	51-7850	Nut Set	47 1 1
44-2220	Wire Lead	3 6 1	51-7890	Screw - Set	47 19 1
44-2230	Coupling - Rubber	22 17 2	51-7910	Asm. - Rotor	47 7 1
44-8070	Asm. - Nozzle & Holder	33 34 3	51-7920	Bearing - Rear	47 8 1
44-8080	Body	46 1 3	53-8150	Asm. - Fuel Pump, Electric	7 13 1
44-8090	Asm. - Lever, Stop	40 31 1	53-9480	Washer	32 28 2
44-8090	Asm. - Lever, Stop	41 31 1	53-9480	Washer	30 39 2
44-8100	Spring Return	40 34 1	53-9660	V-Belt Torque Team	9 12 1
44-8100	Spring Return	41 34 1	53-9680	Engine Mount - Rubber	30 23 2
44-8950	Tube - Air Cleaner	49 18 1	53-9680	Mount - Engine, Rubber	32 29 2
46-2210	Shim - Front Pinion Bearing	17 22 A/R	53-9710	Mount - Engine	30 22 2
46-2211	Shim - Front Pinion Bearing	17 * A/R	53-9750	Mount - Fan	32 6 1
46-2212	Shim - Front Pinion Bearing	17 *22 A/R	54-7890	Housing - Pump	24 22 1
46-2213	Shim - Front Pinion Bearing	17 * A/R	54-8650	Screw - HHF	39 70 1
46-2214	Shim - Front Pinion Bearing	17 * A/R	54-8660	Washer	39 69 1
46-2215	Shim - Front Pinion Bearing	17 * A/R	54-8670	Bolt - Flywheel	36 52 5
46-2216	Shim - Front Pinion Bearing	17 * A/R	54-8680	Shim - Plate	43 * A/R
46-2220	Shim - Front Pinion Bearing	17 * A/R	54-8680	Shim - Plate	45 * A/R
46-2221	Shim - Front Pinion Bearing	17 * A/R	54-8690	Shim - Plate	43 * A/R
46-2222	Shim - Front Pinion Bearing	17 * A/R	54-8690	Shim - Plate	45 * A/R
46-2223	Shim - Front Pinion Bearing	17 * A/R	54-8700	Plate - Smoke Set	42 7 A/R
46-2224	Shim - Front Pinion Bearing	17 * A/R	54-8700	Plate - Smoke Set	44 7 A/R
46-2225	Shim - Front Pinion Bearing	17 * A/R	54-8710	Plate - Smoke Set	42 * A/R
46-2226	Shim - Front Pinion Bearing	17 * A/R	54-8710	Plate - Smoke Set	44 * A/R
46-2410	Shim - Front Pinion Bearing	17 * A/R	54-8730	Plate - Smoke Set	42 * A/R
46-2411	Shim - Front Pinion Bearing	18 22 A/R	54-8740	Plate - Smoke Set	42 * A/R
46-2412	Shim - Front Pinion Bearing	18 * A/R	54-8750	Plate - Smoke Set	42 * A/R
46-2413	Shim - Front Pinion Bearing	18 * A/R	54-8760	Plate - Smoke Set	42 * A/R
46-2414	Shim - Front Pinion Bearing	18 * A/R	54-8770	Plate - Smoke Set	42 * A/R
46-2415	Shim - Front Pinion Bearing	18 * A/R	54-8780	E-Ring	42 5 1
46-2416	Shim - Front Pinion Bearing	18 * A/R	54-8780	E-Ring	44 5 1
46-2420	Shim - Front Pinion Bearing	18 * A/R	54-9290	Bracket	22 29 2
46-2421	Shim - Front Pinion Bearing	18 * A/R	54-9300	Cover	22 28 1
46-2422	Shim - Front Pinion Bearing	18 * A/R	55-3572	Fuel Cap	16 18 1
46-2423	Shim - Front Pinion Bearing	18 * A/R	56-0220	Pin - Dowel	35 13 2
46-2424	Shim - Front Pinion Bearing	18 * A/R	56-0750	Clamp	38 8 2
46-2425	Shim - Front Pinion Bearing	18 * A/R	56-0760	Clamp	38 13 2
46-2426	Shim - Front Pinion Bearing	18 * A/R	56-0900	Plate - Smoke Set	44 * A/R
46-6390	Coupling - Drive	22 18 1	56-0910	Plate - Smoke Set	44 * A/R
46-7610	Asm. - Starter	33 47 1	56-0920	Plate - Smoke Set	44 * A/R

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
56-0930	Plate - Smoke Set	44 * A/R	67-5460	Head	28 5 1
56-0960	Plate - Smoke Set	42 * A/R	67-5470	Ring - Retaining	28 4 1
56-0990	Plate - Smoke Set	44 * A/R	67-5480	Shaft	28 2 1
56-1000	Plate - Smoke Set	44 * A/R	67-5500	Kit - Repair	28 3 1
56-1010	Plate - Smoke Set	44 * A/R	67-8020	Pump Shaft	24 20 1
56-1310	Asm. - Oil Pressure Switch	38 41 1	67-8050	Bearing - Needle	24 35 1
56-2120	Screw - Hex. Hd.	39 74 1	67-8190	Bracket - Engine Support	8 12 2
56-2460	Washer	20 45 A/R	67-8470	Strip - Retainer	5 30 1
56-7980	Sleeve - Protective	16 24 1	67-8570	Strip - Sealing	5 41 1
60-9760	Nut	27 12 1	67-8690	Support - Column	13 7 1
60-9760	Nut - Hex	28 7 1	67-8810	Hinge L.H.	8 10 1
60-9770	Piston	27 11 1	67-8820	Hinge, R.H.	8 4 1
60-9780	Head	27 5 1	67-8840	Pin - Hinge	5 7 1
61-4960	Kit - Seal Repair	27 * 1	67-8870	Support - Radiator	5 46 1
61-4980	Shaft - w/Clevis	27 1 1	67-9000	Screen - Rear	5 3 1
61-4990	Ring - Retaining	27 4 1	67-9030	Grille	5 47 1
62-3730	Screw - HH w/Washer	35 8 2	67-9080	Housing - Motor	24 4 1
62-3740	Plate - Front	35 6 1	67-9090	Plug	24 42 1
62-4250	Cylinder - Hydraulic	26 21 1	67-9100	Gasket	24 10 1
62-6840	Sender - Fuel Level	16 12 1	67-9800	Bumper	50 37 1
62-6940	Cap	40 37 1	68-5140	Cap - Steering Wheel	13 46 1
62-6940	Cap	41 37 1	68-5370	Decal - Toro	13 1 1
62-7650	Gasket	16 8 1	68-8610	Fender - Extension	2 43 1
63-1400	Guide - Belt	31 58 1	68-8660	Elbow	22 31 1
63-7590	Relay	3 42 1	68-8990	Head - Filter	22 33 1
63-8280	Asm. - Head	7 5 1	68-9110	Shim	32 37 A/R
63-8290	Vent	7 3 1	68-9111	Shim	32 * A/R
63-8300	Element - Fuel Filter	7 10 1	68-9112	Shim	32 * A/R
63-8310	Drain Valve	7 11 1	68-9160	Bracket	5 35 1
63-8360	Key	3 11 1	68-9650	Hose - Axle	22 37 1
63-8960	Asm. - Hose, Valve/Cooler	5 38 1	68-9710	Hose - Steering Cylinder	16 43 2
63-8970	Hose - Trans. to Steering	13 14 1	68-9720	Hose - Cylinder to Steering	13 19 1
63-8980	Hose - Aux. to Valve	13 22 1	68-9730	Hose - Steering to Cylinder	13 18 1
63-8990	Hose	26 15 1	68-9760	Base - Fuel Tank	16 2 1
63-8990	Hose	13 23 1	70-1180	Cable - Battery Positive	1 13 1
63-9010	Asm. - Hose, Cooler/Pump	5 27 1	70-1190	Cable - Ground	3 43 1
63-9230	Battery Type MF24-78, Dry	1 9 1	70-1190	Ground Cable	4 5 1
63-9260	Manifold - Valve	26 17 1	70-1380	Sleeve - Protective	13 17 1
63-9640	Hose Fuel	16 27 1	70-1390	Sleeve - Protective	13 15 1
63-9650	Hose	7 20 1	70-2200	Decal - Toro	1 2 1
63-9720	Hose	7 7 1	70-2620	Elbow - 90	22 38 1
65-5100	Handle - Hood	5 12 1	70-2810	Spring - Brush	47 15 1
66-1250	Cylinder - Hydraulic	26 * 1	70-3320	Bearing - Front	47 5 1
66-1930	Nut - Lock	21 6 1	70-3330	Bearing - Rear	48 9 1
66-1940	Piston	21 5 1	70-3970	Shim - Plate	43 26 A/R
66-2990	Cap - Spindle	20 54 2	70-3970	Shim - Plate	45 26 A/R
66-3200	Tread - Foot, LH	2 58 1	70-4070	Shim - Plate	43 * A/R
66-3240	Cap - Radiator	6 53 1	70-4070	Shim - Plate	45 * A/R
66-5310	Pulley - Idler	32 18 1	70-4080	Shim - Plate	43 26 A/R
66-5320	Spacer	32 19 1	70-4080	Shim - Plate	45 26 A/R
66-6370	Lift Arm	50 1 1	70-4090	Shim - Plate	43 * A/R
66-7030	Screw - HH w/Washer	32 32 2	70-4090	Shim - Plate	45 * A/R
66-7150	Push Arm R.H.	50 9 1	70-4100	Shim - Plate	43 * A/R
66-8111	Trim - Hood Cutout	6 54 1	70-4100	Shim - Plate	45 * A/R
66-9760	Nut - Hex.	13 2 1	70-4240	E-Ring	42 1 1
66-9780	Bushing	14 29 1	70-4240	E-Ring	44 1 1
66-9970	Spring Kit	14 * 1	71-4540	Washer - Thrust	20 8 A/R
66-9980	Seal Kit	14 * 1	72-3690	Fender	2 41 2
66-9990	Needle Roller Kit	14 * 1	72-3750	Bearing - Ball	24 2 1
67-1750	Bushing	20 4 6	72-4200	Ring - Set - Piston Std.	35 44 3
67-2390	Plug - Taper	35 12 2	72-4210	Ring Set - Piston	35 45 3
67-2390	Plug - Taper	38 36 1	72-4220	Ring Set - Piston	35 46 3
67-2500	Plunger - Relief	38 40 1	72-4230	Ring Set - Piston	35 47 3
67-2520	Plug	38 38 1	72-4240	Piston & Piston Pin Std.	36 48 3
67-2560	Screw - HH	40 28 3	72-4250	Piston & Piston Pin	36 * 3
67-2560	Screw - HH	41 28 3	72-4260	Piston & Piston Pin	36 * 3
67-2570	Plug - Taper	38 25 1	72-4270	Piston & Piston Pin	36 * 3
67-2570	Plug - Taper 1/8	33 37 1	72-4280	Camshaft	39 59 1
67-2860	Bolt - Connecting Rod	36 50 6	72-4290	Asm. - Head, Cylinder	33 8 1
67-4040	Asm. - Weight, Governor	40 16 1	72-4320	Switch - Ball	9 3 1
67-4040	Asm. - Weight, Governor	41 16 1	72-4320	Switch - Ball	8 20 1
67-5450	Piston	28 6 1			

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
72-6950	Retainer - Oil Level Guide	38	20	1	92-7801	Shield - Battery Cover	2	53	1
72-9420	Asm. - Vent Tube	18	39	1	92-7803	Support - Axle	20	6	1
74-0720	Tube - Manual	8	2	1	92-7807	Pin - Rear Axle	20	3	1
74-9510	Washer	25	60	4	92-7816	Axle - Rear	20	35	1
75-0560	Asm. - Steering Wheel	13	3	1	92-7821	Steering Pivot	20	38	1
75-9900	Engine Support - Front	30	29	1	92-7828	Cylinder - Hydraulic	20	16	1
76-1900	O-Ring	24	18	2	92-7833	Hose - Hydraulic	26	19	1
77-3120	Bracket - Mount, Column	13	9	1	92-7834	Hose	26	22	1
77-3140	Mount - Engine	32	22	1	92-7845	Spacer - Hardened	20	55	1
77-3170	Stop - Hood Cable	5	22	2	92-8775	Kit - Gasket, Liquid	19	*	2
77-3180	Spacer	49	22	4	92-8776	Plug	25	61	4
77-5141	Decal - Hood LH	5	50	1	92-8777	O-Ring	25	62	4
77-5151	Decal - Hood RH	5	*	1	92-8918	Center Section	25	55	1
77-5160	Foam - Side	5	2	1	92-8947	Transmission - Inline	22	42	1
77-5170	Foam - Top	5	1	1	93-0307	Retainer - Nut, Lock	20	56	2
77-5250	Spacer - Hood Cable	5	23	4	93-0309	Washer - Tab	20	27	2
79-9890	Washer - Shim	10	75	A/R	93-1351	Valve - Intake	35	16	3
80-2880	Bracket - Steering, Tilt	13	40	1	93-1352	Valve - Exhaust	35	17	3
80-2930	Washer	13	39	1	93-1353	Lever - Steering Tilt	13	34	1
80-2940	Plate - Pivot	13	29	1	93-1369	Asm. - Head, Cylinder	33	*	1
80-2960	Spacer - Tower	13	10	2	93-3180	Bolt - Cylinder Head	33	25	3
80-2980	Boss - Pin	13	32	1	93-3181	Pin - Pressure	46	5	3
80-3330	Gasket	49	12	1	93-3183	Tool Box	2	36	1
82-2590	Plug - Thrust	37	88	1	93-3184	Cover	2	54	1
82-8650	Clamp - Half	13	37	1	93-3188	Decal - Groundsmanager	5	4	2
82-8660	Cover - Tower	13	5	1	93-3198	Asm. - Spindle L.H.	20	33	1
82-8670	Rod - Brake Latch	11	10	1	93-3199	Asm. - Spindle R.H.	20	1	1
82-8760	Elbow	13	12	1	93-3654	Screw	47	18	1
82-8770	Elbow	13	21	1	93-3655	Screw - Set	48	1	1
82-8940	Decal - Steering, Tilt	13	44	1	93-3656	Gasket - Pump, Water	34	68	1
82-8950	Foam - Flange Hood	5	45	2	93-3657	Pin - Dowel	39	47	2
82-9010	Disc - Friction	13	38	1	93-3685	Pipe - Air Breather	33	16	1
84-8500	Lever - PTO	9	2	1	93-3687	Bolt Set	48	15	1
84-8520	Bracket - PTO Switch	9	6	1	93-3688	Cap - Shipping	35	31	1
84-8600	Asm. - Shoe & Lining	19	9	1	93-3689	Case - Gear	35	4	1
86-7040	Rod - Seat Prop	8	32	1	93-3769	Pin - Clevis	9	26	1
86-7050	Bracket - Switch Actuator	10	73	1	93-4132	O-Ring	25	54	2
86-7220	Gear - Transmission Output	22	44	1	93-4133	Seal - Lip	24	36	1
86-7230	Spur-Gear	17	14	1	93-6668	Decal - Charging	2	62	1
86-8100	Asm. - Ball Joint	50	33	2	93-6680	Decal - Diesel Fuel	1	31	1
86-9410	Bracket - Seat Support	6	59	1	93-6696	Decal - Warning	50	12	3
86-9580	Upper Housing	18	26	1	93-7040	Support Reinforcement	50	18	1
86-9600	Asm. - Differential	16	35	1	93-7042	Cover - Flywheel Guard	20	51	1
88-0070	Floor Plate	2	48	1	93-7252	Decal - CE	2	63	1
88-0470	Tube - Pedal, Spacer	11	49	1	93-7272	Decal - Warning	5	15	3
88-1640	Pin - Traction Pedal	11	20	1	93-7275	Decal - Starting Fluid	49	19	1
88-1650	Shaft - Traction Pedal	11	22	1	93-7276	Decal - Danger	2	61	1
88-1670	Bracket - Pivot	11	23	1	93-7410	Panel - Footrest	2	57	1
88-1680	Bracket - Footrest	11	48	1	93-7416	Insert - Shield, Dust	19	20	2
88-1710	Footrest	12	50	1	93-7626	Fender - RH	2	59	1
88-1720	Pad - Footrest	12	51	1	93-7644	Pin - Hitch	50	42	1
88-1790	Asm. - Wire Harness	4	2	1	93-7650	Lever - Locking	50	41	1
88-3370	Spacer - Sealing Plate	6	62	1	93-7806	Decal - Power Take off	1	18	1
88-3390	Plate - Sealing	5	37	1	93-7813	Decal - Instrument Panel	3	46	1
92-1773	Screw - HH	17	11	4	93-7821	Decal - Radiator Coolant	5	48	1
92-1774	Oil Seal	19	2	2	93-7822	Decal - Refueling	1	33	1
92-1961	Seal - Valve Stem	35	18	6	93-7823	Decal - Oil	16	42	1
92-4058	Arm - PTO	9	30	1	93-7830	Decal - Torque	2	42	2
92-4060	Fork - PTO	9	24	1	93-7831	Decal - Parking Brake	11	12	1
92-4848	Asm. - Gear & Pinion	18	*	1	93-7832	Decal - Caution	1	3	1
92-4903	Asm. - Upper Hsg. 2WD	18	*	1	93-7836	Decal - Traction Pedal	1	1	1
92-5723	Bushing - PTO Fork	9	23	2	93-7840	Decal - Radiator Cap	6	65	1
92-5727	Screw - HH	9	22	2	93-8472	Guard - Flywheel	8	34	1
92-5938	Ball Joint	20	14	2	93-8738	Guard - Flywheel	20	57	1
92-6588	Gland	21	3	1	93-8742	Pad - Brake	11	1	1
92-6593	Seal Kit	21	2	1	93-8743	Pad - Turn	11	2	2
92-7308	Valve - Power Steering	13	25	1	93-9729	Guard - Fan	6	67	1
92-7310	Bolt - Special	14	36	4	94-2689	Frame	2	40	1
92-7314	Asm. - Column	14	*	1	94-3304	Pedal - Traction	11	18	1
92-7315	Seal	14	28	1	94-3307	Pad - Front Pedal	11	47	1
92-7316	Nut - Push On	14	38	4	94-3308	Pad - Pedal Rear	11	19	1
92-7317	Foam	14	39	1	94-6934	Screw - Socket Head	19	21	8

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
94-6935	Nut - Lock	19	18	8	2412-4	Clamp	1	27	3
94-6936	Washer	19	23	8	2412-6	Clamp	16	17	2
94-9160	Engine Assembly	30	13	1	2412-31	Clamp - Bodine	30	6	1
95-1566	Plate - Ungleich Set	44	3	A/R	2412-34	Clamp - Hose	22	36	2
95-1567	Plate - Ungleich Set	44	*	A/R	2412-36	Clamp	13	24	2
95-1568	Plate - Ungleich Set	44	*	A/R	2412-36	Clamp - Hose	26	16	1
95-1569	Plate - Ungleich Set	44	*	A/R	2412-39	Clamp	5	40	1
95-1570	Plate - Ungleich Set	44	*	A/R	2412-42	Hose Clamp	49	11	1
95-1571	Plate - Ungleich Set	44	*	A/R	2412-61	Clip - Tinnerman	1	25	2
95-1572	Plate - Ungleich Set	44	*	A/R	2412-74	Clamp	1	35	1
95-1573	Plate - Smoke Set	44	*	A/R	2412-79	Clamp	16	14	1
95-1574	Plate - Smoke Set	44	*	A/R	2412-79	Clamp	30	15	1
95-1576	Plate - Smoke Set	44	*	A/R	2412-79	Clamp - Hose	38	34	8
95-1821	Spring - Compression	11	9	1	2412-108	Clamp - Hose	26	28	2
95-1836	Hose - Air Cleaner	49	10	1	2412-108	Clamp - Worm Drive	30	14	1
95-2746	Decal - Starting Instructions	1	20	1	2412-108	Hose Clamp	7	1	5
95-3092	400 Hour Filter Kit	23	*	1	2412-126	R-Clamp	16	25	1
95-3092	400 Hour Filter Kit	39	*	1	2412-127	Clamp	5	6	4
95-3092	400 Hour Filter Kit	49	*	1	2412-133	R-Clamp	8	3	2
95-3092	400 Hour Filter Kit	7	*	1	251-8	Bearing - Ball	24	46	1
212-93	Clip - Wire	10	53	1	251-234	Collar - Lock	9	41	2
212-93	Wire Clip	8	18	2	251-252	Bearing - Ball	30	33	1
217-106	Wheel	20	22	2	251-252	Bearing - Ball	9	40	2
217-116	Rim - 23x10.5x12	16	*	2	251-259	Bearing - Ball	22	5	1
217-117	Rim	16	33	2	252-82	Bearing - Needle	24	23	2
218-461	Nut - Jam	8	29	1	253-129	Closure	20	31	2
218-461	Nut - Jam	10	70	2	254-65	Cone - Tapered Bearing	18	28	2
218-473	Boot - Switch, Toggle	3	17	1	254-66	Cup - Tapered Bearing	18	27	2
218-515	Bracket - Mounting	3	39	1	254-72	Cup - Bearing	20	29	4
218-533	Lens	3	9	1	254-90	Bearing Cup	18	24	1
218-539	Clamp	3	13	1	254-91	Bearing Cone	18	23	1
231-90	Tube - Inner	16	*	2	254-94	Cone - Bearing	20	28	4
231-95	Tire - 23x10.5x12	16	*	2	256-10	Bushing	11	43	4
231-105	Tire	20	24	2	256-113	Bushing - Flange	9	47	4
231-138	Tire - 6 Ply	16	31	2	256-121	Bushing - Thrust	20	34	2
232-27	Valve Stem	16	*	1	256-126	Bushing	50	16	6
232-31	Valve Stem w/Cap	20	23	2	256-156	Bushing	11	6	5
232-31	Valve Stem w/Cap	16	34	2	256-242	Bushing	20	41	2
233-17	Knob	11	11	1	281-1	Plug - Taper	38	16	1
233-21	Knob	26	3	1	283-10	Pin	50	40	3
233-35	Knob	3	7	2	283-17	Pin	26	26	1
237-7	O-Ring	8	28	1	283-42	Pin - Clevis	9	7	1
237-7	O-Ring	10	69	1	283-58	Pin - Clevis	11	14	2
237-22	O-Ring	20	13	1	283-76	Pin - Lynch	6	60	1
237-22	O-Ring	24	13	1	285-17	Plug - Pipe	24	12	2
237-22	O-Ring	13	20	3	289-37	Pipe Nipple	16	40	1
237-22	O-Ring	26	29	2	2811-9	Street Elbow	16	39	1
237-22	O-Ring	23	58	1	302-2	Fitting - Grease	9	39	1
237-30	O-Ring	9	4	1	302-5	Fitting - Grease	20	19	3
237-30	O-Ring	13	13	3	302-5	Fitting - Grease	50	34	2
237-30	O-Ring	8	23	1	302-5	Fitting - Grease	11	44	2
237-30	O-Ring	26	30	2	302-5	Fitting - Grease	50	13	1
237-30	O-Ring	23	59	1	302-10	Fitting - Grease	9	10	1
237-42	O-Ring	29	2	2	302-10	Fitting - Grease	30	31	1
237-42	O-Ring	26	31	2	302-11	Fitting - Grease	20	36	1
237-42	O-Ring	23	57	2	302-33	Fitting - Grease	50	28	2
237-78	O-Ring	26	32	2	302-40	Fitting - Grease	20	11	2
237-80	O-Ring	22	30	1	302-55	Fitting - Grease	27	2	2
237-80	O-Ring	24	33	1	302-55	Fitting - Grease	28	1	2
237-81	O-Ring	22	32	3	304-46	Drain Cock	5	25	1
237-86	O-Ring	24	7	4	304-73	Fitting - Straight Barb	26	23	1
237-95	O-Ring	24	41	1	304-73	Hose Barb	7	19	1
237-141	Bumper - Radiator	6	52	2	304-75	Fitting - 90 Barb	26	20	1
241-119	Dust Cap	20	20	2	304-96	90 Hose Barb	7	2	1
242-34	Stud - Axle Flange	19	11	10	321-2	Screw - HH	22	26	2
242-50	Nut - Wheel	20	21	10	321-3	Screw - HH	32	36	4
249-21	Hook Clamp	1	16	3	321-4	Screw - HH	7	4	2
249-39	Latch - Flexible Draw	5	24	1	321-4	Screw - HH	5	5	2
249-40	Keeper	6	56	1	321-4	Screw - HH	30	7	1
2412-3	Clamp - Hose	5	14	4	321-4	Screw - HH	22	27	2
2412-3	Hose - Clamp	49	9	1	321-4	Screw - HH	3	30	2
2412-4	Clamp	16	23	1	321-4	Screw - HH	10	72	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
321-6	Screw - Cap Hex. Hd.	7	12	2	3234-13	Screw - HHF	20	53	2
321-6	Screw - HH	16	20	1	3234-14	Screw - HH	8	6	5
321-6	Screw - HH	3	44	1	3234-14	Screw - HH	2	44	2
321-6	Screw - HH	22	47	2	3234-14	Screw - HHF	5	16	11
321-23	Screw - HH	26	14	5	3234-17	Screw - HH	13	8	2
322-2	Screw - HH	8	21	2	3234-17	Screw - HH	8	16	4
322-4	Screw - HH	16	26	1	3234-18	Screw - HH	31	60	1
322-4	Screw - HH	24	37	4	3234-25	Screw - HHF	2	50	4
322-4	Screw - HH	13	43	1	3234-32	Screw - Flange	8	11	2
322-5	Screw - HH	3	29	2	3234-32	Screw - HHF	20	7	4
322-5	Screw - HH	1	34	1	3234-33	Screw - Flange	2	60	1
322-6	Screw - HH	22	21	6	3241-5	Screw - Set	22	16	2
322-6	Screw - HH	5	43	1	3241-5	Screw - Set Socket Head	30	36	2
322-8	Screw - HH	22	25	2	3245-1	Screw - Set	9	46	2
322-10	Screw - HH	49	13	4	3246-3	Screw - Set	9	29	4
322-17	Screw - HH	22	8	1	3249-11	Screw - Mach. Rd. Hd.	22	1	2
323-6	Screw - Cap Hex. Hd.	18	46	1	3250-17	Screw - PH	3	22	2
323-6	Screw - HH	13	27	2	3253-3	Washer - Lock	16	5	2
323-7	Screw - HH	22	39	2	3253-3	Washer - Lock	32	35	4
323-13	Screw - HH	11	32	1	3253-3	Washer - Lock	31	51	3
323-14	Screw - HH	5	32	3	3253-4	Washer - Lock	1	8	2
323-14	Screw - HH	12	56	1	3253-4	Washer - Lock	32	21	5
323-42	Screw - Cap Hex. Hd.	12	54	1	3253-4	Washer - Lock	30	47	2
323-56	Screw - HH	24	3	4	3253-6	Washer - Lock	50	7	2
324-4	Screw - HH	50	19	2	3253-17	Washer - Lock	3	3	6
324-11	Screw - HH	50	22	2	3253-17	Washer - Lock	16	9	1
324-11	Screw - HH	32	27	2	3253-21	Washer - Lock	11	29	4
324-12	Screw - HH	30	38	2	3253-21	Washer - Lock	22	40	2
329-7	Screw - HH	31	53	1	3253-21	Washer - Lock	18	45	1
3210-7	Screw - HH	22	6	1	3253-21	Washer - Lock	10	55	4
3210-7	Screw - HH	17	19	8	3254-2	Washer - Lock, Int. Tooth	30	18	2
3217-5	Nut - Hex.	31	50	1	3254-2	Washer - Lock, Int. Tooth	3	24	6
3217-6	Nut	49	2	2	3254-2	Washer - Lock, Int. Tooth	2	51	1
3217-6	Nut - Hex	3	32	2	3254-7	Washer - Lock	9	15	1
3217-6	Nut - Hex.	1	7	2	3254-9	Washer - Lock	22	49	2
3217-7	Nut - Hex	11	28	2	3255-5	Washer - Lock	3	38	1
3217-8	Nut - Full	50	8	2	3255-7	Washer - Lock, Ext. Tooth	3	31	3
3217-9	Nut	18	42	2	3255-7	Washer - Lock	22	50	3
3217-16	Nut - Hex.	22	48	2	3255-7	Washer - Lock, Ext. Tooth	7	21	2
3217-26	Nut - Hex.	3	37	1	3255-8	Washer - Lock	17	2	8
3218-5	Nut - Jam	11	3	2	3255-9	Washer - Lock, Ext. Tooth	31	61	1
3218-7	Nut - Jam	13	42	1	3256-3	Washer - Flat	22	23	4
3219-1	Nut	30	2	5	3256-3	Washer - Flat	13	28	4
3219-2	Nut	17	1	8	3256-6	Washer - Flat	9	20	1
3219-2	Nut - Hex	22	9	1	3256-6	Washer - Flat	18	43	2
3219-3	Nut - Hex.	9	33	1	3256-6	Washer - Flat	22	53	1
3219-7	Nut - Hex.	9	16	1	3256-14	Washer - Flat	3	35	1
3219-14	Nut - Hex.	3	1	6	3256-22	Washer - Flat	11	8	1
3219-14	Nut - Hex.	16	10	1	3256-22	Washer - Flat	30	8	1
3220-3	Nut - Jam	11	27	1	3256-22	Washer - Flat	6	68	4
3220-3	Nut - Jam	20	43	8	3256-23	Washer - Flat	8	22	2
3220-5	Nut - Jam	11	46	1	3256-25	Washer - Flat	50	6	1
3220-5	Nut - Jam R.H. Thd.	20	40	2	3256-26	Washer - Flat	11	40	1
3220-6	Nut	14	27	1	3256-28	Washer - Flat	9	14	4
3220-6	Nut - Jam	20	37	4	3256-41	Washer - Flat	9	36	4
3220-7	Nut - Jam	20	25	2	3256-46	Washer - Flat	13	26	2
3220-12	Nut - Jam L.H. Thd.	20	*	2	3256-64	Washer - Flat	30	25	4
3229-1	Bolt - Carriage	2	38	6	3257-5	Key - Woodruff	9	11	3
3230-1	Bolt - Carriage	12	52	2	3257-30	Key - Woodruff	32	3	2
3230-2	Bolt - Carriage	16	29	3	3257-32	Key - Woodruff	22	15	1
3231-21	Bolt - Carriage	11	31	2	3257-32	Key - Woodruff	24	21	1
3233-14	Bolt - Carriage	32	9	1	3257-33	Key - Woodruff	30	30	1
3234-1	Screw - HHF	5	18	2	3258-19	Screw - Mach. Rd. Hd.	49	16	2
3234-11	Screw - Flange	8	13	6	3269-10	Washer - Backup	5	10	2
3234-11	Screw - Flange	5	39	1	3272-5	Pin - Cotter	11	7	3
3234-11	Screw - HF	16	1	2	3272-6	Pin - Cotter	26	8	1
3234-11	Screw - HH	32	31	4	3272-6	Pin - Cotter	9	8	1
3234-11	Screw - HH	11	39	3	3272-6	Pin - Cotter	11	21	6
3234-11	Screw - HH	30	45	4	3272-7	Pin - Cotter	50	44	1
3234-11	Screw - HHF	1	28	5	3272-10	Pin - Cotter	50	38	3
3234-12	Screw - Flange	32	33	2	3272-10	Pin - Cotter	23	54	1
3234-12	Screw - HHF	1	6	5	3272-11	Pin - Cotter	50	2	2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3272-11	Pin - Cotter	9	28	1	32121-84	Pin - Roll	50	25	2
3272-13	Pin - Cotter	20	26	2	32121-91	Pin - Coil ,Spring	24	49	3
3272-16	Pin - Cotter	32	14	2	32122-16	Screw - Truss Hd.	6	61	1
3272-22	Pin - Cotter	9	17	2	32128-20	Nut - Flange	16	37	3
3272-24	Pin - Cotter	50	10	1	32128-20	Nut - Flange	2	37	1
3272-33	Pin - Cotter	50	17	1	32128-20	Nut - Flange	13	41	1
3274-47	Screw - HSFH	11	33	1	32128-20	Screw - HHF	5	29	11
3274-69	Screw - Socket Hd.	6	57	6	32128-21	Nut - Flange	1	5	10
3290-134	Screw - HH	3	4	2	32128-21	Nut - Flange	5	36	5
3290-144	Screw - HH	2	55	3	32128-23	Nut - Flange	20	5	4
3290-144	Screw - Machine	1	17	6	32128-23	Nut - Flange	32	16	1
3290-224	Washer - Lock	31	59	1	32128-23	Nut - Flange	30	24	2
3290-271	Rivet	5	11	4	32128-25	Nut - Flange	12	53	2
3290-357	Nut - Flange	32	7	8	32128-32	Nut - Flange	5	9	8
3290-357	Nut - Flange	8	14	6	32128-33	Nut - Flange	2	39	6
3290-357	Nut - Flange	1	26	5	32128-37	Nut - Flange	32	23	2
3290-357	Nut - Flange	30	43	7	32128-37	Nut - Flange	30	44	2
3290-378	Cable Tie	7	8 A/R		32128-42	Nut - Flange	50	27	4
3290-378	Cable Tie	1	23	2	32128-43	Nut - Flange Lock	12	55	2
3290-379	Cable Tie	3	41	1	32136-2	Nut - Hex. Slotted	50	3	2
3290-379	Tie - Cable	13	16	3	32136-3	Nut - Hex. Slotted	32	13	2
3290-379	Tie - Cable	5	31	4	32144-10	Screw - Tap	26	4	2
3290-379	Tie - Cable	30	16	1	32144-10	Screw - Tap	13	6	6
3290-424	Screw - HH	3	28	1	32144-10	Screw - Tap	8	33	2
3296-2	Nut	1	14	6	32144-10	Screw - Tap	2	45	11
3296-2	Nut - Lock	2	56	3	32144-10	Screw - Tap	20	52	4
3296-6	Nut - Lock	9	34	1	32144-14	Screw - Tap	20	2	1
3296-12	Nut - Lock	3	26	3	32144-21	Screw - PPH	13	45	1
3296-16	Nut - Lock	10	74	1	32144-53	Screw - Tap	16	11	5
3296-20	Nut - Lock	30	5	1	32144-67	Screw - Tap	16	36	4
3296-20	Nut - Lock	16	22	2	32146-20	Nut - Lock	20	9	1
3296-20	Nut - Lock	13	30	4	32148-9	Nut - Clinch	2	64	1
3296-28	Nut - Lock	9	27	1	32149-2	Nut	7	9	2
3296-29	Nut - Lock	22	4	1	32149-2	Nut	7	22	2
3296-29	Nut - Lock	49	21	4	32149-2	Nut	11	37	1
3296-29	Nut - Lock	13	36	2	32149-2	Nut - Lock	3	33	3
3296-42	Nut - Lock	22	10	6	32151-36	Ring - Retaining	20	12	3
3296-42	Nut - Lock	26	10	5	32151-46	Ring - Retaining	24	27	2
3296-59	Nut - Lock	6	63	1	32151-104	Ring - Retaining	20	10	2
32103-2	Nut - Wing	1	11	3	32152-1	Nut - Flange	30	12	1
32103-2	Nut - Wing	5	51	2	32152-1	Nut - Lock	22	19	8
32104-6	Screw - Tap	10	56	4	32153-2	Nut - Hex.	13	11	2
32104-96	Screw - HH	16	6	1	32153-2	Nut - Lock	11	30	2
32104-109	Screw - Hex. Hd.	6	66	4	32153-2	Nut - Lock	31	57	1
32104-116	Screw - Tap	5	20	4	340-54	Fitting 45	20	15	2
32107-11	Nut	49	14	2	340-70	Nut - Lock Bulkhead	5	34	2
32111-8	Nut - Acorn	5	8	2	340-71	Union - Bulkhead	5	33	2
32120-8	Ring - Retaining	24	1	1	340-77	Elbow	22	12	1
32120-11	Ring - Retaining	24	47	1	340-97	Fitting - 90	26	25	1
32120-15	Ring - Retaining	24	45	1	340-99	Elbow	22	13	1
32120-22	Ring - Retaining	9	42	2	340-99	Fitting - 90 Elbow	26	12	1
32120-22	Ring - Retaining, Internal	30	34	1	340-110	Elbow - 90	26	24	1
32120-69	Ring - Retaining, External	30	35	1	340-112	Elbow - 90	26	18	1
32120-72	Ring - Retaining External	22	43	1	353-508	Plug - Drain	22	41	1
32121-6	Pin - Roll	22	11	1	353-512	Plug	26	1	1
32121-6	Pin - Roll	11	24	1	353-550	Plug - HH	24	19	2
32121-9	Pin - Roll	9	49	1	353-551	Plug - HH	24	32	1
32121-15	Pin - Roll	18	30	1	353-702	Hose Barb	7	18	1
32121-24	Pin - Roll	23	55	1	353-975	Hose Barb	7	6	1
32121-73	Pin - Slotted Spring	26	9	1	353-987	Elbow	22	35	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 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 – 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.
2. Part number – description – and the quantity of part(s) desired.

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

# TABLE OF CONTENTS

Description	Page	Description	Page
Main Frame Assembly .....	1-2	Valve and Cylinder Assembly .....	26
Instrument Panel Assembly .....	3	Hydraulic Lift Cylinder Assembly	
Electrical Schematic .....	4	No. 62-4250 (2-1/2" Bore) .....	27
Radiator & Hood Assembly .....	5-6	Hydraulic Lift Cylinder Assembly	
Fuel Filter Assembly .....	7	No. 66-1250 (3" Bore) (Opt.) .....	28
Interlock Assembly .....	8	Control Valve Assembly No. 43-1710 .....	29
Power Take Off (PTO) Assembly .....	9-10	Engine Assembly .....	30-39
Brake Pedal Assembly .....	11-12	Governor Assembly .....	40-41
Power Steering Assembly .....	13	Fuel Injection Pump Assembly	
Power Steering Valve Assembly		No. 42-8000 .....	42-43
No. 92-7308 .....	14	Fuel Injection Pump Assembly .....	44-45
Hydraulic Schematic .....	15	Nozzle and Holder Assembly	
Front Axle and Fuel Tank Assembly .....	16	No. 44-8070 .....	46
Differential Assembly No. 86-9600 .....	17-18	Alternator Assembly No. 43-0390 .....	47
Brake Assembly .....	19	Starter Assembly No. 46-7610 .....	48
Rear Axle and Wheel Assembly .....	20	Air Cleaner Assembly .....	49
Hydraulic Cylinder No. 92-7828 .....	21	Push Arm Assembly .....	50
Transmission Installation Assembly .....	22-23	TORO Part Number Index .....	51-60
Transmission Assembly No. 92-8947 .....	24-25		





