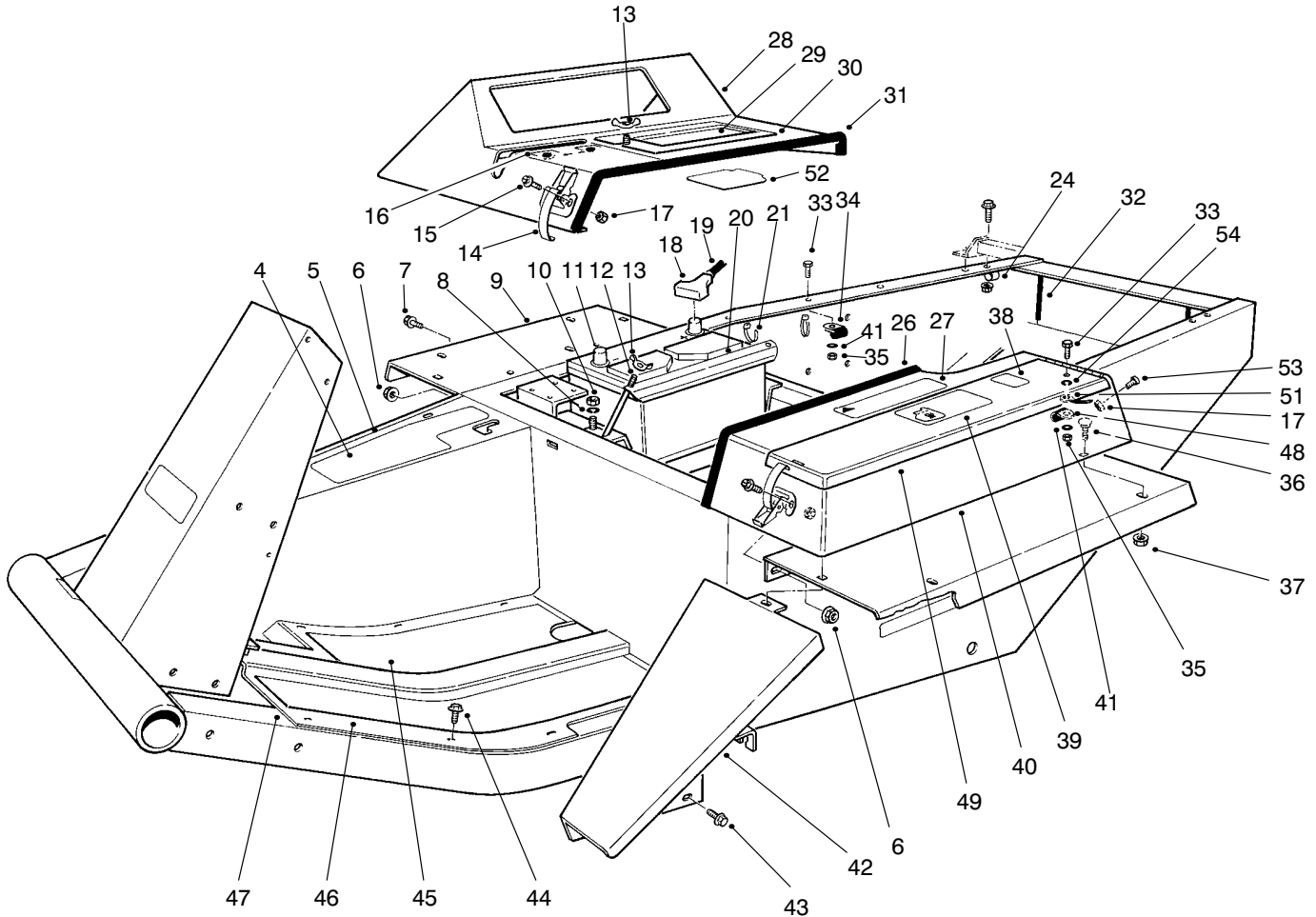




MODEL NO. 30789-50301 Thru 80001  
& UP

PARTS  
CATALOG

**GROUNDMASTER® 345  
TRACTION UNIT**



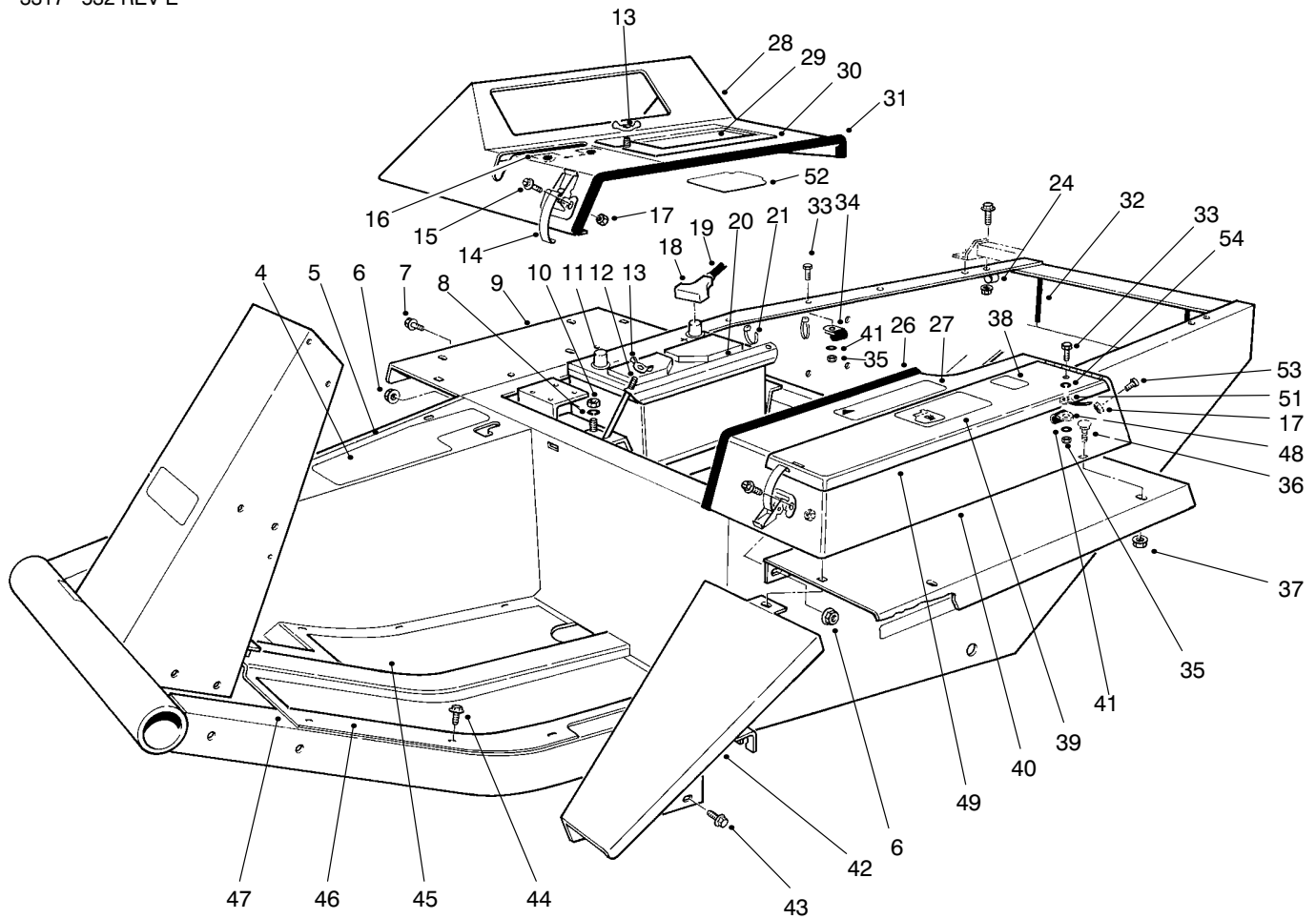
T-2803

**MAIN FRAME ASSEMBLY**

Ref. No.	Part No.	Description	No. Used
4	66-6390	Decal-Caution	1
5	21-2660	Footrest	1
7	3234-12	Screw-HHF	4
8	3253-4	Washer-Lock	2
9	72-3690	Fender	2
10	3217-6	Nut	2
11	55-7290	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
16	27-7290	Decal-Power Take Off	1
17	3296-2	Nut-Lock	9
18	28-1280	Boot-Cable	1
†19		Cable-Battery Positive	1
20	24-6420	Hold Down-Battery	1

Ref. No.	Part No.	Description	No. Used
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
32	43-4300	Trim-Rear Frame	2
33	322-6	Screw-HH	1
34	2412-74	Clamp	1
35	3296-29	Nut-Lock	2
36	3229-1	Bolt-Carriage	5

†Obtain Locally

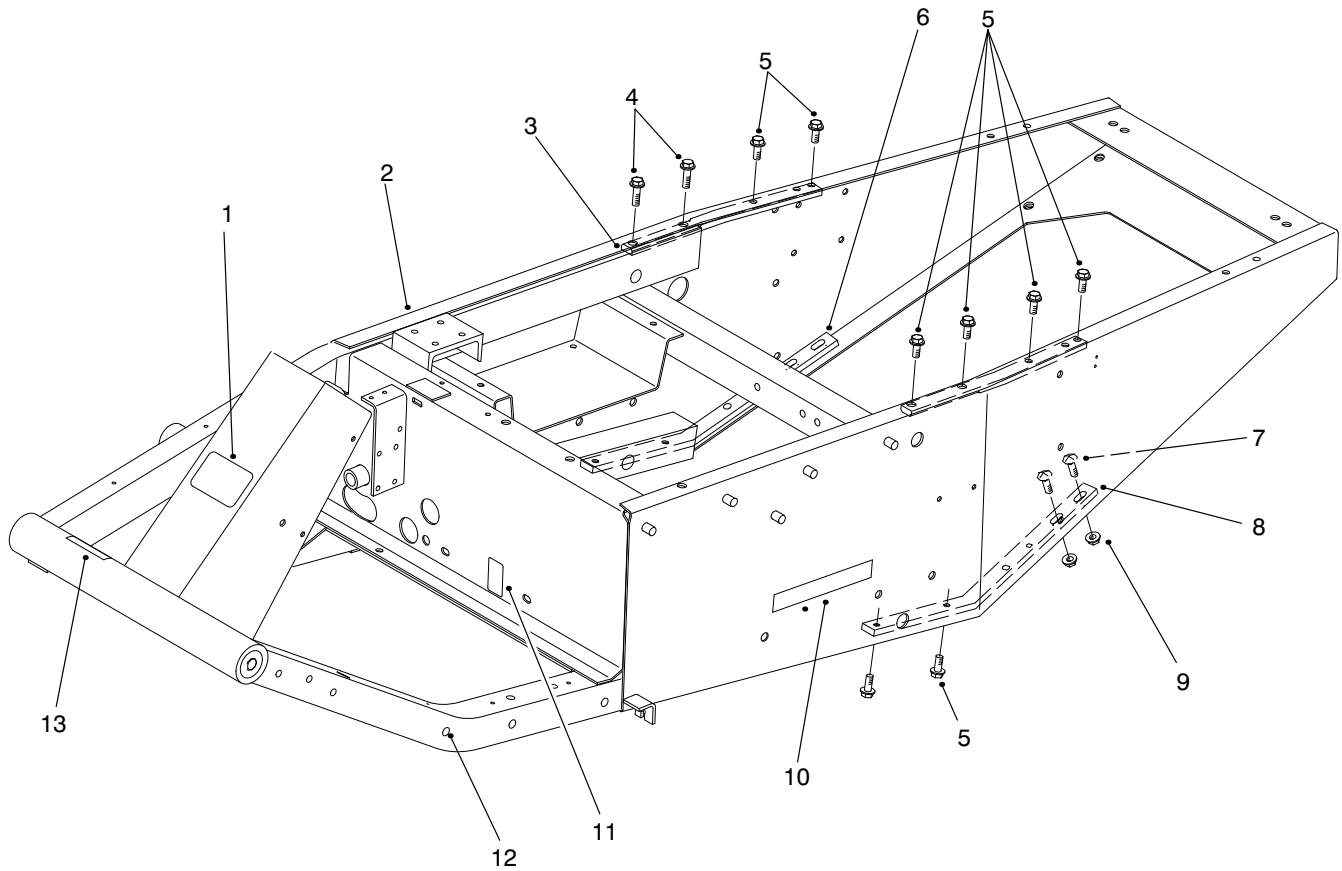


T-2803

## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
37	32128-13	Nut-Lock, Flange	5
38	53-4420	Decal-Fuel	1
39	27-7310	Decal-Refueling	1
40	93-3183	Tool Box (Incl. Ref. #27)	1
41	3256-23	Washer-Flat	2
42	68-8610	Fender-Extension	1
43	3234-14	Screw-HH	2
44	32144-10	Screw-Self Tapping	11
45	21-2770	Pad-Foot Rest R.H.	1

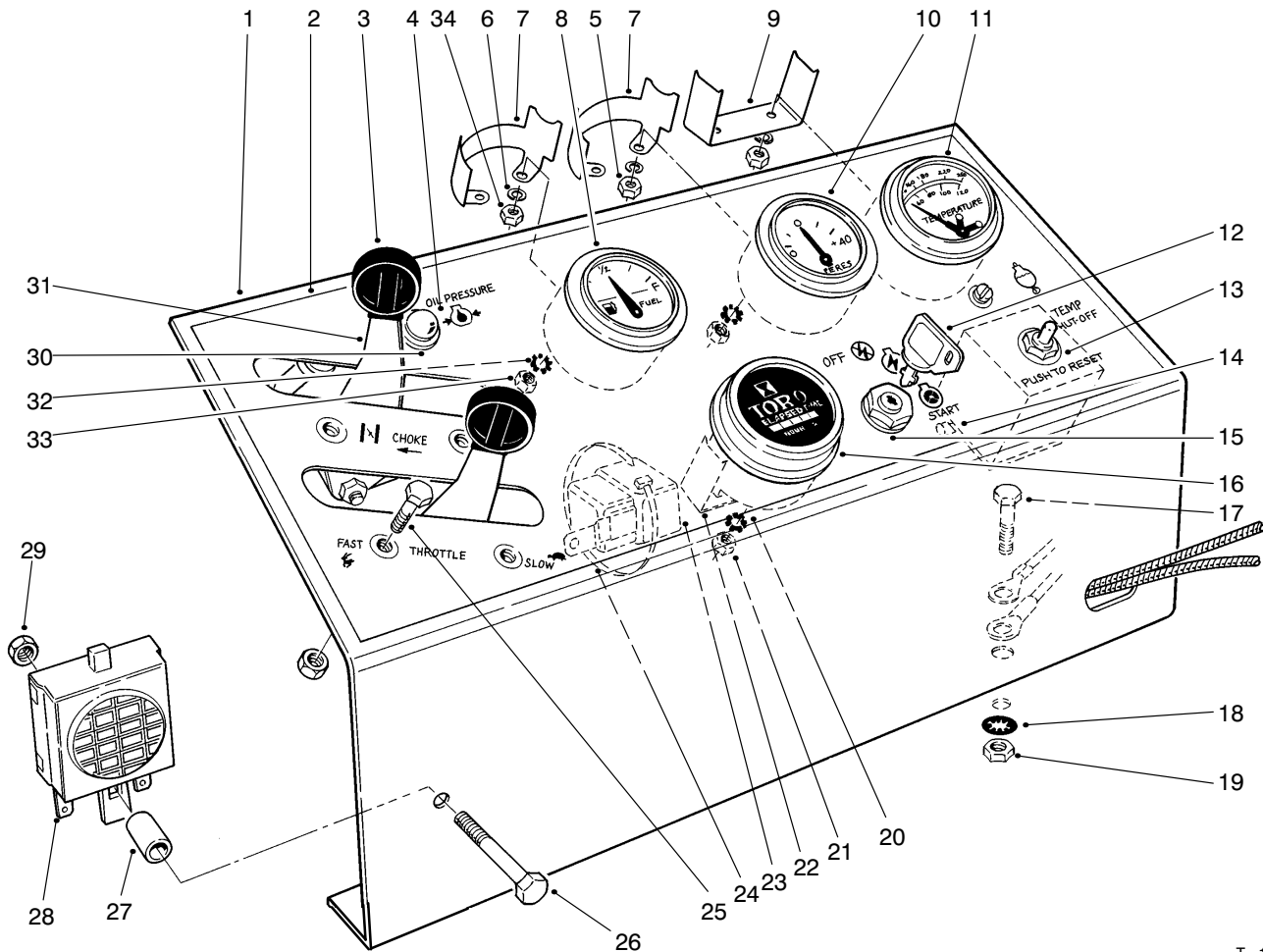
Ref. No.	Part No.	Description	No. Used
46	21-2760	Pad-Foot Rest L.H.	1
47	88-0070	Floor Plate	1
48	98-3883	Clamp-Wire	1
49	93-3184	Cover (Incl. Ref. # 39)	1
51	18-2770	Cable-Ground	1
52	92-7801	Shield-Cover, Battery	1
53	3290-144	Screw-HH	4
54	3254-2	Washer-Lock	1



T-2802

## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	70-2200	Decal-Toro	1	7	3231-25	Screw-Carriage	4
2	98-3879	Asm-Frame (Incl. Ref. #1, & 3-13)	1	8	98-3864	Brace-Lower Left	1
3	98-3866	Brace-Upper	2	9	32128-21	Nut-Lock HFH	4
4	3234-24	Screw-HHF	2	10	67-1720	Decal-Torque	2
5	3234-25	Screw-HHF	10	11	53-4430	Decal-Oil Fill	1
6	98-3865	Brace-Lower Right	1	12	32148-9	Insert-Threaded	1
				13	27-7320	Decal-Traction Pedal	1



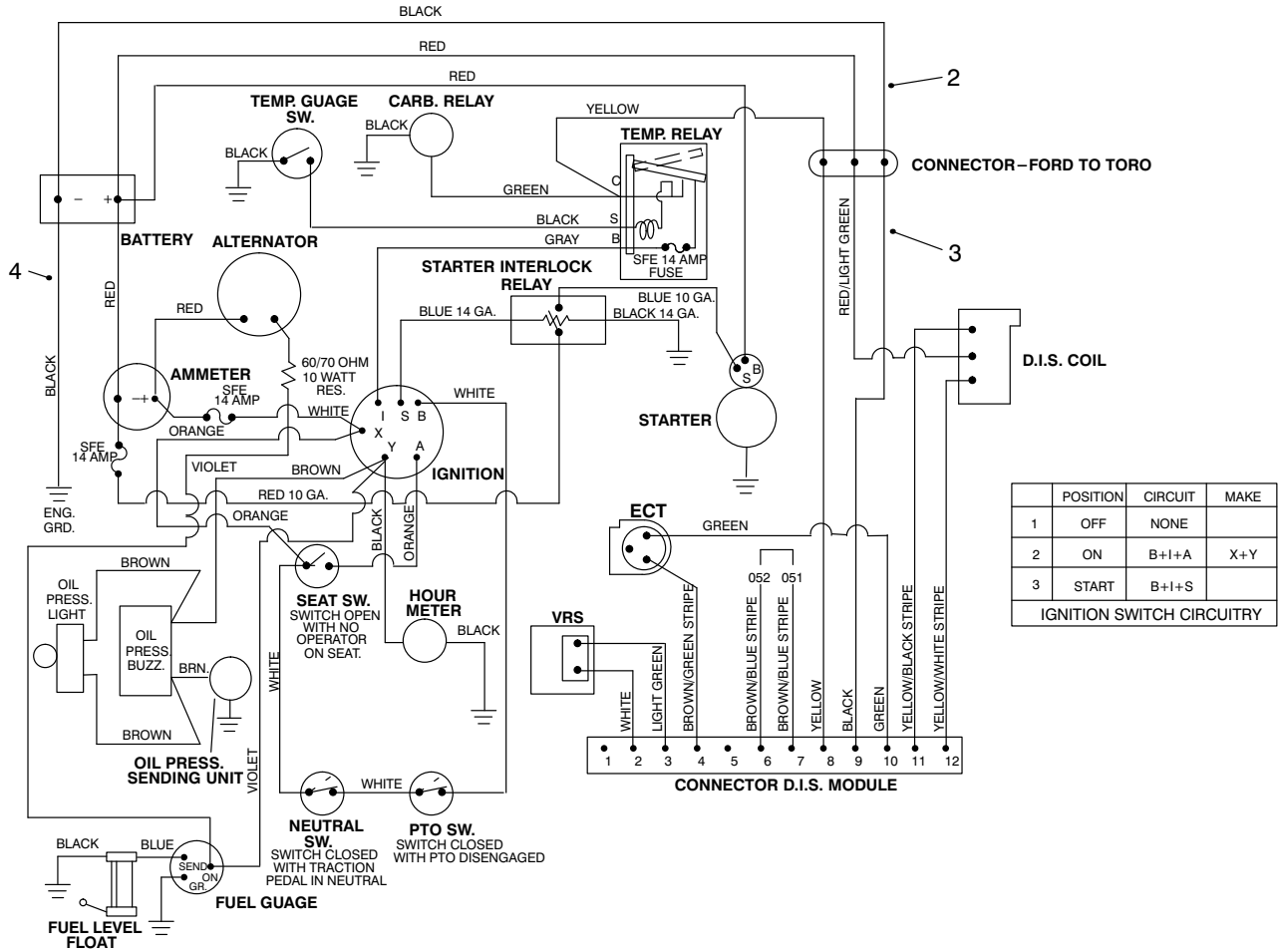
T-1175-1

## INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	86-9370	Panel-Instrument	1
2	85-7470	Decal-Instrument Panel	1
3	233-35	Knob-Control	2
4	218-516	Lens	1
5	3219-14	Nut	4
6	3254-1	Washer-Lock	6
7	38-1670	Mounting Clamp	2
8	38-1650	Fuel Gauge (Incl. Ref. #5-7, 32 & 33)	1
9	218-539	Clamp	1
10	38-1660	Ammeter (Incl. Ref. #5-7, 32 & 33)	1
11	67-8550	Engine Temperature Gauge (Incl. Ref. #5, 6 & 9)	1
12	63-8360	Key	1
13	26-6740	Temperature Reset Relay	1
†14		Fuse Temp. Relay 14 amp SFE	1
15	27-2360	Switch	1
16	12-9990	Hour Meter (Incl. Ref. #20-22)	1

Ref. No.	Part No.	Description	No. Used
17	322-5	Screw-HH	2
18	3254-2	Washer-Lock, Int. Tooth	6
19	3217-6	Nut	2
20	3255-5	Washer-Lock	1
21	3217-26	Nut-Hex.	1
22	218-515	Mounting Bracket	1
23	63-7590	Relay	1
24	3290-379	Cable Tie	A/R
25	3290-134	Screw Machine Hex. Hd.	4
26	3290-360	Screw Machine Hex. Hd.	1
27	22-7810	Spacer	1
28	22-7820	Asm-Buzzer	1
29	3296-12	Nut-Lock	5
30	44-2210	Warning Light (Incl. Ref. #4)	1
31	67-8560	Throttle & Choke Control (Incl. Ref. #3)	2
32	3255-24	Washer-Lock	5
33	3217-29	Nut-Hex.	6
34	3217-27	Nut-Hex.	2

†Obtain Locally



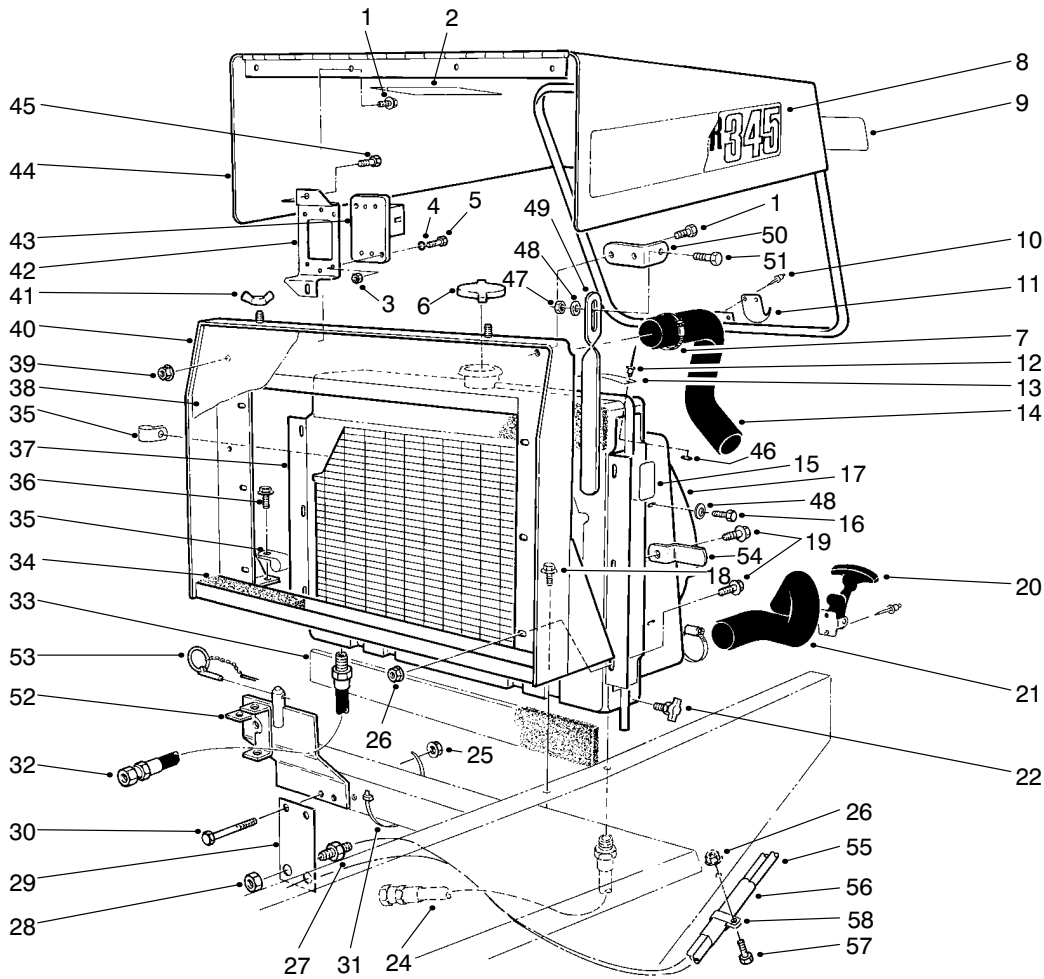
T-0915-1

## ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	93-9741	Asm-Wire-Harness	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.



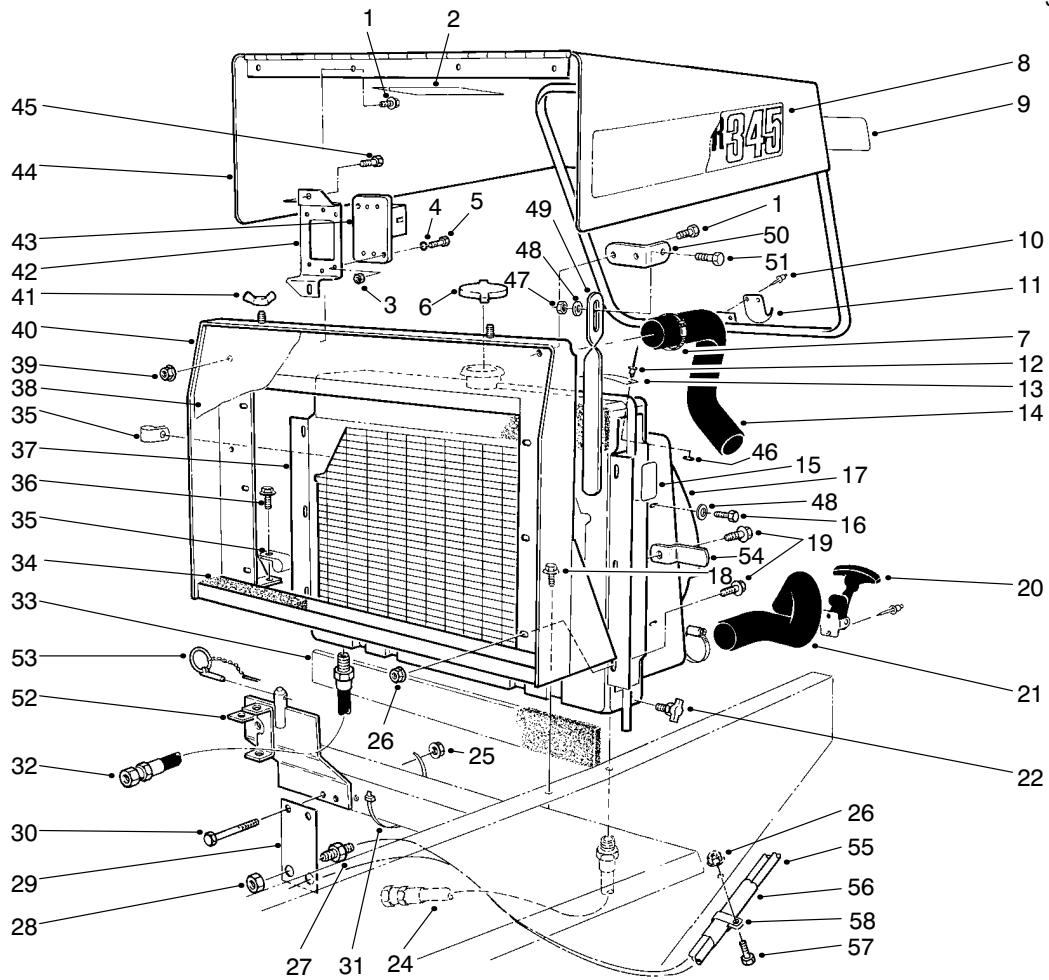
T-0916-4

## RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144-10	Screw-TAP	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	93-3189	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	32104-109	Screw-HHF	4
17	67-8640	Shroud-Radiator	1
18	3234-1	Screw-HHF	2
19	3234-14	Screw-HHF	6
20	59-9740	Latch-Draw (Inc. Ref. #11)	1
21	67-8660	Hose-Radiator Lower	1
22	304-46	Draincock	1
24	63-9010	Asm-Hose (Cooler to Pump)	1
25	32128-21	Nut-HF	3

Ref. No.	Part No.	Description	No. Used
26	32128-20	Nut-HF	7
27	340-71	Union-Bulkhead	2
28	340-70	Nut-Lock, Bulkhead	2
29	68-9160	Bracket	1
30	323-14	Screw-HH	3
31	3290-379	Tie-Cable	A/R
32	63-8960	Asm-Hose	1
33	43-3320	Foam-Radiator	2
34	70-1790	Strip-Foam Sealing	1
35	2412-39	Clamp	2
36	3234-24	Screw-HHF	2
37	67-8590	ASM-Radiator	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-HH	2
46	3269-10	Washer	2
47	3296-16	Nut-Lock	1
48	3256-22	Washer-Flat	5
49	84-5380	Strap-Hood Prop	1
50	84-5330	Bracket-Hood Prop	1
51	321-6	Screw-HH	1

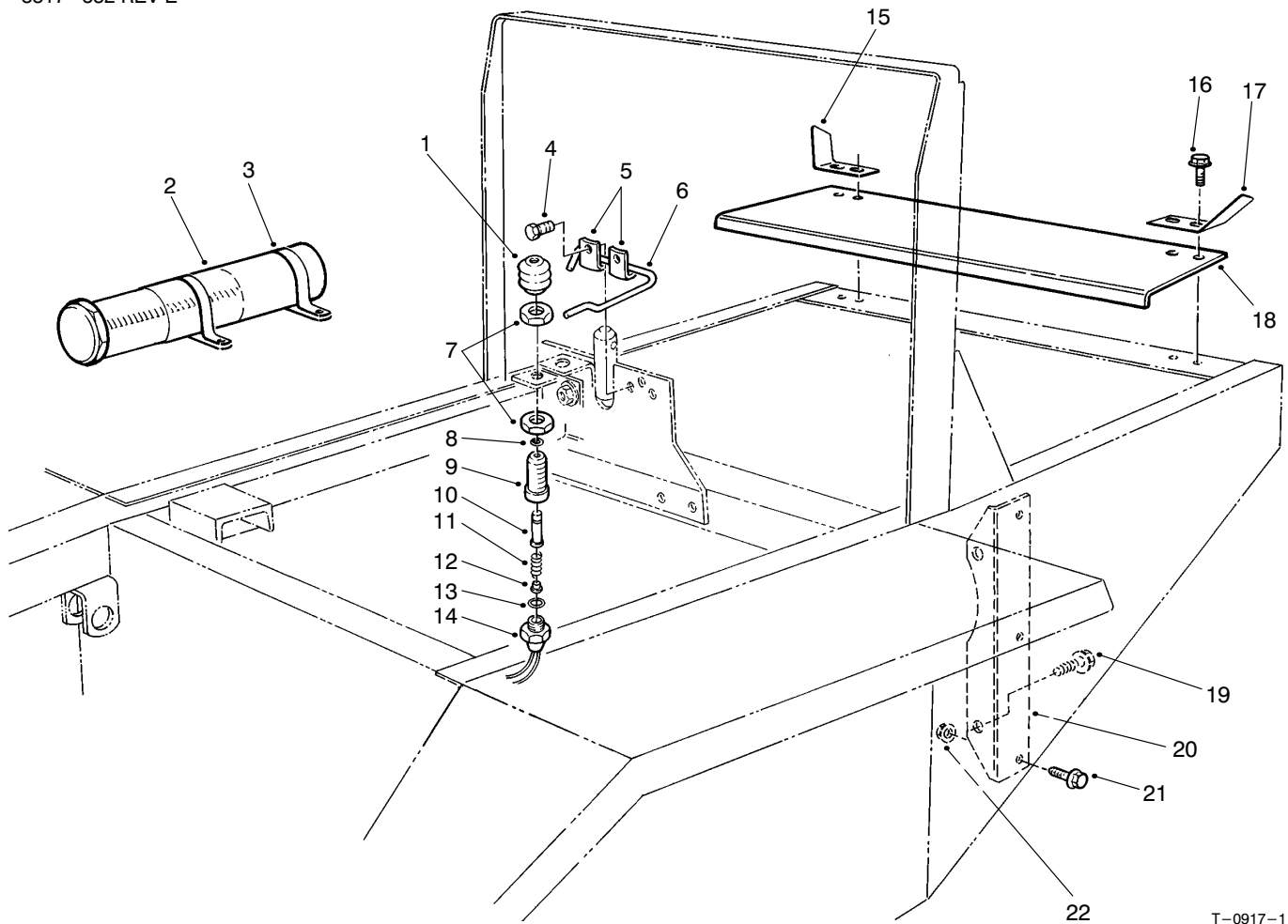
†Obtain from your local Ford Power Products Dealer.



T-0916-4

## RADIATOR & HOOD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
52	86-9410	Support-Seat	1	56	56-7980	Sleeve-Protective	1
53	283-76	Pin-Lynch	1	57	322-6	Screw-HH	1
54	86-7060	Bracket-Hood Hold Down	1	58	2412-74	Clamp	1
55	68-9710	Hose-Steering Cylinder	2				



T-0917-1

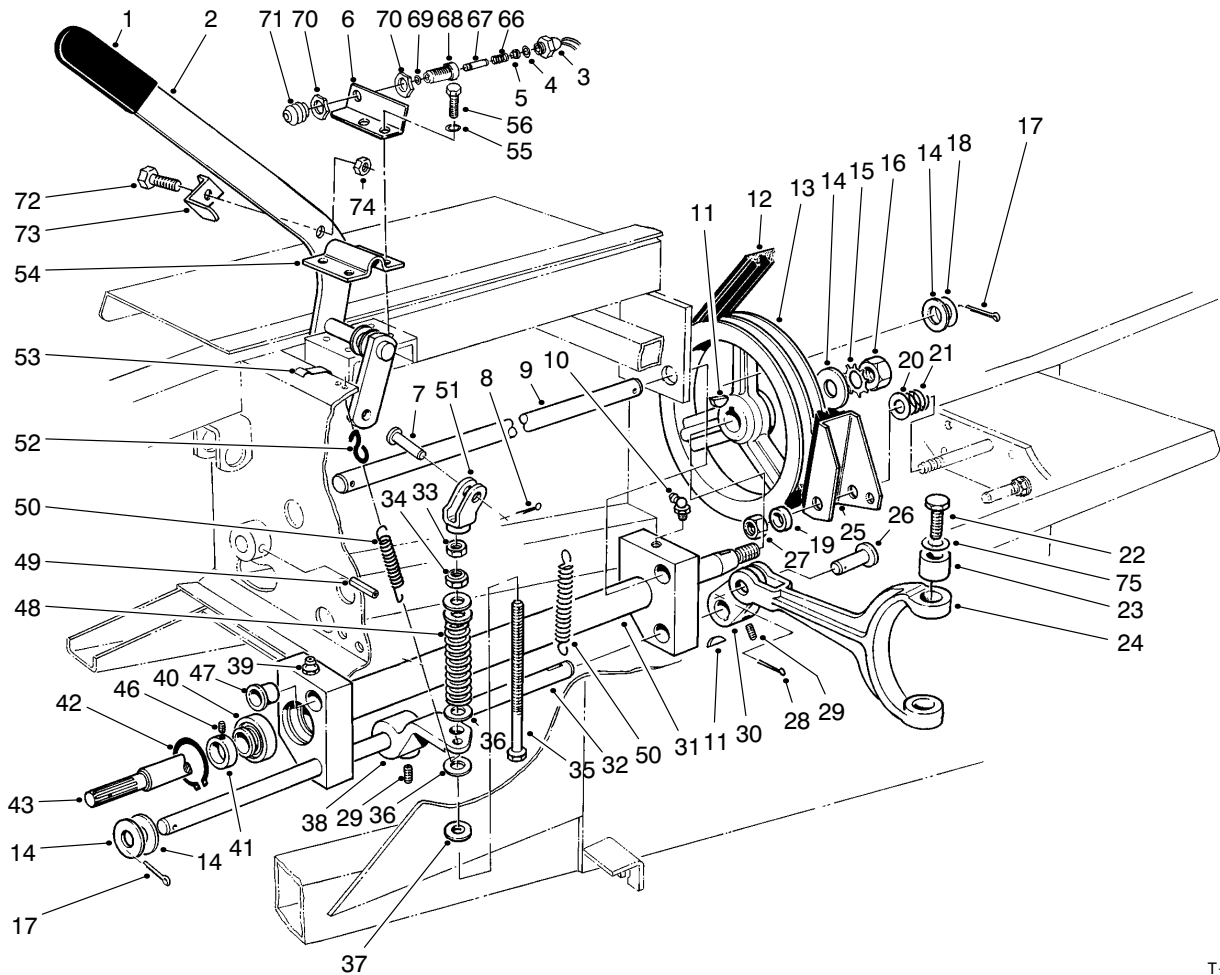
## INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-8870	Boot-Switch	1
2	74-0720	Tube-Manual	1
3	2412-133	R-Clamp	2
4	32144-10	Screw-TAP	2
5	3-6657	Clip	2
6	86-7040	Rod-Seat Prop	1
7	218-461	Nut-Jam	2
8	237-7	O-Ring	1
9	43-8620	Guide-Switch Pin	1
10	43-8860	Plunger-Switch	1
11	43-8600	Spring-Compression	1
12	43-8610	Guide-Spring & Ball Seat	1
13	237-30	O-Ring	1

Ref. No.	Part No.	Description	No. Used
14	72-4320	Switch-Ball	1
15	62-3010	Bracket-R.H.	1
16	3234-17	Screw-HHF	4
17	62-3020	Bracket-L.H.	1
18	70-1890	Guard-Flywheel	1
19	3234-6	Screw-HHF	2
20	67-8190	Bracket-Engine Support	2
21	3234-11	Screw-HHF	6
22	3290-357	Nut-Lock, Flange	6
*	43-9071	Asm-Switch (Incl. Ref.#1, 7-14, Qty. 1 of Item #7)	1

\*Not Illustrated

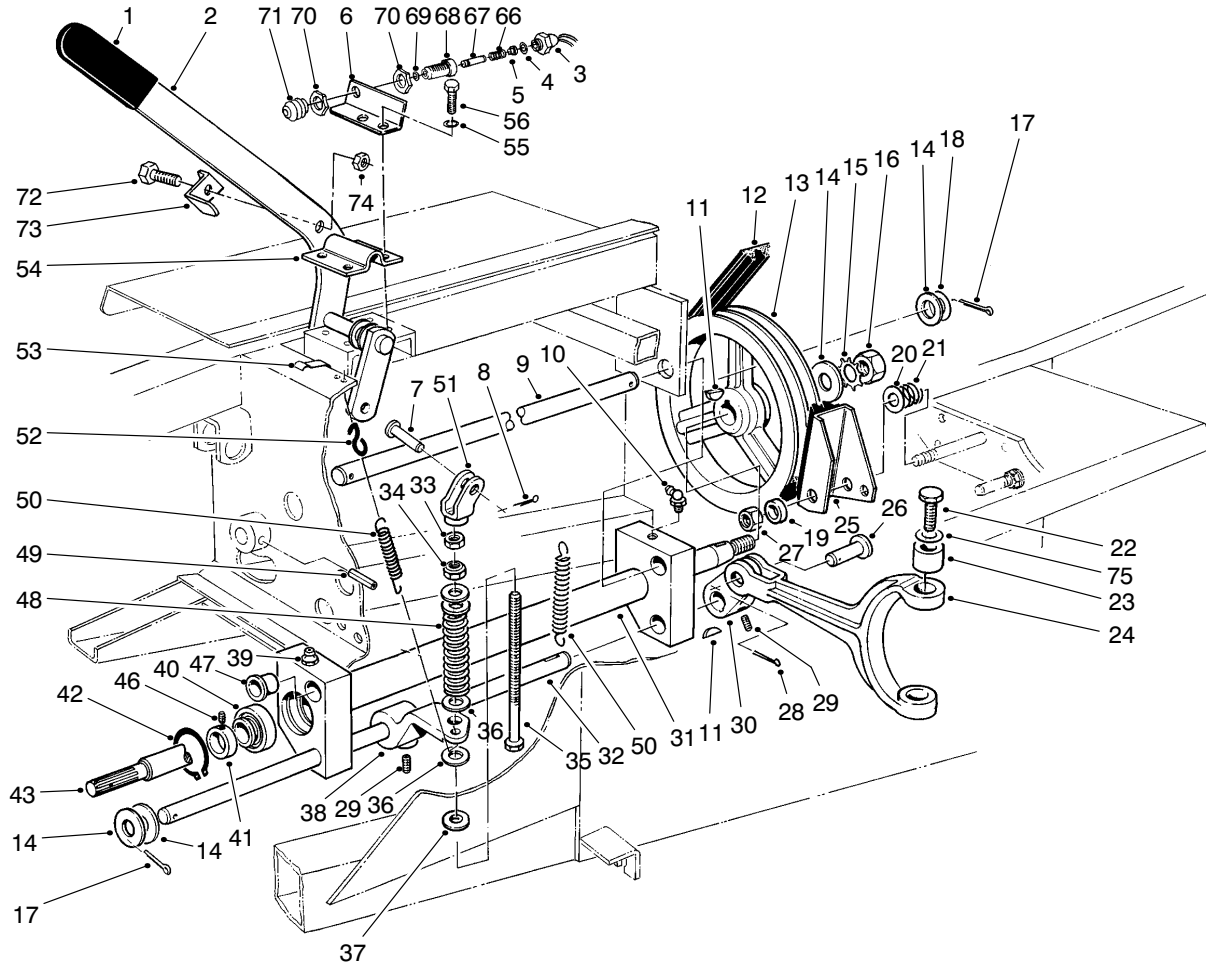




T-0413-3

## 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	Pin-Cotter	1
3	72-4320	Switch-Ball	1	29	3246-3	Screw-Set	4
4	237-30	O-Ring	1	30	92-4058	Arm-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- P.T.O. Actuator	1
7	283-42	Clevis Pin	1	33	3219-3	Nut	1
8	3272-6	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	Fitting-Grease	1	36	3256-41	Washer-Flat	4
11	3257-5	Key-Woodruff	3	37	5-0652	Spacer	1
12	53-9660	V-Belt Torque Team	1	38	43-5570	Arm-P.T.O. Actuator	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-Hex.	1	42	32120-22	Ring-Retaining	2
17	3272-22	Pin-Cotter	2	43	43-5540	Shaft P.T.O.	1
18	3-6498	Washer	A/R	44	62-4260	Asm-Drive Shaft	1
19	3-8812	Spacer	1	46	3246-1	Screw-Set	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	92-5727	Screw-HH	2	49	32121-9	Pin-Roll	1
23	92-5723	Bushing-P.T.O. Fork	2	50	21-1830	Spring-Tension	2
24	92-4060	Fork P.T.O.	1	51	43-5630	Yoke-P.T.O.	1
25	27-7370	Asm-Brake, P.T.O.	1				
26	93-3769	Clevis Pin	1				



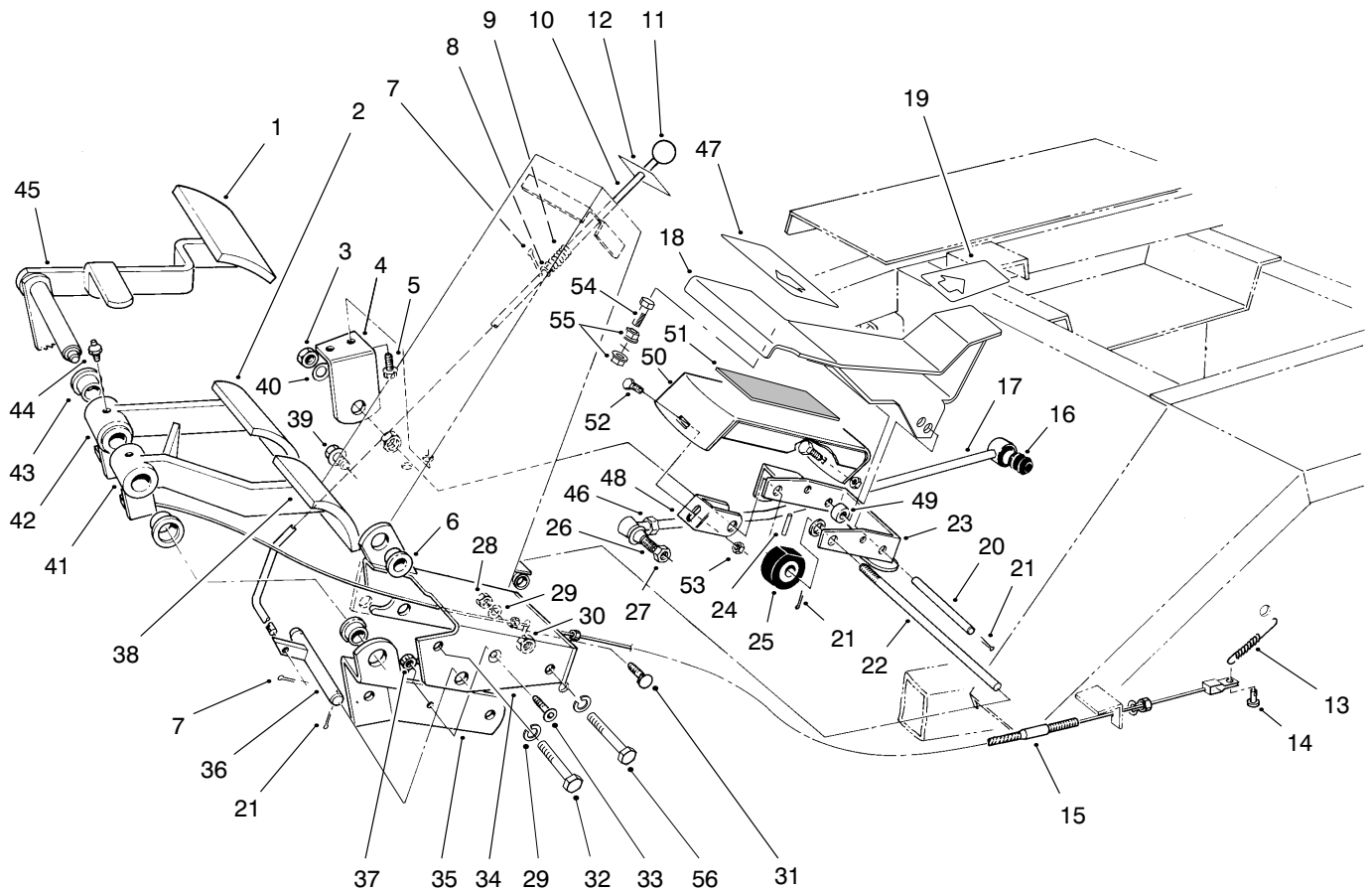
I-0413-3

## POWER TAKE OFF ASSEMBLY (Continued)

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

Ref. No.	Part No.	Description	No. Used
70	218-461	Nut-Jam	2
71	43-8870	Boot-Switch	1
72	321-4	Screw-HH	1
73	86-7050	Bracket-Switch Actuator	1
74	3296-16	Nut-Lock	1
75	75-9890	Washer-Shim	A/R
*	43-9071	Asm-Switch (Incl. Ref. #3-5 & 66-71) (Qty. 1 of Item #70)	1

\*Not Illustrated

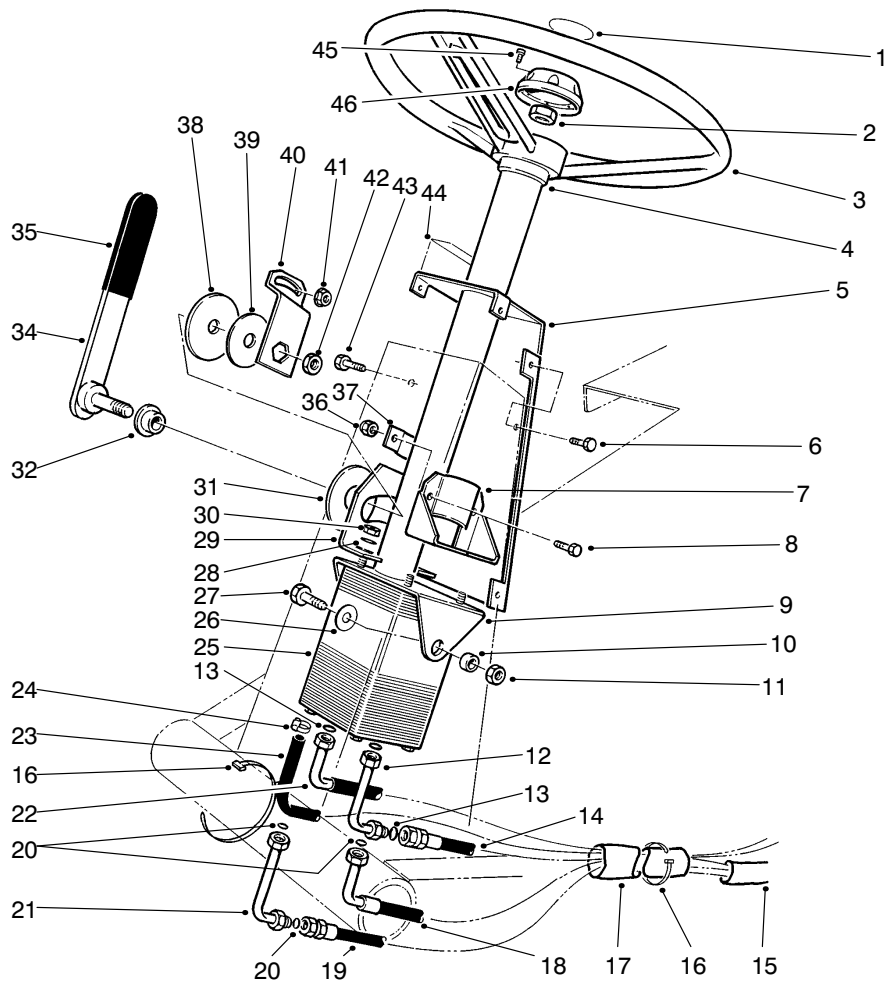


T-0415-4

## BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	7-3900	Pad-Brake	1	29	3253-21	Washer-Lock	4
2	27-7580	Pad-Right Turn	1	30	32153-2	Nut-Lock	2
3	3218-5	Nut-Jam	2	31	3231-21	Bolt-Carriage	2
4	21-2850	Mount-R.H. Pedal	1	32	323-13	Screw-HH	1
5	11-0590	Screw-TAP	2	33	3274-47	Screw-HSFH	1
6	256-156	Bushing	5	34	27-7590	Mount-Brake	1
7	3272-5	Pin-Cotter	3	35	27-9270	Mount-Brake Pivot Shaft	1
8	3256-22	Washer-Flat	1	36	27-7640	Shaft-Brake Latch	1
9	95-1821	Spring-Compression	1	37	32149-2	Nut	1
10	82-8670	Rod-Brake Latch	1	38	27-7570	Pad-Left Turn	1
11	233-17	Knob	1	39	3234-11	Screw-HH	3
12	82-8930	Decal-Parking Brake	1	40	3256-26	Washer-Flat	1
13	3-7243	Spring-Extension	2	41	27-7490	Pedal-L.H. Brake (Incl. Ref. #43)	1
14	283-58	Pin-Clevis	2	42	27-7510	Pedal-R.H. Brake (Incl. Ref. #43)	1
15	21-3380	Cable-L.H. Brake	1	43	256-10	Bushing	4
*	21-3370	Cable-R.H. Brake	1	44	302-5	Fitting-Grease	2
16	23-2270	Bushing-Rubber	1	45	27-8550	Pedal-Parking Brake	1
17	23-2240	Rod-Pump Control	1	46	3220-5	Nut-Jam	1
18	94-3304	Pedal-Traction	1	47	94-3307	Pad-Front Pedal	1
19	94-3308	Pad-Rear Pedal	1	48	88-1680	Bracket-Footrest	1
20	88-1640	Pin-Traction Pedal	1	49	88-0470	Tube-Pedal Spacer	1
21	3272-6	Pin-Cotter	6	50	88-1710	Footrest	1
22	88-1650	Shaft-Traction Pedal	1	51	88-1720	Pad-Footrest	1
23	88-1670	Bracket-Pivot (Incl. Ref. #6)	1	52	3230-1	Bolt-Carriage	2
24	32121-16	Pin-Roll	1	53	32128-25	Nut-Flange Lock	2
25	28-5220	Wheel-Friction	1	54	323-42	Screw-HH	1
26	21-0141	Asm-Socket R.H.	1	55	32128-43	Nut-HF	2
27	3220-3	Nut-Jam	1	56	323-14	Screw-HH	1
28	3217-7	Nut-Hex	2				

\*Not Illustrated

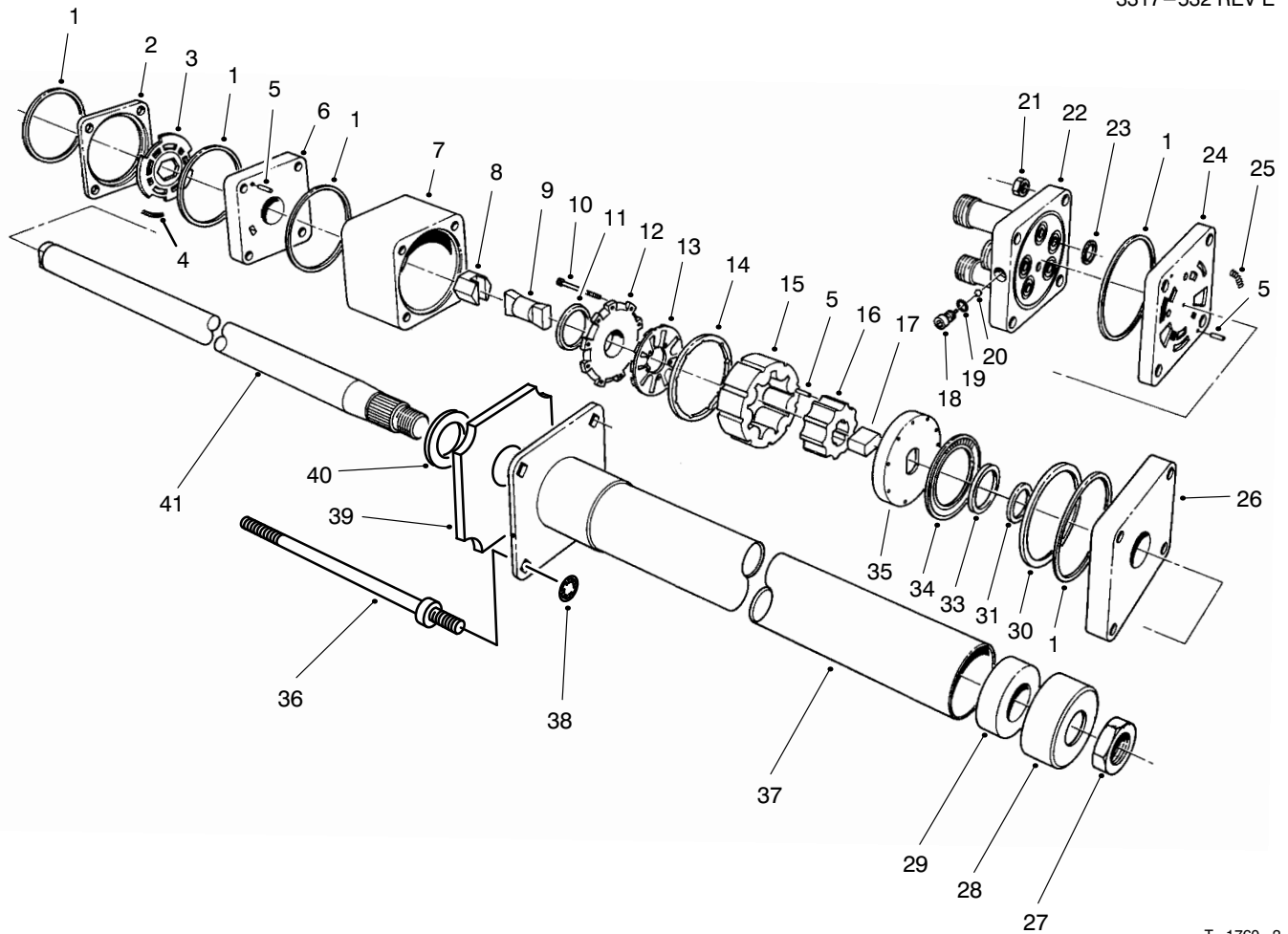


T-1187-3

## POWER STEERING ASSEMBLY

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

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



T-1760-2

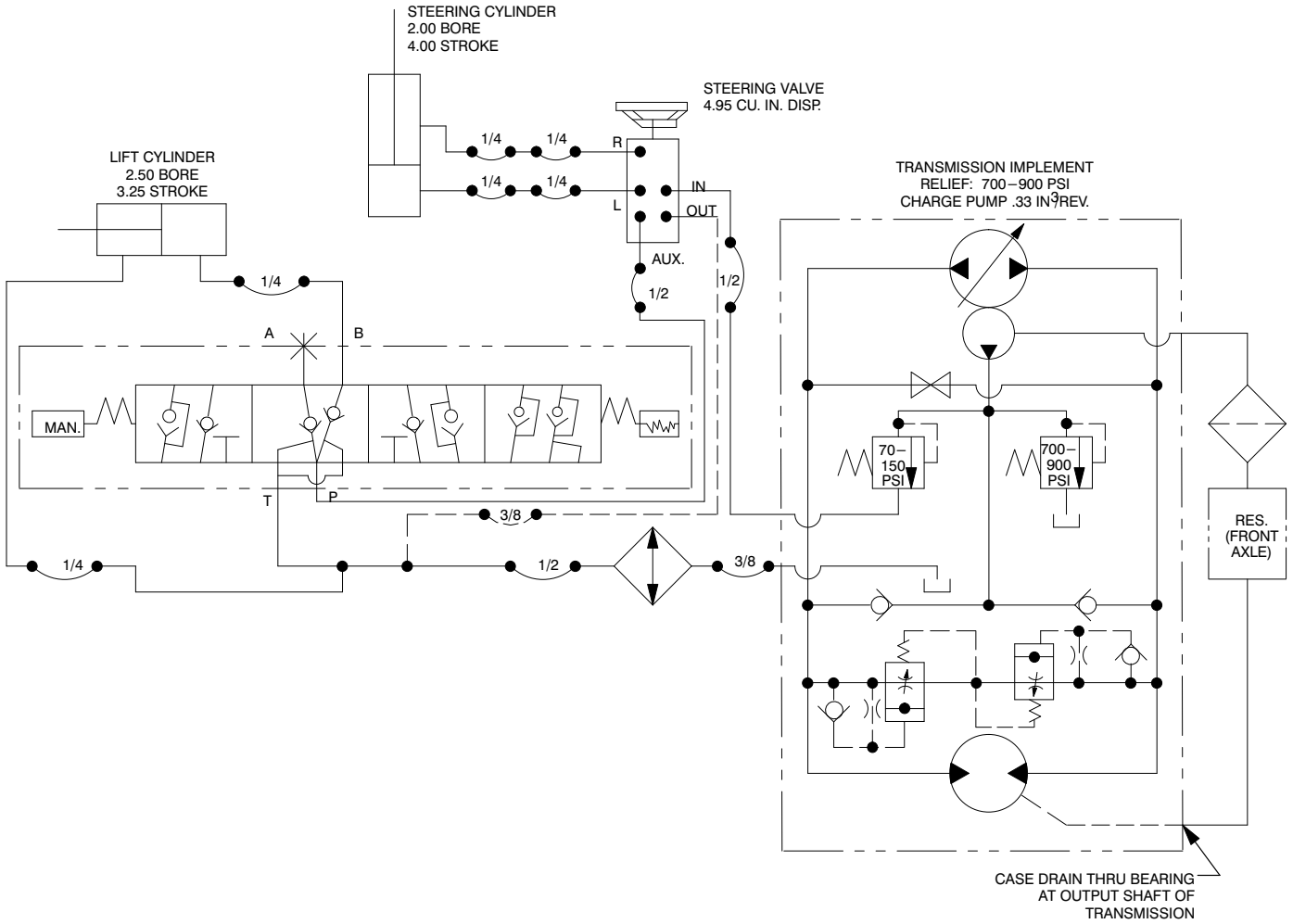
## POWER STEERING & VALVE ASSEMBLY NO.92-7308

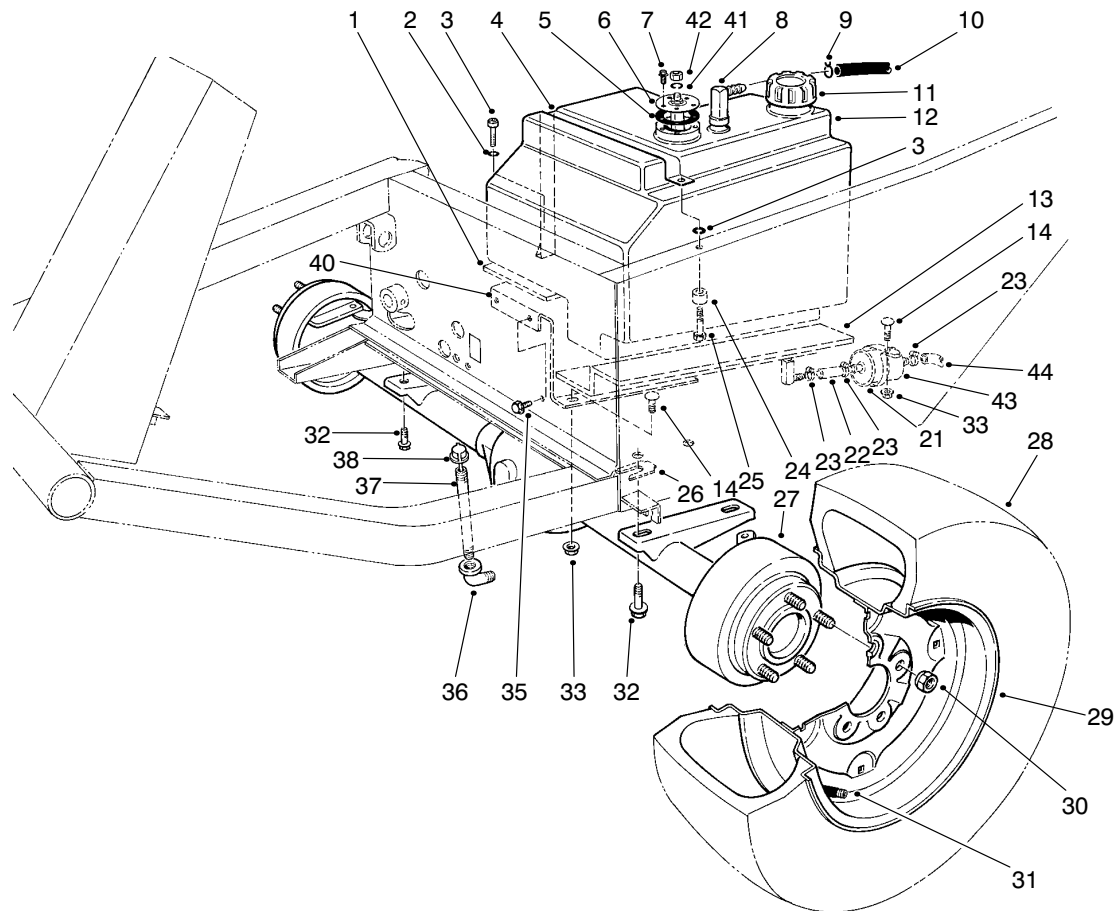
Ref. No.	Part No.	Description	No. Used
1		Ring-Seal	5
2		Ring-Valve	1
3		Plate-Valve	1
4		Spring	3
5		Pin-Alignment	9
6		Manifold-Isolation	1
7		Ring-Metering	1
8		Asm-Hex Drive	1
9		Link-Drive	1
10		Screw-HSH	11
11		Seal-Commutator	1
12		Cover-Commutator	1
13		Commutator	1
14		Ring-Commutator	1
15	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

Ref. No.	Part No.	Description	No. Used
26		Plate-Upper Cover	1
27	3220-6	Nut	1
28	92-7315	Seal	1
29		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	Kit-Spring (Incl. Ref. #4 & 25)	1
*	66-9980	Kit-Seal (Incl. Ref. #1, 11, 19, 23 & 33)	1
*	66-9990	Kit-Needle Roller (Incl. Ref. #5)	1
*	92-7314	Asm-Column (Incl. Ref. #27-29 & 37-41)	1

\*Not Illustrated

# HYDRAULIC SCHEMATIC



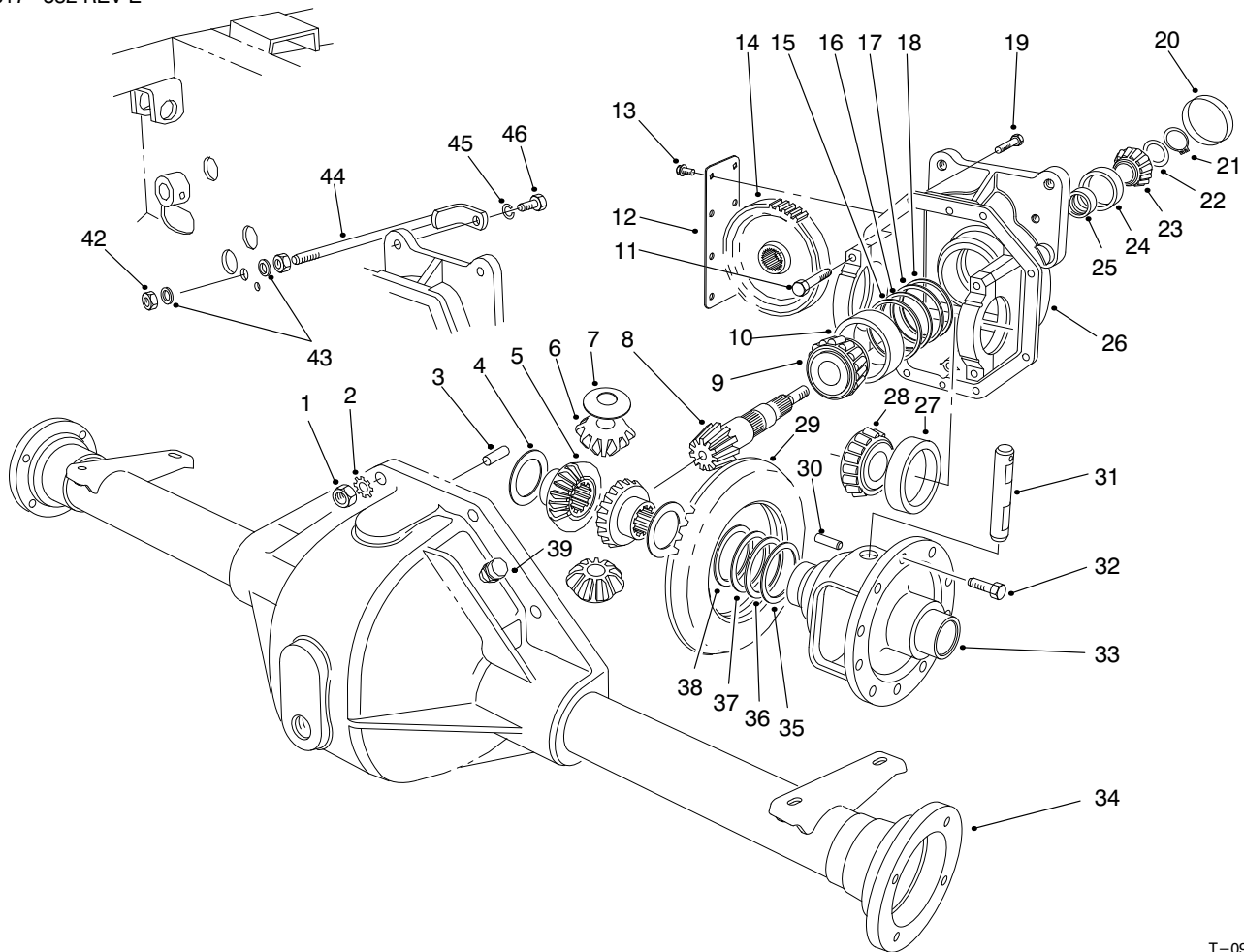


T-0218-1

## FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-3600	Foam-Support Tank	1	29	217-117	Rim	2
2	3253-3	Washer-Lock	2	*	217-116	Rim-23" x 10.5" x 12" (Optional)	2
3	32104-96	Screw-HH	1	30	23-7270	Nut-Wheel	10
4	37-9550	Strap-Tank Fuel	1	31	232-31	Stem-Valve	2
5	62-7650	Gasket-Tank Fuel	1	*	232-27	Stem-Valve 23 x 10.5 x 12 (Optional)	2
6	62-6840	Sender-Fuel Level	1	32	32144-67	Screw-Thread Forming	4
7	32144-53	Screw-HWHTF	5	33	32128-20	Nut-Flange	3
8	353-536	Fitting-Tank, Fuel	2	35	3234-11	Screw-HHF	2
9	2412-6	Clamp	1	36	2811-9	Elbow-Street	1
10	63-7630	Hose-Vent Fuel	1	37	289-37	Nipple-Pipe	1
11	55-3574	Cap-Tank Fuel	1	38	23-5180	Dipstick	1
12	43-9110	Tank-Fuel (Incl. Ref. #8)	1	40	68-9760	Base-Tank Fuel	1
13	21-3610	Foam-Support Tank	1	41	3253-17	Washer-Lock	1
14	3230-2	Bolt-Carriage	3	42	3219-14	Nut	1
21	2412-96	Clamp-R	1	43	18-1520	Filter-Gas	1
22	92-1662	Hose-Fuel	1	44	92-1661	Hose-Fuel	1
23	2412-108	Clamp	3	*	62-7020	Asm-Wheel & Tire 4 Ply (23" x 10.5" x 12") (Optional)	2
24	22-7810	Spacer	1	*	69-9870	Asm-Wheel & Tire 6 Ply (23" x 10.5" x 12") (Optional)	2
25	321-6	Screw-HH	1	*	231-90	Tube-Inner (Optional)	2
26	42-6080	Shim-Axle	A/R	*	95-3093	Kit-400 Hour Filter (Incl. Ref. #43)	1
27	86-9600	Asm-Front Axle	1				
28	231-101	Tire	2				
*	231-95	Tire-23" x 10.5" x 12" 4 Ply (Optional) 4 Ply	2				
*	69-9880	Tire-23" x 10.5" x 12" 6 Ply (Optional)	2				

\*Not Illustrated



T-0919-2

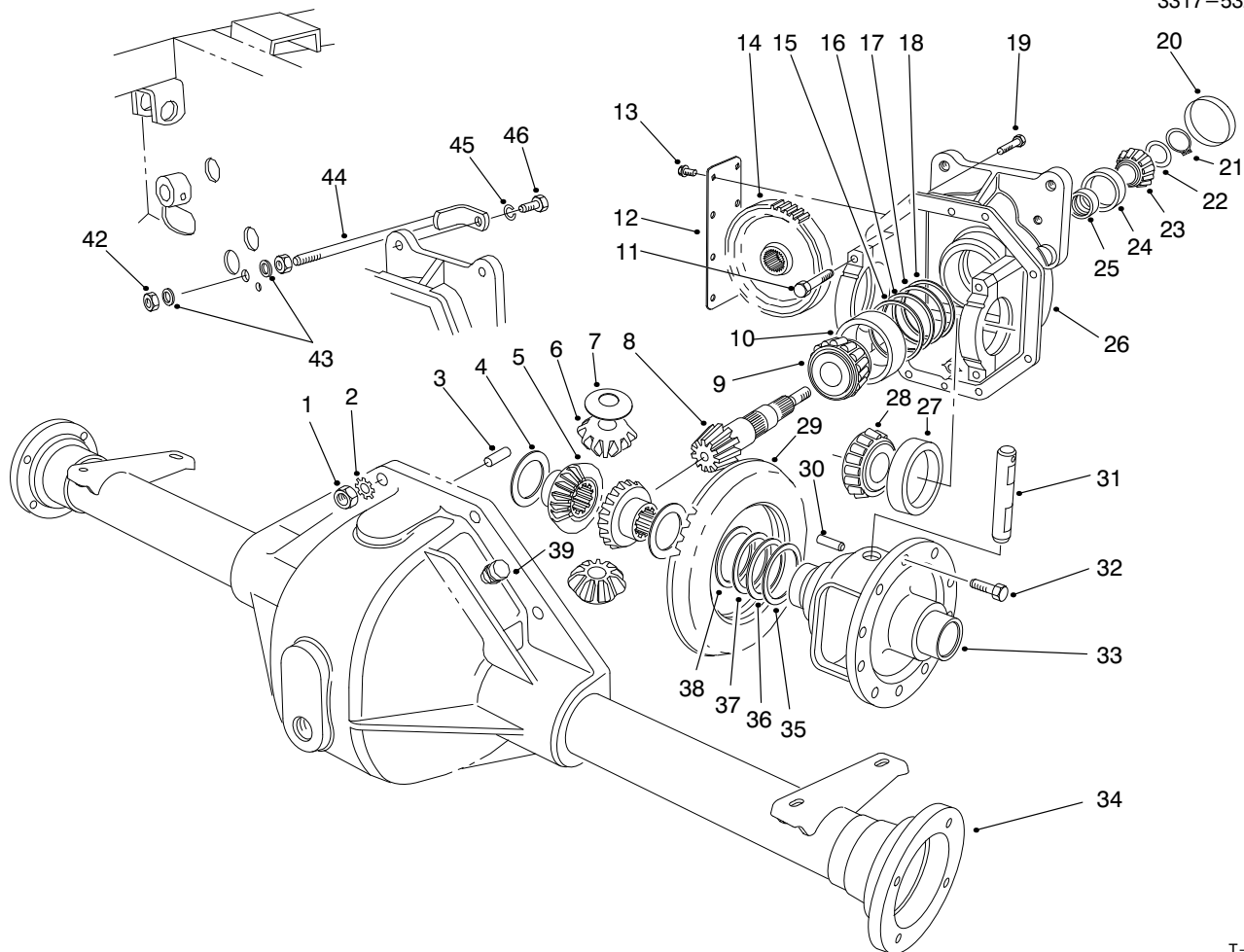
## FRONT AXLE ASSEMBLY NO. 86-9600

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-HH	4
12	21-7830	Gear Cover	1
13	32144-112	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-HH	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
*	46-2212	Shim-Front Pinion Bearing (.035)	A/R

Ref. No.	Part No.	Description	No. Used
*22	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
*	46-2411	Shim-Front Pinion Bearing (.064)	A/R

\*Not Illustrated



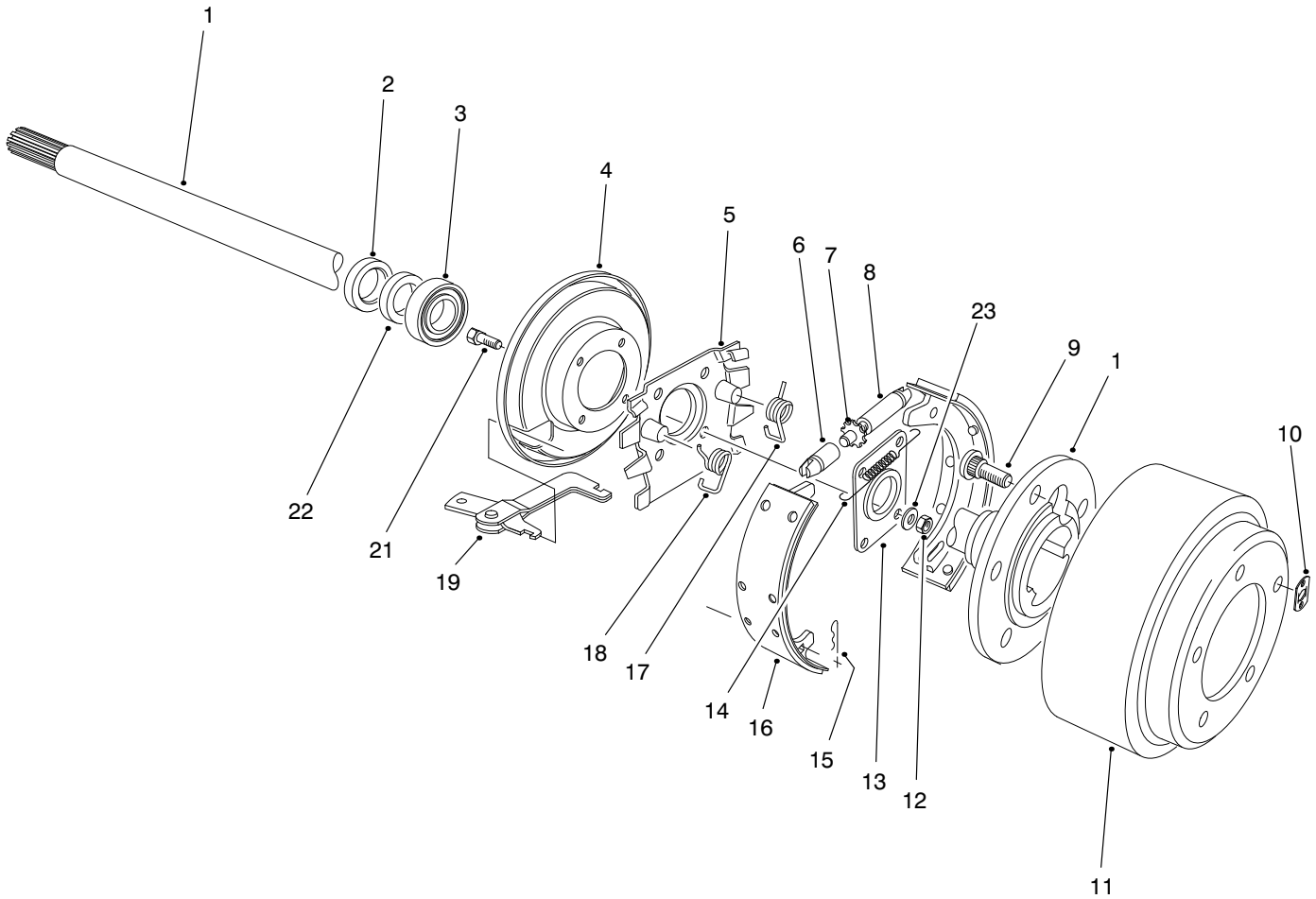


T-0919-2

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

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
*22	46-2412	Shim-Front Pinion Bearing (.066)	A/R	25	21-8020	Spacer-Pinion Bearing	1
*	46-2413	Shim-Front Pinion Bearing (.068)	A/R	26	86-9580	Upper Housing (Incl. Ref. #11)	1
*	46-2414	Shim-Front Pinion Bearing (.070)	A/R	27	254-66	Cup-Tapered Bearing	2
*	46-2415	Shim-Front Pinion Bearing (.072)	A/R	28	254-65	Cone-Tapered Bearing	2
*	46-2416	Shim-Front Pinion Bearing (.074)	A/R	29		Ring Gear	1
*	46-2420	Shim-Front Pinion Bearing (.076)	A/R	30	32121-15	Roll Pin	1
*	46-2421	Shim-Front Pinion Bearing (.078)	A/R	31	21-7700	Pinion Mate Shaft	1
*	46-2422	Shim-Front Pinion Bearing (.080)	A/R	32	21-7770	Drive Gear Screw	5
*	46-2423	Shim-Front Pinion Bearing (.082)	A/R	33	21-7670	Differential Case	1
*	46-2424	Shim-Front Pinion Bearing (.084)	A/R	34	43-6840	Lower Housing	1
*	46-2425	Shim-Front Pinion Bearing (.086)	A/R	35	21-8120	Adjustment Shim .030	A/R
*	46-2426	Shim-Front Pinion Bearing (.088)	A/R	36	21-8110	Adjustment Shim .010	A/R
23	254-91	Bearing Cone	1	37	21-8100	Adjustment Shim .005	A/R
24	254-90	Bearing Cup	1	38	21-8090	Adjustment Shim .003	A/R
				39	72-9420	Vent Tube Assembly	1
				*	92-4903	Asm-Upper Hsg., 2WD (Incl. Ref. #4-33 & 35-38)	1
				*	92-4848	Asm-Gear & Pinion (Incl. Ref. #8 & 29)	1
				42	3217-9	Nut	2
				43	3256-5	Washer-Flat	2
				44	24-9830	Support-Axle	1
				45	3253-21	Washer-Lock	1
				46	323-6	Screw-HH	1

\*Not Illustrated



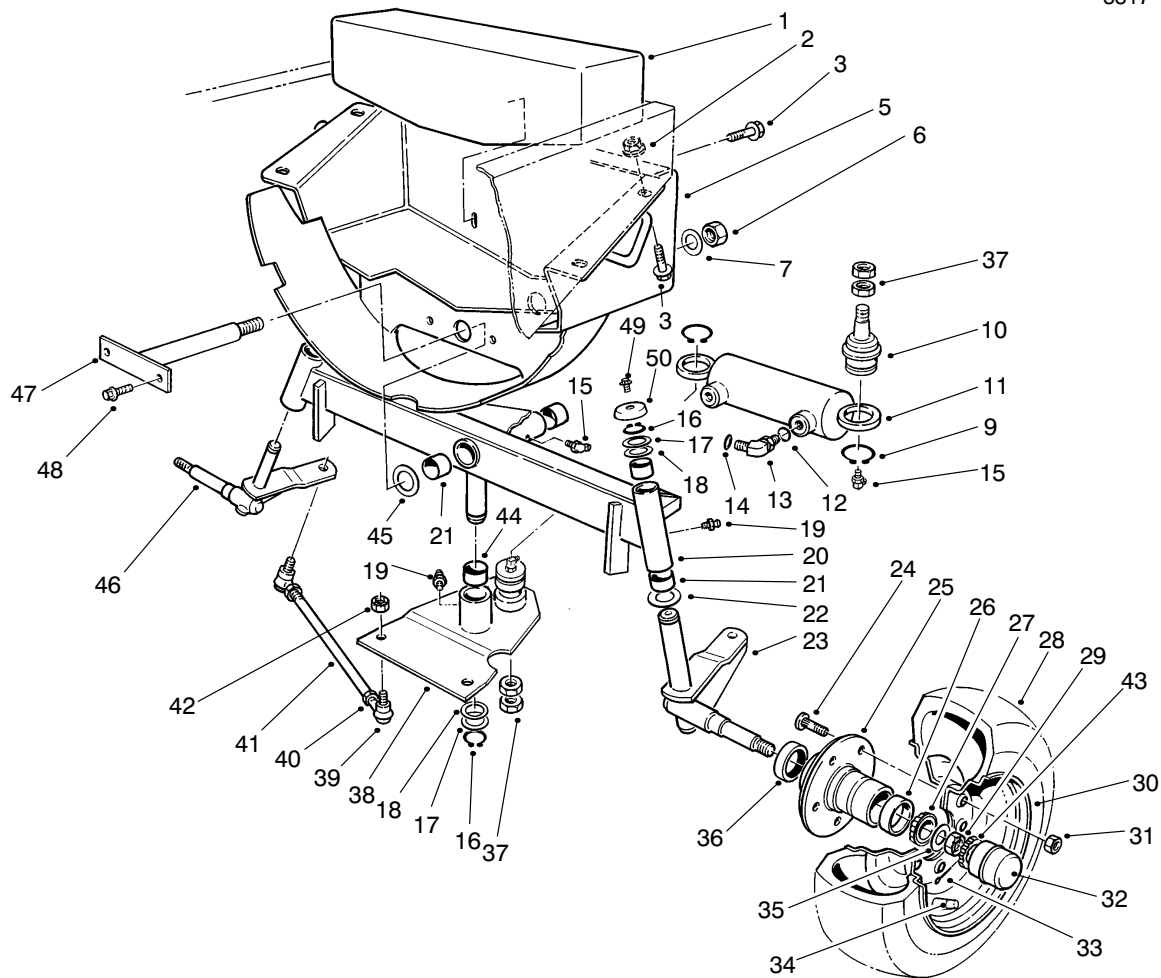
T-2664-1

## 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	21-9450	Dust Shield	2
5	43-6810	Torque-Spider	2
6	21-9390	Socket-Adjusting Screw	2
7	21-9370	Screw-Adjusting	2
8	21-9380	Nut-Pivot	2
9	242-34	Axle Flange Stud	10
10	21-8360	Clip-Retaining	2
11	28-0680	Brake Drum	2
12	94-6935	Nut-Lock	8

Ref. No.	Part No.	Description	No. Used
13	28-0670	Oil Seal	2
14	21-9440	Spring-Adjusting Screw	2
15	21-9460	Retainer-Brake Lever	4
16	84-8600	Asm-Shoe & Lining (Set of 4)	1
17	21-9420	Spring-Shoe Return L.H.	2
18	21-9430	Spring-Shoe Return R.H.	2
19	24-9180	Strut & Lever Parking Brake	2
21	94-6934	Screw-Socket Hd.	8
22	24-8840	Ring-Wheel Bearing	2
23	94-6936	Washer	8
*	92-8775	Gasket Kit-Liquid	2

\*Not Illustrated

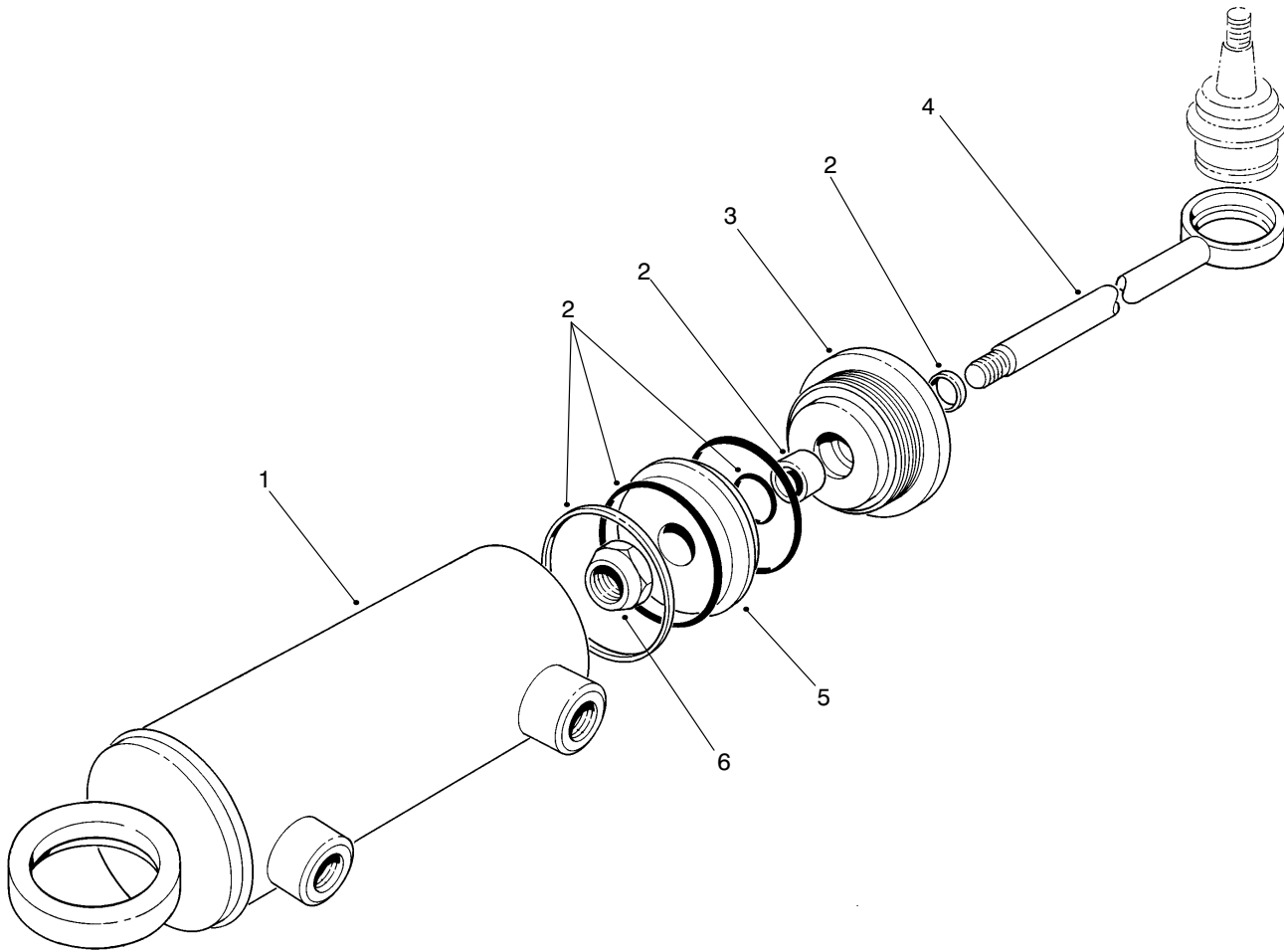


T-1759-1

## REAR WHEEL & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	67-8960	Weight-Axle Rear	1	29	3220-7	Nut-Jam	2
2	32128-23	Nut-Lock, Flange	4	30	217-106	Wheel	2
3	3234-32	Screw-HHF	6	31	242-50	Nut-Wheel	10
5	92-7841	Support-Axle Rear	1	32	241-119	Cap-Dust	2
6	32146-20	Nut-Lock	1	33	3272-13	Pin-Cotter	2
7	71-4540	Washer-Thrust	1	34	232-31	Stem-Valve w/Cap	2
9	32151-104	Ring-Retaining	2	35	93-0309	Washer-Tab	2
10	92-5838	Ball Joint	2	36	253-129	Closure	2
11	92-7828	Cylinder-Hydraulic	1	37	3220-6	Nut-Jam	4
12	237-78	O-Ring	1	38	92-7821	Pivot-Steering (Incl. Ref. #44)	1
13	340-54	Fitting-45°	1	39	21-0140	Asm-Socket R.H. (Incl. Ref. #42)	2
14	237-22	O-Ring	1	*	21-0150	Asm-Socket L.H. (Incl. Ref. #42)	2
15	302-11	Fitting	3	40	3220-5	Nut-Jam R.H. Thread	2
16	32151-36	Ring-Retaining	3	*	3220-12	Nut-Jam L.H. Thread	2
17	5-1226	Washer	A/R	41	21-2000	Rod-Tie	2
18	10-8110	Washer	3	42	3220-3	Nut-Jam	8
19	302-5	Fitting	3	43	93-0307	Retainer-Nut, Lock	2
20	92-7816	Axle-Rear (Incl. Ref. #21)	1	44	256-242	Bushing	2
21	67-1750	Bushing-Axle	6	45	56-2460	Washer	A/R
22	256-121	Bushing-Thrust	2	46	93-3199	Asm-Spindle R.H.	1
23	93-3198	Asm-Spindle L.H.	1	47	92-7843	Pin-Axle Rear	1
24	10-6830	Stud-Drive	10	48	32144-14	Screw-TAP	2
25	21-2820	Hub-Wheel (Incl. Ref. #24 & 26)	2	49	3234-13	Screw	2
26	254-72	Cup-Bearing	4	50	66-2990	Cup-Spindle	2
27	254-94	Cone-Bearing	4				
28	231-105	Tire	2				

\*Not Illustrated

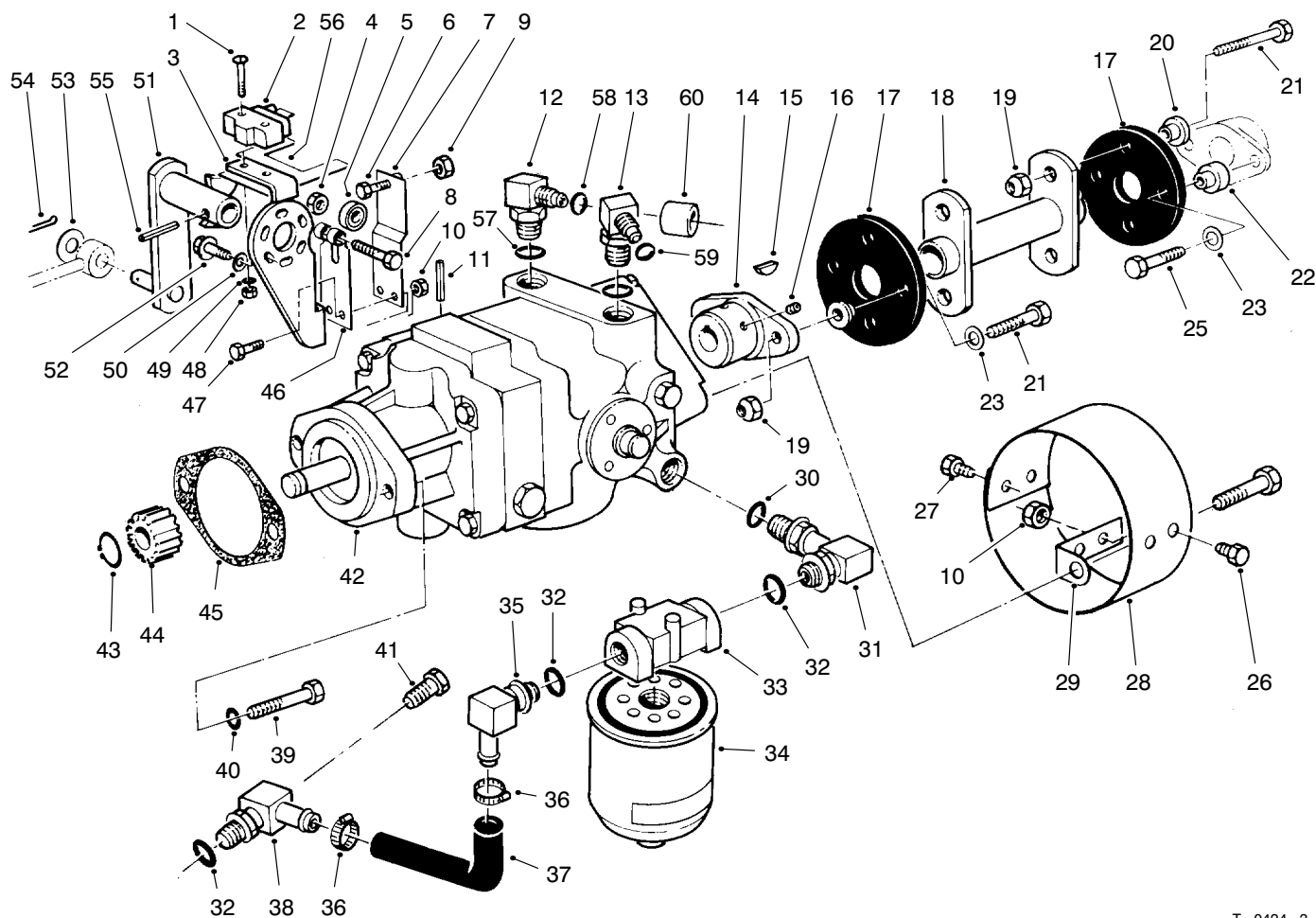


T-1761-2

## HYDRAULIC STEERING CYLINDER NO. 92-7828

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

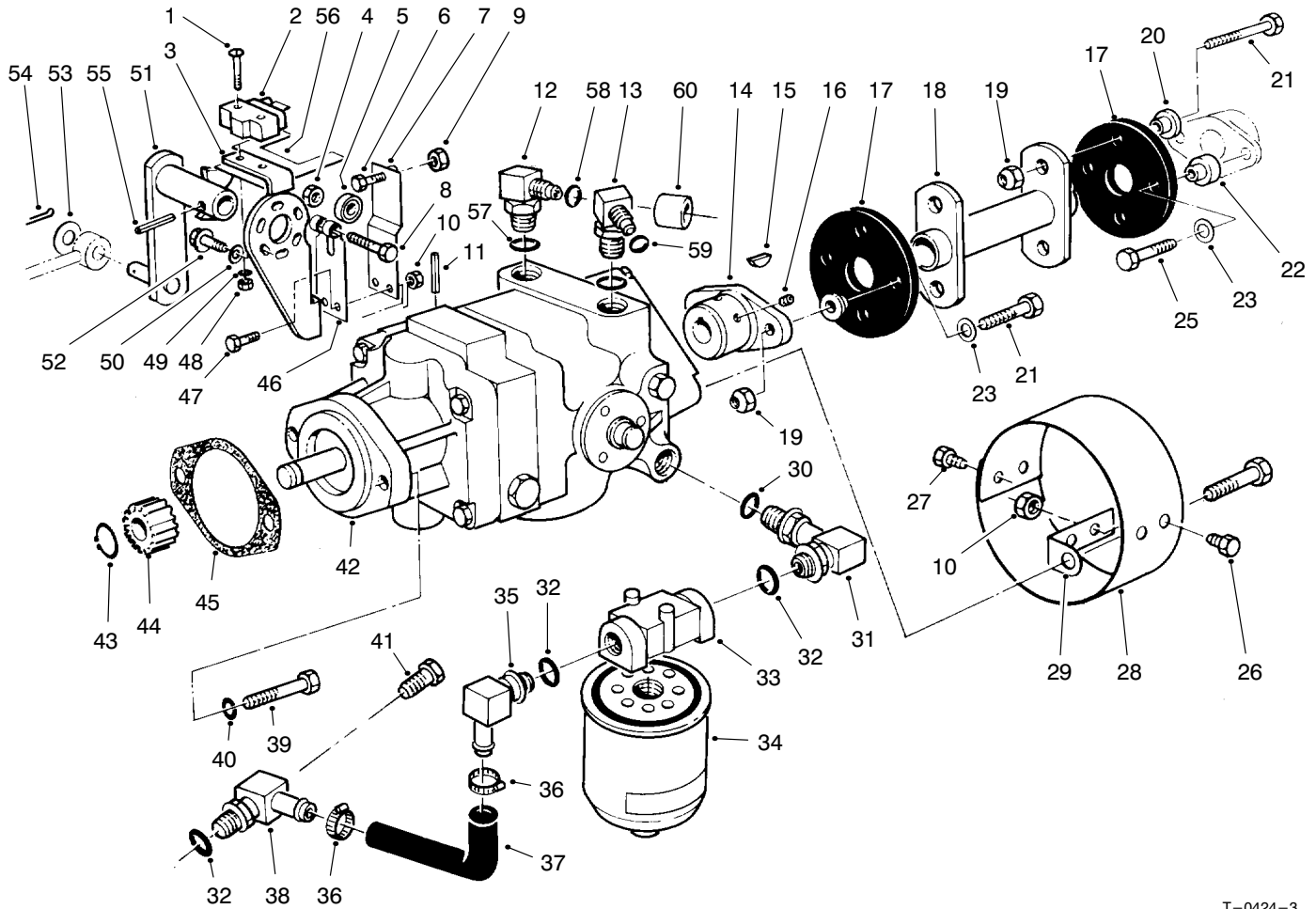
Ref. No.	Part No.	Description	No. Used
5	66-1940	Piston	1
6	66-1930	Nut- Lock	1
*	92-7828	Cylinder- Hydraulic (Incl. Ref. #1-6)	1



T-0424-3

## HYDROSTATIC TRANSMISSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3249-11	Screw-Round Hd. Mach.	2	28	54-9300	Cover	1
2	29-6163	Micro Switch	1	29	54-9290	Bracket	2
3	29-6120	Pump Plate	1	30	237-80	O-Ring	1
4	3296-29	Nut-Lock	1	31	68-8660	Elbow	1
5	251-259	Ball Bearing	1	32	237-81	O-Ring	3
6	3210-7	Screw-HH	1	33	68-8990	Head-Filter	1
7	29-6170	Extended Leaf Spring	1	34	23-9740	Oil Filter	1
8	322-17	Screw-HH	1	35	353-987	Elbow	1
9	3219-2	Nut-Hex	1	36	2412-34	Clamp-Hose	2
10	3296-42	Nut-Lock	6	37	68-9650	Hose-Axle	1
11	32121-6	Roll Pin	1	38	70-2620	Elbow-90°	1
12	340-77	Elbow	1	39	323-7	Screw-HH	2
13	340-99	Elbow	1	40	3253-21	Washer-Lock	2
14	33-4380	Pump Hub	1	41	353-508	Plug-Drain	1
15	3257-32	Woodruff Key	1	42	92-8947	Transmission-Inline	1
16	3241-5	Square Hd. Set Screw	2	43	32120-72	Ring-Retaining External	1
17	44-2230	Rubber Coupling	2	44	86-7220	Gear-Transmission Output	1
18	46-6390	Drive Coupling	1	45	41-8760	Gasket-Transmission	1
19	32152-1	Nut-Lock	8	46	29-6150	Leaf Spring	1
20	27-6600	Spacer Rubber Coupling	6	47	321-6	Screw-HH	2
21	322-6	Screw-HH	6	48	3217-16	Nut	2
22	27-6590	Spacer Rubber Coupling	2	49	3254-9	Washer-Lock	2
23	3256-3	Washer-Flat	4	50	3255-7	Washer-Lock	3
25	322-8	Screw-HH	2	51	28-9570	Pump Lever	1
26	321-2	Screw-HH	2	52	11-9760	Screw-TAP	3
27	321-4	Screw-HH	2	53	3256-6	Washer-Flat	1



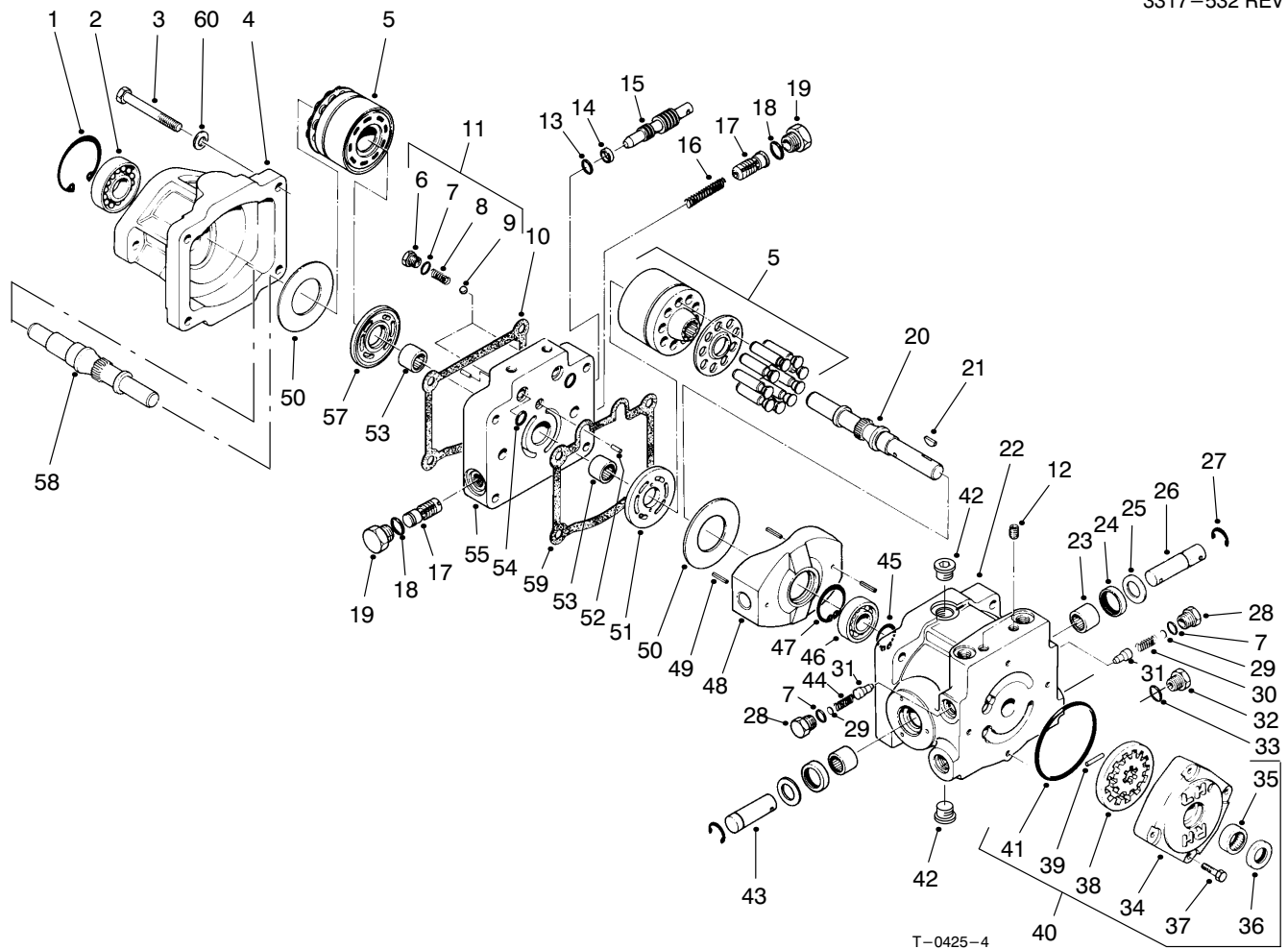
T-0424-3

## 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
58	237-22	O-Ring	1

Ref. No.	Part No.	Description	No. Used
59	237-30	O-Ring	1
60	38-3400	Guard-Rubber	1
*	95-3093	Kit-400 Hour Filter (Incl. Ref. #34)	1

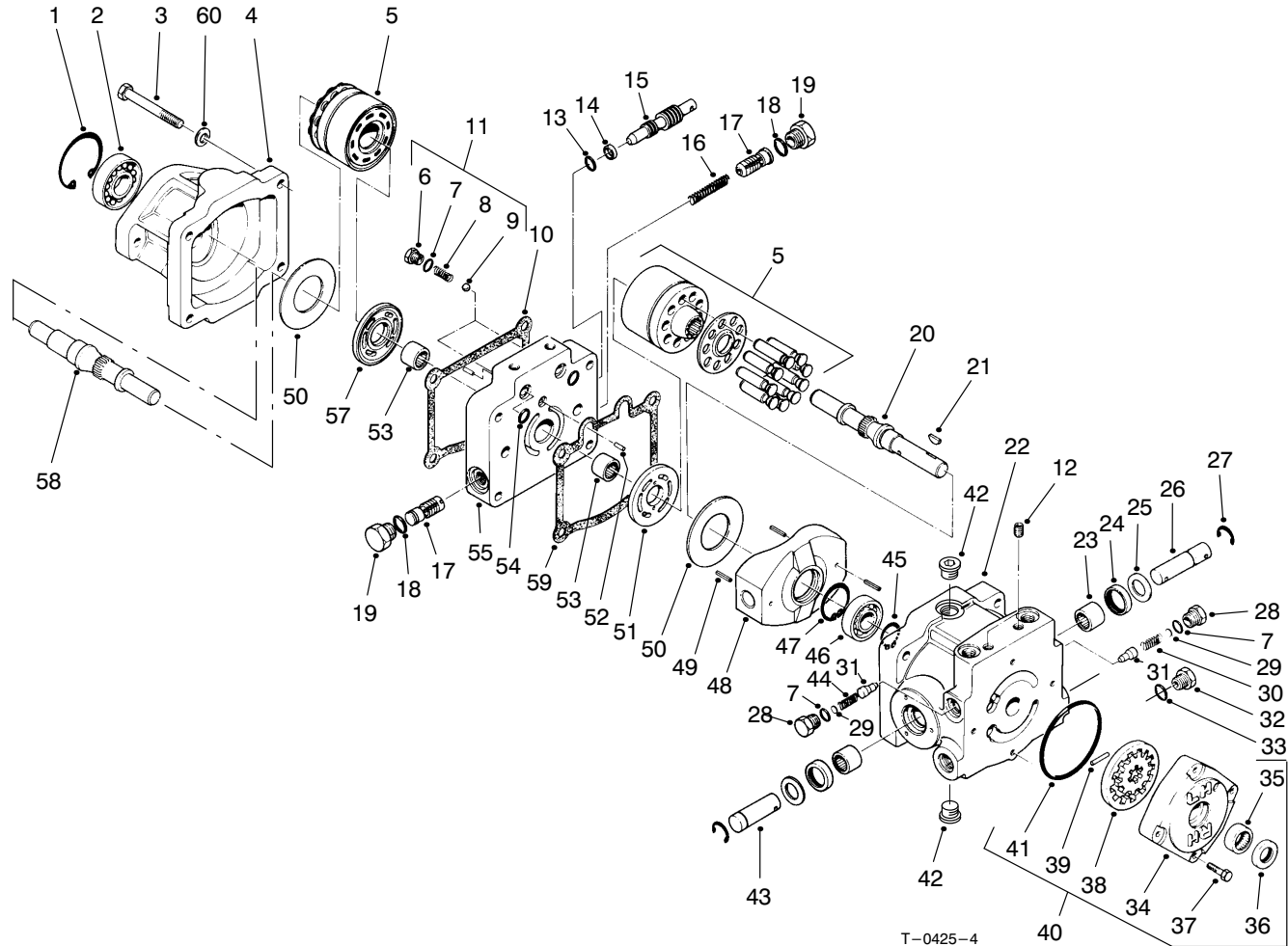
\* Not Illustrated



## TRANSMISSION ASSEMBLY NO. 92-8947

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1	27	32151-46	Retaining Ring	2
2	72-3750	Roller Bearing	1	28	25-2460	Plug-HH	2
3	323-56	Screw-HH	4	29	25-2470	Shim Pack	2
4	67-9080	Motor Housing	1	30	25-2570	Valve Spring	1
5	48-1800	Kit-Cylinder Block	2	31	83-7260	Relief Valve Cone	2
6	25-2650	Check Valve Plug	2	32	353-551	Plug-HH	1
7	237-86	O-Ring	4	33	237-80	O-Ring	1
8	25-2640	Valve Spring	2	34	25-2550	Charge Pump Housing	1
9	25-2490	Ball	2	35	67-8050	Needle Bearing	1
10	67-9100	Gasket	1	36	93-4133	Lip Seal	1
12	285-17	Pipe Plug	2	37	322-4	Screw-HH	4
13	237-22	O-Ring	1	38	25-2680	Asm-Gerotor	1
14	25-2630	Back Up Ring	1	39	25-2530	Headless Straight Pin	1
15	88-8220	By Pass Valve	1	40	25-3190	Charge Pump (Incl. Ref. #34-39 & 41)	1
16	25-2610	Accel. Valve Spring	1	41	237-95	O-Ring	1
17	25-2410	Asm-Accel. Valve	2	42	67-9090	Plug	2
18	76-1900	O-Ring	2	43	25-2500	Trunnion Shaft	1
19	353-550	Plug-Hex. Hd.	2	44	25-2480	Valve Spring	1
20	67-8020	Pump Shaft	1	45	32120-15	Retaining Ring	1
21	3257-32	Woodruff Key	1	46	251-8	Ball Bearing	1
22	54-7890	Pump Housing (Incl. Ref. #12 & 23-25)	1	47	32120-11	Retaining Ring	1
23	252-82	Needle Bearing	2	48	25-2450	Variable Swashplate	1
24	25-3210	Lip Seal	2	49	32121-91	Coil Spring Pin	3
25	25-2510	Washer-Flat	2	50	25-2380	Thrust Plate	2
26	25-2580	Trunnion Shaft	1	51	25-2440	Pump Valve Plate	1

3317-532 REV E

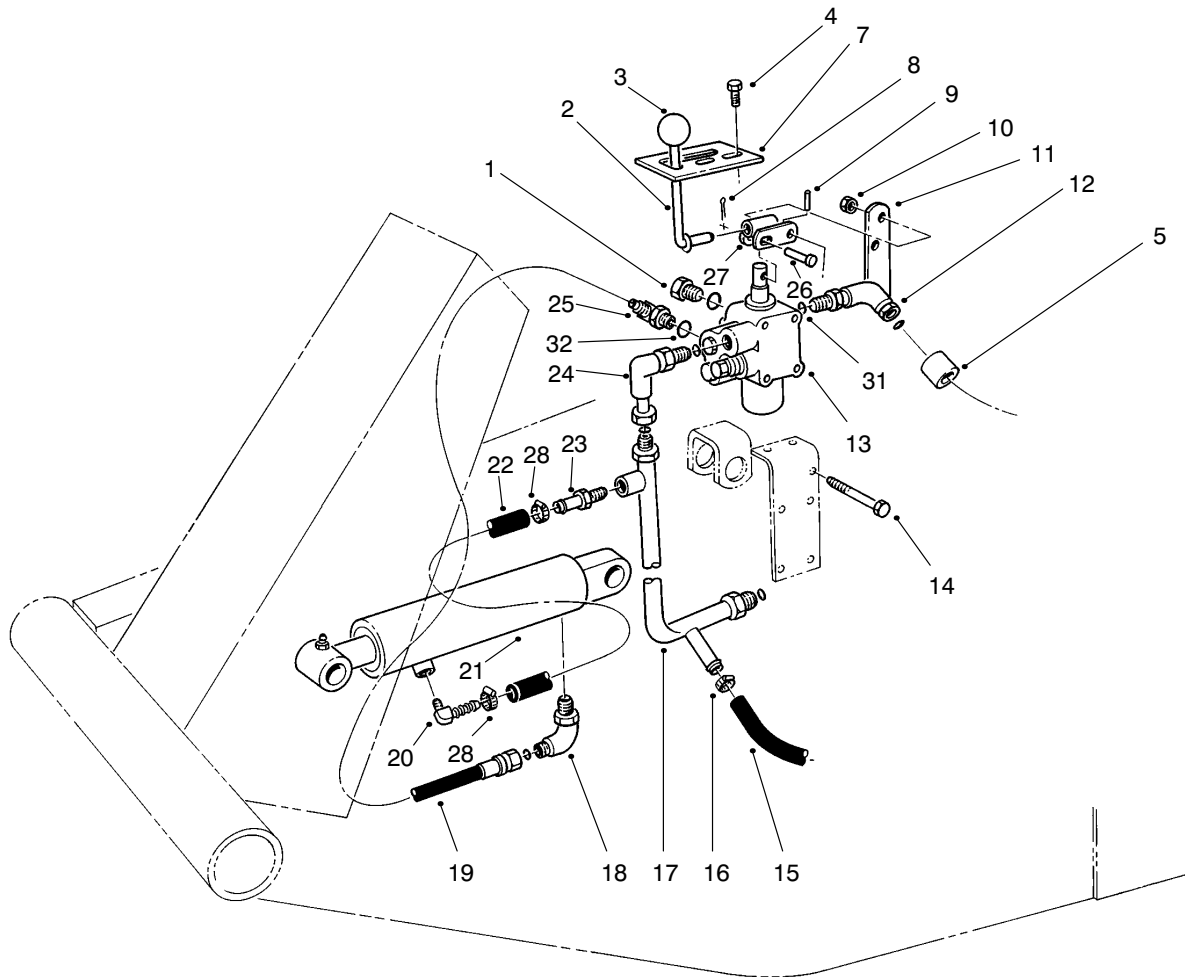


## TRANSMISSION ASSEMBLY NO. 92-8947 (Continued)

Ref. No.	Part No.	Description	No. Used
52	25-2430	Dowel Pin	2
53	46-8400	Needle Bearing	2
54	93-4132	O-Ring	2
55	92-8918	Center Section	1
57	25-2390	Motor Valve Plate	1
58	46-8410	Motor Shaft	1
59	25-2400	Gasket	1

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



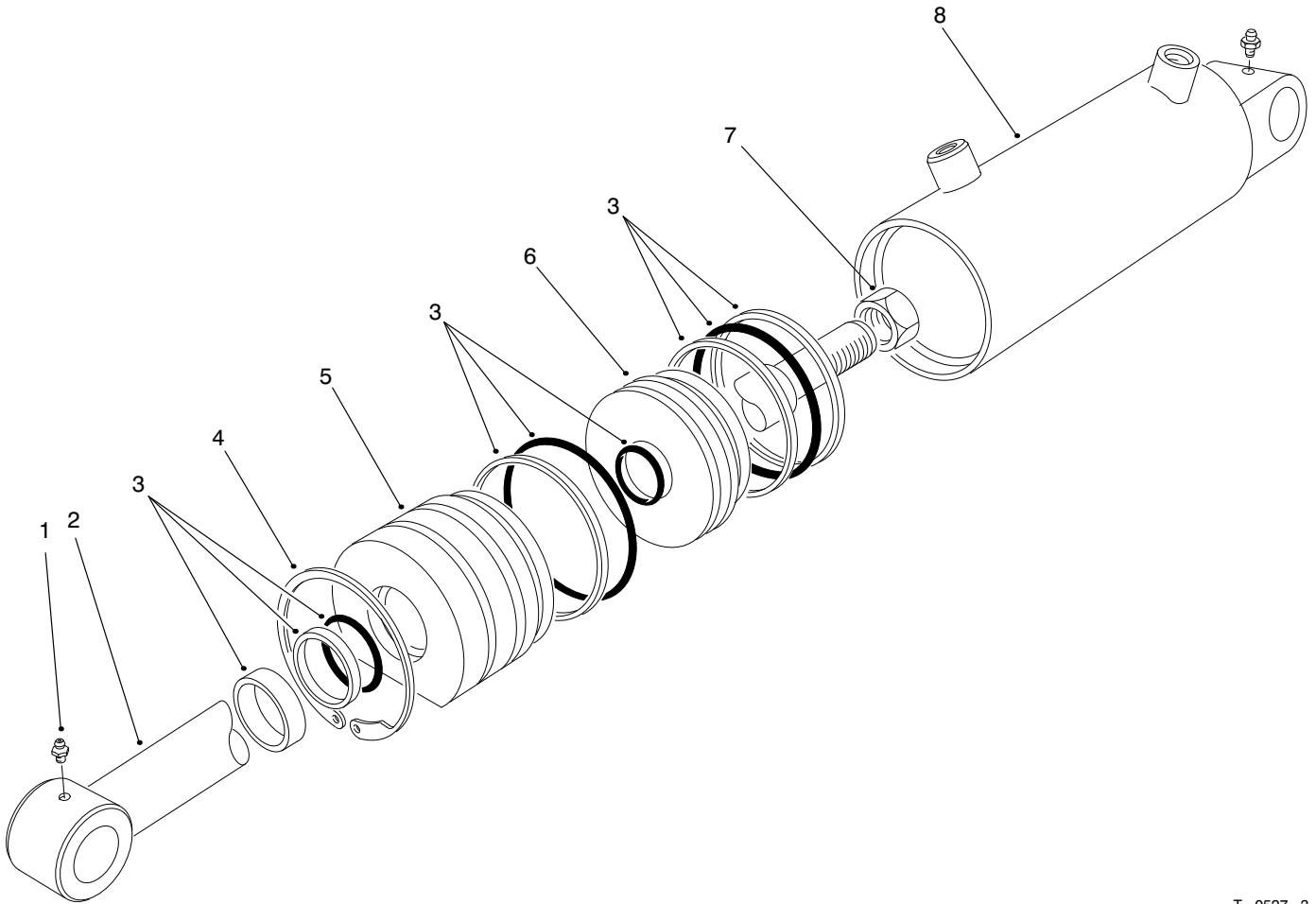


T-0426-5

## VALVE & CYLINDER ASSEMBLY

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

\*Not Illustrated



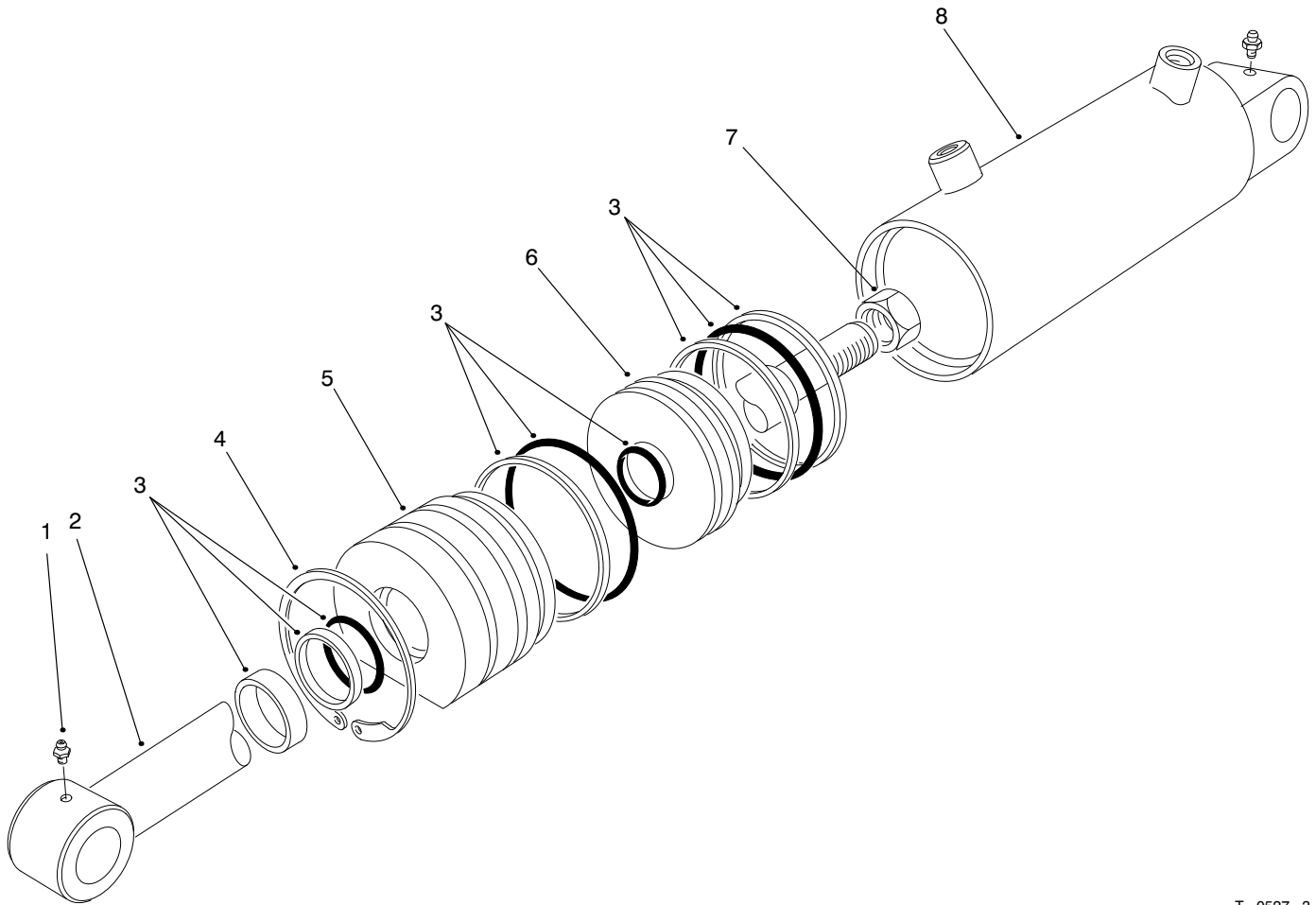
T-0527-3

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

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

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.



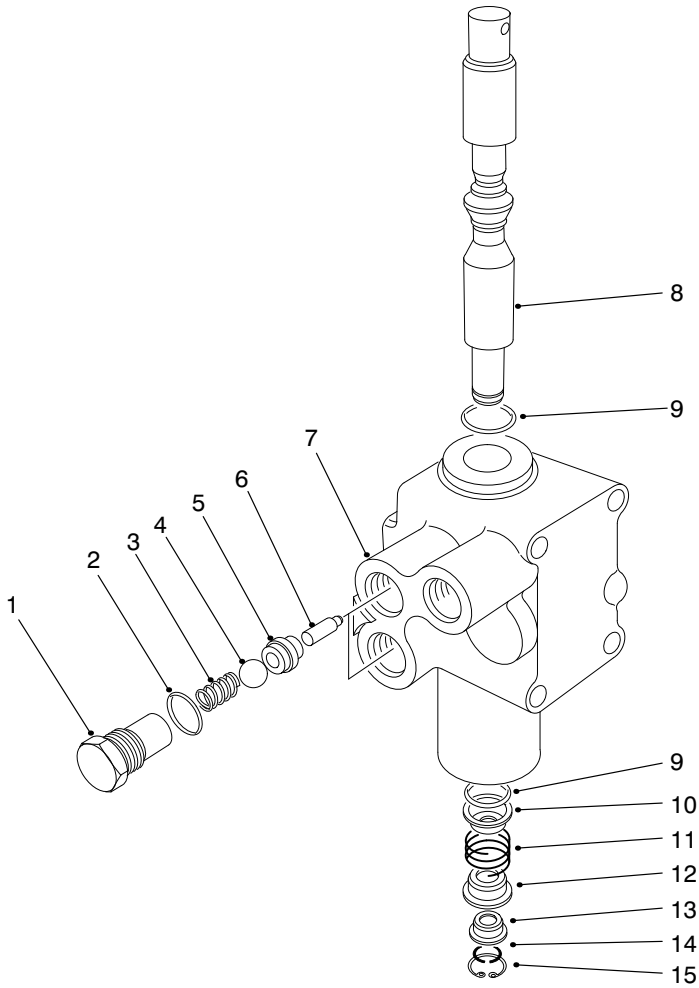
T-0527-3

## 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.

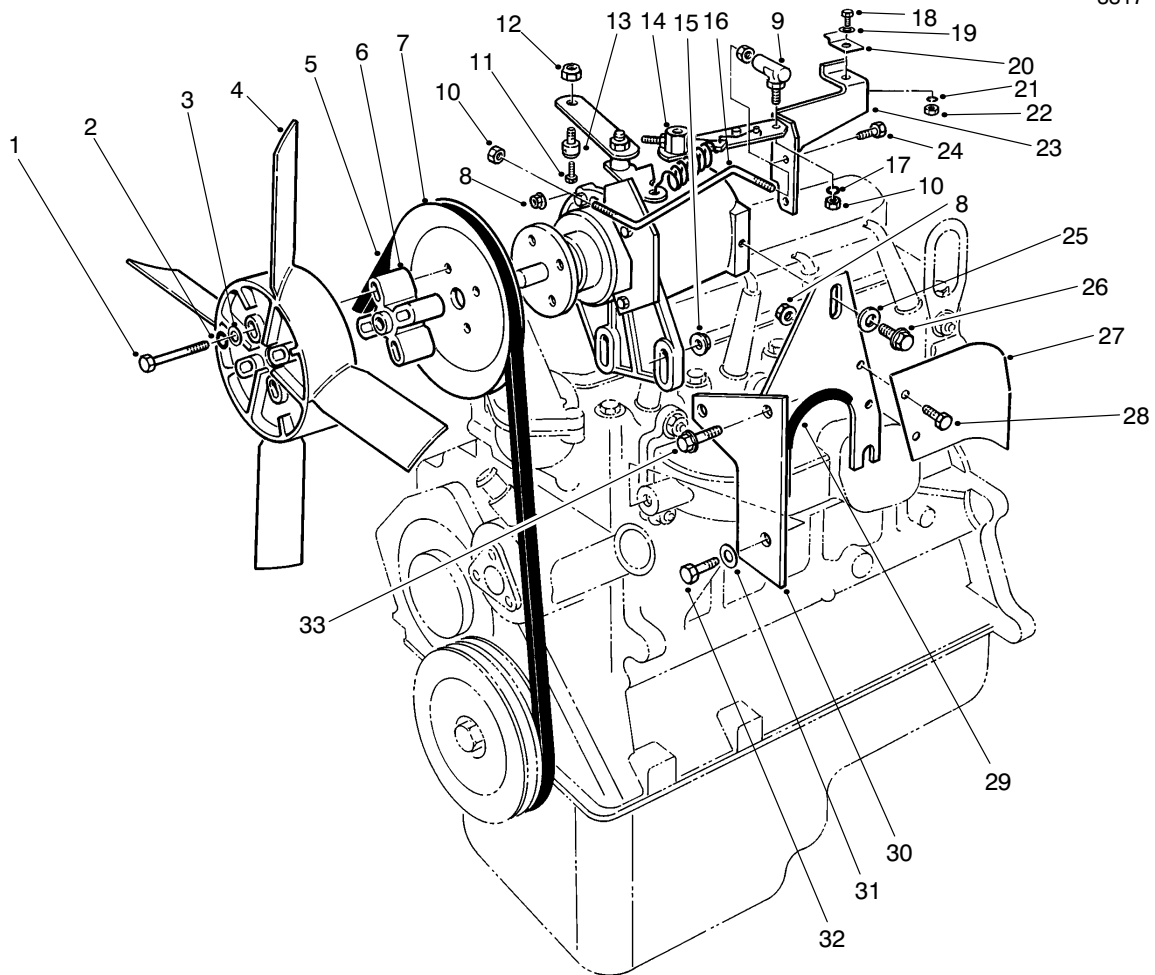


T-0428-1

## CONTROL VALVE ASSEMBLY NO. 43-1710

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

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



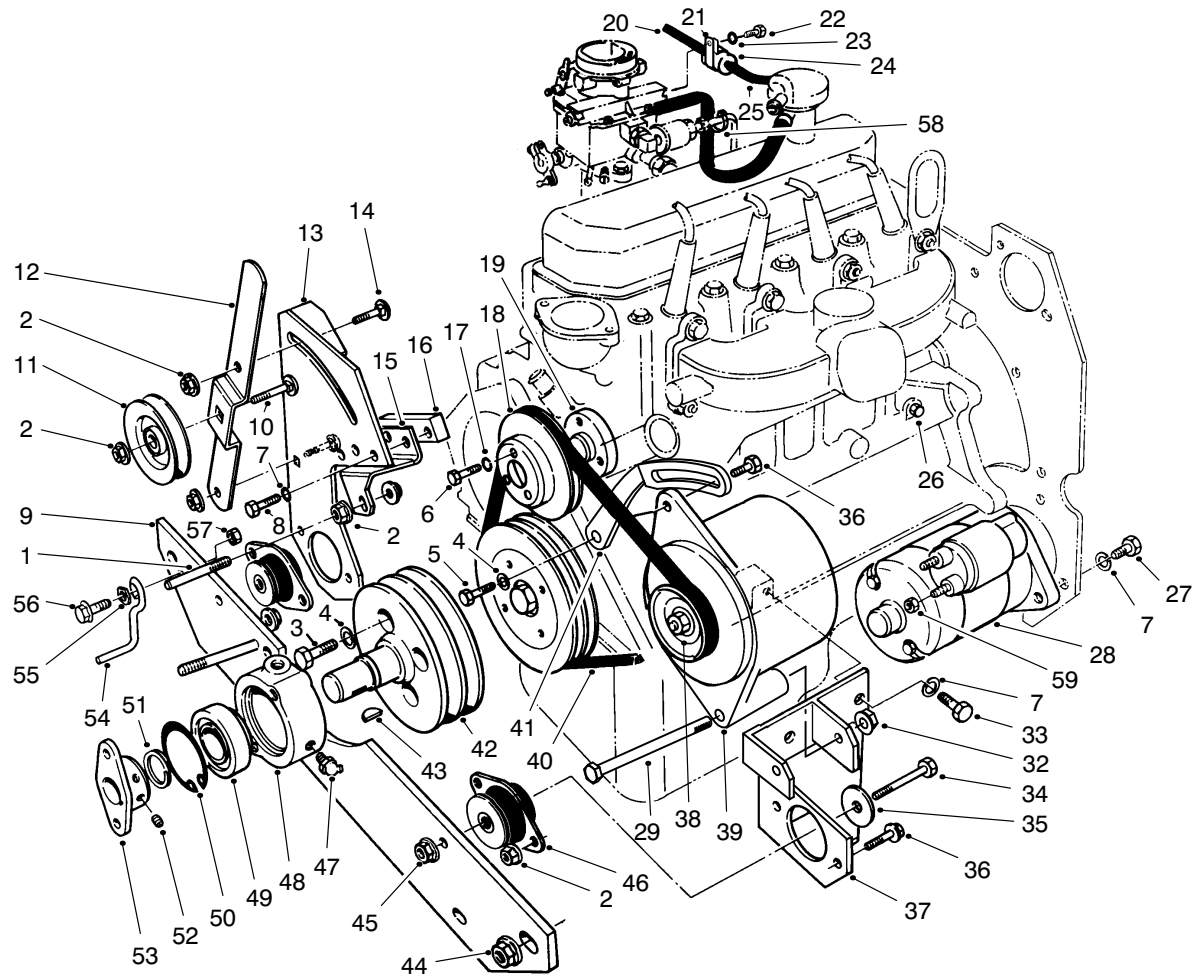
T-0921-1

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-12	Screw-HH	4	18	321-4	Screw-HH	1
2	3253-4	Washer-Lock	4	19	3256-22	Washer-Flat	1
3	3256-2	Washer-Flat	4	20	2412-31	Clamp-Cable	1
†4	E7JL-8600-AA	Fan	1	21	3253-3	Washer-Lock	1
5	67-8510	Belt-Fan	1	22	3217-5	Nut	1
6	67-8390	Spacer-Fan	1	23	67-8240	Bracket-Throttle	1
7	67-8380	Pulley-Fan	1	24	321-6	Screw-HH	2
8	32128-33	Nut-HHF	4	25	3256-56	Washer-Flat	1
9	21-5640	Joint-Ball	1	26	3234-5	Screw-HHF	1
10	3219-14	Nut-Hex	3	27	67-8920	Shield-Heat	1
11	25-8640	Screw-Machine	1	28	321-39	Screw-HH	2
12	3296-20	Nut-Lock	1	29	70-2040	Guard-Trim	1
13	43-3780	Swivel-Cable Throttle	1	30	67-9150	Support-Governor	1
14	67-8360	Governor	1	31	48-8030	Washer-Flat	1
15	3290-357	Nut-Lock, Flange	2	32	66-3160	Screw-HH	1
16	67-8250	Rod-Throttle	1	33	3234-11	Screw-HHF	2
17	3253-12	Washer-Lock	1				

\*Not Illustrated

†Obtain from your local Ford Power Products Dealer.

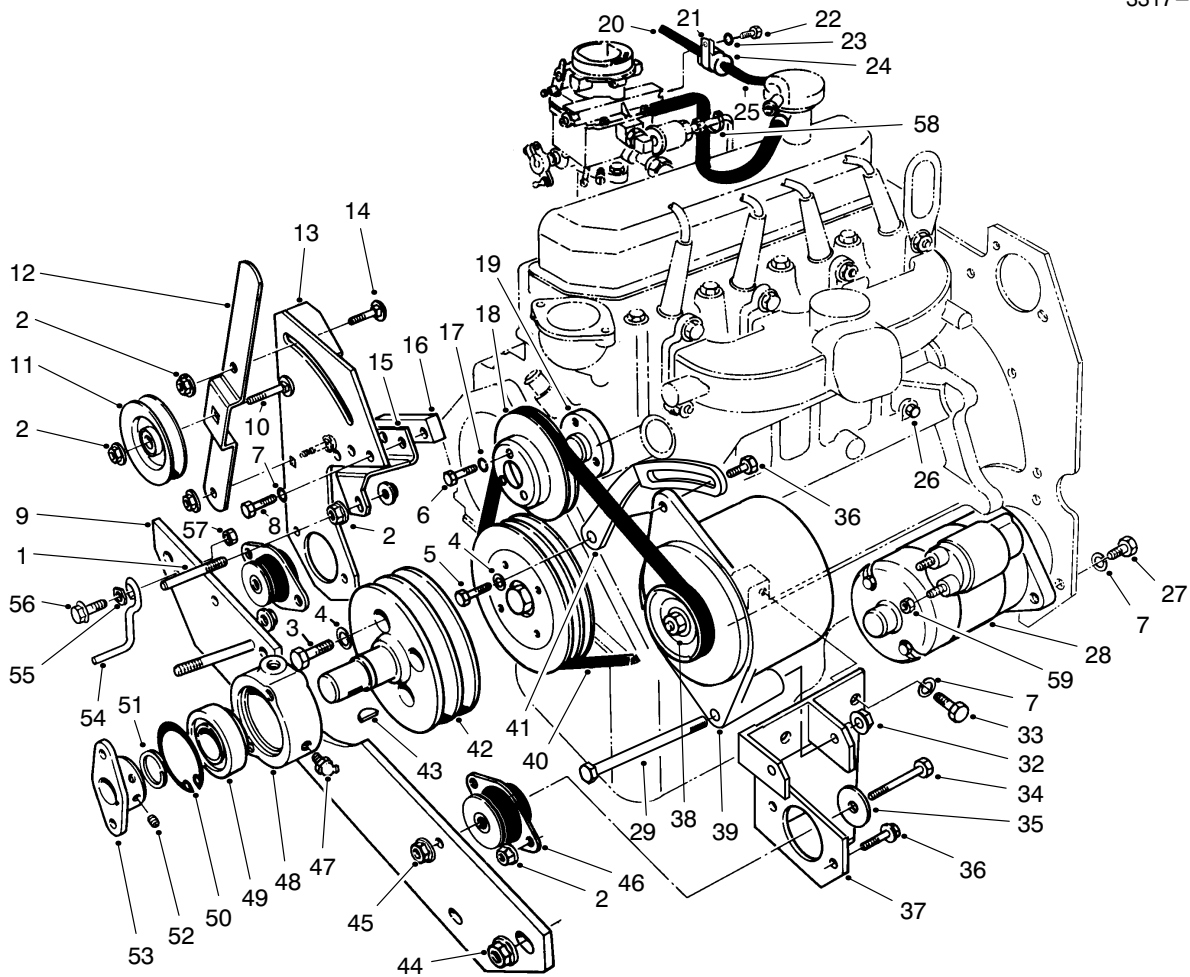


T-0922-1

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-1820	Stud-Retainer Belt	3	25	70-1910	Hose-Vac. Advance	1
2	3290-357	Nut-Lock, Flange	12	†26	353055-S7	Plug-Water Drain	1
3	42-9500	Screw-Metric	4	27	48-9470	Screw-Metric	3
4	42-9850	Washer-Lock	5	†28	91AB-11000-JB	Starter	1
5	48-7730	Screw-Metric	1	29	3212-17	Screw-HH	1
6	43-2600	Screw-Metric	3	32	32128-48	Nut-Hex Flange	1
7	48-9590	Washer-Lock	8	33	48-7780	Screw-Metric	2
8	48-7800	Screw-Metric	3	34	324-11	Screw-HH	2
9	75-9900	Support-Engine Front	1	35	53-9480	Washer-Snubber	2
10	3231-28	Bolt-Carriage	1	36	3234-11	Screw-Flange Lock	5
11	63-8140	Pulley-Idler	1	37	93-7663	Mount-Engine Front L.H.	1
12	67-8890	Arm-Idler	1	38	D3JL-10A352-B	Pulley-Alternator	1
13	67-8310	Mount-Engine Front R.H.	1	39	EZJL-10346-AA	Alternator	1
14	3231-22	Bolt-Carriage	2	40	92-9785	Belt-Alternator	1
15	67-8350	Bracket-Guide Belt	1	41	93-8489	Arm Adjust Alternator	1
16	67-8340	Bar-Spacer	1	42	67-8460	Pulley-Engine	1
17	43-5930	Washer-Lock	3	43	3257-33	Key-Woodruff	1
†18		Pulley-Water Pump	1	44	32128-23	Nut-Lock, Flange	2
19	67-8910	Spacer-Pulley	1	45	32128-37	Nut-Lock, Flange	2
20	70-1920	Hose-Vacuum	1	46	53-9680	Mount-Engine	2
†21	384007-5	Clamp-Valve	1	47	302-10	Fitting-Grease	1
22	3250-29	Screw-PH	1	48	43-3720	Collar Bearing	1
23	3256-21	Washer-Flat	1	49	251-252	Bearing	1
†24	D4FZ-9C369-A	Fuel Separator	1	50	32120-22	Ring-Retaining Int.	1

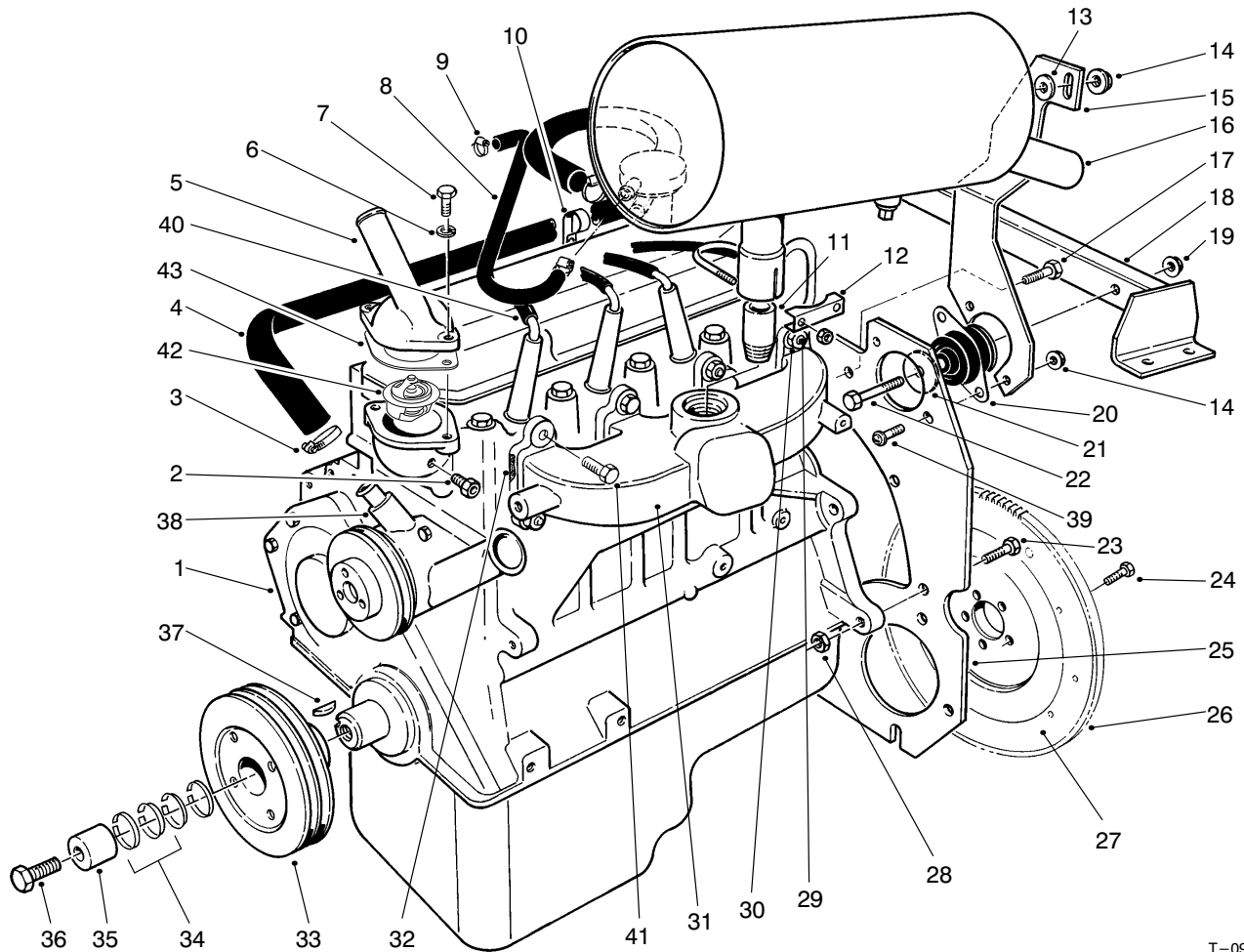
†Obtain from your local Ford Power Products Dealer.



T-0922-1

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
51	32120-69	Ring-Retaining Ext.	1	56	3234-18	Screw-HHF	1
52	3241-5	Screw-Sq. Hd. Set	2	57	32153-2	Nut-Lock	1
53	27-1960	Hub-Engine	1	58	3290-379	Cable-Tie	A/R
54	63-1400	Rod-Belt	1	59	48-7890	Nut	1
55	3290-224	Washer-Pyramidal	1				



T-0923-2

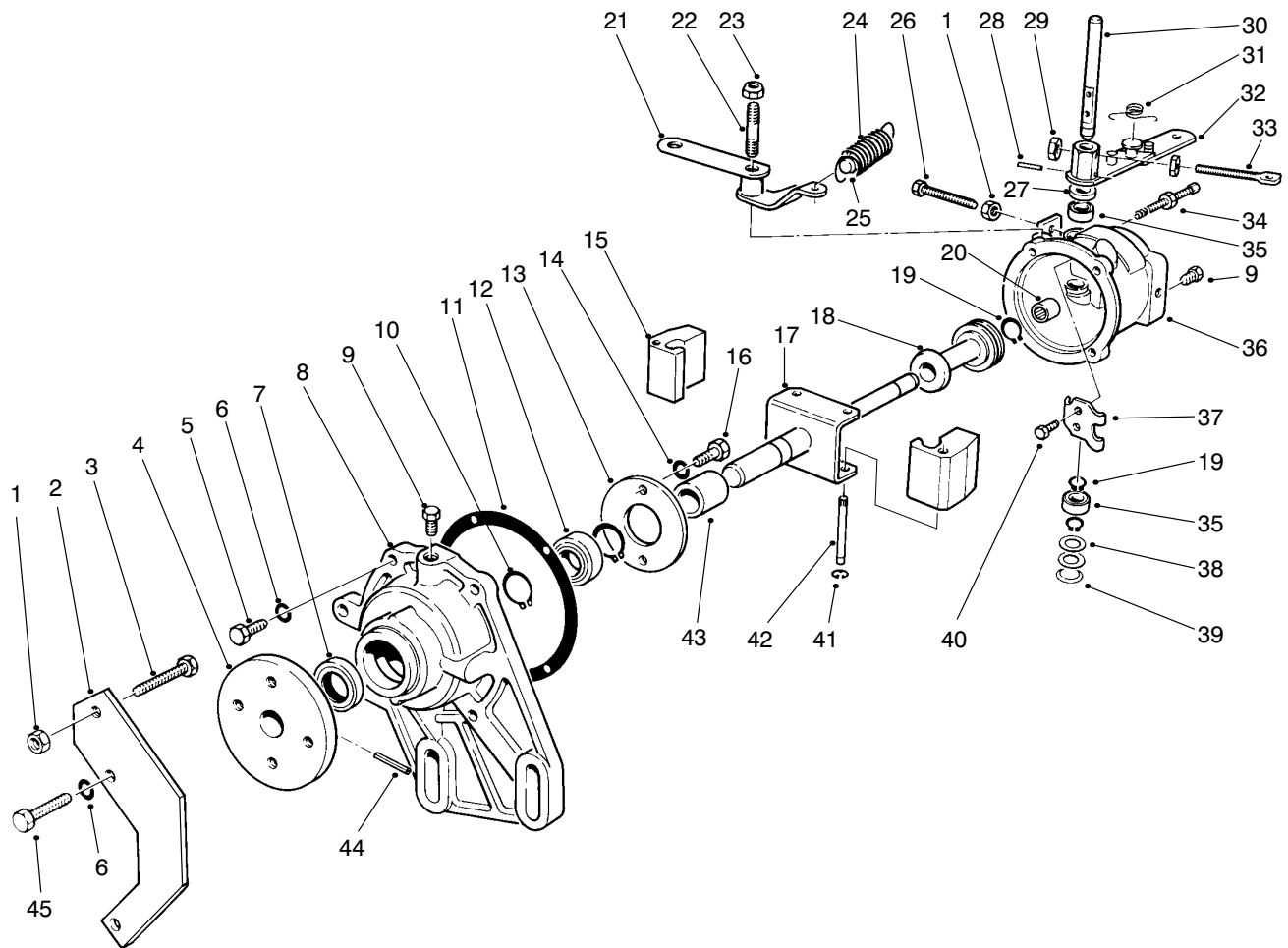
## ENGINE ASSEMBLY

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
22	324-11	Screw - HH	2

Ref. No.	Part No.	Description	No. Used
†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	Asm - Flywheel (Incl. Ref. #26)	1
†28	N620482-S2	Nut	4
†29	E805697-S76	Stud	6
†30	N620481-S2	Nut	6
†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-CA	Kit - Water Pump (Incl. Pulley & Gasket)	1
39	3234-11	Screw - HHF	4
40	86-7921	Cover - Spark Plug Wire	4
41	48-7730	Screw - HH	2
†42	D4PZ-8575-A	Thermostat	1
†43	D1FZ-8255-B	Gasket	1

†Obtain from your local Ford Power Products Dealer.  
‡Note: Includes all Ford part numbers from all pages.

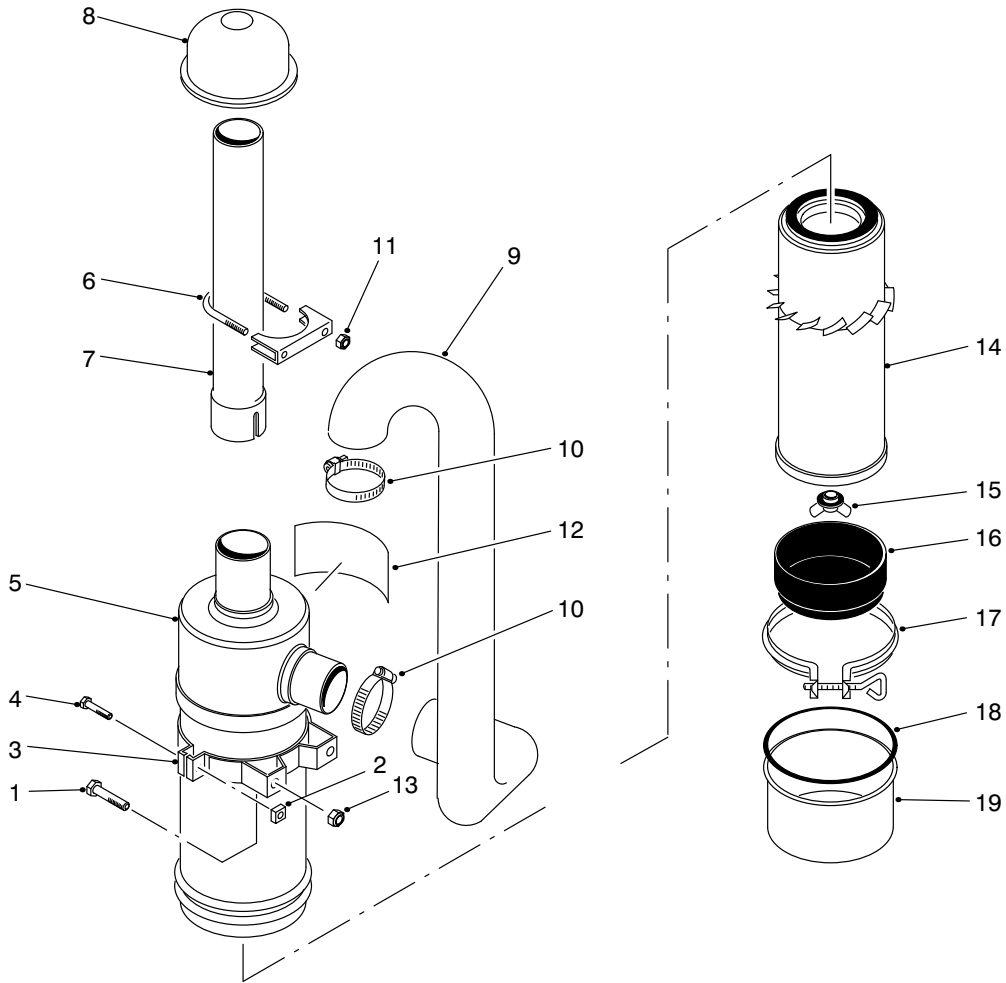




T-0933-1

## GOVERNOR ASSEMBLY NO. 67-8360

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-1	Nut	2	24	72-5860	Spring-Governor	1
2	70-2160	Bracket-Speed Stop	1	25	72-5850	Pin-Force Idle	1
3	72-5920	Screw	1	26	72-5930	Screw	1
4	67-8370	Hub	1	27	71-4780	Seal-Oil Rocker Shaft	1
5	18-5620	Screw	2	28	18-5750	Pin	1
6	18-5630	Washer-Lock	4	29	3219-2	Nut	2
7	18-5580	Seal-Oil Front	1	30	72-5890	Shaft-Rocker	1
8	70-2060	Cover-Governor	1	31	18-5410	Spring-Torsion	1
9	285-17	Plug-Pipe	2	32	72-5880	Asm-Throttle Lever (Incl. Ref. #31)	1
10	18-5640	Ring-Retaining	2	33	72-5870	Eyebolt	1
11	18-5790	Gasket	1	34	72-5910	Asm-Bumper Screw	1
12	70-2140	Bearing-Front	1	35	18-5450	Bearing	2
13	70-2130	Clamp-Bearing to Cover	1	36	70-2080	Body	1
14	18-5770	Washer-Lock	2	37	18-5520	Lever-Rocker	1
15	70-2150	Flyweight	2	38	18-5440	Spacer	2
16	329-3	Screw-HH	2	39	18-5430	Plug-Expansion	1
17	70-2110	Main Shaft & Yoke	1	40	18-5530	Screw & Lockwasher	2
18	70-2100	Asm-Sleeve & Bearing	1	41	18-5670	Retainer-Pin Pivot	2
19	18-5540	Ring-Retaining	3	42	18-5660	Pin-Pivot Flyweight	2
20	72-5940	Bearing-Needle	1	43	70-2120	Spacer	1
21	70-2070	Lever-Speed Adjusting	1	44	32121-51	Pin-Hub To Shaft	1
22	70-2090	Stud-Pivot Lever	1	45	71-4770	Screw	2
23	3296-5	Nut-Lock	1				
24	72-5860	Spring-Governor	1				



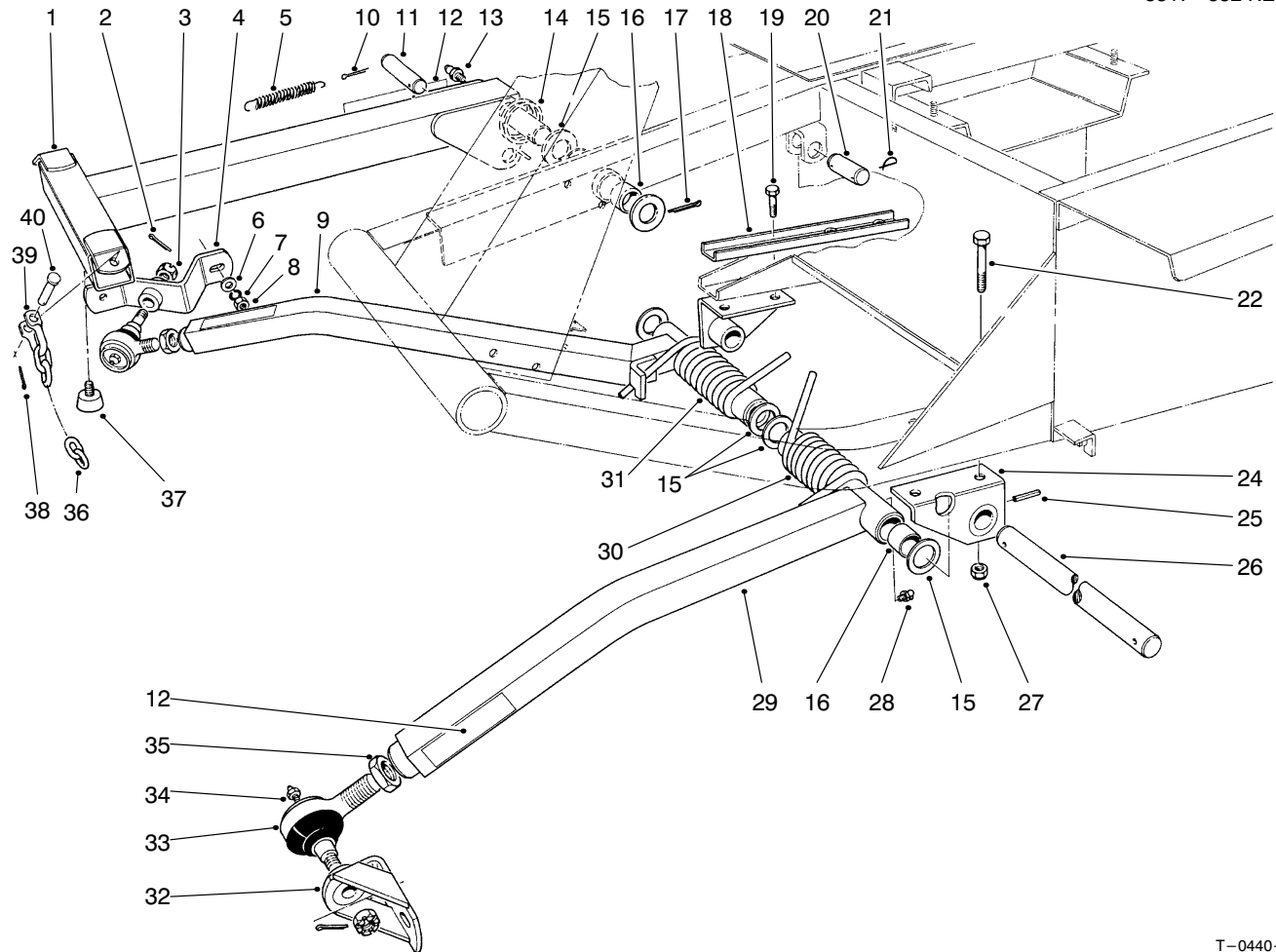
T-0934-1

## AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-3	Screw-HH	4
2	32107-11	Nut	2
3	27-7170	Asm-Band (Incl. Ref. #2 & 4)	2
4	3258-19	Round Hd. Machine Screw	2
5	27-7100	Asm-Air Cleaner (Incl. Ref. #12, 14-19)	1
6	20-4840	Muffler Clamp (Incl. Ref. #11)	1
7	43-3810	Tube Air Cleaner	1
8	27-7180	Asm-Cap, Air Inlet	1
9	82-5590	Hose-Air Cleaner	1

Ref. No.	Part No.	Description	No. Used
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	Asm-Element	1
15	27-7120	Asm-Nut & Gasket	1
16	27-7140	Skirt-Baffle	1
17	27-7130	Asm-Clamp	1
18	80-3330	Gasket	1
19	27-7150	Asm-Cup	1
*	95-3093	Kit-400 Hour Filter (Incl. Ref. #14)	1

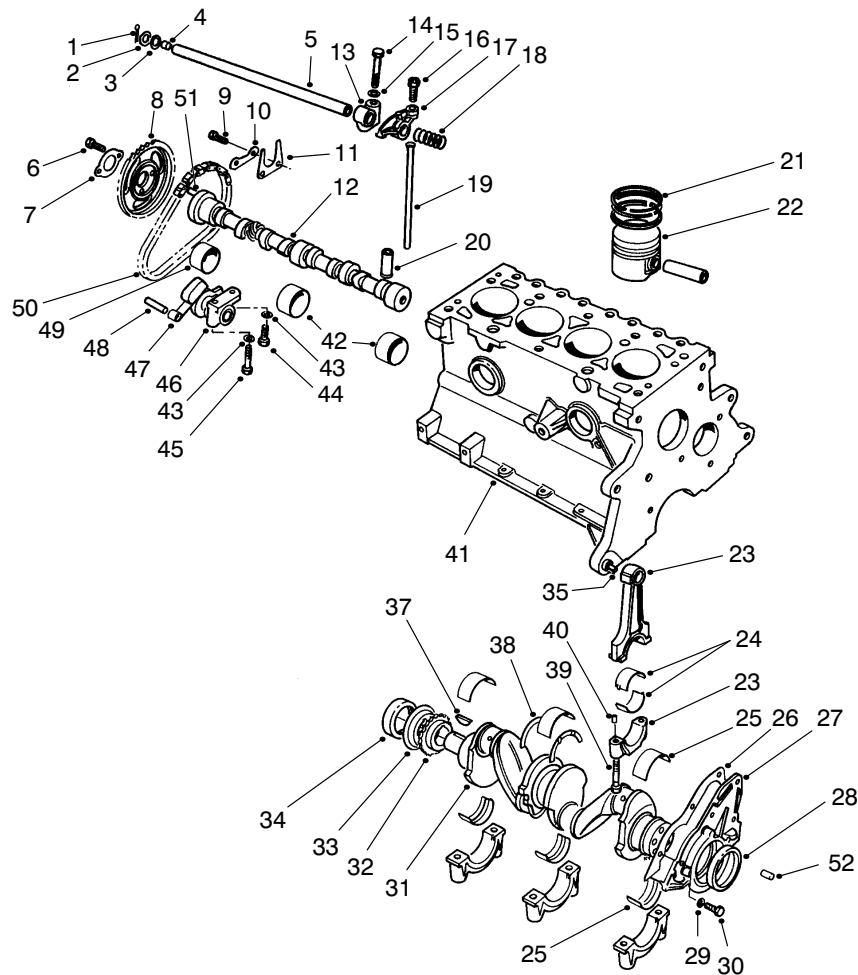
\*Not Illustrated



T-0440-5

## PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-6370	Lift Arm	1	21	5-3126	Spring Pin	3
2	3272-11	Cotter Pin	2	22	324-11	Screw-HH	2
3	32136-2	Nut	2	24	21-2860	Push Arm Bracket	2
4	21-3020	Ball Joint Mount Rd. Hd.	1	25	32121-84	Roll Pin	2
5	21-1830	Spring Tension	1	26	21-2990	Shaft Pivot	1
6	3256-25	Washer-Flat	1	27	32128-42	Nut-Flange	4
7	3253-6	Washer-Lock	2	28	302-33	Grease Fitting	2
8	3217-8	Full Nut	2	29	21-2960	Push Arm LH (Incl. Ref. #16 & 28)	1
9	66-7150	Push Arm RH (Incl. Ref. #16 & 28)	1	30	21-2900	Spring-Torsion LH	1
10	3272-24	Cotter Pin	1	31	21-2890	Spring-Torsion RH	1
11	24-9510	Pin	1	32	21-3050	Ball Joint Mount LH	1
12	55-4300	Warning Decal	3	33	86-8100	Asm-Ball Joint	2
13	302-5	Grease Fitting	1	34	302-5	Grease Fitting	2
14	46-8840	Spring Lift Arm	1	35	21-3000	Jam Nut	2
15	5-1754	Washer	6	36	3-1365	Chain-Lift	3
16	256-126	Bushing	6	37	67-9800	Bumper	3
17	3272-33	Cotter Pin	1	38	3272-10	Cotter Pin	6
18	23-1950	Support Reinforcement	1	39	5-2942	Shackle	1
19	324-4	Capscrew	2	40	283-10	Pin	1
20	3-7292	Pin	1				



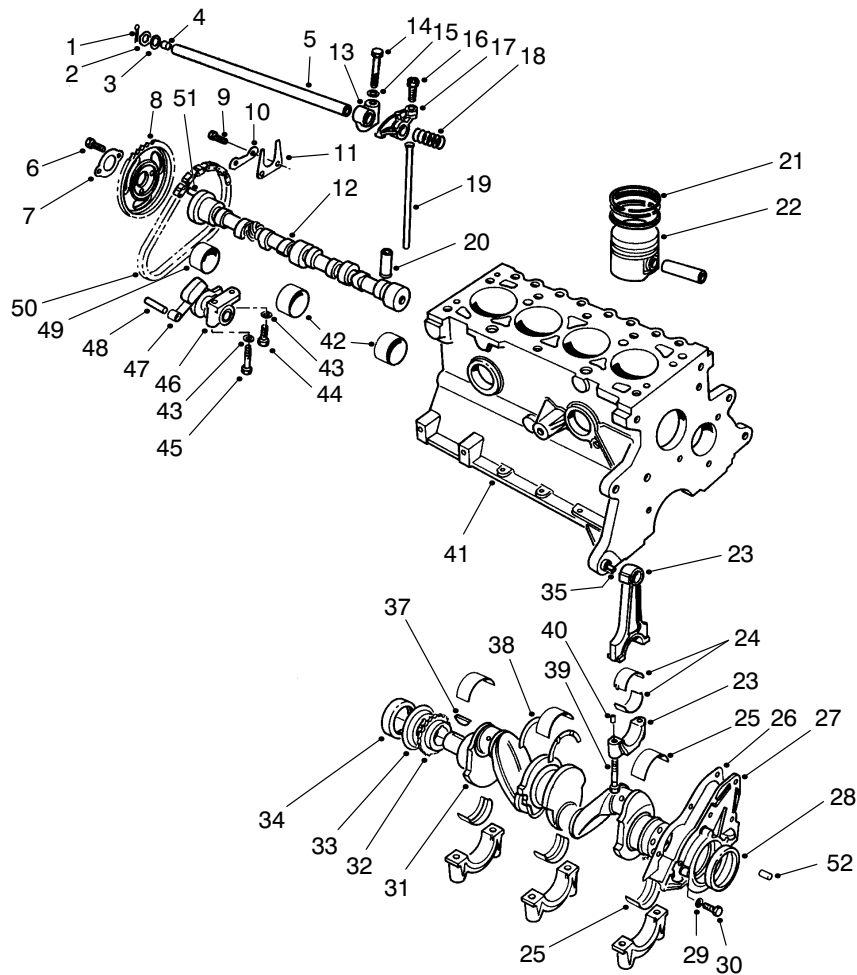
T-1004-1

## CRANKSHAFT & CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	72025-S7	Cotter Pin	2	22	89BM-6102-AA	Asm-Piston STD. (Inc. Ref. #21)	4
2	77BM-6598-AB	Washer-Spring	2	*	89BM-6102-BA	Asm-Piston .020 OS. (Inc. Ref. #21)	A/R
3	DORY-6590-A	Washer-Flat	2	*	89BM-6102-CA	Asm-Piston .040 OS. (Inc. Ref. #21)	A/R
4	357966-S	Plug-Rocker Arm Shaft	2	23	89BM-6200-AD	Asm-Connecting Rod	4
5	89BM-6A557-AA	Asm-Rocker Arm Shaft (Incl. Ref. #4)	1	24	89BM-6211-AA	Bearing-Rod STD.	8
6	E602351-S72	Bolt	2	*	89BM-6211-BA	Bearing-Rod .001 U.S.	A/R
7	DORY-6258-A	Retainer	1	*	89BM-6211-CA	Bearing-Rod .010 U.S.	A/R
8	77BM-6256-AA	Sprocket-Camshaft	1	*	89BM-6211-DA	Bearing-Rod .020 U.S.	A/R
9	N602166-S2	Bolt	2	*	89BM-6211-EA	Bearing-Rod .030 U.S.	A/R
10	DORY-6255-A	Retainer	1	25	89BM-6333-AA	Bearing-Crank Upper STD. OD STD. ID	5
11	DORY-6269-A	Plate-Thrust	1	*	89BM-6331-AA	Bearing-Crank Lower STD. OD STD. ID	5
12	89BM-6251-AA	Camshaft	1	*	89BM-6333-BA	Bearing-Crank Upper STD. OD .005 US. ID	A/R
13	77BM-6531-BB	Support-Rocker Shaft	4	*	89BM-6331-BA	Bearing-Crank Lower STD. OD .005 US. ID	A/R
14	E800509-S72	Bolt-Rocker Support	4	*	89BM-6333-CA	Bearing-Crank Upper STD. OD .010 US. ID	A/R
15	E630031-S101	Washer	4				
16	DORY-6549-B	Screw	8				
17	89BM-6529-AB	Valve Rocker Arm-R.H. (Inc. Ref. #16)	4				
*	89BM-6K528-AB	Valve Rocker Arm-L.H. (Inc. 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				

\*Not Illustrated

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



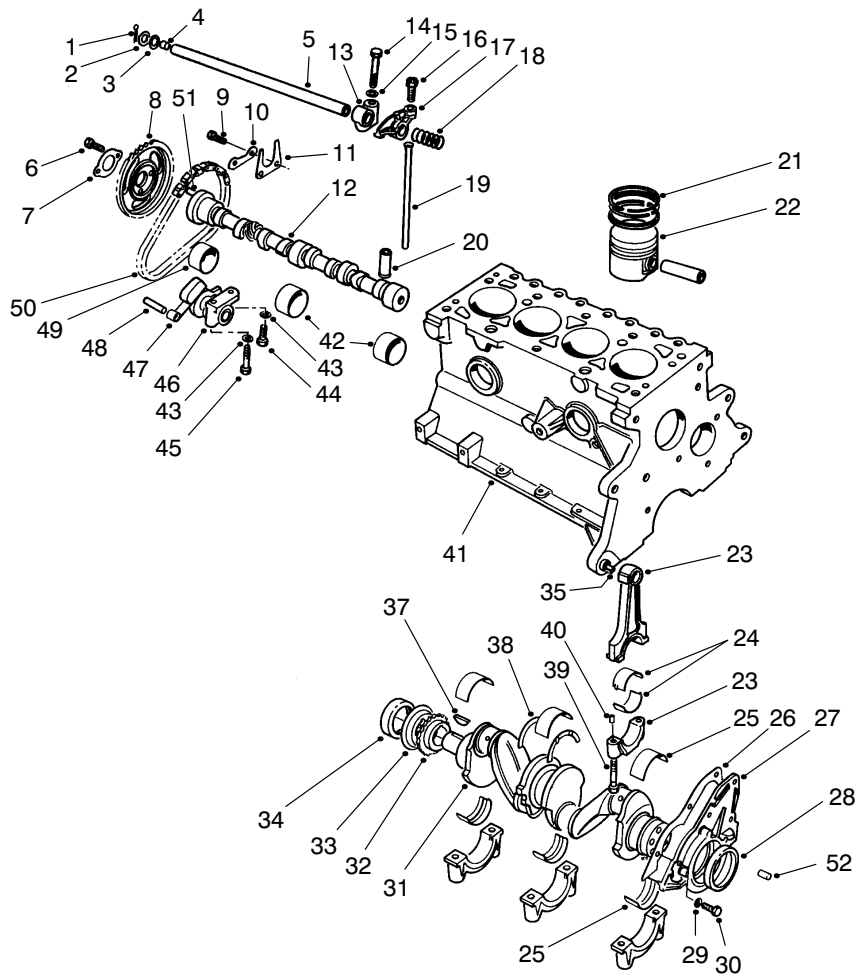
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## CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

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	Asm-Retainer, 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	Bolt	4
*	89BM-6333-FA	Bearing-Crank Upper STD. OD .030 US. ID	A/R	31	89BM-6303-DA	Asm-Crankshaft	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.



T-1004-1

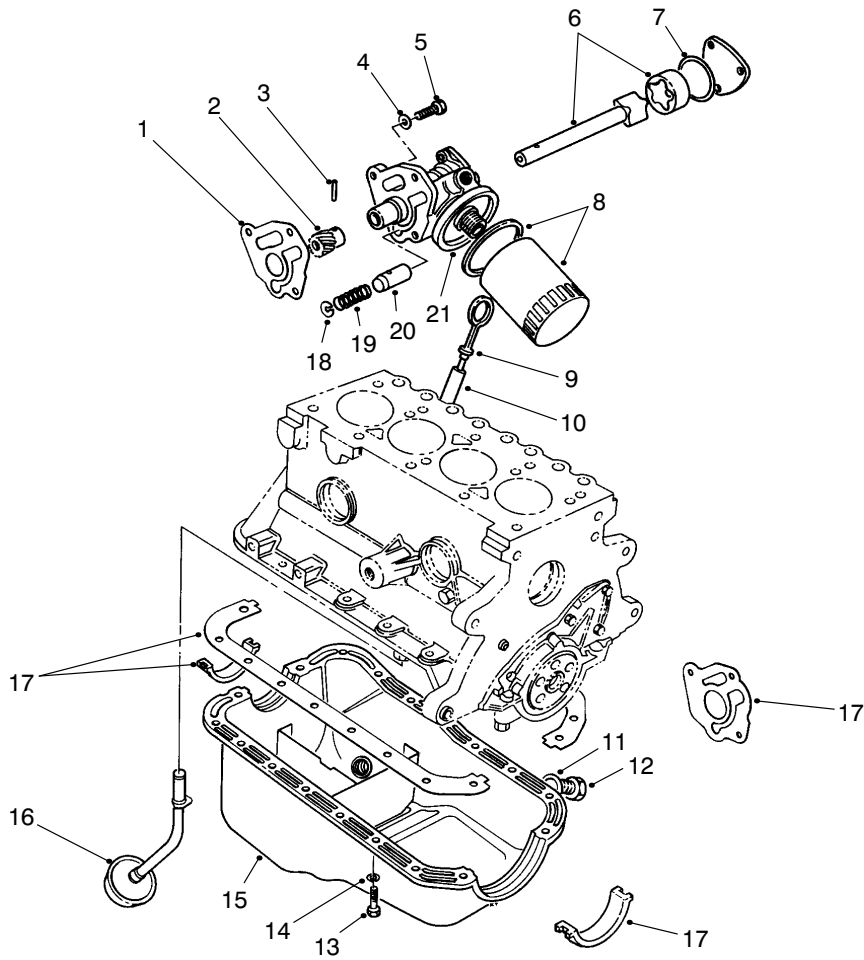
## CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
47	77BM-6K255-AC	Arm-Tensioner	1
48	E43-CP-1	Pin	1
49	DORY-6261-A	Bearing-STD. ID STD. OD	1
*	DORY-6261-B	Bearing-STD. ID +.020 OD	A/R

Ref. No.	Part No.	Description	No. Used
50	DORY-6268-A	Chain	1
51	E93A-6253-A	Dowel	1
52	E-840161-S	Dowel	1
*	93BX-6014-AA	kit-Gasket, Upper	1

\*Not Illustrated

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

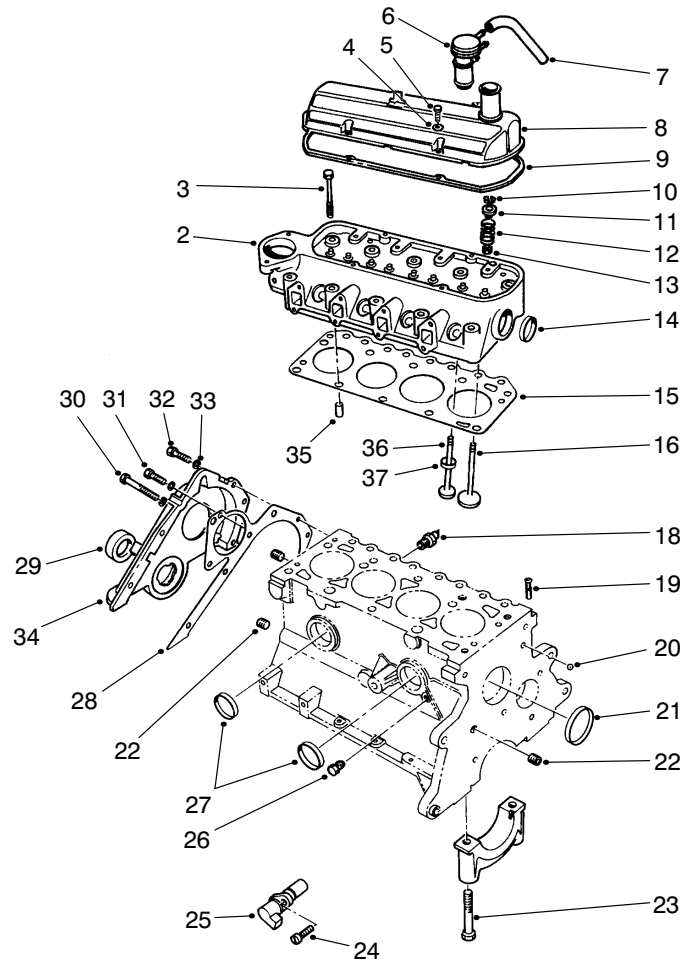


T-1003-1

## 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	Asm-Oil Pickup Tube	1
6	DIFZ-6608-B	Rotor & Shaft	1	17	A850X-6013-A2A	Kit-Gasket Seal	1
7	116682-ES	Seal Cover Plate	1	18	DORY-6666-A	Plug	1
8	95-3304	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-1002-1

## CYLINDER HEAD & VALVE ASSEMBLY

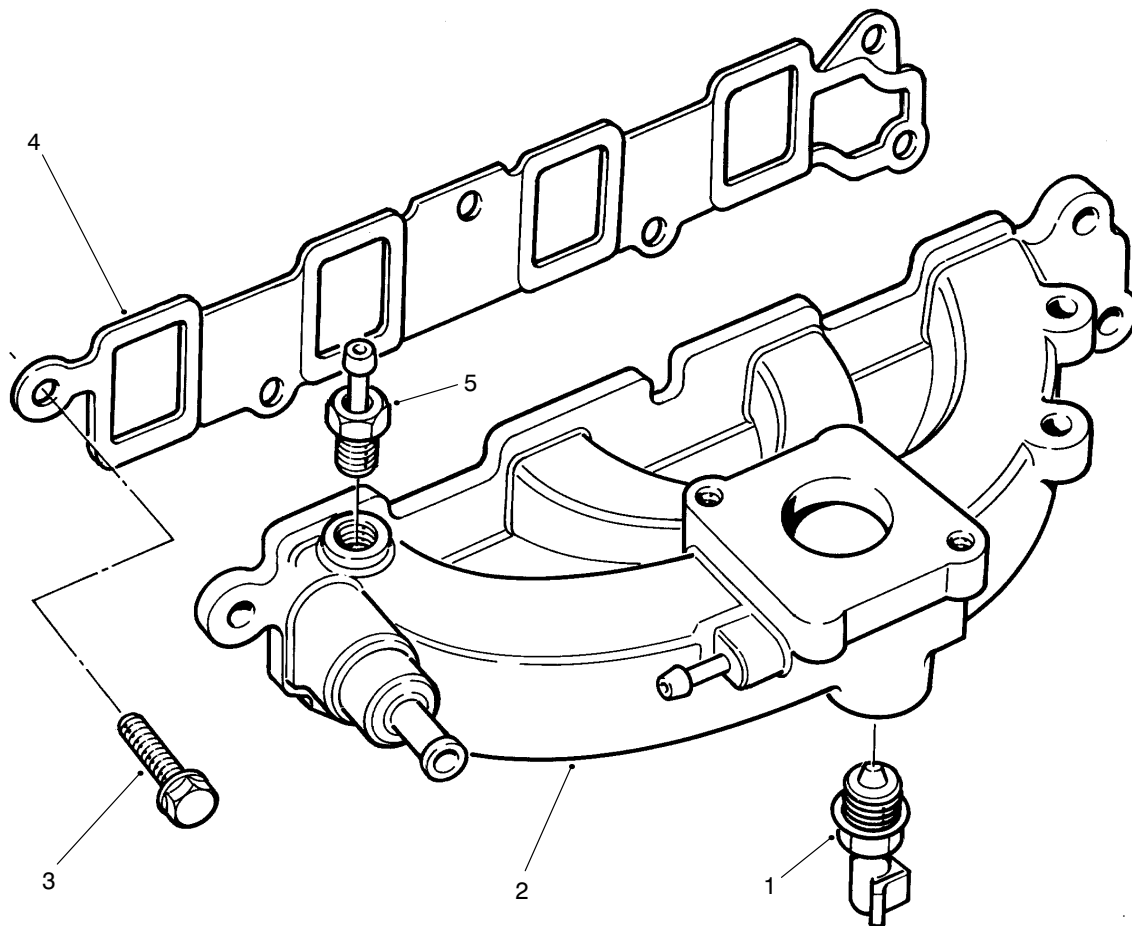
Ref. No.	Part No.	Description	No. Used
2	89BM-6049-HB	Asm-Cylinder Head	1
3	89BM-6065-DA	Bolt-Cylinder Head	10
4	E630024-S201	Washer-Flat	4
5	E800516-S72	Screw-Rocker Cover	4
6	84BF-6K614-CA	Cap-Oil Fill	1
7	E9JL-6K609-AA	Hose-PCV	1
8	91BM-6582-GA	Cover-Rocker Arm	1
9	77BM-6584-CA	Gasket-Cover	1
10	88WM-6518-AA	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-B2D	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	95BM-6019-AC	Asm-Cover & Seal (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.



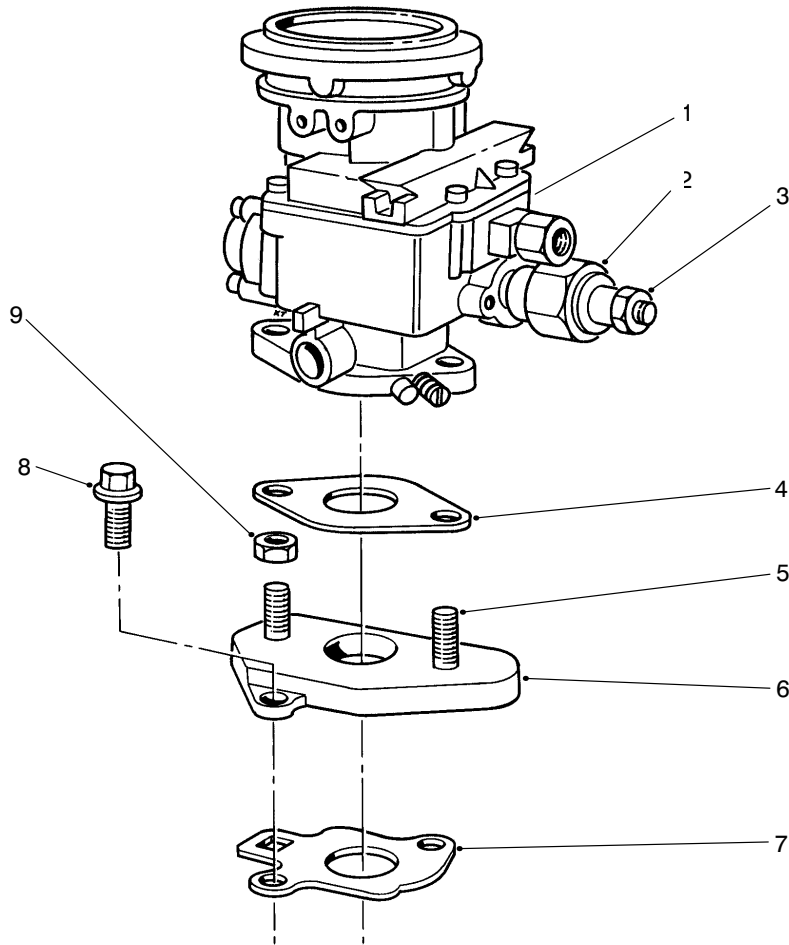


T-1176-1

### 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-0999-1

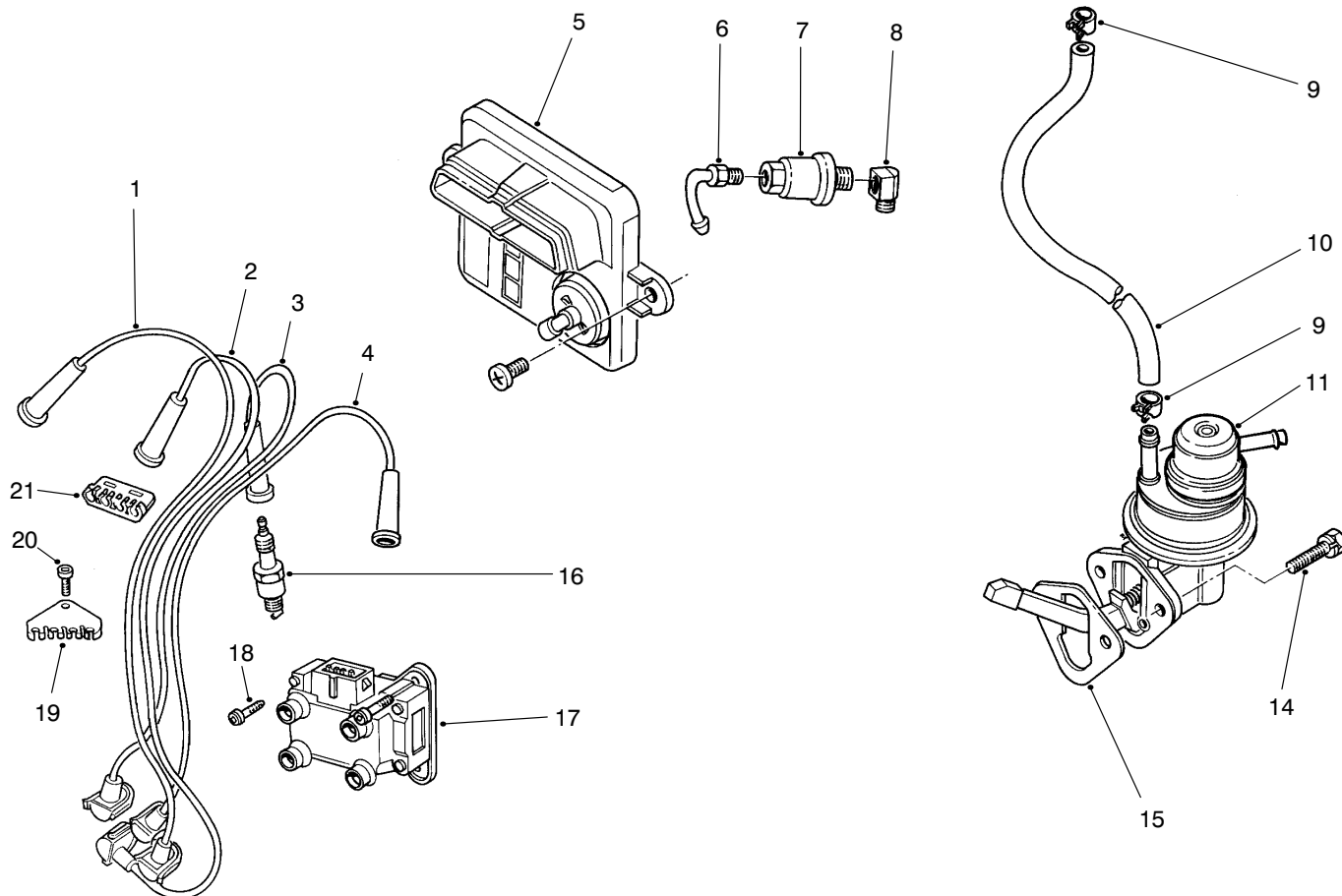
## CARBURETOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	FOJL-9510BA	Asm-Carburetor	1
2	84FB-9K765-BA	Solenoid	1
3	N621903-S2	Nut & Washer	1
4	E5JL-9447-BA	Gasket	1
5	E804216S	Stud	2

Ref. No.	Part No.	Description	No. Used
6	E8JL-9A589-CB	Adapter	1
7	87BF-9447-BA	Gasket	1
8	N800055-S	Bolt	2
9	N620041-S51	Nut	2
*	FOJI-9590-BA	Kit-Repair	1

\*Not Illustrated

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



T-1233-1

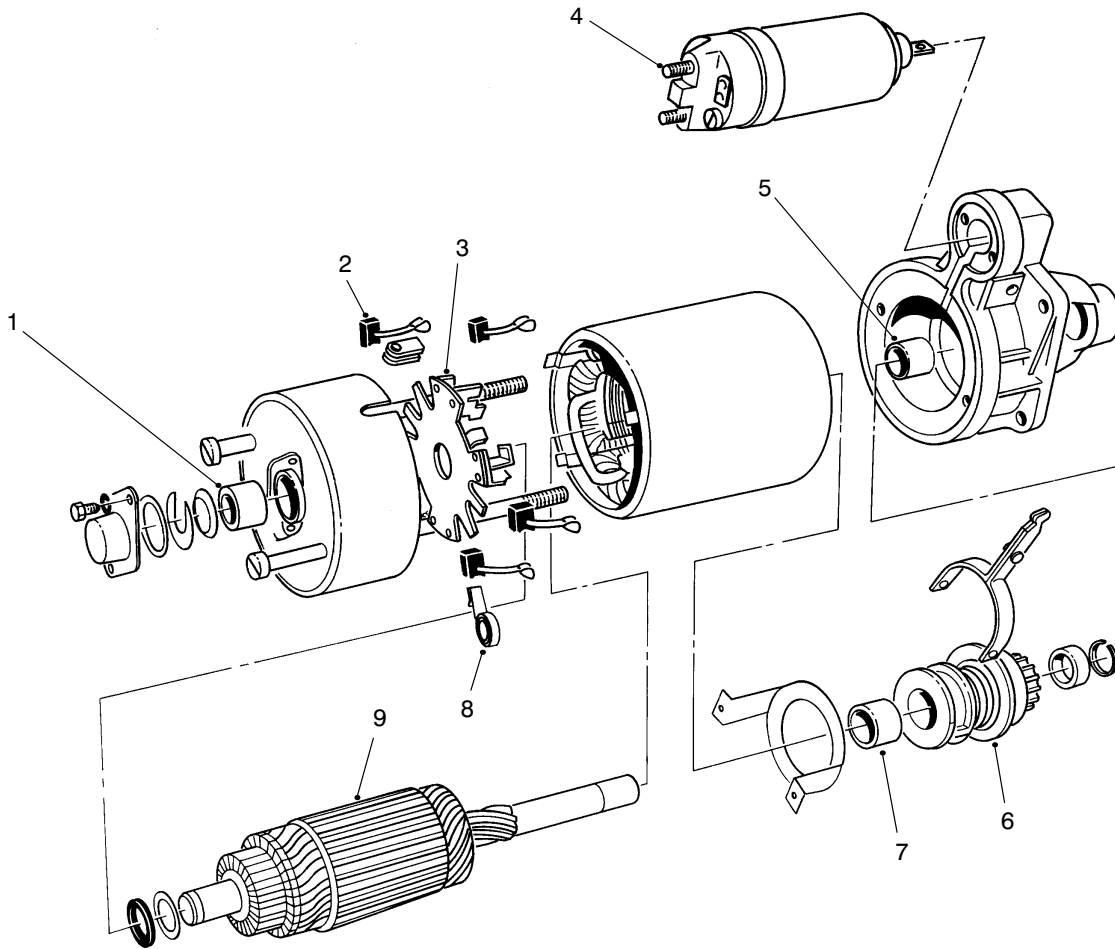
## IGNITION & FUEL PUMP ASSEMBLY

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	95-3305	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	96BF-12024-A1A	Asm--Coil & Bracket	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-1005-1

## 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		Asm—Drive	1
7		Bushing—Starter Drive	1
8		Spring—Brush	4
9		Kit—Armature Install	1
*		Kit—Wiring, Service	1

\*Not Illustrated

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

# TORO PART NUMBER INDEX

3317-532 REV E

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-1365	Chain-Lift	35	36	3	21-7700	Pinion Mate Shaft	17	31	1
3-6498	Washer	9	18	A/R	21-7720	Thrust Washer	16	4	2
3-6657	Clip	8	5	2	21-7730	Thrust Washer	16	7	2
3-7243	Spring-Extension	11	13	2	21-7770	Drive Gear Screw	17	32	5
3-7292	Pin	35	20	1	21-7830	Gear Cover	16	12	1
3-8812	Spacer	9	19	1	21-7850	Cap-Plug	16	20	1
5-0652	Spacer	32	13	1	21-8020	Spacer-Pinion Bearing	17	25	1
5-0652	Spacer	9	37	1	21-8090	Adjustment Shim .003	17	38	A/R
5-0701	Spring Anchor	10	52	1	21-8100	Adjustment Shim .005	17	37	A/R
5-1226	Washer	19	17	A/R	21-8110	Adjustment Shim .010	17	36	A/R
5-1747	Spring	9	21	1	21-8120	Adjustment Shim .030	17	35	A/R
5-1754	Washer	35	15	6	21-8180	Bearing	18	3	2
5-2942	Shackle	35	39	1	21-8270	Dowel Pin	16	3	2
5-3126	Spring Pin	35	21	3	21-8360	Clip-Retaining	18	10	2
7-3900	Pad-Brake	11	1	1	21-8590	Link-Valve Lever	25	27	1
10-6830	Stud-Drive	19	24	10	21-8620	Lever Valve	25	2	1
10-8110	Washer	19	18	3	21-8640	Latch Valve Lever	25	7	1
12-9990	Hour Meter	4	16	1	21-9010	Pivot Mount-Valve Lever	25	11	1
14-8459	Hood	6	44	1	21-9260	Cover-Dust	12	4	1
18-1520	Filter-Gas	15	43	1	21-9370	Screw-Adjusting	18	7	2
18-2770	Cable-Ground	2	51	1	21-9380	Nut-Pivot	18	8	2
18-5410	Spring-Torsion	33	31	1	21-9390	Socket-Adjusting Screw	18	6	2
18-5430	Plug-Expansion	33	39	1	21-9420	Spring-Shoe Return L.H.	18	17	2
18-5440	Spacer	33	38	2	21-9430	Spring-Shoe Return R.H.	18	18	2
18-5450	Bearing	33	35	2	21-9440	Spring-Adjusting Screw	18	14	2
18-5520	Lever-Rocker	33	37	1	21-9450	Dust Shield	18	4	2
18-5530	Screw & Lockwasher	33	40	2	21-9460	Retainer-Brake Lever	18	15	4
18-5540	Ring-Retaining	33	19	3	22-7810	Spacer	15	24	1
18-5580	Seal-Oil Front	33	7	1	22-7810	Spacer	4	27	1
18-5620	Screw	33	5	2	22-7820	Asm-Buzzer	4	28	1
18-5630	Washer-Lock	33	6	4	22-8330	Plug	28	1	2
18-5640	Ring-Retaining	33	10	2	22-8340	Spring	28	3	2
18-5660	Pin-Pivot Flyweight	33	42	2	22-8350	Ball	28	4	2
18-5670	Retainer-Pin Pivot	33	41	2	22-8360	Pin-Cam	28	6	2
18-5750	Pin	33	28	1	22-8370	Seat-Check Valve	28	5	2
18-5770	Washer-Lock	33	14	2	22-8380	Spring Retainer	28	10	1
18-5790	Gasket	33	11	1	22-8390	Spring Retainer	28	12	1
20-4840	Muffler Clamp	34	6	1	22-8400	Spacer Float	28	13	1
21-0140	Asm-Socket R.H.	19	39	2	22-8410	Spring	28	11	1
21-0141	Asm-Socket R.H.	11	26	1	22-8420	Spool	28	8	1
21-0150	Asm-Socket L.H.	19	*	2	22-8480	Spring Ring Spool	28	14	1
21-0230	Pulley-P.T.O.	9	13	1	22-8490	Snap Ring	28	15	1
21-0400	Spring-Compression	9	48	1	22-8500	O-Ring	28	9	2
21-1600	Clamp P.T.O. Lever	10	54	1	23-1950	Support Reinforcement	35	18	1
21-1820	Stud-Retainer Belt	30	1	3	23-2240	Rod-Pump Control	11	17	1
21-1830	Spring Tension	35	5	1	23-2270	Bushing-Rubber	11	16	1
21-1830	Spring-Tension	9	50	2	23-5180	Dipstick	15	38	1
21-1880	Grip Handle	9	1	1	23-7270	Nut-Wheel	15	30	10
21-1880	Grip-Handle	12	35	1	23-9740	Oil Filter	21	34	1
21-2000	Rod-Tie	19	41	2	24-6390	Stud-Battery Hold Down	1	12	2
21-2660	Footrest	1	5	1	24-6420	Hold Down-Battery	1	20	1
21-2760	Pad-Foot Rest L.H.	2	46	1	24-8790	Differential Bevel Gear Side	16	5	2
21-2770	Pad-Foot Rest R.H.	2	45	1	24-8840	Ring-Wheel Bearing	18	22	2
21-2820	Hub-Wheel	19	25	2	24-9180	Strut & Lever Parking Brake	18	19	2
21-2850	Mount-R.H. Pedal	11	4	1	24-9510	Pin	35	11	1
21-2860	Push Arm Bracket	35	24	2	24-9830	Support-Axle	17	44	1
21-2890	Spring-Torsion RH	35	31	1	25-2380	Thrust Plate	23	50	2
21-2900	Spring-Torsion LH	35	30	1	25-2390	Motor Valve Plate	24	57	1
21-2960	Push Arm LH	35	29	1	25-2400	Gasket	24	59	1
21-2990	Shaft Pivot	35	26	1	25-2410	Asm-Accel. Valve	23	17	2
21-3000	Jam Nut	35	35	2	25-2430	Dowel Pin	24	52	2
21-3020	Ball Joint Mount Rd. Hd.	35	4	1	25-2440	Pump Valve Plate	23	51	1
21-3050	Ball Joint Mount LH	35	32	1	25-2450	Variable Swashplate	23	48	1
21-3370	Cable-R.H. Brake	11	*	1	25-2460	Plug-HH	23	28	2
21-3380	Cable-L.H. Brake	11	15	1	25-2470	Shim Pack	23	29	2
21-3600	Foam-Support Tank	15	1	1	25-2480	Valve Spring	23	44	1
21-3610	Foam-Support Tank	15	13	1	25-2490	Ball	23	9	2
21-5640	Joint-Ball	29	9	1	25-2500	Trunnion Shaft	23	43	1
21-7670	Differential Case	17	33	1	25-2510	Washer-Flat	23	25	2
21-7690	Pinion Gear	16	6	2	25-2530	Headless Straight Pin	23	39	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
25-2550	Charge Pump Housing	23	34	1	43-3860	Shaft-Pivot P.T.O.	9	9	1
25-2570	Valve Spring	23	30	1	43-4300	Trim-Rear Frame	1	32	2
25-2580	Trunnion Shaft	23	26	1	43-5500	Pivot P.T.O.	9	31	1
25-2610	Accel. Valve Spring	23	16	1	43-5540	Shaft P.T.O.	9	43	1
25-2630	Back Up Ring	23	14	1	43-5550	Shaft- P.T.O. Actuator	9	32	1
25-2640	Valve Spring	23	8	2	43-5570	Arm-P.T.O. Actuator	9	38	1
25-2650	Check Valve Plug	23	6	2	43-5630	Yoke-P.T.O.	9	51	1
25-2680	Asm-Gerotor	23	38	1	43-5930	Washer-Lock	30	17	3
25-3190	Charge Pump	23	40	1	43-5930	Washer-Metric	6	4	2
25-3210	Lip Seal	23	24	2	43-6550	Snap Ring	16	21	1
25-8640	Screw-Machine	29	11	1	43-6710	Adjustment Shim .003	16	15	A/R
26-6740	Temperature Reset Relay	4	13	1	43-6711	Adjustment Shim .005	16	16	A/R
27-1960	Hub-Engine	31	53	1	43-6712	Adjustment Shim .010	16	17	A/R
27-2360	Switch	4	15	1	43-6713	Adjustment Shim .030	16	18	A/R
27-6590	Spacer Rubber Coupling	21	22	2	43-6750	Roller Bearing Cup	16	10	1
27-6600	Spacer Rubber Coupling	21	20	6	43-6760	Roller Bearing Cone	16	9	1
27-7100	Asm-Air Cleaner	34	5	1	43-6810	Torque-Spider	18	5	2
27-7110	Asm-Element	34	14	1	43-6840	Lower Housing	17	34	1
27-7120	Asm-Nut & Gasket	34	15	1	43-8600	Spring-Compression	8	11	1
27-7130	Asm-Clamp	34	17	1	43-8600	Spring-Compression	10	66	1
27-7140	Skirt-Baffle	34	16	1	43-8610	Guide-Spring & Ball Seat	9	5	1
27-7150	Asm-Cup	34	19	1	43-8610	Guide-Spring & Ball Seat	8	12	1
27-7160	Decal-Instructions	34	12	1	43-8620	Guide-Switch Pin	8	9	1
27-7170	Asm-Band	34	3	2	43-8620	Guide-Switch Pin	10	68	1
27-7180	Asm-Cap, Air Inlet	34	8	1	43-8860	Plunger-Switch	8	10	1
27-7290	Decal-Power Take Off	1	16	1	43-8860	Plunger-Switch	10	67	1
27-7310	Decal-Refueling	2	39	1	43-8870	Boot-Switch	8	1	1
27-7320	Decal-Traction Pedal	3	13	1	43-8870	Boot-Switch	10	71	1
27-7370	Asm-Brake, P.T.O.	9	25	1	43-9071	Asm-Switch	10	*	1
27-7490	Pedal-L.H. Brake	11	41	1	43-9071	Asm-Switch	8	*	1
27-7510	Pedal-R.H. Brake	11	42	1	43-9110	Tank-Fuel	15	12	1
27-7570	Pad-Left Turn	11	38	1	44-2210	Warning Light	4	30	1
27-7580	Pad-Right Turn	11	2	1	44-2230	Rubber Coupling	21	17	2
27-7590	Mount-Brake	11	34	1	46-2210	Shim-Front Pinion Bearing	16	22	A/R
27-7640	Shaft-Brake Latch	11	36	1	46-2211	Shim-Front Pinion Bearing	16	*	A/R
27-7900	Screw-Adjusting	9	35	1	46-2212	Shim-Front Pinion Bearing	16	*	A/R
27-8550	Pedal-Parking Brake	11	45	1	46-2213	Shim-Front Pinion Bearing	16	*22	A/R
27-9270	Mount-Brake Pivot Shaft	11	35	1	46-2214	Shim-Front Pinion Bearing	16	*	A/R
28-0650	Flanged Axle Shaft	18	1	2	46-2215	Shim-Front Pinion Bearing	16	*A/R/	
28-0670	Oil Seal	18	13	2	46-2216	Shim-Front Pinion Bearing	16	*	A/R
28-0680	Brake Drum	18	11	2	46-2220	Shim-Front Pinion Bearing	16	*	A/R
28-1280	Boot-Cable	1	18	1	46-2221	Shim-Front Pinion Bearing	16	*	A/R
28-5220	Wheel-Friction	11	25	1	46-2222	Shim-Front Pinion Bearing	16	*	A/R
28-9570	Pump Lever	21	51	1	46-2223	Shim-Front Pinion Bearing	16	*	A/R
29-6120	Pump Plate	21	3	1	46-2224	Shim-Front Pinion Bearing	16	*	A/R
29-6150	Leaf Spring	21	46	1	46-2225	Shim-Front Pinion Bearing	16	*	A/R
29-6163	Micro Switch	21	2	1	46-2226	Shim-Front Pinion Bearing	16	*	A/R
29-6170	Extended Leaf Spring	21	7	1	46-2410	Shim-Front Pinion Bearing	16	*	A/R
31-0390	Disc-Friction	12	31	1	46-2411	Shim-Front Pinion Bearing	16	*	A/R
33-4380	Pump Hub	21	14	1	46-2412	Shim-Front Pinion Bearing	17	*22	A/R
37-9550	Strap-Tank Fuel	15	4	1	46-2413	Shim-Front Pinion Bearing	17	*	A/R
37-9650	Trim	1	26	1	46-2414	Shim-Front Pinion Bearing	17	*	A/R
38-1650	Fuel Gauge	4	8	1	46-2415	Shim-Front Pinion Bearing	17	*	A/R
38-1660	Ammeter	4	10	1	46-2416	Shim-Front Pinion Bearing	17	*	A/R
38-1670	Mounting Clamp	4	7	2	46-2420	Shim-Front Pinion Bearing	17	*	A/R
38-3400	Guard-Rubber	25	5	1	46-2421	Shim-Front Pinion Bearing	17	*	A/R
38-3400	Guard-Rubber	22	60	1	46-2422	Shim-Front Pinion Bearing	17	*	A/R
38-4550	Instrument Cover	1	28	1	46-2423	Shim-Front Pinion Bearing	17	*	A/R
39-8020	Trim-Instrument Cover	1	31	1	46-2424	Shim-Front Pinion Bearing	17	*	A/R
41-8760	Gasket-Transmission	21	45	1	46-2425	Shim-Front Pinion Bearing	17	*	A/R
42-6080	Shim-Axle	15	26	A/R	46-2426	Shim-Front Pinion Bearing	17	*	A/R
42-9500	Screw-Metric	30	3	4	46-6390	Drive Coupling	21	18	1
42-9850	Washer-Lock	30	4	5	46-8400	Needle Bearing	24	53	2
43-1710	Asm-Valve	25	13	1	46-8410	Motor Shaft	24	58	1
43-1730	Body	28	7	1	46-8810	Stop-Leaf Spring	22	56	1
43-2600	Screw-Metric	30	6	3	46-8840	Spring Lift Arm	35	14	1
43-3320	Foam-Radiator	6	33	2	48-1800	Kit-Cylinder Block	23	5	2
43-3720	Collar Bearing	30	48	1	48-7630	Screw-Metric	6	5	2
43-3780	Swivel-Cable Throttle	29	13	1	48-7730	Screw-HH	32	41	2
43-3810	Tube Air Cleaner	34	7	1	48-7730	Screw-Metric	30	5	1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
48-7780	Screw-Metric	30 33 2	67-5480	Shaft	27 2 1
48-7800	Screw-Metric	30 8 3	67-5500	Repair Kit	27 3 1
48-7890	Nut	31 59 1	67-8020	Pump Shaft	23 20 1
48-7890	Nut-Metric	6 3 2	67-8050	Needle Bearing	23 35 1
48-8030	Washer-Flat	29 31 1	67-8190	Bracket-Engine Support	8 20 2
48-9470	Screw-Metric	30 27 3	67-8240	Bracket-Throttle	29 23 1
48-9590	Washer-Lock	30 7 8	67-8250	Rod-Throttle	29 16 1
49-8520	Kit-Relief, Implement	24 63 1	67-8310	Mount-Engine	30 13 1
53-4420	Decal-Fuel	2 38 1	67-8340	Bar-Spacer	30 16 1
53-4430	Decal-Oil Fill	3 11 1	67-8350	Bracket-Guide Belt	30 15 1
53-9480	Washer-Snubber	32 21 2	67-8360	Governor	29 14 1
53-9480	Washer-Snubber	30 35 2	67-8370	Hub	33 4 1
53-9660	V-Belt Torque Team	9 12 1	67-8380	Pulley-Fan	29 7 1
53-9680	Mount-Engine	32 20 2	67-8390	Spacer-Fan	29 6 1
53-9680	Mount-Engine	30 46 2	67-8420	Bracket-Muffler	32 15 1
54-7890	Pump Housing	23 22 1	67-8440	Plate-Support Engine	32 25 1
54-9290	Bracket	21 29 2	67-8460	Pulley-Engine	30 42 1
54-9300	Cover	21 28 1	67-8480	Support-Engine Rear	32 18 1
55-3574	Cap-Tank Fuel	15 11 1	67-8510	Belt-Fan	29 5 1
55-4300	Warning Decal	35 12 3	67-8540	Cable-Ground	5 4 1
55-7290	Battery (Group Size 24)	1 11 1	67-8550	Engine Temperature Gauge	4 11 1
56-2460	Washer	19 45 A/R	67-8560	Throttle & Choke Control	4 31 2
56-7980	Sleeve-Protective	7 56 1	67-8590	ASM-Radiator	6 37 1
59-9740	Latch-Draw	6 20 1	67-8640	Shroud-Radiator	6 17 1
60-9760	Nut	26 7 1	67-8660	Hose-Radiator Lower	6 21 1
60-9760	Nut-Hex	27 7 1	67-8690	Support-Column	12 7 1
60-9770	Piston	26 6 1	67-8890	Arm-Idler	30 12 1
60-9780	Head	26 5 1	67-8910	Spacer-Pulley	30 19 1
61-4960	Repair Kit	26 3 1	67-8920	Shield-Heat	29 27 1
61-4980	Shaft-w/Clevis	26 2 1	67-8940	Connector-Outlet	32 5 1
61-4990	Ring-Retaining	26 4 1	67-8960	Weight-Axle Rear	19 1 1
62-3010	Bracket-R.H.	8 15 1	67-9030	Grille-Radiator	6 38 1
62-3020	Bracket-L.H.	8 17 1	67-9080	Motor Housing	23 4 1
62-4250	Cylinder-Hydraulic	25 21 1	67-9090	Plug	23 42 2
62-4260	Asm-Drive Shaft	9 44 1	67-9100	Gasket	23 10 1
62-6840	Sender-Fuel Level	15 6 1	67-9120	Muffler	32 16 1
62-7020	Asm-Wheel & Tire 4 Ply	15 * 2	67-9130	Pipe-Muffler	32 11 1
62-7650	Gasket-Tank Fuel	15 5 1	67-9150	Support-Governor	29 30 1
63-1400	Rod-Belt	31 54 1	67-9800	Bumper	35 37 3
63-7590	Relay	4 23 1	68-5140	Cap-Wheel, Steering	12 46 1
63-7630	Hose-Vent Fuel	15 10 1	68-5370	Decal-Toro	12 1 1
63-8140	Pulley-Idler	30 11 1	68-8610	Fender-Extension	2 42 1
63-8360	Key	4 12 1	68-8660	Elbow	21 31 1
63-8960	Asm-Hose	6 32 1	68-8990	Head-Filter	21 33 1
63-8970	Hose-Trans. to Steering	12 14 1	68-9160	Bracket	6 29 1
63-8980	Hose-Aux. to Valve	12 22 1	68-9650	Hose-Axle	21 37 1
63-8990	Hose	25 15 1	68-9710	Hose-Steering Cylinder	7 55 2
63-8990	Hose	12 23 1	68-9720	Hose-Cylinder to Steering	12 19 1
63-9010	Asm-Hose	6 24 1	68-9730	Hose-Steering to Cylinder	12 18 1
63-9260	Manifold-Valve	25 17 1	68-9760	Base-Tank Fuel	15 40 1
66-1250	Cylinder-Hydraulic	25 * 1	69-9870	Asm-Wheel & Tire 6 Ply	15 * 2
66-1930	Nut-Lock	20 6 1	69-9880	Tire-23" x 10.5" x 12" 6 Ply	15 * 2
66-1940	Piston	20 5 1	70-1380	Sleeve-Protective	12 17 1
66-2990	Cup-Spindle	19 50 2	70-1390	Sleeve-Protective	12 15 1
66-3160	Screw-HH	29 32 1	70-1630	Hose-Radiator Upper	6 14 1
66-3240	Cap-Pressure Radiator	6 6 1	70-1660	Bracket-E.S.C.	6 42 1
66-6140	Decal-Toro	6 9 1	70-1670	Hose-Heater	32 4 1
66-6370	Lift Arm	35 1 1	70-1690	Adapter-Gauge Temp.	32 2 1
66-6390	Decal-Caution	1 4 1	70-1790	Strip-Foam Sealing	6 34 1
66-7150	Push Arm RH	35 9 1	70-1890	Guard-Flywheel	8 18 1
66-9760	Nut-Hex	12 2 1	70-1910	Hose-Vac. Advance	30 25 1
66-9970	Kit-Spring	13 * 1	70-1920	Hose-Vacuum	30 20 1
66-9980	Kit-Seal	13 * 1	70-2040	Guard-Trim	29 29 1
66-9990	Kit-Needle Roller	13 * 1	70-2050	Hose-Breather	32 8 1
67-1710	Decal-Caution	1 27 1	70-2060	Cover-Governor	33 8 1
67-1720	Decal-Torque	3 10 2	70-2070	Lever-Speed Adjusting	33 21 1
67-1750	Bushing-Axle	19 21 6	70-2080	Body	33 36 1
67-5450	Piston	27 6 1	70-2090	Stud-Pivot Lever	33 22 1
67-5460	Head	27 5 1	70-2100	Asm-Sleeve & Bearing	33 18 1
67-5470	Ring-Retaining	27 4 1	70-2110	Main Shaft & Yoke	33 17 1

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
70-2120	Spacer	33	43	1	88-1640	Pin-Traction Pedal	11	20	1
70-2130	Clamp-Bearing to Cover	33	13	1	88-1650	Shaft-Traction Pedal	11	22	1
70-2140	Bearing-Front	33	12	1	88-1670	Bracket-Pivot	11	23	1
70-2150	Flyweight	33	15	2	88-1680	Bracket-Footrest	11	48	1
70-2160	Bracket-Speed Stop	33	2	1	88-1710	Footrest	11	50	1
70-2200	Decal-Toro	3	1	1	88-1720	Pad-Footrest	11	51	1
70-2620	Elbow-90°	21	38	1	88-8220	By Pass Valve	23	15	1
71-4540	Washer-Thrust	19	7	1	92-1661	Hose-Fuel	15	44	1
71-4770	Screw	33	45	2	92-1662	Hose-Fuel	15	22	1
71-4780	Seal-Oil Rocker Shaft	33	27	1	92-1773	Screw-HH	16	11	4
72-3690	Fender	1	9	2	92-1774	Oil Seal	18	2	2
72-3750	Roller Bearing	23	2	1	92-4058	Arm-P.T.O.	9	30	1
72-4320	Switch-Ball	9	3	1	92-4060	Fork P.T.O.	9	24	1
72-4320	Switch-Ball	8	14	1	92-4848	Asm-Gear & Pinion	17	*	1
72-5850	Pin-Force Idle	33	25	1	92-4903	Asm-Upper Hsg., 2WD	17	*	1
72-5860	Spring-Governor	33	24	1	92-5723	Bushing-P.T.O. Fork	9	23	2
72-5860	Spring-Governor	33	24	1	92-5727	Screw-HH	9	22	2
72-5870	Eyebolt	33	33	1	92-5838	Ball Joint	19	10	2
72-5880	Asm-Throttle Lever	33	32	1	92-6588	Gland	20	3	1
72-5890	Shaft-Rocker	33	30	1	92-6593	Seal Kit	20	2	1
72-5910	Asm-Bumper Screw	33	34	1	92-7308	Valve-Steering, Power	12	25	1
72-5920	Screw	33	3	1	92-7310	Bolt-Special	13	36	4
72-5930	Screw	33	26	1	92-7314	Asm-Column	13	*	1
72-5940	Bearing-Needle	33	20	1	92-7315	Seal	13	28	1
72-9420	Vent Tube Assembly	17	39	1	92-7316	Nut-Push On	13	38	4
74-0720	Tube-Manual	8	2	1	92-7317	Foam	13	39	1
75-0560	Asm-Steering Wheel	12	3	1	92-7800	Cover-Battery Access	1	30	1
75-9890	Washer-Shim	10	75	A/R	92-7801	Shield-Cover, Battery	2	52	1
75-9900	Support-Engine Front	30	9	1	92-7802	Decal-Starting Instructions	1	29	1
76-1900	O-Ring	23	18	2	92-7816	Axle-Rear	19	20	1
76-8750	Decal-Warning	6	13	1	92-7821	Pivot-Steering	19	38	1
77-3100	Decal-Warning	6	15	2	92-7828	Cylinder-Hydraulic	20	*	1
77-3120	Bracket-Mount, Column	12	9	1	92-7828	Cylinder-Hydraulic	19	11	1
80-2880	Bracket-Steering, Tilt	12	40	1	92-7833	Hose-Valve to Cylinder	25	19	1
80-2930	Washer	12	39	1	92-7834	Hose	25	22	1
80-2940	Plate-Pivot	12	29	1	92-7841	Support-Axle Rear	19	5	1
80-2960	Spacer-Tower	12	10	2	92-7843	Pin-Axle Rear	19	47	1
80-2980	Boss-Pin	12	32	1	92-8775	Gasket Kit-Liquid	18	*	2
80-3330	Gasket	34	18	1	92-8776	Plug	24	61	4
82-5590	Hose-Air Cleaner	34	9	1	92-8777	O-Ring	24	62	2
82-8650	Clamp-Half	12	37	1	92-8918	Center Section	24	55	1
82-8660	Cover-Tower	12	5	1	92-8947	Transmission-Inline	21	42	1
82-8670	Rod-Brake Latch	11	10	1	92-9785	Belt-Alternator	30	40	1
82-8760	Elbow	12	12	1	93-0307	Retainer-Nut, Lock	19	43	2
82-8770	Elbow	12	21	1	93-0309	Washer-Tab	19	35	2
82-8930	Decal-Parking Brake	11	12	1	93-0312	Washer	24	60	4
82-8940	Decal-Steering, Tilt	12	44	1	93-1353	Lever-Steering, Tilt	12	34	1
82-8970	Decal-Coolant Engine	6	2	1	93-3183	Tool Box	2	40	1
82-9010	Disc-Friction	12	38	1	93-3184	Cover	2	49	1
83-7260	Relief Valve Cone	23	31	2	93-3189	Decal-Groundsmaster 345	6	8	2
84-5330	Bracket-Hood Prop	6	50	1	93-3198	Asm-Spindle L.H.	19	23	1
84-5380	Strap-Hood Prop	6	49	1	93-3199	Asm-Spindle R.H.	19	46	1
84-8500	Lever-P.T.O.	9	2	1	93-3769	Clevis Pin	9	26	1
84-8520	Bracket-P.T.O. Switch	9	6	1	93-4132	O-Ring	24	54	2
84-8600	Asm-Shoe & Lining	18	16	1	93-4133	Lip Seal	23	36	1
85-7470	Decal-Instrument Panel	4	2	1	93-7663	Mount-Engine	30	37	1
86-7040	Rod-Seat Prop	8	6	1	93-8489	Arm Adjust Alternator	30	41	1
86-7050	Bracket-Switch Actuator	10	73	1	93-9741	Asm-Wire-Harness	5	2	1
86-7060	Bracket-Hood Hold Down	7	54	1	94-3304	Pedal-Traction	11	18	1
86-7220	Gear-Transmission Output	21	44	1	94-3307	Pad-Front Pedal	11	47	1
86-7230	Spur-Gear	16	14	1	94-3308	Pad-Rear Pedal	11	19	1
86-7921	Cover-Spark Plug Wire	32	40	4	94-6934	Screw-Socket Hd.	18	21	8
86-8100	Asm-Ball Joint	35	33	2	94-6935	Nut-Lock	18	12	8
86-9370	Panel-Instrument	4	1	1	94-6936	Washer	18	23	8
86-9400	Support-Radiator	6	40	1	95-1821	Spring-Compression	11	9	1
86-9410	Support-Seat	7	52	1	95-3093	Kit-400 Hour Filter	15	*	1
86-9580	Upper Housing	17	26	1	95-3093	Kit-400 Hour Filter	22	*	1
86-9600	Asm-Front Axle	15	27	1	95-3093	Kit-400 Hour Filter	34	*	1
88-0070	Floor Plate	2	47	1	95-3304	Filter-Oil	39	8	1
88-0470	Tube-Pedal Spacer	11	49	1	95-3305	Filter-Fuel	43	7	1

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# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
98-3864	Brace-Lower Left	3 8 1	251-252	Ball Bearing	9 40 2
98-3865	Brace-Lower Right	3 6 1	251-252	Bearing	30 49 1
98-3866	Brace-Upper	3 3 2	251-259	Ball Bearing	21 5 1
98-3879	Asm-Frame	3 2 1	252-82	Needle Bearing	23 23 2
98-3883	Clamp-Wire	2 48 1	253-129	Closure	19 36 2
212-93	Wire Clip	10 53 1	254-65	Cone-Tapered Bearing	17 28 2
217-106	Wheel	19 30 2	254-66	Cup-Tapered Bearing	17 27 2
217-116	Rim-23" x 10.5" x 12"	15 * 2	254-72	Cup-Bearing	19 26 4
217-117	Rim	15 29 2	254-90	Bearing Cup	17 24 1
218-461	Nut-Jam	8 7 2	254-91	Bearing Cone	17 23 1
218-461	Nut-Jam	10 70 2	254-94	Cone-Bearing	19 27 4
218-515	Mounting Bracket	4 22 1	256-10	Bushing	11 43 4
218-516	Lens	4 4 1	256-113	Bushing-Flange	9 47 4
218-539	Clamp	4 9 1	256-121	Bushing-Thrust	19 22 2
2112-6	Clamp-Muffler	32 12 1	256-126	Bushing	35 16 6
231-90	Tube-Inner (Optional)	15 * 2	256-156	Bushing	11 6 5
231-95	Tire-23" x 10.5" x 12" 4 Ply	15 * 2	256-242	Bushing	19 44 2
231-101	Tire	15 28 2	283-10	Pin	35 40 1
231-105	Tire	19 28 2	283-17	Pin	25 26 1
232-27	Stem-Valve	15 * 2	283-42	Clevis Pin	9 7 1
232-31	Stem-Valve	15 31 2	283-58	Pin-Clevis	11 14 2
232-31	Stem-Valve w/Cap	19 34 2	283-76	Pin-Lynch	7 53 1
233-17	Knob	11 11 1	285-17	Pipe Plug	23 12 2
233-21	Knob	25 3 1	285-17	Plug-Pipe	33 9 2
233-35	Knob-Control	4 3 2	289-37	Nipple-Pipe	15 37 1
237-7	O-Ring	8 8 1	2811-9	Elbow-Street	15 36 1
237-7	O-Ring	10 69 1	302-2	Grease Fitting	9 39 1
237-22	O-Ring	23 13 1	302-5	Fitting	19 19 3
237-22	O-Ring	19 14 1	302-5	Fitting-Grease	11 44 2
237-22	O-Ring	12 20 3	302-5	Grease Fitting	35 13 1
237-22	O-Ring	22 58 1	302-5	Grease Fitting	35 34 2
237-30	O-Ring	9 4 1	302-10	Fitting-Grease	9 10 1
237-30	O-Ring	12 13 3	302-10	Fitting-Grease	30 47 1
237-30	O-Ring	8 13 1	302-11	Fitting	19 15 3
237-30	O-Ring	22 59 1	302-33	Grease Fitting	35 28 2
237-42	O-Ring	25 31 2	302-55	Fitting-Grease	26 1 2
237-42	O-Ring	28 2 2	302-55	Grease Fitting	27 1 2
237-42	O-Ring	22 57 2	304-46	Draincock	6 22 1
237-78	O-Ring	25 32 2	304-73	Fitting-Straight Barb	25 2 1
237-78	O-Ring	19 12 1	304-75	Fitting-90° Barb	25 20 1
237-80	O-Ring	21 30 1	321-2	Screw-HH	21 26 2
237-80	O-Ring	23 33 1	321-4	Screw-HH	29 18 1
237-81	O-Ring	21 32 3	321-4	Screw-HH	21 27 2
237-86	O-Ring	23 7 4	321-4	Screw-HH	10 72 1
237-95	O-Ring	23 41 1	321-6	Screw-HH	29 24 2
241-119	Cap-Dust	19 32 2	321-6	Screw-HH	15 25 1
242-34	Axle Flange Stud	18 9 10	321-6	Screw-HH	21 47 2
242-50	Nut-Wheel	19 31 10	321-6	Screw-HH	6 51 1
249-21	Hook Clamp	1 14 3	321-23	Screw-HH	25 14 5
249-40	Keeper	6 11 1	321-39	Screw-HH	29 28 2
2412-3	Clamp-Hose	6 7 4	321-39	Screw-HH	6 45 2
2412-6	Clamp	15 9 1	322-3	Screw-HH	34 1 4
2412-31	Clamp-Cable	29 20 1	322-4	Screw-HH	23 37 4
2412-34	Clamp-Hose	21 36 2	322-4	Screw-HH	12 43 1
2412-36	Clamp	12 24 2	322-5	Screw-HH	4 17 2
2412-36	Clamp-Hose	25 16 1	322-6	Screw-HH	7 57 1
2412-39	Clamp	1 24 2	322-6	Screw-HH	21 21 6
2412-39	Clamp	6 35 2	322-6	Screw-HH	1 33 1
2412-39	Clamp-R	32 10 1	322-8	Screw-HH	21 25 2
2412-42	Hose Clamp	34 10 2	322-12	Screw-HH	29 1 4
2412-74	Clamp	1 34 1	322-17	Screw-HH	21 8 1
2412-74	Clamp	7 58 1	323-6	Screw-HH	12 27 2
2412-96	Clamp-R	15 21 1	323-6	Screw-HH	17 46 1
2412-108	Clamp	32 9 2	323-7	Screw-HH	21 39 2
2412-108	Clamp	15 23 3	323-13	Screw-HH	11 32 1
2412-108	Clamp Hose	25 28 2	323-14	Screw-HH	6 30 3
2412-119	Clamp-Hose	32 3 2	323-14	Screw-HH	11 56 1
2412-133	R-Clamp	8 3 2	323-42	Screw-HH	11 54 1
251-8	Ball Bearing	23 46 1	323-56	Screw-HH	23 3 4
251-234	Lock Collar	9 41 2	324-4	Capscrew	35 19 2

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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.
324-11	Screw-HH	32	22	2	3250-29	Screw-PH	30	22	1
324-11	Screw-HH	35	22	2	3253-3	Washer-Lock	15	2	2
324-11	Screw-HH	30	34	2	3253-3	Washer-Lock	29	21	1
329-3	Screw-HH	33	16	2	3253-4	Washer-Lock	29	2	4
3210-7	Screw-HH	21	6	1	3253-4	Washer-Lock	1	8	2
3210-7	Screw-HH	16	19	8	3253-6	Washer-Lock	35	7	2
3212-17	Screw-HH	30	29	1	3253-12	Washer-Lock	29	17	1
3217-5	Nut	29	22	1	3253-17	Washer-Lock	15	41	1
3217-6	Nut	1	10	2	3253-21	Washer-Lock	11	29	4
3217-6	Nut	34	11	2	3253-21	Washer-Lock	21	40	2
3217-6	Nut	4	19	2	3253-21	Washer-Lock	17	45	1
3217-7	Nut-Hex	11	28	2	3253-21	Washer-Lock	10	55	4
3217-8	Full Nut	35	8	2	3254-1	Washer-Lock	4	6	6
3217-9	Nut	17	42	2	3254-2	Washer-Lock, Int. Tooth	4	18	6
3217-16	Nut	21	48	2	3254-2	Washer-Lock	2	54	1
3217-26	Nut-Hex.	4	21	1	3254-7	Washer-Lock	9	15	1
3217-27	Nut-Hex.	4	34	2	3254-9	Washer-Lock	21	49	2
3217-29	Nut-Hex.	4	33	6	3255-5	Washer-Lock	4	20	1
3218-5	Nut-Jam	11	3	2	3255-7	Washer-Lock	21	50	3
3218-7	Nut-Jam	12	42	1	3255-8	Washer-Lock	16	2	8
3219-1	Nut	33	1	2	3255-24	Washer-Lock	4	32	5
3219-2	Nut	16	1	8	3256-2	Washer-Flat	29	3	4
3219-2	Nut	33	29	2	3256-3	Washer-Flat	21	23	4
3219-2	Nut-Hex	21	9	1	3256-3	Washer-Flat	12	28	4
3219-3	Nut	9	33	1	3256-5	Washer-Flat	17	43	2
3219-7	Nut-Hex.	9	16	1	3256-6	Washer-Flat	9	20	1
3219-14	Nut	4	5	4	3256-6	Washer-Flat	21	53	1
3219-14	Nut	15	42	1	3256-21	Washer-Flat	30	23	1
3219-14	Nut-Hex	29	10	3	3256-22	Washer-Flat	11	8	1
3220-3	Nut-Jam	11	27	1	3256-22	Washer-Flat	29	19	1
3220-3	Nut-Jam	19	42	8	3256-22	Washer-Flat	6	48	5
3220-5	Nut-Jam	11	46	1	3256-23	Washer-Flat	2	41	2
3220-5	Nut-Jam R.H. Thread	19	40	2	3256-25	Washer-Flat	35	6	1
3220-6	Nut	13	27	1	3256-26	Washer-Flat	11	40	1
3220-6	Nut-Jam	19	37	4	3256-28	Washer-Flat	9	14	4
3220-7	Nut-Jam	19	29	2	3256-41	Washer-Flat	9	36	4
3220-12	Nut-Jam L.H. Thread	19	*	2	3256-46	Washer-Flat	12	26	2
3229-1	Bolt-Carriage	1	36	5	3256-56	Washer-Flat	29	25	1
3230-1	Bolt-Carriage	11	52	2	3257-5	Key-Woodruff	9	11	3
3230-2	Bolt-Carriage	15	14	3	3257-32	Woodruff Key	21	15	1
3231-21	Bolt-Carriage	11	31	2	3257-32	Woodruff Key	23	21	1
3231-22	Bolt-Carriage	30	14	2	3257-33	Key-Woodruff	30	43	1
3231-25	Screw-Carriage	3	7	4	3258-19	Round Hd. Machine Screw	34	4	2
3231-28	Bolt-Carriage	30	10	1	3269-10	Washer	6	46	2
3234-1	Screw-HHF	6	18	2	3269-13	Rivet	6	12	2
3234-5	Screw-HHF	29	26	1	3272-5	Pin-Cotter	11	7	3
3234-6	Screw-HHF	8	19	2	3272-6	Cotter Pin	25	8	1
3234-11	Capscrew w/Locking Flange	1	23	5	3272-6	Cotter Pin	9	8	1
3234-11	Screw-Flange Lock	30	36	5	3272-6	Pin-Cotter	11	21	6
3234-11	Screw-HH	11	39	3	3272-10	Cotter Pin	35	38	6
3234-11	Screw-HHF	8	21	6	3272-10	Cotter Pin	22	54	1
3234-11	Screw-HHF	29	33	2	3272-11	Cotter Pin	35	2	2
3234-11	Screw-HHF	15	35	2	3272-11	Pin-Cotter	9	28	1
3234-11	Screw-HHF	32	39	4	3272-13	Pin-Cotter	19	33	2
3234-12	Screw-HHF	1	7	4	3272-22	Pin-Cotter	9	17	2
3234-13	Screw	19	49	2	3272-24	Cotter Pin	35	10	1
3234-14	Screw-HH	2	43	2	3272-33	Cotter Pin	35	17	1
3234-14	Screw-HHF	6	19	6	3274-47	Screw-HSFH	11	33	1
3234-17	Screw-HH	12	8	2	3290-134	Screw Machine Hex. Hd.	4	25	4
3234-17	Screw-HHF	8	16	4	3290-144	Screw-HH	2	53	4
3234-18	Screw-HHF	31	56	1	3290-144	Screw-Machine	1	15	6
3234-24	Screw-HHF	3	4	2	3290-224	Washer-Pyramidal	31	55	1
3234-24	Screw-HHF	6	36	2	3290-271	Rivet	6	10	4
3234-25	Screw-HHF	3	5	10	3290-357	Nut-Lock, Flange	30	2	12
3234-32	Screw-HHF	19	3	6	3290-357	Nut-Lock, Flange	32	14	5
3241-5	Screw-Sq. Hd. Set	31	52	2	3290-357	Nut-Lock, Flange	29	15	2
3241-5	Square Hd. Set Screw	21	16	2	3290-357	Nut-Lock, Flange	8	22	6
3246-1	Screw-Set	9	46	2	3290-357	Nut-Lock, Flange	1	25	5
3246-3	Screw-Set	9	29	4	3290-360	Screw Machine Hex. Hd.	4	26	1
3249-11	Screw-Round Hd. Mach.	21	1	2	3290-378	Cable Tie	1	21	2

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# TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
3290-379	Cable Tie	4 24 A/R	32128-23	Nut-Lock, Flange	19 2 4
3290-379	Cable-Tie	31 58 A/R	32128-23	Nut-Lock, Flange	30 44 2
3290-379	Tie-Cable	12 16 A/R	32128-25	Nut-Flange Lock	11 53 2
3290-379	Tie-Cable	6 31 A/R	32128-33	Nut-HHF	29 8 4
3296-2	Nut-Lock	1 17 9	32128-33	Nut-Lock, Flange	6 39 2
3296-5	Nut-Lock	33 23 1	32128-37	Nut-Lock, Flange	32 19 2
3296-6	Nut-Lock	9 34 1	32128-37	Nut-Lock, Flange	30 45 2
3296-12	Nut-Lock	4 29 5	32128-42	Nut-Flange	35 27 4
3296-16	Nut-Lock	6 47 1	32128-43	Nut-HF	11 55 2
3296-16	Nut-Lock	10 74 1	32128-48	Nut-Hex Flange	30 32 1
3296-20	Nut-Lock	29 12 1	32136-2	Nut	35 3 2
3296-20	Nut-Lock	12 30 4	32144-10	Screw-HWHTF	12 6 6
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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 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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