

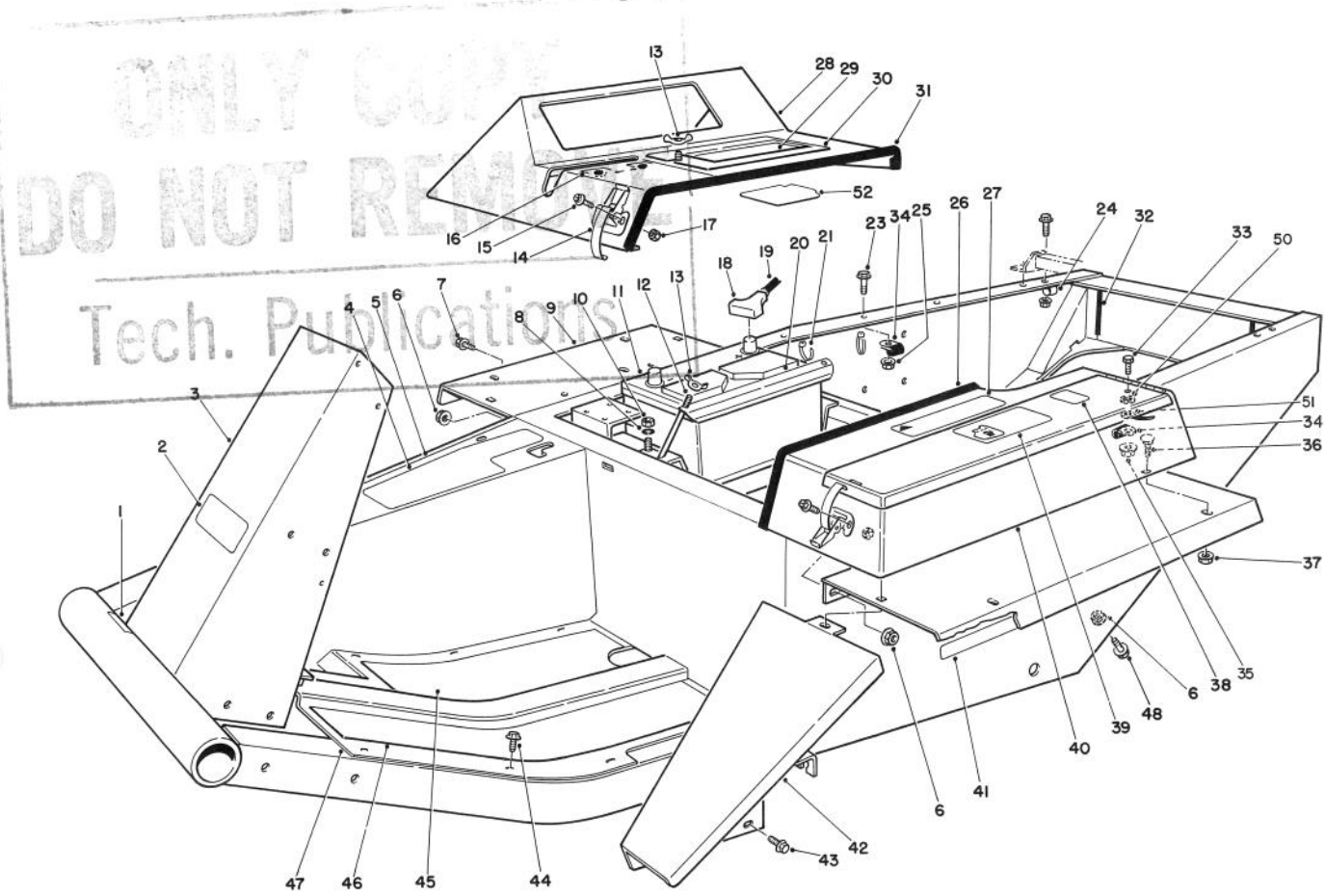


**MODEL NO. 30789-40501**

**PARTS CATALOG**

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**GROUNDMASTER® 345 TRACTION UNIT**



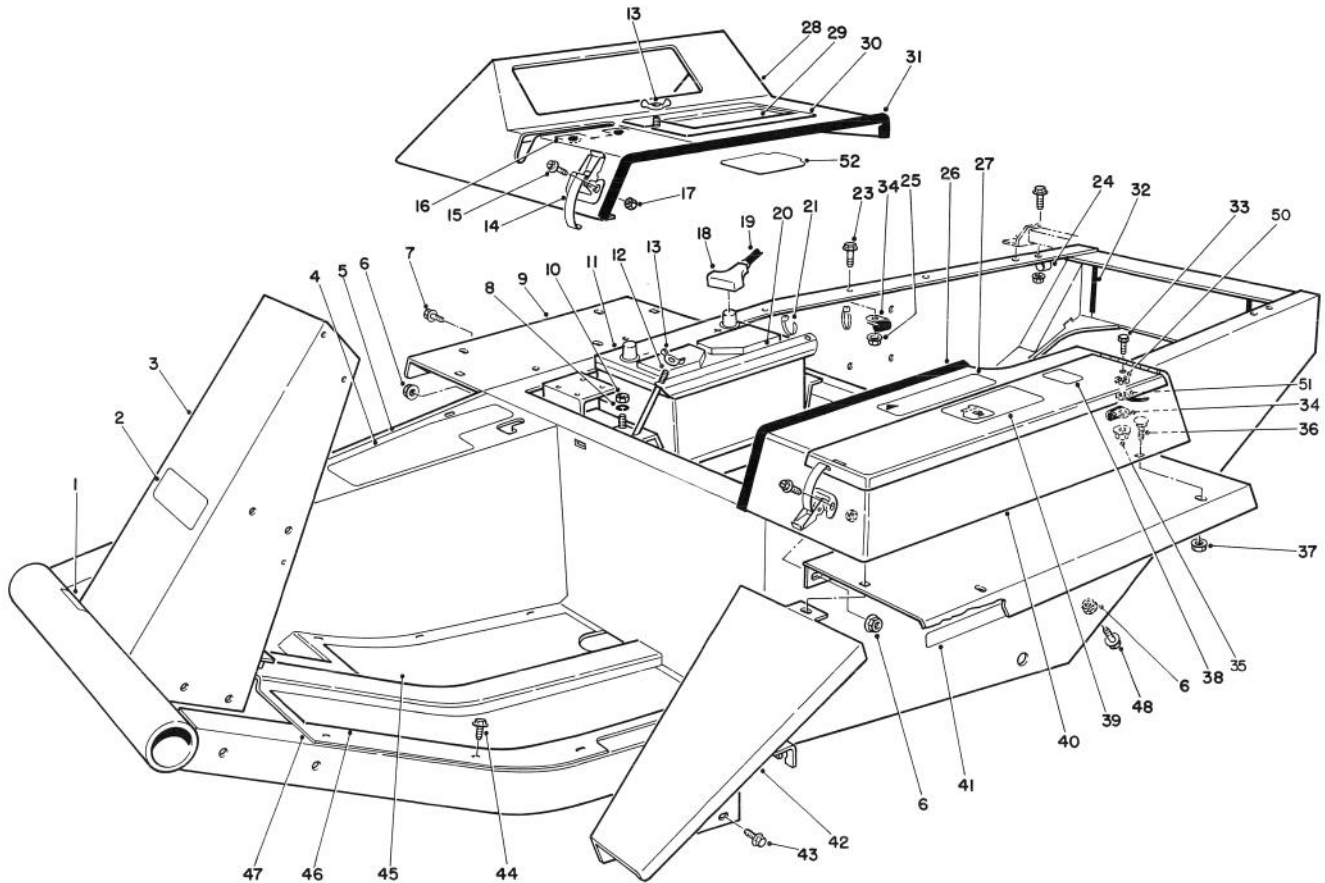
T-09138

**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. #48)	1
4	66-6390	Decal - Caution	1
5	21-2660	Footrest	1
6	32128-21	Nut - Lock, Flange	10
7	3234-12	Screw - Flange Hex. Hd.	4
8	3253-4	Washer - Lock	2
9	72-3690	Fender	2
10	3217-6	Nut	2
†11		Battery (Group Size 24)	1
12	24-6390	Stud - Battery Hold Down	2
13	32103-2	Nut - Wing	2
14	249-21	Hook Clamp	3
15	3290-144	Screw - Machine	6

Ref. No.	Part No.	Description	No. Used
16	27-7290	Decal - Power Take Off	1
17	3296-2	Nut - Lock	6
18	28-1280	Boot - Cable	1
†19		Cable - Battery Positive	1
20	24-6420	Hold Down - Battery	1
21	3290-378	Cable Tie	2
23	3234-11	Capscrew w/Locking Flange	5
24	2412-39	Clamp	2
25	3290-357	Nut - Lock, Flange	5
26	37-9650	Trim	1
27	67-1710	Decal - Caution	1
28	38-4550	Instrument Cover	1
29	92-7802	Decal - Starting Instructions	1
30	92-7800	Cover - Battery Access (Incl. Ref. #29 & 52)	1
31	39-8020	Trim - Instrument Cover	1

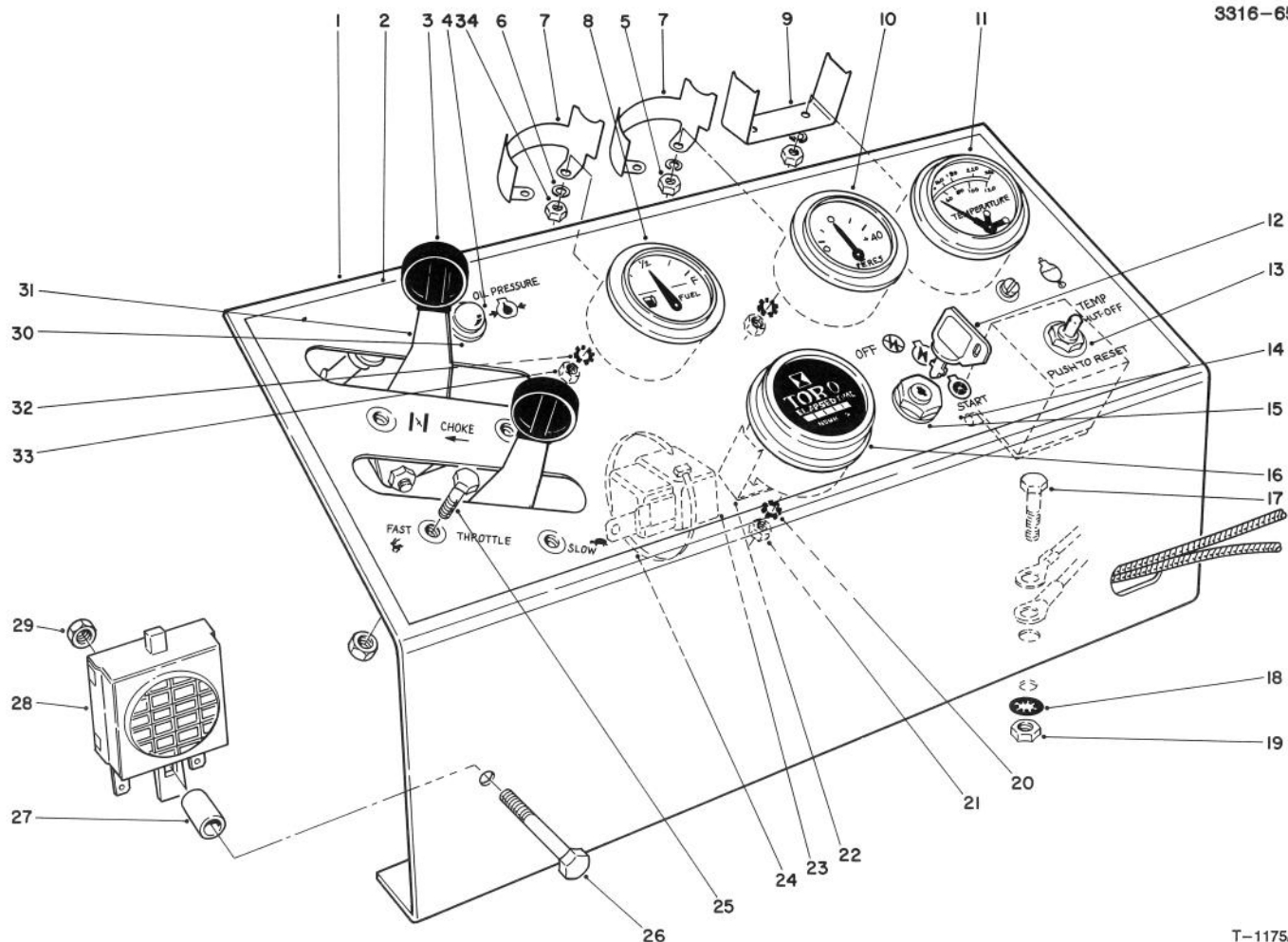
†Obtain Locally



T-0913B

## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
32	43-4300	Trim - Rear Frame	2	42	68-8610	Fender - Extension	1
33	322-5	Screw - Cap, Hex. Hd.	1	43	3234-14	Screw - Cap, Hex. Hd.	2
34	2412-74	Clamp	2	44	32144-10	Screw - Self Tapping	11
35	32128-20	Nut - Lock, Flange	1	45	21-2770	Pad - Foot Rest R.H.	1
36	3229-1	Bolt - Carriage	5	46	21-2760	Pad - Foot Rest L.H.	1
37	32128-13	Nut - Lock, Flange	5	47	88-0070	Floor Plate	1
38	53-4420	Decal - Fuel	1	48	3234-25	Screw - Hex. Flange Hd.	4
39	27-7310	Decal - Refueling	1	50	3254-2	Washer - Lock Internal	1
40	38-4530	Tool Box	1	51	18-2770	Cable - Ground	1
41	67-1720	Decal - Torque	2	52	92-7801	Shield - Cover, Battery	1

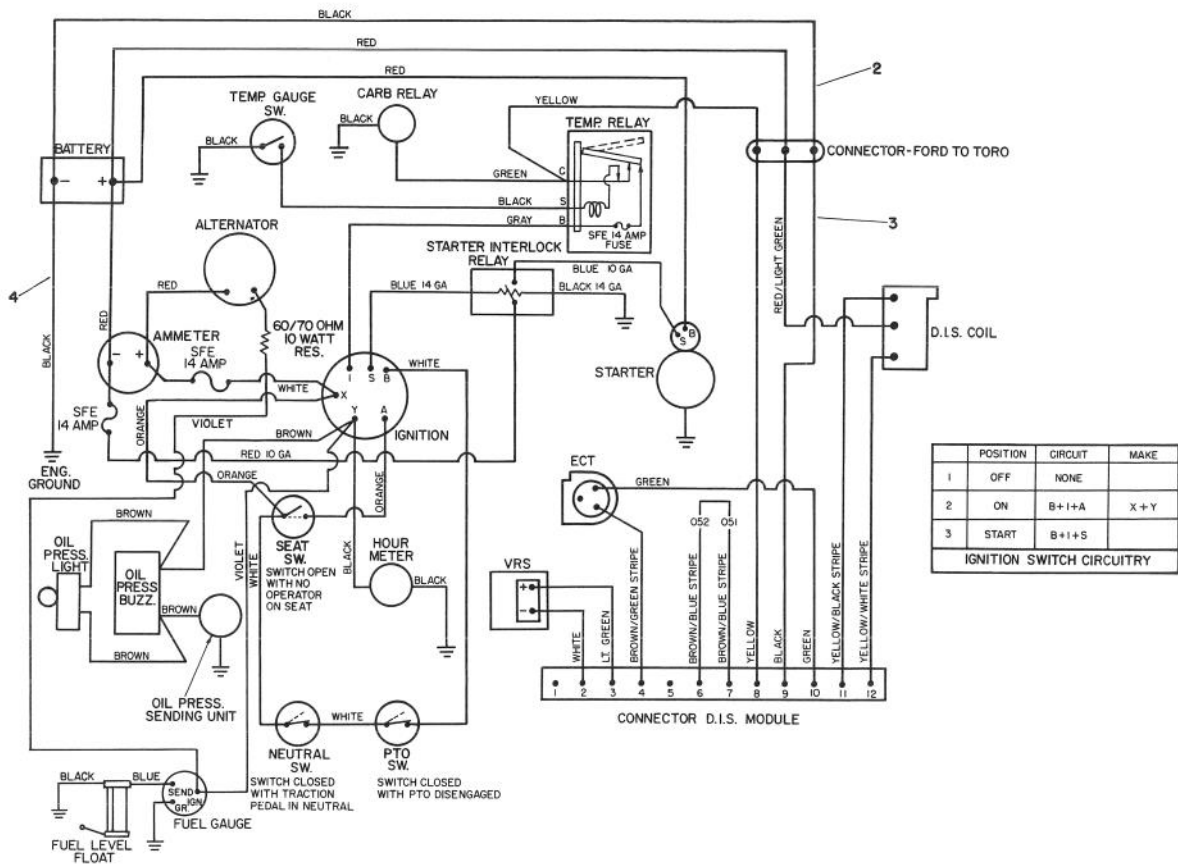


T-1175A

## INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	86-9370	Panel - Instrument	1	17	322-5	Screw - Cap, Hex. Hd.	2
2	85-7470	Decal - Instrument Panel	1	18	3254-2	Washer - Lock, Int. Tooth	6
3	233-35	Knob - Control	2	19	3217-6	Nut	2
4	218-516	Lens	1	20	3255-5	Washer - Lock	1
5	3219-14	Nut	4	21	3217-26	Nut - Hex.	1
6	3254-1	Washer - Lock	6	22	218-515	Mounting Bracket	1
7	38-1670	Mounting Clamp	2	23	63-7590	Relay	1
8	38-1650	Fuel Gauge (Incl. Ref. #5-7, 32 & 33)	1	24	3290-379	Cable Tie	1
9	218-539	Clamp	1	25	3290-134	Screw Machine Hex. Hd.	4
10	38-1660	Ammeter (Incl. Ref. #5-7, 32 & 33)	1	26	3290-360	Screw Machine Hex. Hd.	1
11	67-8550	Engine Temperature Gauge (Incl. Ref. #5, 6 & 9)	1	27	22-7810	Spacer	1
12	63-8360	Key	1	28	22-7820	Buzzer Assembly	1
13	26-6740	Temperature Reset Relay	1	29	3296-12	Nut - Lock	5
†14		Fuse Temp. Relay 14 amp SFE	1	30	44-2210	Warning Light (Incl. Ref. #4)	1
15	27-2360	Switch	1	31	67-8560	Throttle & Choke Control (Incl. Ref. #3)	2
16	12-9990	Hour Meter (Incl. Ref. #20-22)	1	32	3255-24	Washer - Lock	5
				33	3217-29	Nut - Hex.	6
				34	3217-27	Nut - Hex.	2

†Obtain Locally



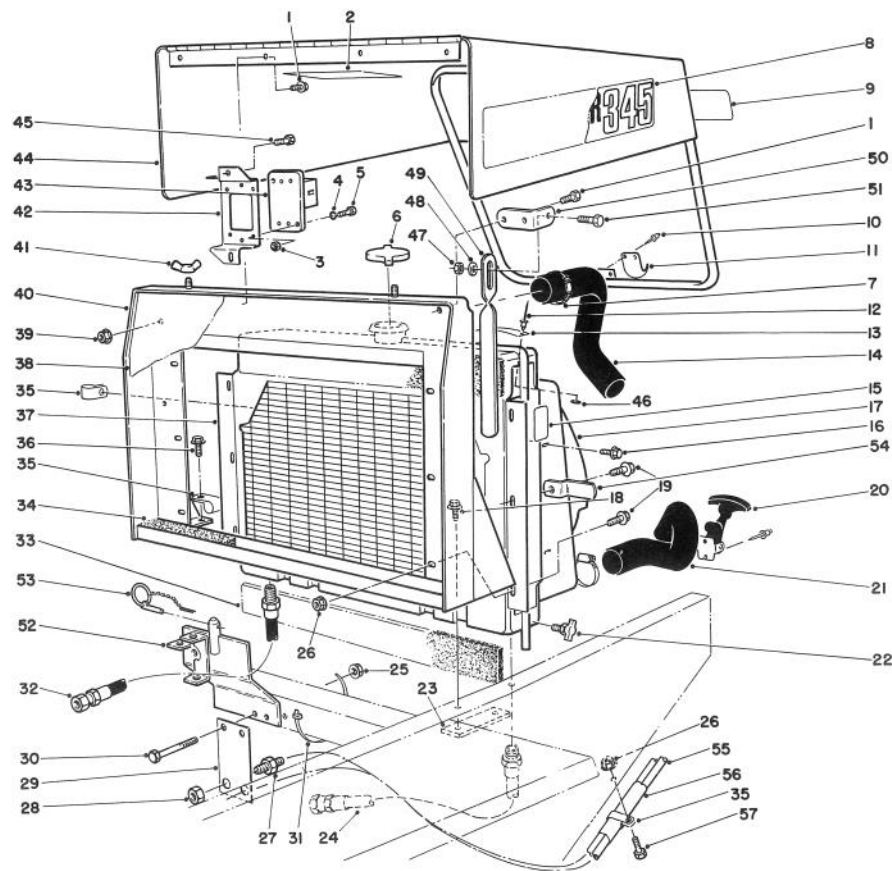
T-0915A

# ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	93-0105	Wire - Harness Assembly	1

Ref. No.	Part No.	Description	No. Used
†3	E9JL-12A200-AC	Wire - Harness (Ford)	1
4	67-8540	Cable - Ground	1

†Obtain from your local Ford Power Products Dealer.



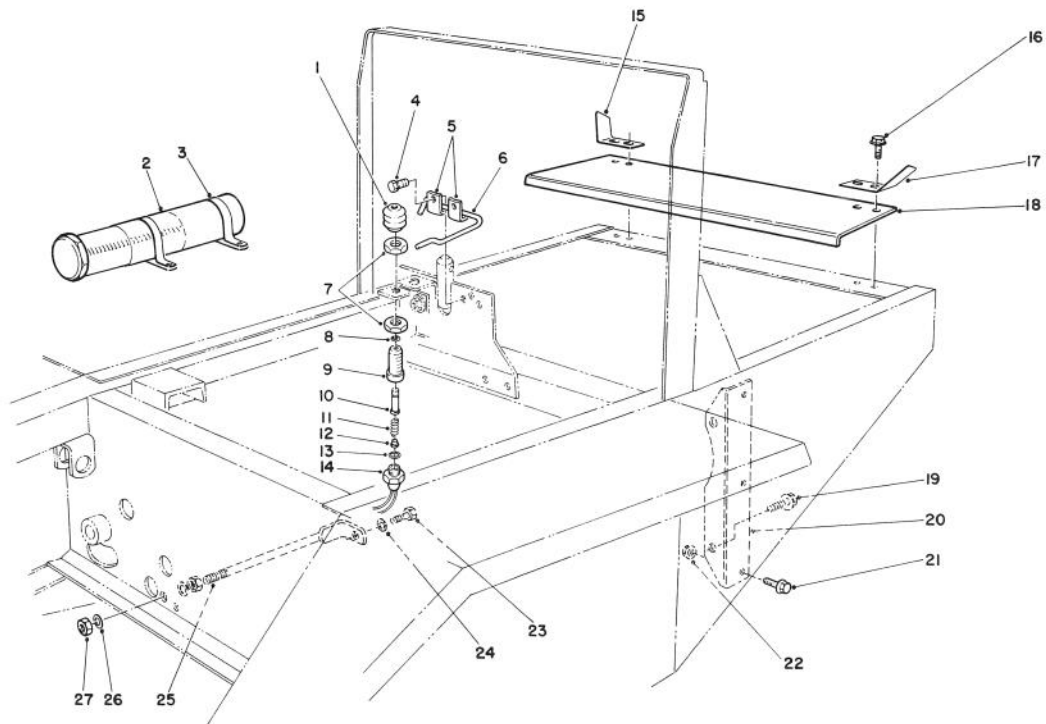
T-0916B

## RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144-10	Screw - Hex. Self-Tapping	5
2	82-8970	Decal - Coolant Engine	1
3	48-7890	Nut - Metric	2
4	43-5930	Washer - Metric	2
5	48-7630	Screw - Metric	2
6	66-3240	Cap - Pressure Radiator	1
7	2412-3	Clamp - Hose	4
8	67-8880	Decal - Groundsmaster 345	2
9	66-6140	Decal - Toro	1
10	3290-271	Rivet	4
11	249-40	Keeper	1
12	3269-13	Rivet	2
13	76-8750	Decal - Warning	1
14	70-1630	Hose - Radiator Upper	1
15	77-3100	Decal - Warning	2
16	32104-116	Screw - Flange, Hex Hd.	4
17	67-8640	Shroud - Radiator	1
18	3234-1	Screw - Cap, Flange Hd.	2
19	3234-14	Screw - Flange, Hex Hd.	6
20	59-9740	Latch - Draw (Inc. Ref. #11)	1
21	67-8660	Hose - Radiator Lower	1
22	304-46	Draincock	1
23	38-4600	Bar - Frame L.H.	1
24	63-9010	Hose Assembly (Cooler to Pump)	1
25	32128-21	Nut - Flange Head	3
26	32128-20	Nut - Flange Head	7
27	340-71	Union - Bulkhead	2
28	340-70	Nut - Lock, Bulkhead	2

Ref. No.	Part No.	Description	No. Used
29	68-9160	Bracket	1
30	323-14	Screw - Cap, Hex Hd.	3
31	3290-379	Tie - Cable	4
32	63-8960	Hose Assembly	1
33	43-3320	Foam - Radiator	2
34	70-1790	Strip - Foam Sealing	1
35	2412-39	Clamp	3
36	11-0590	Screw - Hex Self-Tapping	2
37	67-8590	Radiator Assembly	1
38	67-9030	Grille - Radiator	1
39	32128-33	Nut - Lock, Flange	2
40	86-9400	Support - Radiator	1
41	32103-2	Nut - Wing	2
42	70-1660	Bracket - E.S.C.	1
43		Module - E.S.C.	1
44	14-8459	Hood	1
45	321-39	Screw - Cap, Hex Hd.	2
46	3269-10	Washer	2
47	3296-16	Nut - Lock	1
48	3256-22	Washer - Flat	1
49	84-5380	Strap - Hood Prop	1
50	84-5330	Bracket - Hood Prop	1
51	321-6	Screw - Cap Hex. Hd.	1
52	86-9410	Support - Seat	1
53	283-76	Pin - Lynch	1
54	86-7060	Bracket - Hood Hold Down	1
55	68-9710	Hose - Steering Cylinder	2
56	56-7980	Sleeve - Protective	1
57	322-3	Screw - Cap, Hex Hd.	1

†Obtain from your local Ford Power Products Dealer.

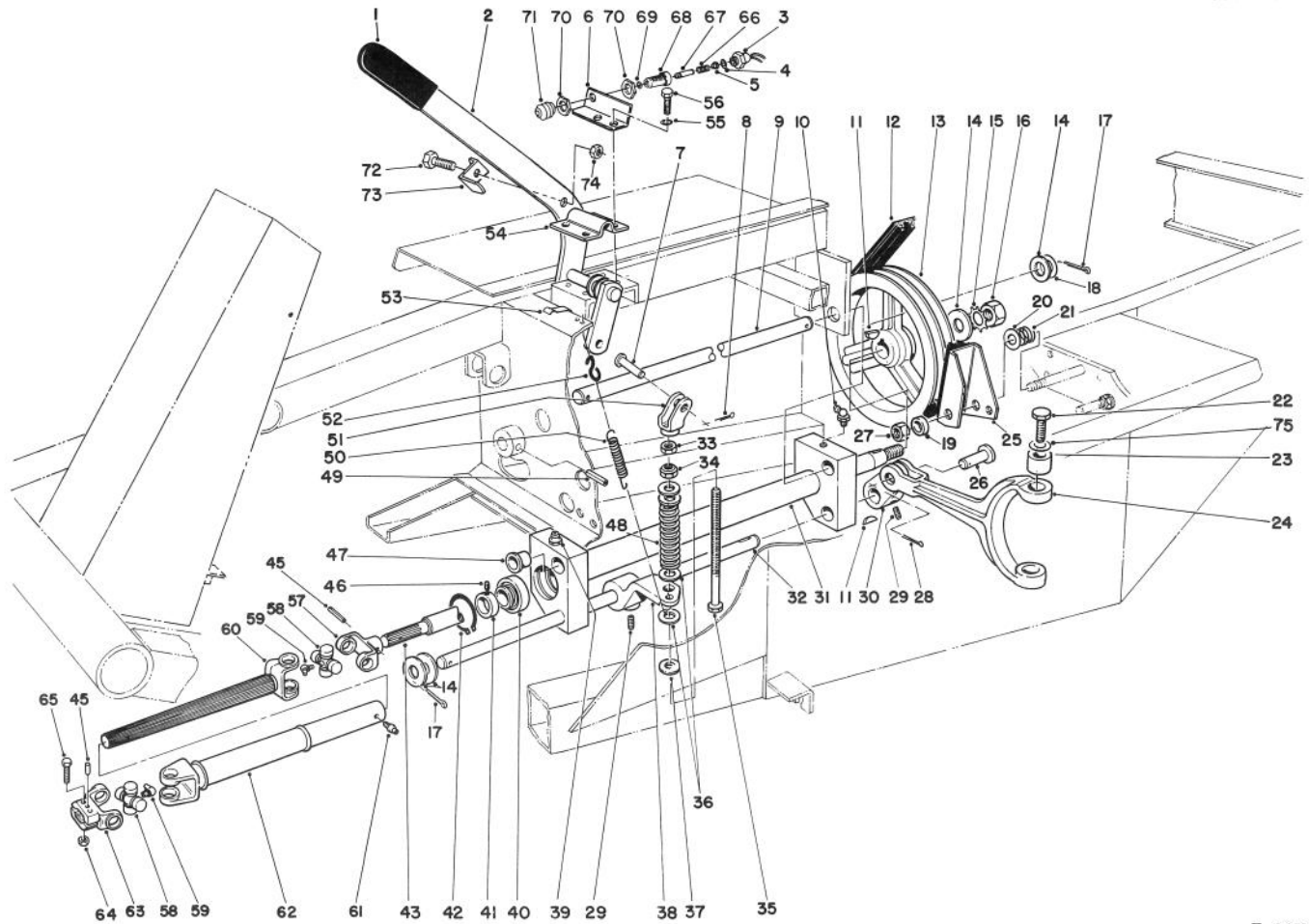


T-0917A

## INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	43-8870	Boot - Switch	1	16	3234-17	Screw - Cap Flange Hd.	4
2	74-0720	Tube - Manual	1	17	62-3020	Bracket - L.H.	1
3	2412-133	R-Clamp	2	18	70-1890	Guard - Flywheel	1
4	32144-10	Screw - Self Tapping	2	19	3234-6	Screw - Cap Flange Hd.	2
5	3-6657	Clip	2	20	67-8190	Bracket - Engine Support	2
6	86-7040	Rod - Seat Prop	1	21	3234-11	Screw - Cap Flange Hd.	6
7	218-461	Nut - Jam	2	22	3290-357	Nut - Lock, Flange	6
8	237-7	Seal - O-Ring	1	23	323-3	Screw - Cap Hex. Hd.	1
9	43-8620	Guide - Switch Pin	1	24	3253-21	Washer - Lock	1
10	43-8860	Plunger - Switch	1	25	24-9830	Support - Axle	1
11	43-8600	Spring - Compression	1	26	3256-5	Washer - Flat	2
12	43-8610	Guide - Spring & Ball Seat	1	27	3217-9	Nut	2
13	237-30	Seal - O-Ring	1	*	43-9071	Assembly - Switch (Incl. Ref.#1, 7-14, Qty. 1 of Item #7)	1
14	72-4320	Switch - Ball	1				
15	62-3010	Bracket - R.H.	1				

\*Not Illustrated

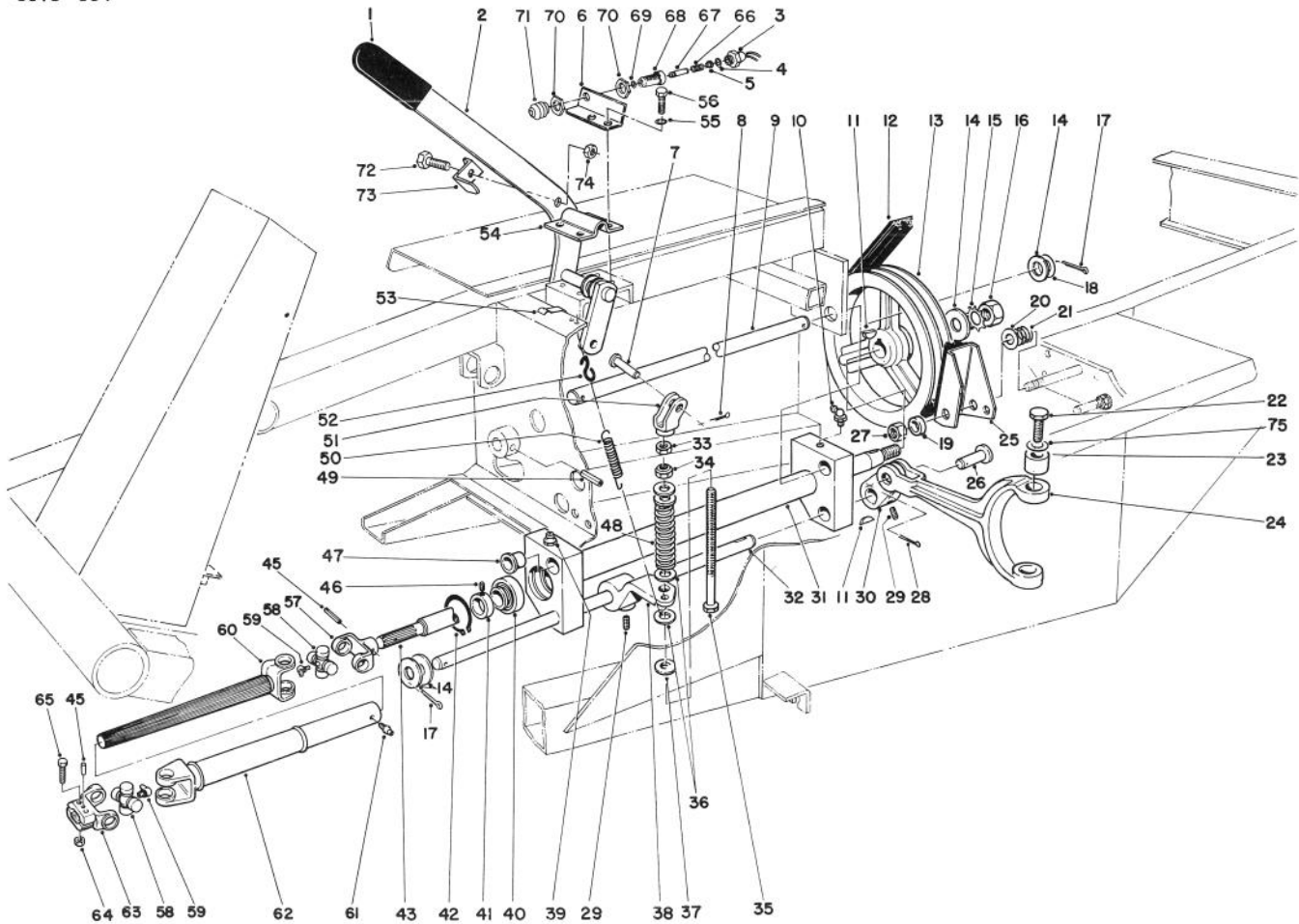


T-0413A

## POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21-1880	Grip Handle	1
2	84-8500	Lever - P.T.O.	1
3	72-4320	Switch - Ball	1
4	237-30	Seal - O-Ring	1
5	43-8610	Guide - Spring & Ball Seat	1
6	84-8520	Bracket - P.T.O. Switch	1
7	283-42	Clevis Pin	1
8	3272-10	Cotter Pin	1
9	43-3860	Shaft - Pivot P.T.O.	1
10	302-10	Fitting - Grease	1
11	3257-5	Key - Woodruff	3
12	53-9660	V-Belt Torque Team	1
13	21-0230	Pulley - P.T.O.	1
14	3256-28	Washer - Flat	4
15	3254-7	Washer - Lock	1
16	3219-7	Nut - Hex.	1
17	3272-22	Pin - Cotter	2
18	3-6498	Washer	A/R
19	3-8812	Spacer	1
20	3256-6	Washer - Flat	1
21	5-1747	Spring	1
22	92-5727	Screw - Cap, Hex. Hd.	2
23	92-5723	Bushing - P.T.O. Fork	2
24	92-4060	Fork P.T.O.	1
25	27-7370	Brake Assembly P.T.O.	1
26	283-74	Clevis Pin	1

Ref. No.	Part No.	Description	No. Used
27	3296-28	Nut - Lock	1
28	3272-11	Pin - Cotter	1
29	3246-3	Screw - Set	4
30	92-4058	Arm - P.T.O.	1
31	43-5500	Pivot P.T.O.	1
32	43-5550	Shaft - P.T.O. Actuator	1
33	3219-3	Nut	1
34	3296-6	Nut - Lock	1
35	27-7900	Screw - Adjusting	1
36	3256-41	Washer - Flat	4
37	5-0652	Spacer	1
38	43-5570	Arm - P.T.O. Actuator	1
39	302-2	Grease Fitting	1
40	251-252	Ball Bearing (Incl. Ref. #41)	2
41	251-234	Lock Collar (Incl. Ref. #46)	2
42	32120-22	Ring - Retaining	2
43	43-5540	Shaft P.T.O.	1
44	62-4260	Drive Shaft Assembly	1
45	32121-34	Pin - Roll	2
46	3245-1	Screw - Set	2
48	21-0400	Spring - Compression	1
49	32121-9	Pin - Roll	1
50	21-1830	Spring - Tension	1
51	43-5630	Yoke - P.T.O.	1



T-0413A

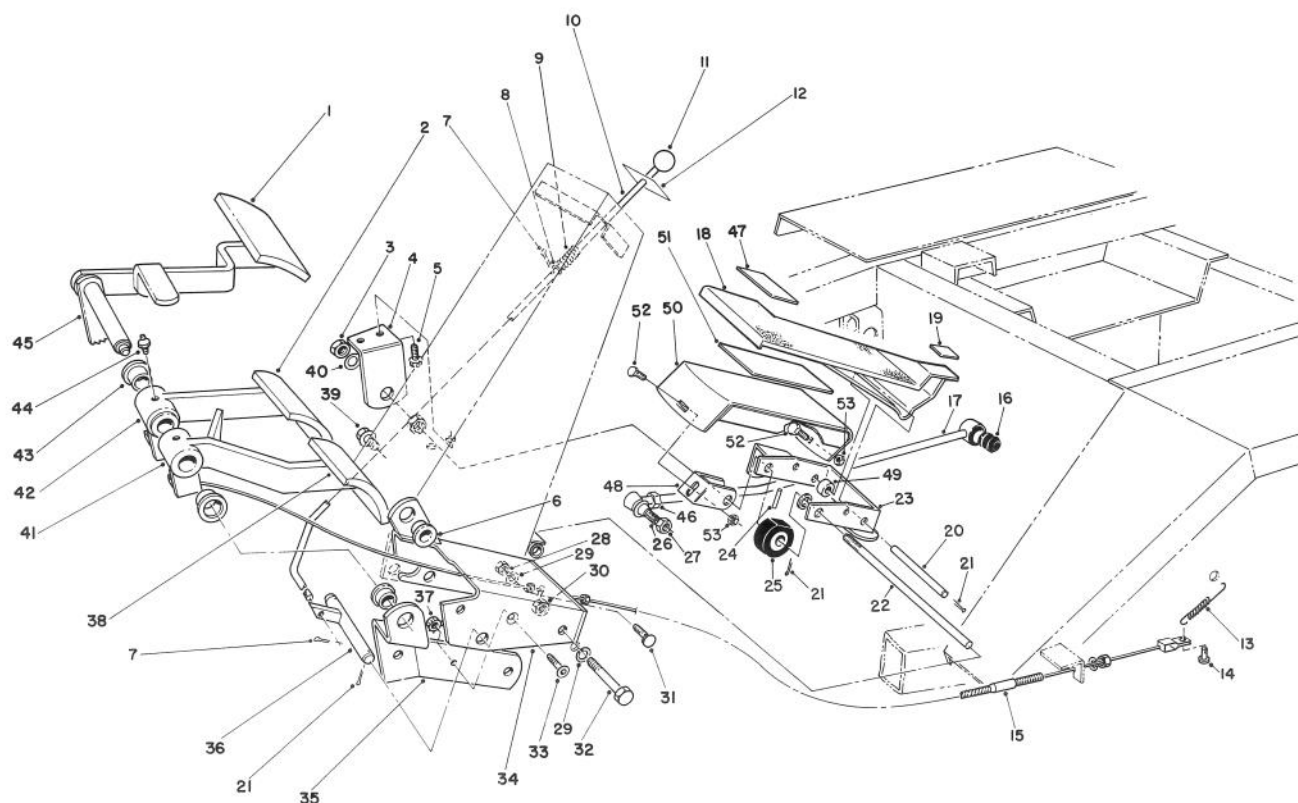
## POWER TAKE OFF ASSEMBLY (Continued)

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
65	322-9	Screw - Cap Hex. Hd.	2
66	43-8600	Spring - Compression	1

Ref. No.	Part No.	Description	No. Used
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
75	75-9890	Washer - Shim	A/R
*	43-9071	Assembly - Switch (Incl. Ref. #3-5 & 66-71) (Qty. 1 of Item #70)	1
*	84-4890	Assembly - Drive Shaft (Incl. Ref. #57-63)	1

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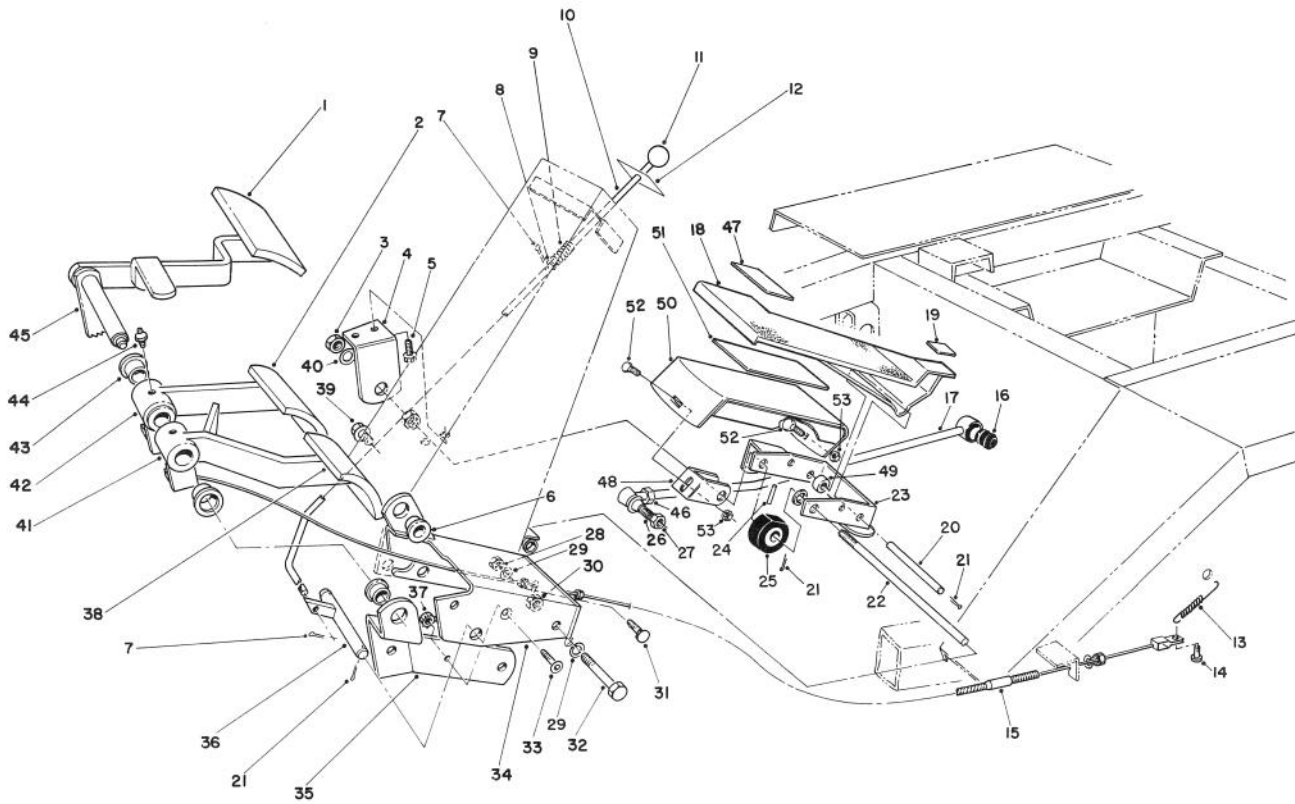


T-0415A

## 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 - Rear Pedal	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 (Inc. Ref. #6)	1	48	88-1680	Bracket - Footrest	1
24	32121-16	Pin - Roll	1				

\*Not Illustrated



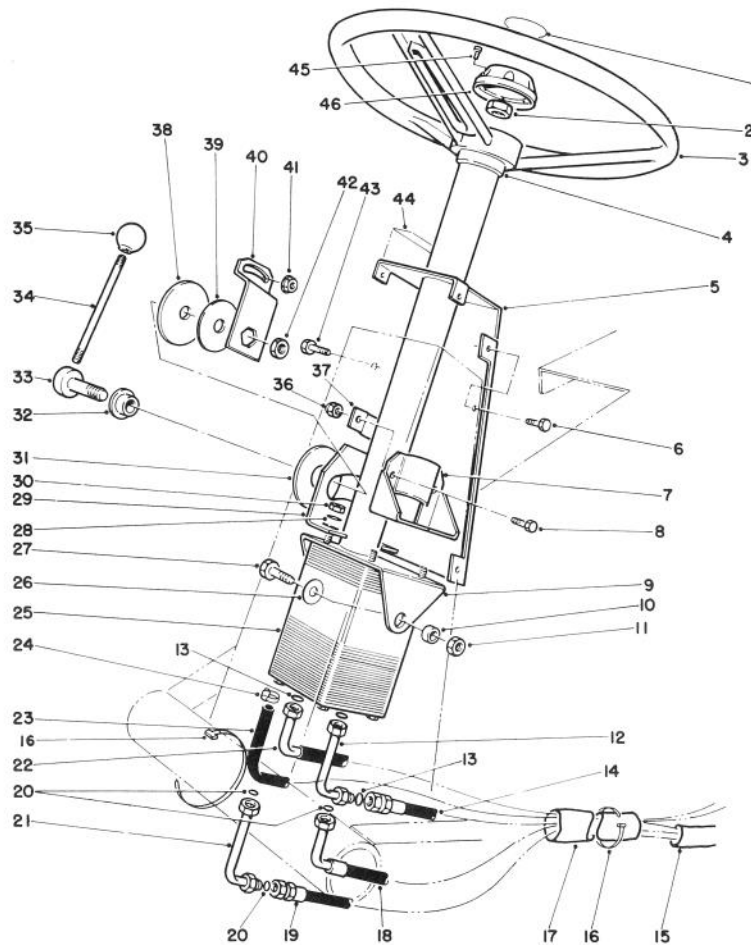
T-0415A

### 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

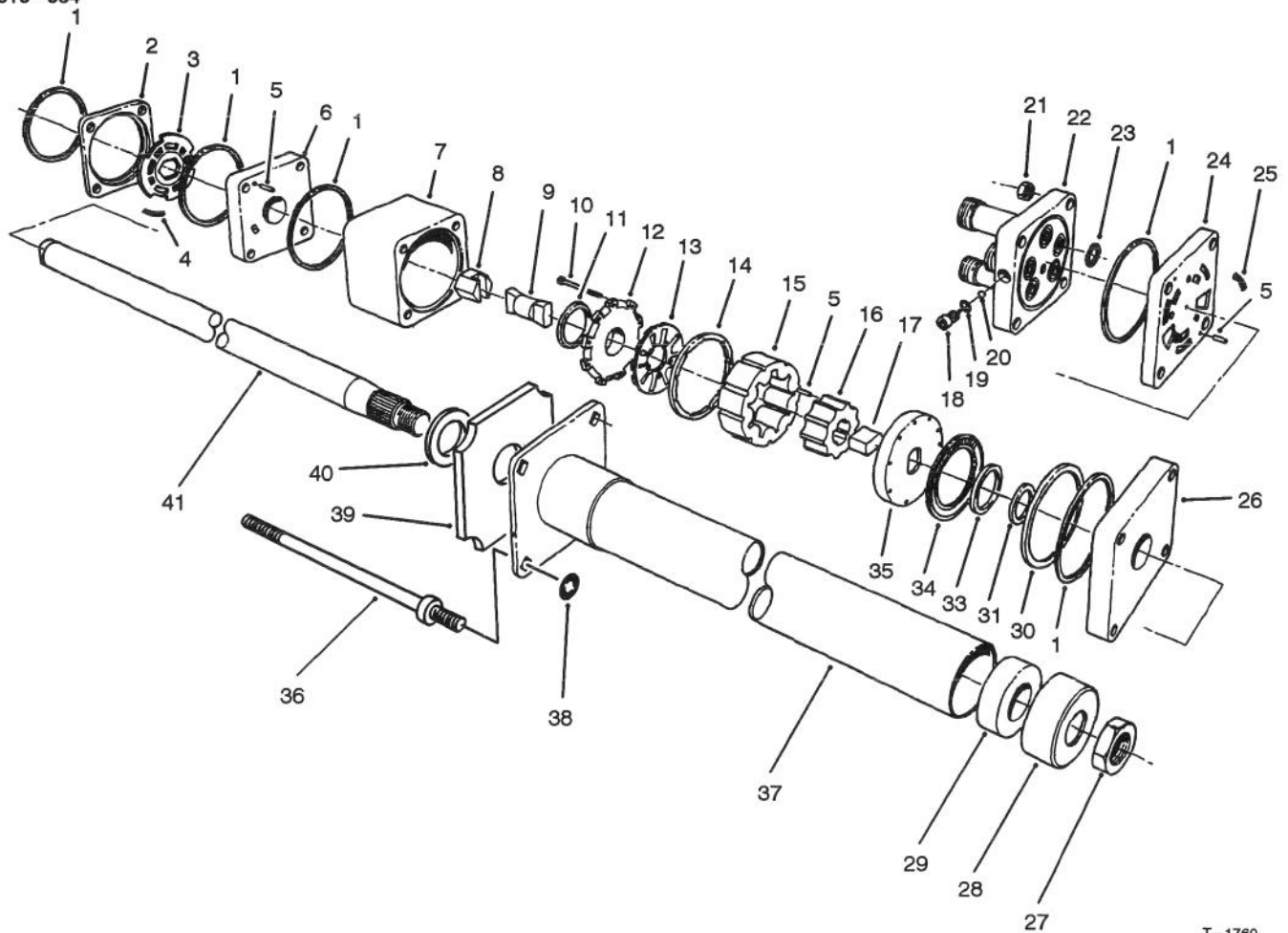
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T-1187

## 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	92-7308	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	3296-20	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	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 - 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-1760

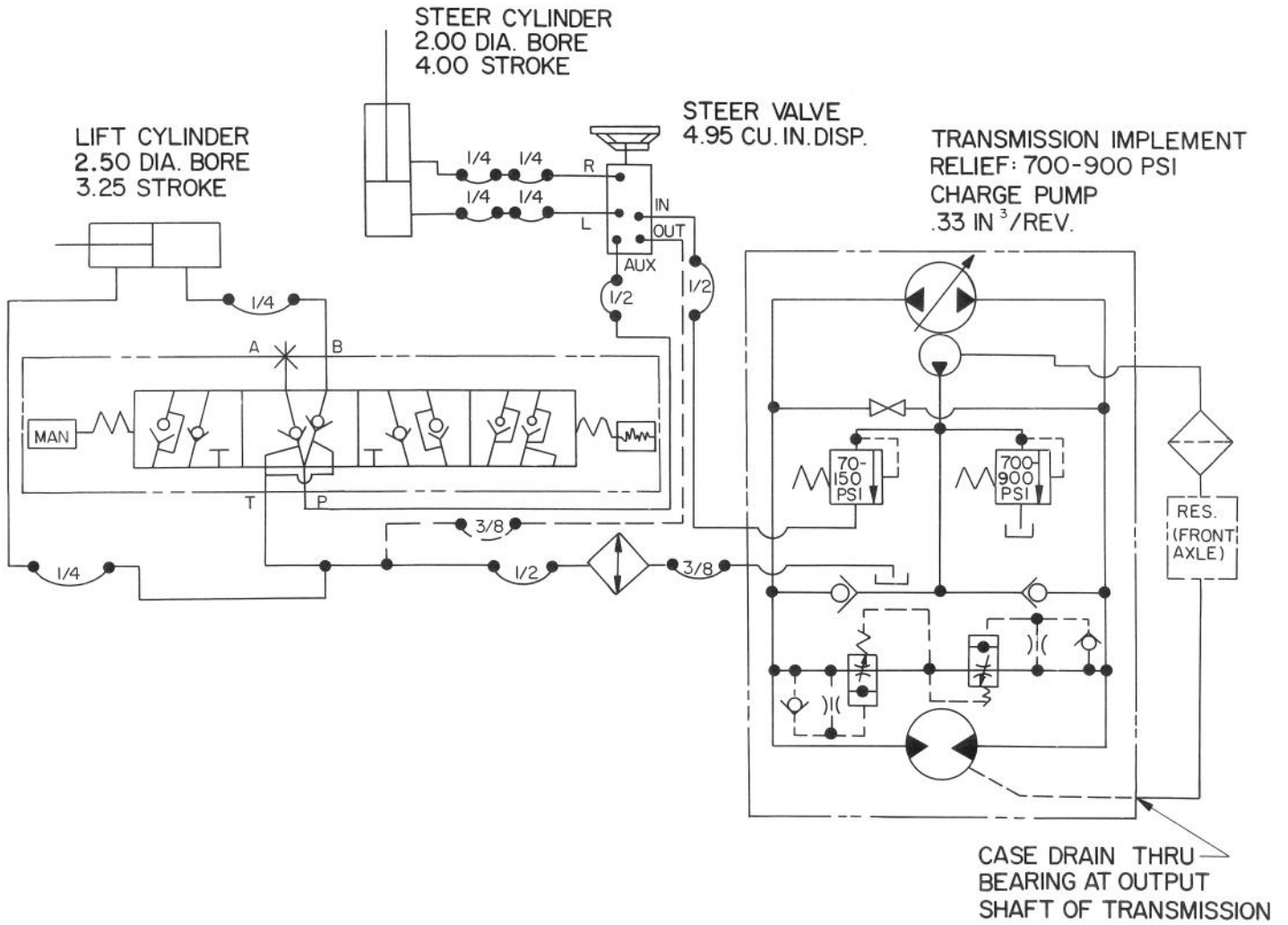
## POWER STEERING & VALVE ASSEMBLY NO.92-7308

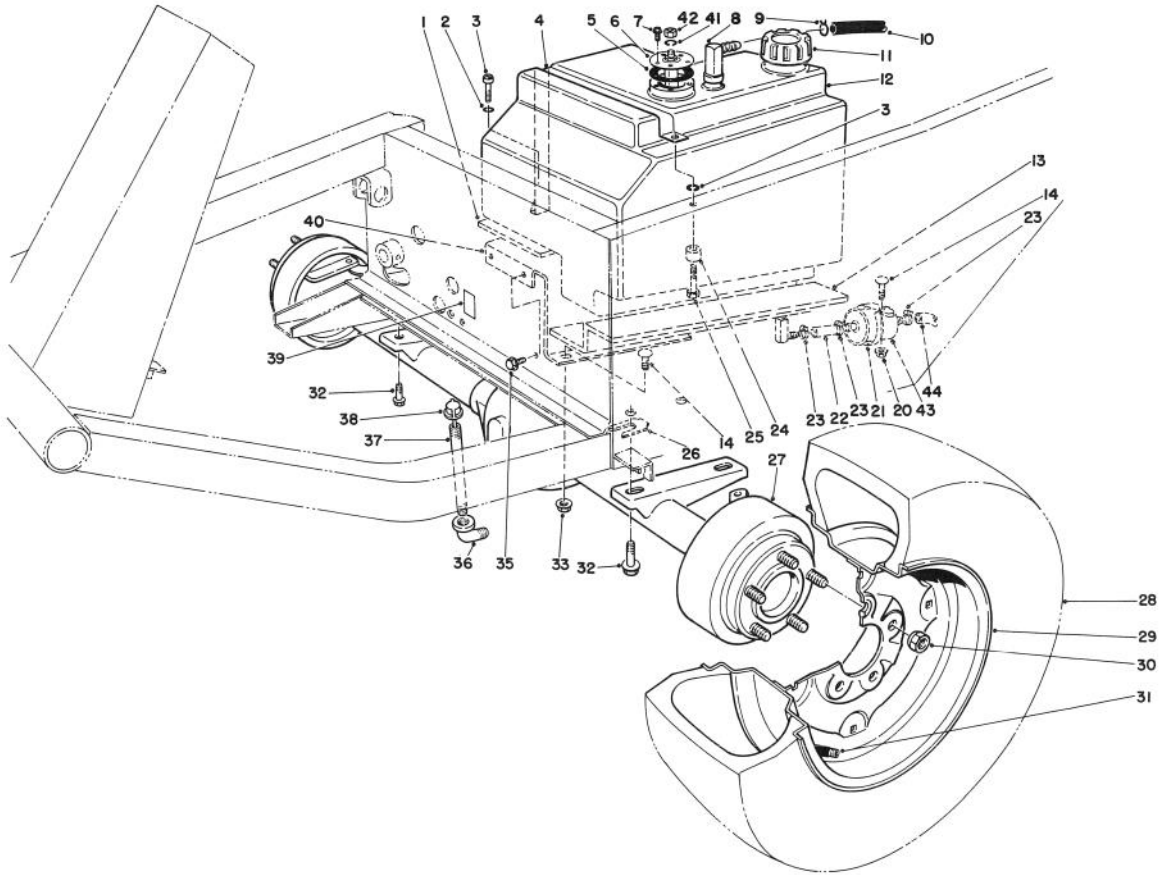
Ref. No.	Part No.	Description	No. Used
1		Ring - Seal	5
2		Ring - Valve	1
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Hex Drive Assy.	1
9		Link - Drive	1
10		Screw - Hex. Hd. Socket	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator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

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

\*Not Illustrated

# HYDRAULIC SCHEMATIC





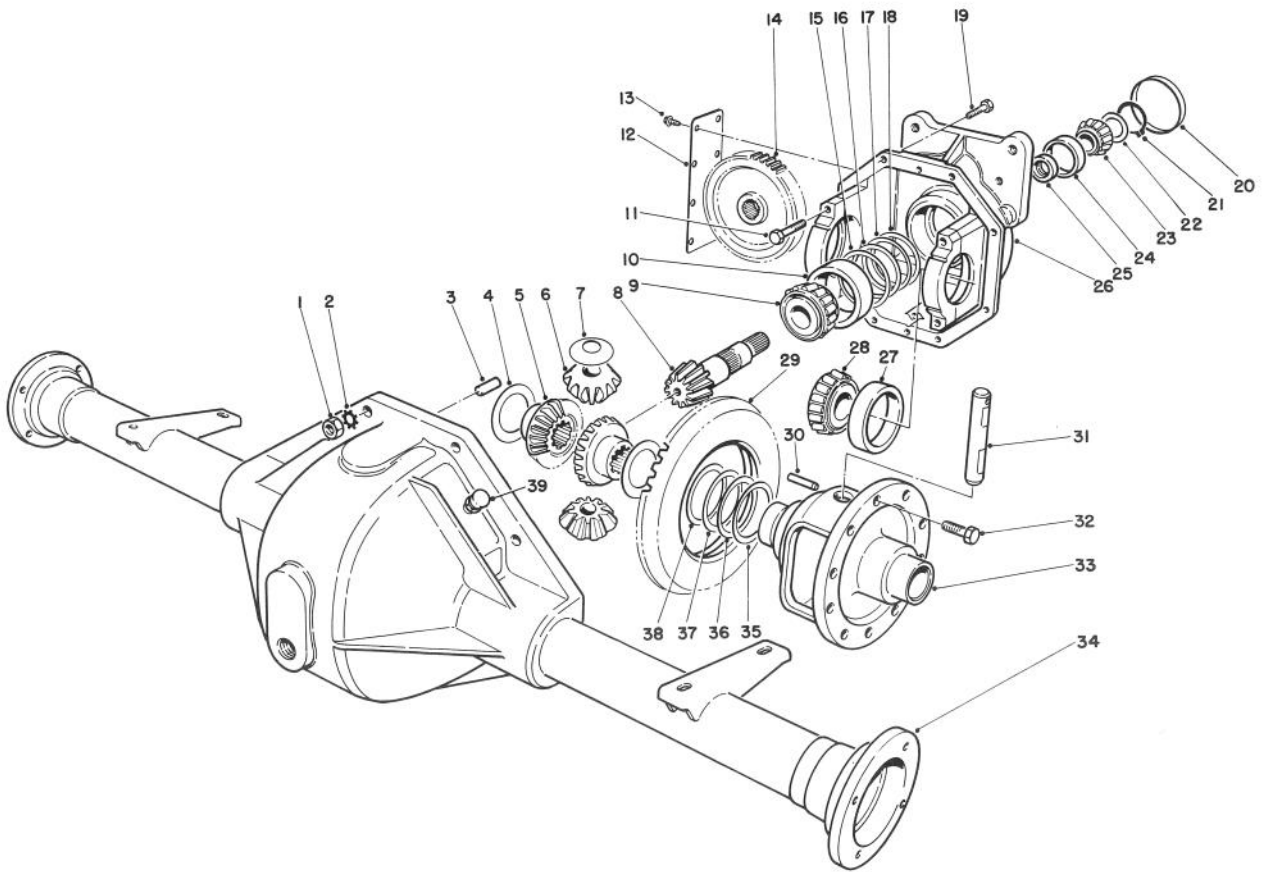
T-0918A

## FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21-3600	Foam - Support Tank	1
2	3253-3	Washer - Lock	2
3	32104-96	Screw - Cap, Hex Hd.	1
4	37-9550	Strap - Tank Fuel	1
5	62-7650	Gasket - Tank Fuel	1
6	62-6840	Sender - Fuel Level	1
7	32144-53	Screw - Thread Forming	5
8	353-536	Fitting - Tank Fuel	2
9	2412-6	Clamp	1
10	63-7630	Hose - Vent Fuel	1
11	55-3574	Cap - Tank Fuel	1
12	43-9110	Tank - Fuel (Incl. Ref. #8)	1
13	21-3610	Foam - Support Tank	1
14	3230-2	Bolt - Carriage	3
21	2412-96	Clamp - R	1
22	92-1662	Hose - Fuel	1
23	2412-108	Clamp	3
24	22-7810	Spacer	1
25	321-6	Screw - Cap Hex Hd.	1
26	42-6080	Shim - Axle	A/R
27	86-9600	Front Axle Assembly	1
28	231-101	Tire	2
*	231-95	Tire - 23 x 10.5 x 12	

Ref. No.	Part No.	Description	No. Used
		(Optional)	2
29	217-117	Rim	2
*	217-116	Rim - 23 x 10.5 x 12 (Optional)	2
30	23-7270	Nut - Wheel	10
31	232-31	Stem - Valve	2
*	232-27	Stem - Valve - 23 x 10.5 x 12 (Optional)	2
32	32144-67	Screw - Thread Forming	4
33	32128-20	Nut - Flange	3
34	3253-21	Washer - Lock	2
35	3234-11	Screw - Flange Head	2
36	2811-9	Elbow - Street	1
37	289-37	Nipple - Pipe	1
38	23-5180	Dipstick	1
39	53-4430	Decal - Oil	1
40	68-9760	Base - Tank Fuel	1
41	3253-17	Washer - Lock	1
42	3219-14	Nut	1
43	18-1520	Filter - Gas	1
44	92-1661	Hose - Fuel	1
*	62-7020	Wheel & Tire Assembly (23 x 10.5 x 12) (Optional)	2
*	231-90	Tube - Inner (Optional)	2

\*Not Illustrated



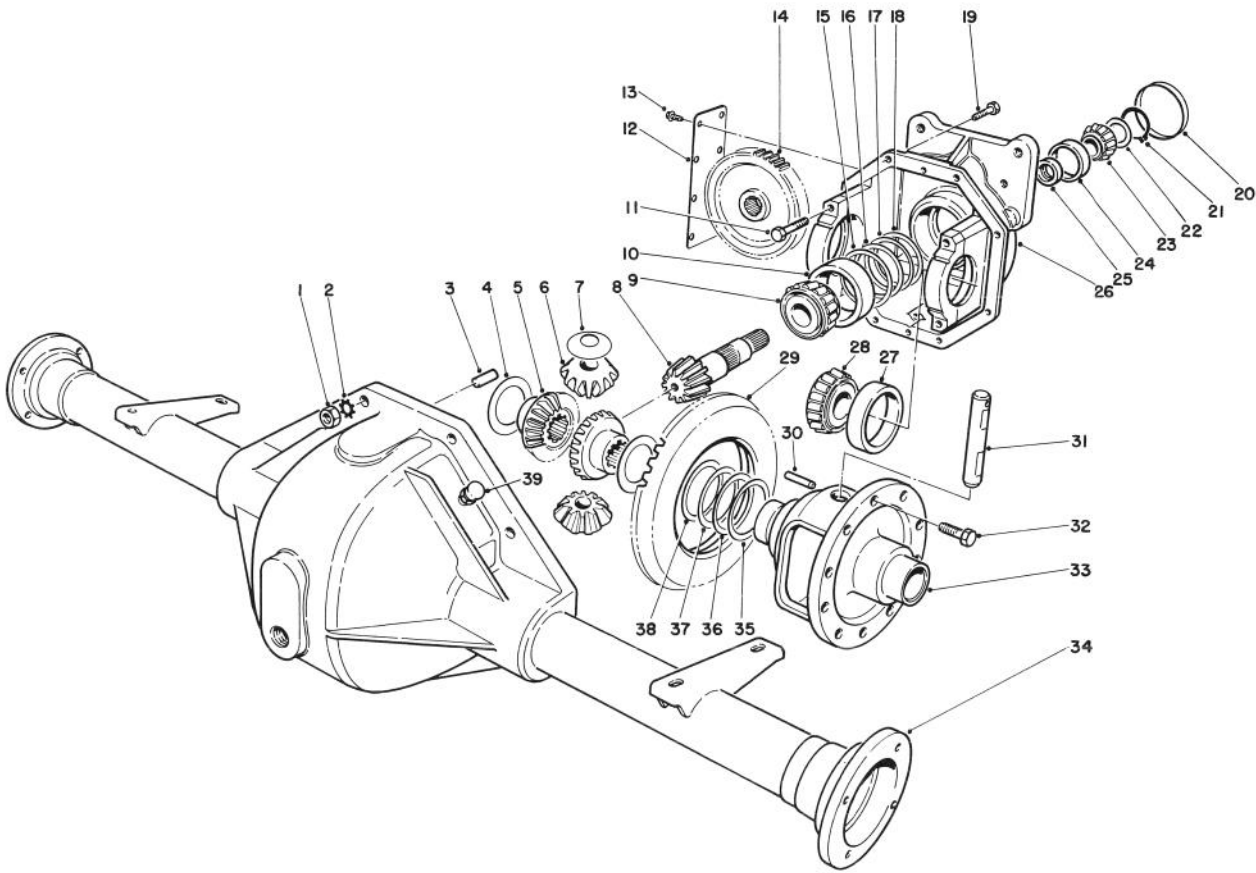
T-0919

## FRONT AXLE ASSEMBLY NO. 86-9600

Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8
2	3255-8	Washer - Lock	8
3	21-8270	Dowel Pin	2
4	21-7720	Thrust Washer	2
5	24-8790	Differential Bevel Gear Side	2
6	21-7690	Pinion Gear	2
7	21-7730	Thrust Washer	2
8		Drive Pinion	1
9	43-6760	Roller Bearing Cone	1
10	43-6750	Roller Bearing Cup	1
11	92-1773	Screw - Cap, Hex. Hd.	4
12	21-7830	Gear Cover	1
13	12-5450	Thread Forming Screw	8
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 - Cap, Hex. Hd.	8
20	21-7850	Cap - Plug	1
21	43-6550	Snap Ring	1
22	46-2210	Shim - Front Pinion Bearing (.031)	A/R
*	46-2211	Shim - Front Pinion Bearing (.033)	A/R
*22	46-2212	Shim - Front Pinion Bearing	

\*Not Illustrated

Ref. No.	Part No.	Description	No. Used
		(.035)	A/R
*	46-2213	Shim - Front Pinion Bearing (.037)	A/R
*	46-2214	Shim - Front Pinion Bearing (.039)	A/R
*	46-2215	Shim - Front Pinion Bearing (.041)	A/R/
*	46-2216	Shim - Front Pinion Bearing (.043)	A/R
*	46-2220	Shim - Front Pinion Bearing (.045)	A/R
*	46-2221	Shim - Front Pinion Bearing (.047)	A/R
*	46-2222	Shim - Front Pinion Bearing (.049)	A/R
*	46-2223	Shim - Front Pinion Bearing (.051)	A/R
*	46-2224	Shim - Front Pinion Bearing (.053)	A/R
*	46-2225	Shim - Front Pinion Bearing (.055)	A/R
*	46-2226	Shim - Front Pinion Bearing (.057)	A/R
*	46-2410	Shim - Front Pinion Bearing (.062)	A/R



T-0919

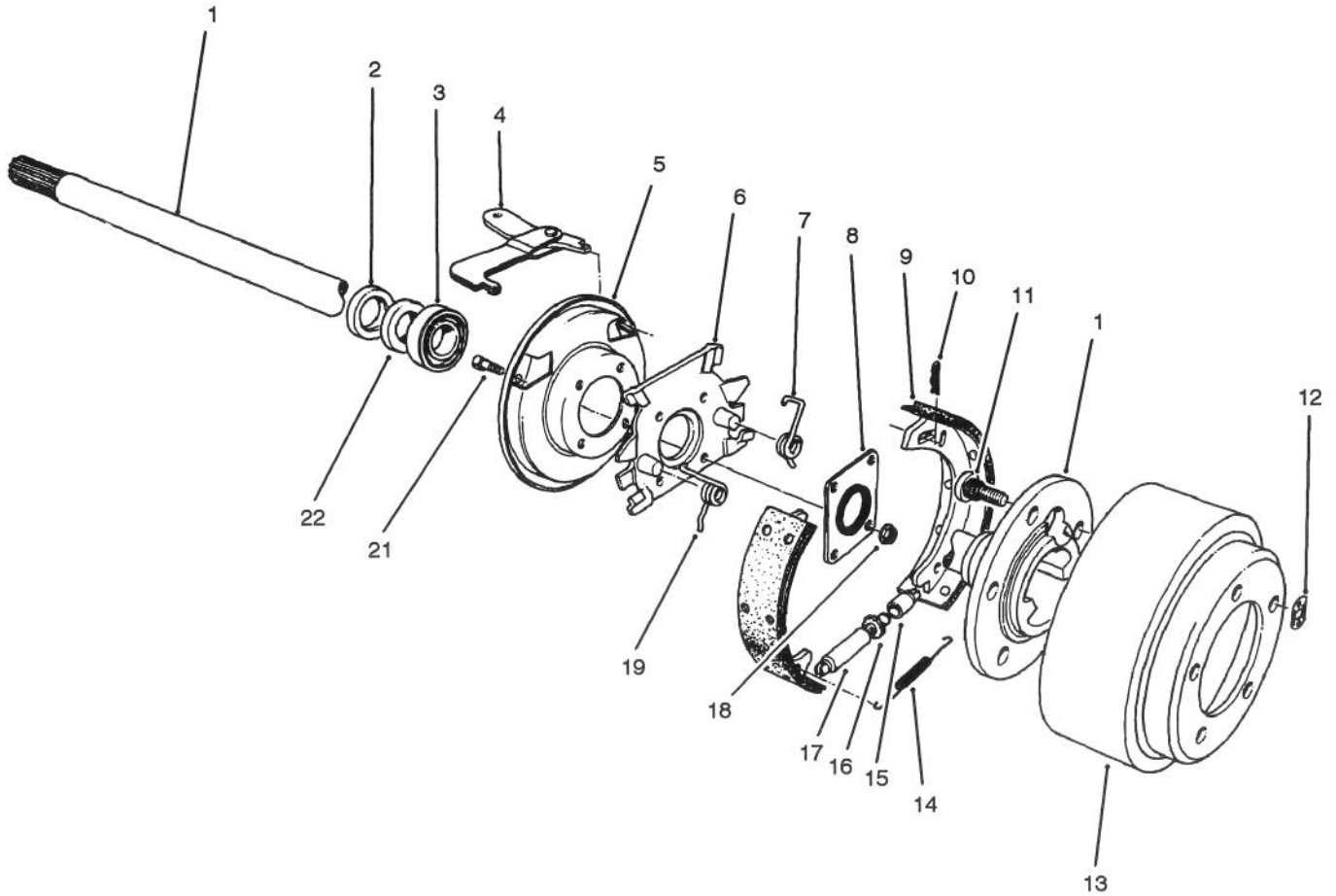
## FRONT AXLE ASSEMBLY NO. 86-9600 (Continued)

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
*22	46-2425	Shim - Front Pinion Bearing (.086)	A/R
*	46-2426	Shim - Front Pinion Bearing (.088)	A/R

Ref. No.	Part No.	Description	No. Used
23	254-91	Bearing Cone	1
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	Roll Pin	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	Vent Tube Assembly	1
*	92-4903	Assy. - Upper Hsg., 2WD (Incl. Ref.#4-33 & 35-38)	1
*	92-4848	Gear & Pinion Assembly (Incl. Ref. #8 & 29)	1

\*Not Illustrated





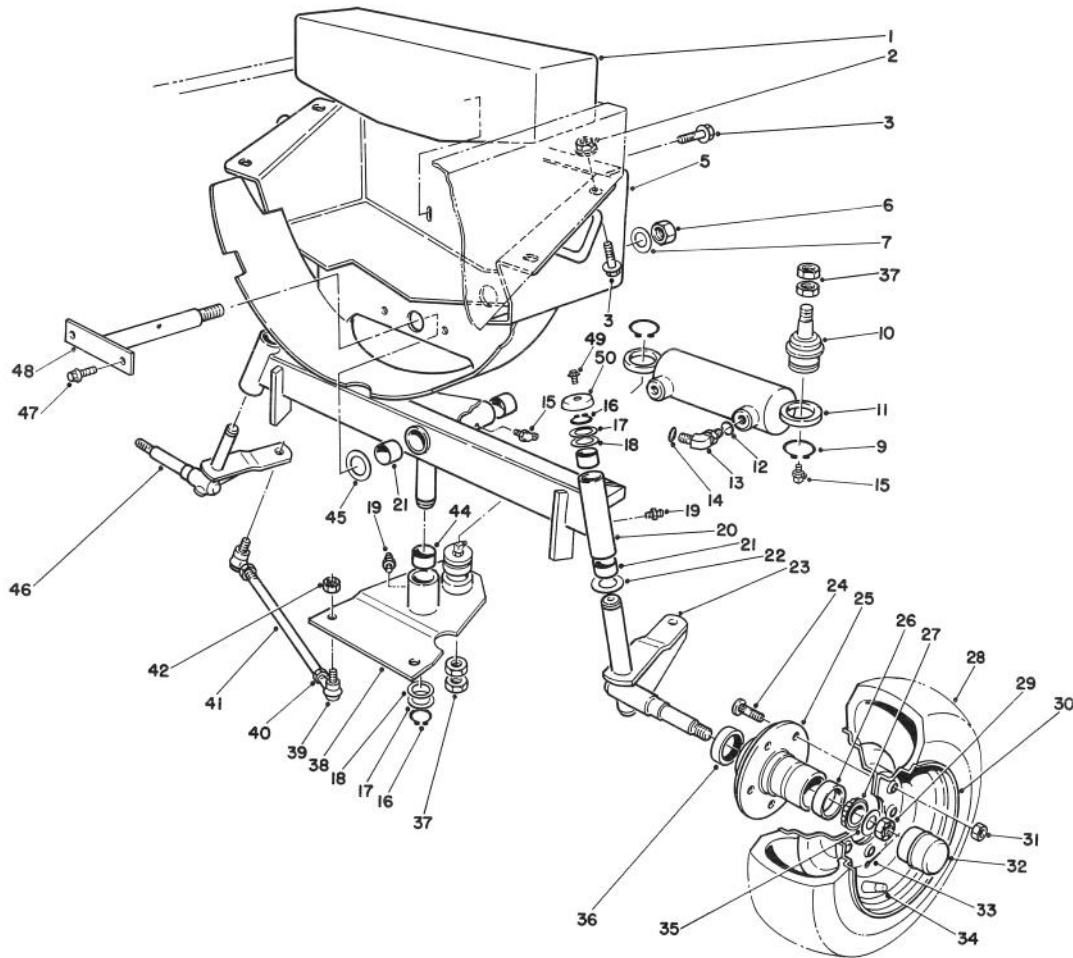
T-0421A

### BRAKE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
13	28-0680	Brake Drum	2
14	21-9440	Spring - Adjusting Screw	2
15	21-9390	Socket - Adjusting Screw	2
16	21-9370	Screw - Adjusting	2
17	21-9380	Nut - Pivot	2
18	43-6800	Nut - Lock	8
19	21-9420	Spring - Shoe Return L.H.	2
21	24-8840	Ring - Wheel Bearing	2
22	28-0660	Screw - Cap, Hex. Hd.	8
*	92-8775	Gasket Kit - Liquid	2

\*Not Illustrated



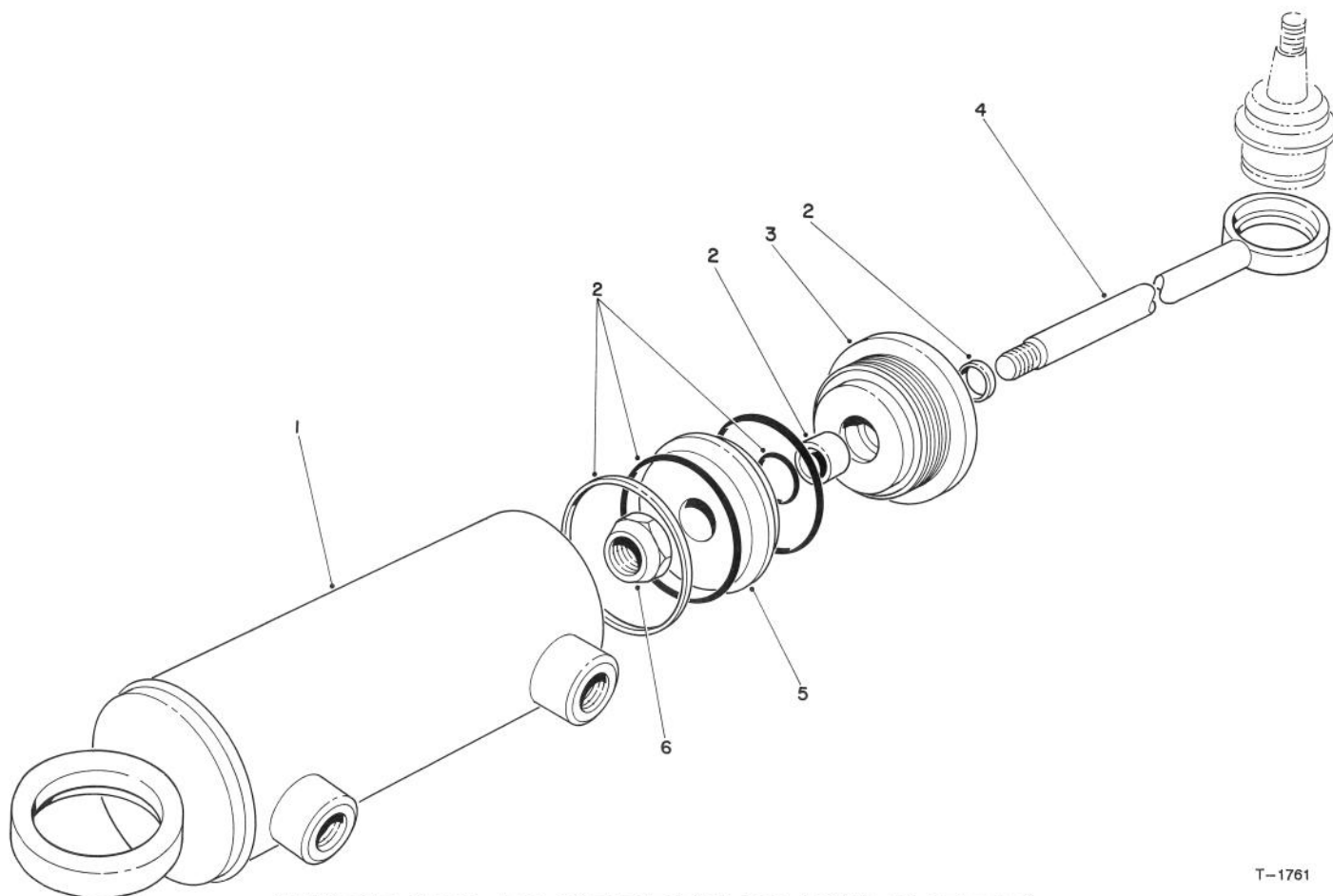
T-1759A

## REAR WHEEL & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-8960	Weight - Axle Rear	1
2	32128-23	Nut - Lock, Flange	4
3	3234-32	Screw - Hex Hd. Flange	6
5	92-7841	Support - Axle Rear	1
6	32146-20	Nut - Lock	1
7	71-4540	Washer - Thrust	1
9	32151-104	Ring - Retaining	2
10	92-5838	Ball Joint	2
11	92-7828	Cylinder - Hydraulic	1
12	237-78	O-Ring	1
13	340-54	Fitting - 45°	1
14	237-22	O-Ring	1
15	302-11	Fitting	3
16	32151-36	Ring - Retaining	3
17	5-1226	Washer	A/R
18	10-8110	Washer	3
19	302-5	Fitting	3
20	92-7816	Axle - Rear (Incl. Ref. #21)	1
21	67-1750	Bushing - Axle	6
22	256-121	Bushing - Thrust	2
23	92-7823	Spindle Assy. L.H.	1
24	10-6830	Stud - Drive	10
25	21-2820	Hub - Wheel (Incl. Ref. #24 & 26)	2
26	254-72	Cup - Bearing	4
27	254-94	Cone - Bearing	4

Ref. No.	Part No.	Description	No. Used
28	231-105	Tire	2
29	32136-5	Nut - Slotted	2
30	217-106	Wheel	2
31	242-50	Nut - Wheel	10
32	241-119	Cap - Dust	2
33	3272-13	Pin - Cotter	2
34	232-31	Stem - Valve w/Cap	2
35	3256-28	Washer - Flat	2
36	253-129	Closure	2
37	3220-6	Nut - Jam	4
38	92-7821	Pivot - Steering (Incl. Ref. #44)	1
39	21-0141	Socket Assembly R.H. (Incl. Ref. #42)	2
*	21-0151	Socket Assembly L.H. (Incl. Ref. #42)	2
40	3220-5	Nut - Jam R.H. Thread	2
*	3220-12	Nut - Jam L.H. Thread	2
41	21-2000	Rod - Tie	2
42	3220-3	Nut - Jam	8
44	256-242	Bushing	2
45	56-2460	Washer	A/R
46	92-7825	Spindle Assembly R.H.	1
47	92-7843	Pin - Axle Rear	1
48	3234-14	Screw - Self Tapping	2
49	3234-13	Screw	2
50	66-2990	Cup - Spindle	2

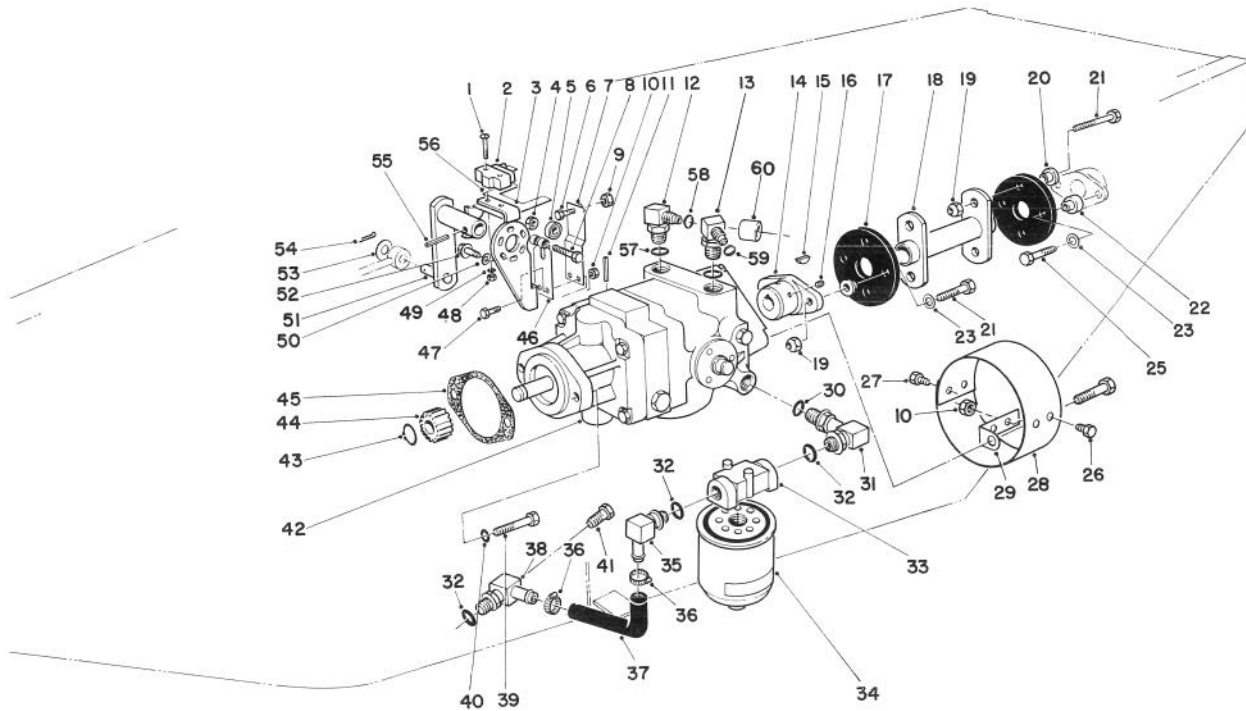
\*Not Illustrated



T-1761

## HYDRAULIC STEERING CYLINDER

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Tube Assembly	1	5	66-1940	Piston	1
2	92-6593	Seal Kit	1	6	66-1930	Nut - Lock	1
3	92-6588	Gland	1	*	92-7828	Cylinder - Hydraulic (Incl. Ref. #1-6)	1
4		Piston Rod Assembly	1				

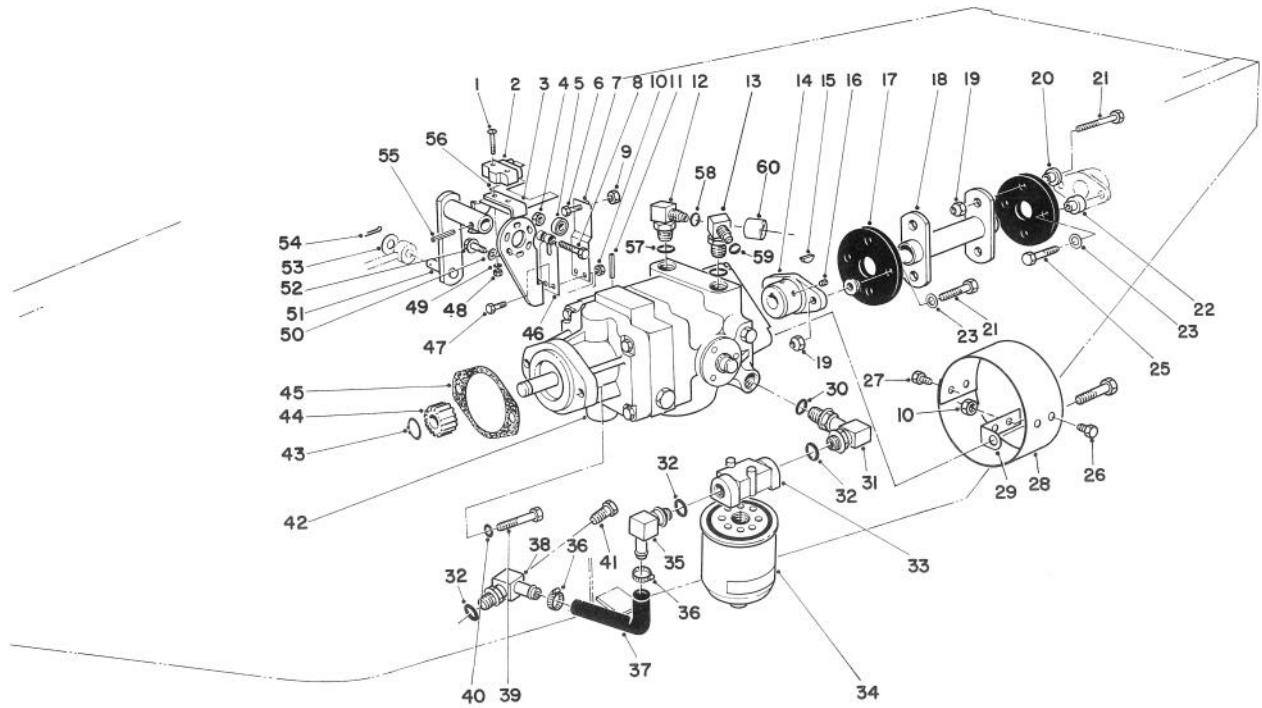


T-0424A

## HYDROSTATIC TRANSMISSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3249-11	Screw - Round Hd. Mach.	2
2	29-6163	Micro Switch	1
3	29-6120	Pump Plate	1
4	3296-29	Nut - Lock	1
5	251-259	Ball Bearing	1
6	3210-7	Screw - Cap, Hex. Hd.	1
7	29-6170	Extended Leaf Spring	1
8	322-17	Screw - Cap, Hex. Hd.	1
9	3219-2	Nut - Hex	1
10	3296-42	Nut - Lock	6
11	32121-6	Roll Pin	1
12	340-77	Elbow	1
13	340-99	Elbow	1
14	33-4380	Pump Hub	1
15	3257-32	Woodruff Key	1
16	3241-5	Square Hd. Set Screw	2
17	44-2230	Rubber Coupling	2
18	46-6390	Drive Coupling	1
19	32152-1	Nut - Lock	8
20	27-6600	Spacer Rubber Coupling	6
21	322-6	Screw - Cap, Hex. Hd.	6
22	27-6590	Spacer Rubber Coupling	2
23	3256-3	Washer - Flat	4
25	322-8	Screw - Cap, Hex. Hd.	2
26	321-2	Screw - Cap, Hex. Hd.	2
27	321-4	Screw - Cap, Hex. Hd.	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 - Cap, Hex. Hd.	2
40	3253-21	Washer - Lock	2
41	353-508	Plug - Drain	1
42	92-8947	Transmission - Inline	1
43	32120-72	Ring - Retaining External	1
44	66-7220	Gear - Transmission Output	1
45	41-8760	Gasket - Transmission	1
46	29-6150	Leaf Spring	1
47	321-6	Screw - Cap, Hex. Hd.	2
48	3217-16	Nut	2
49	3254-9	Washer - Lock	2
50	3255-7	Washer - Lock	3
51	28-9570	Pump Lever	1
52	11-9760	Self Tapping Screw	3
53	3256-6	Washer - Flat	1

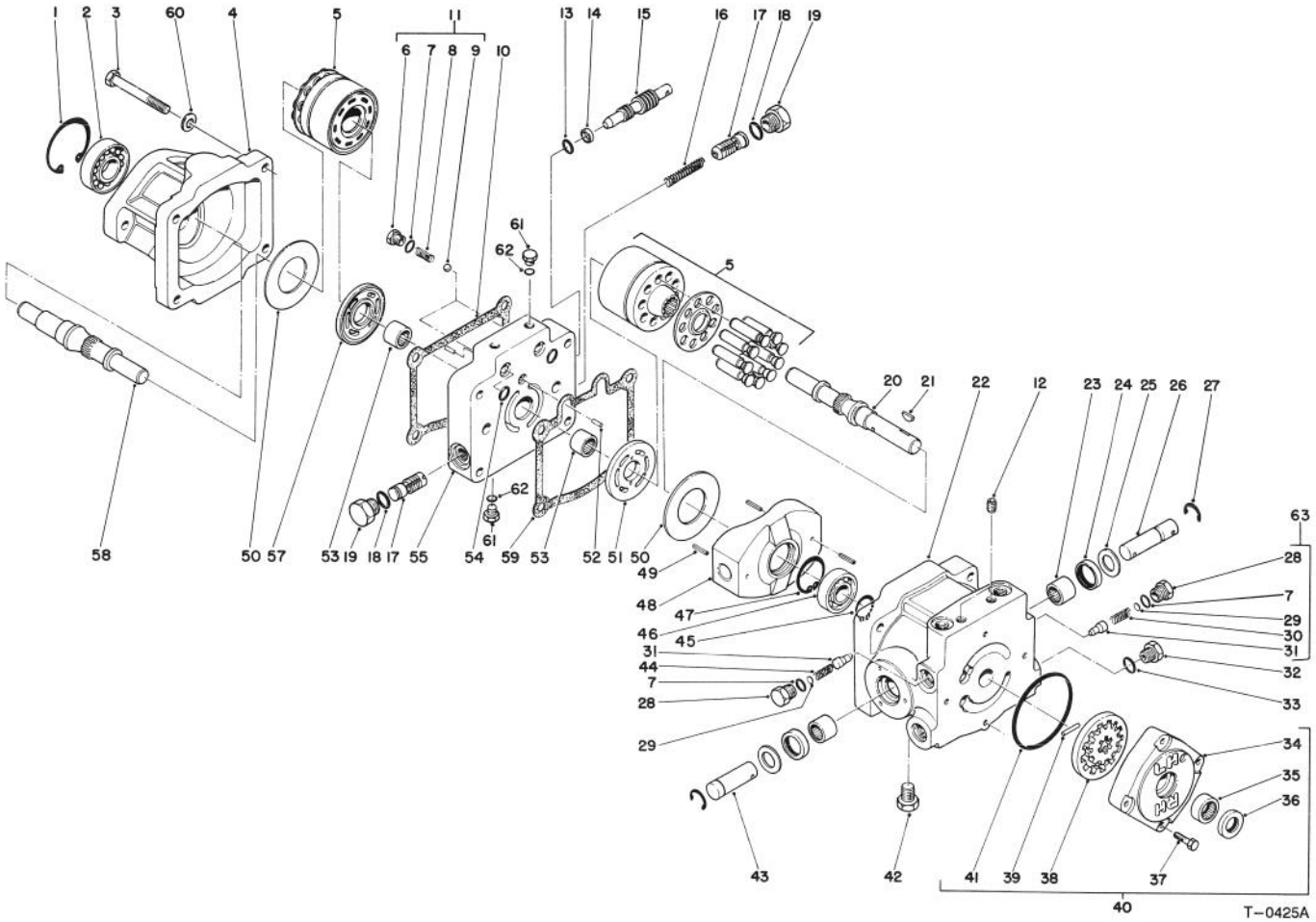


T-0424A

## HYDROSTATIC TRANSMISSION ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	3272-10	Cotter Pin	1
55	32121-24	Roll Pin	1
56	46-8810	Stop - Leaf Spring	1
57	237-42	O-Ring	2

Ref. No.	Part No.	Description	No. Used
58	237-22	O-Ring	1
59	237-30	O-Ring	1
60	38-3400	Guard - Rubber	1

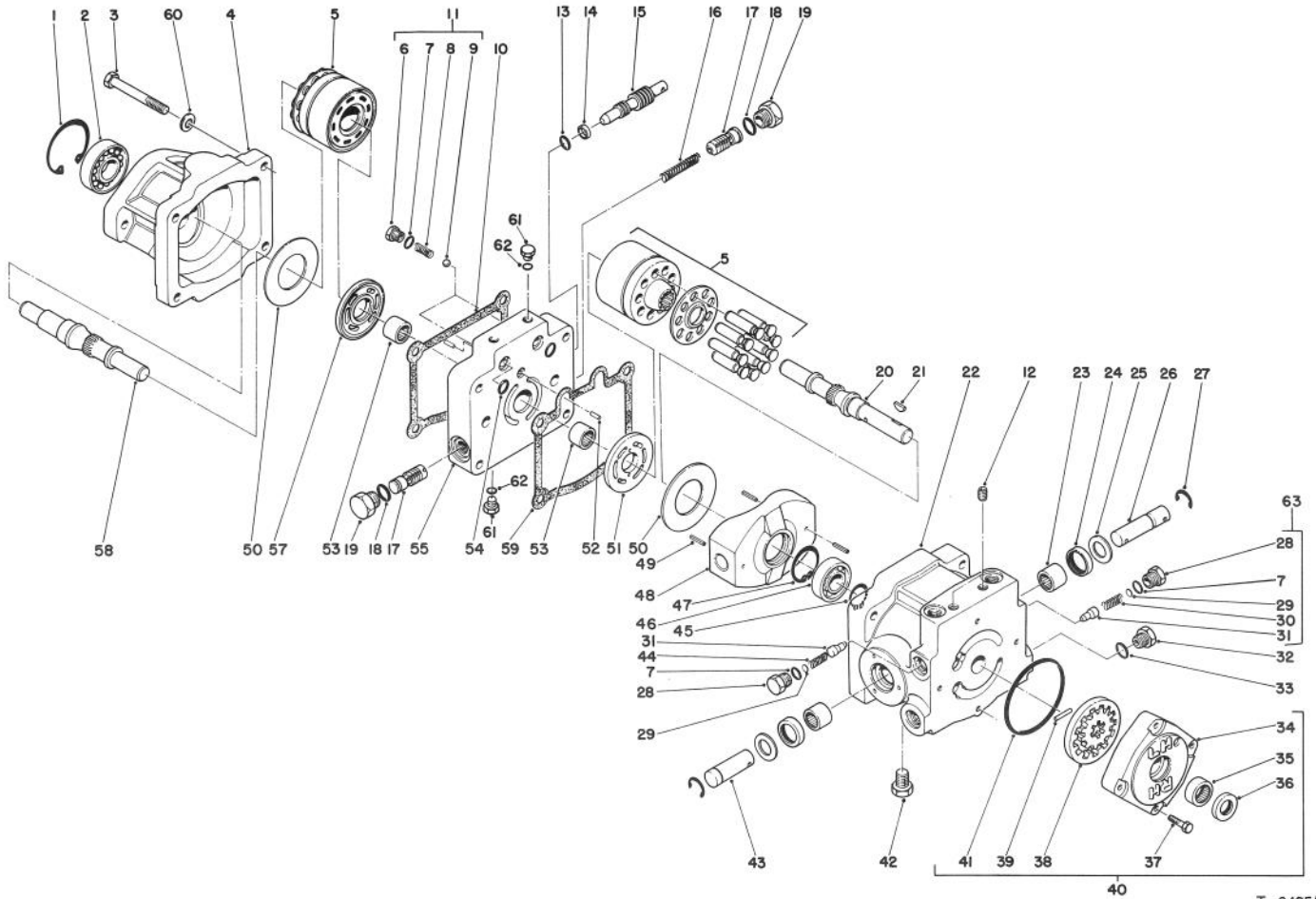


T-0425A

## TRANSMISSION ASSEMBLY NO. 92-8947

Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1
2	72-3750	Roller Bearing	1
3	323-56	Screw - Cap, Hex. Hd.	4
4	67-9080	Motor Housing	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 (Inc. Ref. #6-9)	2
12	285-17	Pipe Plug	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	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	Woodruff Key	1
22	54-7890	Pump Housing	1
23	252-82	Needle Bearing	2
24	25-3210	Lip Seal	2
25	25-2510	Washer - Flat	2

Ref. No.	Part No.	Description	No. Used
26	25-2580	Trunnion Shaft	1
27	32151-46	Retaining Ring	2
28	25-2460	Plug - Hex. Hd.	2
29	25-2470	Shim Pack	2
30	25-2570	Valve Spring	1
31	83-7260	Relief Valve Cone	2
32	353-551	Hex. Hd. Plug	1
33	237-80	O-Ring	1
34	25-2550	Charge Pump Housing	1
35	67-8050	Needle Bearing	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	Trunnion Shaft	1
44	25-2480	Valve Spring	1
45	32120-15	Retaining Ring	1
46	251-8	Ball Bearing	1
47	32120-11	Retaining Ring	1
48	25-2450	Variable Swashplate	1
49	32121-91	Coil Spring Pin	3
50	25-2380	Thrust Plate	2

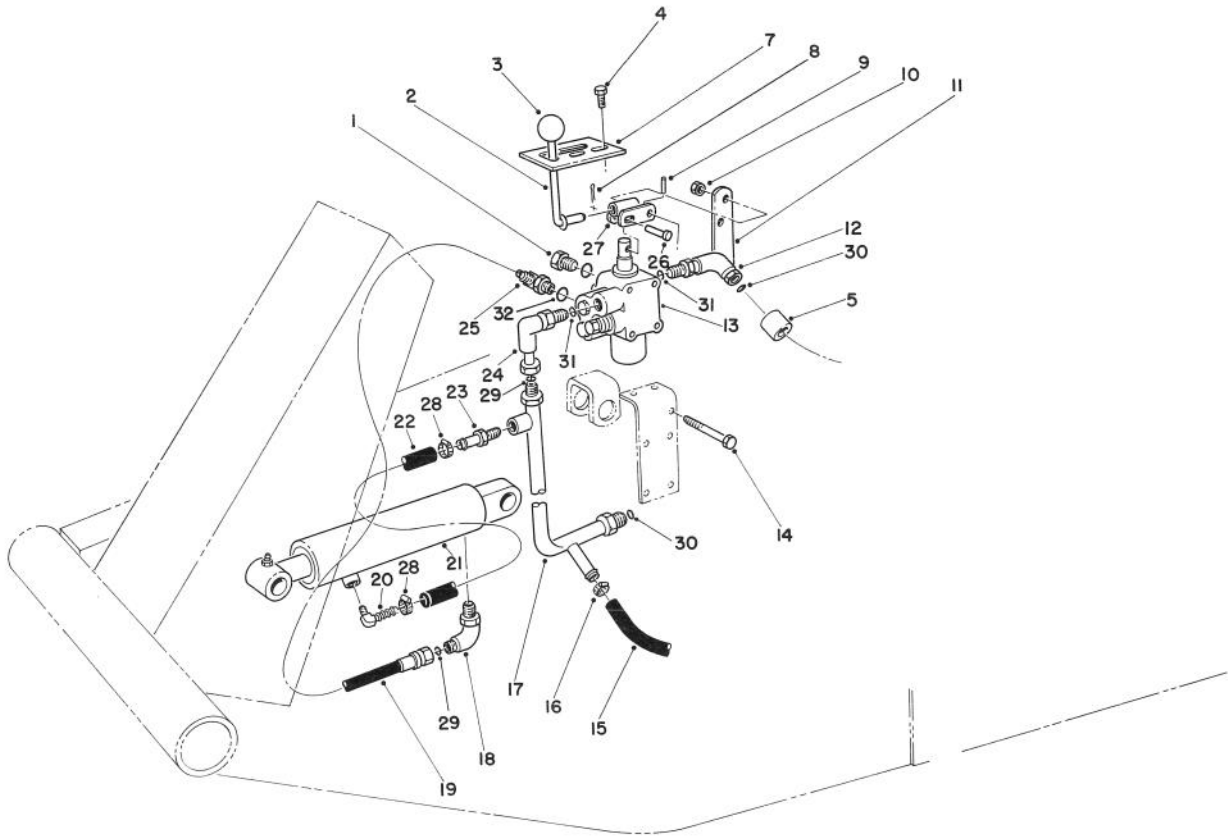


T-0425A

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

Ref. No.	Part No.	Description	No. Used
51	25-2440	Pump Valve Plate	1
52	25-2430	Dowel Pin	2
53	46-8400	Needle Bearing	2
54	62-4290	O-Ring	2
55	92-8918	Center Section	1
57	25-2390	Motor Valve Plate	1
58	46-8410	Motor Shaft	1

Ref. No.	Part No.	Description	No. Used
59	25-2400	Gasket	1
60	93-0312	Washer	4
61	92-8776	Plug (Incl. Ref. #62)	2
62	92-8777	O-Ring	2
63	49-8520	Kit - Relief, Implement (Incl. Ref. #7 & 28-31)	1



T-0426A

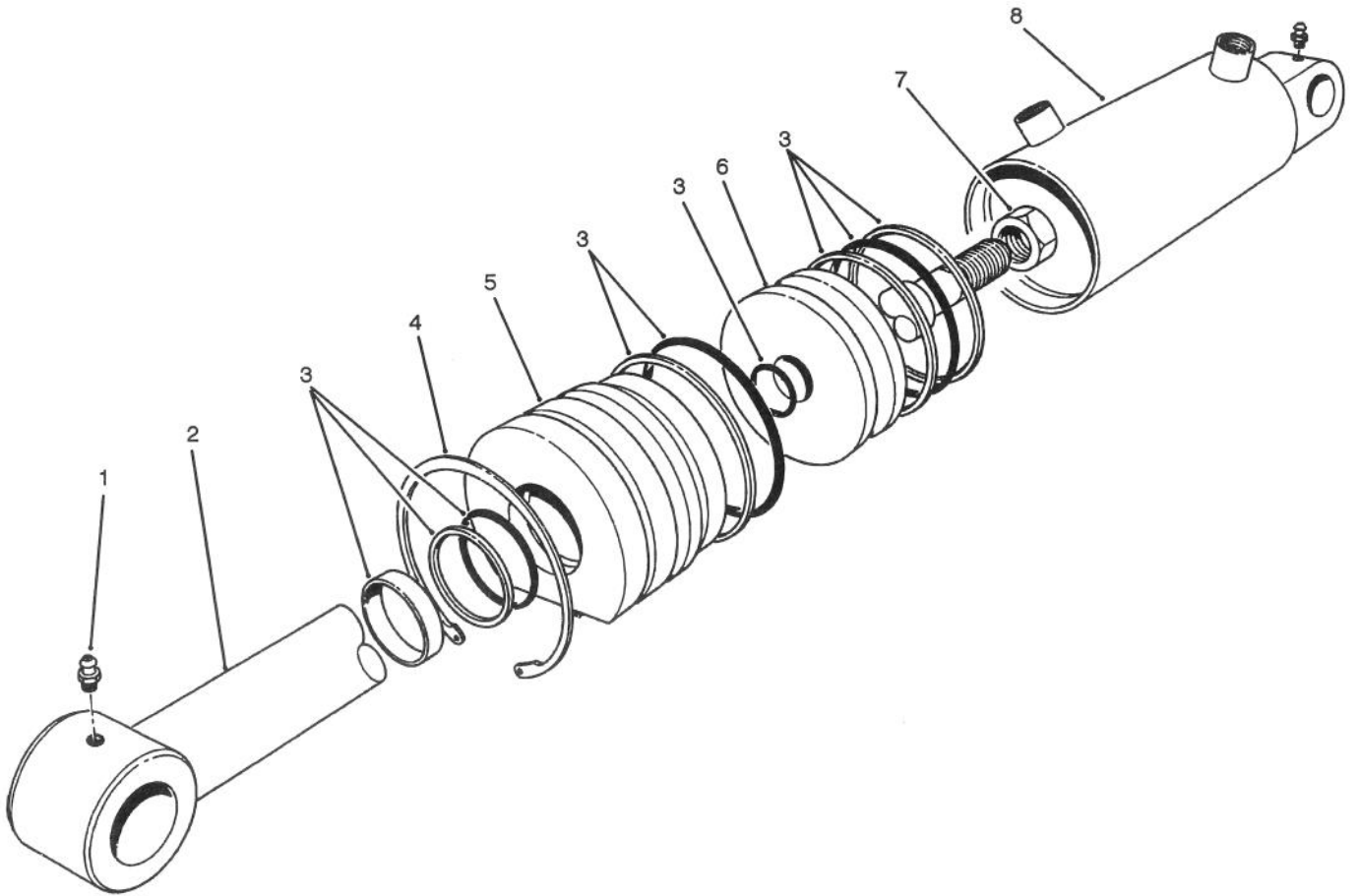
## VALVE & CYLINDER ASSEMBLY

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

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

\*Not Illustrated





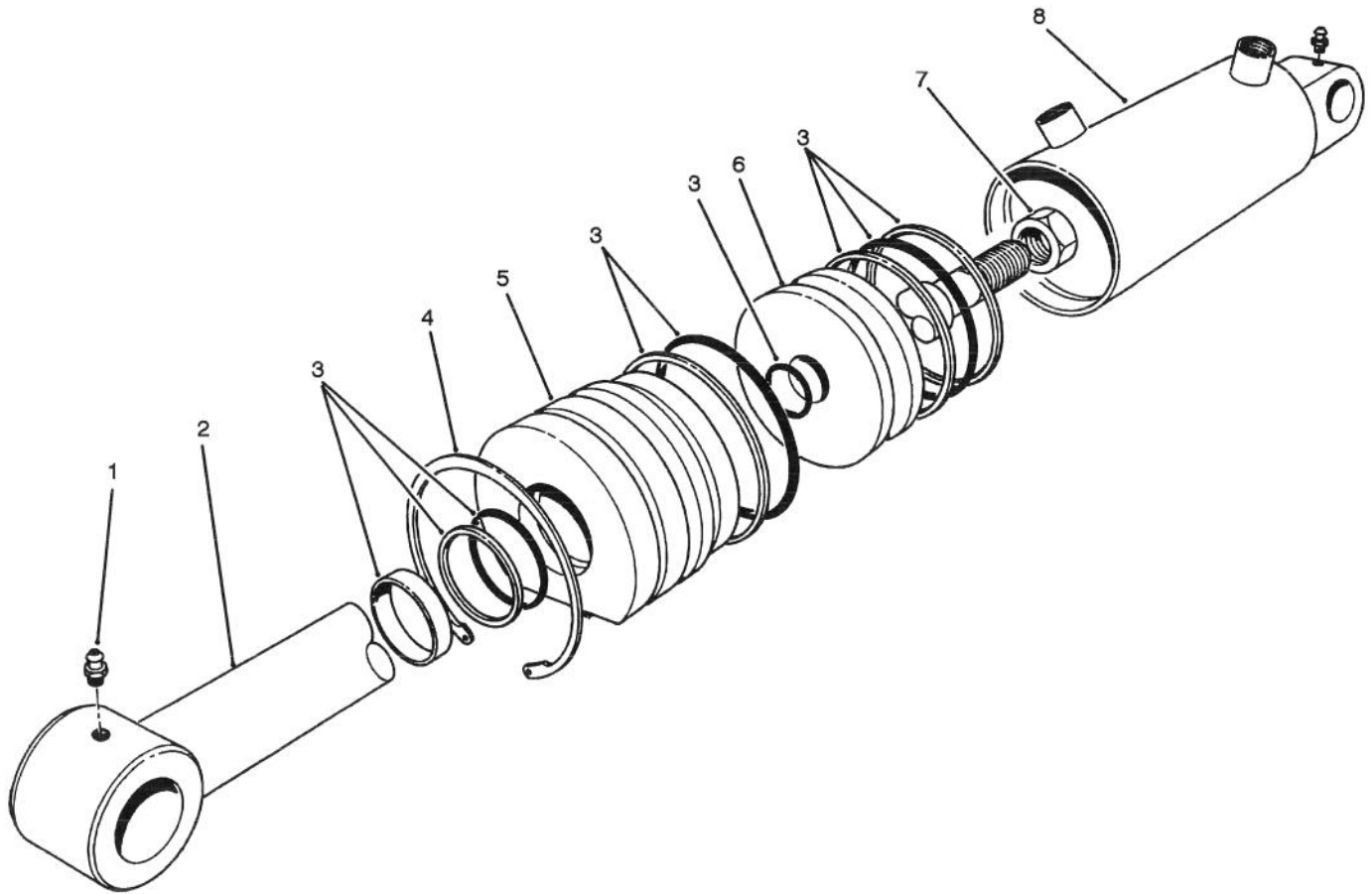
T-0527

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

Ref. No.	Part No.	Description	No. Used
1	302-55	Fitting - Grease	2
2	61-4980	Shaft - w/Clevis	1
3	61-4960	Repair Kit	1
4	61-4990	Ring - Retaining	1

Ref. No.	Part No.	Description	No. Used
5	60-9780	Head	1
6	60-9770	Piston	1
7	60-9760	Nut	1
*8		Barrel	1

\*Not available separately.



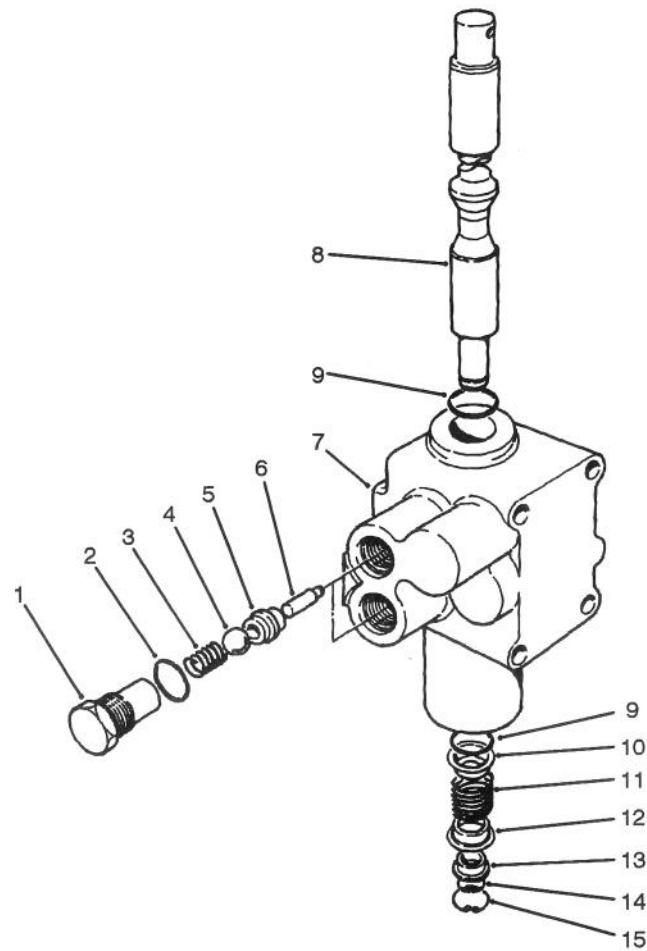
T-0527

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

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

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

\*Not available separately.

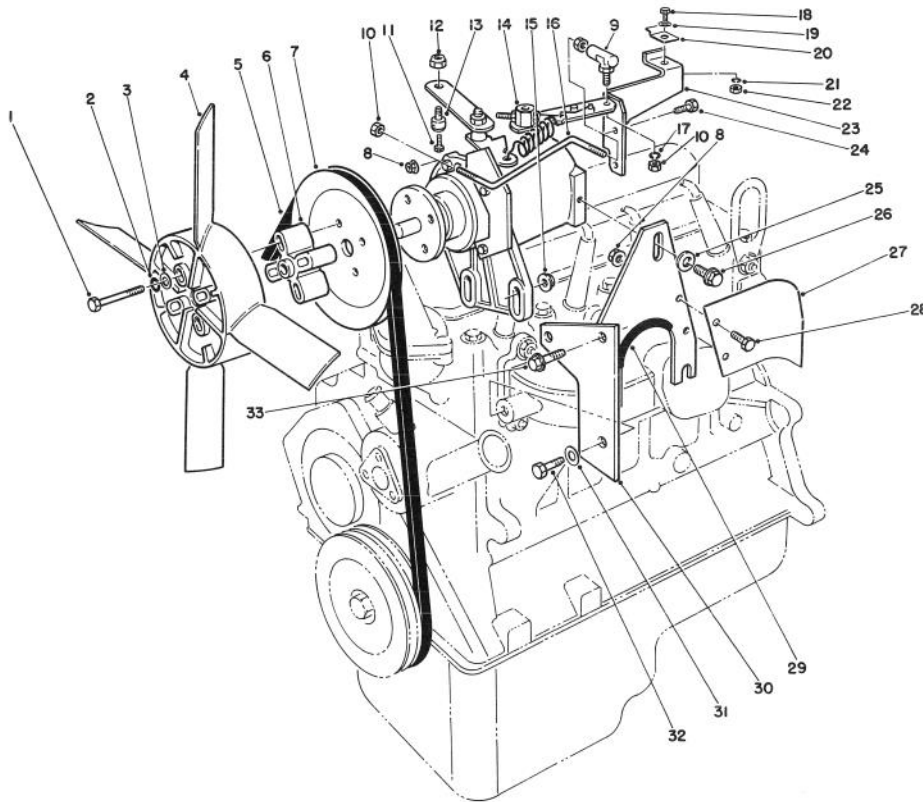


T-0428

## CONTROL VALVE ASSEMBLY NO. 43-1710

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

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



T-0921

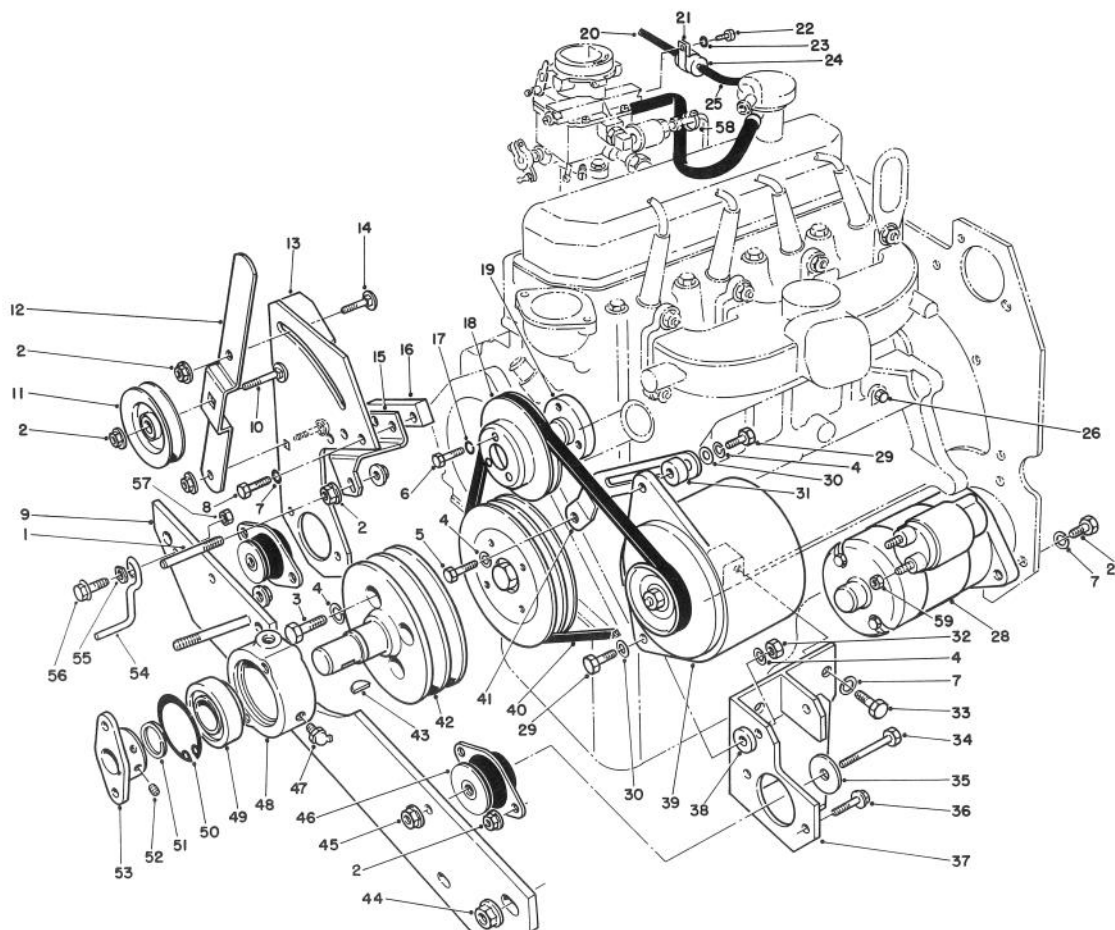
## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-12	Screw - Cap, Hex Hd.	4
2	3253-4	Washer - Lock	4
3	3256-2	Washer - Flat	4
†4	E7JL-8600-AA	Fan	1
5	67-8510	Belt - Fan	1
6	67-8390	Spacer - Fan	1
7	67-8380	Pulley - Fan	1
8	32128-33	Nut - Lock, Flange	4
9	21-5640	Joint - Ball	1
10	3219-14	Nut - Hex	3
11	25-8640	Screw - Machine	1
12	3296-20	Nut - Lock	1
13	43-3780	Swivel - Cable Throttle	1
14	67-8360	Governor	1
15	3290-357	Nut - Lock, Flange	2
16	67-8250	Rod - Throttle	1
17	3253-12	Washer - Lock	1

Ref. No.	Part No.	Description	No. Used
18	321-4	Screw - Cap, Hex Hd.	1
19	3256-22	Washer - Flat	1
20	2412-31	Clamp - Cable	1
21	3253-3	Washer - Lock	1
22	3217-5	Nut	1
23	67-8240	Bracket - Throttle	1
24	321-6	Screw - Cap, Hex Hd.	2
25	3256-56	Washer - Flat	1
26	3234-5	Screw - Lock, Flange Hd.	1
27	67-8920	Shield - Heat	1
28	321-39	Screw - Cap, Hex Hd.	2
29	70-2040	Guard - Trim	1
30	67-9150	Support - Governor	1
31	42-9780	Washer - Flat	1
32	48-7710	Screw - Cap, Hex Hd.	1
33	3234-11	Screw - Lock, Flange Hd.	2

\*Not Illustrated

†Obtain from your local Ford Power Products Dealer.

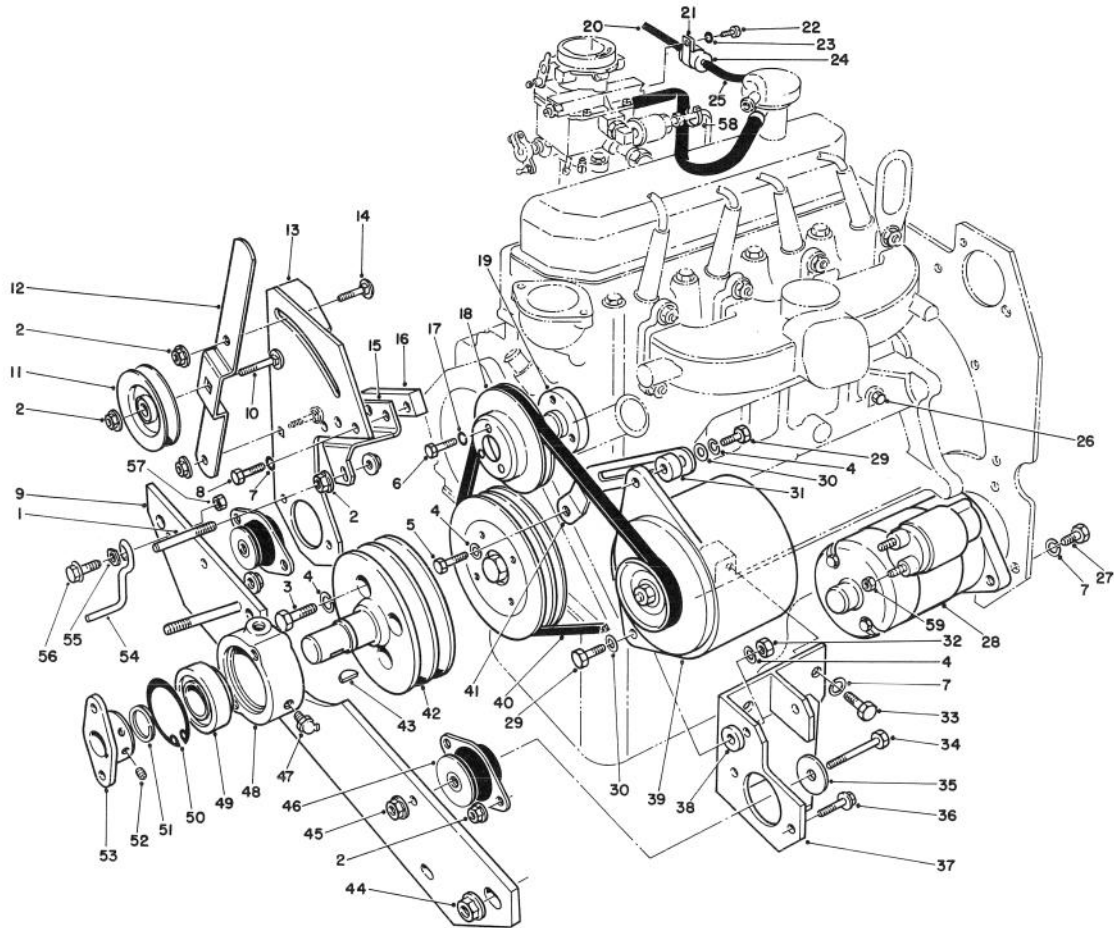


T-0922A

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-1820	Stud - Retainer Belt	3	†26	353055-S7	Plug - Water Drain	1
2	3290-357	Nut - Lock, Flange	12	27	48-9470	Screw - Metric	3
3	42-9500	Screw - Metric	4	†28	91AB-11000-JB	Starter	1
4	42-9850	Washer - Lock	8	29	42-9530	Screw - Metric	3
5	48-7730	Screw - Metric	1	30	42-9780	Washer - Flat	4
6	43-2600	Screw - Metric	3	31	67-9010	Spacer - Alternator	1
7	42-9600	Washer - Lock	8	32	48-7930	Nut Metric	2
8	48-7800	Screw - Metric	3	33	48-7780	Screw - Metric	2
9	75-9900	Support - Engine Front	1	34	324-11	Screw - Cap Hex. Hd.	2
10	3231-28	Bolt - Carriage	1	35	53-9480	Washer - Snubber	2
11	63-8140	Pulley - Idler	1	36	3234-11	Screw - Flange Lock	4
12	67-8890	Arm - Idler	1	37	67-8260	Mount - Engine Front L.H.	1
13	67-8310	Mount - Engine Front R.H.	1	38	67-8900	Spacer - Alternator	1
14	3231-22	Bolt - Carriage	2	†39	86AX-10300-DB	Alternator	1
15	67-8350	Bracket - Guide Belt	1	40	92-9785	Belt - Alternator	1
16	67-8340	Bar - Spacer	1	†41	89BF-10145-AB	Arm Adjust Alternator	1
17	43-5930	Washer - Lock	3	42	67-8460	Pulley - Engine	1
†18		Pulley - Water Pump	1	43	3257-33	Key - Woodruff	1
19	67-8910	Spacer - Pulley	1	44	32128-23	Nut - Lock, Flange	2
20	70-1920	Hose - Vacuum	1	45	32128-37	Nut - Lock, Flange	2
†21	384007-5	Clamp - Valve	1	46	53-9680	Mount - Engine	2
22	3250-29	Screw - Pan Hd.	1	47	302-10	Fitting - Grease	1
23	3256-21	Washer - Flat	1	48	43-3720	Collar Bearing	1
†24	D4FZ-9C369-A	Fuel Separator	1	49	251-252	Bearing	1
25	70-1910	Hose - Vac. Advance	1	50	32120-22	Ring - Retaining Int.	1

†Obtain from your local Ford Power Products Dealer.

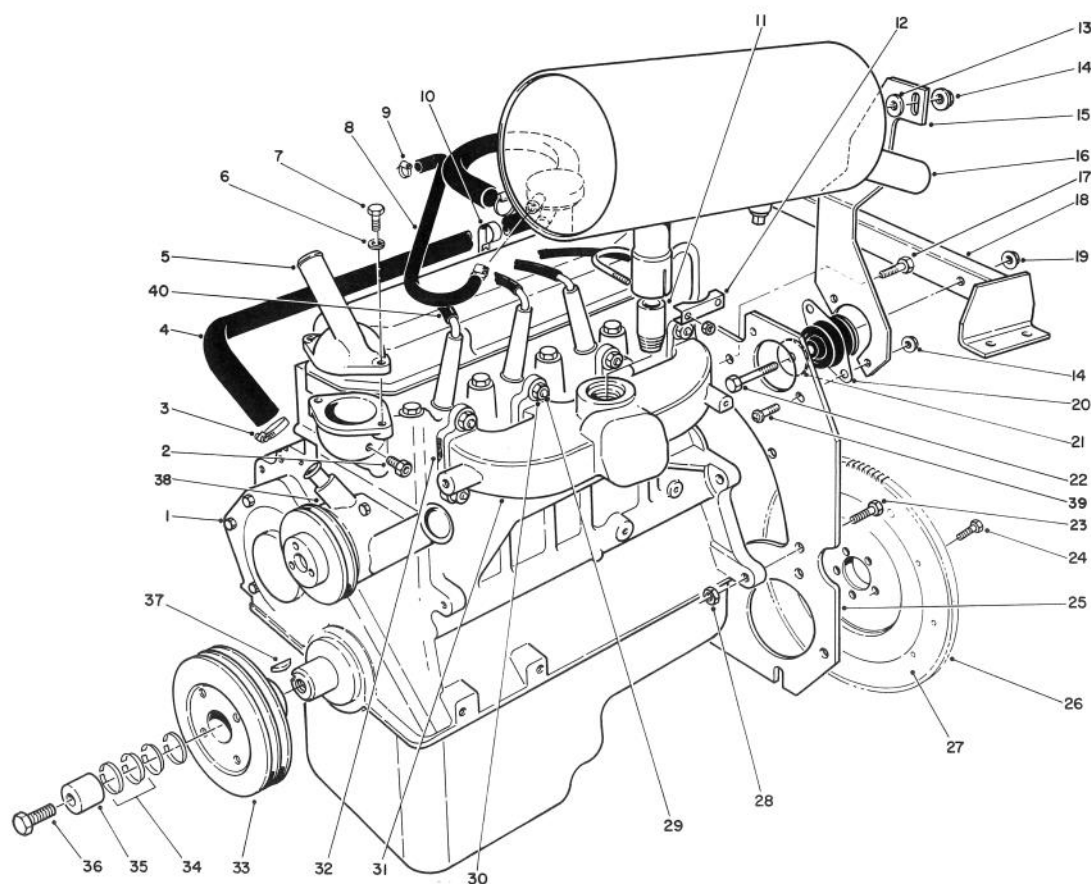


T-0922A

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
51	32120-69	Ring - Retaining Ext.	1
52	3245-5	Screw - Set	2
53	27-1960	Hub - Engine	1
54	63-1400	Rod - Belt	1
55	3290-224	Washer - Pyramidal	1

Ref. No.	Part No.	Description	No. Used
56	3234-18	Screw - Hex. Hd. Flange	1
57	32153-2	Nut - Lock	1
58	3290-379	Cable - Tie	3
59	48-7890	Nut	1



T-0923A

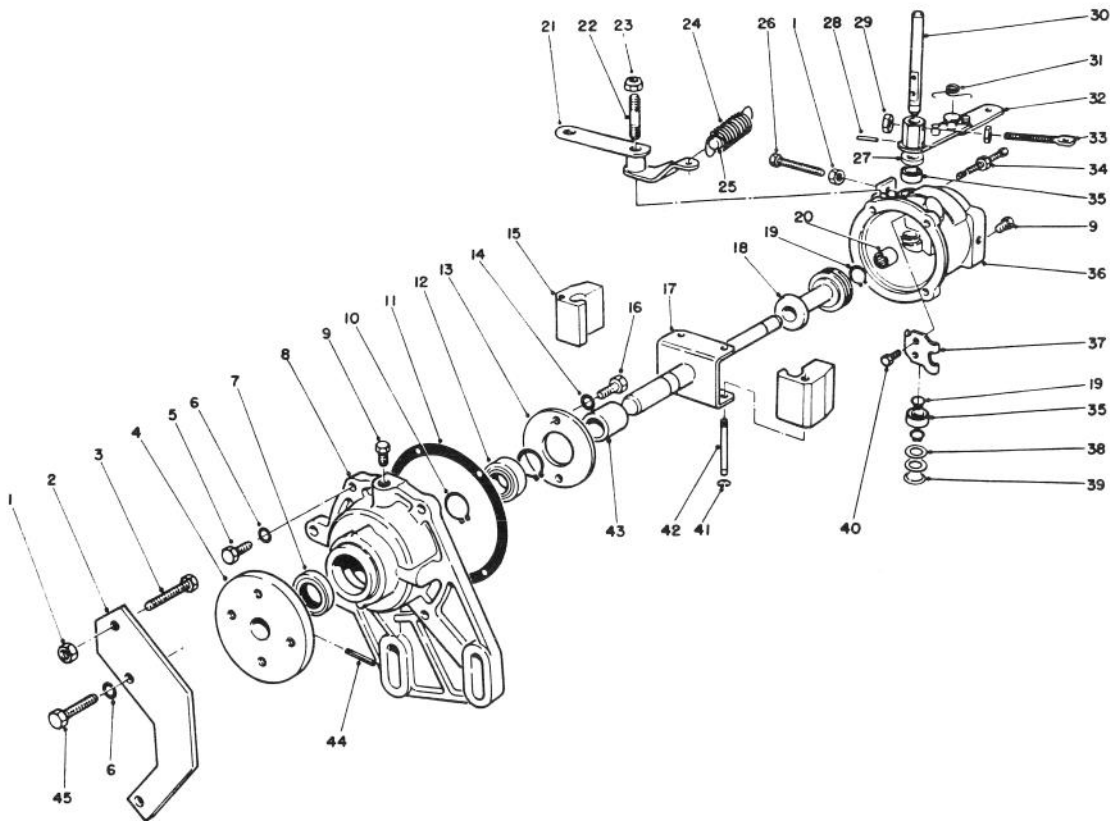
## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
‡1	Model VSG-411	Engine TYPE 6005A	1
2	70-1690	Adapter - Gauge Temp.	1
3	2412-119	Clamp - Hose	2
4	70-1670	Hose - Heater	1
5	67-8940	Connector - Outlet	1
†6	E630173-S71 M	Washer - Lock	2
†7	E6021 87-S72	Screw - Cap	2
8	70-2050	Hose - Breather	1
9	2412-108	Clamp	2
10	2412-39	Clamp - R	1
11	67-9130	Pipe - Muffler	1
12	2112-6	Clamp - Muffler	1
13	5-0652	Spacer	1
14	3290-357	Nut - Lock, Flange	5
15	67-8420	Bracket - Muffler	1
16	67-9120	Muffler	1
†17	N605799-S2	Bolt	2
18	67-8480	Support - Engine Rear	1
19	32128-37	Nut - Lock, Flange	2
20	53-9680	Mount - Engine	2
21	53-9480	Washer - Snubber	2

Ref. No.	Part No.	Description	No. Used
22	324-11	Screw - Cap, Hex Hd.	2
†23	N80057-S2	Bolt	4
†24	D2RY-6379-A	Bolt	6
25	67-8440	Plate - Support Engine	1
†26	D8RZ-6384A	Ring Gear - Flywheel	1
†27	89BM-6375-AA	Flywheel Assembly (Incl. Ref. #26)	1
†28	N620482-S2	Nut	4
†29	E805697-S76	Stud	8
†30	N620481-S2	Nut	8
†31	EBJL-9430-CA	Manifold - Exhaust	1
†32	89BM-9448-BA	Gasket - Manifold	4
†33	E7JL-6A312-AA	Pulley	1
†34	E7JL-6N300-AA	Locking Ring Set	2
†35	E7JL-6378-AA	Compression Ring	1
†36	E7JL-6K340-AA	Bolt	1
†37	Dory-6B316-A	Key	1
†38	92BX8591-BA	Water Pump Kit (Incl. Pulley & Gasket)	1
39	3234-11	Screw - Flange Lock	4
40	86-7921	Cover - Spark Plug Wire	4

†Obtain from your local Ford Power Products Dealer.

‡Note: Includes all Ford part numbers from all pages.



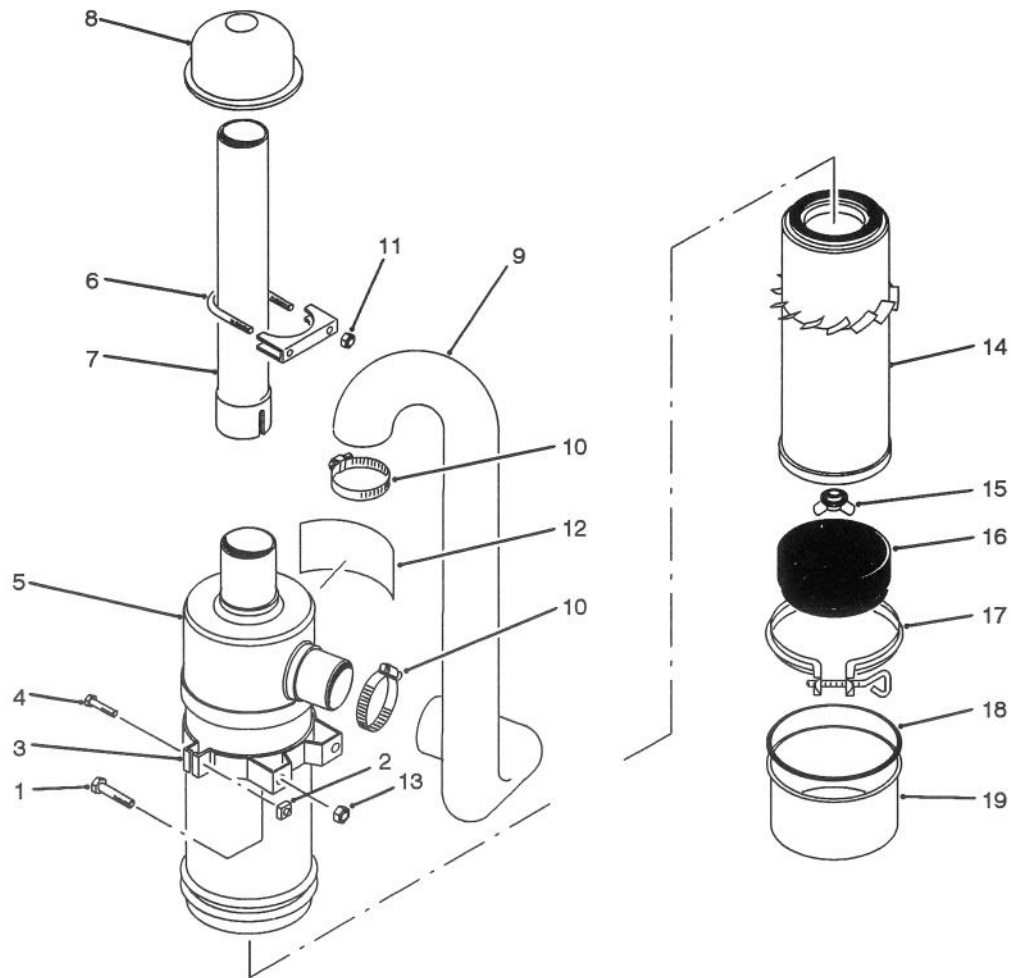
T-0933

## GOVERNOR ASSEMBLY NO. 67-8360

Ref. No.	Part No.	Description	No. Used
1	3219-1	Nut	2
2	70-2160	Bracket - Speed Stop	1
3	72-5920	Screw	1
4	67-8370	Hub	1
5	18-5620	Screw	2
6	18-5630	Washer - Lock	4
7	18-5580	Seal - Oil Front	1
8	70-2060	Cover - Governor	1
9	285-17	Plug - Pipe	2
10	18-5640	Ring - Retaining	2
11	18-5790	Gasket	1
12	70-2140	Bearing - Front	1
13	70-2130	Clamp - Bearing to Cover	1
14	18-5770	Washer - Lock	2
15	70-2150	Flyweight	2
16	329-3	Screw - Cap, Hex. Hd.	2
17	70-2110	Main Shaft & Yoke	1
18	70-2100	Sleeve & Bearing Assy.	1
19	18-5540	Ring - Retaining	3
20	72-5940	Bearing - Needle	1
21	70-2070	Lever - Speed Adjusting	1
22	70-2090	Stud - Pivot Lever	1
23	3296-5	Nut - Lock	1
24	72-5860	Spring - Governor	1

Ref. No.	Part No.	Description	No. Used
24	72-5860	Spring - Governor	1
25	72-5850	Pin - Force Idle	1
26	72-5930	Screw	1
27	71-4780	Seal - Oil Rocker Shaft	1
28	18-5750	Pin	1
29	3219-2	Nut	2
30	72-5890	Shaft - Rocker	1
31	18-5410	Spring - Torsion	1
32	72-5880	Throttle Lever Assy. (Incl. Ref. #31)	1
33	72-5870	Eyebolt	1
34	72-5910	Bumper Screw Assy.	1
35	18-5450	Bearing	2
36	70-2080	Body	1
37	18-5520	Lever - Rocker	1
38	18-5440	Spacer	2
39	18-5430	Plug - Expansion	1
40	18-5530	Screw & Lockwasher	2
41	18-5670	Retainer - Pin Pivot	2
42	18-5660	Pin - Pivot Flyweight	2
43	70-2120	Spacer	1
44	32121-51	Pin - Hub To Shaft	1
45	71-4770	Screw	2



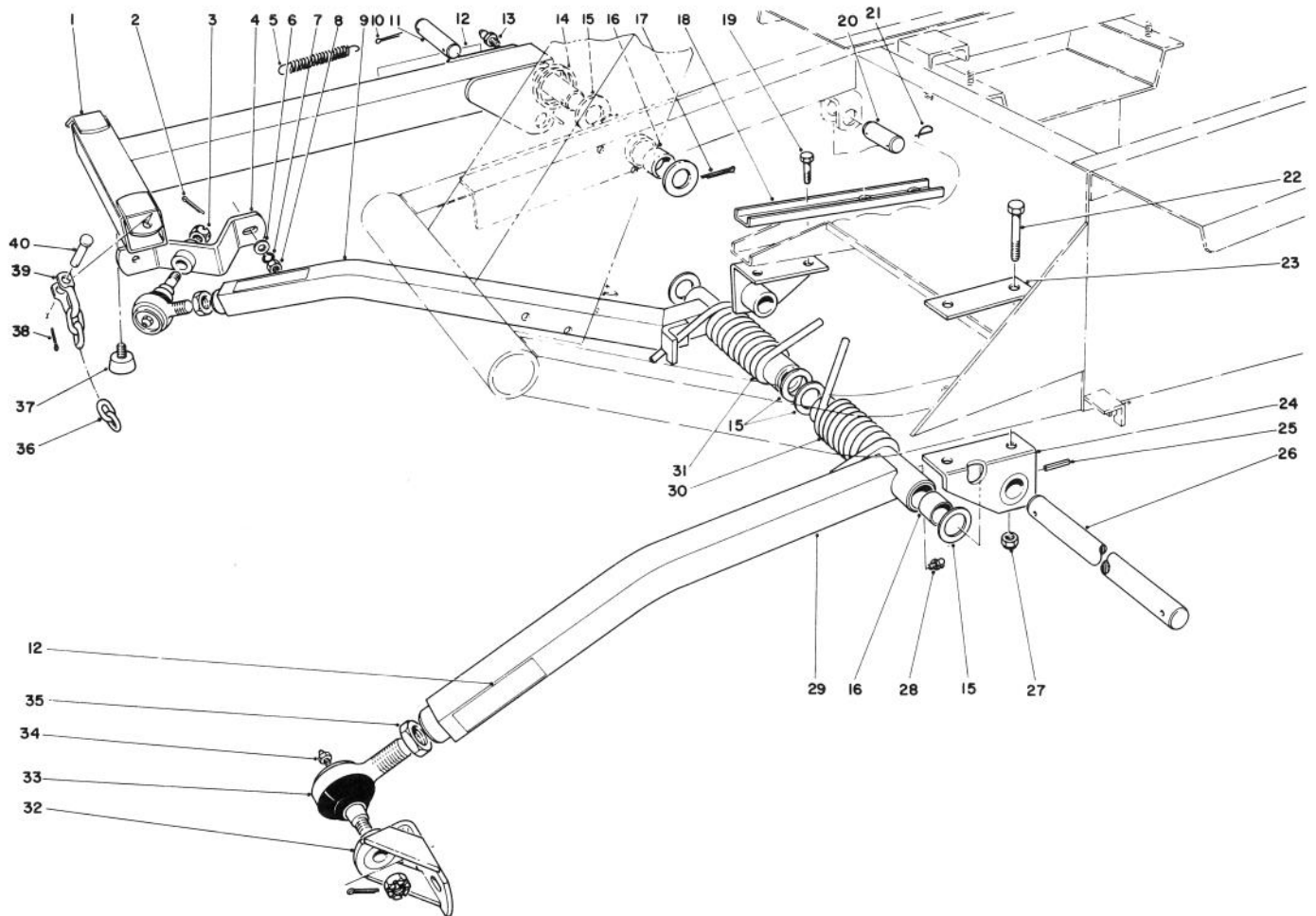


T-0934

### AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-3	Screw - Cap, Hex. Hd.	4
2	32107-11	Nut	2
3	27-7170	Band Assembly (Incl. Ref. #2 & 4)	2
4	3258-19	Round Hd. Machine Screw	2
5	27-7100	Air Cleaner Assembly (Incl. Ref. #12-18)	1
6	20-4840	Muffler Clamp (Incl. Ref. #11)	1
7	43-3810	Tube Air Cleaner	1
8	27-7180	Cap Assembly - Air Inlet	1

Ref. No.	Part No.	Description	No. Used
9	82-5590	Hose - Air Cleaner	1
10	2412-42	Hose Clamp	2
11	3217-6	Nut	2
12	27-7160	Decal - Instructions	1
13	32128-20	Nut - Lock, Flange Hd.	4
14	27-7110	Element Assembly	1
15	27-7120	Nut & Gasket Assembly	1
16	27-7140	Skirt - Baffle	1
17	27-7130	Clamp Assembly	1
18	80-3330	Gasket	1
19	27-7150	Cup Assembly	1

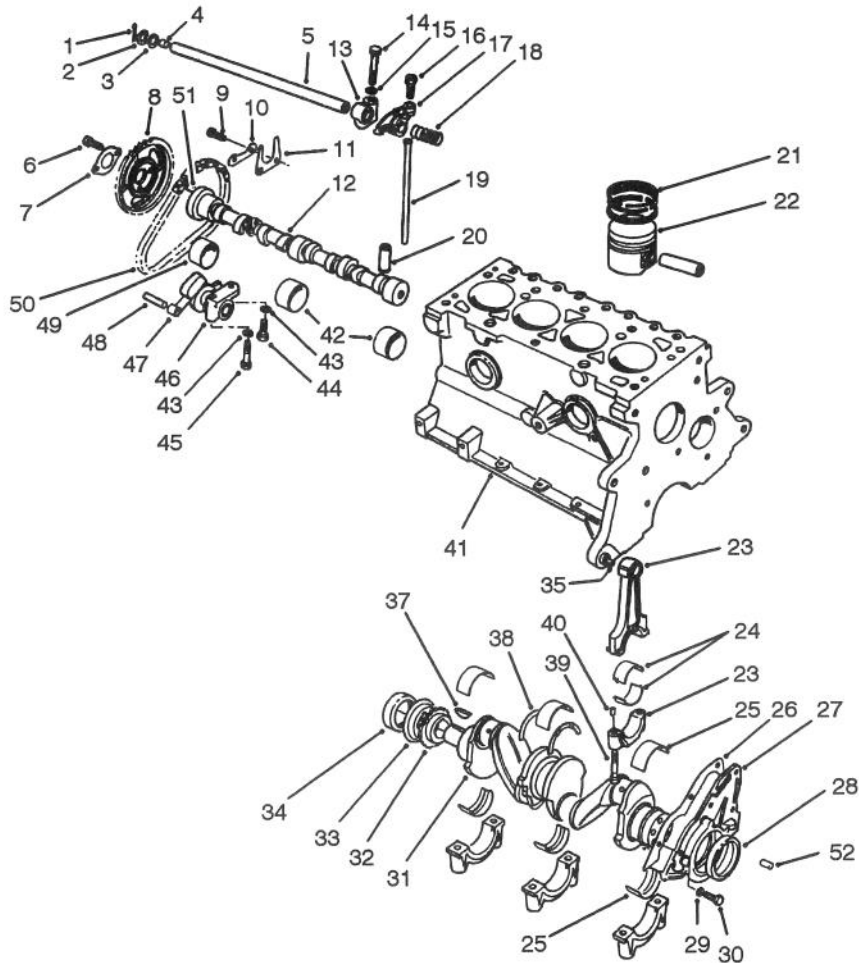


T-0440

## PUSH ARM ASSEMBLY

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

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



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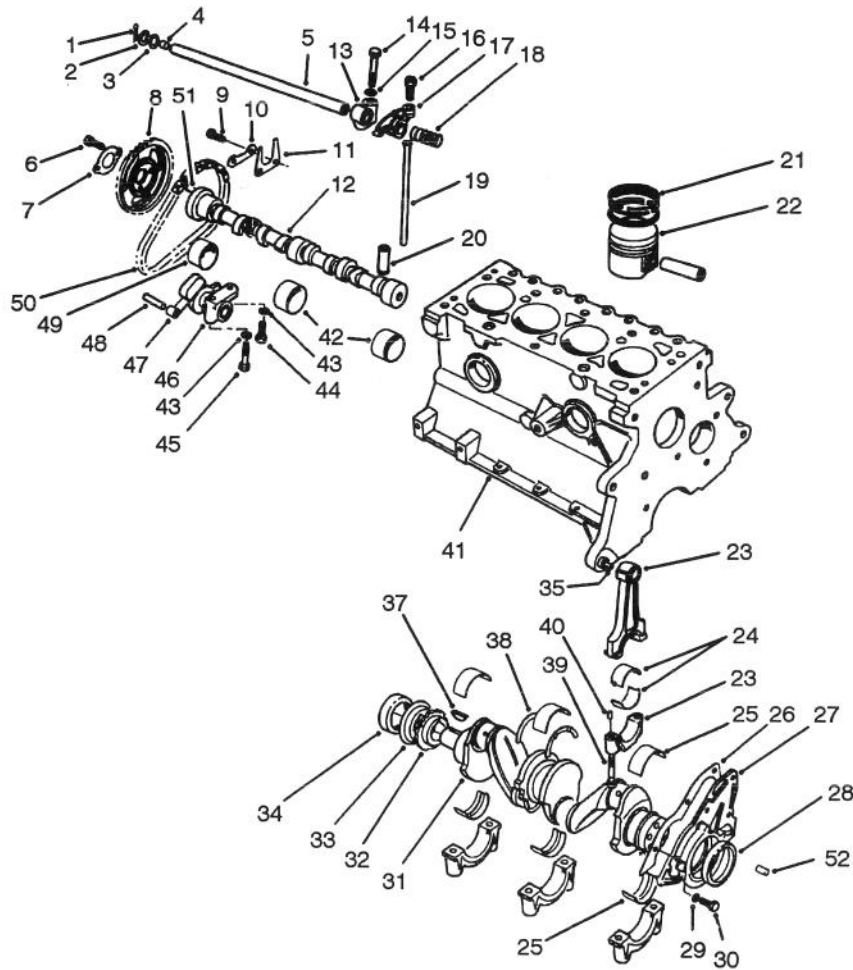
## CRANKSHAFT & CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72025-S7	Cotter Pin	2
2	77BM-6598-AB	Washer - Spring	2
3	DORY-6590-A	Washer - Flat	2
4	357966-S	Plug - Rocker Arm Shaft	2
5	89BM-6A557-AA	Rocker Arm Shaft Assy. (Incl. Ref. #4)	1
6	E602351-S72	Bolt	2
7	DORY-6258-A	Retainer	1
8	77BM-6256-AA	Sprocket - Camshaft	1
9	N602166-S2	Bolt	2
10	DORY-6255-A	Retainer	1
11	DORY-6269-A	Plate - Thrust	1
12	89BM-6251-AA	Camshaft	1
13	77BM-6531-BB	Support - Rocker Shaft	4
14	E800509-S72	Bolt - Rocker Support	4
15	E630031-S101	Washer	4
16	DORY-6549-B	Screw	8
17	89BM-6529-AB	Valve Rocker Arm - R.H. (Incl. Ref. #16)	4
*	89BM-6K528-AB	Valve Rocker Arm - L.H. (Incl. Ref. #16)	4
18	DORY-6587-A	Spring - Locating	3
19	89BM-6565-AA	Rod - Valve Push	8
20	89BM-6500-AA	Tappet - STD.	8
21	89BM-6148-AA	Ring Set - STD.	4
*	89BM-6148-BA	Ring Set - .020 OS.	A/R
*	89BM-6148-CA	Ring Set - .040 OS.	A/R

Ref. No.	Part No.	Description	No. Used
22	89BM-6102-AA	Piston Assembly STD. (Incl. Ref. #21)	4
*	89BM-6102-BA	Piston Assembly .020 OS. (Incl. Ref. #21)	A/R
*	89BM-6102-CA	Piston Assembly .040 OS. (Incl. Ref. #21)	A/R
23	89BM-6200-AD	Connecting Rod Assy.	4
24	89BM-6211-AA	Bearing - Rod STD.	8
*	89BM-6211-BA	Bearing - Rod .001 U.S.	A/R
*	89BM-6211-CA	Bearing - Rod .010 U.S.	A/R
*	89BM-6211-DA	Bearing - Rod .020 U.S.	A/R
*	89BM-6211-EA	Bearing - Rod .030 U.S.	A/R
25	89BM-6333-AA	Bearing - Crank Upper STD. OD STD. ID	5
*	89BM-6331-AA	Bearing - Crank Lower STD. OD STD. ID	5
*	89BM-6333-BA	Bearing - Crank Upper STD. OD .005 US. ID	A/R
*	89BM-6331-BA	Bearing - Crank Lower STD. OD .005 US. ID	A/R
*	89BM-6333-CA	Bearing - Crank Upper STD. OD .010 US. ID	A/R

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



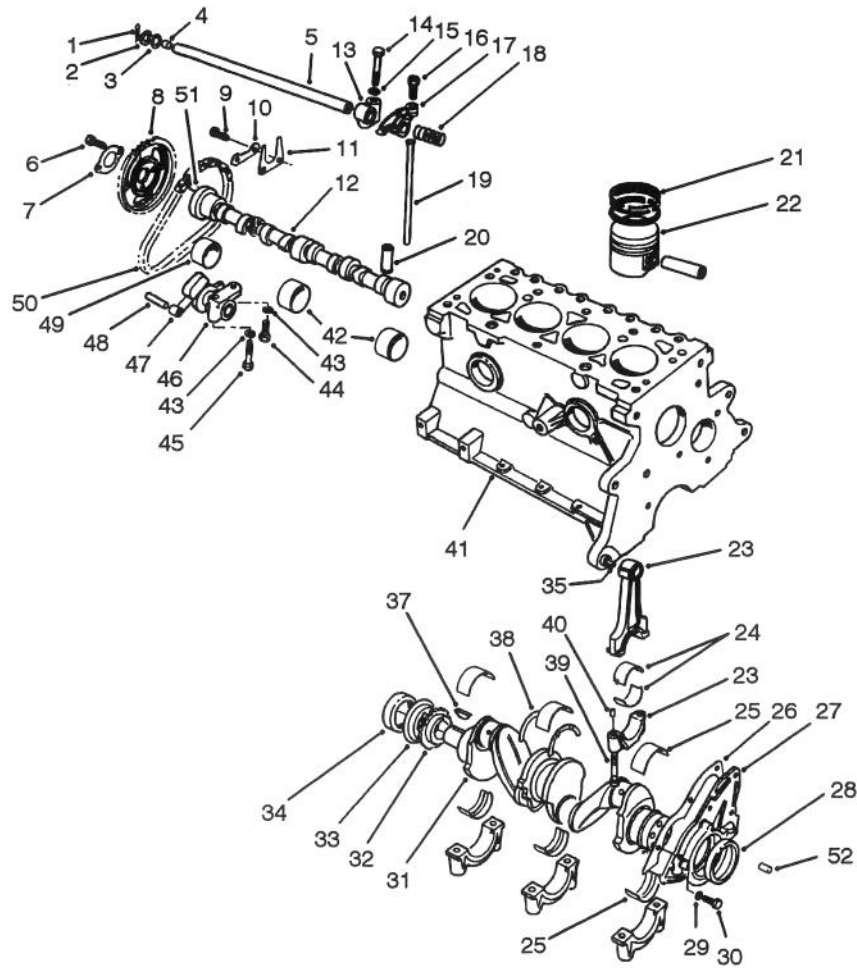
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## CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
*25	89BM-6333-DA	Bearing - Crank Upper 015 OD STD. ID	A/R	27	86BM-6K318-AA	Retainer Assembly Rear	1
*	89BM-6331-DA	Bearing - Crank Lower 015 OD STD. ID	A/R	28	86HM-6701-A1A	Seal Crankshaft Rear	1
*	89BM-6333-EA	Bearing - Crank Upper STD. OD .020 US. ID	A/R	29	E630173-S71M	Lockwasher	4
*	89BM-6331-EA	Bearing - Crank Lower STD. OD .020 US. ID	A/R	30	E602187-S72	Boit	4
*	89BM-6333-FA	Bearing - Crank Upper STD. OD .030 US. ID	A/R	31	89BM-6303-DA	Crankshaft Assembly	1
*	89BM-6331-FA	Bearing - Crank Lower STD. OD .030 US. ID	A/R	32	DORY-6306-A	Sprocket	1
*	89BM-6333-GA	Bearing - Crank Upper .015 OS. OD .010 US. ID	A/R	33	D8RZ-6310-A	Slinger Oil	1
*	89BM-6331-GA	Bearing - Crank Lower .015 OS. OD .010 US. ID	A/R	34	83BM-6700-A4A	Seal - Front Cover	1
*	89BM-6333-HA	Bearing - Crank Upper .015 OS. OD .020 U.S. ID	A/R	35	70HM-6397-AA	Dowel	2
*	89BM-6331-HA	Bearing - Crank Lower .015 OS. OD .020 US. ID	A/R	37	D0RY-6B316-A	Key - Woodruff	1
26	89BM-6344-BA	Gasket Rear Retainer	1	38	89BM-6A341-AA	Washer - Bearing Thrust STD.	2
				*	89BM-6A341-BA	Washer - Bearing Thrust .015 OS.	A/R
				39	89BM-6214-DB	Bolt - Connecting Rod	8
				40	116336-ES100	Dowel Pin - Rod	8
				41	93BM-6011-AA	Cylinder Block	1
				42	DORY-6262-C	Bearing - STD. ID STD. OD	2
				*	DORY-6262-B	Bearing - STD. ID +.020 OD	A/R
				43	34805-S8	Lockwasher	2
				44	E602166-S72	Bolt	1
				45	E600116-S204	Bolt	1
				46	DIFZ-6284-A	Tensioner	1

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



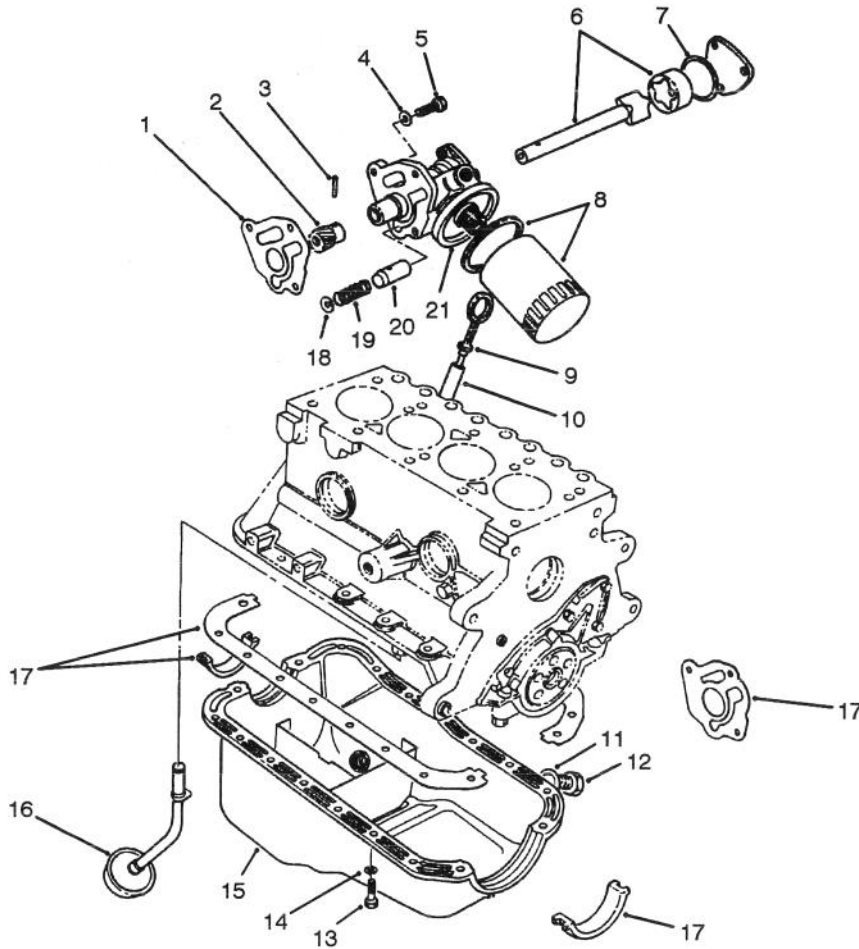
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## CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
47	77BM-6K255-AC	Arm - Tensioner	1	50	DORY-6268-A	Chain	1
48	E43-CP-1	Pin	1	51	E93A-6253-A	Dowel	1
49	DORY-6261-A	Bearing - STD. ID STD. OD	1	52	E-840161-S	Dowel	1
*	DORY-6261-B	Bearing - STD. ID +.020 OD	A/R	*	88BX-6008-AA	Gasket Kit Complete	1
				*	88BX-6014-AA	Gasket Kit Upper	1

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.

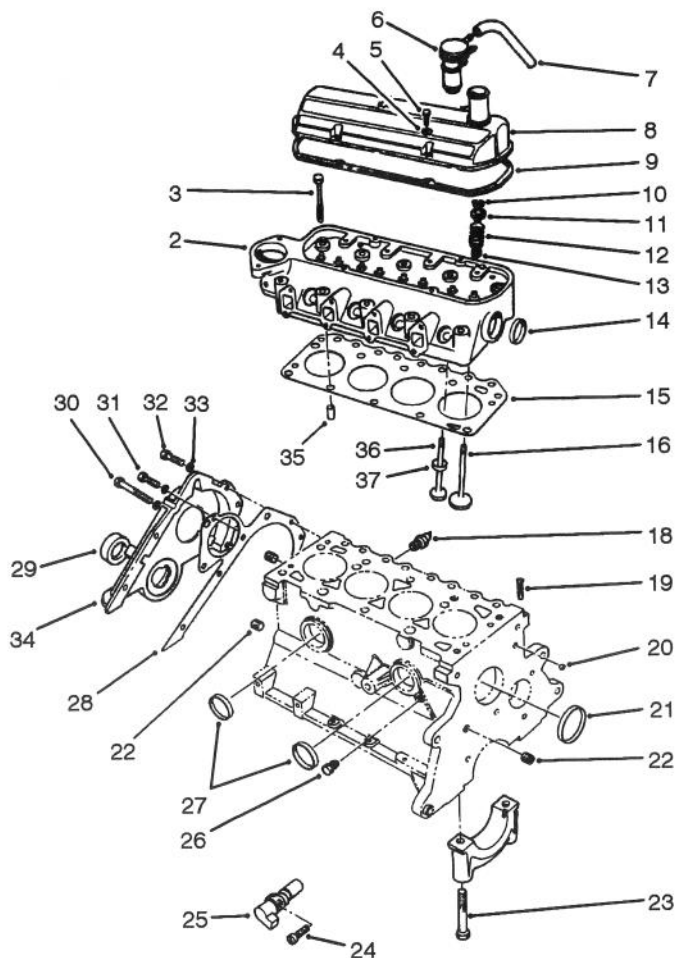


T-1003

## OIL PUMP & FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	89BM-6659-AA	Gasket - Oil Pump	1	12	E9DZ-6730-B	Plug - Oil Drain	1
2	DORY-6652-A	Gear	1	13	E602165-S72	Bolt	18
3	72432-S	Pin - Drive Gear	1	14	34805-S8	Lockwasher	18
4	E630173-571M	Lockwasher	3	15	86BM-6675-AA	Oil Pan	1
5	E800519-S72	Bolt	3	16	86BM-6617-AA	Oil Pickup Tube Assy.	1
6	DIFZ-6608-B	Rotor & Shaft	1	17	A850X-6013-AA	Kit - Gasket Seal	1
7	116682-ES	Seal Cover Plate	1	18	DORY-6666-A	Plug	1
8	FL-400-A	Filter - Oil	1	19	DORY-6670-A	Spring	1
9	92BM-6750-AA	Indicator - Oil Level	1	20	DORY-6674-A	Plunger	1
10	89BM-6784-AA	Tube Oil Level Indicator	1	21	D8RZ-6600-A	Pump - Oil	1
11	E9DZ-6734-B	Gasket Oil Drain Plug	1				

Note: Order parts from your local Ford Power Products Dealer.



T-1002A

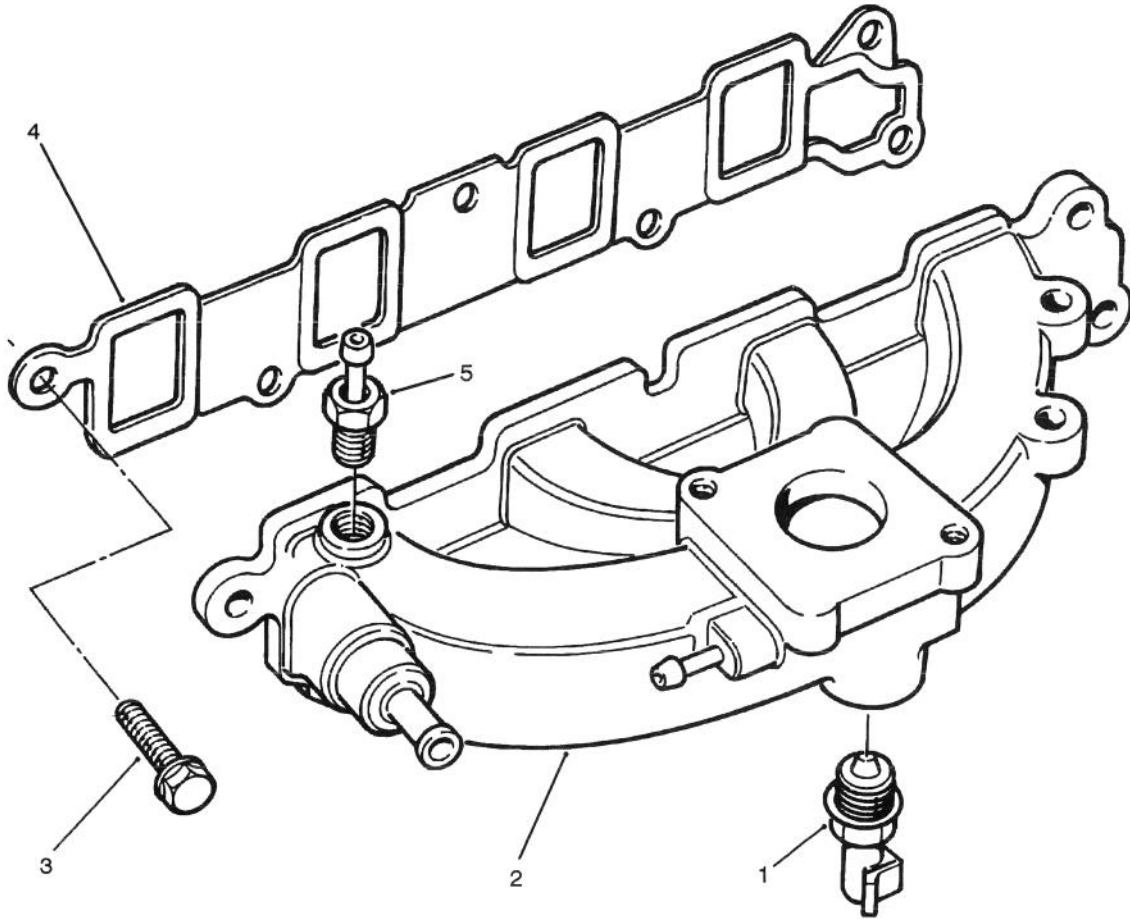
## CYLINDER HEAD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	89BM-6049-HB	Cylinder Head Assembly	1
3	89BM-6065-DA	Bolt - Cylinder Head	10
4	E630024-S201	Washer - Flat	4
5	E800516-S72	Screw - Rocker Cover	4
6	84BF-6K614-CA	Cap - Oil Fill	1
7	E9JL-6K609-AA	Hose - PCV	1
8	91BM-6582-GA	Cover - Rocker Arm	1
9	77BM-6584-CA	Gasket - Cover	1
10	88WM-6518-AA	Lock Valve Spring	16
11	89BM-6A536-AA	Retainer	8
12	89BM-6513-AA	Spring - Valve	8
13	88WM-6571-BB	Seal - Valve Stem	8
14	DORY-6026-A	Plug	1
15	89BM-6051-B2C	Gasket - Cylinder Head	1
16	89BM-6507-AA	Valve - Intake - Std.	4
*	89BM-6507-AC	Valve - Intake .040mm O.S.	A/R
18	E7RZ-9278-A	Switch Oil Pressure	1
19	D8RZ-6767-A	Adapter	1
20	E890100-S	Plug - Ball - Oil Gallery	1

Ref. No.	Part No.	Description	No. Used
21	D8RZ-6026-A	Plug	1
22	F1ZZ-6026-A	Plug	3
23	D1FZ-6345-A	Bolt - Bearing Cap	10
24	E802666-S72	Screw	1
25	89BF-66315-AB	Transducer	1
26	353055-S7	Plug	1
27	DORY-6026-A	Plug	2
28	D8RZ-6020-A	Gasket - Front Cover	1
29	83BM-6700-A4A	Seal - Front Cover	1
30	E800518-S72	Bolt	1
31	E600113-S72	Bolt	3
32	E800512-S72	Bolt	4
33	E832108-S71M	Lockwasher	8
34	89BM-6019-AA	Cover & Seal Assembly (Incl. Ref. #29)	1
35	E840126S	Dowel	2
36	89BM-6505-EA	Valve - Exhaust .040mm O.S.	A/R
*	89BM-6505-CA	Valve - Exhaust Std.	4
37	89BM-6057-A2E	Insert - Exhaust Seat	4

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



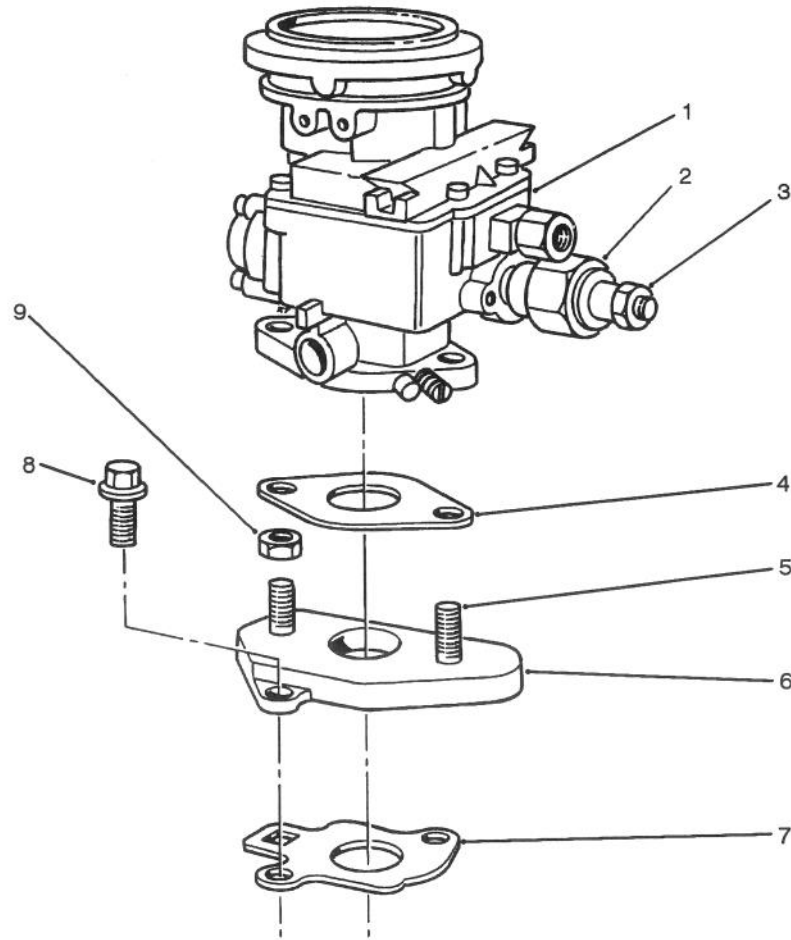
T-1176

### MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	E1AZ-12A648-A	Sensor - Temp. Water	1
2	89BF-9424-AD	Manifold - Intake	1
3	E800157-S72	Bolt	6

Ref. No.	Part No.	Description	No. Used
4	89BM-9441-AB	Gasket - Intake Manifold	1
5	77BF-9K442-AA	Adapter - Vacuum	1





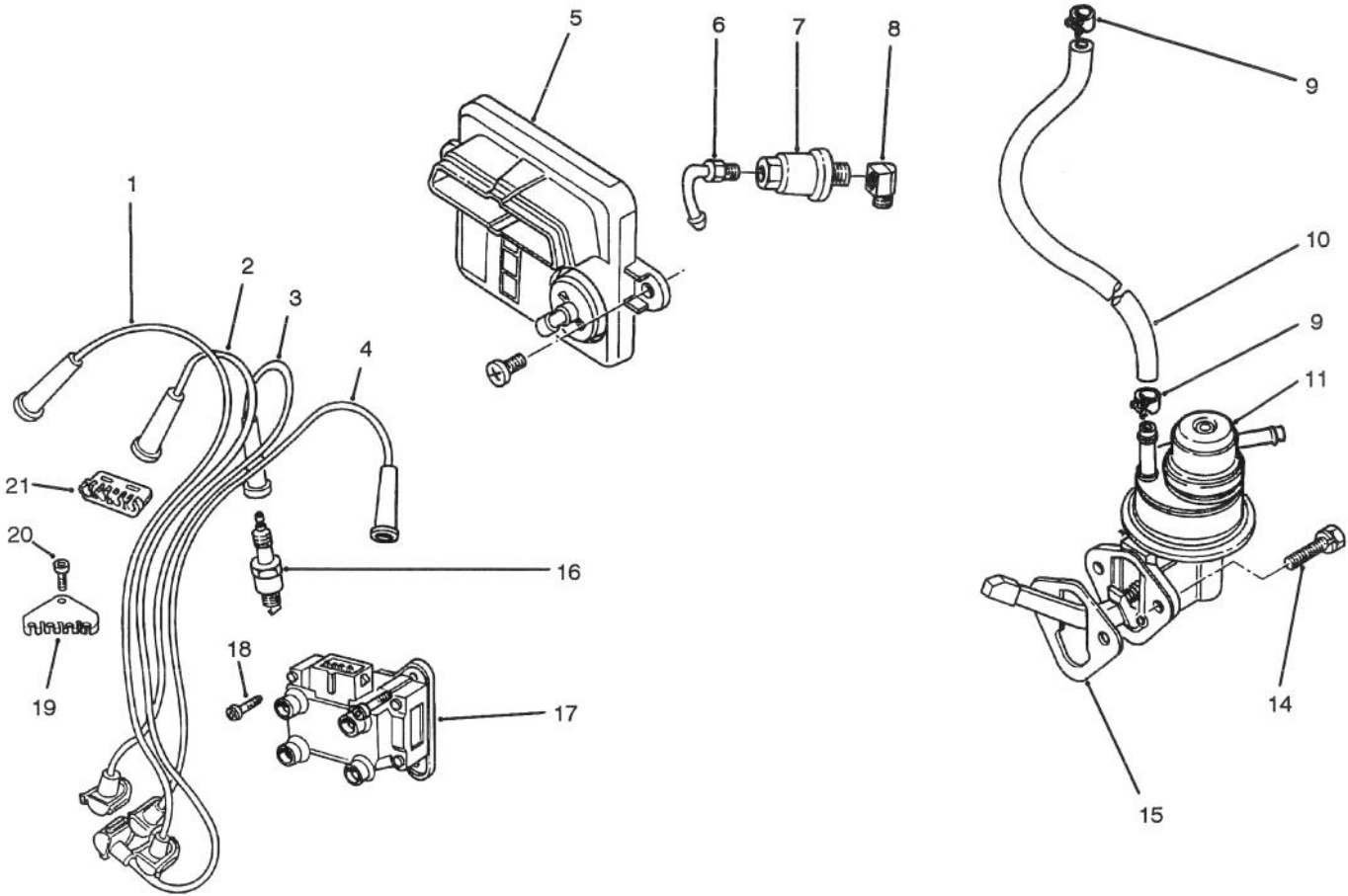
T-0999

## CARBURETOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	FOJL-9510BA	Carburetor Assembly	1	6	E8JL-9A589-CB	Adapter	1
2	84FB-9K765-BA	Solenoid	1	7	87BF-9447-BA	Gasket	1
3	N621903-S2	Nut & Washer	1	8	N800055-S	Bolt	2
4	E5JL-9447-BA	Gasket	1	9	N620041-S51	Nut	2
5	E804216S	Stud	2	*	F0JI-9590-BA	Repair Kit	1

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



T-1233

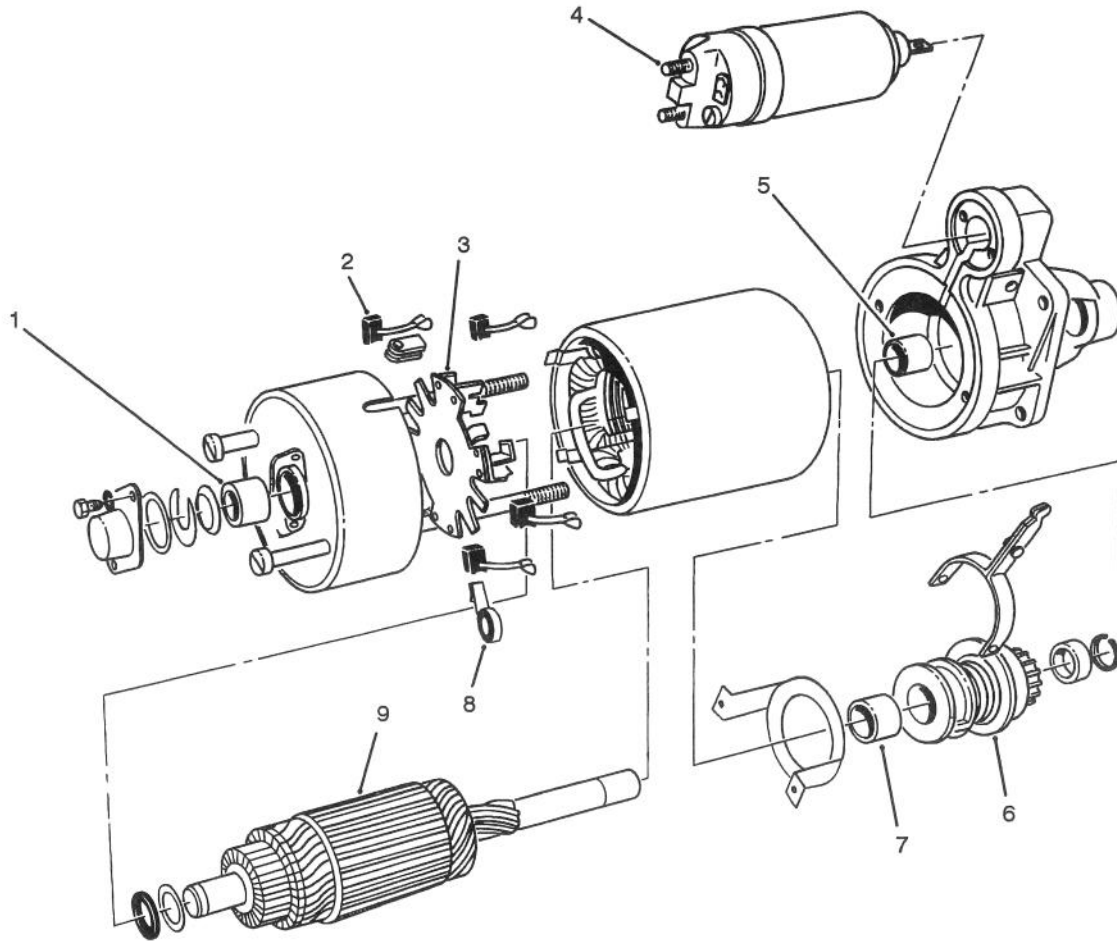
## IGNITION & FUEL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	89BF-12287-AC	Wire - Spark Plug #4	1
2	89BF-12284-AD	Wire - Spark Plug #3	1
3	89BF-12283-AD	Wire - Spark Plug #2	1
4	88BF-12286-AD	Wire - Spark Plug #1	1
5	89FB-12A297-GA	Module - Ignition	1
6	D9JI-9A520-A	Adapter	1
7	FG795A	Filter - Fuel (Motorcraft)	1
8	370829-S101	Elbow	1
9	380882-S32	Clamp - Fuel Hose	A/R
10	381103-S180A	Hose - Fuel	1

Ref. No.	Part No.	Description	No. Used
11	83BF-9350-AA	Fuel Pump	1
14	N602551-S2	Screw & Washer	2
15	83BM-9417-A1A	Gasket - Fuel Pump	1
16	AGRF22	Spark Plug	1
	* AGSF22C	(Motorcraft)	4
17	89BF-12024-A1B	Coil & Bracket Assy.	1
18	E804335-S201	Screw	3
19	89BF-12297-AA	Separator - Wire	1
20	E802166-S76	Screw	1
21	E865648-S	Separator - Wire	1

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



T-1005

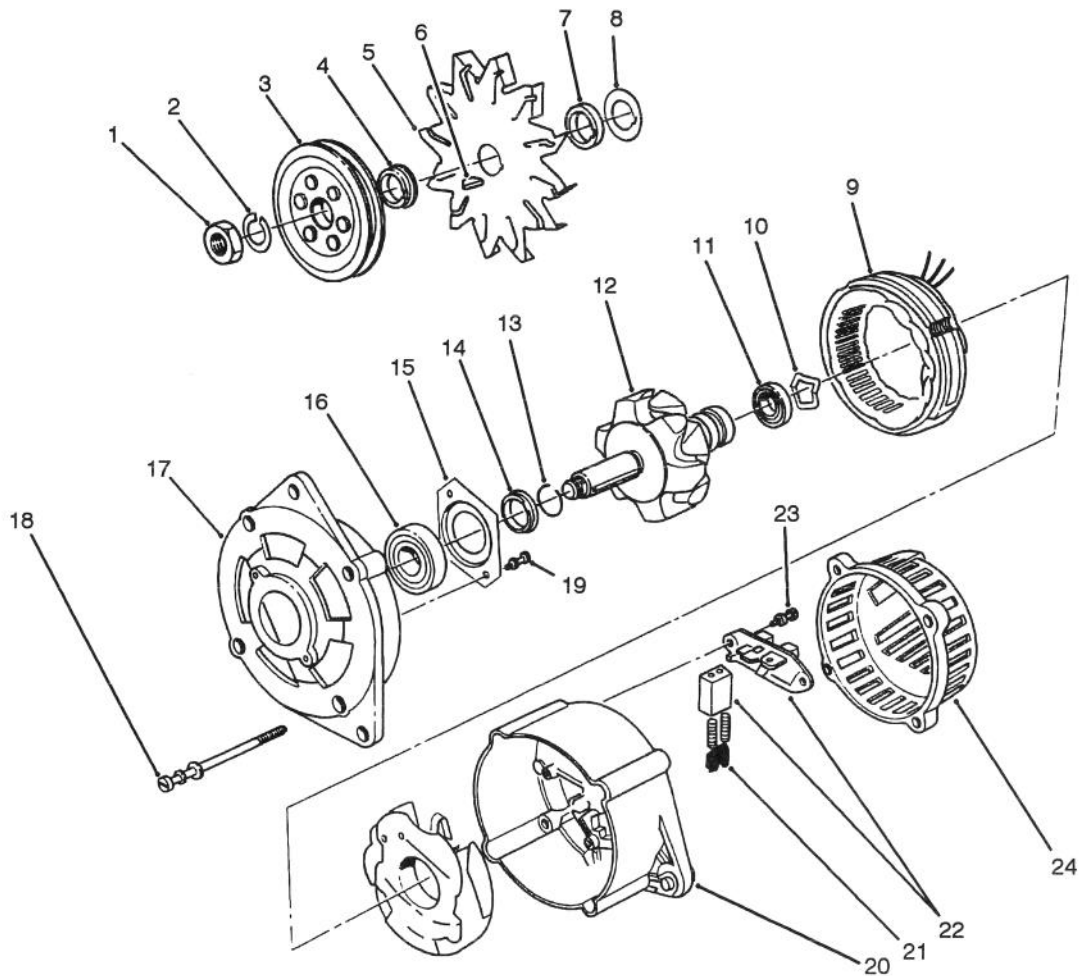
## STARTER MOTOR ASSEMBLY (91AB11000JB)

Ref. No.	Part No.	Description	No. Used
1		Bushing – Brush End	1
2		Brush Set	1
3		Holder – Brush	1
4		Solenoid	1
5		Bushing – Drive End	1

Ref. No.	Part No.	Description	No. Used
6		Drive Assembly	1
7		Bushing – Starter Drive	1
8		Spring – Brush	4
9		Kit – Armature Installation	1
*		Kit – Wiring, Service	1

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.



T-1000

## ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Nut	1	15		Plate - Bearing	1
2		Washer - Lock	1	16	71BB-10A303-AA	Bearing - Front	1
3	D5RY-10344-A	Pulley	1	17		Cover - Front	1
4		Bushing	1	18		Screw & Washer	4
5		Fan	1	19		Screw & Washer	2
6		Key - Woodruff	1	20		Housing	1
7		Bushing	1	21	E7RY-10347-A	Brush Set	2
8		Washer	1	22	86GB-10316-AA	Regulator Assembly	1
9		Stator Assembly	1	23		Screw & Washer	2
10		Retainer	1	24		Cover - Rear	1
11	D2RY-10A304-A	Bearing - Rear	1	*	D1RY-10B304-A	Pulley Installation Kit (Incl. Ref. #1, 2, 6, 7, 10 & 19)	1
12		Rotor	1	*	86AX-10300-DB	Alternator Complete	1
13		Retainer	1				
14		Bushing	1				

\*Not Illustrated

Note: Order parts from your local Ford Power Products Dealer.

# TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.	
		No.	Qty.			No.	Qty.
3-1365	Chain - Lift	34	36 3	21-5640	Joint - Ball	28	9 1
3-3251	Spring - Compression	9	9 1	21-7670	Differential Case	16	33 1
3-6498	Washer	7	18 A/R	21-7690	Pinion Gear	15	6 2
3-6657	Clip	6	5 2	21-7700	Pinion Mate Shaft	16	31 1
3-7243	Spring - Extension	9	13 2	21-7720	Thrust Washer	15	4 2
3-7292	Pin	34	20 1	21-7730	Thrust Washer	15	7 2
3-8812	Spacer	7	19 1	21-7770	Drive Gear Screw	16	32 5
5-0652	Spacer	31	13 1	21-7830	Gear Cover	15	12 1
5-0652	Spacer	7	37 1	21-7850	Cap - Plug	15	20 1
5-0701	Spring Anchor	8	52 1	21-8020	Spacer - Pinion Bearing	16	25 1
5-1226	Washer	18	17 A/R	21-8090	Adjustment Shim .003	16	38 A/R
5-1747	Spring	7	21 1	21-8100	Adjustment Shim .005	16	37 A/R
5-1754	Washer	34	15 6	21-8110	Adjustment Shim .010	16	36 A/R
5-2942	Shackle	34	39 1	21-8120	Adjustment Shim .030	16	35 A/R
5-3126	Spring Pin	34	21 3	21-8180	Bearing	17	3 2
7-3900	Pad - Brake	9	1 1	21-8270	Dowel Pin	15	3 2
10-6830	Stud - Drive	18	24 10	21-8360	Clip - Retaining	17	12 2
10-8110	Washer	18	18 3	21-8590	Link - Valve Lever	24	27 1
11-0590	Screw - Hex Self-Tapping	5	36 2	21-8620	Lever Valve	24	2 1
11-0590	Screw - Hex. Hd. Tapping	9	5 2	21-8640	Latch Valve Lever	24	7 1
11-9760	Self Tapping Screw	20	52 3	21-9010	Pivot Mount - Valve Lever	24	11 1
12-5450	Thread Forming Screw	15	13 8	21-9260	Cover - Dust	11	4 1
12-9990	Hour Meter	3	16 1	21-9370	Screw - Adjusting	17	16 2
14-8459	Hood	5	44 1	21-9380	Nut - Pivot	17	17 2
18-1520	Filter - Gas	14	43 1	21-9390	Socket - Adjusting Screw	17	15 2
18-2770	Cable - Ground	2	51 1	21-9420	Spring - Shoe Return L.H.	17	19 2
18-5410	Spring - Torsion	32	31 1	21-9430	Spring - Shoe Return R.H.	17	7 2
18-5430	Plug - Expansion	32	39 1	21-9440	Spring - Adjusting Screw	17	14 2
18-5440	Spacer	32	38 2	21-9450	Dust Shield	17	5 2
18-5450	Bearing	32	35 2	21-9460	Retainer - Brake Lever	17	10 4
18-5520	Lever - Rocker	32	37 1	22-7810	Spacer	14	24 1
18-5530	Screw & Lockwasher	32	40 2	22-7810	Spacer	3	27 1
18-5540	Ring - Retaining	32	19 3	22-7820	Buzzer Assembly	3	28 1
18-5580	Seal - Oil Front	32	7 1	22-8330	Plug	27	1 2
18-5620	Screw	32	5 2	22-8340	Spring	27	3 2
18-5630	Washer - Lock	32	6 4	22-8350	Ball	27	4 2
18-5640	Ring - Retaining	32	10 2	22-8360	Pin - Cam	27	6 2
18-5660	Pin - Pivot Flyweight	32	42 2	22-8370	Seat - Check Valve	27	5 2
18-5670	Retainer - Pin Pivot	32	41 2	22-8380	Spring Retainer	27	10 1
18-5750	Pin	32	28 1	22-8390	Spring Retainer	27	12 1
18-5770	Washer - Lock	32	14 2	22-8400	Spacer Float	27	13 1
18-5790	Gasket	32	11 1	22-8410	Spring	27	11 1
20-4840	Muffler Clamp	33	6 1	22-8420	Spool	27	8 1
21-0141	Socket Assembly R.H.	9	26 1	22-8480	Spring Ring Spool	27	14 1
21-0141	Socket Assembly R.H.	18	39 2	22-8490	Snap Ring	27	15 1
21-0151	Socket Assembly L.H.	18	* 2	22-8500	O-Ring	27	9 2
21-0230	Pulley - P.T.O.	7	13 1	23-1950	Support Reinforcement	34	18 1
21-0400	Spring - Compression	7	48 1	23-2240	Rod - Pump Control	9	17 1
21-1600	Clamp P.T.O. Lever	8	54 1	23-2270	Bushing - Rubber	9	16 1
21-1820	Stud - Retainer Belt	29	1 3	23-5180	Dipstick	14	38 1
21-1830	Spring - Tension	7	50 1	23-7270	Nut - Wheel	14	30 10
21-1830	Spring Tension	34	5 1	23-9740	Oil Filter	20	34 1
21-1880	Grip Handle	7	1 1	24-6390	Stud - Battery Hold Down	1	12 2
21-2000	Rod - Tie	18	41 2	24-6420	Hold Down - Battery	1	20 1
21-2660	Footrest	1	5 1	24-8790	Differential Bevel Gear Side	15	5 2
21-2760	Pad - Foot Rest L.H.	2	46 1	24-8840	Ring - Wheel Bearing	17	21 2
21-2770	Pad - Foot Rest R.H.	2	45 1	24-9180	Strut & Lever Parking Brake	17	4 2
21-2820	Hub - Wheel	18	25 2	24-9510	Pin	34	11 1
21-2850	Mount - R.H. Pedal	9	4 1	24-9830	Support - Axle	6	25 1
21-2860	Push Arm Bracket	34	24 2	25-2380	Thrust Plate	22	50 2
21-2890	Spring - Torsion RH	34	31 1	25-2390	Motor Valve Plate	23	57 1
21-2900	Spring - Torsion LH	34	30 1	25-2400	Gasket	23	59 1
21-2960	Push Arm LH	34	29 1	25-2410	Accel. Valve Assembly	22	17 2
21-2990	Shaft Pivot	34	26 1	25-2430	Dowel Pin	23	52 2
21-3000	Jam Nut	34	35 2	25-2440	Pump Valve Plate	23	51 1
21-3020	Ball Joint Mount Rd. Hd.	34	4 1	25-2450	Variable Swashplate	22	48 1
21-3050	Ball Joint Mount LH	34	32 1	25-2460	Plug - Hex. Hd.	22	28 2
21-3370	Cable - R.H. Brake	9	* 1	25-2470	Shim Pack	22	29 2
21-3380	Cable - L.H. Brake	9	15 1	25-2480	Valve Spring	22	44 1
21-3600	Foam - Support Tank	14	1 1	25-2490	Ball	22	9 2
21-3610	Foam - Support Tank	14	13 1	25-2500	Trunnion Shaft	22	43 1
21-3750	Support Plate	34	23 1	25-2510	Washer - Flat	22	25 2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
25-2530	Headless Straight Pin	22	39	1	42-9850	Washer - Lock	29	4	8
25-2550	Charge Pump Housing	22	34	1	43-1710	Valve Assembly	24	13	1
25-2570	Valve Spring	22	30	1	43-1730	Body	27	7	1
25-2580	Trunnion Shaft	22	26	1	43-2600	Screw - Metric	29	6	3
25-2610	Accel. Valve Spring	22	16	1	43-3320	Foam - Radiator	5	33	2
25-2620	By Pass Valve	22	15	1	43-3720	Collar Bearing	29	48	1
25-2630	Back Up Ring	22	14	1	43-3780	Swivel - Cable Throttle	28	13	1
25-2640	Valve Spring	22	8	2	43-3810	Tube Air Cleaner	33	7	1
25-2650	Check Valve Plug	22	6	2	43-3860	Shaft - Pivot P.T.O.	7	9	1
25-2680	Gerotor Assembly	22	38	1	43-4300	Trim - Rear Frame	2	32	2
25-3180	Check Valve Kit	22	11	2	43-5500	Pivot P.T.O.	7	31	1
25-3190	Charge Pump	22	40	1	43-5540	Shaft P.T.O.	7	43	1
25-3210	Lip Seal	22	24	2	43-5550	Shaft - P.T.O. Actuator	7	32	1
25-8640	Screw - Machine	28	11	1	43-5570	Arm - P.T.O. Actuator	7	38	1
26-6740	Temperature Reset Relay	3	13	1	43-5630	Yoke - P.T.O.	7	51	1
27-1960	Hub - Engine	30	53	1	43-5930	Washer - Lock	29	17	3
27-2360	Switch	3	15	1	43-5930	Washer - Metric	5	4	2
27-6590	Spacer Rubber Coupling	20	22	2	43-6550	Snap Ring	15	21	1
27-6600	Spacer Rubber Coupling	20	20	6	43-6710	Adjustment Shim .003	15	15 A/R	
27-7100	Air Cleaner Assembly	33	5	1	43-6711	Adjustment Shim .005	15	16 A/R	
27-7110	Element Assembly	33	14	1	43-6712	Adjustment Shim .010	15	17 A/R	
27-7120	Nut & Gasket Assembly	33	15	1	43-6713	Adjustment Shim .030	15	18 A/R	
27-7130	Clamp Assembly	33	17	1	43-6750	Roller Bearing Cup	15	10	1
27-7140	Skirt - Baffle	33	16	1	43-6760	Roller Bearing Cone	15	9	1
27-7150	Cup Assembly	33	19	1	43-6800	Nut - Lock	17	18	8
27-7160	Decal - Instructions	33	12	1	43-6810	Torque - Spider	17	6	2
27-7170	Band Assembly	33	3	2	43-6840	Lower Housing	16	34	1
27-7180	Cap Assembly - Air Inlet	33	8	1	43-8600	Spring - Compression	6	11	1
27-7290	Decal - Power Take Off	1	16	1	43-8600	Spring - Compression	8	66	1
27-7310	Decal - Refueling	2	39	1	43-8610	Guide - Spring & Ball Seat	7	5	1
27-7320	Decal - Traction Pedal	1	1	1	43-8610	Guide - Spring & Ball Seat	6	12	1
27-7370	Brake Assembly P.T.O.	7	25	1	43-8620	Guide - Switch Pin	6	9	1
27-7490	Pedal - L.H. Brake	9	41	1	43-8620	Guide - Switch Pin	8	68	1
27-7510	Pedal - R.H. Brake	9	42	1	43-8860	Plunger - Switch	6	10	1
27-7570	Pad - Left Turn	9	38	1	43-8860	Plunger - Switch	8	67	1
27-7580	Pad - Right Turn	9	2	1	43-8870	Boot - Switch	6	1	1
27-7590	Mount - Brake	9	34	1	43-8870	Boot - Switch	8	71	1
27-7640	Shaft - Brake Latch	9	36	1	43-9071	Assembly - Switch	6	*	1
27-7900	Screw - Adjusting	7	35	1	43-9071	Assembly - Switch	8	*	1
27-8550	Pedal - Parking Brake	9	45	1	43-9110	Tank - Fuel	14	12	1
27-9270	Mount - Brake Pivot Shaft	9	35	1	44-2210	Warning Light	3	30	1
28-0650	Flanged Axle Shaft	17	1	2	44-2230	Rubber Coupling	20	17	2
28-0660	Screw - Cap, Hex. Hd.	17	22	8	46-2210	Shim - Front Pinion Bearing	15	22 A/R	
28-0670	Oil Seal	17	8	2	46-2211	Shim - Front Pinion Bearing	15	* A/R	
28-0680	Brake Drum	17	13	2	46-2212	Shim - Front Pinion Bearing	15	*22 A/R	
28-1280	Boot - Cable	1	18	1	46-2213	Shim - Front Pinion Bearing	15	* A/R	
28-5220	Wheel - Friction	9	25	1	46-2214	Shim - Front Pinion Bearing	15	* A/R	
28-9570	Pump Lever	20	51	1	46-2215	Shim - Front Pinion Bearing	15	* A/R/	
29-6120	Pump Plate	20	3	1	46-2216	Shim - Front Pinion Bearing	15	* A/R	
29-6150	Leaf Spring	20	46	1	46-2220	Shim - Front Pinion Bearing	15	* A/R	
29-6163	Micro Switch	20	2	1	46-2221	Shim - Front Pinion Bearing	15	* A/R	
29-6170	Extended Leaf Spring	20	7	1	46-2222	Shim - Front Pinion Bearing	15	* A/R	
31-0390	Disc - Friction	11	31	1	46-2223	Shim - Front Pinion Bearing	15	* A/R	
33-4380	Pump Hub	20	14	1	46-2224	Shim - Front Pinion Bearing	15	* A/R	
37-9550	Strap - Tank Fuel	14	4	1	46-2225	Shim - Front Pinion Bearing	15	* A/R	
37-9650	Trim	1	26	1	46-2226	Shim - Front Pinion Bearing	15	* A/R	
38-1650	Fuel Gauge	3	8	1	46-2410	Shim - Front Pinion Bearing	15	* A/R	
38-1660	Ammeter	3	10	1	46-2411	Shim - Front Pinion Bearing	16	*22 A/R	
38-1670	Mounting Clamp	3	7	2	46-2412	Shim - Front Pinion Bearing	16	* A/R	
38-3400	Guard - Rubber	24	5	1	46-2413	Shim - Front Pinion Bearing	16	* A/R	
38-3400	Guard - Rubber	21	60	1	46-2414	Shim - Front Pinion Bearing	16	* A/R	
38-4530	Tool Box	2	40	1	46-2415	Shim - Front Pinion Bearing	16	* A/R	
38-4550	Instrument Cover	1	28	1	46-2416	Shim - Front Pinion Bearing	16	* A/R	
38-4600	Bar - Frame L.H.	5	23	1	46-2420	Shim - Front Pinion Bearing	16	* A/R	
39-8020	Trim - Instrument Cover	1	31	1	46-2421	Shim - Front Pinion Bearing	16	* A/R	
41-8760	Gasket - Transmission	20	45	1	46-2422	Shim - Front Pinion Bearing	16	* A/R	
42-6080	Shim - Axle	14	26	A/R	46-2423	Shim - Front Pinion Bearing	16	* A/R	
42-9500	Screw - Metric	29	3	4	46-2424	Shim - Front Pinion Bearing	16	* A/R	
42-9530	Screw - Metric	29	29	3	46-2425	Shim - Front Pinion Bearing	16	*22 A/R	
42-9600	Washer - Lock	29	7	8	46-2426	Shim - Front Pinion Bearing	16	* A/R	
42-9780	Washer - Flat	29	30	4	46-6390	Drive Coupling	20	18	1
42-9780	Washer - Flat	28	31	1	46-8400	Needle Bearing	23	53	2

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
46-8410	Motor Shaft	23	58	1	66-9970	Spring Kit	12	*	1
46-8810	Stop - Leaf Spring	21	56	1	66-9980	Seal Kit	12	*	1
46-8840	Spring Lift Arm	34	14	1	66-9990	Needle Roller Kit	12	*	1
48-1800	Cylinder Block Kit	22	5	2	67-1710	Decal - Caution	1	27	1
48-7630	Screw - Metric	5	5	2	67-1720	Decal - Torque	2	41	2
48-7710	Screw - Cap, Hex Hd.	28	32	1	67-1750	Bushing - Axle	18	21	6
48-7730	Screw - Metric	29	5	1	67-5450	Piston	26	6	1
48-7780	Screw - Metric	29	33	2	67-5460	Head	26	5	1
48-7800	Screw - Metric	29	8	3	67-5470	Ring - Retaining	26	4	1
48-7890	Nut	30	59	1	67-5480	Shaft	26	2	1
48-7890	Nut - Metric	5	3	2	67-5500	Repair Kit	26	3	1
48-7930	Nut Metric	29	32	2	67-8020	Pump Shaft	22	20	1
48-9470	Screw - Metric	29	27	3	67-8050	Needle Bearing	22	35	1
49-8520	Kit - Relief, Implement	23	63	1	67-8060	Lip Seal	22	36	1
53-4420	Decal - Fuel	2	38	1	67-8190	Bracket - Engine Support	6	20	2
53-4430	Decal - Oil	14	39	1	67-8240	Bracket - Throttle	28	23	1
53-9480	Washer - Snubber	31	21	2	67-8250	Rod - Throttle	28	16	1
53-9480	Washer - Snubber	29	35	2	67-8260	Mount - Engine	29	37	1
53-9660	V-Belt Torque Team	7	12	1	67-8310	Mount - Engine	29	13	1
53-9680	Mount - Engine	31	20	2	67-8340	Bar - Spacer	29	16	1
53-9680	Mount - Engine	29	46	2	67-8350	Bracket - Guide Belt	29	15	1
54-7890	Pump Housing	22	22	1	67-8360	Governor	28	14	1
54-9040	Yoke - End (Split)	8	63	1	67-8370	Hub	32	4	1
54-9180	Kit - U-Joint	8	58	2	67-8380	Pulley - Fan	28	7	1
54-9290	Bracket	20	29	2	67-8390	Spacer - Fan	28	6	1
54-9300	Cover	20	28	1	67-8420	Bracket - Muffler	31	15	1
55-3574	Cap - Tank Fuel	14	11	1	67-8440	Plate - Support Engine	31	25	1
55-4300	Warning Decal	34	12	3	67-8460	Pulley - Engine	29	42	1
56-2460	Washer	18	45	A/R	67-8480	Support - Engine Rear	31	18	1
56-7980	Sleeve - Protective	5	56	1	67-8510	Belt - Fan	28	5	1
59-9740	Latch - Draw	5	20	1	67-8540	Cable - Ground	4	4	1
60-9760	Nut	25	7	1	67-8550	Engine Temperature Gauge	3	11	1
60-9760	Nut - Hex	26	7	1	67-8560	Throttle & Choke Control	3	31	2
60-9770	Piston	25	6	1	67-8590	Radiator Assembly	5	37	1
60-9780	Head	25	5	1	67-8640	Shroud - Radiator	5	17	1
61-4960	Repair Kit	25	3	1	67-8660	Hose - Radiator Lower	5	21	1
61-4980	Shaft - w/Clevis	25	2	1	67-8690	Support - Column	11	7	1
61-4990	Ring - Retaining	25	4	1	67-8880	Decal - Groundsmaster 345	5	8	2
62-3010	Bracket - R.H.	6	15	1	67-8890	Arm - Idler	29	12	1
62-3020	Bracket - L.H.	6	17	1	67-8900	Spacer - Alternator	29	38	1
62-3290	Shaft - Slip Yoke	8	60	1	67-8910	Spacer - Pulley	29	19	1
62-3790	Tube - Slip Yoke	8	62	1	67-8920	Shield - Heat	28	27	1
62-3800	Yoke - End	8	57	1	67-8940	Connector - Outlet	31	5	1
62-3820	Fitting - Grease	8	59	2	67-8960	Weight - Axle Rear	18	1	1
62-4250	Cylinder - Hydraulic	24	21	1	67-9010	Spacer - Alternator	29	31	1
62-4260	Drive Shaft Assembly	7	44	1	67-9030	Grille - Radiator	5	38	1
62-4290	O-Ring	23	54	2	67-9080	Motor Housing	22	4	1
62-6840	Sender - Fuel Level	14	6	1	67-9090	Plug	22	42	1
62-7020	Wheel & Tire Assembly	14	*	2	67-9100	Gasket	22	10	1
62-7650	Gasket - Tank Fuel	14	5	1	67-9120	Muffler	31	16	1
63-1400	Rod - Belt	30	54	1	67-9130	Pipe - Muffler	31	11	1
63-7590	Relay	3	23	1	67-9150	Support - Governor	28	30	1
63-7630	Hose - Vent Fuel	14	10	1	67-9800	Bumper	34	37	3
63-8140	Pulley - Idler	29	11	1	68-5140	Cap - Wheel, Steering	11	46	1
63-8360	Key	3	12	1	68-5370	Decal - Toro	11	1	1
63-8960	Hose Assembly	5	32	1	68-8610	Fender - Extension	2	42	1
63-8970	Hose - Trans. to Steering	11	14	1	68-8660	Elbow	20	31	1
63-8980	Hose - Aux. to Valve	11	22	1	68-8990	Head - Filter	20	33	1
63-8990	Hose	24	15	1	68-9160	Bracket	5	29	1
63-8990	Hose	11	23	1	68-9650	Hose - Axle	20	37	1
63-9010	Hose Assembly	5	24	1	68-9710	Hose - Steering Cylinder	5	55	2
63-9260	Manifold - Valve	24	17	1	68-9720	Hose - Cylinder to Steering	11	19	1
66-1250	Cylinder - Hydraulic	24	*	Opt.	68-9730	Hose - Steering to Cylinder	11	18	1
66-1930	Nut - Lock	19	6	1	68-9760	Base - Tank Fuel	14	40	1
66-1940	Piston	19	5	1	70-1380	Sleeve - Protective	11	17	1
66-2990	Cup - Spindle	18	50	2	70-1390	Sleeve - Protective	11	15	1
66-3240	Cap - Pressure Radiator	5	6	1	70-1630	Hose - Radiator Upper	5	14	1
66-6140	Decal - Toro	5	9	1	70-1660	Bracket - E.S.C.	5	42	1
66-6370	Lift Arm	34	1	1	70-1670	Hose - Heater	31	4	1
66-6390	Decal - Caution	1	4	1	70-1690	Adapter - Gauge Temp.	31	2	1
66-7150	Push Arm RH	34	9	1	70-1790	Strip - Foam Sealing	5	34	1
66-9760	Nut - Hex.	11	2	1	70-1890	Guard - Flywheel	6	18	1

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# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
70-1910	Hose - Vac. Advance	29	25	1	86-7060	Bracket - Hood Hold Down	5	54	1
70-1920	Hose - Vacuum	29	20	1	86-7220	Gear - Transmission Output	20	44	1
70-2040	Guard - Trim	28	29	1	86-7230	Spur-Gear	15	14	1
70-2050	Hose - Breather	31	8	1	86-7921	Cover - Spark Plug Wire	31	40	4
70-2060	Cover - Governor	32	8	1	86-8100	Ball Joint Assembly	34	33	2
70-2070	Lever - Speed Adjusting	32	21	1	86-9370	Panel - Instrument	3	1	1
70-2080	Body	32	36	1	86-9400	Support - Radiator	5	40	1
70-2090	Stud - Pivot Lever	32	22	1	86-9410	Support - Seat	5	52	1
70-2100	Sleeve & Bearing Assy.	32	18	1	86-9580	Upper Housing	16	26	1
70-2110	Main Shaft & Yoke	32	17	1	86-9600	Front Axle Assembly	14	27	1
70-2120	Spacer	32	43	1	88-0070	Floor Plate	2	47	1
70-2130	Clamp - Bearing to Cover	32	13	1	88-0470	Tube - Pedal Spacer	10	49	1
70-2140	Bearing - Front	32	12	1	88-0530	Pedal - Traction	9	18	1
70-2150	Flyweight	32	15	2	88-1640	Pin - Traction Pedal	9	20	1
70-2160	Bracket - Speed Stop	32	2	1	88-1650	Shaft - Traction Pedal	9	22	1
70-2200	Decal - Toro	1	2	1	88-1670	Bracket - Pivot	9	23	1
70-2620	Elbow - 90°	20	38	1	88-1680	Bracket - Footrest	9	48	1
71-4540	Washer - Thrust	18	7	1	88-1710	Footrest	10	50	1
71-4770	Screw	32	45	2	88-1720	Pad - Footrest	10	51	1
71-4780	Seal - Oil Rocker Shaft	32	27	1	88-1730	Pad - Front Pedal	9	47	1
72-3690	Fender	1	9	2	88-1740	Pad - Rear Pedal	9	19	1
72-3750	Roller Bearing	22	2	1	92-1661	Hose - Fuel	14	44	1
72-4320	Switch - Ball	7	3	1	92-1662	Hose - Fuel	14	22	1
72-4320	Switch - Ball	6	14	1	92-1773	Screw - Cap, Hex. Hd.	15	11	4
72-5850	Pin - Force Idle	32	25	1	92-1774	Oil Seal	17	2	2
72-5860	Spring - Governor	32	24	1	92-4058	Arm - P.T.O.	7	30	1
72-5860	Spring - Governor	32	24	1	92-4060	Fork P.T.O.	7	24	1
72-5870	Eyebolt	32	33	1	92-4848	Gear & Pinion Assembly	16	*	1
72-5880	Throttle Lever Assy.	32	32	1	92-4903	Assy. - Upper Hsg., 2WD	16	*	1
72-5890	Shaft - Rocker	32	30	1	92-5723	Bushing - P.T.O. Fork	7	23	2
72-5910	Bumper Screw Assy.	32	34	1	92-5727	Screw - Cap, Hex. Hd.	7	22	2
72-5920	Screw	32	3	1	92-5838	Ball Joint	18	10	2
72-5930	Screw	32	26	1	92-6588	Gland	19	3	1
72-5940	Bearing - Needle	32	20	1	92-6593	Seal Kit	19	2	1
72-9420	Vent Tube Assembly	16	39	1	92-7308	Valve - Steering, Power	11	25	1
74-0720	Tube - Manual	6	2	1	92-7310	Bolt - Special	12	36	4
75-0560	Steering Wheel Assembly	11	3	1	92-7314	Assembly - Column	12	*	1
75-9890	Washer - Shim	8	75	A/R	92-7315	Seal	12	28	1
75-9900	Support - Engine Front	29	9	1	92-7316	Nut - Push On	12	38	4
76-1900	O-Ring	22	18	2	92-7317	Foam	12	39	1
76-8750	Decal - Warning	5	13	1	92-7800	Cover - Battery Access	1	30	1
77-3100	Decal - Warning	5	15	2	92-7801	Shield - Cover, Battery	2	52	1
77-3120	Bracket - Mount, Column	11	9	1	92-7802	Decal - Starting Instructions	1	29	1
80-2880	Bracket - Steering, Tilt	11	40	1	92-7816	Axle - Rear	18	20	1
80-2890	Handle - Steering, Tilt	11	34	1	92-7821	Pivot - Steering	18	38	1
80-2930	Washer	11	39	1	92-7823	Spindle Assy. L.H.	18	23	1
80-2940	Plate - Pivot	11	29	1	92-7825	Spindle Assembly R.H.	18	46	1
80-2960	Spacer - Tower	11	10	2	92-7828	Cylinder - Hydraulic	19	*	1
80-2970	Pin - Steering, Tilt	11	33	1	92-7828	Cylinder - Hydraulic	18	11	1
80-2980	Boss - Pin	11	32	1	92-7833	Hose - Valve to Cylinder	24	19	1
80-3330	Gasket	33	18	1	92-7834	Hose	24	22	1
82-5590	Hose - Air Cleaner	33	9	1	92-7841	Support - Axle Rear	18	5	1
82-8650	Clamp - Half	11	37	1	92-7843	Pin - Axle Rear	18	47	1
82-8660	Cover - Tower	11	5	1	92-8775	Gasket Kit - Liquid	17	*	2
82-8670	Rod - Brake Latch	9	10	1	92-8776	Plug	23	61	2
82-8760	Elbow	11	12	1	92-8777	O-Ring	23	62	2
82-8770	Elbow	11	21	1	92-8918	Center Section	23	55	1
82-8930	Decal - Parking Brake	9	12	1	92-8947	Transmission - Inline	20	42	1
82-8940	Decal - Steering, Tilt	11	44	1	92-9785	Belt - Alternator	29	40	1
82-8970	Decal - Coolant Engine	5	2	1	93-0105	Wire - Harness Assembly	4	2	1
82-8980	Frame	1	3	1	93-0312	Washer	23	60	4
82-9010	Disc - Friction	11	38	1	212-93	Wire Clip	8	53	1
83-7260	Relief Valve Cone	22	31	2	217-106	Wheel	18	30	2
84-4890	Assembly - Drive Shaft	8	*	1	217-116	Rim - 23 x 10.5 x 12"	14	*	2
84-5330	Bracket - Hood Prop	5	50	1	217-117	Rim	14	29	2
84-5380	Strap - Hood Prop	5	49	1	218-461	Nut - Jam	6	7	2
84-8500	Lever - P.T.O.	7	2	1	218-461	Nut - Jam	8	70	2
84-8520	Bracket - P.T.O. Switch	7	6	1	218-515	Mounting Bracket	3	22	1
84-8600	Shoe & Lining Assembly	17	9	1	218-516	Lens	3	4	1
85-7470	Decal - Instrument Panel	3	2	1	218-539	Clamp	3	9	1
86-7040	Rod - Seat Prop	6	6	1	2112-6	Clamp - Muffler	31	12	1
86-7050	Bracket - Switch Actuator	8	73	1	231-90	Tube - Inner (Optional)	14	*	2

\*Not Illustrated



# TORO PART NUMBER INDEX (Cont.)

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
231-95	Tire - 23 x 10.5 x 12"	14	*	2	283-10	Pin	34	40	1
231-101	Tire	14	28	2	283-17	Pin	24	26	1
231-105	Tire	18	28	2	283-42	Clevis Pin	7	7	1
232-27	Stem - Valve - 23 x 10.5 x 12"	14	*	2	283-58	Pin - Clevis	9	14	2
232-31	Stem - Valve	14	31	2	283-74	Clevis Pin	7	26	1
232-31	Stem - Valve w/Cap	18	34	2	283-76	Pin - Lynch	5	53	1
233-17	Knob	9	11	1	285-17	Pipe Plug	22	12	2
233-21	Knob	24	3	1	285-17	Plug - Pipe	32	9	2
233-21	Knob - Handle	11	35	1	289-37	Nipple - Pipe	14	37	1
233-35	Knob - Control	3	3	2	2811-9	Elbow - Street	14	36	1
237-7	Seal - O-Ring	6	8	1	302-2	Grease Fitting	7	39	1
237-7	Seal - O-Ring	8	69	1	302-5	Fitting	18	19	3
237-22	O-Ring	24	29	1	302-5	Fitting - Grease	9	44	2
237-22	O-Ring	22	13	1	302-5	Grease Fitting	34	13	1
237-22	O-Ring	18	14	1	302-5	Grease Fitting	34	34	2
237-22	O-Ring	11	20	3	302-10	Fitting - Grease	7	10	1
237-22	O-Ring	21	58	1	302-10	Fitting - Grease	29	47	1
237-30	O-Ring	24	30	1	302-11	Fitting	18	15	3
237-30	O-Ring	11	13	3	302-33	Grease Fitting	34	28	2
237-30	O-Ring	21	59	1	302-55	Fitting - Grease	25	1	2
237-30	Seal - O-Ring	7	4	1	302-55	Grease Fitting	26	1	2
237-30	Seal - O-Ring	6	13	1	302-58	Fitting - Grease	8	61	1
237-42	O-Ring	24	31	1	304-46	Draincock	5	22	1
237-42	O-Ring	27	2	2	304-73	Fitting - Straight Barb	24	23	1
237-42	O-Ring	21	57	2	304-75	Fitting - 90° Barb	24	20	1
237-78	O-Ring	24	32	2	321-2	Screw - Cap, Hex. Hd.	20	26	2
237-78	O-Ring	18	12	1	321-4	Screw - Cap Hex. Hd.	8	72	1
237-80	O-Ring	20	30	1	321-4	Screw - Cap, Hex Hd.	28	18	1
237-80	O-Ring	22	33	1	321-4	Screw - Cap, Hex. Hd.	20	27	2
237-81	O-Ring	20	32	3	321-6	Screw - Cap Hex Hd.	14	25	1
237-86	O-Ring	22	7	4	321-6	Screw - Cap Hex. Hd.	5	51	1
237-95	O-Ring	22	41	1	321-6	Screw - Cap, Hex Hd.	28	24	2
241-119	Cap - Dust	18	32	2	321-6	Screw - Cap, Hex. Hd.	20	47	2
242-34	Axle Flange Stud	17	11	10	321-23	Screw - Cap, Hex. Hd.	24	14	5
242-50	Nut - Wheel	18	31	10	321-39	Screw - Cap, Hex Hd.	28	28	2
249-21	Hook Clamp	1	14	3	321-39	Screw - Cap, Hex Hd.	5	45	2
249-40	Keeper	5	11	1	322-3	Screw - Cap, Hex Hd.	5	57	1
2412-3	Clamp - Hose	5	7	4	322-3	Screw - Cap, Hex. Hd.	33	1	4
2412-6	Clamp	14	9	1	322-4	Screw - Cap, Hex. Hd.	22	37	4
2412-31	Clamp - Cable	28	20	1	322-4	Screw - Cap, Hex. Hd.	11	43	1
2412-34	Clamp - Hose	20	36	2	322-5	Screw - Cap, Hex. Hd.	3	17	2
2412-36	Clamp	11	24	2	322-6	Screw - Cap, Hex. Hd.	20	21	6
2412-36	Clamp - Hose	24	16	1	322-8	Screw - Cap, Hex. Hd.	20	25	2
2412-39	Clamp	1	24	2	322-9	Screw - Cap Hex. Hd.	8	65	2
2412-39	Clamp	5	35	3	322-12	Screw - Cap, Hex Hd.	28	1	4
2412-39	Clamp - R	31	10	1	322-17	Screw - Cap, Hex. Hd.	20	8	1
2412-42	Hose Clamp	33	10	2	323-3	Screw - Cap Hex. Hd.	6	23	1
2412-74	Clamp	2	34	2	323-6	Screw - Cap, Hex. Hd.	11	27	2
2412-96	Clamp - R	14	21	1	323-7	Screw - Cap, Hex. Hd.	20	39	2
2412-108	Clamp	31	9	2	323-13	Screw - Cap, Hex. Hd.	9	32	2
2412-108	Clamp	14	23	3	323-14	Screw - Cap, Hex Hd.	5	30	3
2412-108	Clamp Hose	24	28	2	323-56	Screw - Cap, Hex. Hd.	22	3	4
2412-119	Clamp - Hose	31	3	2	324-4	Capscrew	34	19	2
2412-133	R-Clamp	6	3	2	324-11	Screw - Cap Hex. Hd.	29	34	2
251-8	Ball Bearing	22	46	1	324-11	Screw - Cap, Hex Hd.	31	22	2
251-234	Lock Collar	7	41	2	324-12	Capscrew	34	22	2
251-252	Ball Bearing	7	40	2	329-3	Screw - Cap, Hex. Hd.	32	16	2
251-252	Bearing	29	49	1	3210-7	Screw - Cap, Hex. Hd.	20	6	1
251-259	Ball Bearing	20	5	1	3210-7	Screw - Cap, Hex. Hd.	15	19	8
252-82	Needle Bearing	22	23	2	3217-5	Nut	28	22	1
253-129	Closure	18	36	2	3217-6	Nut	1	10	2
254-65	Cone - Tapered Bearing	16	28	2	3217-6	Nut	33	11	2
254-66	Cup - Tapered Bearing	16	27	2	3217-6	Nut	3	19	2
254-72	Cup - Bearing	18	26	4	3217-7	Nut - Hex	9	28	2
254-90	Bearing Cup	16	24	1	3217-8	Full Nut	34	8	2
254-91	Bearing Cone	16	23	1	3217-9	Nut	6	27	2
254-94	Cone - Bearing	18	27	4	3217-16	Nut	20	48	2
256-10	Bushing	9	43	4	3217-26	Nut - Hex.	3	21	1
256-121	Bushing - Thrust	18	22	2	3217-27	Nut - Hex.	3	34	2
256-126	Bushing	34	16	6	3217-29	Nut - Hex.	3	33	6
256-156	Bushing	9	6	5	3218-5	Nut - Jam	9	3	2
256-242	Bushing	18	44	2	3218-7	Nut - Jam	11	42	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref.		Part No.	Description	Pg. Ref.			
		No.	Qty.			No.	Qty.		
3219-1	Nut	32	1	2	3256-5	Washer - Flat	6	26	2
3219-2	Nut	15	1	8	3256-6	Washer - Flat	7	20	1
3219-2	Nut	32	29	2	3256-6	Washer - Flat	20	53	1
3219-2	Nut - Hex	20	9	1	3256-21	Washer - Flat	29	23	1
3219-3	Nut	7	33	1	3256-22	Washer - Flat	9	8	1
3219-7	Nut - Hex.	7	16	1	3256-22	Washer - Flat	28	19	1
3219-14	Nut	3	5	4	3256-22	Washer - Flat	5	48	1
3219-14	Nut	14	42	1	3256-25	Flat Washer	34	6	1
3219-14	Nut - Hex	28	10	3	3256-26	Washer - Flat	9	40	1
3220-3	Nut - Jam	9	27	1	3256-28	Washer - Flat	7	14	4
3220-3	Nut - Jam	18	42	8	3256-28	Washer - Flat	18	35	2
3220-5	Nut - Jam	9	46	1	3256-41	Washer - Flat	7	36	4
3220-5	Nut - Jam R.H. Thread	18	40	2	3256-46	Washer - Flat	11	26	2
3220-6	Nut	12	27	1	3256-56	Washer - Flat	28	25	1
3220-6	Nut - Jam	18	37	4	3257-5	Key - Woodruff	7	11	3
3220-12	Nut - Jam L.H. Thread	18	*	2	3257-32	Woodruff Key	20	15	1
3229-1	Bolt - Carriage	2	36	5	3257-32	Woodruff Key	22	21	1
3230-1	Bolt - Carriage	10	52	2	3257-33	Key - Woodruff	29	43	1
3230-2	Bolt - Carriage	14	14	3	3258-19	Round Hd. Machine Screw	33	4	2
3231-21	Bolt - Carriage	9	31	2	3269-10	Washer	5	46	2
3231-22	Bolt - Carriage	29	14	2	3269-13	Rivet	5	12	2
3231-28	Bolt - Carriage	29	10	1	3272-5	Pin - Cotter	9	7	3
3234-1	Screw - Cap, Flange Hd.	5	18	2	3272-6	Cotter Pin	24	8	1
3234-5	Screw - Lock, Flange Hd.	28	26	1	3272-6	Pin - Cotter	9	21	6
3234-6	Screw - Cap Flange Hd.	6	19	2	3272-10	Cotter Pin	7	8	1
3234-11	Capscrew w/Locking Flange	1	23	5	3272-10	Cotter Pin	34	38	3
3234-11	Screw - Cap Flange Hd.	6	21	6	3272-10	Cotter Pin	21	54	1
3234-11	Screw - Cap, Hex. Hd.	9	39	3	3272-11	Cotter Pin	34	2	2
3234-11	Screw - Flange Head	14	35	2	3272-11	Pin - Cotter	7	28	1
3234-11	Screw - Flange Lock	29	36	4	3272-13	Pin - Cotter	18	33	2
3234-11	Screw - Flange Lock	31	39	4	3272-22	Pin - Cotter	7	17	2
3234-11	Screw - Lock, Flange Hd.	28	33	2	3272-24	Cotter Pin	34	10	1
3234-12	Screw - Flange Hex. Hd.	1	7	4	3272-33	Cotter Pin	34	17	1
3234-13	Screw	18	49	2	3274-47	Screw - Flat Hd. Socket	9	33	1
3234-14	Screw - Cap, Hex. Hd.	2	43	2	3290-134	Screw Machine Hex. Hd.	3	25	4
3234-14	Screw - Flange, Hex Hd.	5	19	6	3290-144	Screw - Machine	1	15	6
3234-14	Screw - Self Tapping	18	48	2	3290-224	Washer - Pyramidal	30	55	1
3234-17	Screw - Cap Flange Hd.	6	16	4	3290-271	Rivet	5	10	4
3234-17	Screw - Cap, Hex. Hd.	11	8	2	3290-357	Nut - Lock, Flange	29	2	12
3234-18	Screw - Hex. Hd. Flange	30	56	1	3290-357	Nut - Lock, Flange	31	14	5
3234-25	Screw - Hex. Flange Hd.	2	48	4	3290-357	Nut - Lock, Flange	28	15	2
3234-32	Screw - Hex Hd. Flange	18	3	6	3290-357	Nut - Lock, Flange	6	22	6
3241-5	Square Hd. Set Screw	20	16	2	3290-357	Nut - Lock, Flange	1	25	5
3245-1	Screw - Set	7	46	2	3290-360	Screw Machine Hex. Hd.	3	26	1
3245-5	Screw - Set	30	52	2	3290-378	Cable Tie	1	21	2
3246-3	Screw - Set	7	29	4	3290-379	Cable - Tie	30	58	3
3249-11	Screw - Round Hd. Mach.	20	1	2	3290-379	Cable Tie	3	24	1
3250-29	Screw - Pan Hd.	29	22	1	3290-379	Tie - Cable	11	16	3
3253-3	Washer - Lock	14	2	2	3290-379	Tie - Cable	5	31	4
3253-3	Washer - Lock	28	21	1	3296-2	Nut - Lock	1	17	6
3253-4	Washer - Lock	28	2	4	3296-5	Nut - Lock	32	23	1
3253-4	Washer - Lock	1	8	2	3296-6	Nut - Lock	7	34	1
3253-6	Lockwasher	34	7	2	3296-12	Nut - Lock	3	29	5
3253-12	Washer - Lock	28	17	1	3296-16	Nut - Lock	5	47	1
3253-17	Washer - Lock	14	41	1	3296-16	Nut - Lock	8	74	1
3253-21	Washer - Lock	6	24	1	3296-20	Nut - Lock	28	12	1
3253-21	Washer - Lock	9	29	4	3296-20	Nut - Lock	11	30	4
3253-21	Washer - Lock	14	34	2	3296-28	Nut - Lock	7	27	1
3253-21	Washer - Lock	20	40	2	3296-29	Nut - Lock	20	4	1
3253-21	Washer - Lock	8	55	4	3296-29	Nut - Lock	11	36	2
3254-1	Washer - Lock	3	6	6	3296-29	Nut - Lock	8	64	2
3254-2	Washer - Lock Internal	2	50	1	3296-42	Nut - Lock	20	10	6
3254-2	Washer - Lock, Int. Tooth	3	18	6	3296-42	Nut - Lock	24	10	5
3254-7	Washer - Lock	7	15	1	32103-2	Nut - Wing	1	13	2
3254-9	Washer - Lock	20	49	2	32103-2	Nut - Wing	5	41	2
3255-5	Washer - Lock	3	20	1	32104-6	Screw - Hex. Hd. Tapping	8	56	4
3255-7	Washer - Lock	20	50	3	32104-96	Screw - Cap, Hex Hd.	14	3	1
3255-8	Washer - Lock	15	2	8	32104-116	Screw - Flange, Hex Hd.	5	16	4
3255-24	Washer - Lock	3	32	5	32107-11	Nut	33	2	2
3256-2	Washer - Flat	28	3	4	32120-8	Retaining Ring	22	1	1
3256-3	Washer - Flat	20	23	4	32120-11	Retaining Ring	22	47	1
3256-3	Washer - Flat	11	28	4	32120-15	Retaining Ring	22	45	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3316-654

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		No.	Qty.			No.	Qty.		
32120-22	Ring - Retaining	7	42	2	32144-10	Screw - Hex. Thd. Form	11	6	6
32120-22	Ring - Retaining Int.	29	50	1	32144-10	Screw - Self Tapping	24	4	2
32120-69	Ring - Retaining Ext.	30	51	1	32144-10	Screw - Self Tapping	6	4	2
32120-72	Ring - Retaining External	20	43	1	32144-10	Screw - Self Tapping	2	44	11
32121-6	Roll Pin	20	11	1	32144-21	Screw	11	45	1
32121-9	Pin - Roll	7	49	1	32144-53	Screw - Thread Forming	14	7	5
32121-15	Roll Pin	16	30	1	32144-67	Screw - Thread Forming	14	32	4
32121-16	Pin - Roll	9	24	1	32146-20	Nut - Lock	18	6	1
32121-24	Roll Pin	21	55	1	32149-2	Nut	9	37	1
32121-34	Pin - Roll	7	45	2	32151-36	Ring - Retaining	18	16	3
32121-51	Pin - Hub To Shaft	32	44	1	32151-46	Retaining Ring	22	27	2
32121-73	Pin Slotted Spring	24	9	1	32151-104	Ring - Retaining	18	9	2
32121-84	Roll Pin	34	25	2	32152-1	Nut - Lock	20	19	8
32121-91	Coil Spring Pin	22	49	3	32153-2	Nut - Hex.	11	11	2
32128-13	Nut - Lock, Flange	2	37	5	32153-2	Nut - Lock	9	30	2
32128-20	Nut - Flange	14	33	3	32153-2	Nut - Lock	30	57	1
32128-20	Nut - Flange	11	41	1	340-54	Fitting - 45°	18	13	1
32128-20	Nut - Flange Head	5	26	7	340-70	Nut - Lock, Bulkhead	5	28	2
32128-20	Nut - Lock, Flange	2	35	1	340-71	Union - Bulkhead	5	27	2
32128-20	Nut - Lock, Flange Hd.	33	13	4	340-77	Elbow	20	12	1
32128-21	Nut - Flange Head	5	25	3	340-97	Fitting - 90°	24	25	1
32128-21	Nut - Lock, Flange	1	6	10	340-99	Fitting - 90° Elbow	24	12	1
32128-23	Nut - Lock, Flange	18	2	4	340-99	Elbow	20	13	1
32128-23	Nut - Lock, Flange	29	44	2	340-110	Elbow - 90°	24	24	1
32128-25	Nut - Flange Lock	10	53	2	340-112	Elbow 90°	24	18	1
32128-33	Nut - Lock, Flange	28	8	4	353-508	Plug - Drain	20	41	1
32128-33	Nut - Lock, Flange	5	39	2	353-512	Plug	24	1	1
32128-37	Nut - Lock, Flange	31	19	2	353-536	Fitting - Tank Fuel	14	8	2
32128-37	Nut - Lock, Flange	29	45	2	353-550	Plug - Hex. Hd.	22	19	2
32128-42	Nut - Flange	34	27	4	353-551	Hex. Hd. Plug	22	32	1
32136-2	Nut	34	3	2	353-987	Elbow	20	35	1
32136-5	Nut - Slotted	18	29	2	384007-5	Clamp - Valve	29	21	1
32144-10	Screw - Hex. Self-Tapping	5	1	5					

\*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 345 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 345, 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 345.
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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