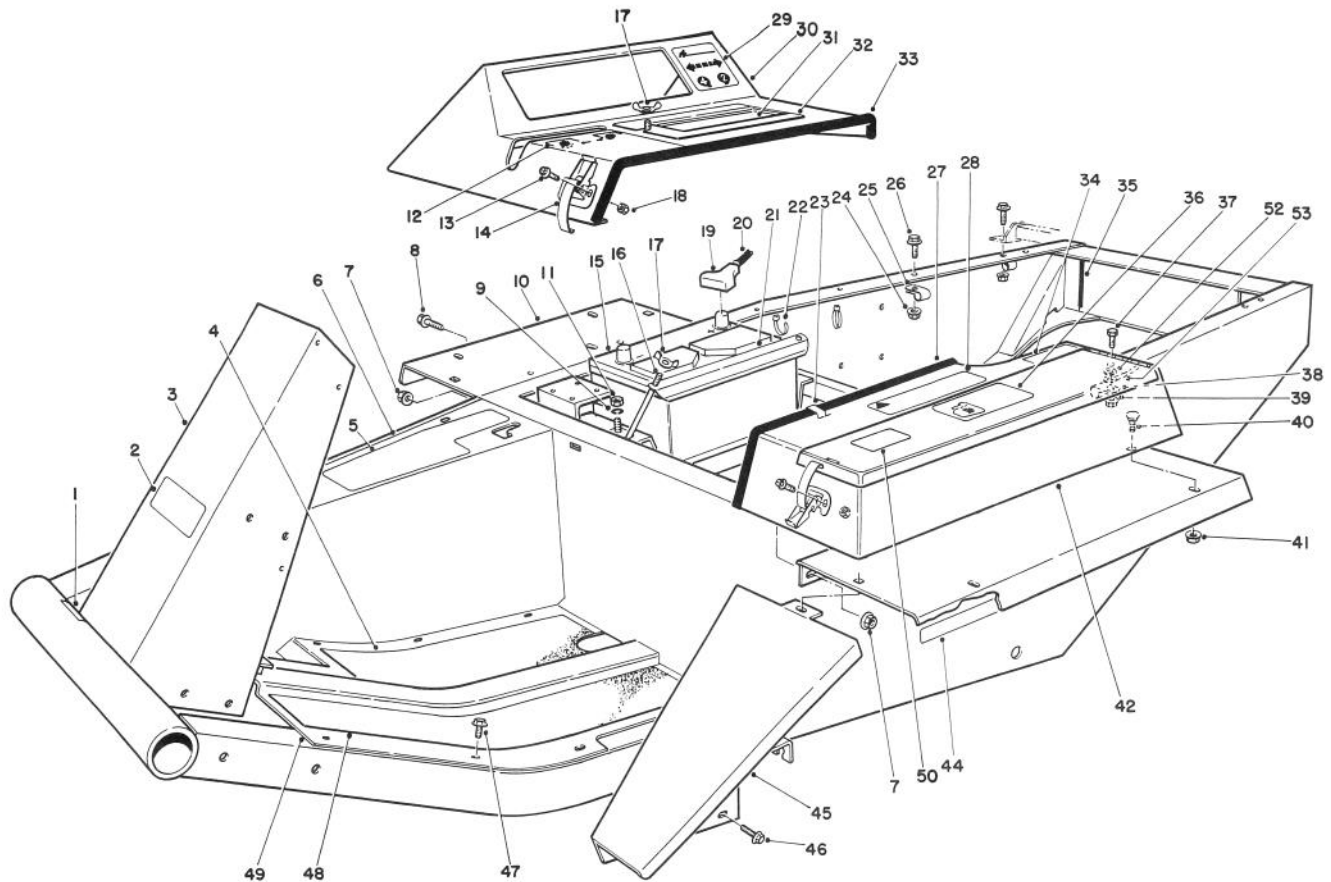


TORO®

MODEL NO. 30741-30001 & UP

PARTS CATALOG

GROUNDMASTER® 325D Intl. 4WD TRACTION UNIT



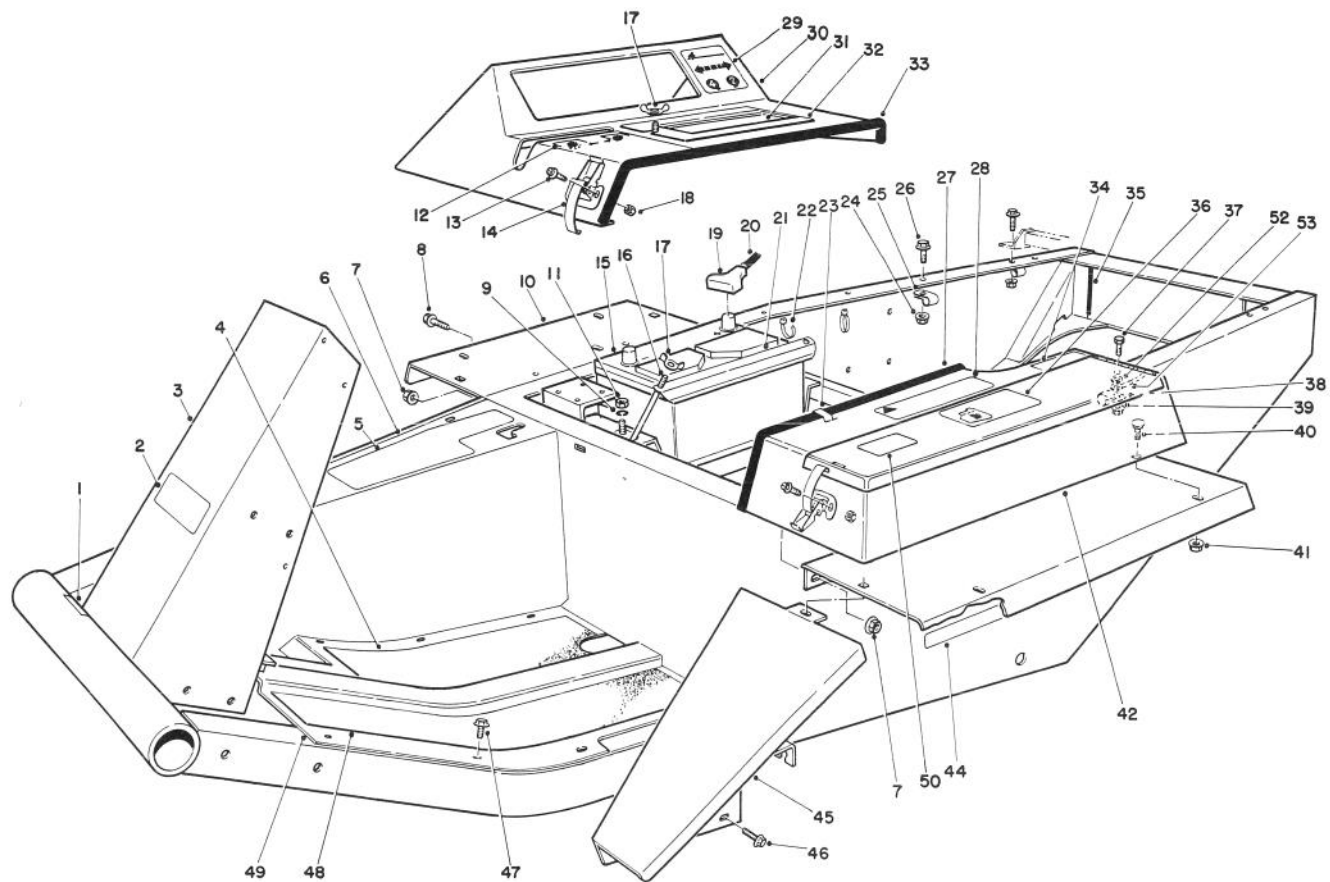
T-1232

MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-7320	Decal - Traction Pedal	1
2	70-2200	Decal - Toro	1
3	82-8980	Frame (Incl. Ref. #7)	1
4	21-2770	Pad - Foot Rest R.H.	1
5	66-6390	Decal - Caution	1
6	21-2660	Footrest	1
7	32128-21	Nut - Lock Flange	6
8	3234-12	Screw - Hex. Hd. Flange	4
9	3253-4	Washer - Lock	2
10	72-3690	Fender	2
11	3217-6	Nut	2
12	27-7290	Decal - Power Take Off	1
13	3290-144	Screw - Machine	6
14	249-21	Clamp - Hook	3
15		Battery - Type MF214-78	1
16	24-6390	Stud - Battery Hold Down	2

Ref. No.	Part No.	Description	No. Used
17	32103-2	Nut - Wing	3
18	3296-2	Nut - Lock	6
19	28-1280	Boot - Cable	1
20	70-1180	Cable - Battery Positive (Incl. Ref. #19)	1
21	24-6420	Hold Down - Battery	1
22	3290-378	Tie - Cable	2
23	2412-61	Clip - Tinnermann	2
24	3290-357	Nut - Lock Flange	5
25	2412-4	Clamp	3
26	3234-11	Screw - Cap Locking Fl.	5
27	37-9650	Trim	1
28	67-1710	Decal - Caution	1
29	71-4860	Decal - 4 WD Control	1
30	38-4550	Cover - Instruments	1
31	43-4290	Decal - Instructions Start.	1
32	24-9740	Cover - Access Battery	1

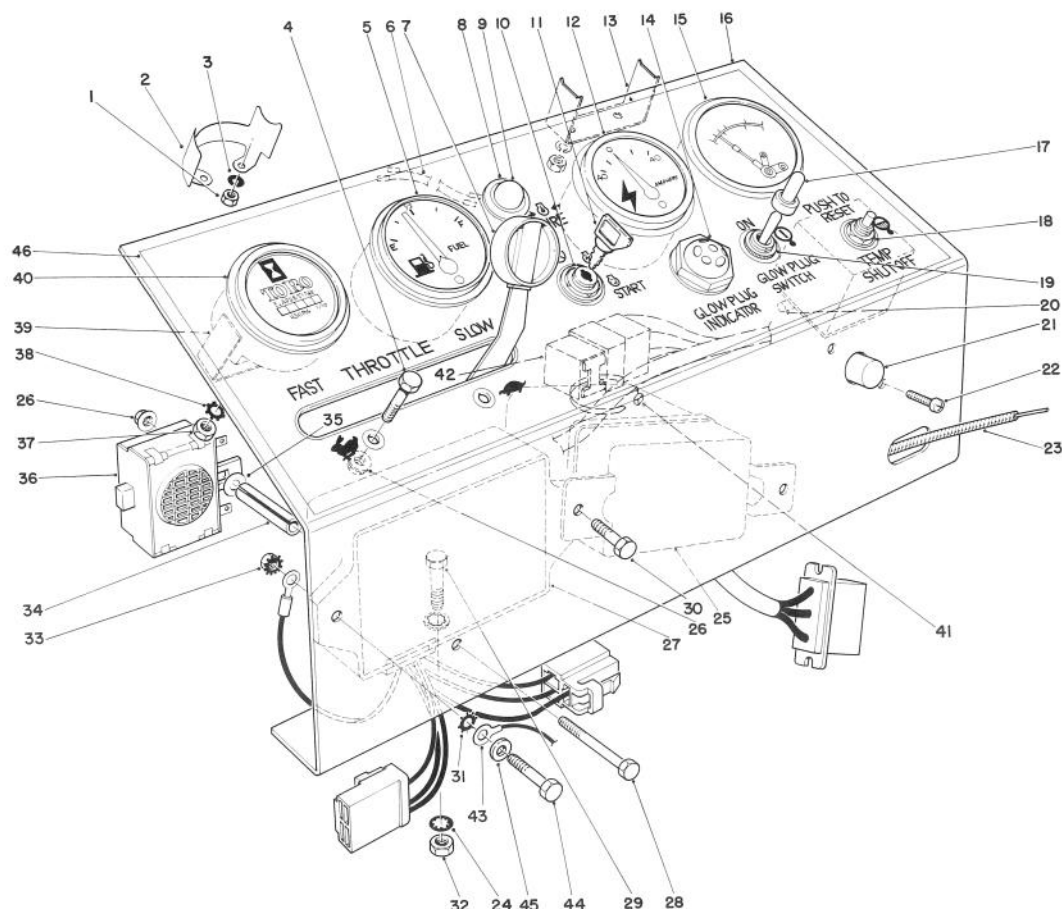
TPS



T-1232

MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
33	39-8020	Trim - Cover Instruments	1	44	67-1720	Decal - Torque	2
34	49-2280	Decal - Fuel Diesel	1	45	68-8610	Fender - Extension	1
35	43-4300	Trim - Frame Rear	2	46	3234-14	Screw - Cap Hex. Hd.	2
36	27-7310	Decal - Refueling	1	47	32144-10	Screw - Self-Tapping	11
37	322-5	Screw - Cap Hex. Hd.	1	48	21-2760	Pad - Foot Rest L.H.	1
38	2412-74	Clamp	1	49	88-0070	Plate - Floor	1
39	32128-20	Nut - Lock Flange	1	50	72-3700	Decal - Caution	2
40	3229-1	Bolt - Carriage	5	52	3254-2	Washer - I.T.L.W.	1
41	32128-33	Nut - Lock Flange	5	53	18-2770	Cable - Ground	1
42	38-4530	Tool Box	1				

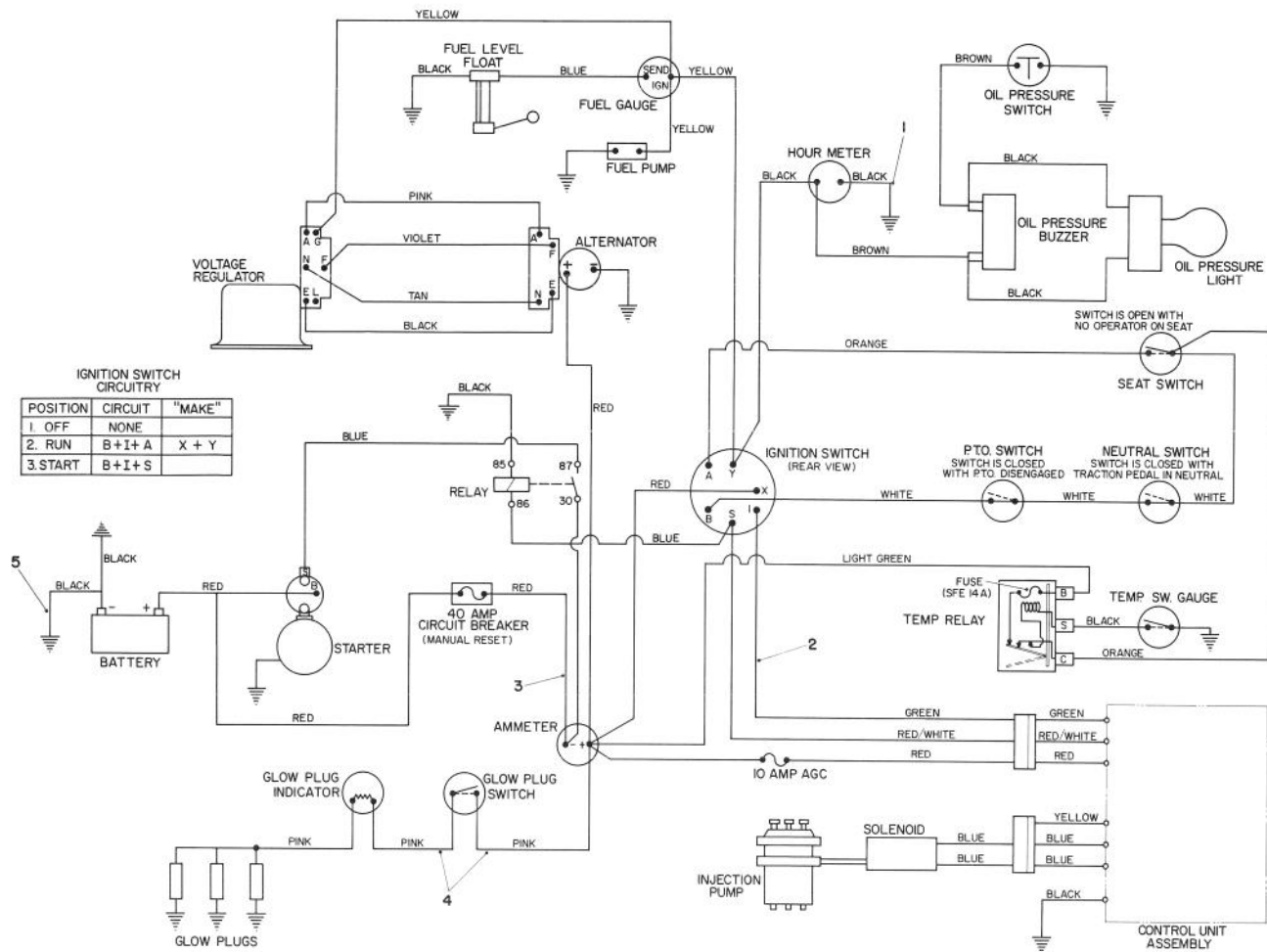


T-0408

INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-14	Nut	6	22	3250-17	Screw - Pan Hd.	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 - Hex. Hd. Mach.	2	25	43-0410	Regulator Assembly	1
5	38-1650	Fuel Gauge (Incl. Ref. #1-3)	1	26	32128-17	Nut - Lock Flange Hd.	3
6	44-2220	Wire Lead	1	27	43-1880	Control Unit Assembly	1
7	233-35	Knob	2	28	3290-424	Screw - Hex. Hd. Mach.	1
8	44-2210	Warning Light (Incl. Ref. #9)	1	29	322-5	Screw - Cap Hex. Hd.	2
9	218-533	Lens	1	30	321-4	Screw - Cap Hex. Hd.	2
10	27-2360	Key Switch (Incl. Ref. #11)	1	31	3255-7	Washer - Lock Ext. Tooth	3
11	63-8360	Key	1	32	3217-6	Nut - Hex	2
12	38-1660	Ammeter (Incl. Ref. #1-3)	1	33	32149-2	Nut - Lock	3
13	218-539	Clamp	1	34	43-3820	Spacer	1
14	42-9190	Glow Lamp	1	35	3256-14	Washer - Flat	1
15	26-6750	Engine Temperature Gauge (Incl. Ref. #1, 3, & 13)	1	36	22-7820	Buzzer Assembly	1
16	43-3970	Panel - Instrument	1	37	3217-26	Nut	1
17	218-473	Toggle Switch Boot	1	38	3255-5	Washer - Lock	1
18	26-6740	Temperature Reset Relay	1	39	218-515	Mounting Bracket	1
19	6-1659	Toggle Switch (Incl. Ref. #17)	1	40	12-9990	Hour Meter (Incl. Ref. #37-39)	1
†20		Fuse - Temp. Relay	1	41	3290-379	Cable Tie	1
		14 Amp. SFE	1	42	63-7590	Relay	1
21	43-4000	Circuit Breaker	1	43	70-1190	Cable - Ground	1
				44	321-6	Screw - Cap Hex. Hd.	1
				45	3256-1	Washer - Flat	1
				46	43-3980	Decal - Panel, Instrument	1

†Obtain Locally

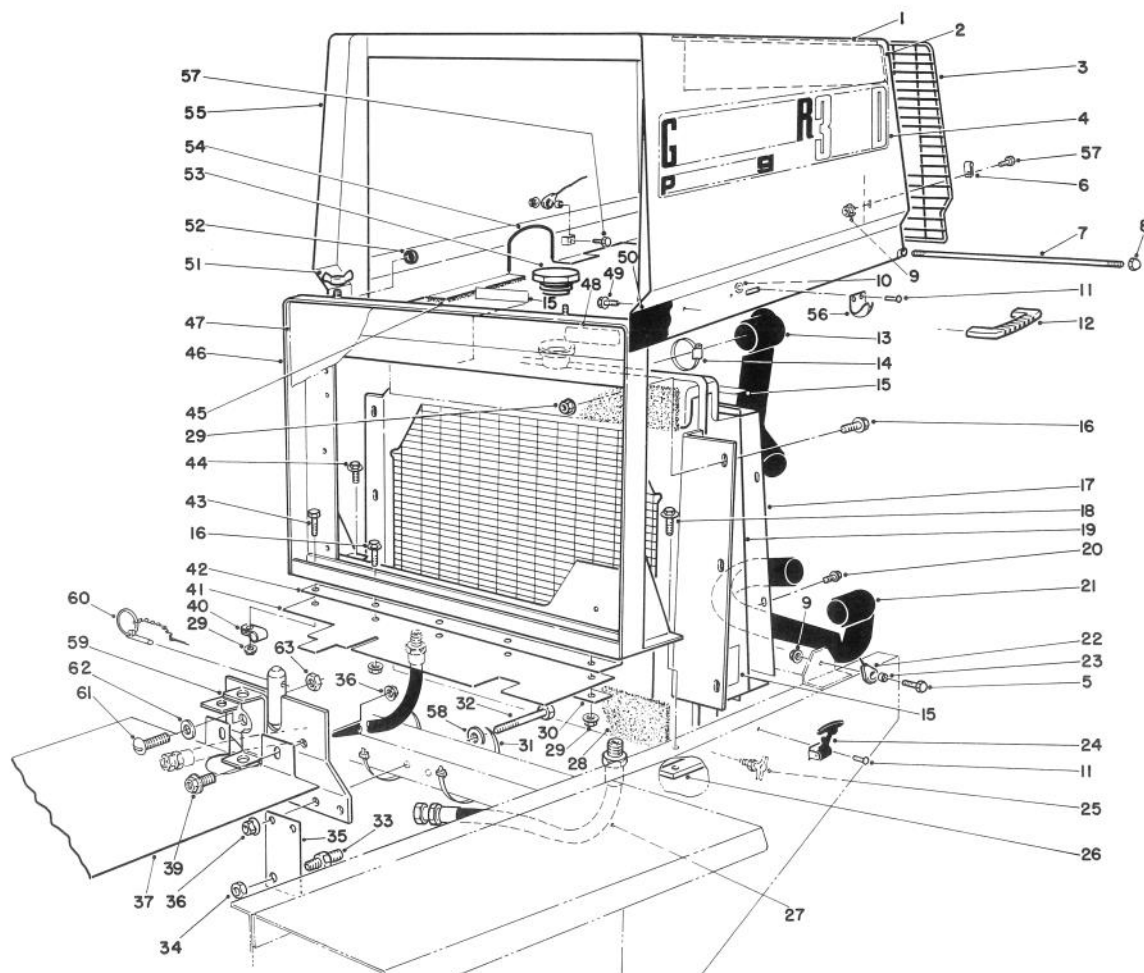


T-0409

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	21-2370	Wire - Hour Meter Ground	1
2	88-1790	Wire Harness Assembly	1
3	43-4040	Wire Assembly	1

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

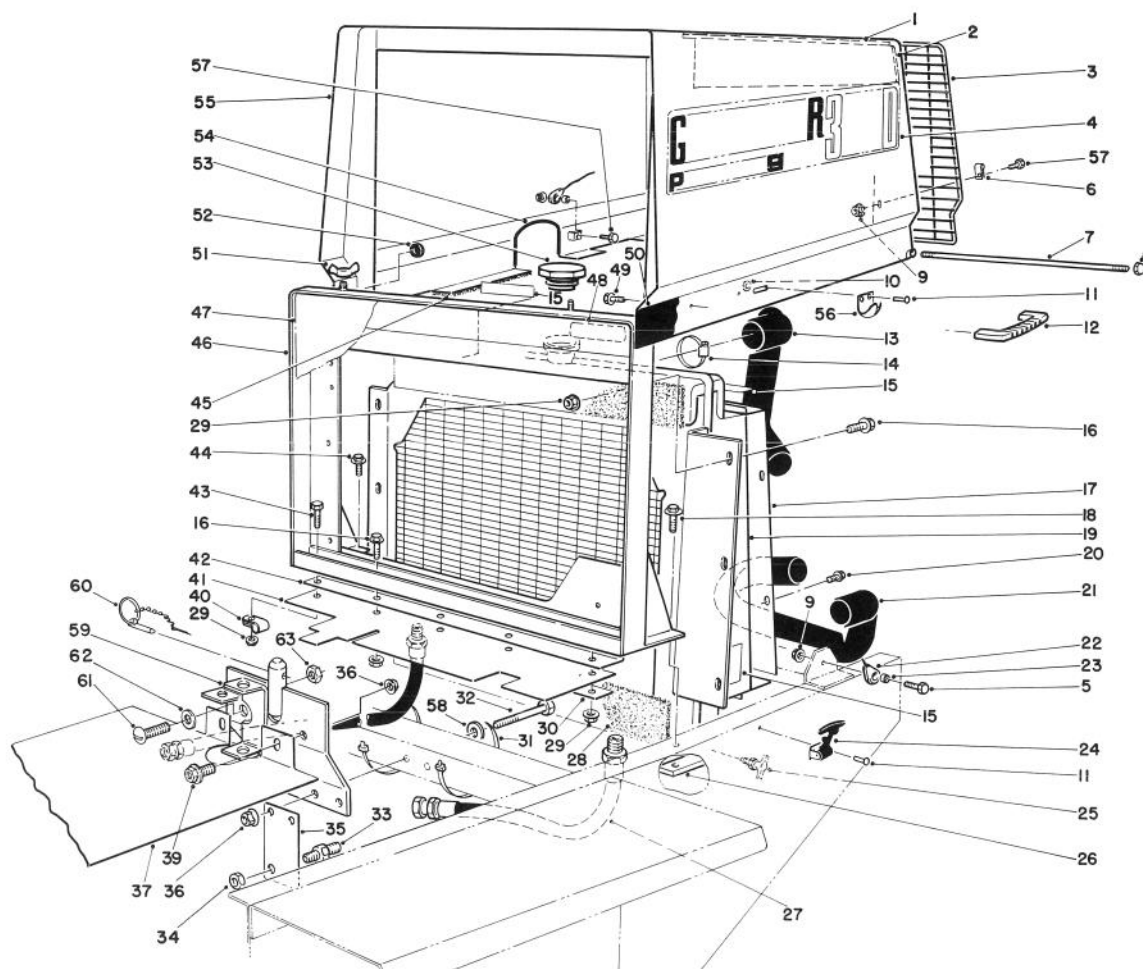


T-1185

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	77-5170	Foam - Top	1
2	77-5160	Foam - Side	1
3	67-9000	Screen - Rear	1
4	84-8610	Decal - Groundsmeister	2
5	321-4	Screw - Cap Hex. Hd.	2
6	2412-127	Clamp	4
7	67-8840	Pin - Hinge	1
8	32111-8	Nut - Acorn	2
9	32128-32	Nut - Flange	8
10	3269-10	Washer - Backup	2
11	3290-271	Rivet	4
12	65-5100	Handle - Hood	1
13	43-3350	Hose - Upper Radiator	1
14	2412-3	Clamp - Hose	4
15	77-3100	Decal - Warning	3
16	3234-14	Screw - Flange Hex. Hd.	11
17	43-3330	Shroud - Radiator	1
18	3234-1	Screw - Flange, Hex. Hd.	2
19	33-2570	Radiator Assembly	1
20	32104-116	Screw - Self Tapping	8
21	43-7020	Hose - Lower Radiator	1
22	77-3170	Stop - Cable Hood	2
23	77-5250	Spacer - Cable Hood	4
24	249-39	Latch - Draw Flexible	1
25	304-46	Drain Cock	1
26	38-4600	Bar - Frame LH	1

Ref. No.	Part No.	Description	No. Used
27	63-9010	Hose Assy. - Cooler/Pump	1
28	43-3320	Foam - Radiator	2
29	32128-20	Screw - Flange Hex. Hd.	11
30	67-8470	Strip - Retainer	1
31	3290-379	Tie - Cable	4
32	323-14	Screw - Cap Hex. Hd.	3
33	340-71	Union - Bulkhead	2
34	340-70	Nut - Lock Bulkhead	2
35	68-9160	Bracket	1
36	32128-21	Nut - Flange	4
37	88-3390	Plate - Sealing	1
38	63-8960	Hose Assy. - Valve/Cooler	1
39	3234-11	Screw - Flange	2
40	2412-39	Clamp	1
41	67-8570	Strip - Sealing	1
42	43-3340	Plate - Sealing, Grille	1
43	322-6	Screw - Cap Hex. Hd.	1
44	11-0590	Screw - Self Tapping	2
45	82-8950	Foam - Flange Hood	2
46	67-8870	Support - Radiator	1
47	67-9030	Grille	1
48	82-8970	Decal - Coolant Radiator	1
49	46-8091	Screw - Flange	2
50	77-5140	Decal - Hood 4wd L.H.	1
*	77-5150	Decal - Hood 4wd R.H.	1
51	32103-2	Nut - Wing	2



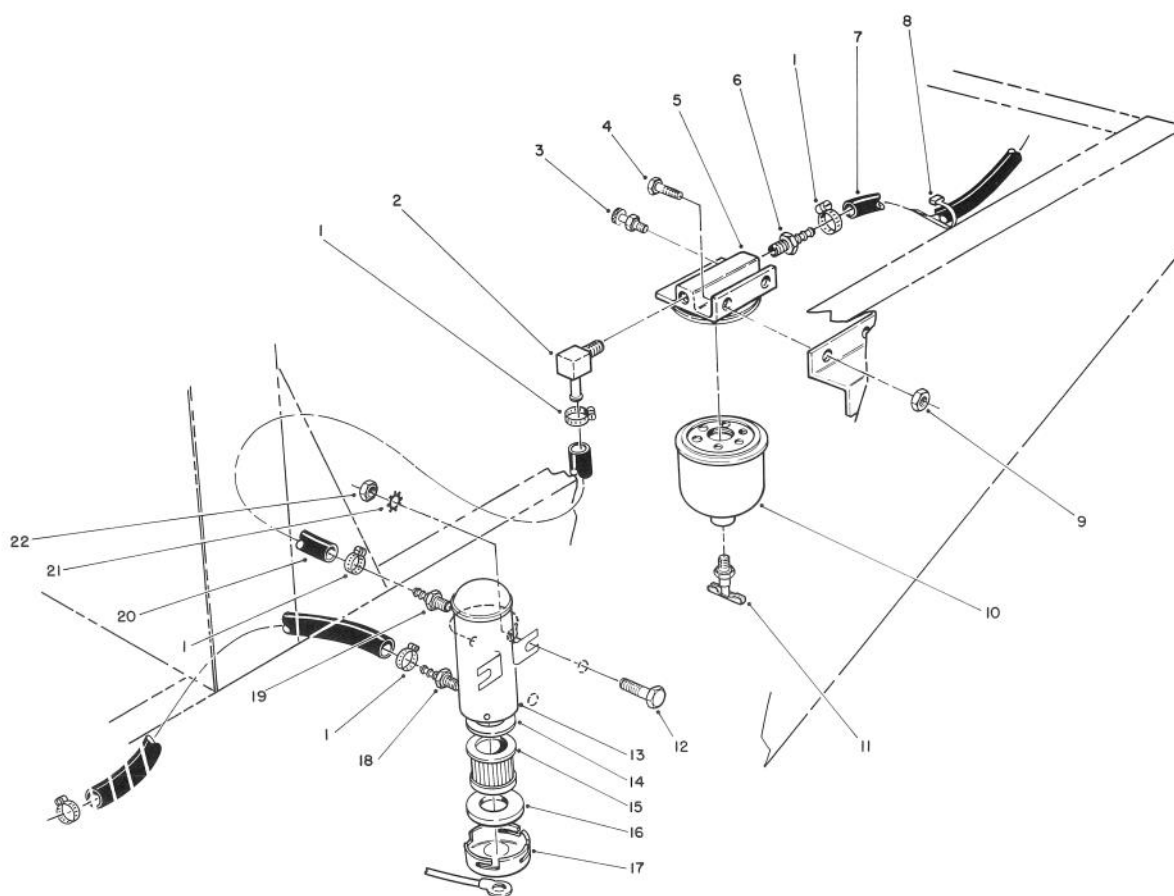
T-1185

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
52	237-141	Bumper - Radiator	2
53	66-3240	Cap - Pressure Radiator	1
54	66-8111	Trim - Hood Cutout	1
55	14-4149	Hood	1
56	249-40	Keeper	1
57	3274-69	Screw - Hex. Socket Hd.	6

Ref. No.	Part No.	Description	No. Used
58	5-0838	Washer - Flat	3
59	86-9410	Bracket - Seat Support	1
60	283-76	Pin - Lynch	1
61	32122-16	Screw - Truss Hd.	1
62	88-3370	Spacer - Sealing Plate	1
63	3296-59	Nut - Lock	1

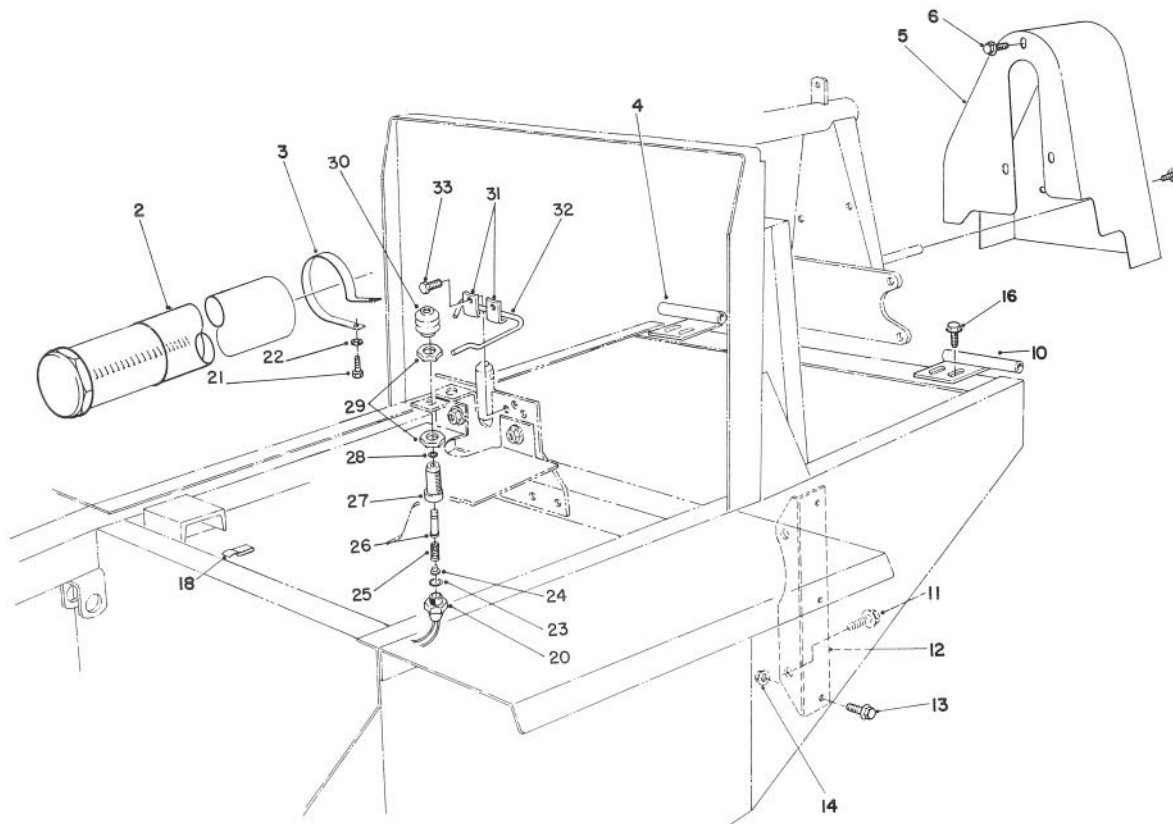
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T-0411

FUEL FILTER ASSEMBLY

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

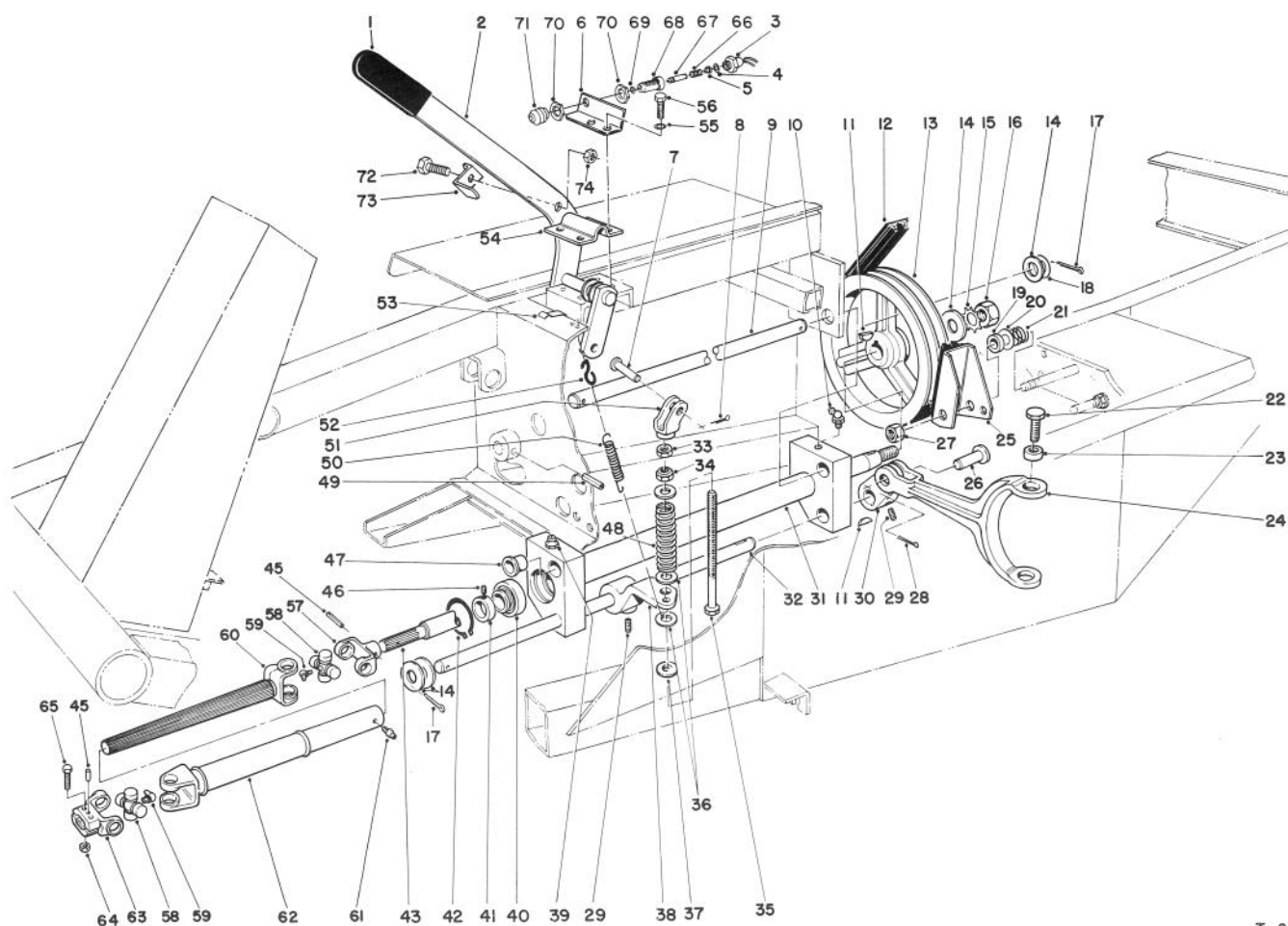


T-1186A

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 - Cap Hex. Hd.	5
9	3256-23	Washer - Flat	1
10	67-8810	Hinge L.H.	1
11	3234-32	Screw - w/Locking Flange	2
12	67-8190	Bracket - Engine Support	2
13	3234-11	Screw w/Locking Flange	6
14	3290-357	Nut - Lock Flange	6
16	3234-17	Screw - Cap Hex. Hd.	4
18	212-93	Wire Clip	2
20	72-4320	Switch - Ball	1

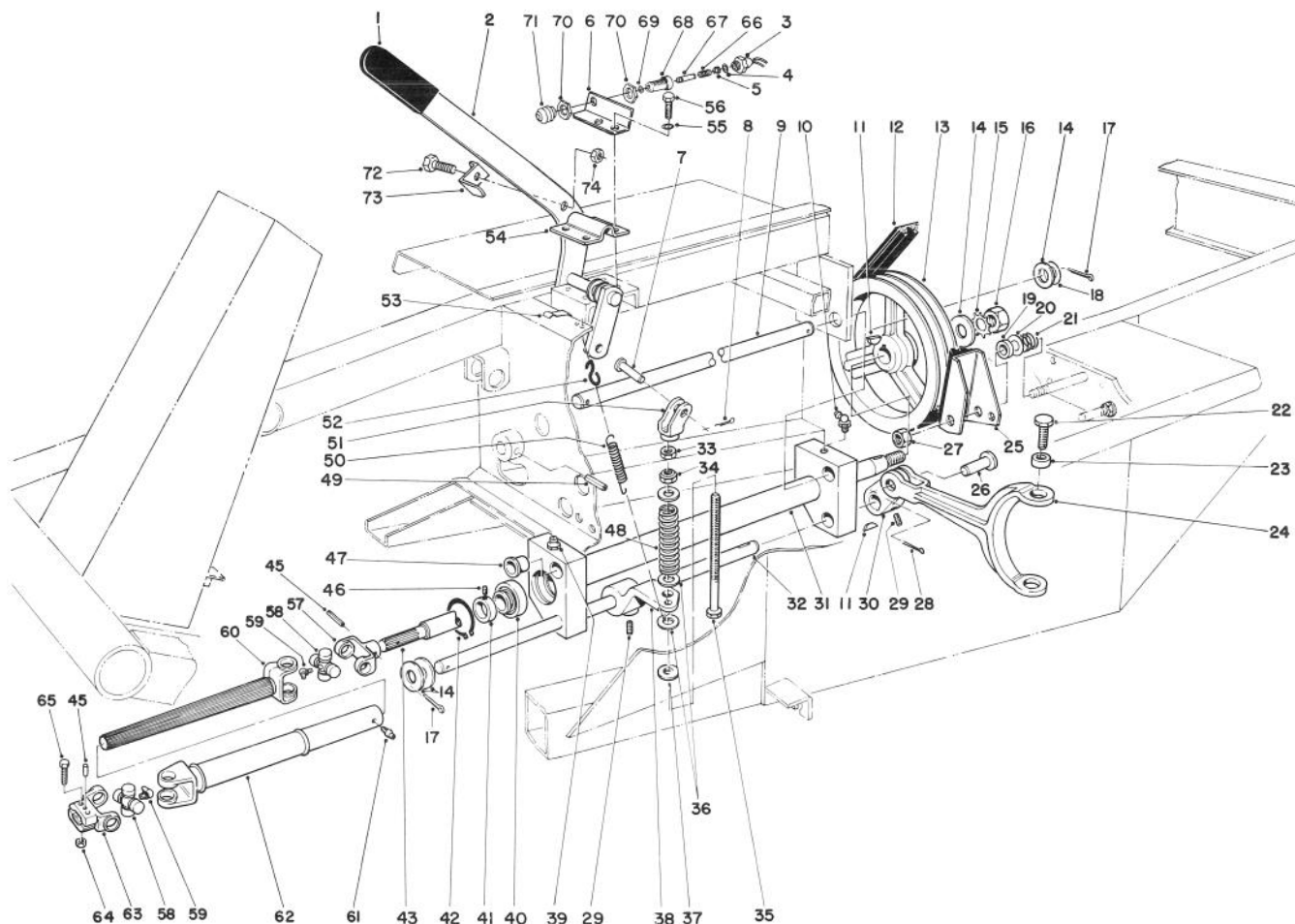
Ref. No.	Part No.	Description	No. Used
21	322-2	Screw - Cap Hex. Hd.	2
22	3256-23	Washer - Flat	2
23	237-30	Seal - O-Ring	1
24	43-8610	Guide - Spring & Ball Seat	1
25	43-8600	Spring - Compression	1
26	43-8860	Plunger - Switch	1
27	43-8620	Guide - Switch Pin	1
28	237-7	Seal - O-Ring	1
29	218-461	Nut - Jam	1
30	43-8870	Boot - Switch	1
31	3-6657	Clip	2
32	86-7040	Rod - Seat Prop	1
33	32144-10	Screw - Hex. Hd. Self Tap	2



T-0413

POWER TAKE OFF 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 - P.T.O.	1	28	3272-11	Cotter Pin	1
3	72-4320	Switch - Ball	1	29	3246-3	Set Screw	4
4	237-30	Seal - O-Ring	1	30	43-5590	Arm - P.T.O.	1
5	43-8610	Guide - Spring & Ball Seat	1	31	43-5500	Pivot P.T.O.	1
6	84-8520	Bracket - P.T.O. Switch	1	32	43-5550	Shaft - Actuator P.T.O.	1
7	283-42	Clevis Pin	1	33	3219-3	Nut	1
8	3272-10	Cotter Pin	1	34	3296-6	Nut - Lock	1
9	43-3860	Shaft - Pivot P.T.O.	1	35	27-7900	Screw - Adjusting	1
10	302-10	Grease Fitting	1	36	3256-41	Washer - Flat	3
11	3257-5	Woodruff Key	3	37	5-0652	Spacer	1
12	53-9660	V-Belt Torque Team	1	38	43-5570	Arm, Actuator - P.T.O.	1
13	21-0230	Pulley P.T.O.	1	39	302-2	Grease Fitting	1
14	3256-28	Washer - Flat	4	40	251-252	Ball Bearing (Incl. Ref. #41)	2
15	3254-7	Washer - Lock	1	41	251-234	Lock Collar (Incl. Ref. #46)	2
16	3219-7	Nut	1	42	32120-22	Ring - Retaining	2
17	3272-22	Cotter Pin	2	43	43-5540	Shaft P.T.O.	1
18	3-6498	Washer	A/R	45	32121-34	Pin - Roll	2
19	3-8812	Spacer	1	46	3245-1	Set Screw	2
20	3256-6	Washer - Flat	1	47	256-113	Bushing - Flange	4
21	5-1747	Spring	1	48	21-0400	Spring - Compression	1
22	30-2120	Screw - Cap Hex. Hd.	2	49	32121-9	Pin - Roll	1
23	43-3800	Bushing - P.T.O. Fork	2	50	21-1830	Spring - Tension	1
24	43-5610	Fork P.T.O.	1	51	43-5630	Yoke - P.T.O.	1
25	27-7370	Brake Assembly P.T.O.	1				
26	283-8	Clevis Pin	1				



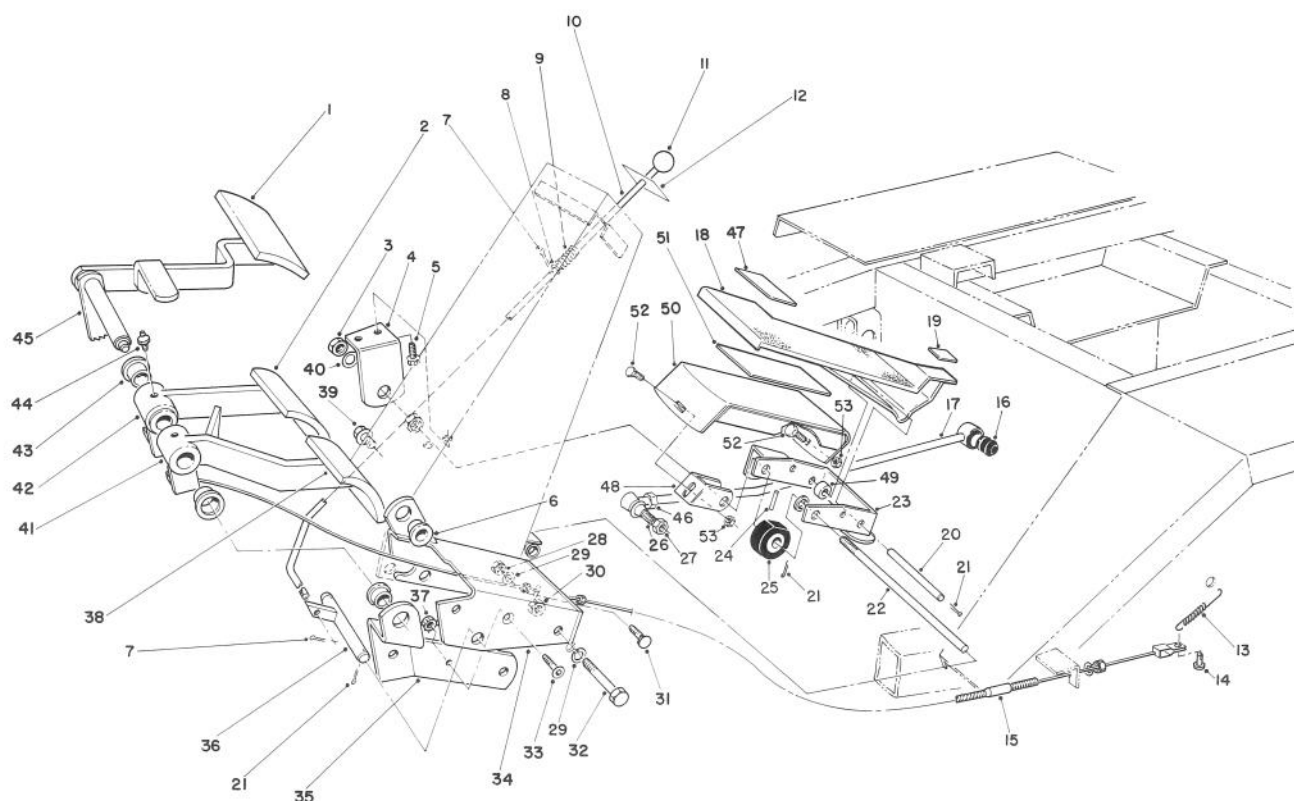
T-0413

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	5-0701	Spring Anchor	1
53	212-93	Wire Clip	1
54	21-1600	Clamp P.T.O. Lever	1
55	3253-21	Washer - Lock	4
56	32104-6	Screw - Hex. Hd. Tapping	4
57	62-3800	Yoke - End	1
58	54-9180	Kit - U-Joint	2
59	62-3820	Fitting - Grease	2
60	62-3290	Shaft - Slip Yoke	1
61	302-58	Fitting - Grease	1
62	62-3790	Tube - Slip Yoke	1
63	54-9040	Yoke - End (Split)	1
64	3296-29	Nut - Lock	2

Ref. No.	Part No.	Description	No. Used
65	322-9	Screw - Cap Hex. Hd.	2
66	43-8600	Spring - Compression	1
67	43-8860	Plunger - Switch	1
68	43-8620	Guide - Switch Pin	1
69	237-7	Seal - O-Ring	1
70	218-461	Nut - Jam	2
71	43-8870	Boot - Switch	1
72	321-4	Screw - Cap Hex. Hd.	1
73	86-7050	Bracket - Switch Actuator	1
74	3296-16	Nut - Lock	1
*	84-4890	Drive Shaft Assembly (Incl. Ref. #57-63)	1

*Not Illustrated

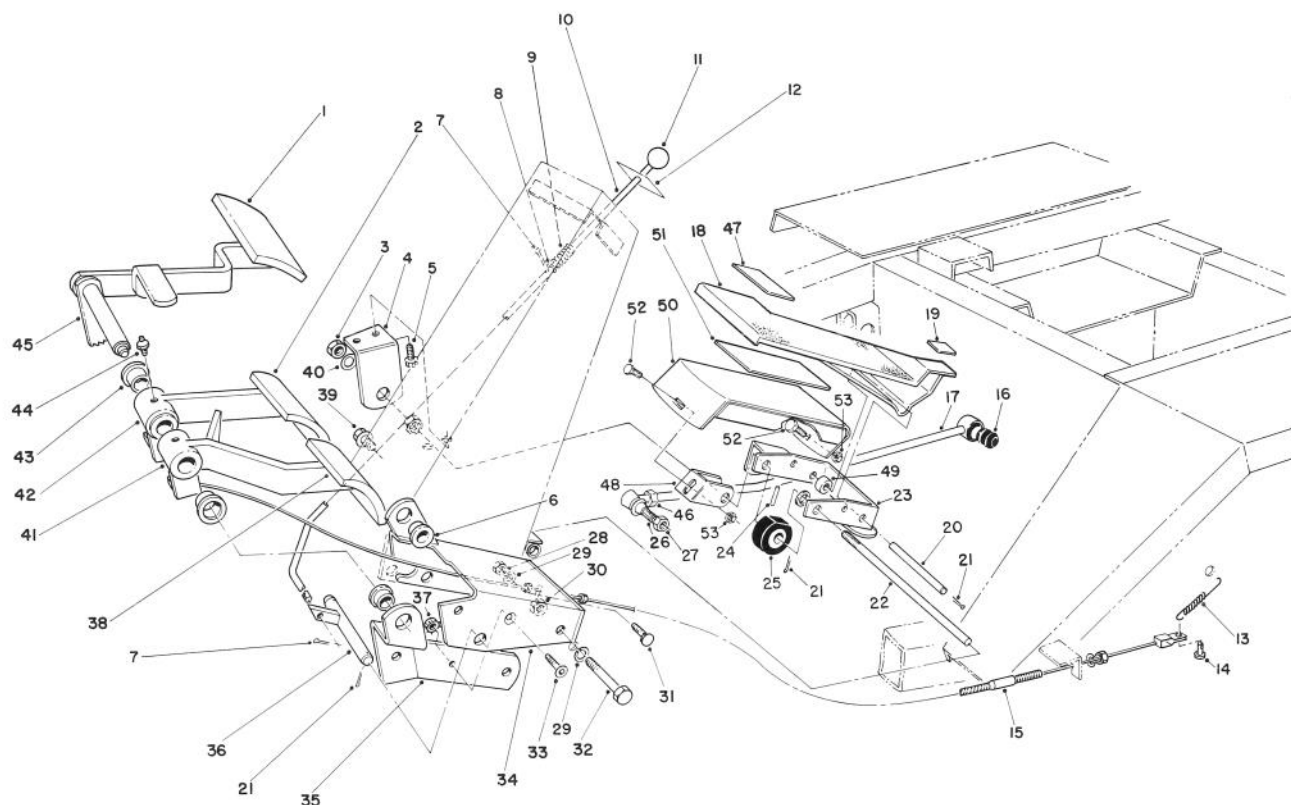


T-0415

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	7-3900	Pad - Brake	1	25	28-5220	Wheel - Friction	1
2	27-7580	Pad - Right Turn	1	26	21-0141	Socket Assembly 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 - Hex. Hd. Tapping	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 - Cap Hex. Hd.	2
9	3-3251	Spring - Compression	1	33	3274-47	Screw - Flat Hd. Socket	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	82-8930	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	38	27-7570	Pad - Left Turn	1
15	21-3380	Cable - L.H. Brake	1	39	3234-11	Screw - Cap Hex. Hd.	3
*	21-3370	Cable - R.H. Brake	1	40	3256-26	Washer - Flat	1
16	23-2270	Bushing - Rubber	1	41	27-7490	Pedal - L.H. Brake (Incl. Ref. #43)	1
17	23-2240	Rod - Pump Control	1	42	27-7510	Pedal - R.H. Brake (Incl. Ref. #43)	1
18	88-0530	Pedal - Traction	1	43	256-10	Bushing	4
19	88-1740	Pad - Pedal Rear	1	44	302-5	Fitting - Grease	2
20	88-1640	Pin - Traction Pedal	1	45	27-8550	Pedal - Parking Brake	1
21	3272-6	Pin - Cotter	6	46	3220-5	Nut - Jam	1
22	88-1650	Shaft - Traction Pedal	1	47	88-1730	Pad - Front Pedal	1
23	88-1670	Bracket - Pivot (Incl. Ref. #6)	1	48	88-1680	Bracket - Footrest	1
24	32121-16	Pin - Roll	1				

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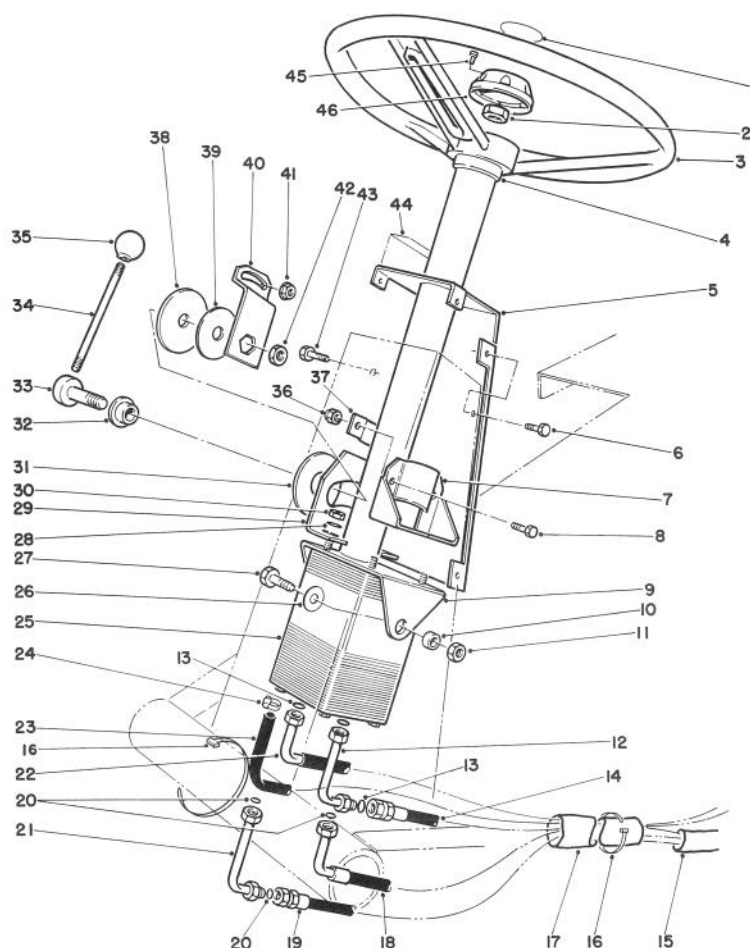
T-0415

BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	88-0470	Tube - Pedal Spacer	1
50	88-1710	Footrest	1
51	88-1720	Pad - Footrest	1

Ref. No.	Part No.	Description	No. Used
52	3230-1	Bolt - Carriage	2
53	32128-25	Nut - Flange Lock	2

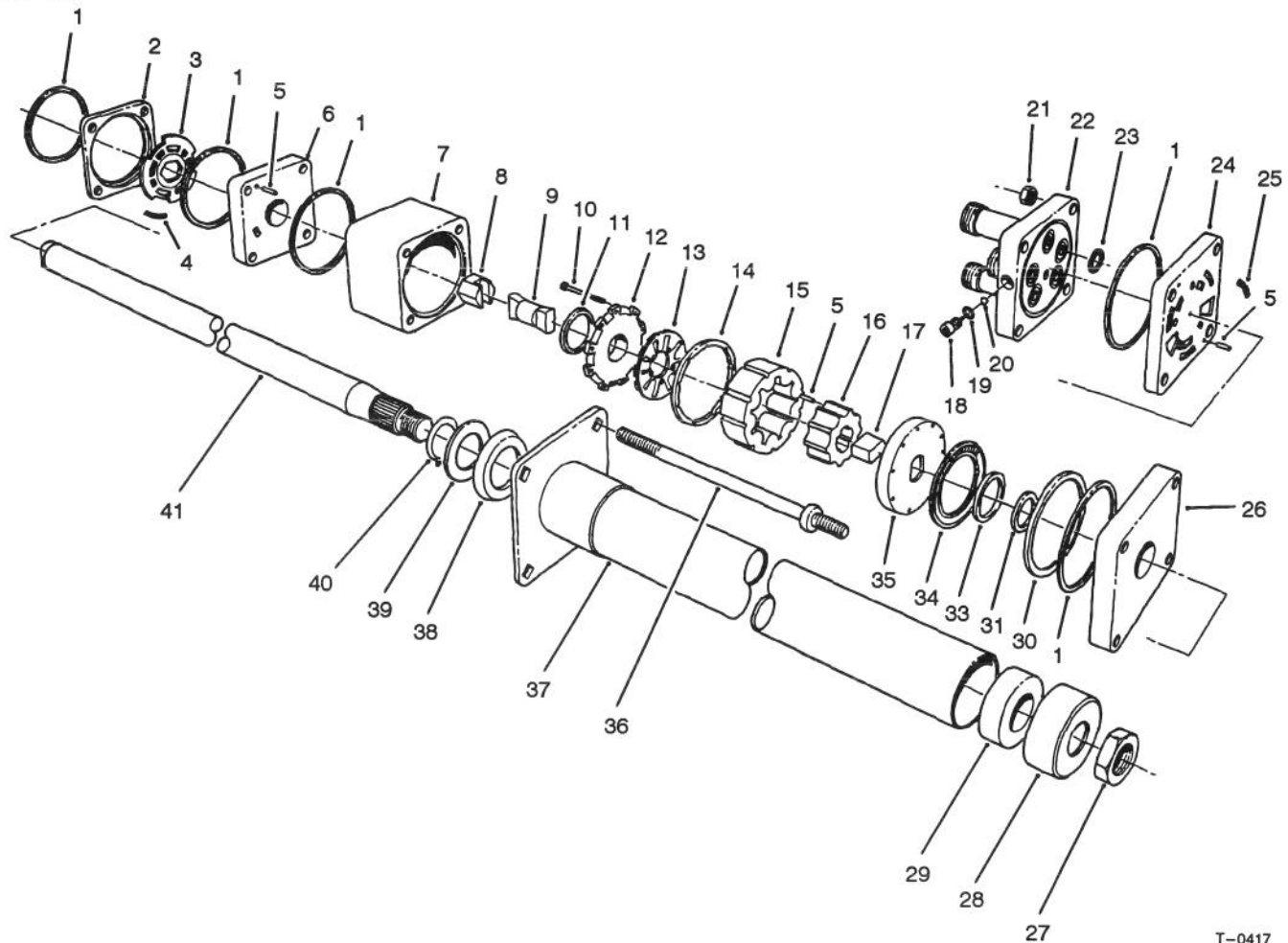
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T-1187A

POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	68-5370	Decal - Toro	1	24	2412-36	Clamp	2
2	66-9760	Nut - Hex.	1	25	63-9250	Valve - Steering Power	1
3	75-0560	Steering Wheel Assembly (Incl. Ref. #45 & 46)	1	26	3256-46	Washer - Flat	2
4	21-9260	Cover - Dust	1	27	323-6	Screw - Cap Hex. Hd.	2
5	82-8660	Cover - Tower	1	28	3256-3	Washer - Flat	4
6	32144-10	Screw - Hex. Thd. Form	6	29	80-2940	Plate - Pivot	1
7	67-8690	Support - Column	1	30	3296-4	Nut - Lock	4
8	3234-17	Screw - Cap Hex. Hd.	2	31	31-0390	Disc - Friction	1
9	77-3120	Bracket - Mount Column	1	32	80-2980	Boss - Pin	1
10	80-2960	Spacer - Tower	2	33	80-2970	Pin - Steering Tilt	1
11	32153-2	Nut - Hex.	2	34	80-2890	Handle - Steering Tilt	1
12	82-8760	Elbow	1	35	233-21	Knob - Handle	1
13	237-30	Seal - 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	Seal - O-Ring	3	43	322-4	Screw - Cap Hex. Hd.	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	1
23	63-8990	Hose	1	46	68-5140	Cap - Wheel Steering	1



T-0417

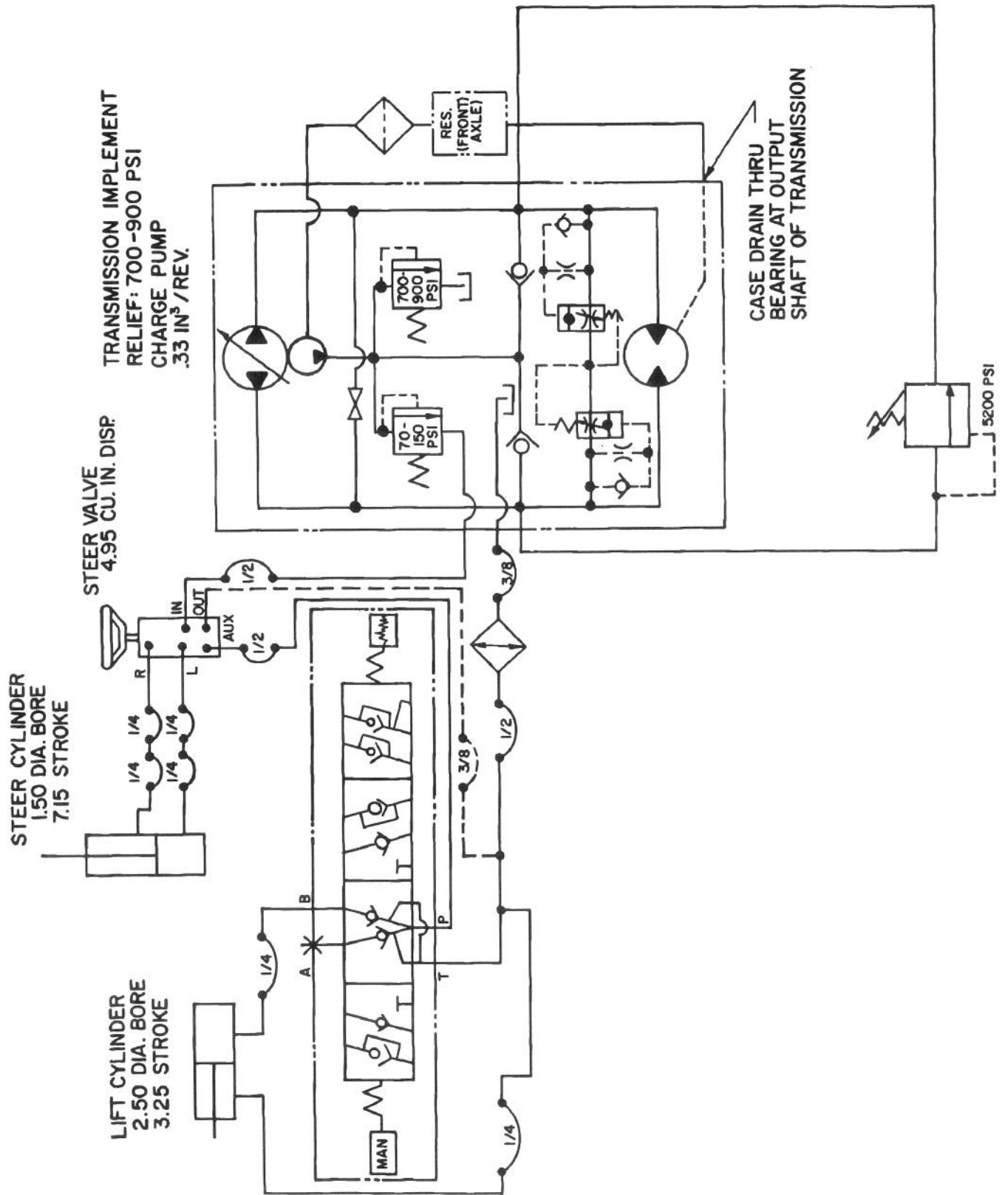
POWER STEERING VALVE ASSEMBLY NO. 63-9250

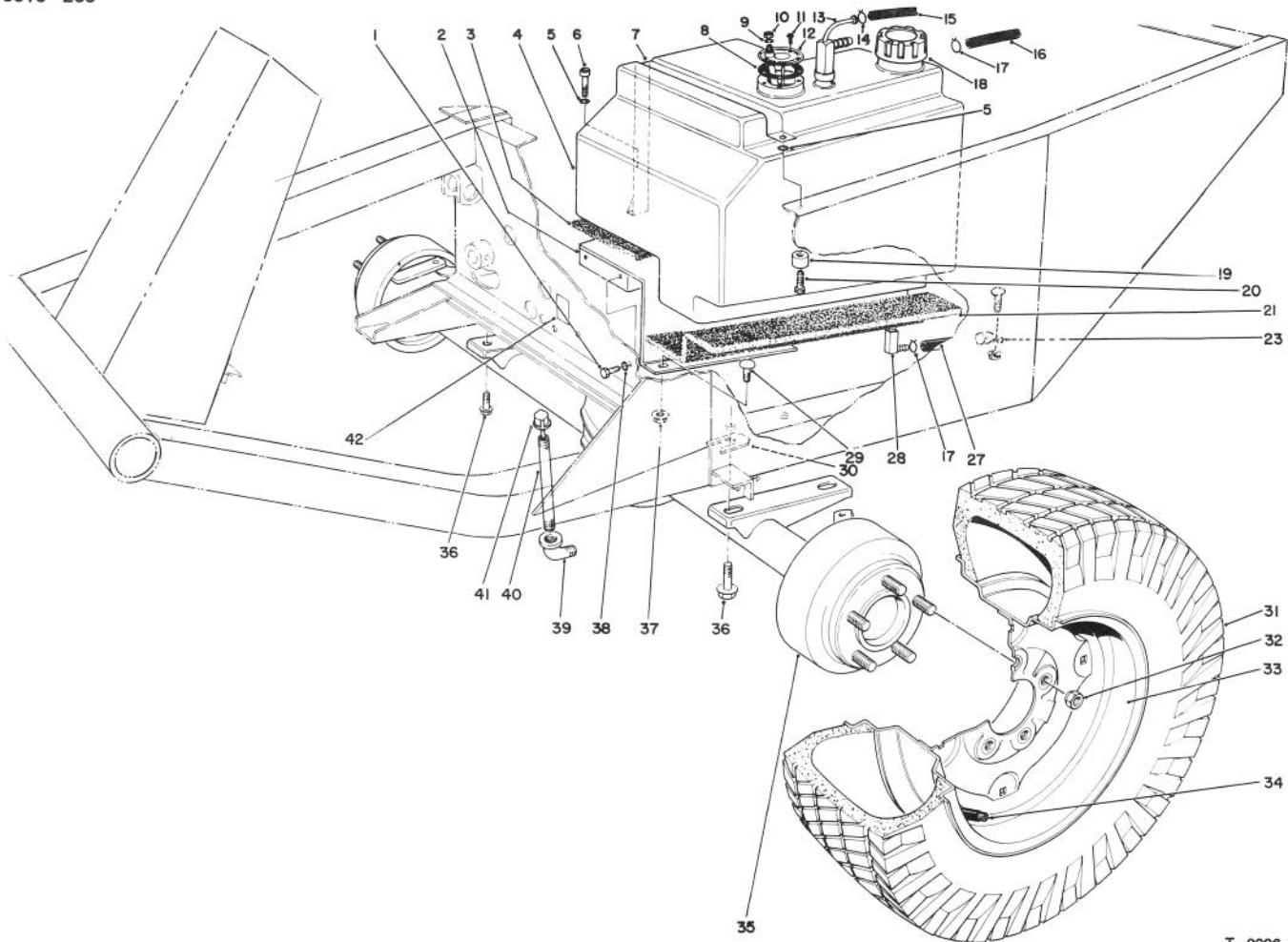
Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	1
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Hex Drive Assy.	1
9		Link - Drive	1
10		Screw - Hex. Hd. Socket	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator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

Ref. No.	Part No.	Description	No. Used
25		Spring	3
26		Plate - Upper Cover	1
27	3220-6	Nut	1
28	66-9770	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	66-9850	Bolt - Special	4
37	66-9860	Upper Cover & Jacket	1
38	66-9870	Plate - Retaining	1
39	66-9880	Washer - Retaining Plate	1
40	66-9890	Ring - Retaining	1
41	66-9900	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

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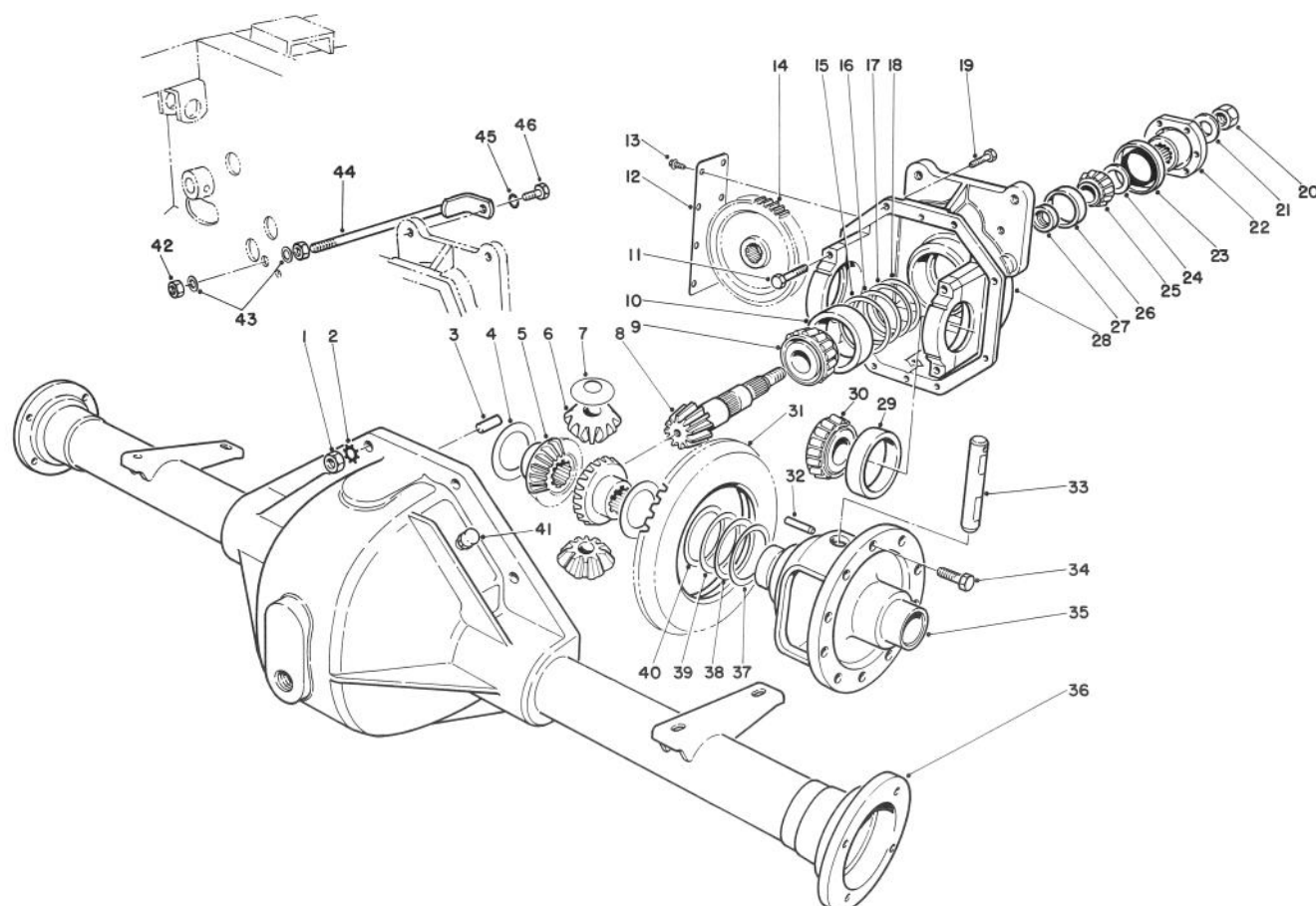
T-0926

FRONT AXLE & FUEL TANK ASSEMBLY

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

*Not Illustrated

Ref. No.	Part No.	Description	No. Used
27	63-9640	Hose - Fuel	1
28	43-4190	Fitting Assembly	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	86-9630	Front Axle Assembly	1
36	32144-67	Screw - Cap Thd. Forming	4
37	32128-20	Nut - Flange	3
38	3253-21	Washer - Lock	2
39	2811-9	Street Elbow	1
40	289-37	Nipple - Pipe	1
41	23-5180	Dipstick	1
42	53-4430	Decal - Oil	1
*	231-90	Tube - Inner	2

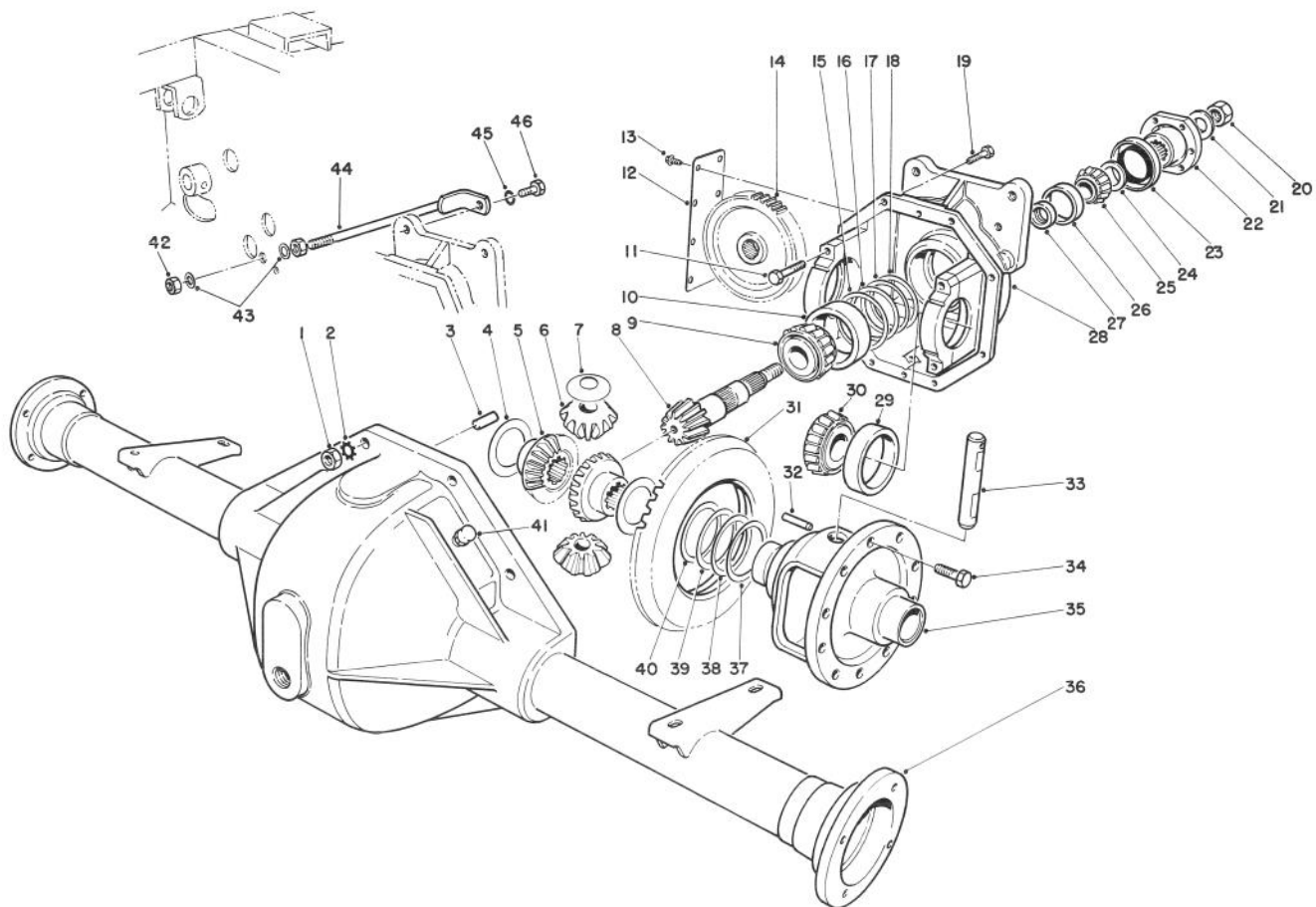


T-0905

FRONT AXLE ASSEMBLY NO. 86-9630

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8	*24	72-3573	Shim .100 - Diff. Adjust.	A/R
2	3255-8	Washer - Lock	8	*	72-3574	Shim .102 - Diff. Adjust.	A/R
3	21-8270	Pin - Dowel	2	*	72-3575	Shim .104 - Diff. Adjust.	A/R
4	21-7720	Washer - Thrust	2	*	72-3576	Shim .106 - Diff. Adjust.	A/R
5	24-8790	Gear - Bevel, Diff. Side	2	*	72-3577	Shim .108 - Diff. Adjust.	A/R
6	21-7690	Gear - Pinion	2	*	72-3578	Shim .110 - Diff. Adjust.	A/R
7	21-7730	Washer - Thrust	2	*	72-3580	Shim .112 - Diff. Adjust.	A/R
8		Pinion - Drive	1	*	72-3581	Shim .114 - Diff. Adjust.	A/R
9	43-6760	Cone - Bearing, Tapered	1	*	72-3582	Shim .116 - Diff. Adjust.	A/R
10	43-6750	Cup - Bearing, Tapered	1	*	72-3583	Shim .118 - Diff. Adjust.	A/R
11	92-1773	Screw - Cap Hex. Hd.	4	*	72-3584	Shim .120 - Diff. Adjust.	A/R
12	21-7830	Cover - Gear	1	*	72-3585	Shim .125 - Diff. Adjust.	A/R
13	12-5450	Screw - Thread Forming	8	*	72-3586	Shim .127 - Diff. Adjust.	A/R
14	86-7230	Gear - Spur	1	*	72-3587	Shim .129 - Diff. Adjust.	A/R
15	43-6710	Shim .003 - Diff. Adjust.	A/R	*	72-3588	Shim .131 - Diff. Adjust.	A/R
16	43-6711	Shim .005 - Diff. Adjust.	A/R	*	72-3590	Shim .133 - Diff. Adjust.	A/R
17	43-6712	Shim .010 - Diff. Adjust.	A/R	*	72-3591	Shim .135 - Diff. Adjust.	A/R
18	43-6713	Shim .030 - Diff. Adjust.	A/R	*	72-3592	Shim .137 - Diff. Adjust.	A/R
19	3210-7	Screw - Cap Hex. Hd.	8	*	72-3593	Shim .139 - Diff. Adjust.	A/R
20	71-4350	Nut	1	*	72-3594	Shim .141 - Diff. Adjust.	A/R
21	71-4340	Washer	1	*	72-3595	Shim .143 - Diff. Adjust.	A/R
22	68-7010	Flange	1	*	72-3596	Shim .145 - Diff. Adjust.	A/R
23	71-4330	Seal	1	*	72-3597	Shim .147 - Diff. Adjust.	A/R
24	72-3570	Shim .094 - Diff. Adjust.	A/R	*	72-3598	Shim .149 - Diff. Adjust.	A/R
*	72-3571	Shim .096 - Diff. Adjust.	A/R	*	72-3600	Shim .151 - Diff. Adjust.	A/R
*	72-3572	Shim .098 - Diff. Adjust.	A/R	25	254-91	Cone - Bearing	1

*Not Illustrated



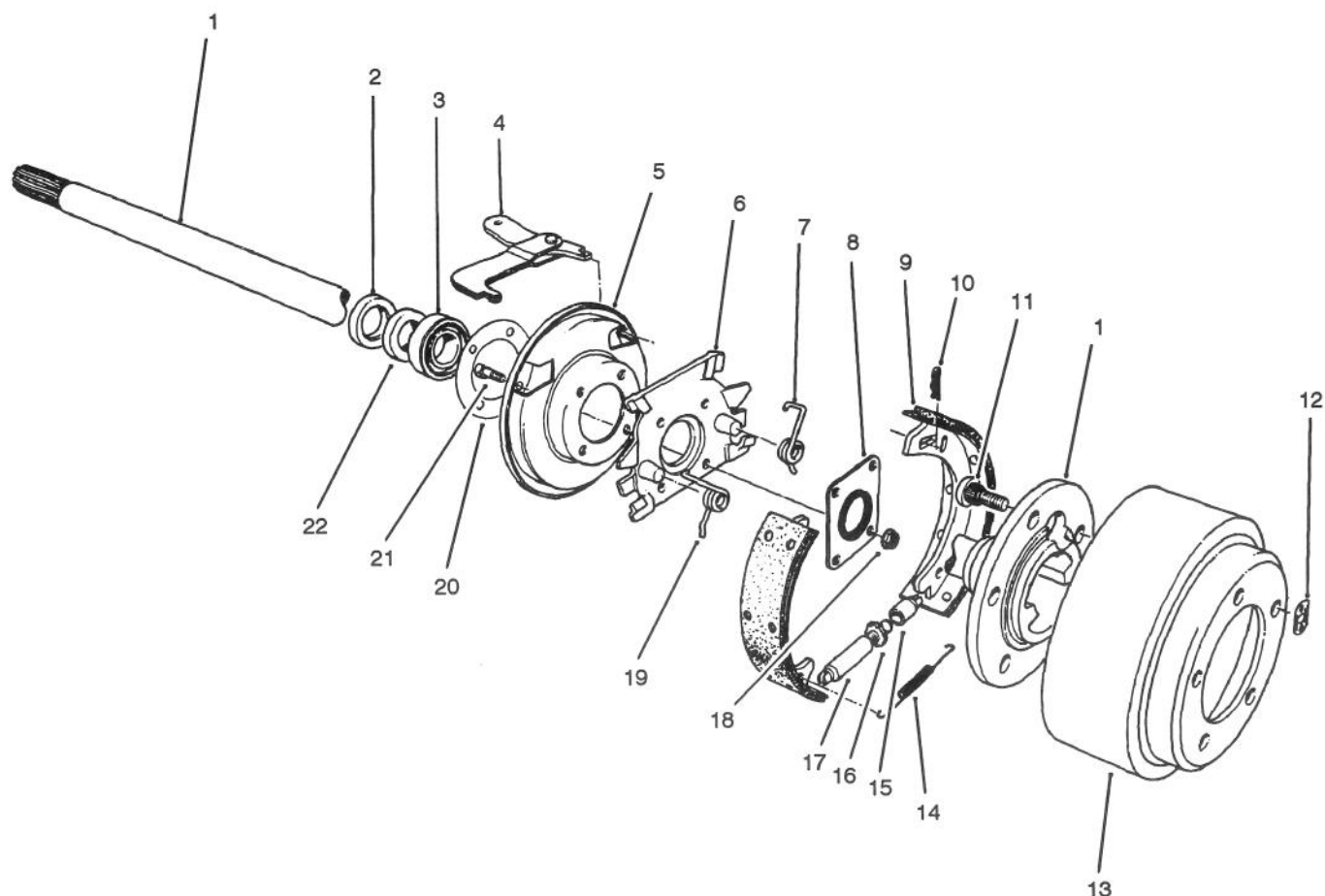
T-0905

FRONT AXLE ASSEMBLY NO. 86-9630 (Continued)

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

Ref. No.	Part No.	Description	No. Used
37	21-8120	Shim .030 - Diff. Adjust.	A/R
38	21-8110	Shim .010 - Diff. Adjust.	A/R
39	21-8100	Shim .005 - Diff. Adjust.	A/R
40	21-8090	Shim .003 - Diff. Adjust.	A/R
41	72-9420	Vent Assembly	1
42	3217-9	Nut - Hex.	2
43	3256-6	Washer - Flat	2
44	24-9830	Support - Axle	1
45	3253-21	Washer - Lock	1
46	323-6	Screw - Cap Hex. Hd.	1
*	92-1676	Gear & Pinion Assembly (Incl. Ref. #8 & 31)	1

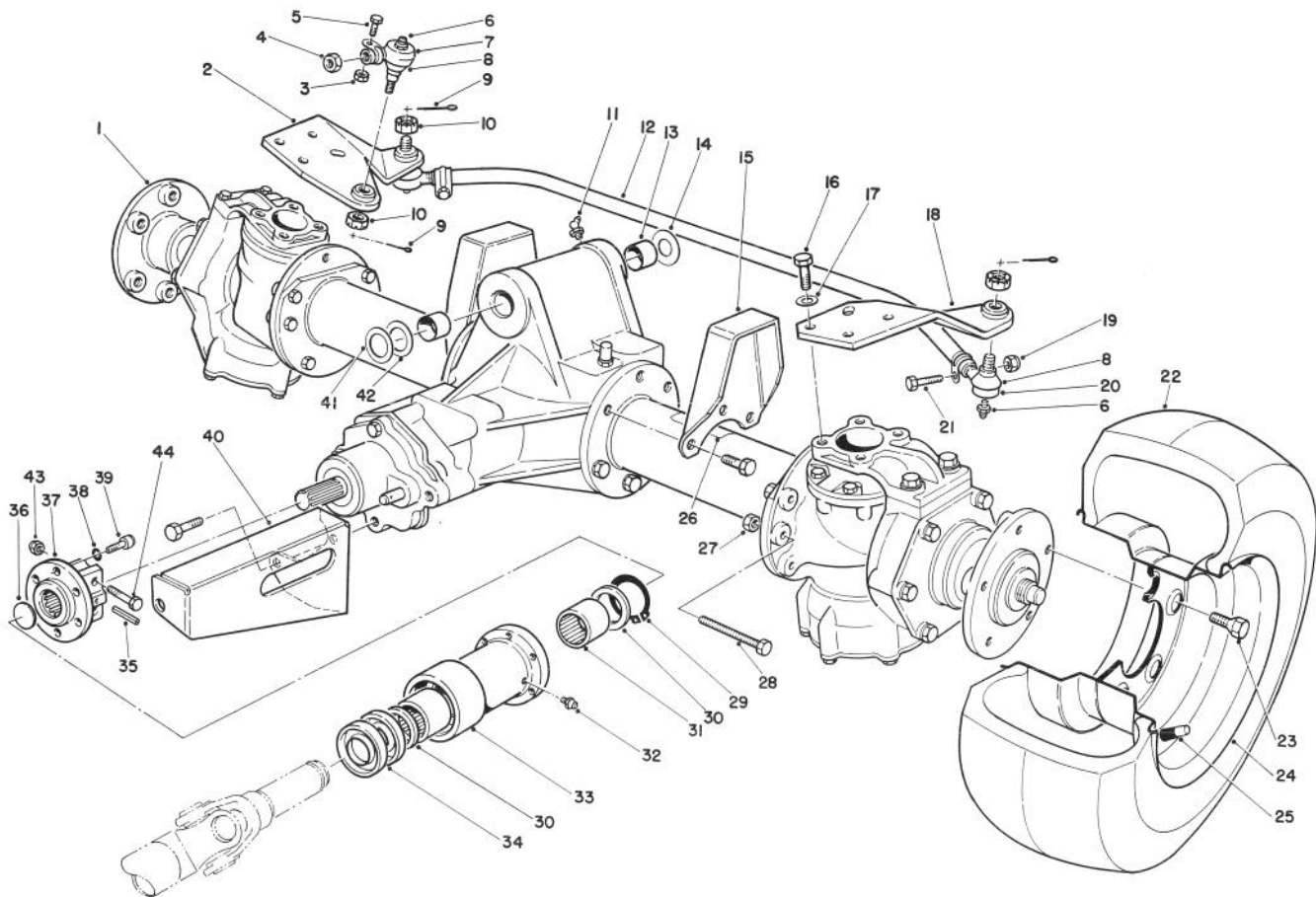
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T-0421

BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	28-0650	Shaft - Flanged, Axle	2	12	21-8360	Clip - Retaining	2
2	92-1774	Seal - Oil	2	13	28-0680	Brake Drum	2
3	21-8180	Bearing	2	14	21-9440	Spring - Adjusting Screw	2
4	24-9180	Strut & Lever Parking Brake	2	15	21-9390	Socket - Adjusting Screw	2
5	21-9450	Dust Shield	2	16	21-9370	Screw - Adjusting	2
6	43-6810	Torque - Spider	2	17	21-9380	Nut - Pivot	2
7	21-9430	Spring - Shoe Return R.H.	2	18	43-6800	Nut - Lock	8
8	28-0670	Seal - Oil	2	19	21-9420	Spring - Shoe Return L.H.	2
9	84-8600	Shoe & Lining Assembly (Set of 4)	1	20	21-8320	Gasket - Wheel Bearing	2
10	21-9460	Retainer - Brake Lever	4	21	24-8840	Ring - Wheel Bearing	2
11	242-34	Stud - Flanged, Axle	10	22	28-0660	Screw - Cap Hex. Hd.	8



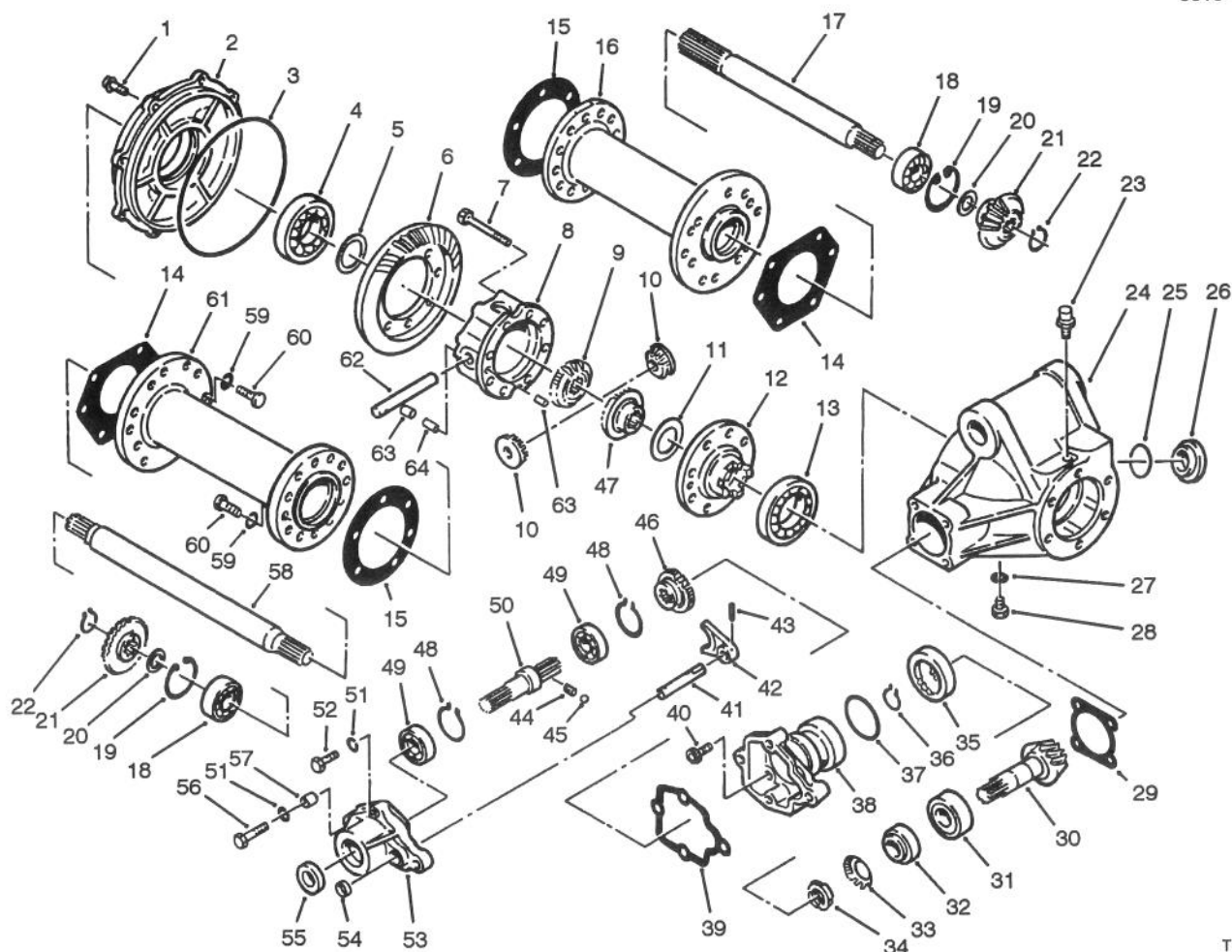
T-0903

STEERABLE AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68-6820	Axle - Drive, Steerable	1
2	68-6910	Arm - R.H., Steering	1
3	3296-43	Nut - Lock	1
4	3220-5	Nut - Jam	1
5	3210-7	Screw - Cap Hex. Hd.	1
6	302-55	Fitting - Grease	3
7	68-6870	Rod End (Incl. Ref.#3, 5, 6, 8 & 10)	1
8	71-4760	Seal - Rod	3
9	3272-11	Pin - Cotter	3
10	32136-13	Nut - Slotted	3
11	302-11	Fitting - Grease	1
12	71-4750	Tube & Clamp Assembly	1
*	71-4530	Tie Rod Assembly (Incl. Ref.#6, 8, 10, 12, & 19-21)	1
13	67-1750	Bushing	2
14	71-4540	Washer - Thrust	1
15	68-6990	Stop - Oscillation	2
16	48-7780	Screw - Cap Hex. Hd.	8
17	48-9220	Washer - Flat	8
18	68-6930	Arm - L.H., Steering	1
19	3296-39	Nut - Lock	2
20	71-4740	Rod End (Incl. Ref. #6, 8 & 10)	2

Ref. No.	Part No.	Description	No. Used
21	323-9	Screw - Cap Hex. Hd.	2
22	231-122	Tire	2
23	71-4450	Bolt - Wheel	10
24	217-106	Wheel	2
25	232-31	Stem - Valve	2
26	70-2560	Decal - Lube	1
27	48-7960	Nut	2
28	71-4690	Screw - Cap Hex. Hd.	2
29	32151-87	Ring - Retaining	1
30	71-4590	Washer - Thrust	2
31	71-4580	Clutch - Roller	2
32	302-5	Fitting - Grease	1
33	71-4570	Housing - Clutch,	1
34	253-155	Seal	2
35	32121-34	Pin - Roll	1
36	284-3	Plug - Welch	1
37	76-4690	Coupling - Axle	1
38	3253-3	Washer - Lock	6
39	3274-8	Screw - Cap Hex. Hd.	6
40	68-6880	Bracket - Clutch, Cable	1
41	56-2460	Washer - Flat	A/R
42	5-1226	Washer	A/R
43	3296-29	Nut - Lock	2
44	322-8	Screw - Cap Hex. Hd.	2

*Not Illustrated

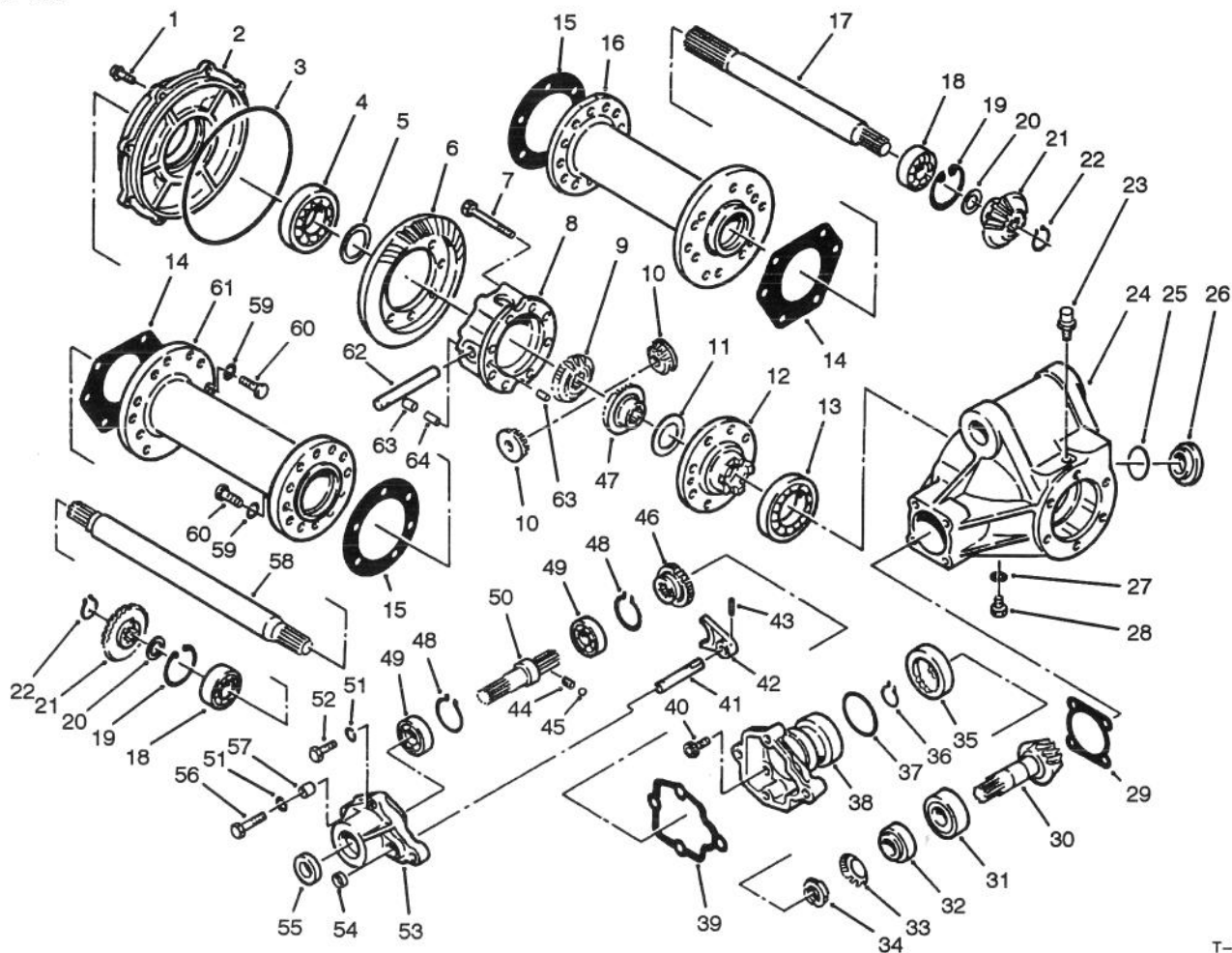


T-0911

REAR AXLE ASSEMBLY NO. 68-6820

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-5800	Bolt	8	20	72-5100	Spacer	2
2	72-4880	Cover	1	21	72-5090	Bear - Bevel	2
3	72-4890	O-Ring	1	22	72-5370	Ring - Retaining	2
4	251-344	Bearing - Ball	1	23	72-5130	Vent	1
5	72-4960	Shim .1 mm	1	24	72-4870	Case - Differential	1
*	72-4970	Shim .15 mm	1	25	72-5140	O-Ring	1
*	72-4980	Shim .5 mm	1	26	72-5150	Plug	1
*	72-4990	Shim .8 mm	1	27	72-5840	Gasket	1
*	72-5000	Shim 1.0 mm	1	28	72-5820	Plug	1
*	72-5010	Shim 1.2 mm	1	29	72-5160	Shim .1mm	1
6		Gear - Bevel	1	*	72-5170	Shim .15 mm	1
7	72-5810	Bolt	8	*	72-5180	Shim .5 mm	1
8	72-4900	Case - Differential	1	*	72-5190	Shim .8 mm	1
9	72-4930	Gear - Side, Differential	1	*	72-5200	Shim 1.0 mm	1
10	72-4950	Gear - Pinion, Differential	2	*	72-5210	Shim 1.2 mm	1
11	72-5040	Washer - Gear, Diff.	1	30		Gear - Pinion	1
12	72-4910	Flange - Case, Diff.	1	31	254-108	Bearing - Roller, Tapered	1
13	251-345	Bearing - Ball	1	32	254-109	Bearing - Roller, Tapered	1
14	72-5080	Gasket	2	33	72-5250	Washer	1
15	72-5070	Gasket	2	34	72-5260	Nut	1
16	72-5050	Tube - Axle, R.H.	1	35	72-5280	Clutch - Outer	1
17	72-5060	Axle - R.H.	1	36	72-5380	Ring - Retaining	1
18	251-350	Bearing - Ball	2	37	72-5460	O-Ring	1
19	72-5360	Ring - Retaining	2	38	72-5270	Case	1

*Not Illustrated



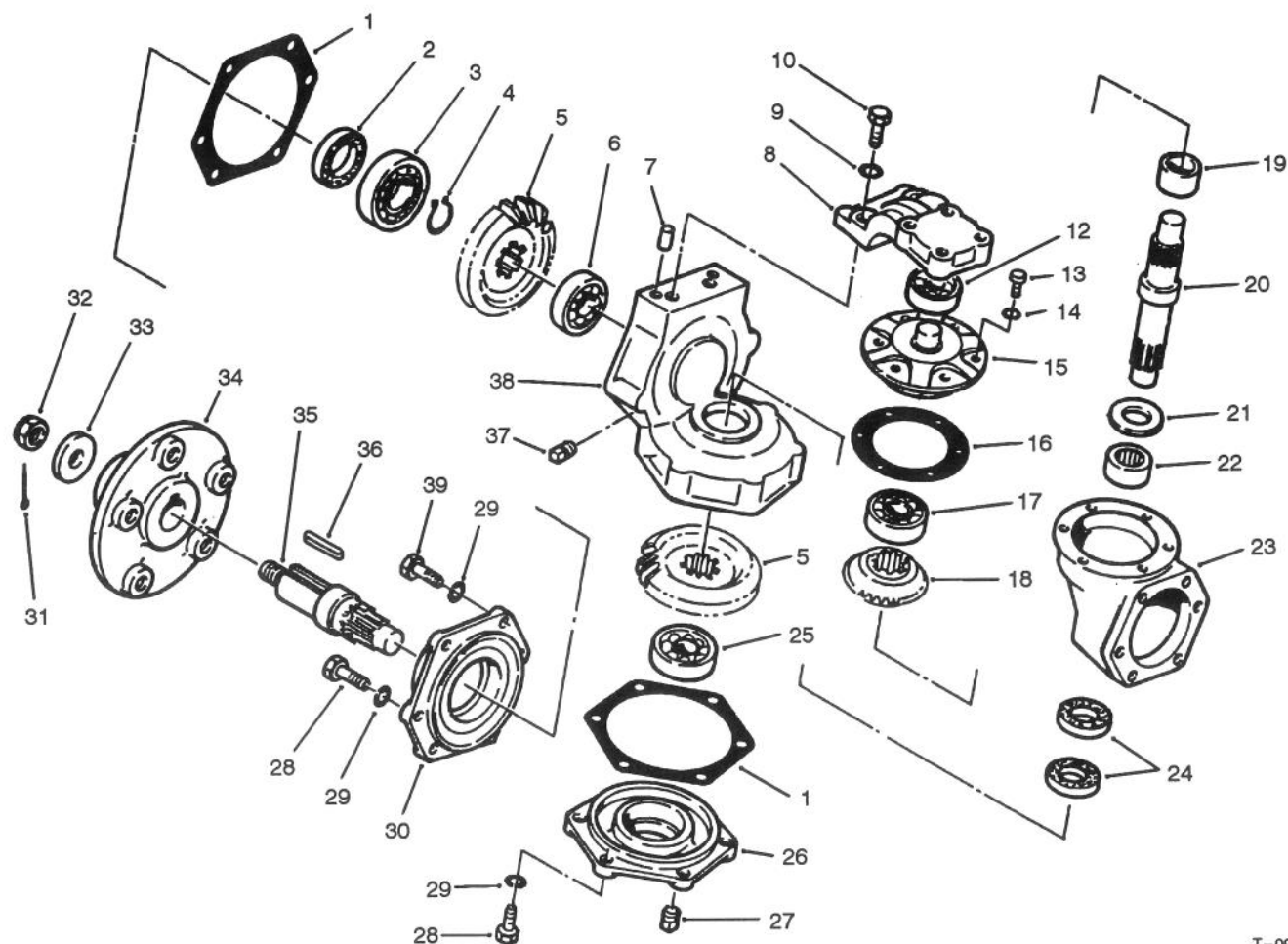
T-0911

REAR AXLE ASSEMBLY NO. 68-6820 (Continued)

Ref. No.	Part No.	Description	No. Used
39	72-5290	Gasket	1
40	72-5830	Bolt - Socket Hd.	4
41	72-5330	Rod - Clutch	1
42	72-5320	Fork - Clutch	1
43	72-5450	Pin - Spring	1
44	72-5350	Spring	1
45	72-5470	Ball - Steel	1
46	72-5310	Clutch - Inner	1
47	72-4940	Gear - Side, Differential	1
48	72-5390	Ring - Retaining	2
49	251-346	Bearing - Ball	2
50	72-5340	Shaft - Input	1
51	42-9850	Washer - Lock M8	4
52	48-7730	Bolt - M8 x 30	2

Ref. No.	Part No.	Description	No. Used
53	72-5300	Cover - Clutch	1
54	72-5500	Seal - Oil	1
55	72-5490	Seal - Oil	1
56	63-4360	Bolt - M8 x 40	2
57	72-5480	Dowel	2
58	72-5120	Axle - L.H.	1
59	42-9600	Washer - Lock M10	24
60	48-9470	Bolt - M10 x 30	24
61	72-5110	Tube - Axle, L.H.	1
62	72-5020	Shaft - Pinion	1
63	72-5030	Pin - Dowel	2
64	72-5440	Pin - Spring	1
*	77-2970	Ring & Pinion Assembly (Incl. Ref.#6 & 30)	1

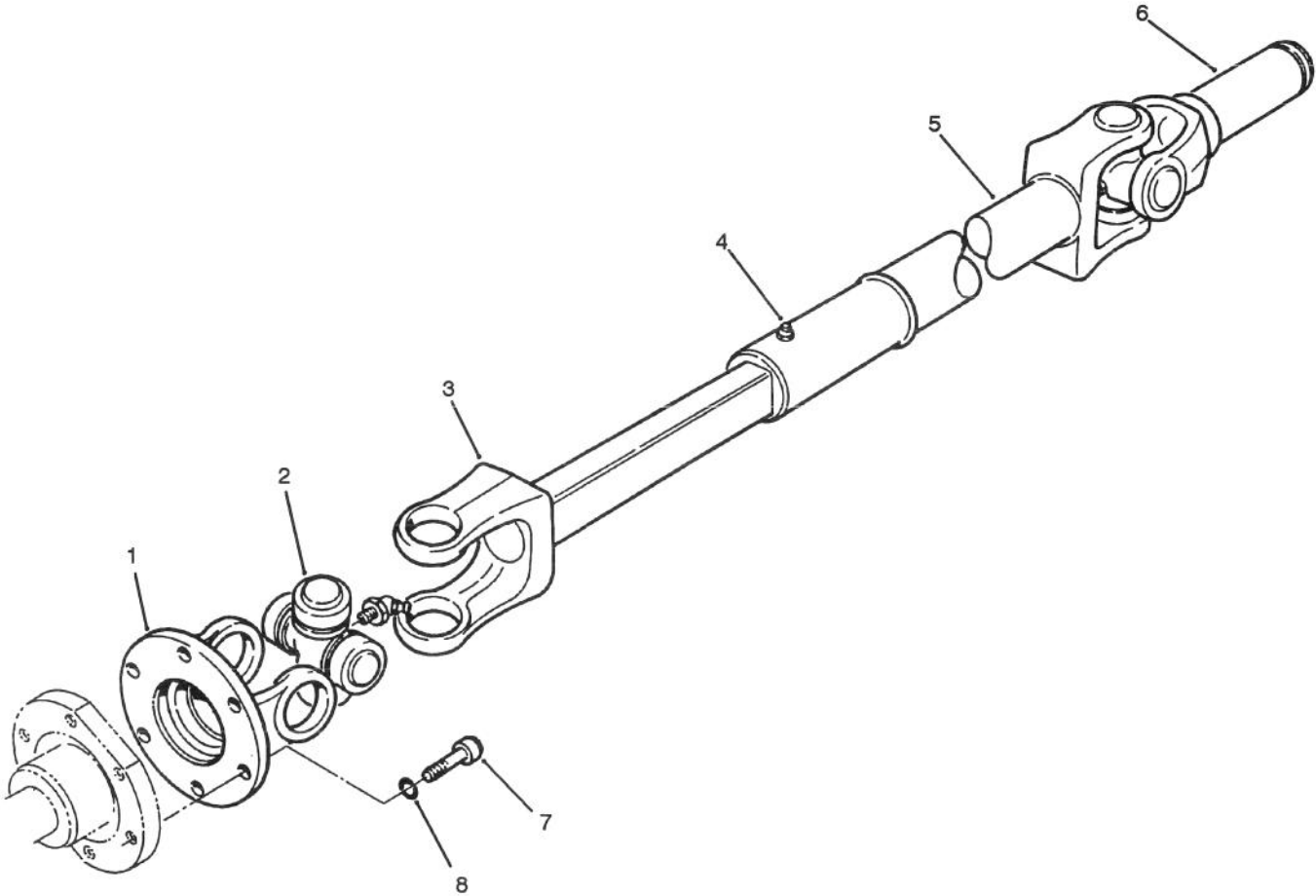
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T-0912

STEERING KNUCKLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72-5620	Gasket	4	21	72-5600	Washer - Thrust	2
2	72-5740	Seal - Oil	2	22	72-5640	Bearing - Needle	2
3	251-348	Bearing - Ball	2	23	72-5510	Gear Box - Axle	2
4	72-5720	Ring - Retaining	2	24	72-5730	Seal - Oil	4
5	72-5580	Gear - Bevel	4	25	251-263	Bearing - Ball	2
6	251-8	Bearing - Ball	2	26	72-5550	Cover	2
7	72-5670	Pin - Dowel	4	27	281-10	Plug - Socket, Hex.	2
8	77-2980	Arm - Knuckle	2	28	48-9460	Screw - Cap M8 x 25	20
9	42-9600	Washer - Lock	28	29	42-9850	Washer - Lock M8	28
10	48-9470	Screw - Cap M10 x 30	4	30	72-5540	Case - Knuckle	2
12	251-347	Bearing - Ball	2	31	3272-17	Pin - Cotter	2
13	72-5790	Screw - Cap M6 x 18	12	32	72-5770	Nut - Castell	2
14	43-5930	Washer - Lock	12	33	72-5660	Washer - Shaft, Wheel	2
15	72-5590	Retainer - Bearing	2	34	72-5650	Hub - Wheel	2
16	72-5630	Gasket	2	35	72-5570	Shaft - Axle, Outer	2
17	251-349	Bearing - Ball	2	36	72-5780	Key	2
18	72-5090	Gear - Bevel	2	37	281-7	Plug - Pipe, Square Hd.	2
19	72-5680	Spacer	2	38	72-5520	Case - Knuckle	2
20	72-5560	Pin - King, Knuckle	2	39	48-7710	Screw - Cap M8 x 20	4



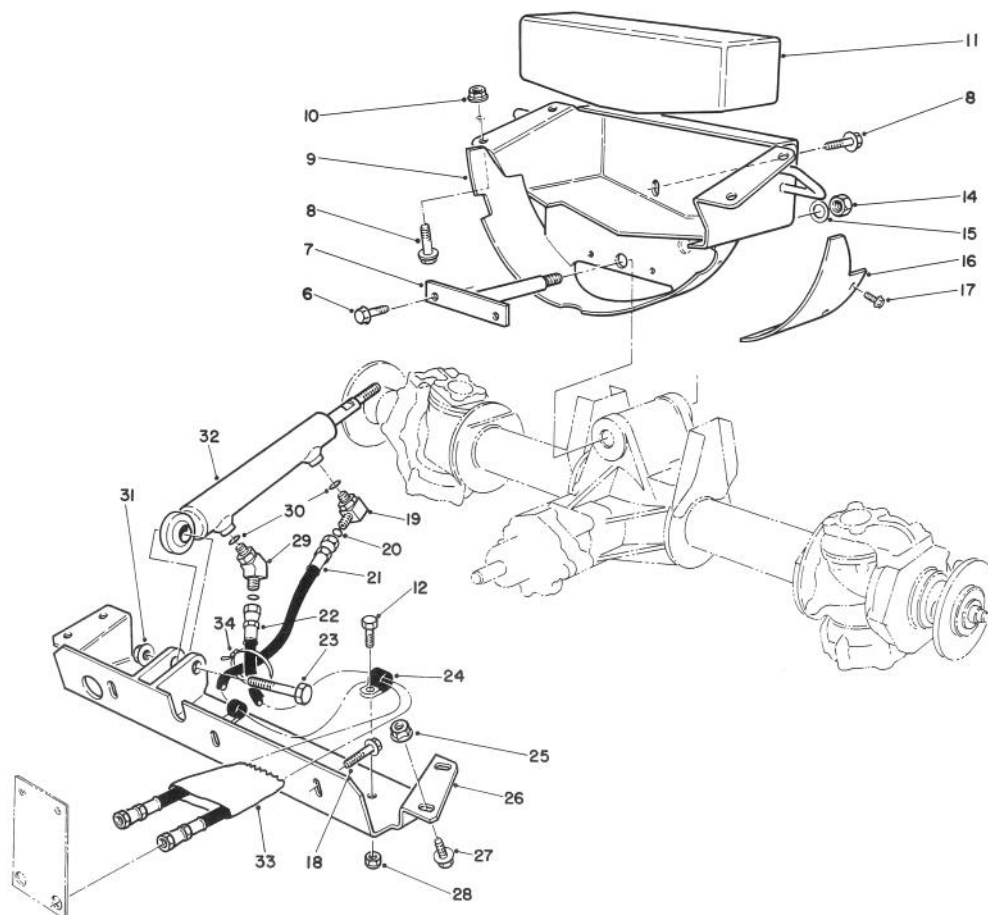
T-0906

DRIVE SHAFT ASSEMBLY NO. 71-4550

Ref. No.	Part No.	Description	No. Used
1	72-3410	Yoke - Flange	1
2	54-9180	Kit - Universal Joint	2
3	72-3420	Shaft - Yoke, Slip	1
4	302-58	Fitting - Grease	1
5	72-3430	Tube - Yoke, Slip	1

Ref. No.	Part No.	Description	No. Used
6	72-3440	Yoke - Shaft	1
7	3274-8	Screw - Cap Soc. Hd.	6
8	3253-3	Washer - Lock	6
*	71-4550	Driveshaft (Complete)	1

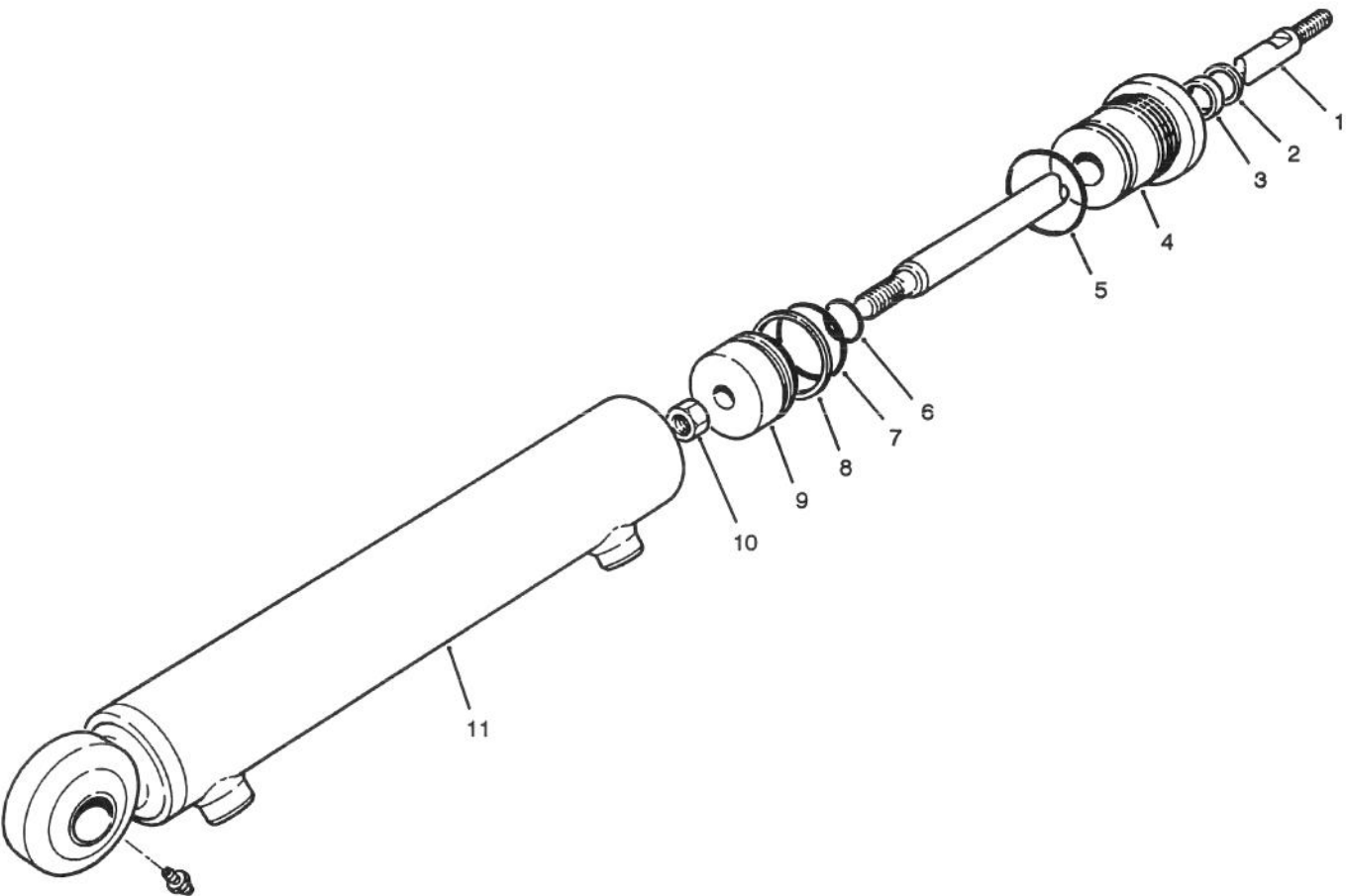
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T-0908

AXLE SUPPORT & STEERING CROSS MEMBER

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
6	3234-14	Screw - Flange Hex. Hd.	2	21	71-4430	Hose Assy. - Steering	1
7	67-8170	Pin W.A. - Axle Rear	1	22	68-9710	Hose Assy. - Steering	1
8	3234-32	Screw - Flange Hex. Hd.	6	23	328-25	Screw - Cap Hex. Hd.	1
9	67-8130	Support W.A. - Axle	1	24	2412-39	Clamp	2
10	32128-23	Nut - Lock Flange	4	25	32128-21	Nut - Flange	4
11	67-8960	Weight - Rear	1	26	68-6950	Cross Member W.A.	1
12	322-5	Screw - Cap Hex. Hd.	2	27	3234-25	Screw - Flange Hex. Hd.	4
14	32146-20	Nut	1	28	3296-20	Nut - Lock	2
15	71-4540	Washer - Thrust	2	29	340-54	Fitting	1
16	71-4850	Cover - Guard Flywheel	1	30	237-78	O-Ring	2
17	32144-10	Screw - Thread Forming	2	31	32128-45	Nut - Flange	1
18	3234-24	Screw - Flange Hex. Hd.	3	32	68-6860	Cylinder - Hyd. Steering	1
19	340-97	Elbow - Fitting	1	33	70-1390	Sleeve - Protective	1
20	237-22	O-Ring	2	34	3290-379	Tie - Cable	1



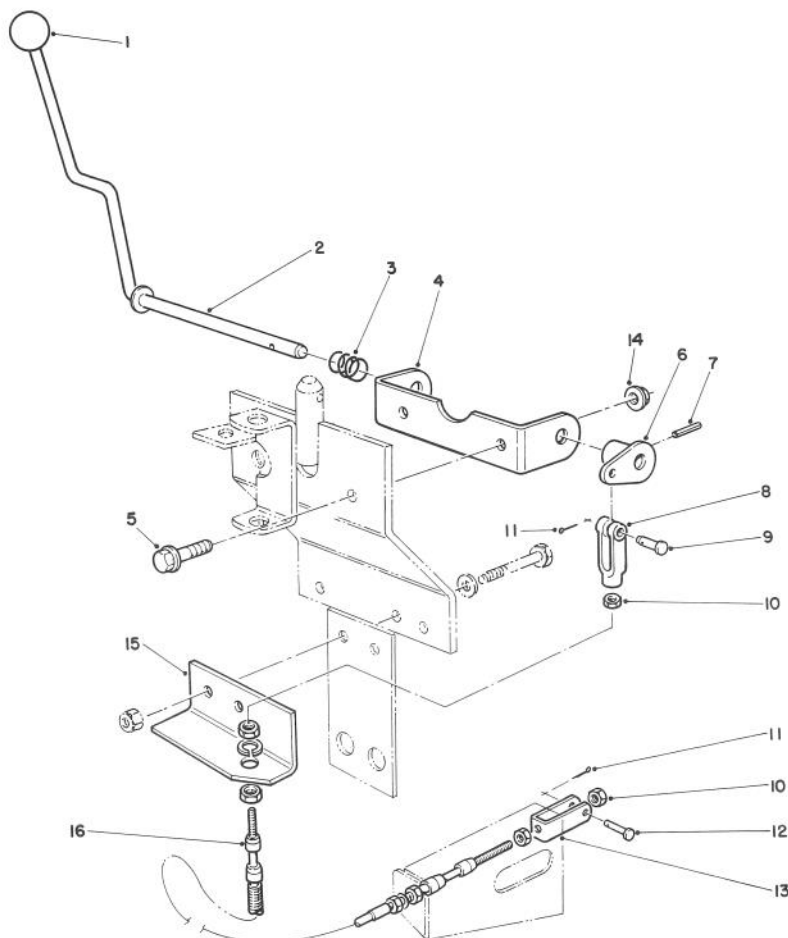
T-0904

STEERING CYLINDER PART NO. 68-6860

Ref. No.	Part No.	Description	No. Used
1	72-3520	Rod	1
2		Wiper	1
3		U-Cup	1
4	72-3520	Head - Internal	1
5		O-Ring	1
6		O-Ring	1
7		O-Ring	1

Ref. No.	Part No.	Description	No. Used
8		Ring - Piston	1
9	72-3500	Piston	1
10	72-3490	Nut	1
11	72-3510	Barrel Assembly	1
*	72-3480	Kit - Seal (Incl. Ref.#2, 3, & 5-8)	1

*Not Illustrated

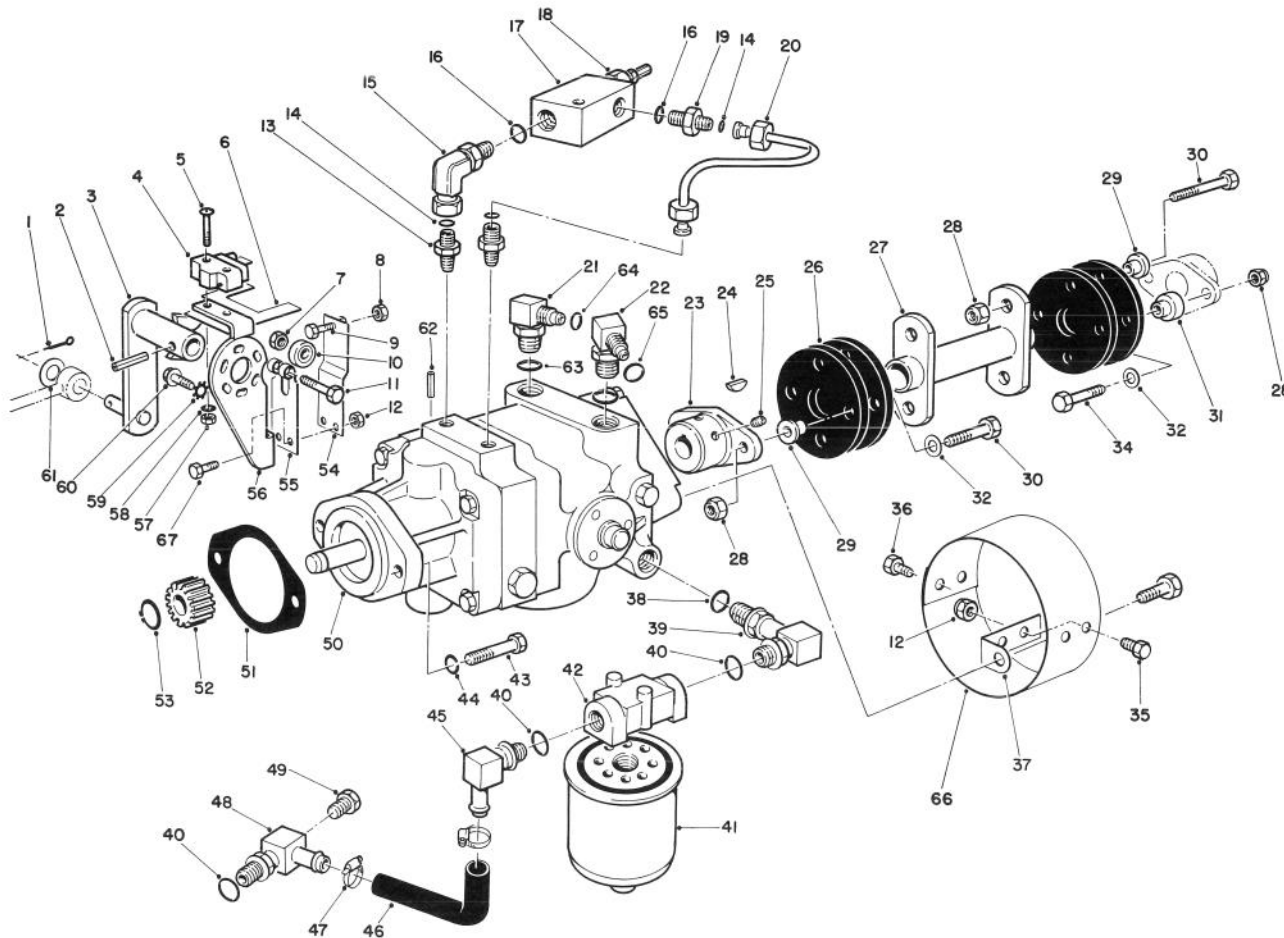


T-0907

CLUTCH ENGAGEMENT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233-21	Knob	1
2	71-4610	Handle W.A.	1
3	5-1747	Spring - Compression	1
4	71-4640	Bracket - Lever, Shaft	1
5	3234-11	Screw - Flange, Hex. Hd.	1
6	71-4650	Lever W.A.	1
7	32121-5	Pin - Roll	1
8	282-17	Clevis	1
9	283-3	Pin - Clevis	1
10	3220-1	Nut - Jam	3

Ref. No.	Part No.	Description	No. Used
11	3272-1	Pin - Cotter	2
12	283-17	Pin - Clevis	1
13	68-6890	Clevis	1
14	32128-21	Nut - Flange, Lock	1
15	71-4630	Mount - Cable	1
16	71-4680	Cable Assembly	1
17	32122-16	Screw - Truss Hd.	1
18	88-3370	Spacer - Sealing Plate	1
19	3296-59	Nut - Lock	1



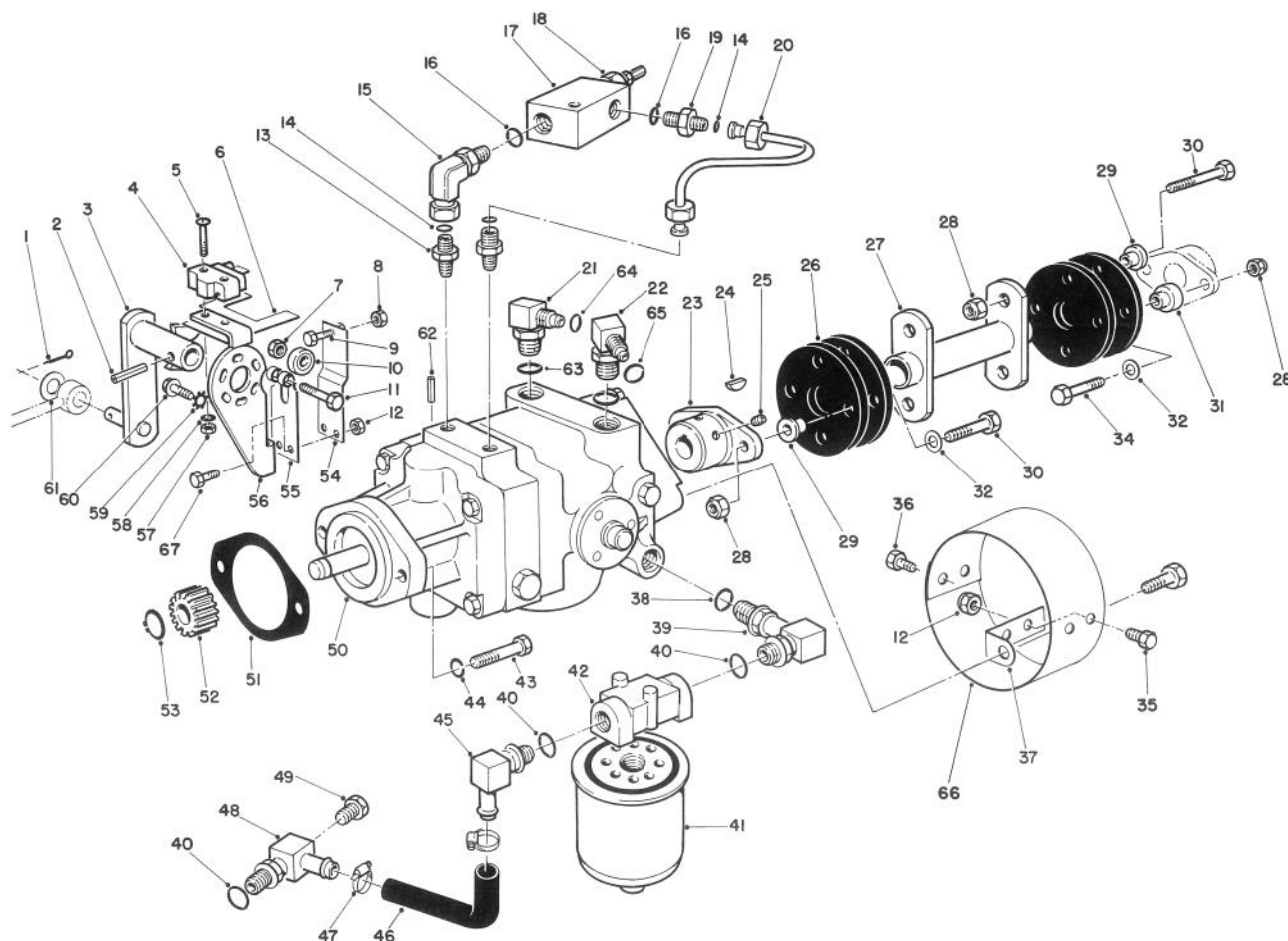
T-0909

HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	3272-10	Pin - Cotter	1
2	32121-24	Pin - Roll	1
3	28-9570	Lever - Pump	1
4	29-6163	Switch - Micro	1
5	3249-11	Screw - Mach. Rd. Hd.	2
6	46-8810	Stop - Leaf, Spring	1
7	3296-29	Nut - Lock	1
8	3219-2	Nut - Hex	1
9	3210-7	Screw - Cap Hex. Hd.	1
10	251-259	Bearing - Ball	1
11	322-17	Screw - Cap Hex. Hd.	1
12	3296-42	Nut - Lock	6
13	340-107	Fitting - Straight	2
14	237-21	O-Ring	3
15	340-143	Elbow - Swivel	1
16	237-78	O-Ring	2
17	72-3710	Body - Valve, Relief	1
18	72-3720	Cartridge - Valve, Relief	1
*	72-3730	Seal Kit (Relief Valve)	1
*	72-3540	Valve - Relief Adj. (Incl. Ref.#17 & 18)	1
19	340-92	Adapter - Straight	1
20	72-3550	Tube Assembly	1
21	340-77	Elbow - Fitting	1
22	340-99	Elbow - Fitting	1
23	33-4380	Hub - Pump	1

Ref. No.	Part No.	Description	No. Used
24	3257-32	Key - Woodruff	1
25	3241-5	Screw - Set, Sq. Hd.	2
26	44-2230	Coupling - Rubber	4
27	71-4400	Coupling - Drive	1
28	32152-1	Nut - Lock	8
29	71-4411	Spacer - Coupling, Rubber	6
30	322-8	Screw - Cap Hex. Hd.	6
31	71-4410	Spacer - Coupling, Rubber	2
32	3256-3	Washer - Flat	4
34	322-10	Screw - Cap Hex. Hd.	2
35	321-2	Screw - Cap Hex. Hd.	2
36	321-4	Screw - Cap Hex. Hd.	2
37	54-9290	Bracket	2
38	237-80	O-Ring	1
39	68-8660	Elbow - Fitting	1
40	237-81	O-Ring	3
41	67-8110	Filter - Oil	1
42	68-8990	Head - Filter	1
43	323-7	Screw - Cap Hex. Hd.	2
44	3253-21	Washer - Lock	2
45	353-987	Elbow - Fitting	1
46	68-9650	Hose - Axle	1
47	2412-34	Clamp - Hose	2
48	70-2620	Elbow - Fitting	1
49	353-508	Plug - Drain	1
50	71-4370	Transmission - Inline	1

*Not Illustrated

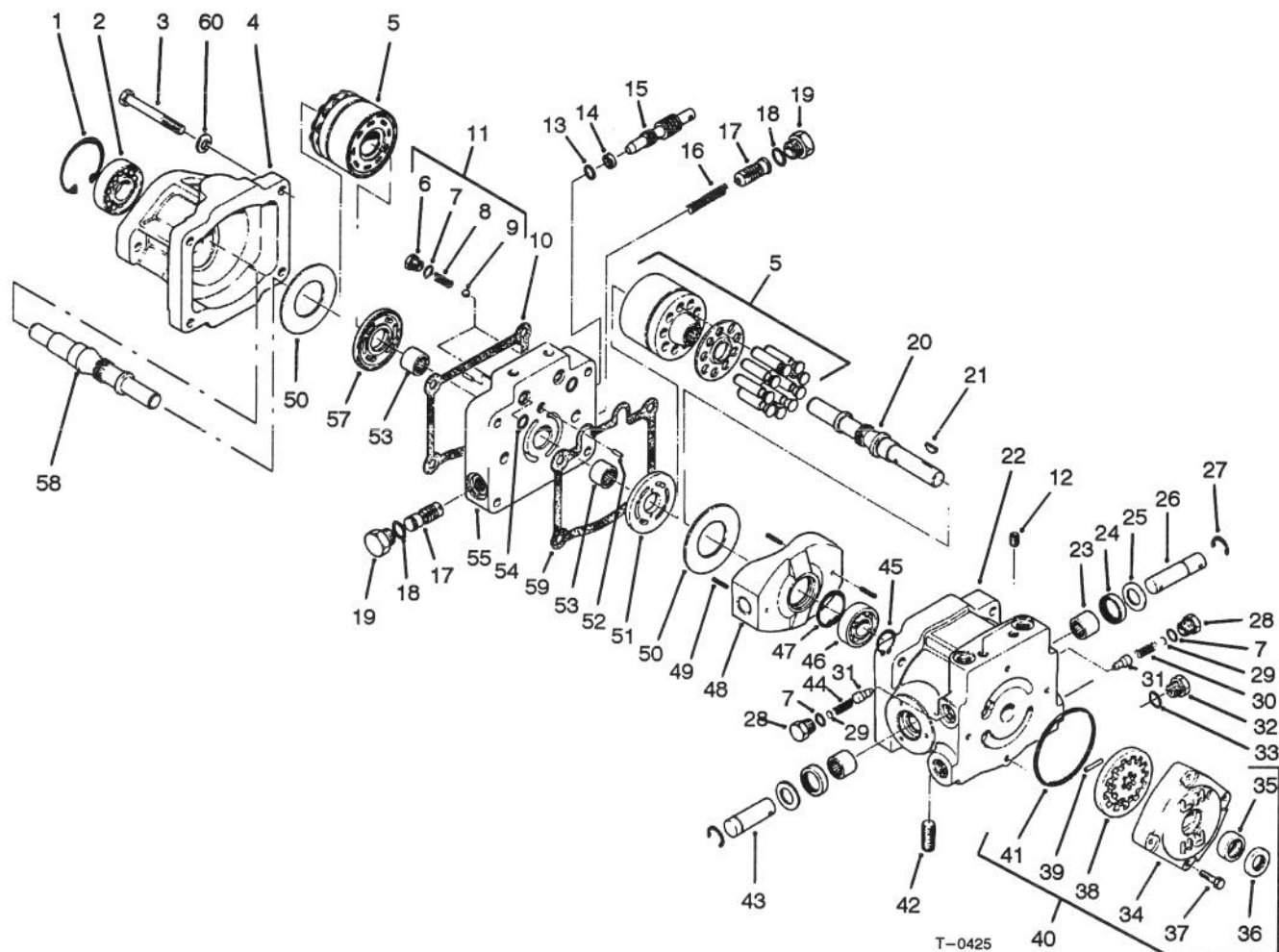


T-0909

HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
51	41-8760	Gasket - Transmission	1	60	11-9760	Screw - Self Tapping	3
52	86-7220	Gear - Output, Trans.	1	61	3256-6	Washer - Flat	1
53	32120-72	Ring - Retaining	1	62	32121-6	Pin - Roll	1
54	29-6170	Spring - Leaf, Extended	1	63	237-42	O-Ring	2
55	29-6150	Spring - Leaf	1	64	237-22	O-Ring	1
56	29-6120	Plate - Pump	1	65	237-30	O-Ring	1
57	3217-6	Nut - Hex	2	66	54-9300	Cover	1
58	3254-9	Washer - Lock	2	67	321-6	Screw - Cap Hex. Hd.	2
59	3255-7	Washer - Lock	3				

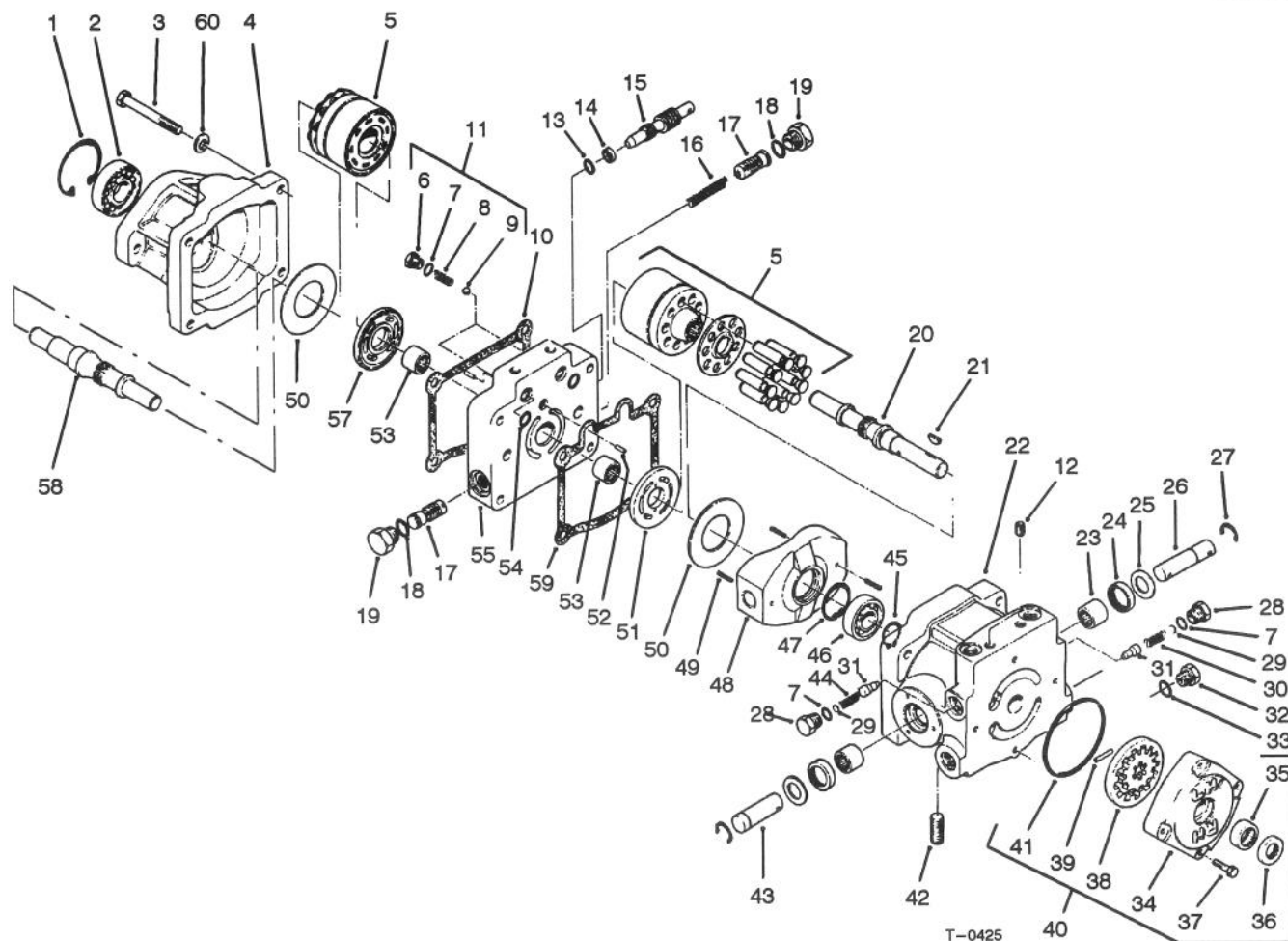
3315-265



TRANSMISSION ASSEMBLY NO. 71-4370

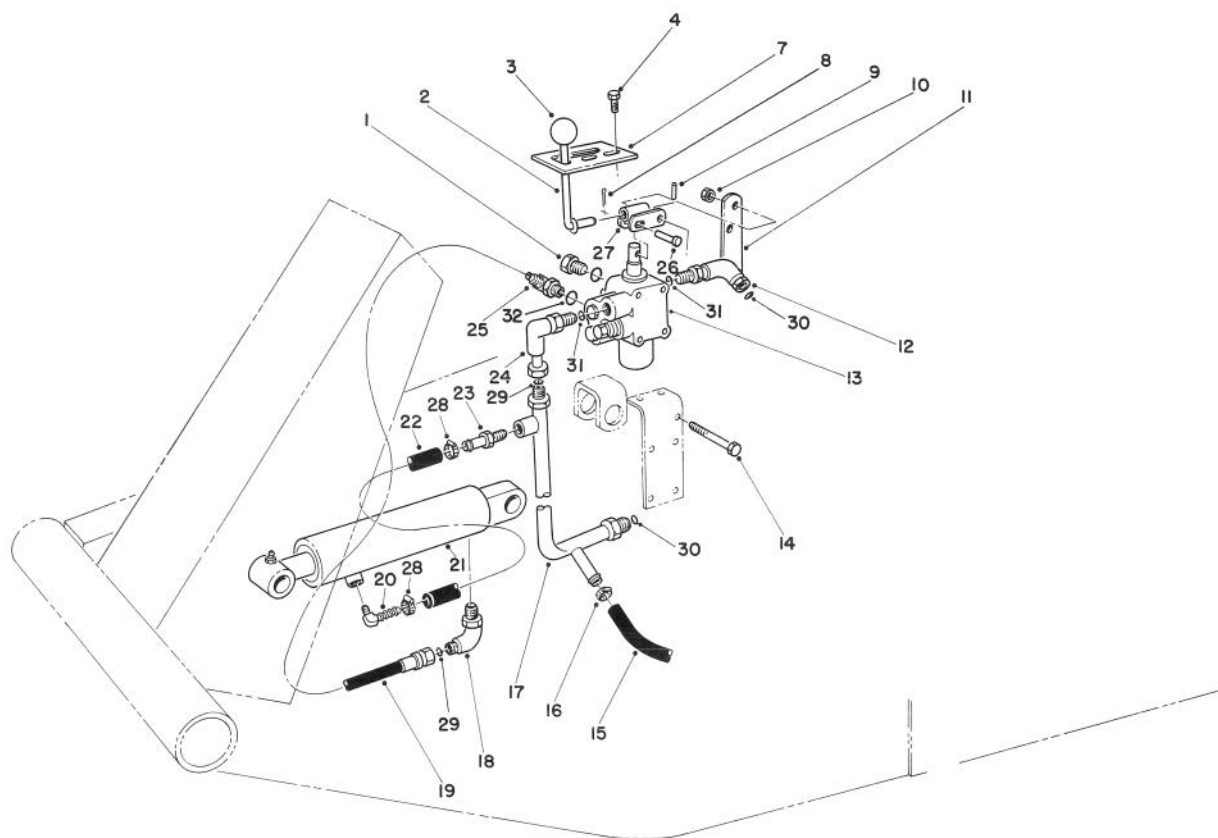
Ref. No.	Part No.	Description	No. Used
1	32120-8	Ring - Retaining	1
2	72-3750	Bearing - Ball	1
3	323-13	Screw - Cap Hex. Hd.	4
4	67-9080	Housing - Motor	1
5	48-1800	Cylinder Block Kit	2
6	25-2650	Check Valve Plug	2
7	237-86	O-Ring	4
8	25-2640	Valve Spring	2
9	25-2490	Ball	2
10	67-9100	Gasket	1
11	25-3180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

Ref. No.	Part No.	Description	No. Used
25	25-2510	Washer - Flat	2
26	25-2580	Trunion Shaft	1
27	32151-46	Ring - Retaining	2
28	25-2460	Plug - Hex. Hd.	2
29	25-2470	Shim Pack	2
30	25-2570	Valve Spring	1
31	25-2560	Relief Valve Cone	2
32	353-551	Plug - Hex. Hd.	1
33	237-80	O-Ring	1
34	25-2550	Charge Pump Housing	1
35	67-8050	Bearing - Needle	1
36	67-8060	Lip Seal	1
37	322-4	Screw - Cap Hex. Hd.	4
38	25-2680	Gerotor Assembly	1
39	25-2530	Headless Straight Pin	1
40	25-3190	Charge Pump (Incl. Ref. #34-39 & 41)	1
41	237-95	O-Ring	1
42	67-9090	Plug	1
43	25-2500	Trunion Shaft	1
44	25-2480	Valve Spring	1
45	32120-15	Ring - Retaining	1
46	251-8	Bearing - Ball	1
47	32120-11	Ring - Retaining	1
48	25-2450	Variable Swashplate	1
49	32121-91	Pin - Coil Spring	3



TRANSMISSION ASSEMBLY NO. 71-4370 (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
50	25-2380	Thrust Plate	2	55	25-2420	Center Section	1
51	25-2440	Pump Valve Plate	1	57	25-2390	Motor Valve Plate	1
52	25-2430	Dowel Pin	2	58	46-8410	Motor Shaft	1
53	46-8400	Bearing - Needle	2	59	25-2400	Gasket	1
54	62-4290	O-Ring	2	60	74-9510	Washer	4



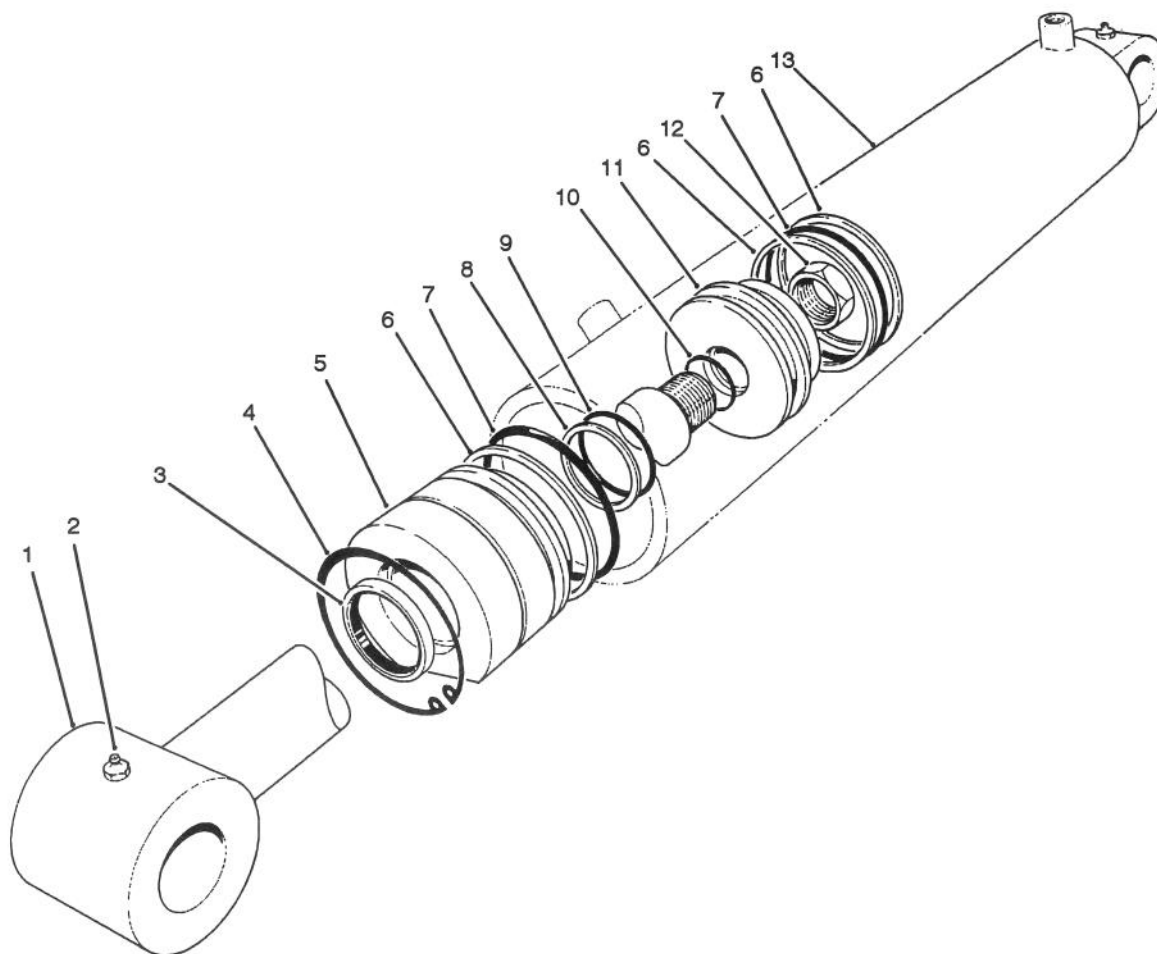
T-0426

VALVE & CYLINDER ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
19	71-3580	Hose - (Valve to Cylinder)	1
20	304-75	Fitting - 90° Barb	1
21	62-4250	Cylinder - Hydraulic	1
*	66-1250	Cylinder - Hydraulic (Optional)	1
22	65-2970	Line - Gas	1
23	304-73	Fitting - Straight Barb	1
24	340-110	Elbow - 90°	1
25	340-97	Fitting - 90°	1
26	283-17	Pin	1
27	21-8590	Link - Valve Lever	1
28	2412-108	Clamp - Hose	2
29	237-22	O-Ring	2
30	237-30	O-Ring	2
31	237-42	O-Ring	2
32	237-78	O-Ring	2

*Not Illustrated



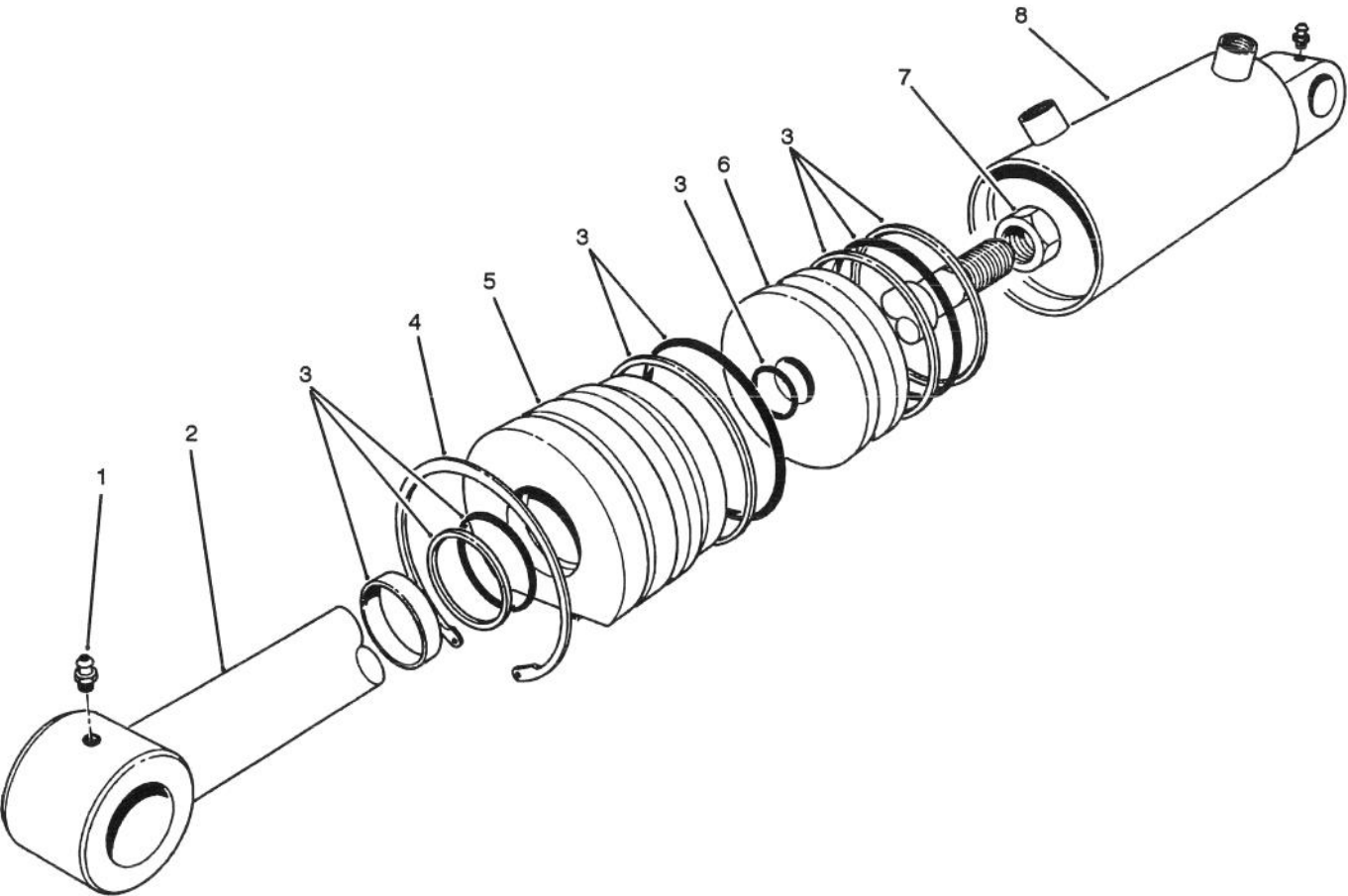
T-0859

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 - Backup	3	*	61-4960	Seal Repair Kit (Incl. Ref. #3, 6-10)	1
7		O-Ring	2				
8		Ring - Backup	1				

*Not Illustrated

†Not available separately.

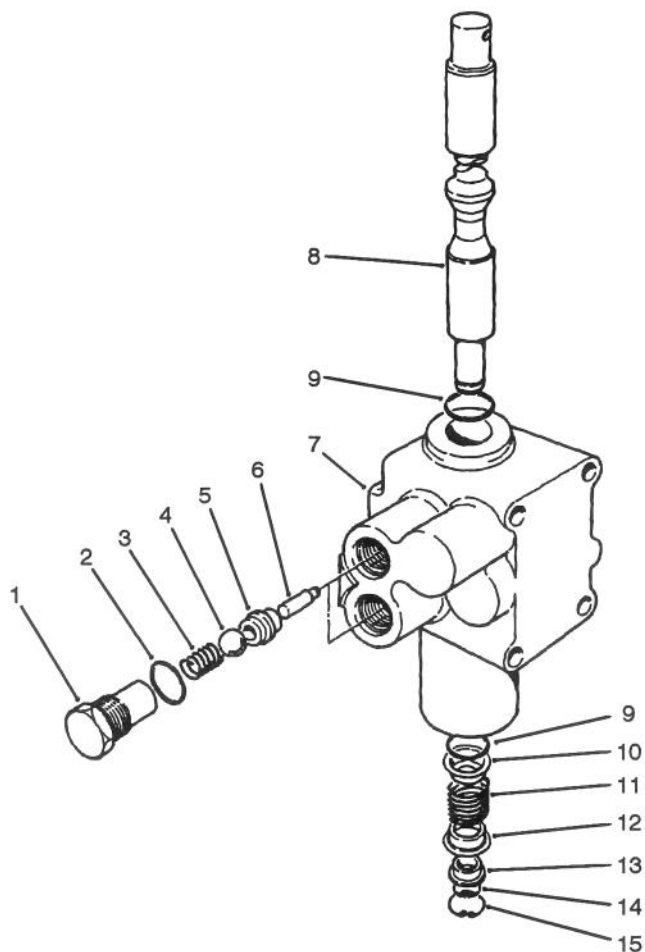


T-0527

**HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 66-1250
(3" Bore)**

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	302-55	Fitting - Grease	2	5	67-5460	Head	1
2	67-5480	Shaft	1	6	67-5450	Piston	1
3	67-5500	Repair Kit	1	7	60-9760	Nut - Hex	1
4	67-5470	Ring - Retaining	1	*8		Barrel	1

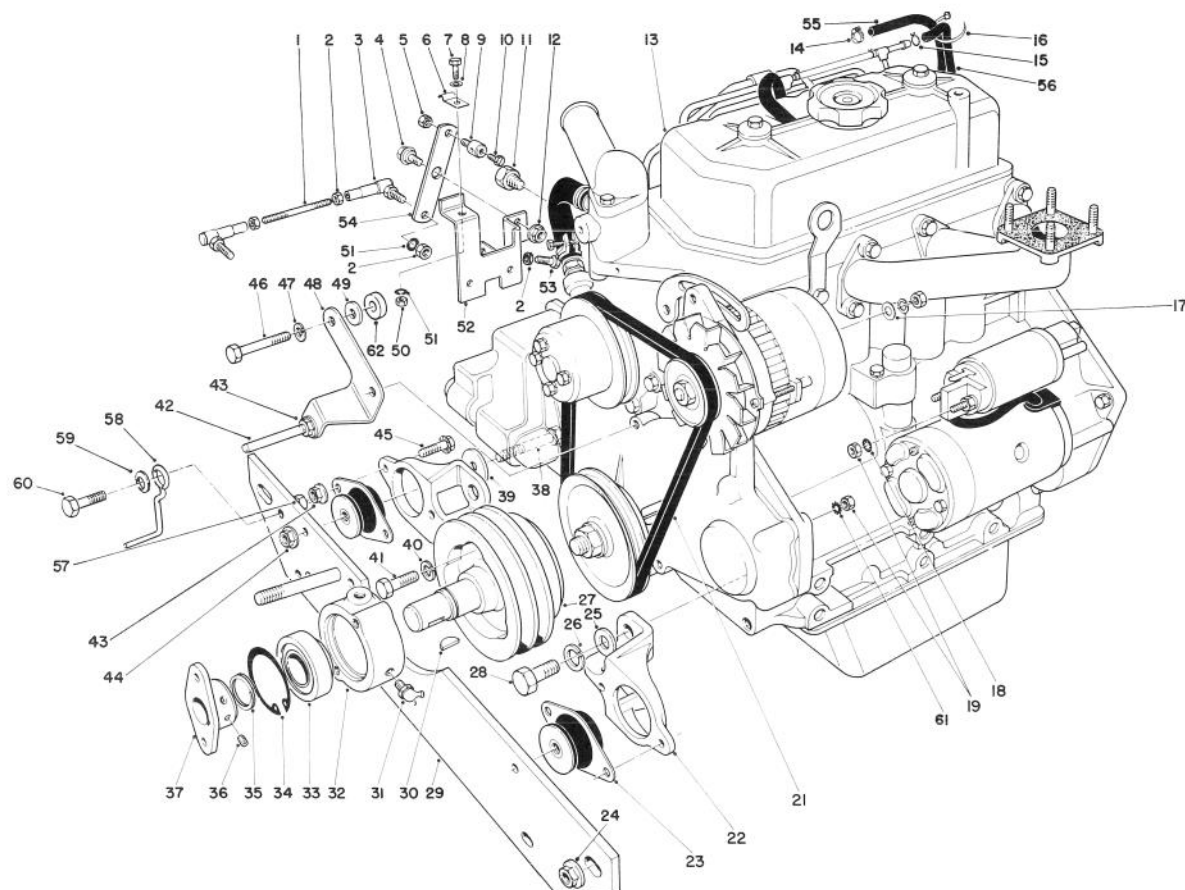
*Not available separately.



T-0428

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	8	22-8420	Spool	1
2	237-42	O-Ring	2	10	22-8380	Spring Retainer	1
3	22-8340	Spring	2	11	22-8410	Spring	1
4	22-8350	Ball	2	12	22-8390	Spring Retainer	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		Body	1	15	22-8490	Snap Ring	1

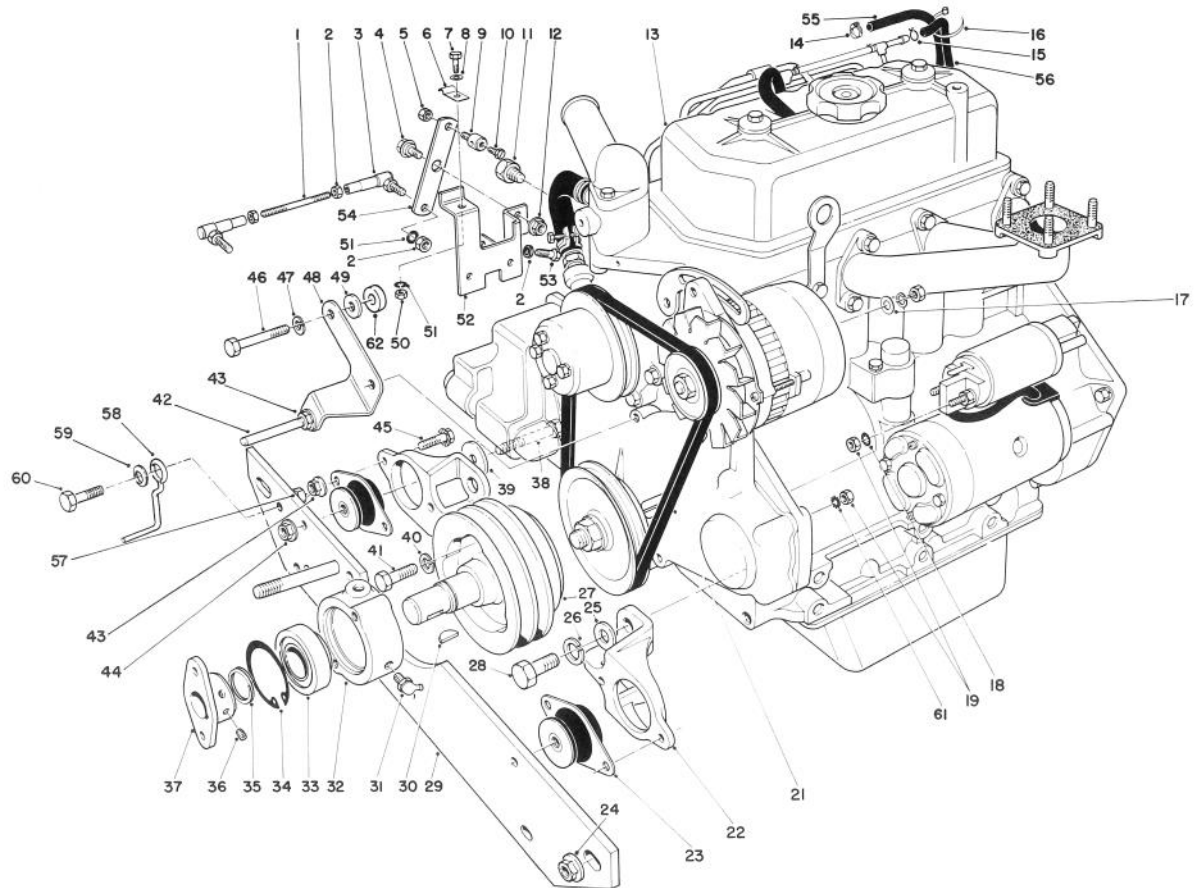


T-0429

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-3770	Link - Throttle	1
2	3219-1	Nut	5
3	18-1720	Ball Joint Assembly	2
4	37-8770	Bolt - Shoulder	1
5	3296-20	Nut - Lock	1
6	2412-31	Clamp - Bodine	1
7	321-4	Screw - Cap Hex. Hd.	1
8	3256-22	Washer - Flat	1
9	43-3780	Swivel - Throttle Control	1
10	25-8640	Screw - Machine	1
11	43-1940	Adapter - Temp. Gauge	1
12	32152-1	Nut - Lock Flange	1
13	43-1440	Engine	1
14	2412-108	Clamp - Worm Drive	1
15	2412-79	Clamp	1
16	3290-379	Cable Tie	1
17	5-3637	Washer	1
18	3254-2	Washer - Lock Int. Tooth	2
19	42-9580	Nut	2
21	42-9100	Belt - Fan	1
22	53-9710	Engine Mount	2
23	53-9680	Engine Mount - Rubber	2
24	32128-23	Nut - Lock Flange	2
25	3256-64	Washer - Flat	4
26	43-5950	Washer - Lock	4
27	43-3510	Pulley - Engine	1

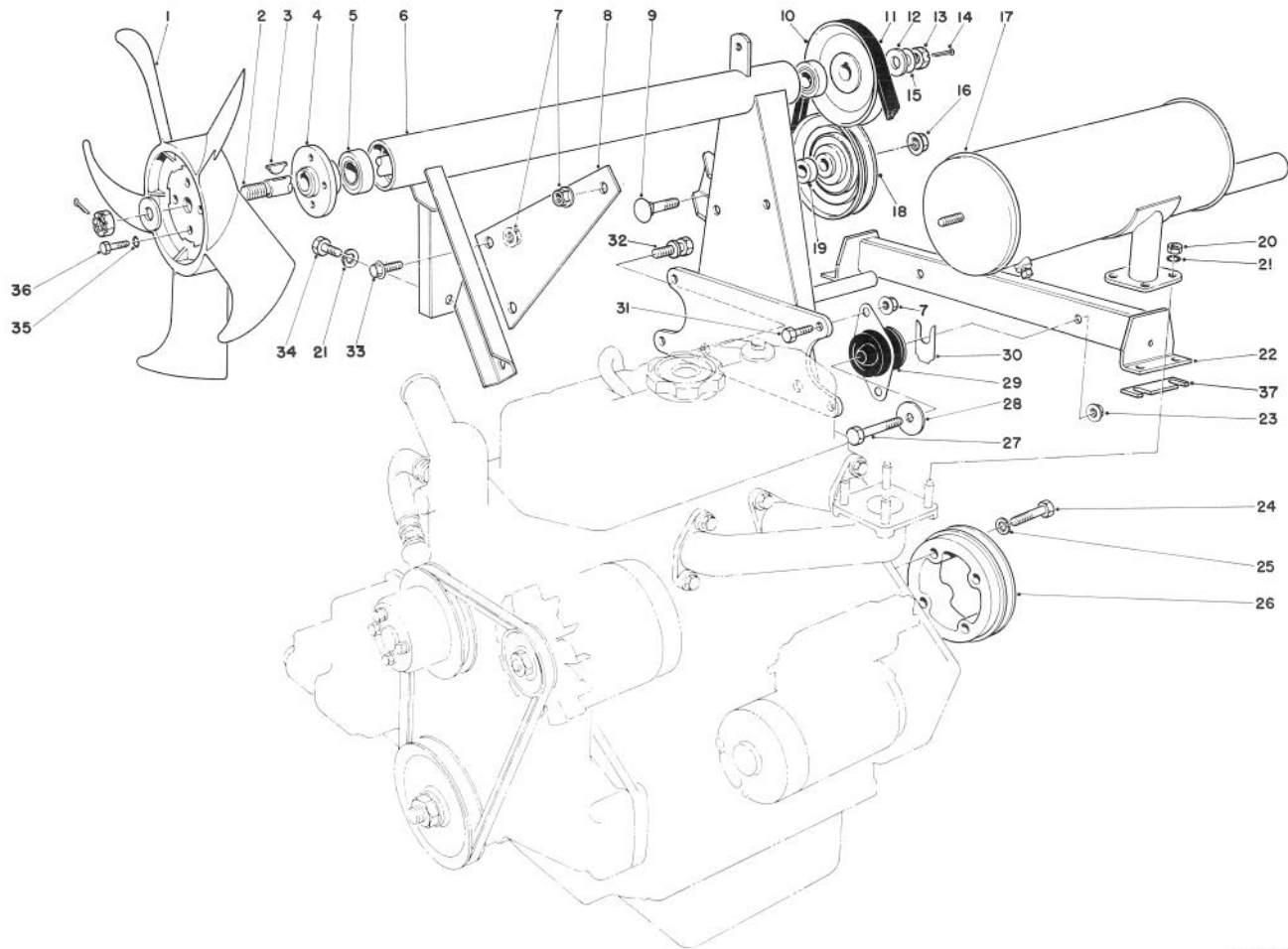
Ref. No.	Part No.	Description	No. Used
28	43-3210	Screw - Cap Hex. Hd.	4
29	75-9900	Engine Support - Front	1
30	3257-33	Key - Woodruff	1
31	302-10	Fitting - Grease	1
32	43-3720	Collar - Bearing	1
33	251-252	Bearing - Ball	1
34	32120-22	Ring - Retaining Internal	1
35	32120-69	Ring - Retaining External	1
36	3245-1	Screw - Set Socket Head	2
37	27-1960	Hub - Engine	1
38	324-12	Screw - Cap Hex. Hd.	2
39	53-9480	Washer	2
40	42-9600	Washer - Lock	3
41	43-3190	Screw - Cap Hex. Hd.	3
42	21-1820	Stud - Belt Retainer	2
43	3290-357	Nut - Lock Flange	7
44	32128-37	Nut - Lock Flange	2
45	3234-11	Screw - Cap Hex. Hd.	4
46	42-9510	Screw - Cap Hex. Hd.	2
47	3253-4	Washer - Lock	2
48	43-3790	Bracket - Belt Guide	1
49	4-2390	Washer	2
50	3217-5	Nut	1
51	3253-3	Washer - Lock	3
52	43-3730	Bracket Throttle Control	1
53	329-7	Screw - Cap Hex. Hd.	1



T-0429

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
54	43-3760	Lever - Throttle	1	59	3290-224	Washer - Lock	1
55	47-7420	Hose	1	60	3234-18	Screw - Cap Hex. Hd.	1
56	43-4230	Hose	1	61	3255-9	Washer - E.T.L.W.	1
57	32153-2	Nut - Lock	1	62	5-0652	Spacer	2
58	63-1400	Belt Guide	1				



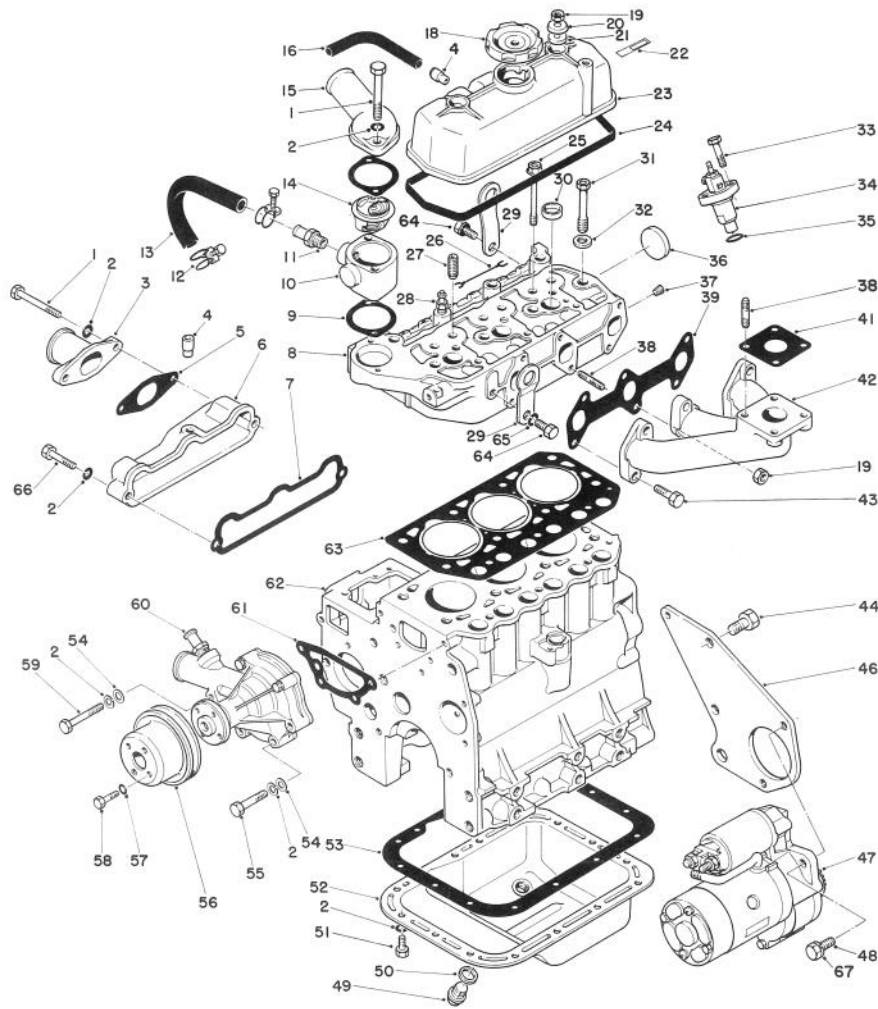
T-0430A

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	Fan Mount	1
7	3290-357	Nut - Lock Flange	8
8	43-3870	Support - Muffler	1
9	3233-14	Bolt - Carriage	1
10	43-3880	Pulley	1
11	43-5910	V-Belt	1
12	29-8910	Washer	2
13	32136-3	Nut - Hex. Slotted	2
14	3272-16	Pin - Cotter	2
15	3-6803	Washer	A/R
16	32128-23	Nut - Lock Flange	1
17	43-3850	Muffler	1
18	66-5310	Idler Pulley	1
19	66-5320	Spacer	1
20	42-9580	Nut	4

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

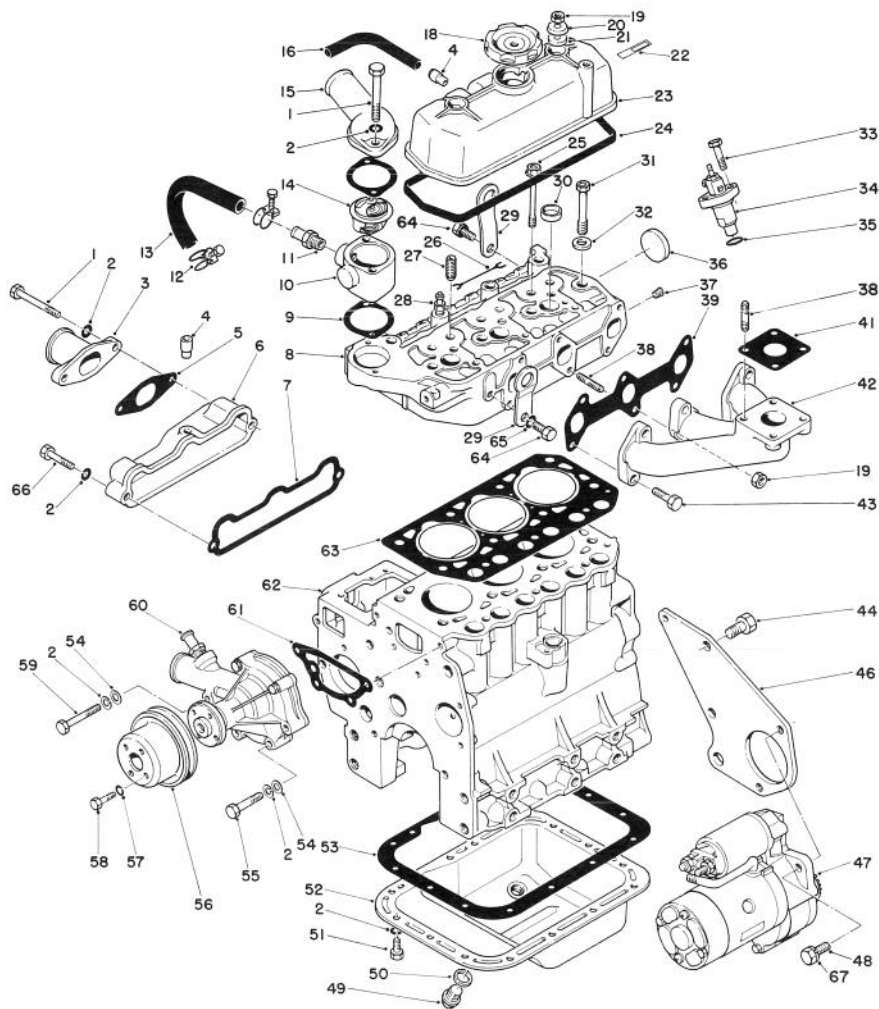
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T-0431

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-9310	Screw - Cp, Hex. Hd.	4	26	42-9180	Wire - Glow Plug Lead	2
2	42-9850	Washer - Lock	24	27	42-7460	Guide - Valve	6
3	42-9150	Pipe Inlet	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	Intake Manifold Assembly	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	Head Assembly - Cylinder	1	33	42-9390	Bolt (8 x 32)	6
9	42-7550	Gasket	2	34	44-8070	Nozzle & Holder Assembly	3
10	43-1790	Fitting - Thermostat	1	35	42-8120	Gasket - Nozzle Holder	3
11	42-7740	Nipple - Hose	1	36	42-7090	Cap - Sealing (45)	1
12	43-3140	Clamp - Hose	2	37	42-7410	Plug - Taper 1/8	1
13	43-3130	Hose - Water (Incl. Ref. #12)	1	38	42-9570	Stud (8 x 25)	5
14	43-1780	Thermostat	1	39	42-9170	Gasket - Exhaust Manifold	1
15	42-7540	Fitting - Water Outlet	1	41	42-9110	Gasket	1
16	42-7430	Pipe - Air Breather	1	42	43-1870	Manifold - Exhaust	1
18	42-7420	Cap - Oil Filter	1	43	42-9520	Screw - Cap (8 x 30)	5
19	42-9580	Nut (8)	3	44	42-9240	Screw - Cap (12 x 28)	3
20	42-9800	Washer	2	46	43-1770	Plate - Rear	1
21	42-7490	Seal - Oil	2	47	46-7610	Starter Assembly	1
22	42-7530	Label - Engine No.	1	48	43-0090	Screw - Cap (10 x 25)	2
23	42-7500	Cover Assembly - Rocker	1	49	42-9260	Plug - Oil Drain	1
24	42-7520	Gasket - Rocker Cover	1	50	42-7290	Gasket - Oil Drain Plug (18)	1
25	42-9330	Bolt - Cylinder Head (10 x 90)	3	51	42-9230	Screw - Cap (8 x 16)	15

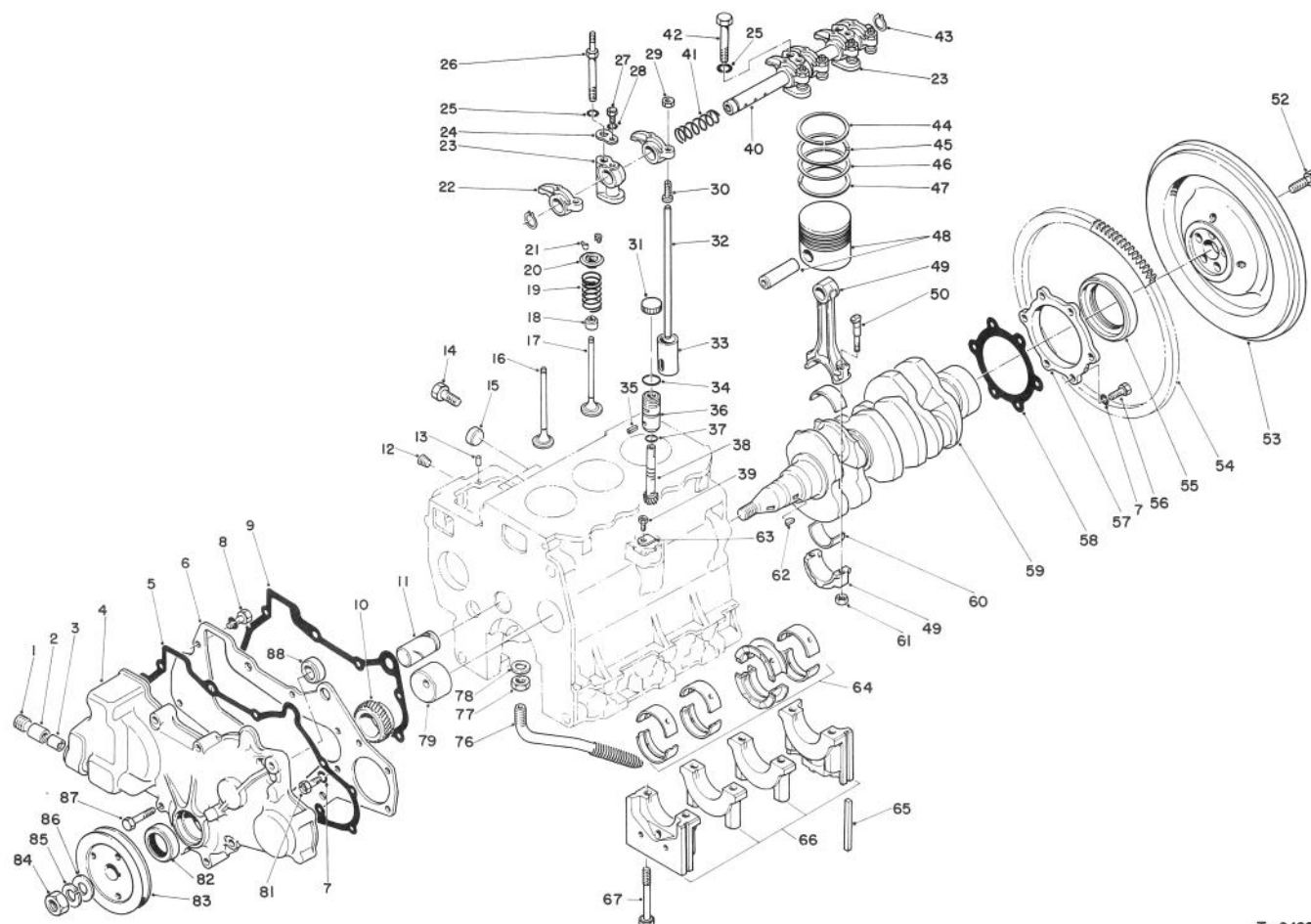


T-0431

ENGINE ASSEMBLY (Continued)

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

*Not Illustrated



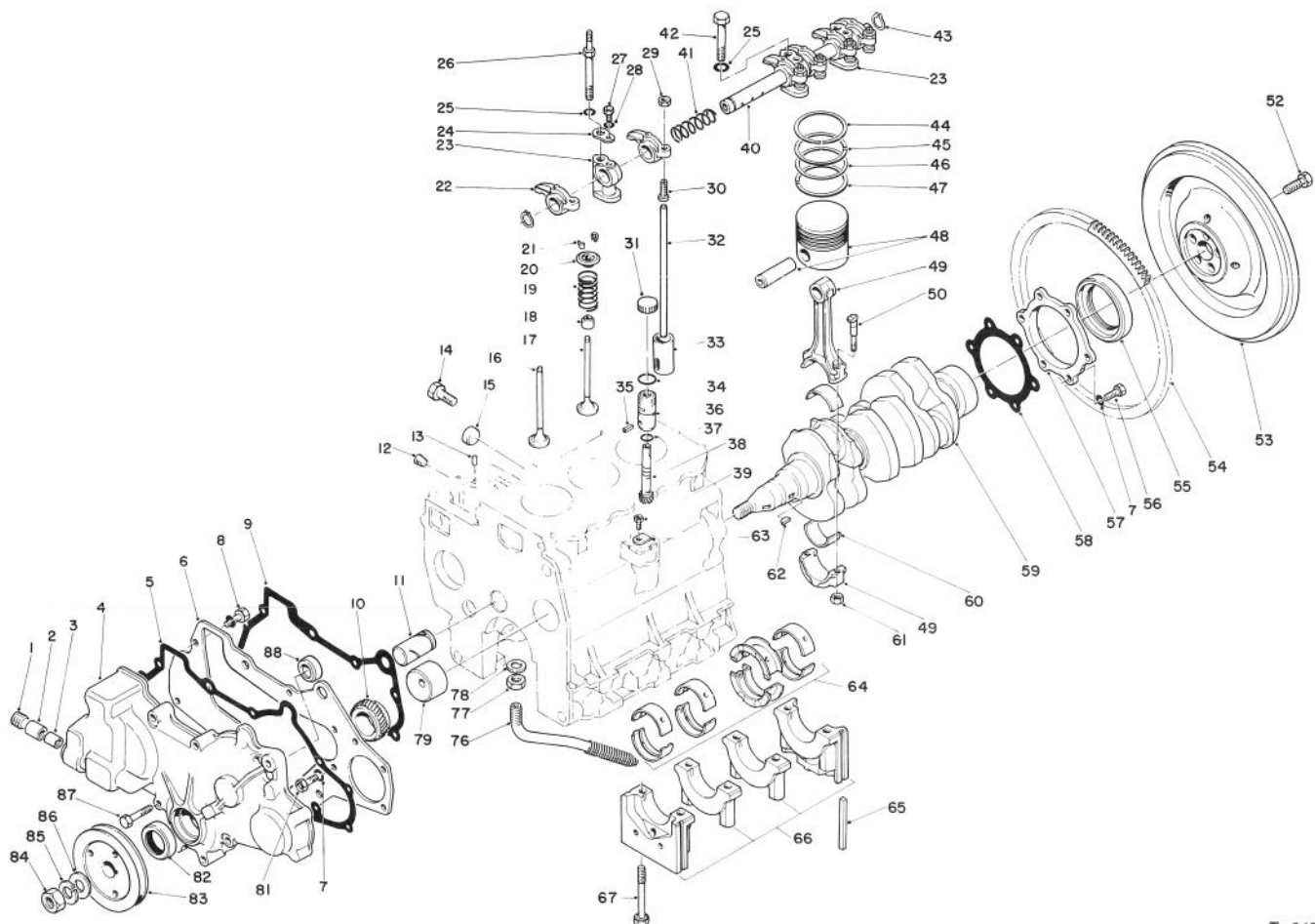
T-0432A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-7400	Plug - Taper	1	26	42-9360	Bolt	2
2	42-7320	Bearing - Needle	1	27	42-9350	Screw - Cap Hex. Hd.	2
3	42-7310	Bearing - Needle	1	28	43-5930	Washer - Lock	2
4	42-7330	Case - Gear	1	29	42-9620	Nut - Jam	6
5	42-7340	Gasket - Gear Case	1	30	42-7980	Screw - Adjusting	6
6	62-3740	Plate - Front	1	31	49-7990	Cap - Shipping	1
7	42-9850	Washer - Lock	11	32	42-7920	Rod - Push	6
8	62-3730	Screw - Cap w/Washer	2	33	42-7890	Tappet	6
9	42-7150	Gasket - Front Plate	1	34	42-9010	O-Ring	1
10	42-7700	Gear - Crankshaft	1	35	42-8970	Pin - Spring	1
11	42-7110	Shaft - Idler	1	36	42-8980	Sleeve - Gear	1
12	42-7210	Plug - Taper	3	37	42-8990	O-Ring	1
13	42-7030	Pin - Dowel	2	†38	42-9440	Gear - Driven	1
14	42-9250	Screw - Cap Hex. Hd.	4	39	42-9440	Screw - Cap Hex. Hd.	1
15	42-7080	Cap - Sealing	2	40	42-7960	Shaft Assembly - Rocker	1
16	42-7900	Valve - Intake	3	41	42-7930	Spring - Rocker Shaft L.H.	1
17	42-7910	Valve - Exhaust	3	42	42-9370	Screw - Cap Hex. Hd.	1
18	42-7870	Seal - Valve Stem	6	43	42-7990	Ring - Snap	2
19	42-7880	Spring - Valve	6	44	72-4200	Ring Set - Piston Std.	3
20	42-7850	Retainer - Valve Spring	6	45	72-4210	Ring Set - Piston 0.25 (.010 in.) 0.5.	3
21	42-7860	Lock - Spring Retainer	12	46	72-4220	Ring Set - Piston 0.50 (.020 in.) 0.5.	3
22	42-7940	Arm - Rocker	6	47	72-4230	Ring Set - Piston 0.75 (.030 in.) 0.5.	3
23	42-7970	Stay - Rocker	3				
24	42-7950	Washer - Seat	2				
25	42-9600	Washer - Spring	3				

*Not Illustrated

†Not Serviced Separately



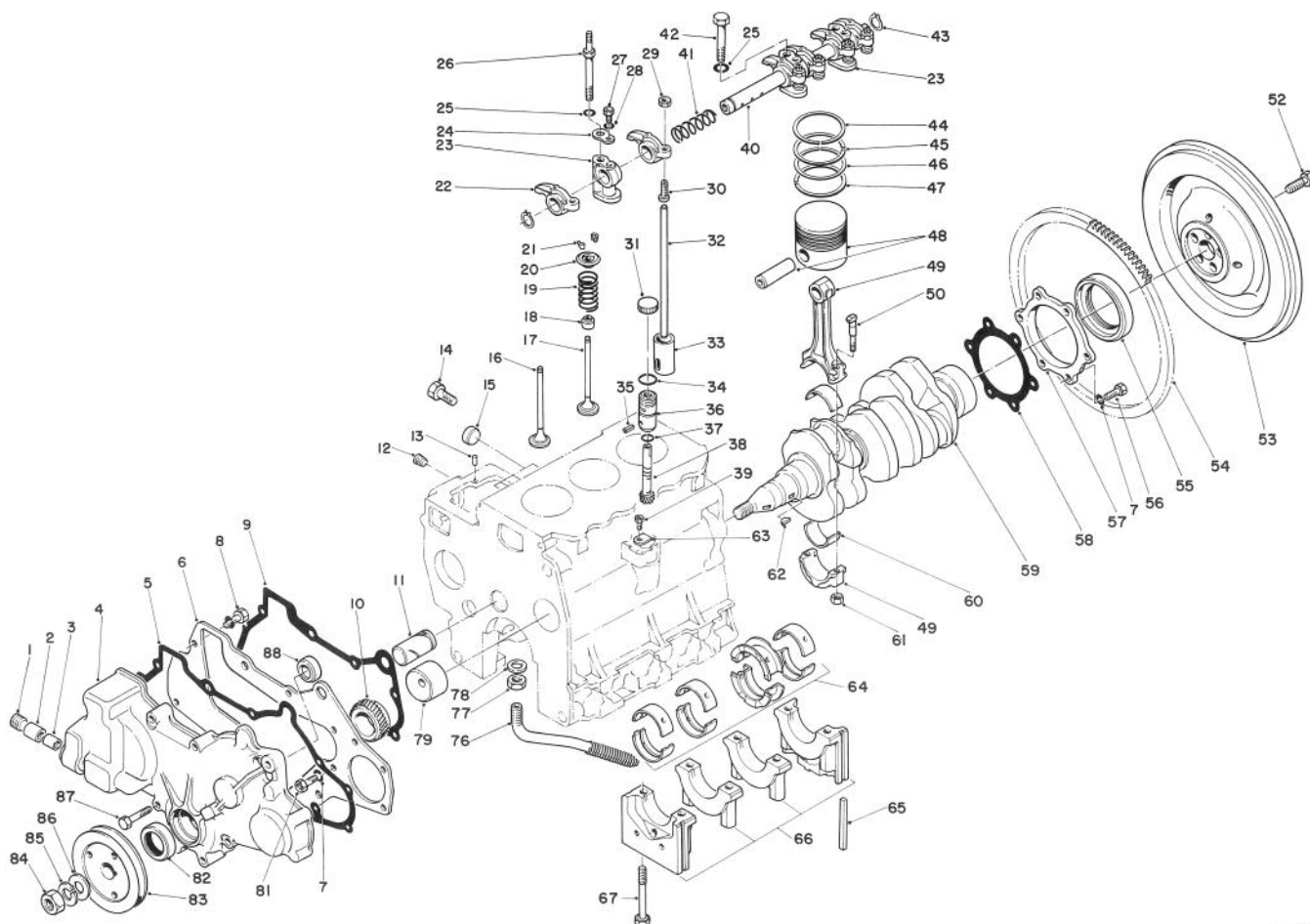
T-0432A

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	Connecting Rod Assembly	3	63	42-9020	Plate - Locking	1
50	42-9470	Bolt - Connecting Rod	6	64	42-7230	Bearing Set	
52	54-8670	Bolt - Flywheel	5			Crankshaft Std.	1
53	43-1800	Flywheel		*	42-7240	Bearing Set - Crankshaft 0.25 (.010 in.) U.S.	1
		(Incl. Ref. #54)	1	*	42-7250	Bearing Set - Crankshaft 0.50 (.020 in.) U.S.	1
54	43-1810	Gear - Ring	1	*	42-7260	Bearing Set - Crankshaft 0.75 (.030 in.) U.S.	1
55	42-7060	Seal - Oil	1			Seal - Side	4
56	42-9220	Screw - Cap Hex. Hd.	6	65	42-7040	Bearing Cap Assembly	1
57	42-7120	Case - Oil Seal	1	†66		Bolt - Bearing Cap	8
58	42-7130	Gasket - Oil Seal	1	76	48-2010	Screen - Assembly Oil	1
59	42-7710	Crankshaft	1	77	48-1990	Nut - Jam	1
60	42-7660	Bearing Set		78	48-1980	Gasket	1
		Connecting Rod Std.	3	79	42-7100	Bushing - Camshaft	1
*	42-7670	Bearing Set		81	42-9230	Screw - Cap Hex. Hd.	3
		Connecting Rod 0.25 (.010 in.) U.S.	3	82	42-7390	Seal - Oil	1
*	42-7680	Bearing Set		83	42-7720	Pulley - Crankshaft	1
		Connecting Rod 0.50 (.020 in.) U.S.	3	84	43-6470	Nut	1
				85	42-9860	Washer - Spring	1

*Not Illustrated

†Not Available



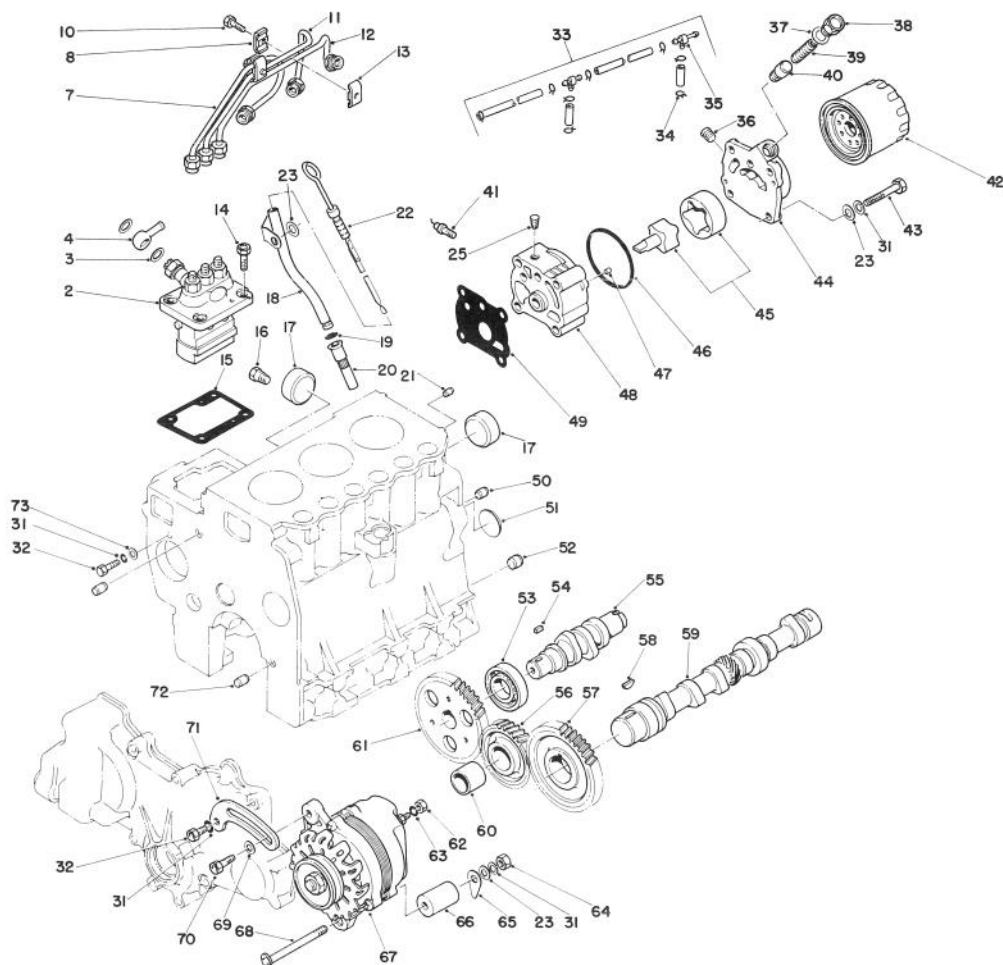
T-0432A

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 - Cap Hex. Hd.	8	*	42-8960	Driven Unit - Speedometer (Incl. Ref. #34-38)	1

*Not Illustrated

†Not Available



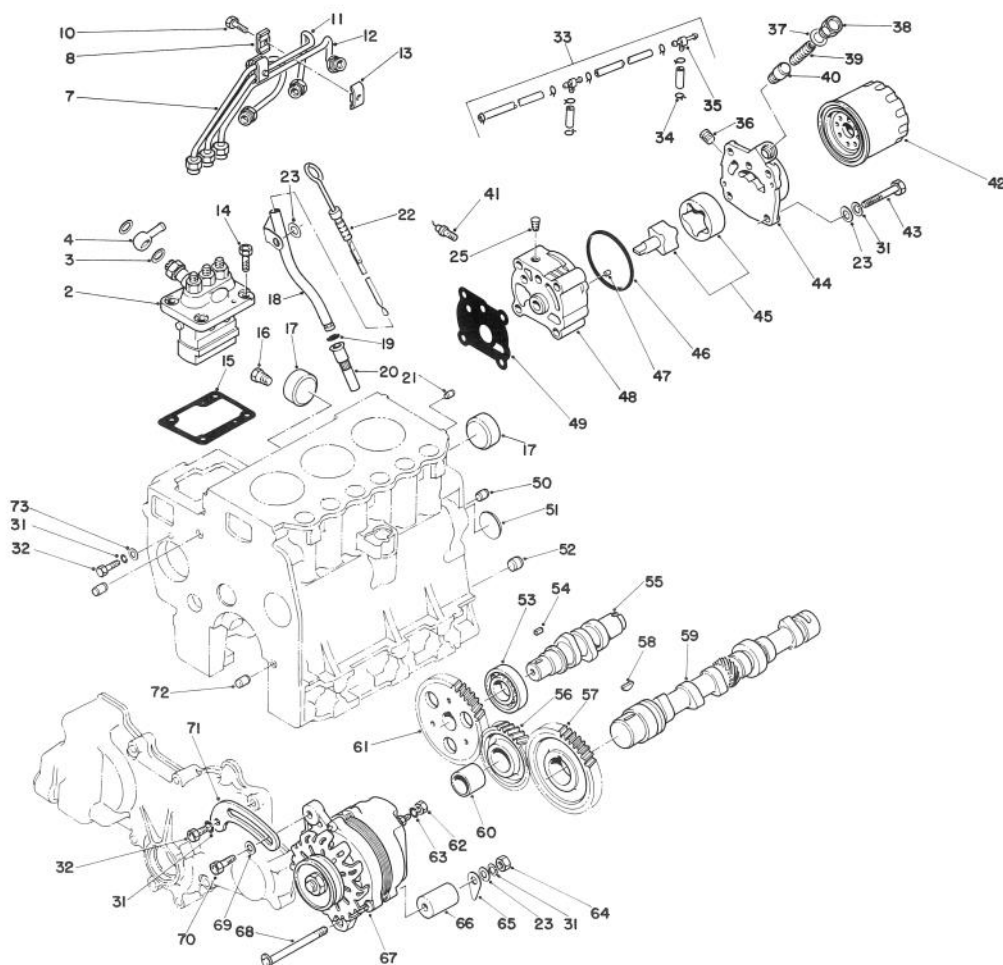
T-0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
2	42-8000	Pump Assy. - Fuel Injection	1
3	42-9830	Washer - Seal	2
4	42-8100	Collar - Union	1
7	42-8130	Pipe Assy. - Fuel Injection (No. 1)	1
8	42-8160	Clamp	2
10	43-2600	Capscrew	2
11	42-8140	Pipe Assy. - Fuel Injection (No. 2)	1
12	42-8150	Pipe Assy. - Fuel Injection (No. 3)	1
13	42-8170	Clamp	2
14	43-0110	Screw - Cap Hex. Hd.	4
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
*	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

Ref. No.	Part No.	Description	No. Used
20	43-2900	Retainer - Oil Level Guide	1
21	42-71 60	Pin - Dowel	1
22	42-7270	Gauge Assembly - Oil Level	1
23	42-9660	Washer - Flat	6
25	42-7410	Plug - Taper	1
31	42-9850	Washer - Lock	7
32	42-9230	Screw - Cap Hex. Hd.	2
33	42-8180	Fuel Return Pipe Assembly	1
34	2412-79	Clamp - Hose	8
35	42-8190	Joint	2
36	42-7210	Plug - Taper	1
37	42-8880	Gasket	1
38	42-8870	Plug	1
39	42-8930	Spring - Relief	1
40	42-8860	Plunger - Relief	1
41	42-9060	Oil Pressure Switch Assy.	1
42	42-9030	Filter Assembly - Oil	1
43	42-9480	Screw - Cap Hex. Hd.	4
44	42-8920	Cover - Oil Pump	1
45	42-8910	Rotor Assembly - Oil Pump	1
46	42-8940	O-Ring	1
47	42-7030	Pin - Dowel	2
48	42-8900	Body - Oil Pump	1
49	42-8950	Gasket - Oil Pump Body	1
50	42-7180	Bushing - Knock	2
51	42-7170	Plug - Expansion	1

*Not Illustrated

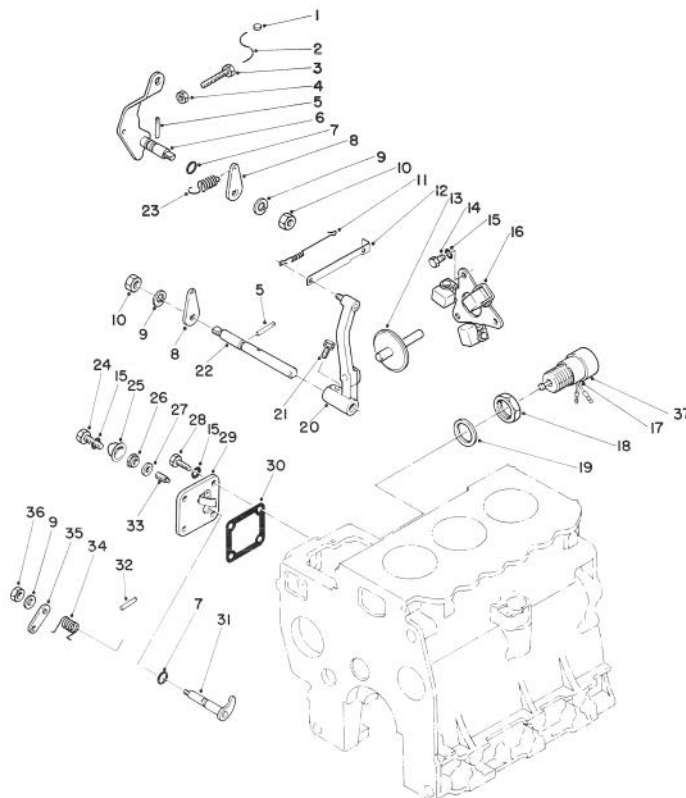


T-0433

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	42-7200	Bushing - Knock	1	64	42-9580	Nut	1
53	42-7820	Bearing - Ball	1	65	43-0370	Shim	AIR
54	42-7840	Key - Sunk	1	66	43-0380	Spacer	1
55	42-7810	Shaft - Injection Pump Cam	1	67	43-0390	Alternator	
56	42-7790	Idler Gear Assembly (Incl. Ref. #60)	1			(Model AH2035M4)	1
57	42-7780	Gear - Camshaft	1	68	43-1900	Screw - Cap Hex. Hd.	1
58	42-7730	Key - Woodruff	1	69	54-8660	Washer	1
59	72-4280	Camshaft	1	70	54-8650	Screw - Cap Flange Hd.	1
60		Bushing - Idler Gear	1	71	43-0400	Brace - Alternator	1
61	42-7830	Gear - Injection Pump Cam	1	72	42-7190	Bushing - Knock	2
62	43-5970	Nut	1	73	42-9820	Washer	1
63	43-5920	Washer - Lock	1	*	42-8850	Oil Pump Assembly (Incl. Ref. 36-40 & 44-48)	1

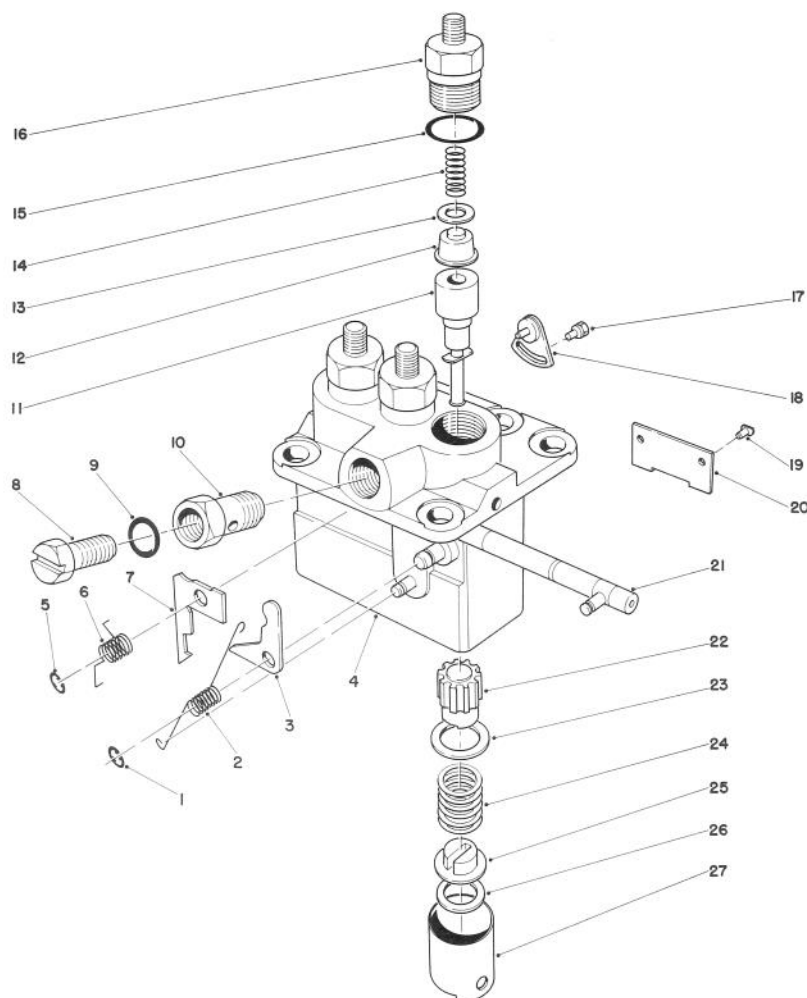
*Not Illustrated



T-0434

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	42-8690	Metal - Sealing	1	20	42-8730	Governor Lever Assembly	1
2	42-8700	Wire	1	21	42-9450	Bolt/Washer - Assembled	1
3	42-9420	Bolt - High Speed Set	1	22	42-8760	Governor Shaft	1
4	43-2830	Nut	1	23	42-8820	Governor Spring	1
5	42-8810	Pin - Grooved	2	24	43-2800	Screw - Cap Hex. Hd.	1
6	42-8780	Speed Control Lever Assy.	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	42-9400	Screw - Cap Hex. Hd.	3
10	42-9580	Nut - Jam	2	29	42-8790	Cover Assembly (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	Lever Assembly Stop	1
13	42-8720	Sliding Shaft Assembly	1	32	42-8810	Pin - Grooved	1
14	42-9430	Screw - Cap Hex. Hd.	3	33	43-3160	Screw - Adjusting	1
15	43-5930	Washer - Lock	7	34	44-8100	Spring Return	1
16	42-8710	Weight Assy. - 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				

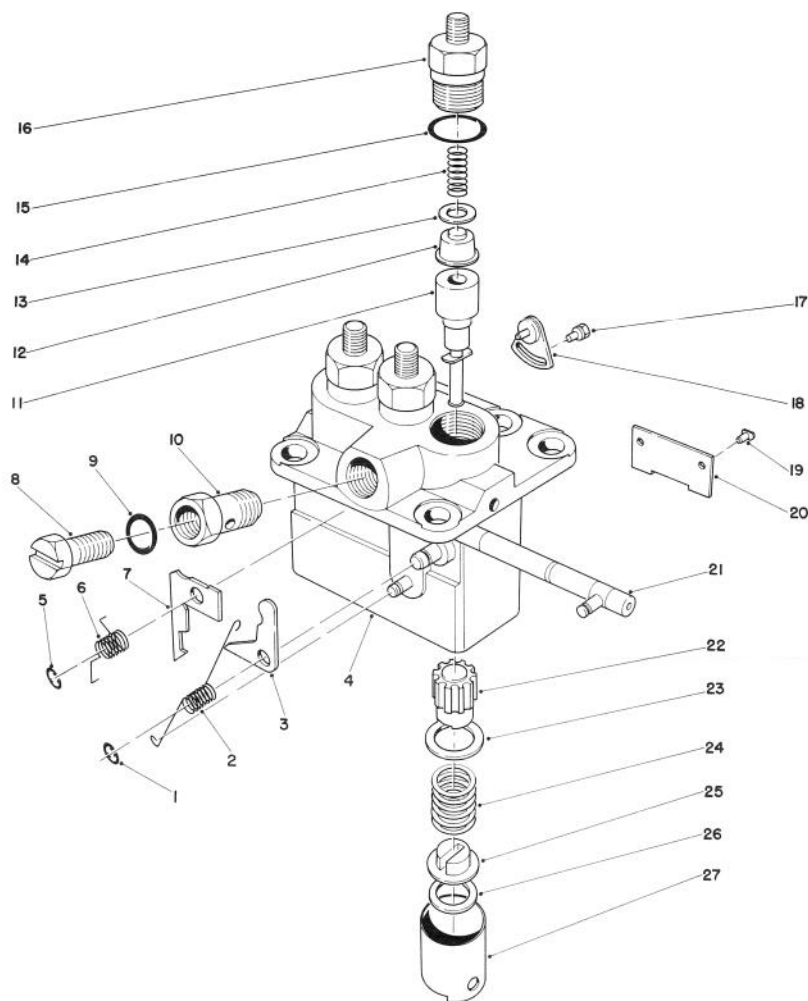


T-0435

FUEL INJECTION PUMP ASSEMBLY NO. 42-8000

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-3100	E-Ring	1	*7	56-0960	Plate - Smoke Set 2.7 (.106 in.)	A/R
2	43-3110	Spring - Ungleich Set	1	*	43-3030	Plate - Smoke Set 2.8 (.110 in.)	A/R
3	43-2910	Plate - Ungleich Set 16.9 (.665 in.)	A/R	*	54-8730	Plate - Smoke Set 2.9 (.114 in.)	A/R
*	43-2920	Plate - Ungleich Set 16.8 (.661 in.)	A/R	*	43-3040	Plate - Smoke Set 3.0 (.118 in.)	A/R
*	43-2930	Plate - Ungleich Set 16.7 (.657 in.)	A/R	*	54-8740	Plate - Smoke Set 3.1 (.122 in.)	A/R
*	43-2940	Plate - Ungleich Set 16.6 (.654 in.)	A/R	*	43-3050	Plate - Smoke Set 3.2 (.126 in.)	A/R
*	43-2950	Plate - Ungleich Set 16.5 (.650 in.)	A/R	*	54-8750	Plate - Smoke Set 3.3 (.130 in.)	A/R
4		Pump Housing Sub Assy.	1	*	43-3060	Plate - Smoke Set 3.4 (.134 in.)	A/R
5	54-8780	E-Ring	1	*	54-8760	Plate - Smoke Set 3.5 (.138 in.)	A/R
6	42-8460	Spring Return	1	*	43-3070	Plate - Smoke Set 3.6 (.142 in.)	A/R
7	43-3000	Plate - Smoke Set 2.2 (.087 in.)	A/R	*	54-8770	Plate - Smoke Set 3.7 (.146 in.)	A/R
*	54-8700	Plate - Smoke Set 2.3 (.091 in.)	A/R	*	43-3080	Plate - Smoke Set 3.8 (.150 in.)	A/R
*	43-3010	Plate - Smoke Set 2.4 (.095 in.)	A/R	*	43-3090	Plate - Smoke Set 4.0 (.157 in.)	A/R
*	54-8710	Plate - Smoke Set 2.5 (.098 in.)	A/R				
*	43-3020	Plate - Smoke Set 2.6 (.102 in.)	A/R				

*Not Illustrated

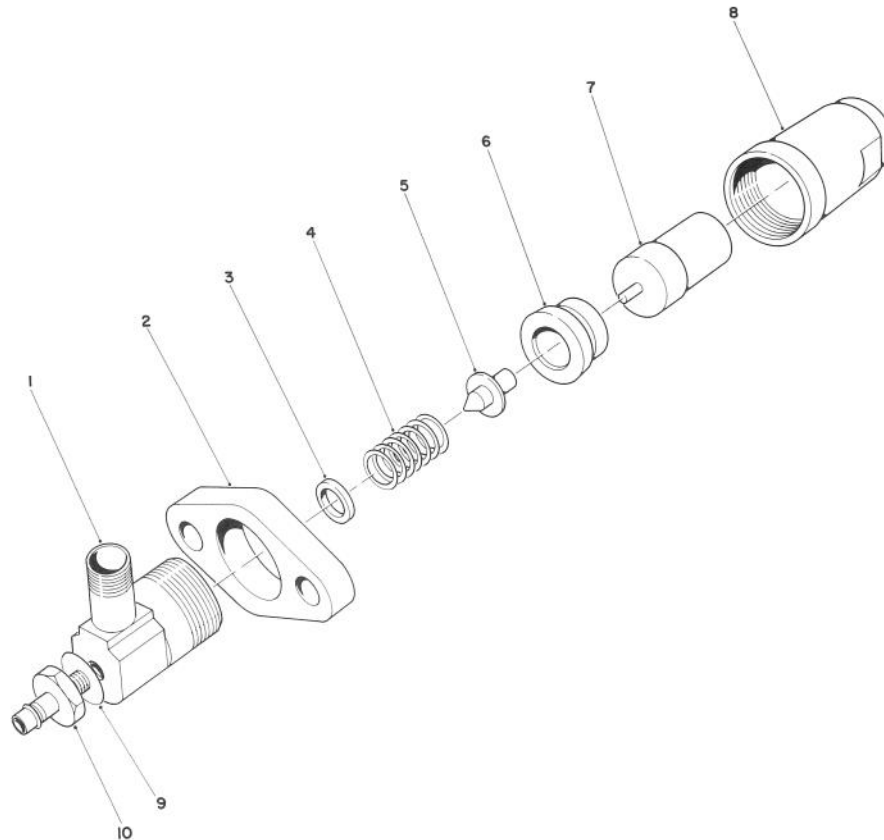


T-0435

FUEL INJECTION PUMP ASSEMBLY NO. 42-8000 (Cont.)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
8	42-8370	Screw - Air Breather	1	26	42-8390	Shim - Plate 0.6 (.0241 in.)	A/R
9	42-9770	Washer	1	*	42-8400	Shim - Plate 0.2 (.008 in.)	A/R
10	42-8380	Screw - Hollow	1	*	42-8410	Shim - Plate 0.3 (.0121 in.)	A/R
11	42-8260	Element Sub Assembly	3	*	42-8420	Shim - Plate 0.4 (.016 in.)	A/R
12	42-8250	Delivery Valve Sub Assy.	3	*	42-8430	Shim - Plate 0.5 (.020 in.)	A/R
13	42-8240	Gasket - Delivery Valve	3	*	42-8440	Shim - Plate 0.25 (.010 in.)	A/R
14	42-8230	Spring - Delivery Valve	3	*	42-8450	Shim - Plate 0.35 (.014 in.)	A/R
15	42-8330	O-Ring	3	*	43-6240	Shim - Plate 0.45 (.018 in.)	A/R
16	42-8220	Holder - Delivery Valve	3	*	54-8680	Shim - Plate 0.55 (.022 in.)	A/R
17	43-3150	Bolt/Washer - Assembled	2	*	54-8690	Shim - Plate 0.65 (.026 in.)	A/R
18	42-8360	Plate Assembly - Adjusting	2	27	42-8300	Tappet Sub Assembly	3
19	42-8340	Pin - Tappet Guide	3				
20	42-8350	Plate	1				
21	42-8310	Rack Assembly - Control	1				
22	42-8270	Sleeve - Plunger Control	3				
23	42-8280	Seat - Spring, Upper	3				
24	42-8290	Spring - Pump Plunger	3				
25	42-8320	Seat - Spring, Lower	3				

*Not Illustrated



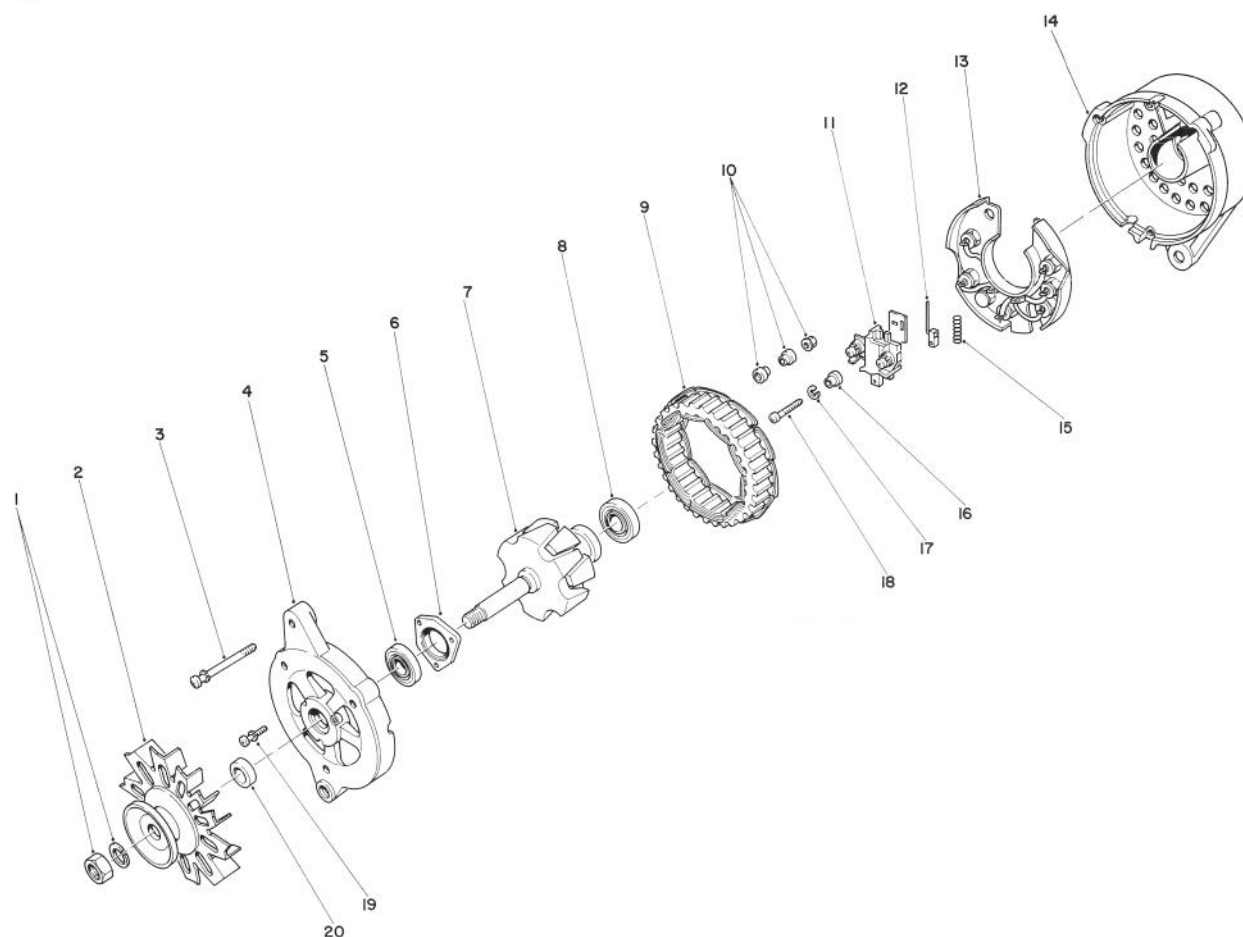
T-0436

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	42-8630	Spring - Pressure	3
5	42-8620	Pin - Pressure	3
6	42-8660	Piece - Distance	3
7	42-8680	Nozzle Assembly	3
8	42-8650	Nut - Retaining	3
9	42-9670	Washer	3
10	42-8640	Nipple	3

*Not Illustrated

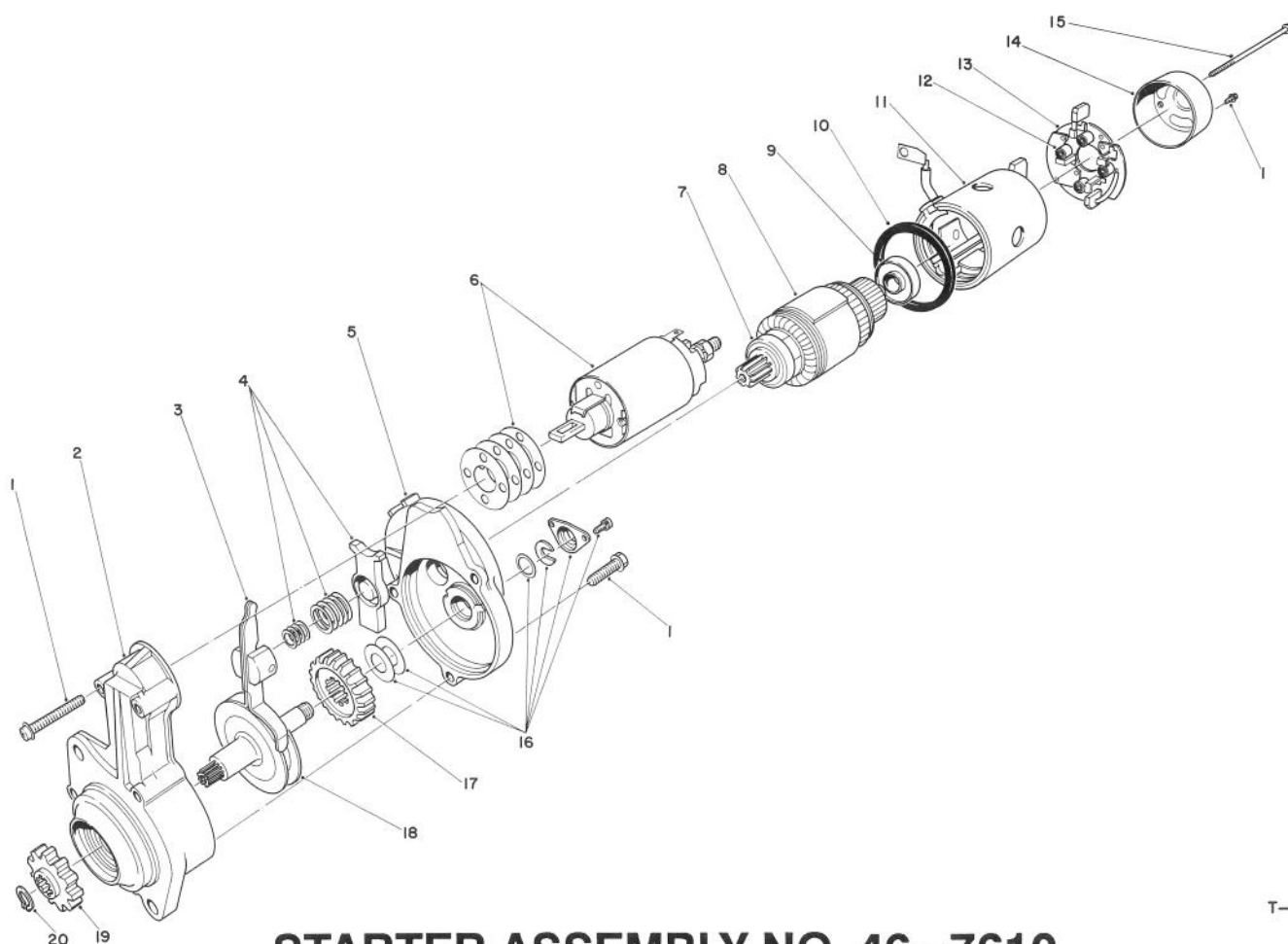


T-0437

ALTERNATOR ASSEMBLY NO. 43-0390

Ref. No.	Part No.	Description	No. Used
1	43-1920	Nut Set	1
2	43-0420	Pulley Assembly (Incl. Ref. #20)	1
3	43-0120	Screw - Set	1
4	43-0430	Bracket Assembly Front (Incl. Ref. #5-6 & 19)	1
5	43-0440	Bearing - Front	1
6		Plate - Bearing Retainer	1
7	43-0450	Rotor Assembly (Incl. Ref. #8)	1
8	43-0460	Bearing - Rear	1
9	43-0470	Stator	1
10	43-0080	Nut - Set	1

Ref. No.	Part No.	Description	No. Used
11	43-0490	Holder Assembly Brush (Incl. Ref. #12 & 15)	1
12	43-0500	Brush	2
13	43-0520	Rectifier Assembly	1
14	43-0480	Rear Bracket Assembly (Incl. Ref. #10-13 & 15-18)	1
15	43-0510	Spring - Brush	1
16	43-2720	Mold	1
17	43-5920	Washer - Lock	1
18	43-1890	Screw	1
19	43-0130	Screw - Set	1
20		Collar - Shaft	1



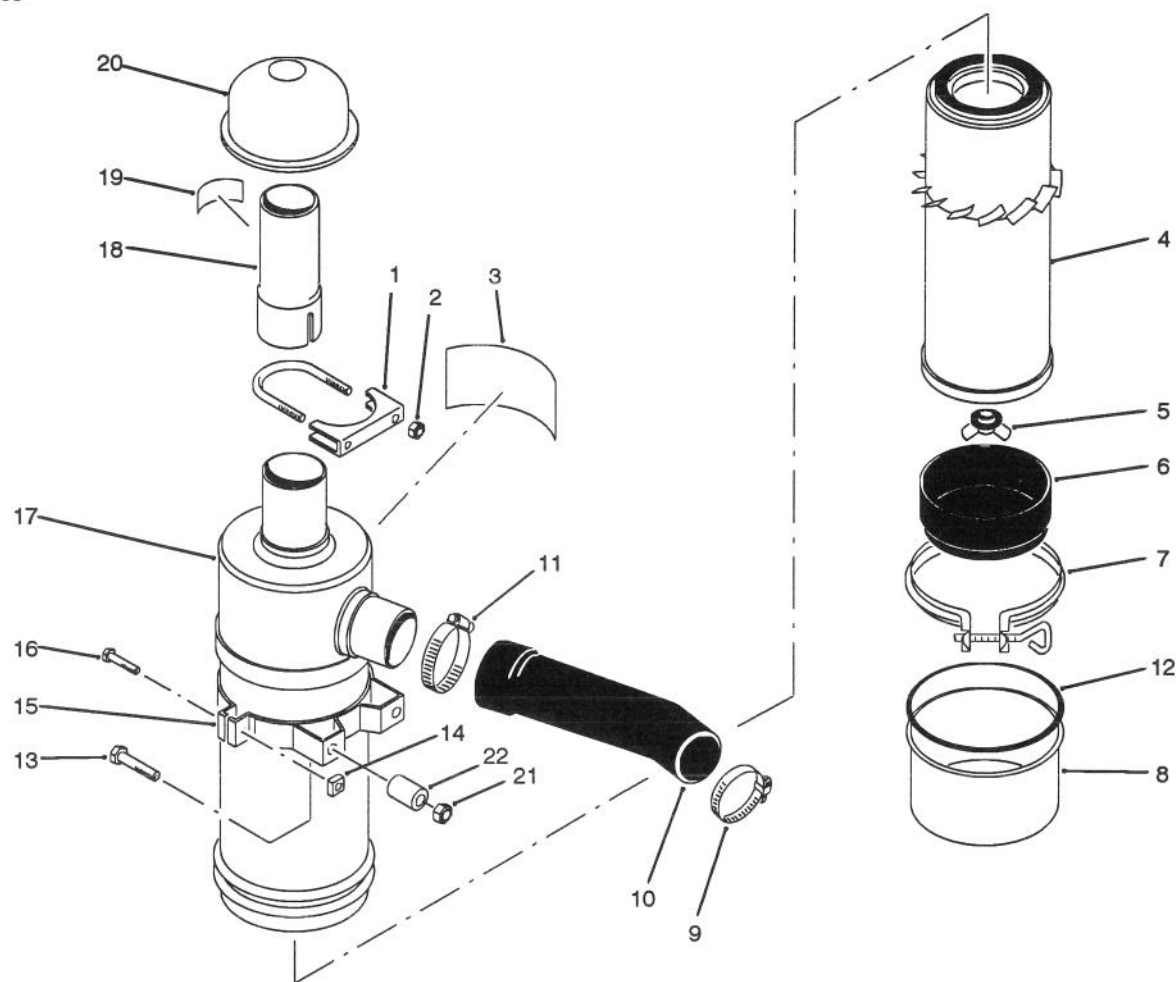
T-0438

STARTER ASSEMBLY NO. 46-7610

Ref. No.	Part No.	Description	No. Used
1	46-7620	Screw - Set	1
2	46-7630	Bracket Assembly - Front	1
3	46-7540	Lever Assembly	1
4	43-0190	Spring Set	1
5	46-7650	Bracket Assembly - Center	1
6	46-7660	Switch Assembly	1
7	46-7680	Bearing - Front	1
8	46-7670	Armature Set (Incl. Ref. #7 & 9)	1
9	46-7690	Bearing - Rear	1
10	46-8050	Packing	1
11	46-7780	Yoke Assembly	1
12	46-8030	Spring - Brush	4

Ref. No.	Part No.	Description	No. Used
13	46-7790	Brush Holder Assembly (Incl. Ref. #12)	1
14	46-8040	Bracket - Rear	1
15	46-7700	Bolt Set	1
16	46-7770	Cover Set	1
17	46-7760	Gear	1
18	46-7750	Shaft Assembly Pinion	1
19	46-7720	Pinion Set (Incl. Ref. #20)	1
20	46-7730	Snap Ring	1
*	46-7740	Gear Set (Incl. Ref. #17 & 18)	1
*	46-7710	Shaft Assembly - Clutch (Incl. Ref. #16-20)	1

*Not Illustrated

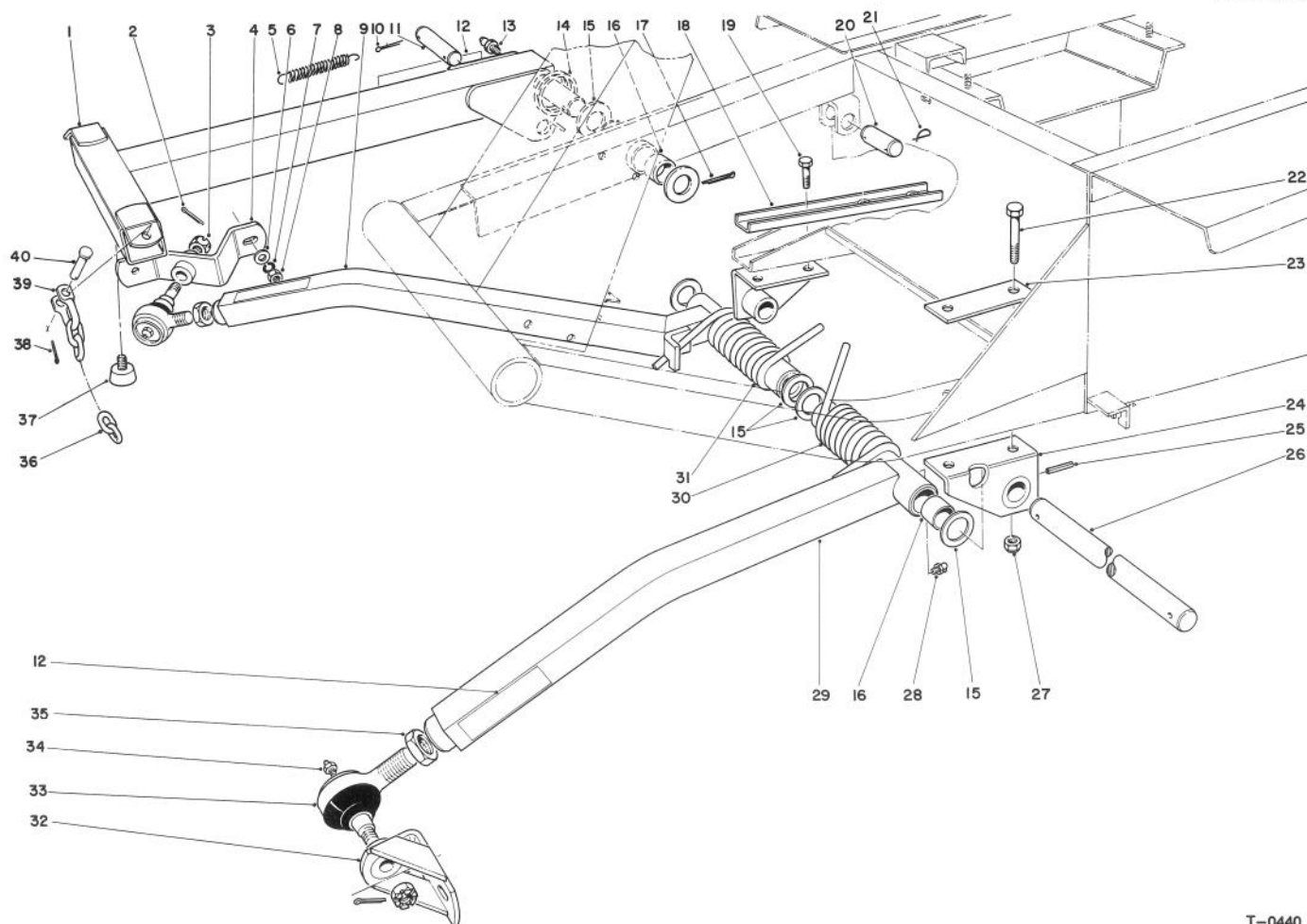


T-1188

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	20-4840	Muffler Clamp (Incl. Ref. #2)	1
2	3217-6	Nut	2
3	27-7160	Decal - Instructions	1
4	27-7110	Element Assembly	1
5	27-7120	Nut & Gasket Assembly	1
6	27-7140	Skirt - Baffle	1
7	27-7130	Clamp Assembly	1
8	27-7150	Cup Assembly	1
9	2412-3	Hose - Clamp	1
10	80-0060	Hose - Air Cleaner	1
11	2412-42	Hose Clamp	1
12	80-3330	Gasket	1

Ref. No.	Part No.	Description	No. Used
13	322-10	Screw - Cap Hex. Hd.	4
14	32107-11	Nut	2
15	27-7170	Band Assy. (Incl. Ref. #14 & 16)	2
16	3258-19	Screw - Mach. Rd. Hd.	2
17	27-7100	Air Cleaner Assembly (Incl. Ref. #3-8)	1
18	44-8950	Tube - Air Cleaner	1
19	67-1700	Decal - Starting Fluid	1
20	27-7180	Cap Assembly - Air Inlet	1
21	32128-20	Nut - Flange	4
22	77-3180	Spacer	4



T-0440

PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-6370	Lift Arm	1
2	3272-11	Pin - Cotter	2
3	32136-2	Nut	2
4	21-3020	Ball Joint Mount R.H.	1
5	21-1830	Spring Tension	1
6	3256-25	Washer - Flat	1
7	3253-6	Washer - Lock	2
8	3217-8	Nut - Full	2
9	66-7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1
10	3272-24	Cotter Pin	1
11	24-9510	Pin	1
12	61-3610	Warning Decal	3
13	302-5	Fitting - Grease	1
14	46-8840	Spring - Lift Arm	1
15	5-1754	Washer	6
16	256-126	Bushing	6
17	3272-33	Pin - Cotter	1
18	23-1950	Support - Reinforcement	1
19	324-4	Screw - Cap Hex. Hd.	2
20	3-7292	Pin	1

Ref. No.	Part No.	Description	No. Used
21	5-3126	Pin - Spring	3
22	324-12	Screw - Cap Hex. Hd.	2
23	21-3750	Support Plate	1
24	21-2860	Push Arm Bracket	2
25	32121-84	Pin - Roll	2
26	21-2990	Shaft - Pivot	1
27	32128-42	Nut	4
28	302-33	Fitting - Grease	2
29	21-2960	Push Arm L.H. (Incl. Ref. #16 & 28)	1
30	21-2900	Spring - Torsion L.H.	1
31	21-2890	Spring - Torsion R.H.	1
32	21-3050	Ball Joint Mount L.H.	1
33	86-8100	Ball Joint Assembly	2
34	302-5	Fitting - Grease	2
35	21-3000	Nut - Jam	2
36	3-1365	Chain - Lift	3
37	67-9800	Bumper	1
38	3272-10	Pin - Cotter	3
39	5-2942	Shackle	3
40	283-10	Pin	3

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-1365	Chain - Lift	53	36	3	21-8620	Lever Valve	32	2	1
3-3251	Spring - Compression	11	9	1	21-8640	Latch - Valve Lever	32	7	1
3-6498	Washer	9	18	A/R	21-9010	Pivot Mount - Valve Lever	32	11	1
3-6657	Clip	8	31	2	21-9260	Cover - Dust	13	4	1
3-6803	Washer	38	15	A/R	21-9370	Screw - Adjusting	19	16	2
3-7243	Spring - Extension	11	13	2	21-9380	Nut - Pivot	19	17	2
3-7292	Pin	53	20	1	21-9390	Socket - Adjusting Screw	19	15	2
3-8812	Spacer	9	19	1	21-9420	Spring - Shoe Return L.H.	19	19	2
4-2390	Washer	36	49	2	21-9430	Spring - Shoe Return R.H.	19	7	2
5-0652	Spacer	9	37	1	21-9440	Spring - Adjusting Screw	19	14	2
5-0652	Spacer	37	62	2	21-9450	Dust Shield	19	5	2
5-0701	Spring Anchor	10	52	1	21-9460	Retainer - Brake Lever	19	10	4
5-0838	Washer - Flat	6	58	3	22-7810	Spacer	16	19	1
5-1226	Washer	20	42	A/R	22-7820	Buzzer Assembly	3	36	1
5-1747	Spring	9	21	1	22-8330	Plug	35	1	2
5-1747	Spring - Compression	27	3	1	22-8340	Spring	35	3	2
5-1754	Washer	53	15	6	22-8350	Ball	35	4	2
5-2942	Shackle	53	39	3	22-8360	Pin - Cam	35	6	2
5-3126	Pin - Spring	53	21	3	22-8370	Seat - Check Valve	35	5	2
5-3637	Washer	36	17	1	22-8380	Spring Retainer	35	10	1
6-1659	Toggle Switch	3	19	1	22-8390	Spring Retainer	35	12	1
7-3900	Pad - Brake	11	1	1	22-8400	Spacer Float	35	13	1
11-0590	Screw - Hex. Hd. Tapping	11	5	2	22-8410	Spring	35	11	1
11-0590	Screw - Self Tapping	5	44	2	22-8420	Spool	35	8	1
11-9760	Screw - Self Tapping	29	60	3	22-8480	Spring Ring Spool	35	14	1
12-5450	Screw - Thread Forming	17	13	8	22-8490	Snap Ring	35	15	1
12-9990	Hour Meter	3	40	1	23-1950	Support - Reinforcement	53	18	1
14-4149	Hood	6	55	1	23-2240	Rod - Pump Control	11	17	1
18-1720	Ball Joint Assembly	36	3	2	23-2270	Bushing - Rubber	11	16	1
18-2770	Cable - Ground	2	53	1	23-5180	Dipstick	16	41	1
20-4840	Muffler Clamp	52	1	1	23-7270	Nut - Wheel	16	32	10
21-0141	Socket Assembly R.H.	11	26	1	24-6390	Stud - Battery Hold Down	1	16	2
21-0230	Pulley P.T.O.	9	13	1	24-6420	Hold Down - Battery	1	21	1
21-0400	Spring - Compression	9	48	1	24-8790	Gear - Bevel, Diff. Side	17	5	2
21-1600	Clamp P.T.O. Lever	10	54	1	24-8840	Ring - Wheel Bearing	19	21	2
21-1820	Stud - Belt Retainer	36	42	2	24-9180	Strut & Lever Parking Brake	19	4	2
21-1830	Spring - Tension	9	50	1	24-9510	Pin	53	11	1
21-1830	Spring Tension	53	\$	1	24-9740	Cover - Access Battery	1	32	1
21-1880	Grip Handle	9	1	1	24-9830	Support - Axle	18	44	1
21-2370	Wire - Hour Meter Ground	4	1	1	25-2380	Thrust Plate	31	50	2
21-2660	Footrest	1	6	1	25-2390	Motor Valve Plate	31	57	1
21-2760	Pad - Foot Rest L.H.	2	48	1	25-2400	Gasket	31	59	1
21-2770	Pad - Foot Rest R.H.	1	4	1	25-2410	Accel. Valve Assembly	30	17	2
21-2850	Mount - R.H. Pedal	11	4	1	25-2420	Center Section	31	55	1
21-2860	Push Arm Bracket	53	24	2	25-2430	Dowel Pin	31	52	2
21-2890	Spring - Torsion R.H.	53	31	1	25-2440	Pump Valve Plate	31	51	1
21-2900	Spring - Torsion L.H.	53	30	1	25-2450	Variable Swashplate	30	48	1
21-2960	Push Arm L.H.	53	29	1	25-2460	Plug - Hex. Hd.	30	28	2
21-2990	Shaft - Pivot	53	26	1	25-2470	Shim Pack	30	29	2
21-3000	Nut - Jam	53	35	2	25-2480	Valve Spring	30	44	1
21-3020	Ball Joint Mount R.H.	53	4	1	25-2490	Ball	30	9	2
21-3050	Ball Joint Mount L.H.	53	32	1	25-2500	Trunion Shaft	30	43	1
21-3370	Cable - R.H. Brake	11	*	1	25-2510	Washer - Flat	30	25	2
21-3380	Cable - L.H. Brake	11	15	1	25-2530	Headless Straight Pin	30	39	1
21-3600	Foam - Tank Support	16	3	1	25-2550	Charge Pump Housing	30	34	1
21-3610	Foam - Tank Support	16	21	1	25-2560	Relief Valve Cone	30	31	2
21-3750	Support Plate	53	23	1	25-2570	Valve Spring	30	30	1
21-7670	Case - Differential	18	35	1	25-2580	Trunion Shaft	30	26	1
21-7690	Gear - Pinion	17	6	2	25-2610	Accel. Valve Spring	30	16	1
21-7700	Shaft - Pinion, Mate	18	33	1	25-2620	By-Pass Valve	30	15	1
21-7720	Washer - Thrust	17	4	2	25-2630	Back-Up Ring	30	14	1
21-7730	Washer - Thrust	17	7	2	25-2640	Valve Spring	30	8	2
21-7770	Screw - Gear, Drive	18	34	5	25-2650	Check Valve Plug	30	6	2
21-7830	Cover - Gear	17	12	1	25-2680	Gerotor Assembly	30	38	1
21-8020	Spacer - Bearing, Pinion Ft.	18	27	1	25-3180	Check Valve Kit	30	11	2
21-8090	Shim .003 - Diff. Adjust.	18	40	A/R	25-3190	Charge Pump	30	40	1
21-8100	Shim .005 - Diff. Adjust.	18	39	A/R	25-3210	Lip Seal	30	24	2
21-8110	Shim .010 - Diff. Adjust.	18	38	A/R	25-8640	Screw - Machine	36	10	1
21-8120	Shim .030 - Diff. Adjust.	18	37	A/R	26-6740	Temperature Reset Relay	3	18	1
21-8180	Bearing	19	3	2	26-6750	Engine Temperature Gauge	3	15	1
21-8270	Pin - Dowel	17	3	2	27-1960	Hub - Engine	36	37	1
21-8320	Gasket - Wheel Bearing	19	20	2	27-2360	Key Switch	3	10	1
21-8360	Clip - Retaining	19	12	2	27-7100	Air Cleaner Assembly	52	17	1
21-8590	Link - Valve Lever	32	27	1	27-7110	Element Assembly	52	4	1

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27-7130	Clamp Assembly	52 7 1	42-7270	Gauge Assembly - Oil Level	44 22 1
27-7140	Skirt - Baffle	52 6 1	42-7280	Oil Pan Assembly	40 52 1
27-7150	Cup Assembly	52 8 1	42-7290	Gasket - Oil Drain Plug (18)	39 50 1
27-7160	Decal - Instructions	52 3 1	42-7300	Gasket - Oil Pan	40 53 1
27-7170	Band Assy.	52 15 2	42-7310	Bearing - Needle	41 3 1
27-7180	Cap Assembly - Air Inlet	52 20 1	42-7320	Bearing - Needle	41 2 1
27-7290	Decal - Power Take Off	1 12 1	42-7330	Case - Gear	41 4 1
27-7310	Decal - Refueling	2 36 1	42-7340	Gasket - Gear Case	41 5 1
27-7320	Decal - Traction Pedal	1 1 1	42-7390	Seal - Oil	42 82 1
27-7370	Brake Assembly P.T.O.	9 25 1	42-7400	Plug - Taper	41 1 1
27-7490	Pedal - L.H. Brake	11 41 1	42-7410	Plug - Taper	44 25 1
27-7510	Pedal - R.H. Brake	11 42 1	42-7410	Plug - Taper 1/8	39 37 1
27-7570	Pad - Left Turn	11 38 1	42-7420	Cap - Oil Filter	39 18 1
27-7580	Pad - Right Turn	11 2 1	42-7430	Pipe - Air Breather	39 16 1
27-7590	Mount - Brake	11 34 1	42-7440	Hanger - Engine	39 29 2
27-7640	Shaft - Brake Latch	11 36 1	42-7460	Guide - Valve	39 27 6
27-7900	Screw - Adjusting	9 35 1	42-7470	Gasket - Cylinder Head	40 63 1
27-8550	Pedal - Parking Brake	11 45 1	42-7480	Glow Plug	39 28 3
27-9270	Mount - Brake Pivot Shaft	11 35 1	42-7490	Seal - Oil	39 21 2
28-0650	Shaft - Flanged, Axle	19 1 2	42-7500	Cover Assembly - Rocker	39 23 1
28-0660	Screw - Cap Hex. Hd.	19 22 8	42-7510	Pipe	39 4 2
28-0670	Seal - Oil	19 8 2	42-7520	Gasket - Rocker Cover	39 24 1
28-0680	Brake Drum	19 13 2	42-7530	Label - Engine No.	39 22 1
28-1280	Boot - Cable	1 19 1	42-7540	Fitting - Water Outlet	39 15 1
28-5220	Wheel - Friction	11 25 1	42-7550	Gasket	39 9 2
28-9570	Lever - Pump	28 3 1	42-7650	Connecting Rod Assembly	42 49 3
29-6120	Plate - Pump	29 56 1	42-7660	Bearing Set	42 60 3
29-6150	Spring - Leaf	29 55 1	42-7670	Bearing Set	42 * 3
29-6163	Switch - Micro	28 4 1	42-7680	Bearing Set	42 * 3
29-6170	Spring - Leaf, Extended	29 54 1	42-7690	Bearing Set	42 *60 3
29-8910	Washer	38 12 2	42-7700	Gear - Crankshaft	41 10 1
30-2120	Screw - Cap Hex. Hd.	9 22 2	42-7710	Crankshaft	42 59 1
31-0390	Disc - Friction	13 31 1	42-7720	Pulley - Crankshaft	42 83 1
33-2570	Radiator Assembly	5 19 1	42-7730	Key - Woodruff	45 58 1
33-4380	Hub - Pump	28 23 1	42-7730	Key - Woodruff	42 62 2
37-8770	Bolt - Shoulder	36 4 1	42-7740	Nipple - Hose	39 11 1
37-9550	Strap - Fuel Tank	16 7 1	42-7780	Gear - Camshaft	45 57 1
37-9650	Trim	1 27 1	42-7790	Idle Gear Assembly	45 56 1
38-1650	Fuel Gauge	3 5 1	42-7810	Shaft - Injection Pump Cam	45 55 1
38-1660	Ammeter	3 12 1	42-7820	Bearing - Ball	45 53 1
38-1670	Clamp Mounting	3 2 2	42-7830	Gear - Injection Pump Cam	45 61 1
38-4530	Tool Box	2 42 1	42-7840	Key - Sunk	45 54 1
38-4550	Cover - Instruments	1 30 1	42-7850	Retainer - Valve Spring	41 20 6
38-4600	Bar - Frame LH	5 26 1	42-7860	Lock - Spring Retainer	41 21 12
38-7820	Bearing	38 5 2	42-7870	Seal - Valve Stem	41 18 6
39-8020	Trim - Cover Instruments	2 33 1	42-7880	Spring - Valve	41 19 6
41-8760	Gasket - Transmission	29 51 1	42-7890	Tappet	41 33 6
42-71 60	Pin - Dowel	44 21 1	42-7900	Valve - Intake	41 16 3
42-6080	Shim	38 30 A/R	42-7910	Valve - Exhaust	41 17 3
42-6080	Shim - Axle	16 30 A/R	42-7920	Rod - Push	41 32 6
42-7030	Pin - Dowel	41 13 2	42-7930	Spring - Rocker Shaft L.H.	41 41 1
42-7030	Pin - Dowel	44 47 2	42-7940	Arm - Rocker	41 22 6
42-7040	Seal - Side	42 65 4	42-7950	Washer - Seat	41 24 2
42-7050	Guide - Oil Level Gauge	44 18 1	42-7960	Shaft Assembly - Rocker	41 40 1
42-7060	Seal - Oil	42 55 1	42-7970	Stay - Rocker	41 23 3
42-7080	Cap - Sealing	41 15 2	42-7980	Screw - Adjusting	41 30 6
42-7080	Cap - Sealing (25)	39 30 3	42-7990	Ring - Snap	41 43 2
42-7090	Cap - Sealing	44 17 2	42-8000	Pump Assy. - Fuel Injection	44 2 1
42-7090	Cap - Sealing (45)	39 36 1	42-8010	Shim - 0.2 (.008 in.)	44 15 A/R
42-7100	Bushing - Camshaft	42 79 1	42-8020	Shim - 0.3 (.012 in.)	44 * A/R
42-7110	Shaft - Idler	41 11 1	42-8030	Shim - 0.4 (.016 in.)	44 * A/R
42-7120	Case - Oil Seal	42 57 1	42-8040	Shim - 0.5 (.020 in.)	44 * A/R
42-7130	Gasket - Oil Seal	42 58 1	42-8050	Shim - 0.6 (.024 in.)	44 * A/R
42-7150	Gasket - Front Plate	41 9 1	42-8060	Shim - 0.7 (.028 in.)	44 * A/R
42-7170	Plug - Expansion	44 51 1	42-8070	Shim - 0.8 (.032 in.)	44 * A/R
42-7180	Bushing - Knock	44 50 2	42-8080	Shim - 0.9 (.036 in.)	44 * A/R
42-7190	Bushing - Knock	45 72 2	42-8090	Shim - 1.0 (.039 in.)	44 * A/R
42-7200	Bushing - Knock	45 52 1	42-8100	Collar - Union	44 4 1
42-7210	Plug - Taper	41 12 3	42-8120	Gasket - Nozzle Holder	39 35 3
42-7210	Plug - Taper	44 36 1	42-8130	Pipe Assy. - Fuel Injection	44 7 1
42-7230	Bearing Set	42 64 1	42-8140	Pipe Assy. - Fuel Injection	44 11 1
42-7240	Bearing Set - Crankshaft	42 * 1	42-8150	Pipe Assy. - Fuel Injection	44 12 1
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42-8180	Fuel Return Pipe Assembly	44 33 1	42-9140	Gasket - Intake Manifold	39 7 1
42-8190	Joint	44 35 2	42-9150	Pipe Inlet	39 3 1
42-8220	Holder - Delivery Valve	48 16 3	42-9160	Gasket - Inlet Pipe	39 5 1
42-8230	Spring - Delivery Valve	48 14 3	42-9170	Gasket - Exhaust Manifold	39 39 1
42-8240	Gasket - Delivery Valve	48 13 3	42-9180	Wire - Glow Plug Lead	39 26 2
42-8250	Delivery Valve Sub Assy.	48 12 3	42-9190	Glow Lamp	3 14 1
42-8260	Element Sub Assembly	48 11 3	42-9200	Complete Gasket Set	40 * 1
42-8270	Sleeve - Plunger Control	48 22 3	42-9210	Bolt - Bearing Cap	42 67 8
42-8280	Seat - Spring, Upper	48 23 3	42-9220	Screw - Cap Hex. Hd.	42 56 6
42-8290	Spring - Pump Plunger	48 24 3	42-9230	Screw - Cap (8 x 16)	39 51 15
42-8300	Tappet Sub Assembly	48 27 3	42-9230	Screw - Cap Hex. Hd.	44 32 2
42-8310	Rack Assembly - Control	48 21 1	42-9230	Screw - Cap Hex. Hd.	38 34 1
42-8320	Seat - Spring, Lower	48 25 3	42-9230	Screw - Cap Hex. Hd.	42 81 3
42-8330	O-Ring	48 15 3	42-9240	Screw - Cap (12 x 28)	39 44 3
42-8340	Pin - Tappet Guide	48 19 3	42-9250	Screw - Cap Hex. Hd.	41 14 4
42-8350	Plate	48 20 1	42-9260	Plug - Oil Drain	39 49 1
42-8360	Plate Assembly - Adjusting	48 18 2	42-9300	Screw - Cap (10 x 20)	40 64 2
42-8370	Screw - Air Breather	48 8 1	42-9310	Screw - Cp, Hex. Hd.	39 1 4
42-8380	Screw - Hollow	48 10 1	42-9320	Bolt - Cylinder Head	39 31 8
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42-8410	Shim - Plate	48 * A/R	42-9360	Bolt	41 26 2
42-8420	Shim - Plate	48 * A/R	42-9370	Screw - Cap Hex. Hd.	41 42 1
42-8430	Shim - Plate	48 * A/R	42-9390	Bolt (8 x 32)	39 33 6
42-8440	Shim - Plate	48 * A/R	42-9400	Screw - Cap Hex. Hd.	46 28 3
42-8450	Shim - Plate	48 * A/R	42-9420	Bolt - High Speed Set	46 3 1
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42-8630	Spring - Pressure	49 4 3	42-9450	Bolt/Washer - Assembled	46 21 1
42-8640	Nipple	49 10 3	42-9470	Bolt - Connecting Rod	42 50 6
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42-8660	Piece - Distance	49 6 3	42-9490	Screw - Cap (6 x 12)	40 58 4
42-8670	Flange	49 2 3	42-9500	Screw - Cap (8 x 45)	40 55 3
42-8680	Nozzle Assembly	49 7 3	42-9500	Screw - Cap Hex. Hd.	43 87 8
42-8690	Metal - Sealing	46 1 1	42-9510	Screw - Cap (8 x 60)	40 59 1
42-8700	Wire	46 2 1	42-9510	Screw - Cap Hex. Hd.	36 46 2
42-8710	Weight Assy. - Governor	46 16 1	42-9520	Screw - Cap (8 x 30)	39 43 5
42-8720	Sliding Shaft Assembly	46 13 1	42-9530	Screw - Cap (8 x 40)	40 66 1
42-8730	Governor Lever Assembly	46 20 1	42-9570	Stud (8 x 25)	39 38 5
42-8740	Spring - Tie Rod	46 11 1	42-9580	Nut	36 19 2
42-8750	Tie Rod	46 12 1	42-9580	Nut	38 20 4
42-8760	Governor Shaft	46 22 1	42-9580	Nut	45 64 1
42-8770	Lever - Governor Spring	46 8 2	42-9580	Nut (8)	39 19 3
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42-8790	Cover Assembly	46 29 1	42-9590	Nut - Connecting Rod	42 61 6
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42-8810	Pin - Grooved	46 5 2	42-9600	Washer - Lock	38 25 4
42-8810	Pin - Grooved	46 32 1	42-9600	Washer - Lock	36 40 3
42-8820	Governor Spring	46 23 1	42-9600	Washer - Lock	40 65 2
42-8830	O-Ring	46 7 2	42-9600	Washer - Lock	40 67 2
42-8850	Oil Pump Assembly	45 * 1	42-9600	Washer - Lock M10	22 59 24
42-8860	Plunger - Relief	44 40 1	42-9600	Washer - Spring	41 25 3
42-8870	Plug	44 38 1	42-9620	Nut - Jam	41 29 6
42-8880	Gasket	44 37 1	42-9640	Nut - Jam	46 36 1
42-8900	Body - Oil Pump	44 48 1	42-9660	Washer - Flat	44 23 6
42-8910	Rotor Assembly - Oil Pump	44 45 1	42-9660	Washer - Plain (8)	40 54 4
42-8920	Cover - Oil Pump	44 44 1	42-9670	Washer	49 9 3
42-8930	Spring - Relief	44 39 1	42-9680	Washer	49 3 A/R
42-8940	O-Ring	44 46 1	42-9690	Washer	49 * A/R
42-8950	Gasket - Oil Pump Body	44 49 1	42-9700	Washer	49 * A/R
42-8960	Driven Unit - Speedometer	43 * 1	42-9710	Washer	49 * A/R
42-8970	Pin - Spring	41 35 1	42-9720	Washer	49 * A/R
42-8980	Sleeve - Gear	41 36 1	42-9730	Washer	49 *3 A/R
42-8990	O-Ring	41 37 1	42-9740	Washer	49 * A/R
42-9010	O-Ring	41 34 1	42-9750	Washer	49 * A/R
42-9020	Plate - Locking	42 63 1	42-9770	Washer	48 9 1
42-9030	Filter Assembly - Oil	44 42 1	42-9790	Washer - Head Bolt	39 32 8
42-9060	Oil Pressure Switch Assy.	44 41 1	42-9800	Washer	39 20 2
42-9070	Pulley - Water Pump	40 56 1	42-9810	Washer - Flat	43 86 1
42-9080	Water Pump Assembly	40 60 1	42-9820	Washer	45 73 1
42-9090	Gasket - Water Pump	40 61 1	42-9830	Washer - Seal	44 3 2
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43-0110	Screw - Cap Hex. Hd.	44 14 4	43-3320	Foam - Radiator	5 28 2
43-0120	Screw - Set	50 3 1	43-3330	Shroud - Radiator	5 17 1
43-0130	Screw - Set	50 19 1	43-3340	Plate - Sealing, Grille	5 42 1
43-0190	Spring Set	51 4 1	43-3350	Hose - Upper Radiator	5 13 1
43-0370	Shim	45 65 A/R	43-3510	Pulley - Engine	36 27 1
43-0380	Spacer	45 66 1	43-3530	Pulley Flywheel	38 26 1
43-0390	Alternator	45 67 1	43-3690	Fan - Shaft	38 2 1
43-0400	Brace - Alternator	45 71 1	43-3700	Hub - Fan	38 4 1
43-0410	Regulator Assembly	3 25 1	43-3720	Collar - Bearing	36 32 1
43-0420	Pulley Assembly	50 2 1	43-3730	Bracket Throttle Control	36 52 1
43-0430	Bracket Assembly Front	50 4 1	43-3760	Lever - Throttle	37 54 1
43-0440	Bearing - Front	50 5 1	43-3770	Link - Throttle	36 1 1
43-0450	Rotor Assembly	50 7 1	43-3780	Swivel - Throttle Control	36 9 1
43-0460	Bearing - Rear	50 8 1	43-3790	Bracket - Belt Guide	36 48 1
43-0470	Stator	50 9 1	43-3800	Bushing - P.T.O. Fork	9 23 2
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72-5480	Dowel	22 57 2	84-8610	Decal - Groundsmaster	5 4 2
72-5490	Seal - Oil	22 55 1	86-7040	Rod - Seat Prop	8 32 1
72-5500	Seal - Oil	22 54 1	86-7050	Bracket - Switch Actuator	10 73 1
72-5510	Gear Box - Axle	23 23 2	86-7220	Gear - Output, Trans.	29 52 1
72-5520	Case - Knuckle	23 38 2	86-7230	Gear - Spur	17 14 1
72-5540	Case - Knuckle	23 30 2	86-8100	Ball Joint Assembly	53 33 2
72-5550	Cover	23 26 2	86-9410	Bracket - Seat Support	6 59 1
72-5560	Pin - King, Knuckle	23 20 2	86-9610	Carrier Assembly	18 28 1
72-5570	Shaft - Axle, Outer	23 35 2	86-9630	Front Axle Assembly	16 35 1
72-5580	Gear - Bevel	23 5 4	88-0070	Plate - Floor	2 49 1
72-5590	Retainer - Bearing	23 15 2	88-0470	Tube - Pedal Spacer	12 49 1
72-5600	Washer - Thrust	23 21 2	88-0530	Pedal - Traction	11 18 1
72-5620	Gasket	23 1 4	88-1640	Pin - Traction Pedal	11 20 1
72-5630	Gasket	23 16 2	88-1650	Shaft - Traction Pedal	11 22 1
72-5640	Bearing - Needle	23 22 2	88-1670	Bracket - Pivot	11 23 1
72-5650	Hub - Wheel	23 34 2	88-1680	Bracket - Footrest	11 48 1
72-5660	Washer - Shaft, Wheel	23 33 2	88-1710	Footrest	12 50 1

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88-1730	Pad - Front Pedal	11 47 1	2412-74	Clamp	2 38 1
88-1740	Pad - Pedal Rear	11 19 1	2412-79	Clamp	16 14 1
88-1790	Wire Harness Assembly	4 2 1	2412-79	Clamp	36 15 1
88-3370	Spacer - Sealing Plate	27 18 1	2412-79	Clamp - Hose	44 34 8
88-3370	Spacer - Sealing Plate	6 62 1	2412-108	Clamp - Hose	32 28 2
88-3390	Plate - Sealing	5 37 1	2412-108	Clamp - Worm Drive	36 14 1
92-1676	Gear & Pinion Assembly	18 * 1	2412-108	Hose Clamp	7 1 5
92-1773	Screw - Cap Hex. Hd.	17 11 4	2412-127	Clamp	5 6 4
92-1774	Seal - Oil	19 2 2	2412-133	R-Clamp	8 3 2
212-93	Wire Clip	8 18 2	251-8	Bearing - Ball	23 6 2
212-93	Wire Clip	10 53 1	251-8	Bearing - Ball	30 46 1
217-106	Wheel	20 24 2	251-234	Lock Collar	9 41 2
217-116	Rim - 23x10.5x12	16 * 2	251-252	Ball Bearing	9 40 2
217-117	Rim	16 33 2	251-252	Bearing - Ball	36 33 1
218-461	Nut - Jam	8 29 1	251-259	Bearing - Ball	28 10 1
218-461	Nut - Jam	10 70 2	251-263	Bearing - Ball	23 25 2
218-473	Toggle Switch Boot	3 17 1	251-344	Bearing - Ball	21 4 1
218-515	Mounting Bracket	3 39 1	251-345	Bearing - Ball	21 13 1
218-533	Lens	3 9 1	251-346	Bearing - Ball	22 49 2
218-539	Clamp	3 13 1	251-347	Bearing - Ball	23 12 2
231-90	Tube - Inner	16 * 2	251-348	Bearing - Ball	23 3 2
231-95	Tire - 23x10.5x12	16 * 2	251-349	Bearing - Ball	23 17 2
231-122	Tire	20 22 2	251-350	Bearing - Ball	21 18 2
231-138	Tire - 6 Ply	16 31 2	252-82	Bearing - Bearing	30 23 2
232-27	Valve Stem	16 * 1	253-155	Seal	20 34 2
232-31	Stem - Valve	20 25 2	254-65	Cone - Bearing, Tapered	18 30 2
232-31	Valve Stem w/Cap	16 34 2	254-66	Cup - Bearing, Tapered	18 29 2
233-17	Knob	11 11 1	254-90	Cup - Bearing	18 26 1
233-21	Knob	27 1 1	254-91	Cone - Bearing	17 25 1
233-21	Knob	32 3 1	254-108	Bearing - Roller, Tapered	21 31 1
233-21	Knob - Handle	13 35 1	254-109	Bearing - Roller, Tapered	21 32 1
233-35	Knob	3 7 2	256-10	Bushing	11 43 4
237-7	Seal - O-Ring	8 28 1	256-113	Bushing - Flange	9 47 4
237-7	Seal - O-Ring	10 69 1	256-126	Bushing	53 16 6
237-21	O-Ring	28 14 3	256-156	Bushing	11 6 5
237-22	O-Ring	30 13 1	281-1	Plug - Taper	44 16 1
237-22	O-Ring	25 20 2	281-7	Plug - Pipe, Square Hd.	23 37 2
237-22	O-Ring	32 29 2	281-10	Plug - Socket, Hex.	23 27 2
237-22	O-Ring	29 64 1	282-17	Clevis	27 8 1
237-22	Seal - O-Ring	13 20 3	283-3	Pin - Clevis	27 9 1
237-30	O-Ring	32 30 2	283-8	Clevis Pin	9 26 1
237-30	O-Ring	29 65 1	283-10	Pin	53 40 3
237-30	Seal - O-Ring	9 4 1	283-17	Pin	32 26 1
237-30	Seal - O-Ring	13 13 3	283-17	Pin - Clevis	27 12 1
237-30	Seal - O-Ring	8 23 1	283-42	Clevis Pin	9 7 1
237-42	O-Ring	35 2 2	283-58	Pin - Clevis	11 14 2
237-42	O-Ring	32 31 2	283-76	Pin - Lynch	6 60 1
237-42	O-Ring	29 63 2	284-3	Plug - Welch	20 36 1
237-78	O-Ring	28 16 2	285-17	Pipe Plug	30 12 6
237-78	O-Ring	25 30 2	289-37	Nipple - Pipe	16 40 1
237-78	O-Ring	32 32 2	2811-9	Street Elbow	16 39 1
237-80	O-Ring	30 33 1	302-2	Grease Fitting	9 39 1
237-80	O-Ring	28 38 1	302-5	Fitting - Grease	53 13 1
237-81	O-Ring	28 40 3	302-5	Fitting - Grease	20 32 1
237-86	O-Ring	30 7 4	302-5	Fitting - Grease	53 34 2
237-95	O-Ring	30 41 1	302-5	Fitting - Grease	11 44 2
237-141	Bumper - Radiator	6 52 2	302-10	Fitting - Grease	36 31 1
242-34	Stud - Flanged, Axle	19 11 10	302-10	Grease Fitting	9 10 1
249-21	Clamp - Hook	1 14 3	302-11	Fitting - Grease	20 11 1
249-39	Latch - Draw Flexible	5 24 1	302-33	Fitting - Grease	53 28 2
249-40	Keeper	6 56 1	302-55	Fitting - Grease	34 1 2
2412-3	Clamp - Hose	5 14 4	302-55	Fitting - Grease	33 2 2
2412-3	Hose - Clamp	52 9 1	302-55	Fitting - Grease	20 6 3
2412-4	Clamp	16 23 1	302-58	Fitting - Grease	24 4 1
2412-4	Clamp	1 25 3	302-58	Fitting - Grease	10 61 1
2412-6	Clamp	16 17 2	304-46	Drain Cock	5 25 1
2412-31	Clamp - Bodine	36 6 1	304-73	Fitting - Straight Barb	32 23 1
2412-34	Clamp - Hose	28 47 2	304-73	Hose Barb	7 19 1
2412-36	Clamp	13 24 2	304-75	Fitting - 90° Barb	32 20 1
2412-36	Clamp Hose	32 16 1	304-96	90° Hose Barb	7 2 1
2412-39	Clamp	25 24 2	321-2	Screw - Cap Hex. Hd.	28 35 2
2412-39	Clamp	5 40 1	321-3	Screw - Cap Hex. Hd.	38 36 4
2412-42	Hose Clamp	52 11 1	321-4	Screw - Cap Hex. Hd.	7 4 2

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321-4	Screw - Cap Hex. Hd.	3 30 2	3234-12	Screw - Lock Flange	38 33 2
321-4	Screw - Cap Hex. Hd.	10 72 1	3234-14	Screw - Cap Hex. Hd.	8 6 5
321-4	Screw - Cap Hex. Hd.	28 36 2	3234-14	Screw - Cap Hex. Hd.	2 46 2
321-6	Screw - Cap Hex. Hd.	7 12 2	3234-14	Screw - Flange Hex. Hd.	25 6 2
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321-6	Screw - Cap Hex. Hd.	3 44 1	3234-17	Screw - Cap Hex. Hd.	13 8 2
321-6	Screw - Cap Hex. Hd.	29 67 2	3234-17	Screw - Cap Hex. Hd.	8 16 4
321-23	Screw - Cap Hex. Hd.	32 14 5	3234-18	Screw - Cap Hex. Hd.	37 60 1
322-2	Screw - Cap Hex. Hd.	8 21 2	3234-24	Screw - Flange Hex. Hd.	25 18 3
322-4	Screw - Cap Hex. Hd.	30 37 4	3234-25	Screw - Flange Hex. Hd.	25 27 4
322-4	Screw - Cap Hex. Hd.	13 43 1	3234-32	Screw - Flange Hex. Hd.	25 8 6
322-5	Screw - Cap Hex. Hd.	25 12 2	3234-32	Screw - w/Locking Flange	8 11 2
322-5	Screw - Cap Hex. Hd.	3 29 2	3241-5	Screw - Set, Sq. Hd.	28 25 2
322-5	Screw - Cap Hex. Hd.	2 37 1	3245-1	Screw - Set Socket Head	36 36 2
322-6	Screw - Cap Hex. Hd.	5 43 1	3245-1	Set Screw	9 46 2
322-8	Screw - Cap Hex. Hd.	28 30 6	3246-3	Set Screw	9 29 4
322-8	Screw - Cap Hex. Hd.	20 44 2	3249-11	Screw - Mach. Rd. Hd.	28 5 2
322-9	Screw - Cap Hex. Hd.	10 65 2	3250-17	Screw - Pan Hd.	3 22 2
322-10	Screw - Cap Hex. Hd.	52 13 4	3253-3	Washer - Lock	16 5 2
322-10	Screw - Cap Hex. Hd.	28 34 2	3253-3	Washer - Lock	24 8 6
322-17	Screw - Cap Hex. Hd.	28 11 1	3253-3	Washer - Lock	38 35 4
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323-6	Screw - Cap Hex. Hd.	18 46 1	3253-3	Washer - Lock	36 51 3
323-7	Screw - Cap Hex. Hd.	28 43 2	3253-4	Washer - Lock	1 9 2
323-9	Screw - Cap Hex. Hd.	20 21 2	3253-4	Washer - Lock	38 21 5
323-13	Screw - Cap Hex. Hd.	30 3 4	3253-4	Washer - Lock	36 47 2
323-13	Screw - Cap Hex. Hd.	11 32 2	3253-6	Washer - Lock	53 7 2
323-14	Screw - Cap Hex. Hd.	5 32 3	3253-17	Washer - Lock	3 3 6
324-4	Screw - Cap Hex. Hd.	53 19 2	3253-17	Washer - Lock	16 9 1
324-11	Screw - Cap Hex. Hd.	38 27 2	3253-21	Washer - Lock	11 29 4
324-12	Screw - Cap Hex. Hd.	53 22 2	3253-21	Washer - Lock	16 38 2
324-12	Screw - Cap Hex. Hd.	36 38 2	3253-21	Washer - Lock	28 44 2
328-25	Screw - Cap Hex. Hd.	25 23 1	3253-21	Washer - Lock	18 45 1
329-7	Screw - Cap Hex. Hd.	36 53 1	3253-21	Washer - Lock	10 55 4
3210-7	Screw - Cap Hex. Hd.	20 5 1	3254-2	Washer - Lock Int. Tooth	36 18 2
3210-7	Screw - Cap Hex. Hd.	28 9 1	3254-2	Washer - Lock Int. Tooth	3 24 6
3210-7	Screw - Cap Hex. Hd.	17 19 8	3254-2	Washer - I.T.L.W.	2 52 1
3217-5	Nut	36 50 1	3254-7	Washer - Lock	9 15 1
3217-6	Nut	52 2 2	3254-9	Washer - Lock	29 58 2
3217-6	Nut	1 11 2	3255-5	Washer - Lock	3 38 1
3217-6	Nut - Hex	3 32 2	3255-7	Washer - Lock Ext. Tooth	3 31 3
3217-6	Nut - Hex	29 57 2	3255-7	Washer - Lock	29 59 3
3217-7	Nut - Hex	11 28 2	3255-7	Washer - Lock Ext. Tooth	7 21 2
3217-8	Nut - Full	53 8 2	3255-8	Washer - Lock	17 2 8
3217-9	Nut - Hex.	18 42 2	3255-9	Washer - E.T.L.W.	37 61 1
3217-26	Nut	3 37 1	3256-1	Washer - Flat	3 45 1
3218-5	Nut - Jam	11 3 2	3256-3	Washer - Flat	28 32 4
3218-7	Nut - Jam	13 42 1	3256-3	Washer - Flat	13 28 4
3219-1	Nut	36 2 5	3256-6	Washer - Flat	9 20 1
3219-2	Nut	17 1 8	3256-6	Washer - Flat	18 43 2
3219-2	Nut - Hex	28 8 1	3256-6	Washer - Flat	29 61 1
3219-3	Nut	9 33 1	3256-14	Washer - Flat	3 35 1
3219-7	Nut	9 16 1	3256-22	Washer - Flat	11 8 1
3219-14	Nut	3 1 6	3256-22	Washer - Flat	36 8 1
3219-14	Nut	16 10 1	3256-23	Washer - Flat	8 9 1
3220-1	Nut - Jam	27 10 3	3256-23	Washer - Flat	8 22 2
3220-3	Nut - Jam	11 27 1	3256-25	Washer - Flat	53 6 1
3220-5	Nut - Jam	20 4 1	3256-26	Washer - Flat	11 40 1
3220-5	Nut - Jam	11 46 1	3256-28	Washer - Flat	9 14 4
3220-6	Nut	14 27 1	3256-41	Washer - Flat	9 36 3
3229-1	Bolt - Carriage	2 40 5	3256-46	Washer - Flat	13 26 2
3230-1	Bolt - Carriage	12 52 2	3256-64	Washer - Flat	36 25 4
3230-2	Bolt - Carriage	16 29 3	3257-5	Woodruff Key	9 11 3
3231-21	Bolt - Carriage	11 31 2	3257-30	Key - Woodruff	38 3 2
3233-14	Bolt - Carriage	38 9 1	3257-32	Key - Woodruff	30 21 1
3234-1	Screw - Flange, Hex. Hd.	5 18 2	3257-32	Key - Woodruff	28 24 1
3234-11	Screw - Cap Hex. Hd.	11 39 3	3257-33	Key - Woodruff	36 30 1
3234-11	Screw - Cap Hex. Hd.	38 31 4	3258-19	Screw - Mach. Rd. Hd.	52 16 2
3234-11	Screw - Cap Hex. Hd.	36 45 4	3269-10	Washer - Backup	5 10 2
3234-11	Screw - Cap Locking Fl.	1 26 5	3272-1	Pin - Cotter	27 11 2
3234-11	Screw - Flange	5 39 2	3272-5	Pin - Cotter	11 7 3
3234-11	Screw - Flange, Hex. Hd.	27 5 1	3272-6	Pin - Cotter	32 8 1

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3272-10	Cotter Pin	9 8 1	32121-34	Pin - Roll	9 45 2
3272-10	Pin - Cotter	28 1 1	32121-73	Pin - Slotted Spring	32 9 1
3272-10	Pin - Cotter	53 38 3	32121-84	Pin - Roll	53 25 2
3272-11	Cotter Pin	9 28 1	32121-91	Pin - Coil Spring	30 49 3
3272-11	Pin - Cotter	53 2 2	32122-16	Screw - Truss Hd.	27 17 1
3272-11	Pin - Cotter	20 9 3	32122-16	Screw - Truss Hd.	6 61 1
3272-16	Pin - Cotter	38 14 2	32128-17	Nut - Lock Flange Hd.	3 26 3
3272-17	Pin - Cotter	23 31 2	32128-20	Nut - Flange	52 21 4
3272-22	Cotter Pin	9 17 2	32128-20	Nut - Flange	16 37 3
3272-24	Cotter Pin	53 10 1	32128-20	Nut - Flange	13 41 1
3272-33	Pin - Cotter	53 17 1	32128-20	Nut - Lock Flange	2 39 1
3274-8	Screw - Cap Hex. Hd.	20 39 6	32128-20	Screw - Flange Hex. Hd.	5 29 11
3274-8	Screw - Cap Soc. Hd.	24 7 6	32128-21	Nut - Flange	25 25 4
3274-47	Screw - Flat Hd. Socket	11 33 1	32128-21	Nut - Flange	5 36 4
3274-69	Screw - Hex. Socket Hd.	6 57 6	32128-21	Nut - Flange, Lock	27 14 1
3290-134	Screw - Hex. Hd. Mach.	3 4 2	32128-21	Nut - Lock Flange	1 7 6
3290-144	Screw - Machine	1 13 6	32128-23	Nut - Lock Flange	25 10 4
3290-224	Washer - Lock	37 59 1	32128-23	Nut - Lock Flange	38 16 1
3290-271	Rivet	5 11 4	32128-23	Nut - Lock Flange	36 24 2
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3290-357	Nut - Lock Flange	8 14 6	32128-32	Nut - Flange	5 9 8
3290-357	Nut - Lock Flange	1 24 5	32128-33	Nut - Lock Flange	2 41 5
3290-357	Nut - Lock Flange	36 43 7	32128-37	Nut - Lock Flange	38 23 2
3290-378	Cable Tie	7 8 A/R	32128-37	Nut - Lock Flange	36 44 2
3290-378	Tie - Cable	1 22 2	32128-42	Nut	53 27 4
3290-379	Cable Tie	36 16 1	32128-45	Nut - Flange	25 31 1
3290-379	Cable Tie	3 41 1	32136-2	Nut	53 3 2
3290-379	Tie - Cable	13 16 3	32136-3	Nut - Hex. Slotted	38 13 2
3290-379	Tie - Cable	5 31 4	32136-13	Nut - Slotted	20 10 3
3290-379	Tie - Cable	25 34 1	32144-10	Screw - Hex. Hd. Self Tap	8 33 2
3290-424	Screw - Hex. Hd. Mach.	3 28 1	32144-10	Screw - Hex. Self Tapping	32 4 2
3296-2	Nut - Lock	1 18 6	32144-10	Screw - Hex. Thd. Form	13 6 6
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3296-6	Nut - Lock	9 34 1	32144-10	Screw - Thread Forming	25 17 2
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3296-20	Nut - Lock	36 5 1	32144-53	Screw - Thread Forming	16 11 5
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3296-29	Nut - Lock	28 7 1	32149-2	Nut	7 9 2
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3296-43	Nut - Lock	20 3 1	32152-1	Nut - Lock Flange	36 12 1
3296-59	Nut - Lock	27 19 1	32153-2	Nut - Hex.	13 11 2
3296-59	Nut - Lock	6 63 1	32153-2	Nut - Lock	11 30 2
32103-2	Nut - Wing	1 17 3	32153-2	Nut - Lock	37 57 1
32103-2	Nut - Wing	5 51 2	340-54	Fitting	25 29 1
32104-6	Screw - Hex. Hd. Tapping	10 56 4	340-70	Nut - Lock Bulkhead	5 34 2
32104-6	Screw - Self Tapping	16 1 2	340-71	Union - Bulkhead	5 33 2
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32120-8	Ring - Retaining	30 1 1	340-99	Elbow - Fitting	28 22 1
32120-11	Ring - Retaining	30 47 1	340-99	Fitting - 90° Elbow	32 12 1
32120-15	Ring - Retaining	30 45 1	340-107	Fitting - Straight	28 13 2
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32120-69	Ring - Retaining External	36 35 1	340-143	Elbow - Swivel	28 15 1
32120-72	Ring - Retaining	29 53 1	353-508	Plug - Drain	28 49 1
32121-5	Pin - Roll	27 7 1	353-512	Plug	32 1 1
32121-6	Pin - Roll	29 62 1	353-550	Plug - Hex. Hd.	30 19 2
32121-9	Pin - Roll	9 49 1	353-551	Plug - Hex. Hd.	30 32 1
32121-15	Pin - Roll	18 32 1	353-702	Hose Barb	7 18 1
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*Not Illustrated

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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 322D 4 Wheel Drive has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 322D 4 Wheel Drive — supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer — supply the following information:

1. Model and serial number of the Groundsmaster 322D 4 Wheel Drive.
2. Part number — description — and the quantity of part(s) desired.

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

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