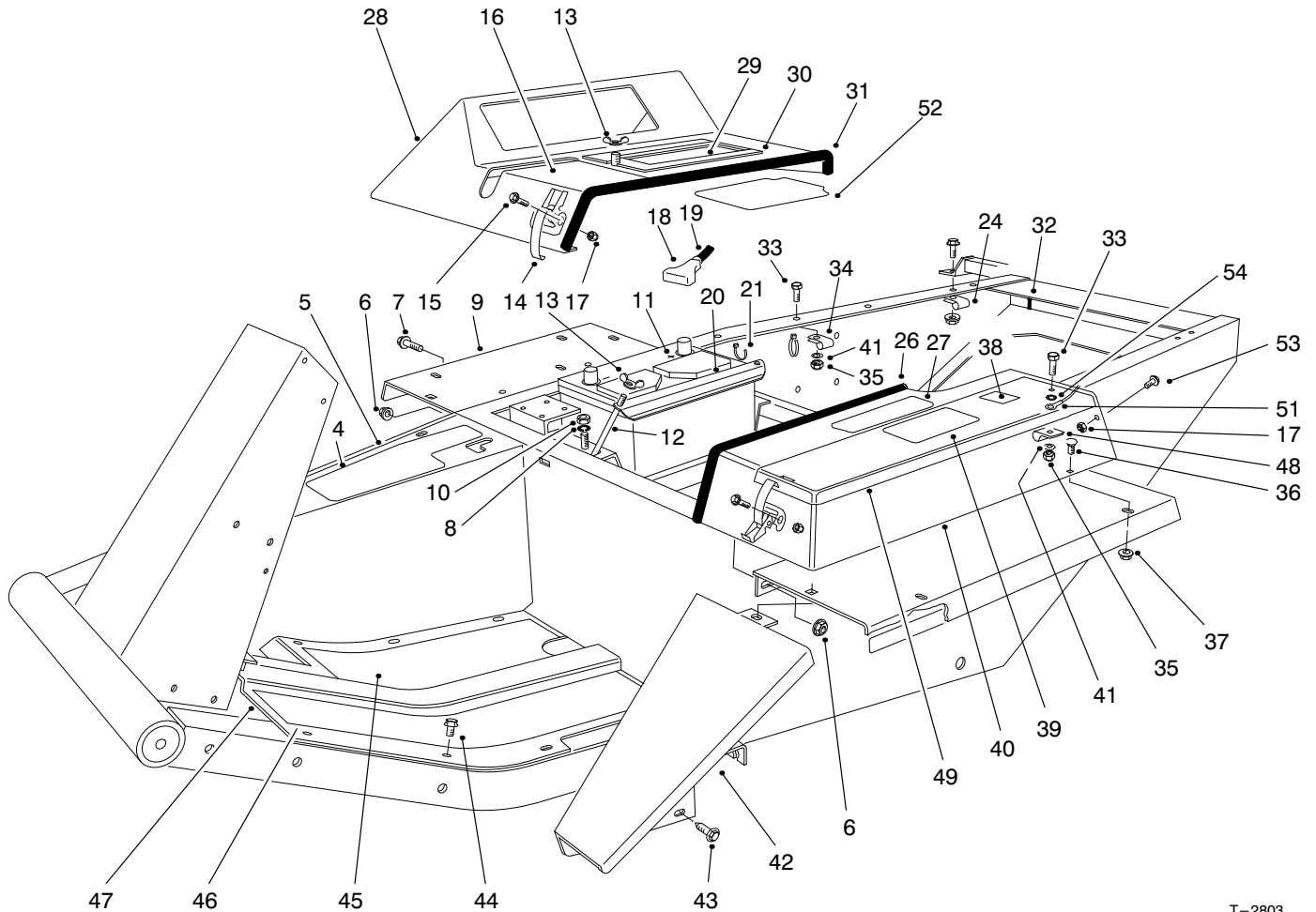




MODEL NO. 30789-80248 & UP

PARTS
CATALOG

GROUNDMASTER® 345 TRACTION UNIT



T-2803

MAIN FRAME ASM

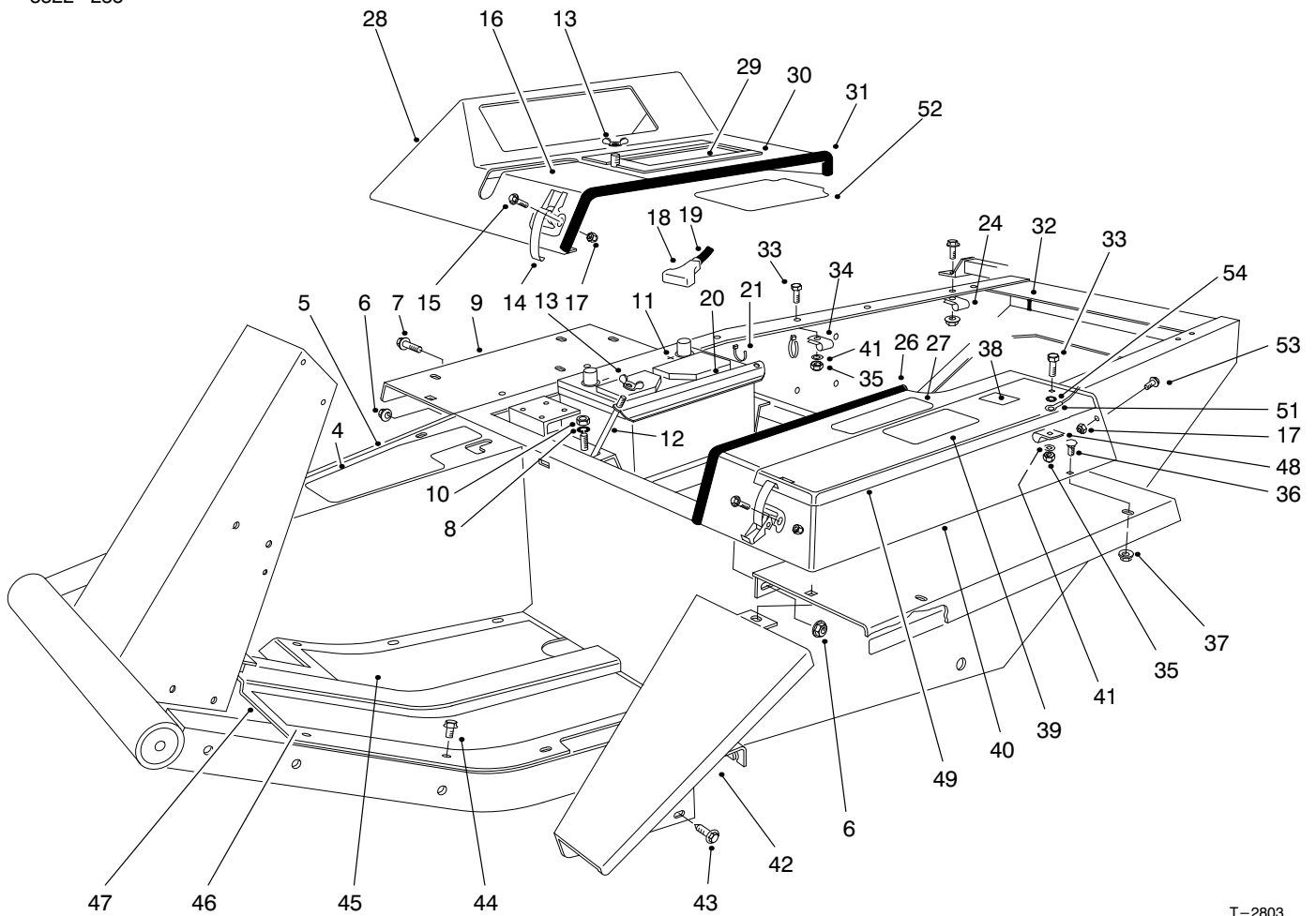
Ref. No.	Part No.	Description	No. Used
4	66-6390	Decal-Caution	1
5	21-2660	Footrest	1
7	3234-12	Screw-HHF	4
8	3253-4	Washer-Lock	2
9	72-3690	Fender	2
10	3217-6	Nut	2
11	55-7290	Battery (Group Size 24)	1
12	24-6390	Stud-Battery Hold Down	2
13	32103-2	Nut-Wing	2
14	249-21	Hook Clamp	3
15	3290-144	Screw-Machine	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	323-7	Screw-HH	1
34	2412-74	Clamp	1
35	3296-39	Nut-Lock	2
36	3229-1	Bolt-Carriage	5

© The TORO Company - 1998
All Rights Reserved

TPS

† Obtain Locally

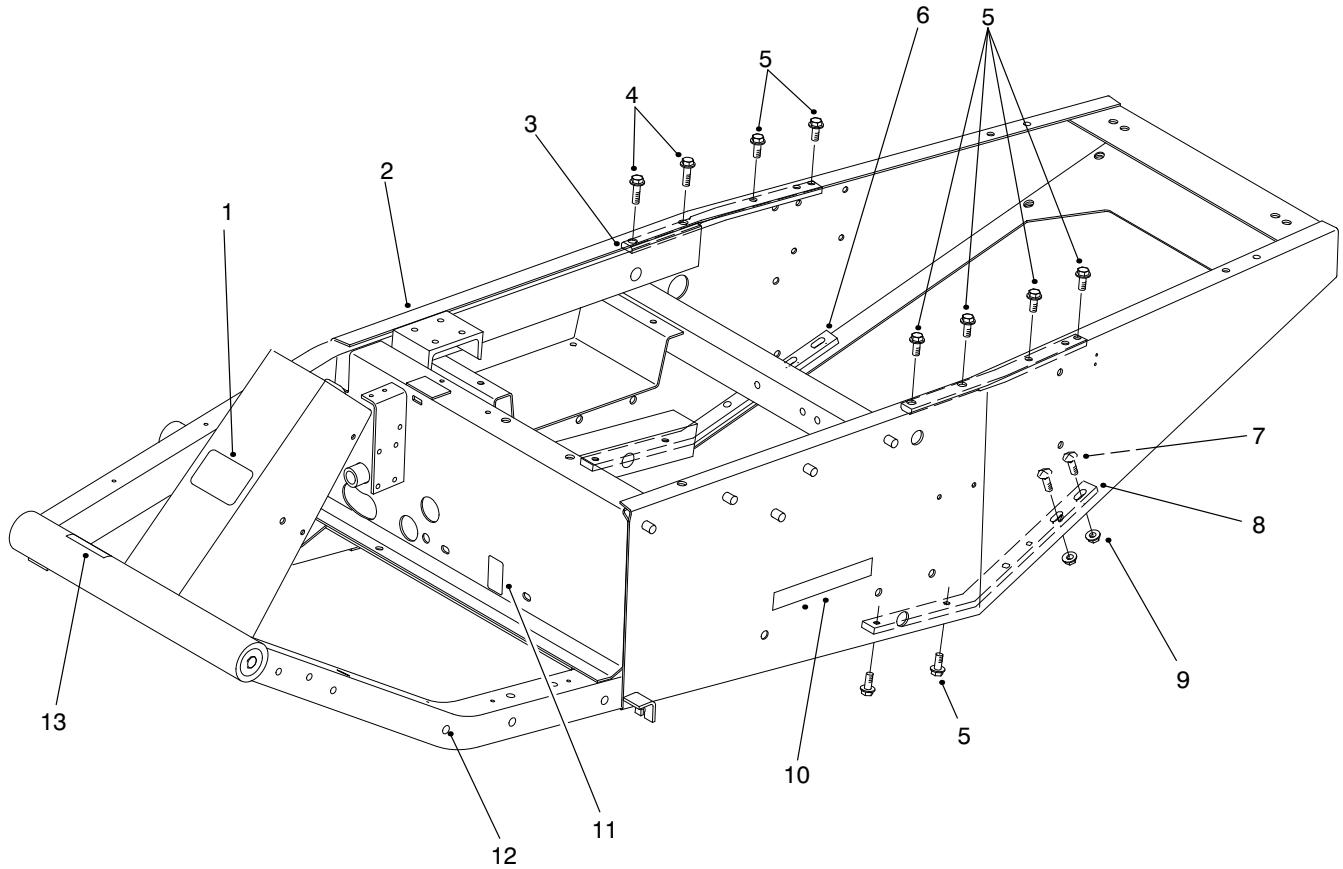


T-2803

MAIN FRAME ASM (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	3256-24	Washer-Flat	1
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 RH	1

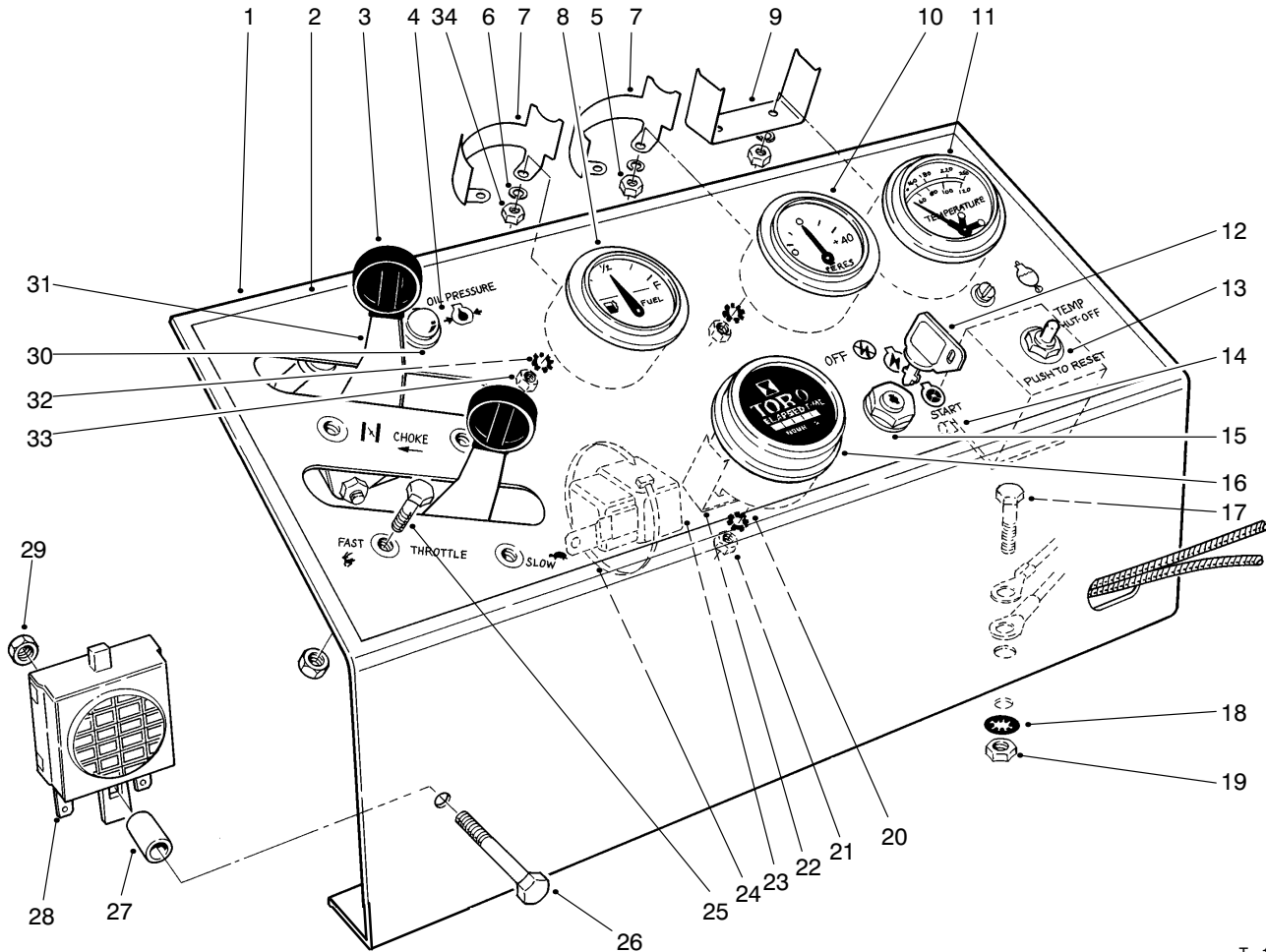
Ref. No.	Part No.	Description	No. Used
46	21-2760	Pad-Foot Rest LH	1
47	88-0070	Floor Plate	1
48	98-3883	Clamp-Wire	1
49	93-3184	Cover (Incl. Ref. # 39)	1
51	18-2770	Cable-Ground	1
52	92-7801	Shield-Cover, Battery	1
53	3290-144	Screw-HH	4
54	3254-6	Washer-Lock	1



T-2802

MAIN FRAME ASM (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



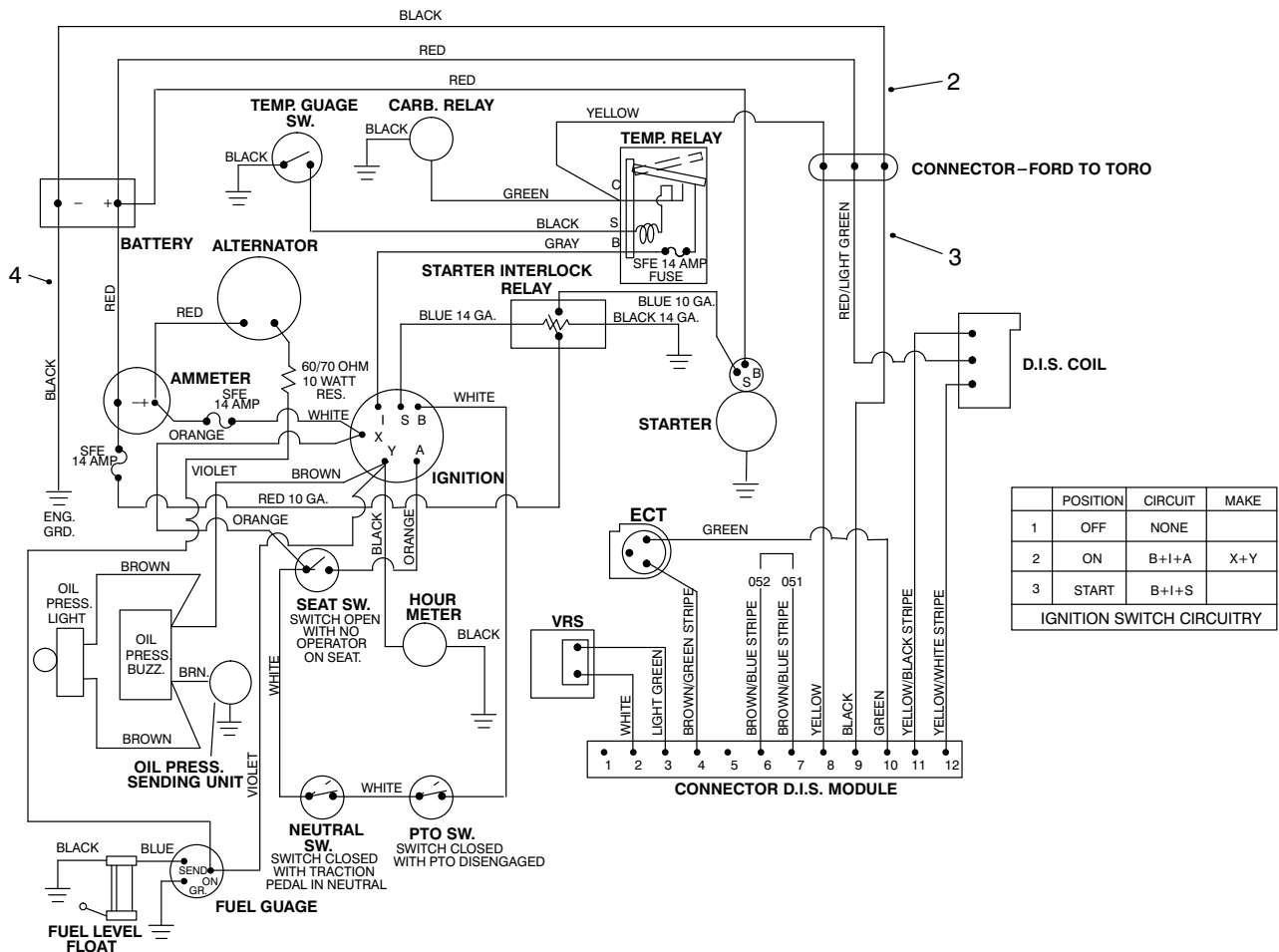
T-1175-1

INSTRUMENT PANEL ASM

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



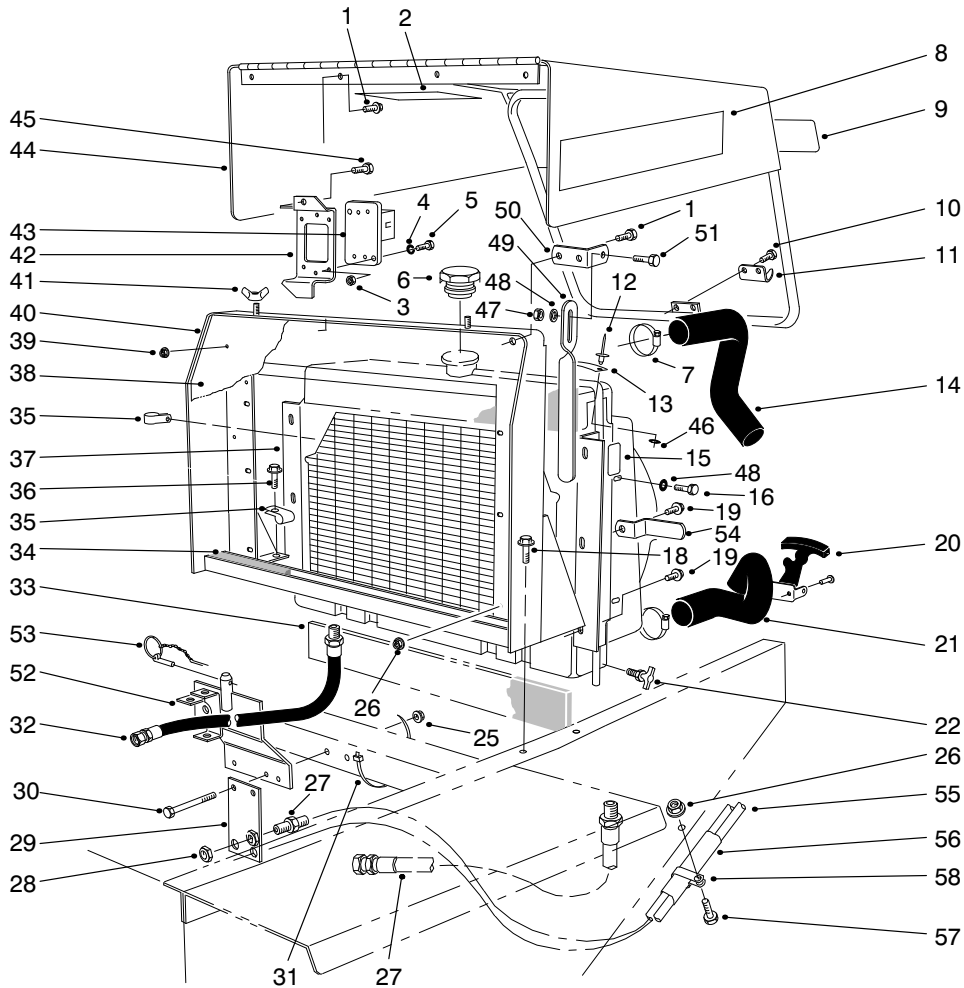
T-0915-1

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.



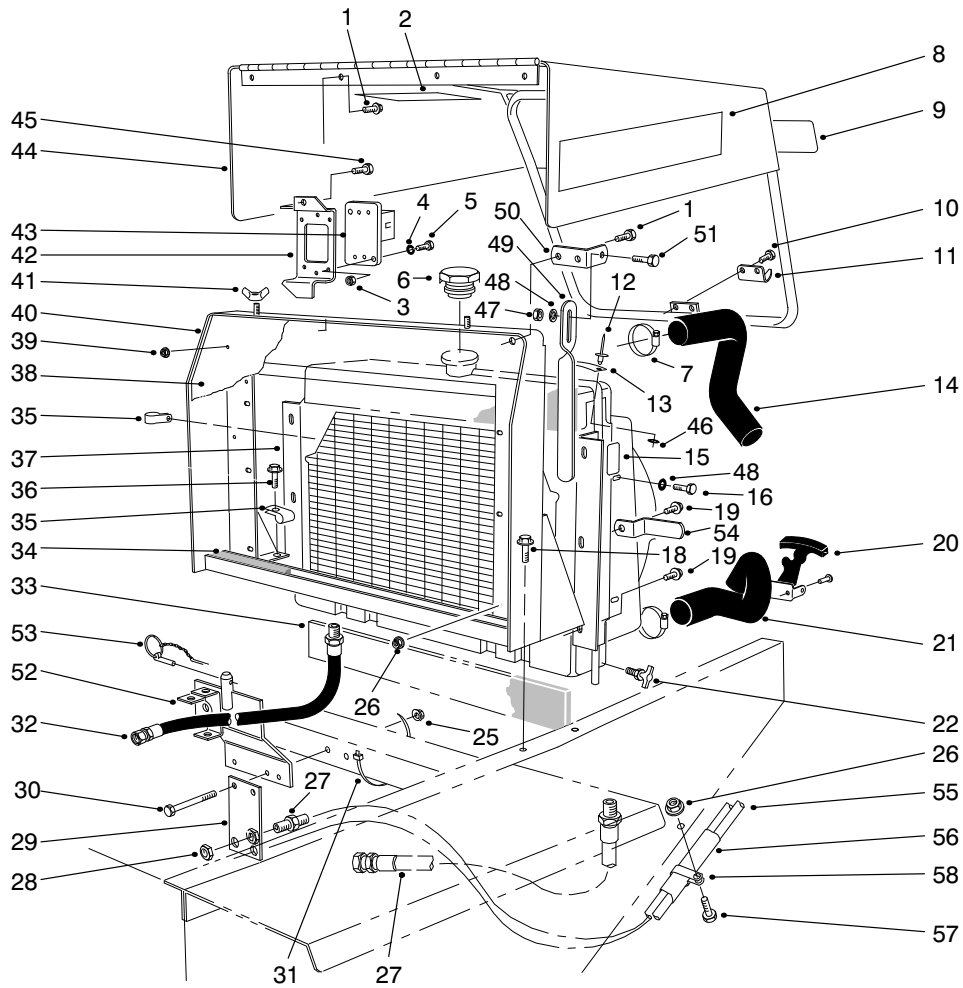
T-0916-4

RADIATOR & HOOD ASM

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	3234-25	Screw-HHF	1
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

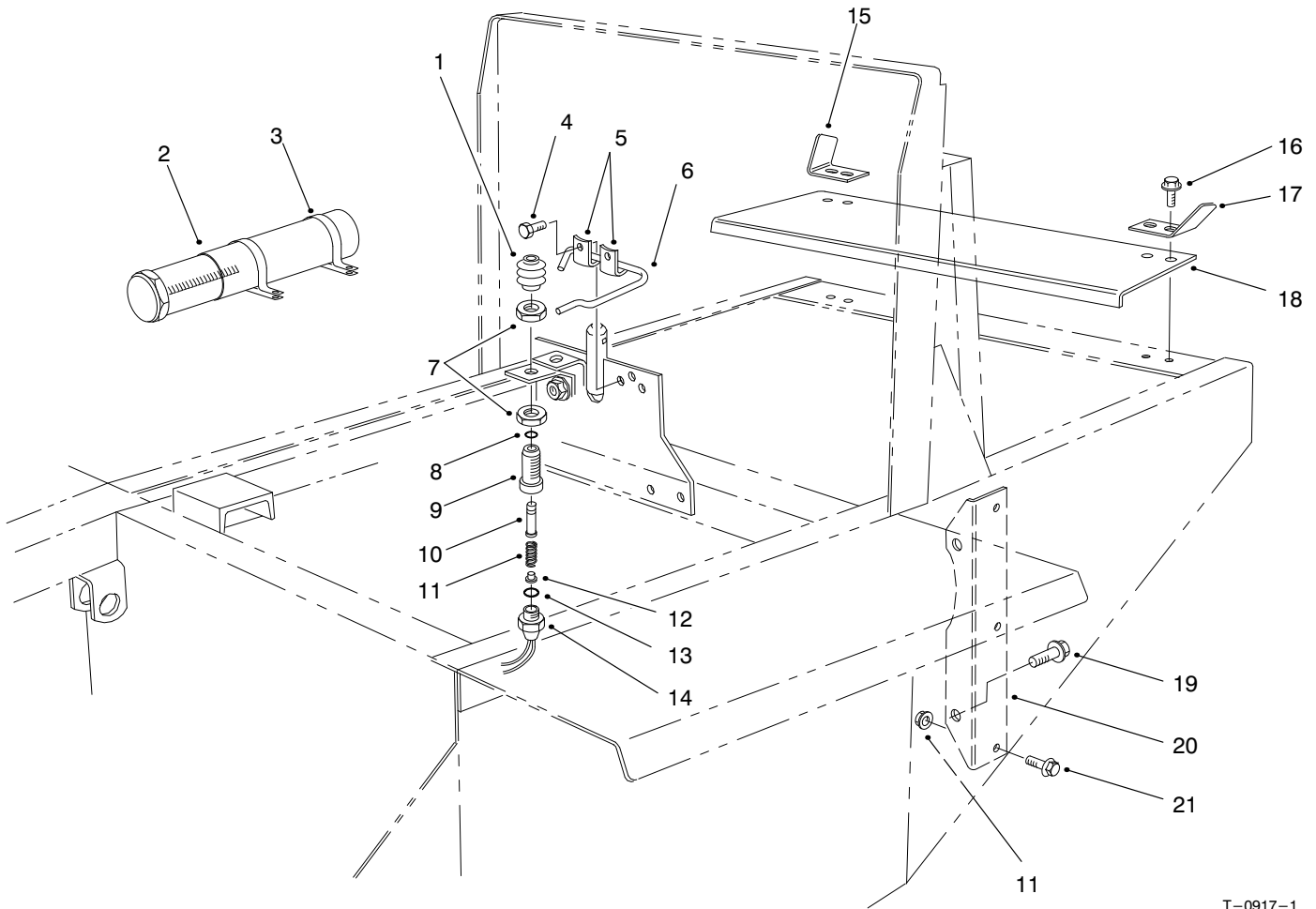
†Obtain from your local Ford Power Products Dealer.



T-0916-4

RADIATOR & HOOD ASM (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	2412-147	Clamp	1
55	68-9710	Hose-Steering Cylinder	2				



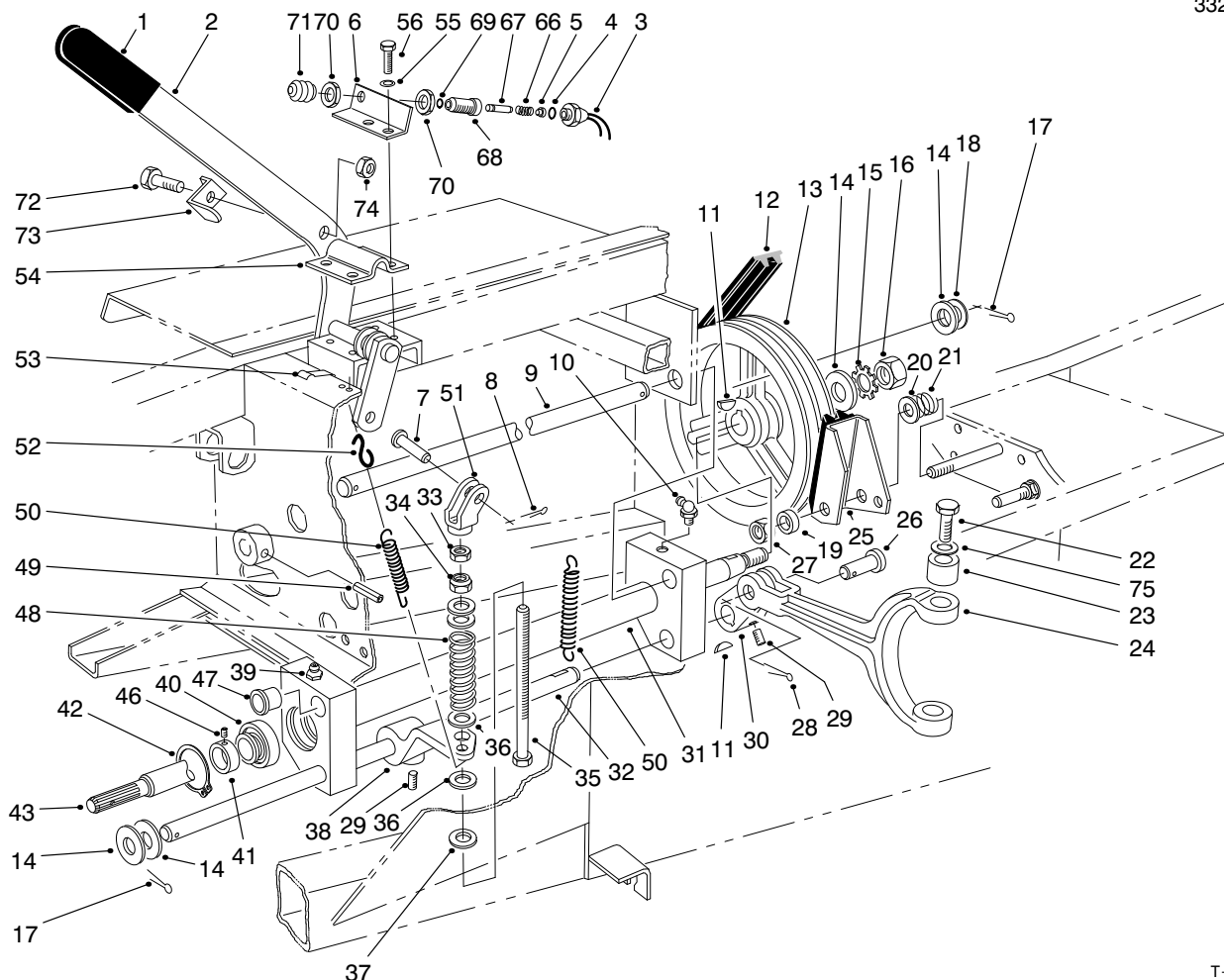
T-0917-1

INTERLOCK ASM

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-RH	1
16	3234-17	Screw-HHF	4
17	62-3020	Bracket-LH	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

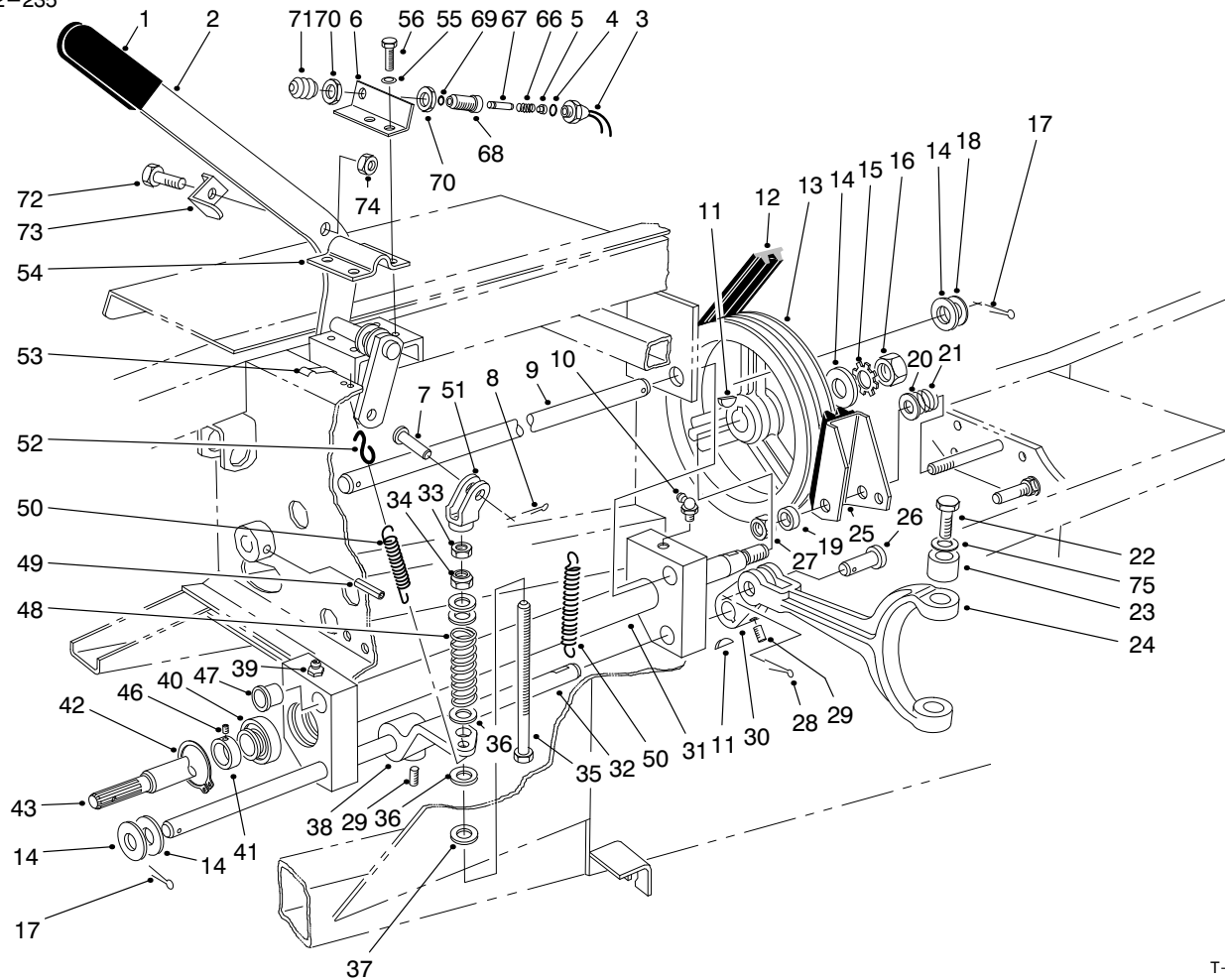
*Not Illustrated



T-0413-3

POWER TAKE OFF ASM

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-PT.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-PT.O.	1
5	43-8610	Guide-Spring & Ball Seat	1	31	43-5500	Pivot P.T.O.	1
6	84-8520	Bracket-PT.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-PT.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-PT.O. Fork	2	50	21-1830	Spring-Tension	2
24	92-4060	Fork P.T.O.	1	51	43-5630	Yoke-PT.O.	1
25	27-7370	Asm-Brake, P.T.O.	1				
26	93-3769	Clevis Pin	1				



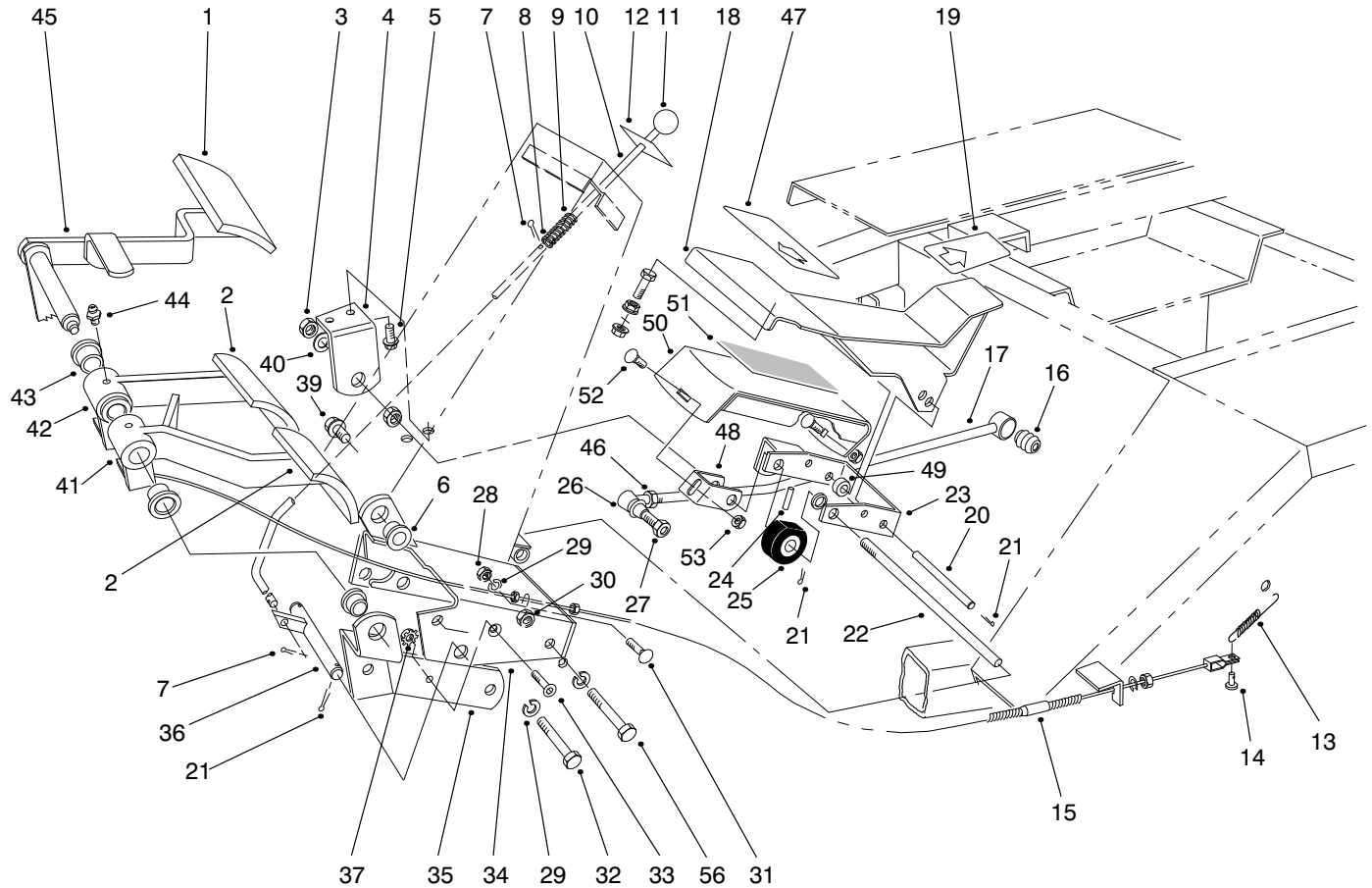
T-0413-3

POWER TAKE OFF ASM (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

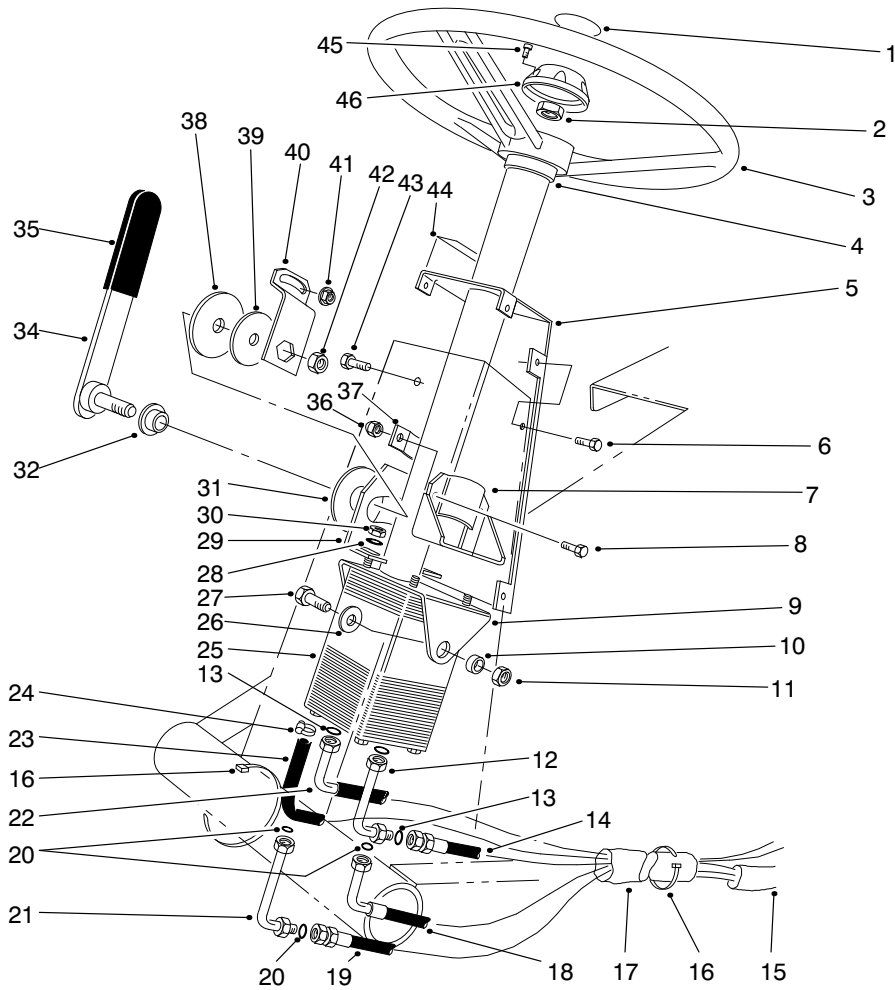


T-0415-8

BRAKE PEDAL ASM

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	93-8742	Pad-Brake	1	29	3253-21	Washer-Lock	4
2	93-8743	Pad-Turn	2	30	32153-2	Nut-Lock	2
3	3218-5	Nut-Jam	2	31	3231-21	Bolt-Carriage	2
4	21-2850	Mount-RH 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	39	3234-11	Screw-HH	3
11	233-17	Knob	1	40	3256-26	Washer-Flat	1
12	82-8930	Decal-Parking Brake	1	41	27-7490	Pedal-LH Brake (Incl. Ref. #43)	1
13	3-7243	Spring-Extension	2	42	27-7510	Pedal-RH Brake (Incl. Ref. #43)	1
14	283-58	Pin-Clevis	2	43	256-10	Bushing	4
15	21-3380	Cable-LH Brake	1	44	302-5	Fitting-Grease	2
*	21-3370	Cable-RH Brake	1	45	27-8550	Pedal-Parking Brake	1
16	23-2270	Bushing-Rubber	1	46	3220-5	Nut-Jam	1
17	23-2240	Rod-Pump Control	1	47	94-3307	Pad-Front Pedal	1
18	94-3304	Pedal-Traction	1	48	88-1680	Bracket-Footrest	1
19	94-3308	Pad-Rear Pedal	1	49	88-0470	Tube-Pedal Spacer	1
20	88-1640	Pin-Traction Pedal	1	50	88-1710	Footrest	1
21	3272-6	Pin-Cotter	6	51	88-1720	Pad-Footrest	1
22	88-1650	Shaft-Traction Pedal	1	52	3230-1	Bolt-Carriage	2
23	88-1670	Bracket-Pivot (Inc. Ref. #6)	1	53	32128-25	Nut-Flange Lock	2
24	32121-16	Pin-Roll	1	54	323-42	Screw-HH	1
25	28-5220	Wheel-Friction	1	55	32128-43	Nut-HF	2
26	21-0141	Asm-Socket RH	1	56	323-14	Screw-HH	1
27	3220-3	Nut-Jam	1				
28	3217-7	Nut-Hex	2				

*Not Illustrated

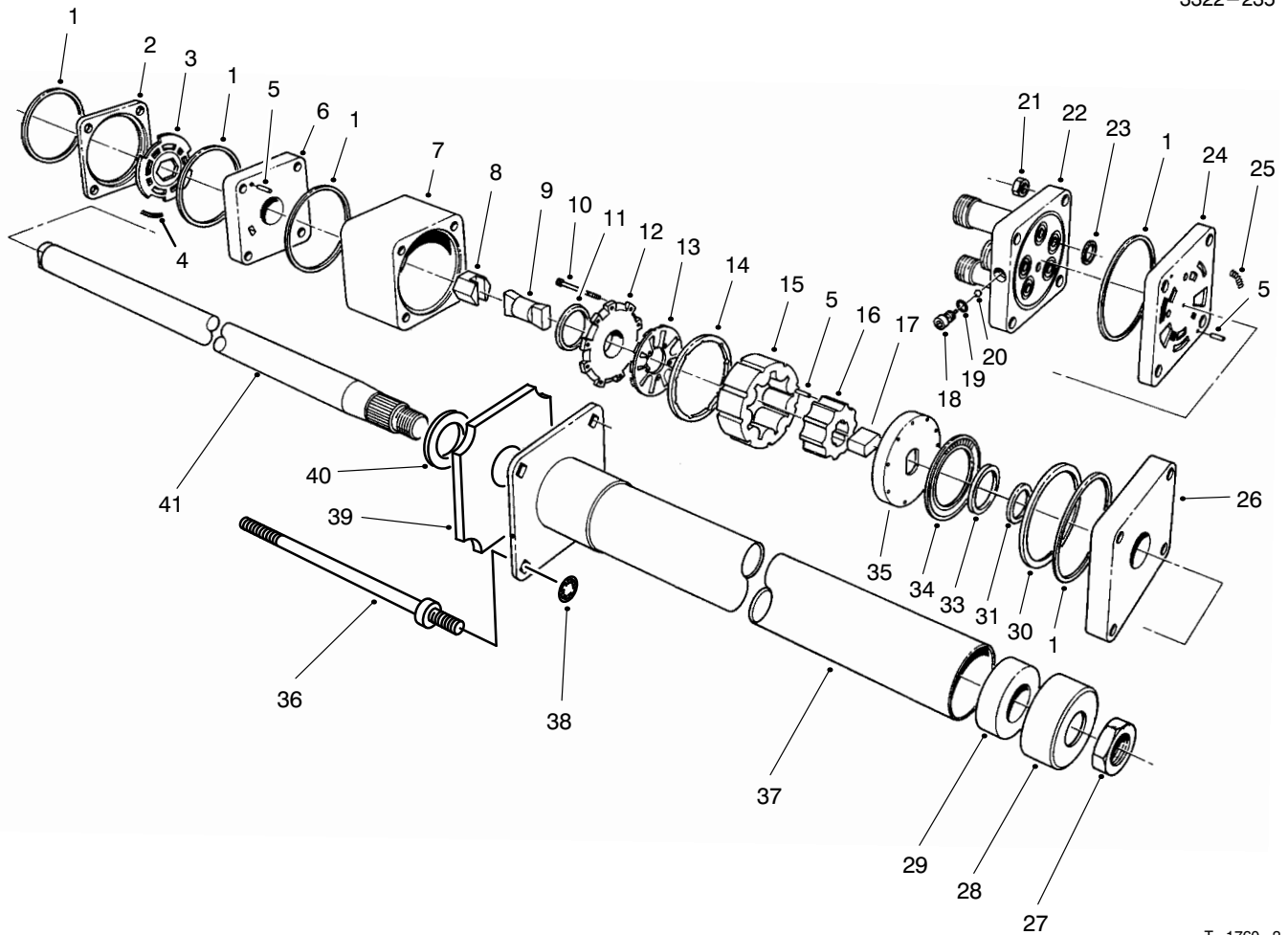


T-1187-3

POWER STEERING ASM

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



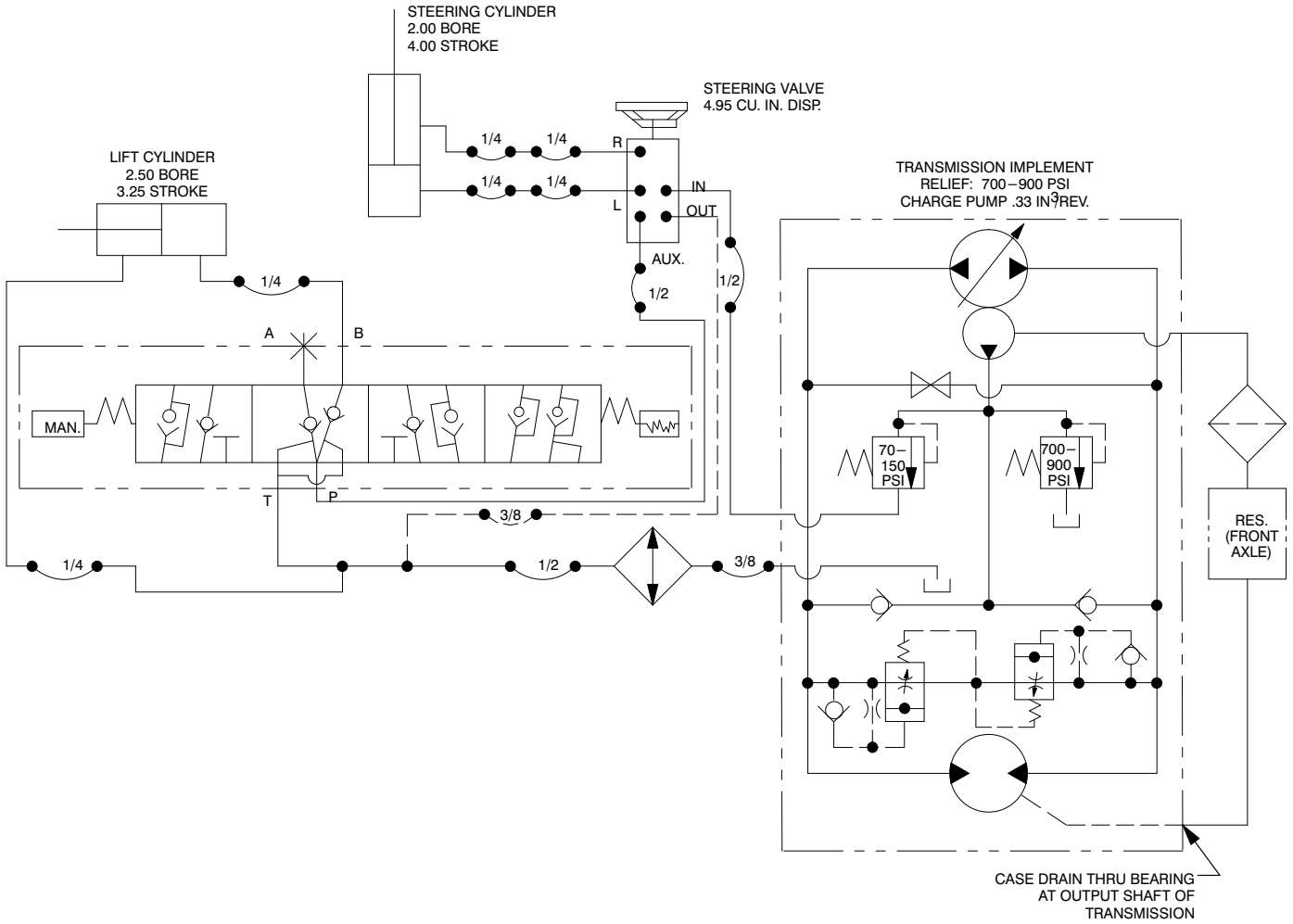
T-1760-2

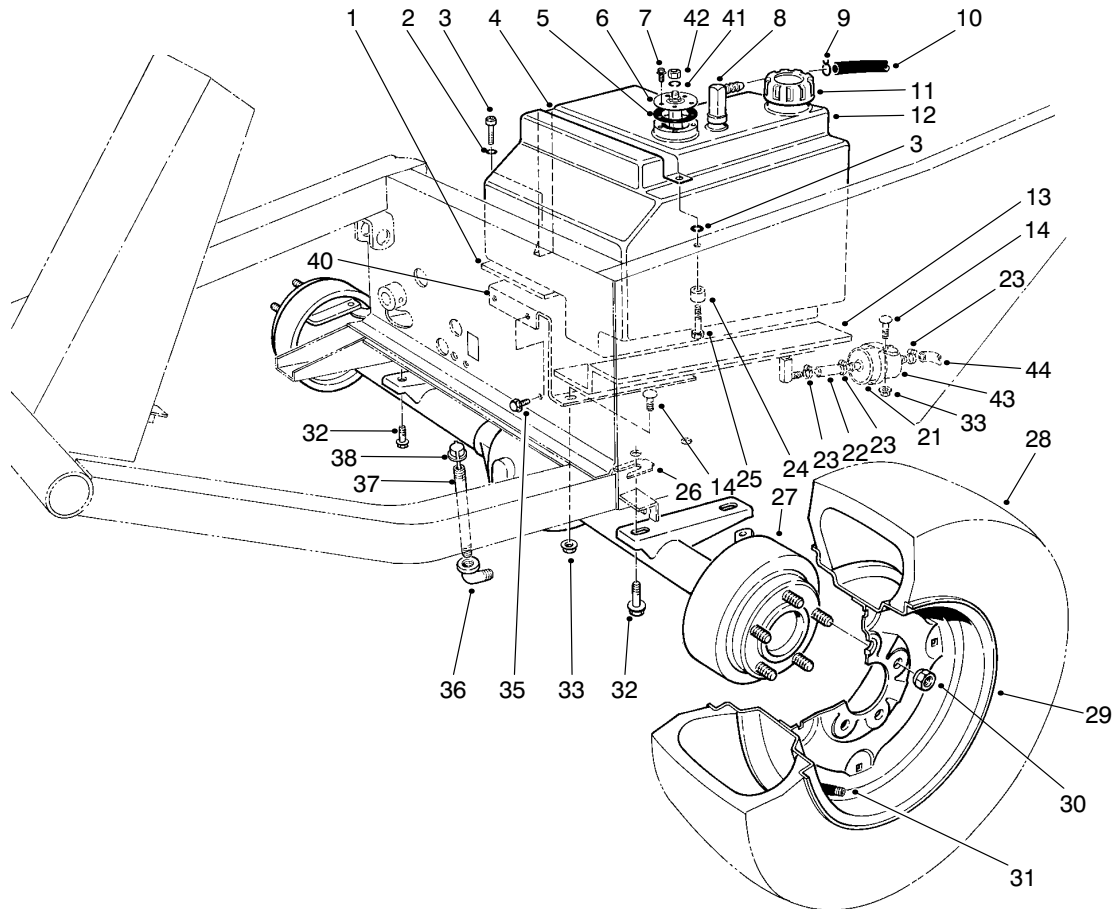
POWER STEERING & VALVE ASM NO.92-7308

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Ring-Seal	5	26		Plate-Upper Cover	1
2		Ring-Valve	1	27	3220-6	Nut	1
3		Plate-Valve	1	28	92-7315	Seal	1
4		Spring	3	29		Bearing	1
5		Pin-Alignment	9	30		Spacer-Thrust Bearing	1
6		Manifold-Isolation	1	31		Spacer-Seal	1
7		Ring-Metering	1	33		Seal-Face	1
8		Asm-Hex Drive	1	34		Bearing-Thrust	1
9		Link-Drive	1	35		Plate-Drive	1
10		Screw-HSH	11	36	92-7310	Bolt-Special	4
11		Seal-Commutator	1	37		Upper Cover & Jacket	1
12		Cover-Commutator	1	38	92-7316	Nut-Push On	4
13		Commutator	1	39	92-7317	Foam	1
14		Ring-Commutator	1	40		Washer-Retaining	1
15		Stator	1	41		Shaft-Input	1
16		Rotor	1	*	66-9970	Kit-Spring (Incl. Ref. #4 & 25)	1
17		Spacer-Drive Link	1	*	66-9980	Kit-Seal (Incl. Ref. #1, 11, 19, 23, 31 & 33)	1
18		Plug	1	*	66-9990	Kit-Needle Roller (Incl. Ref. #5)	1
19		O-Ring	1	*	92-7314	Asm-Column (Incl. Ref. #27-29 & 37-41)	1
20		Ball	1				
21		Nut-Hex	4				
22		Cover-Port	1				
23		O-Ring	5				
24		Manifold-Port	1				
25		Spring	3				

*Not Illustrated

HYDRAULIC SCHEMATIC



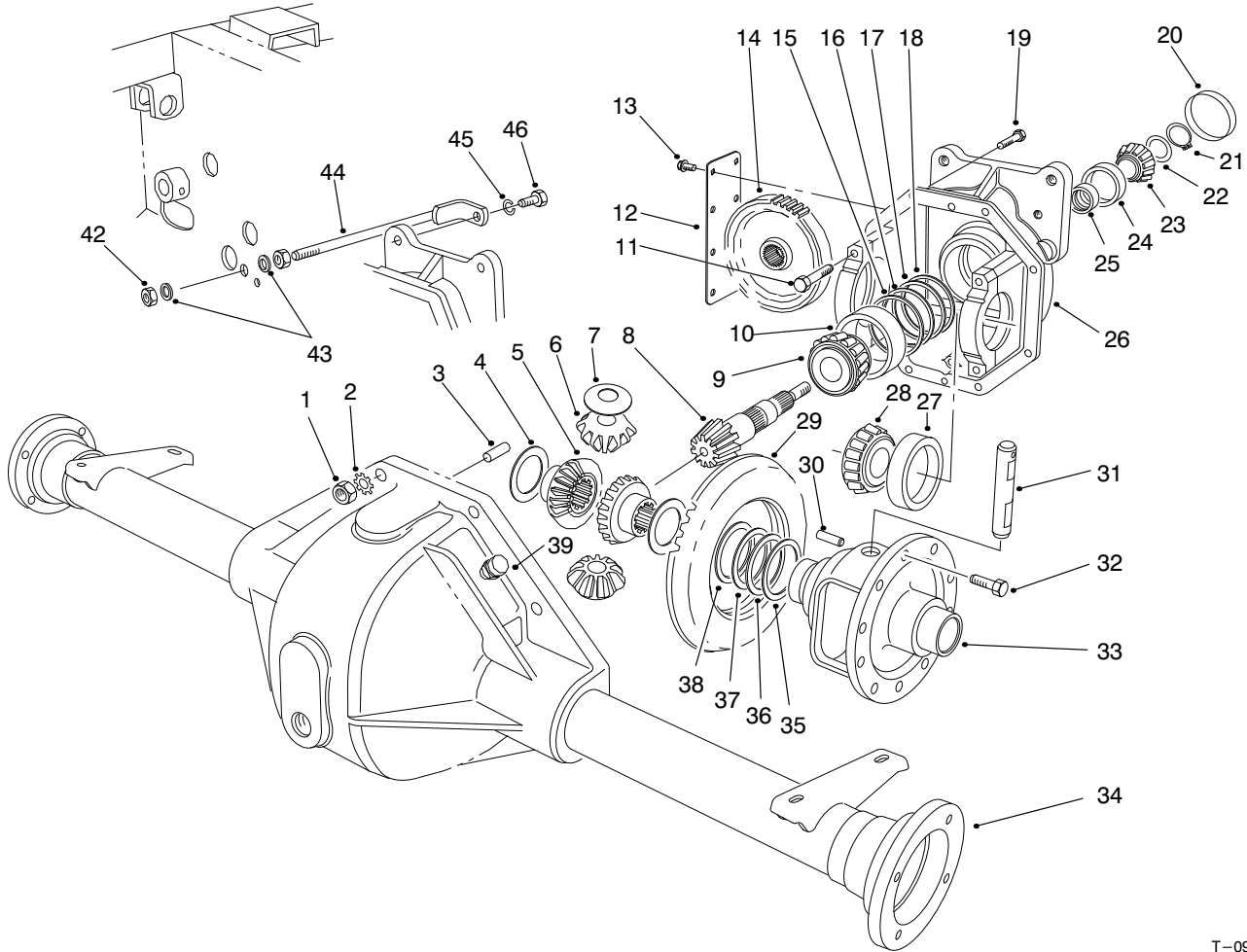


T-0218-1

FRONT AXLE & FUEL TANK ASM

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



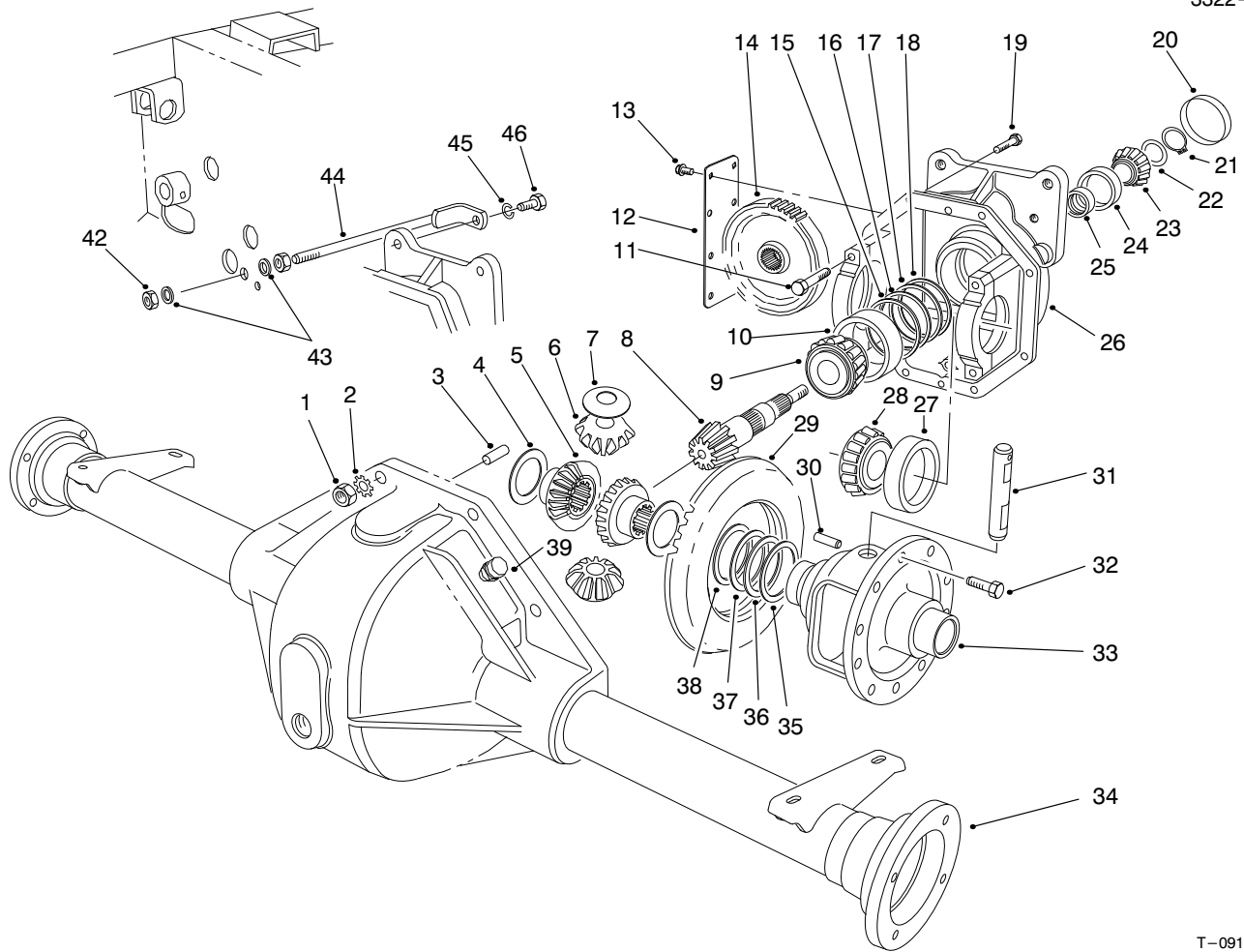
T-0919-2

FRONT AXLE ASM 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	Differential 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

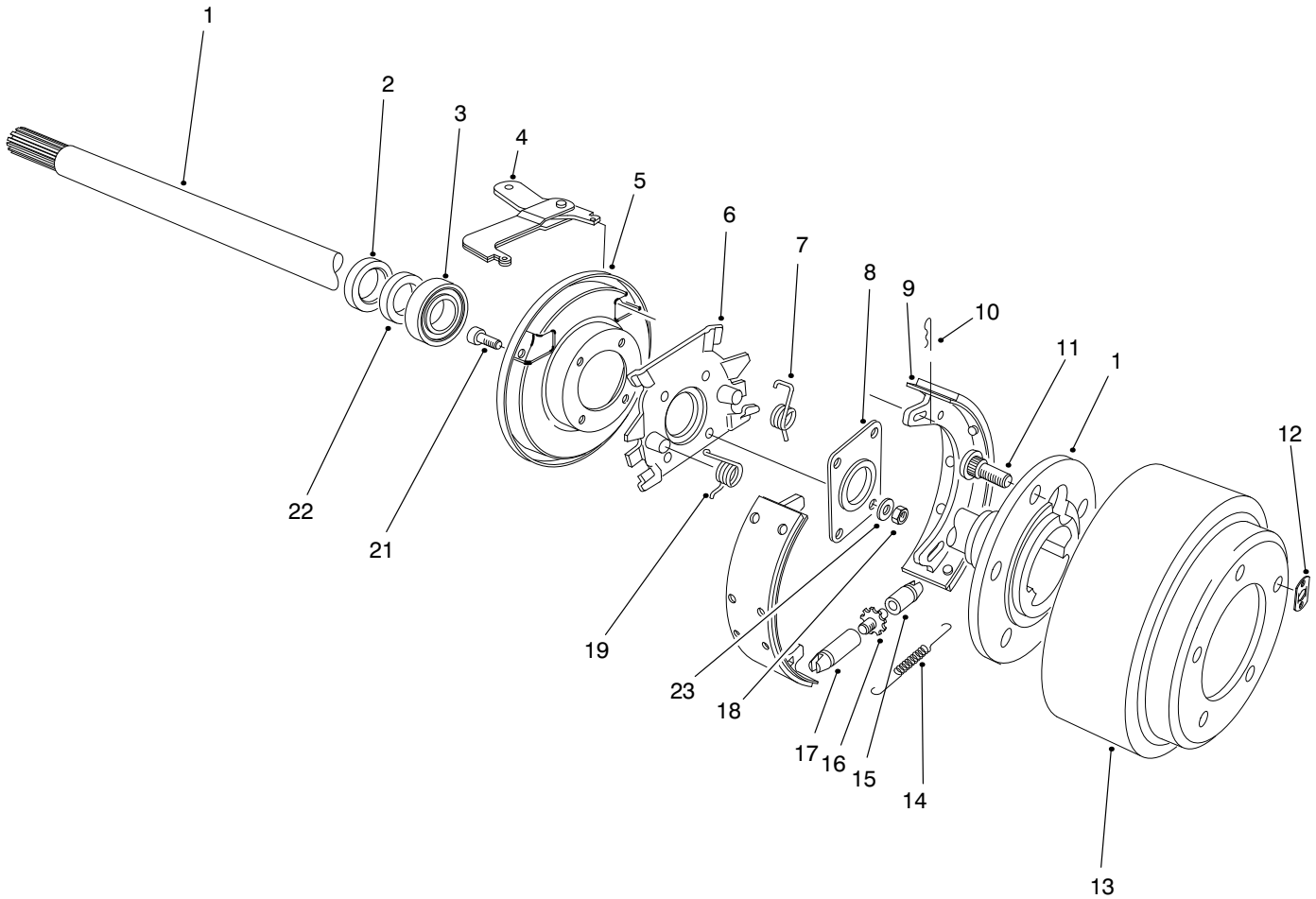


T-0919-2

FRONT AXLE ASM 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



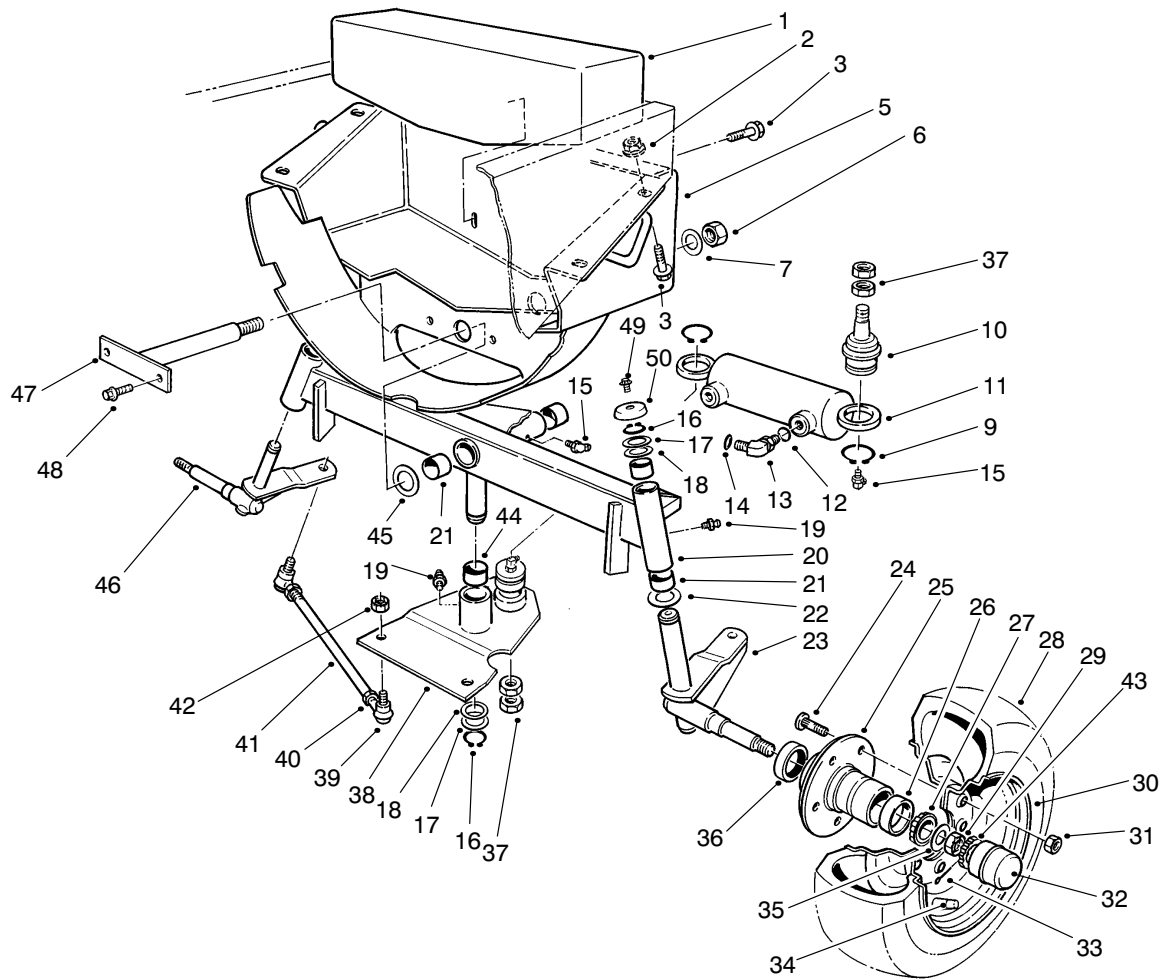
T-0421-6

BRAKE ASM

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 RH	2
8	28-0670	Oil Seal	2
9	84-8600	Asm-Shoe & Lining (Set of 4)	1
10	21-9460	Retainer-Brake Lever	4
11	242-34	Axle Flange Stud	10

Ref. No.	Part No.	Description	No. Used
12	21-8360	Clip-Retaining	2
13	28-0680	Drum-Brake	2
14	21-9440	Spring-Adjusting Screw	2
15	21-9390	Socket-Adjusting Screw	2
16	21-9370	Screw-Adjusting	2
17	21-9380	Nut-Pivot	2
18	94-6935	Nut-Lock	8
19	21-9420	Spring-Shoe Return LH	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

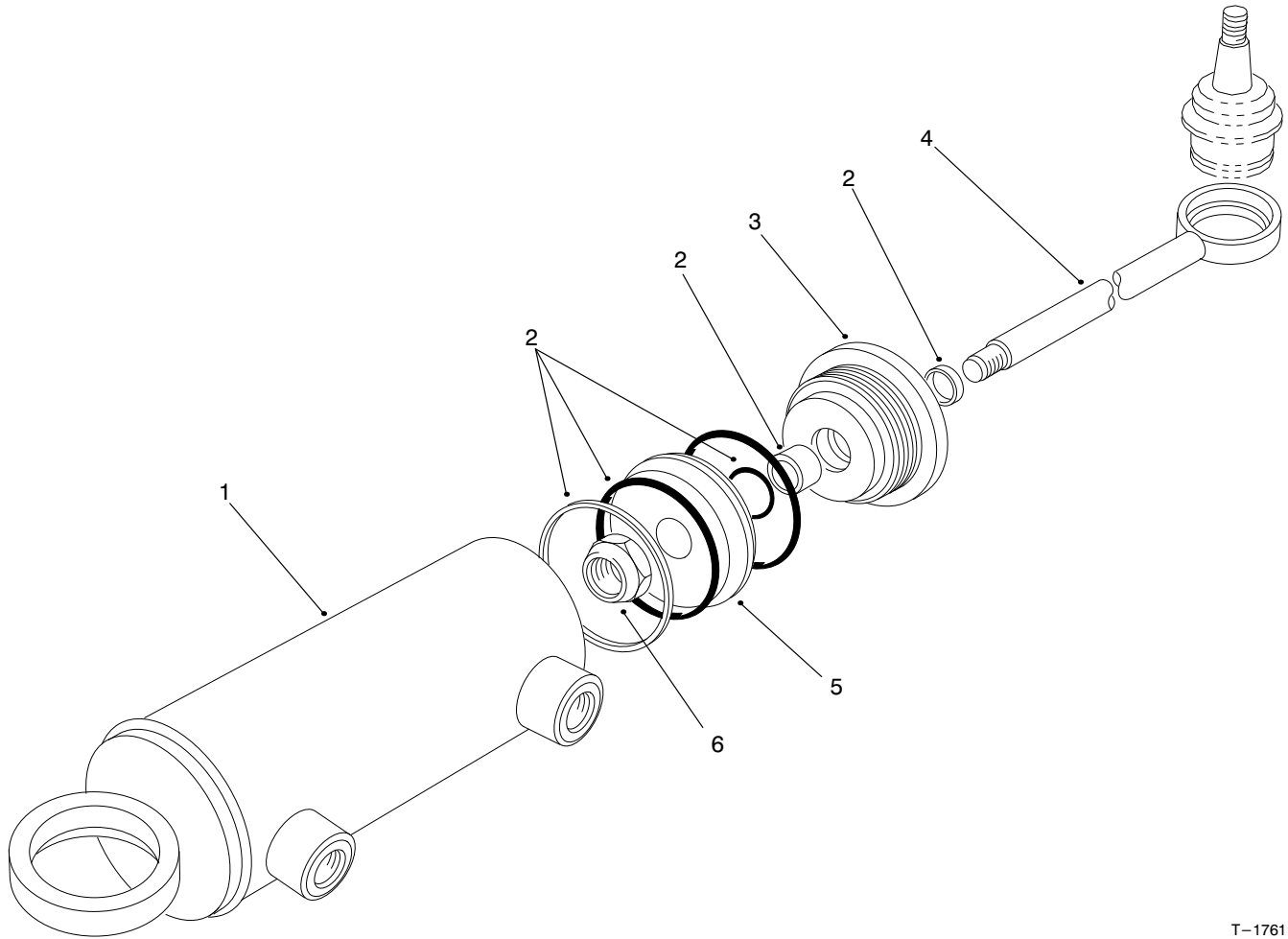


T-1759-1

REAR WHEEL & AXLE ASM

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 RH (Incl. Ref. #42)	2
14	237-22	O-Ring	1	*	21-0150	Asm-Socket LH (Incl. Ref. #42)	2
15	302-11	Fitting	3	40	3220-5	Nut-Jam RH Thread	2
16	32151-36	Ring-Retaining	3	*	3220-12	Nut-Jam LH 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 RH	1
23	93-3198	Asm-Spindle LH	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

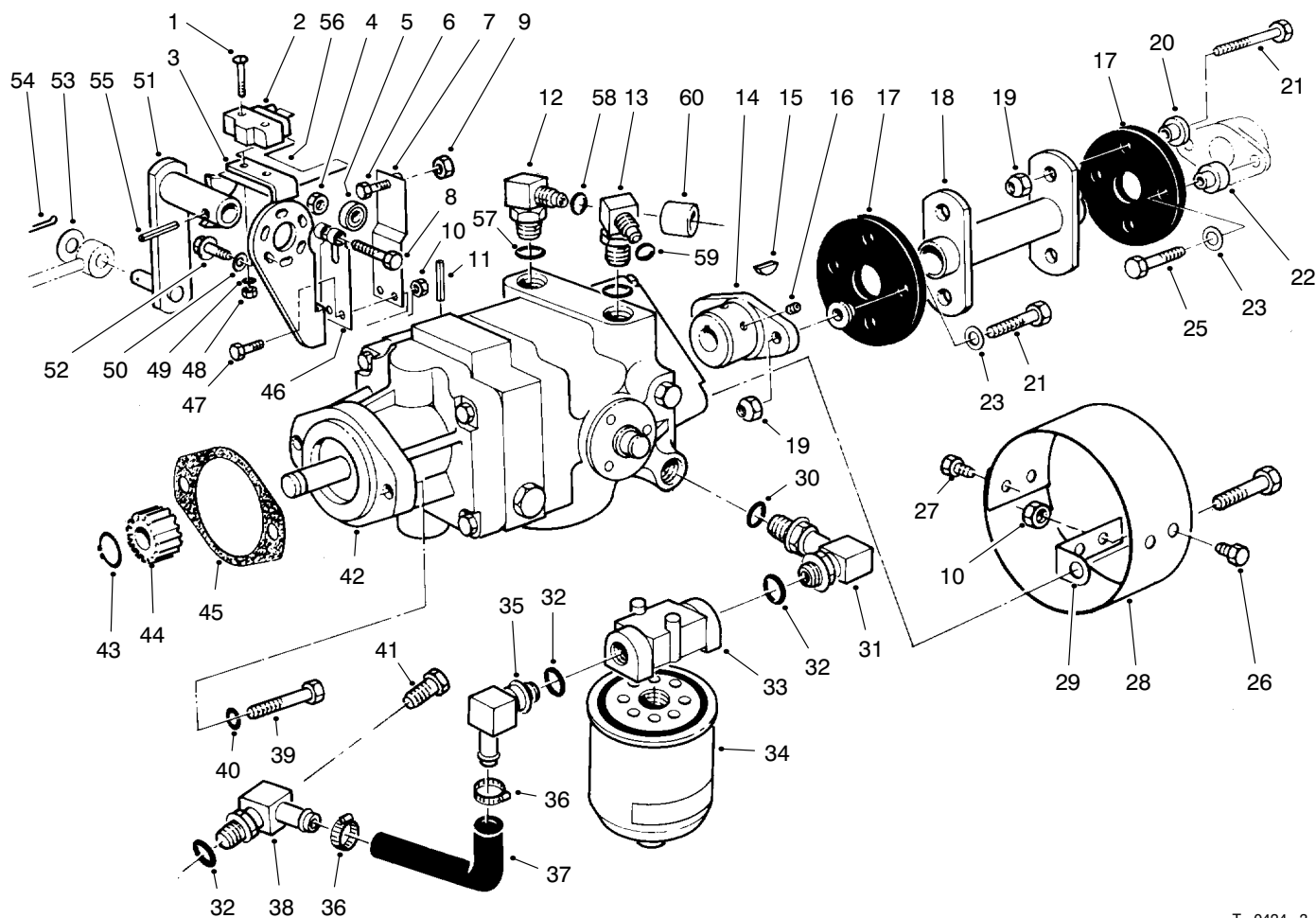


T-1761-2

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

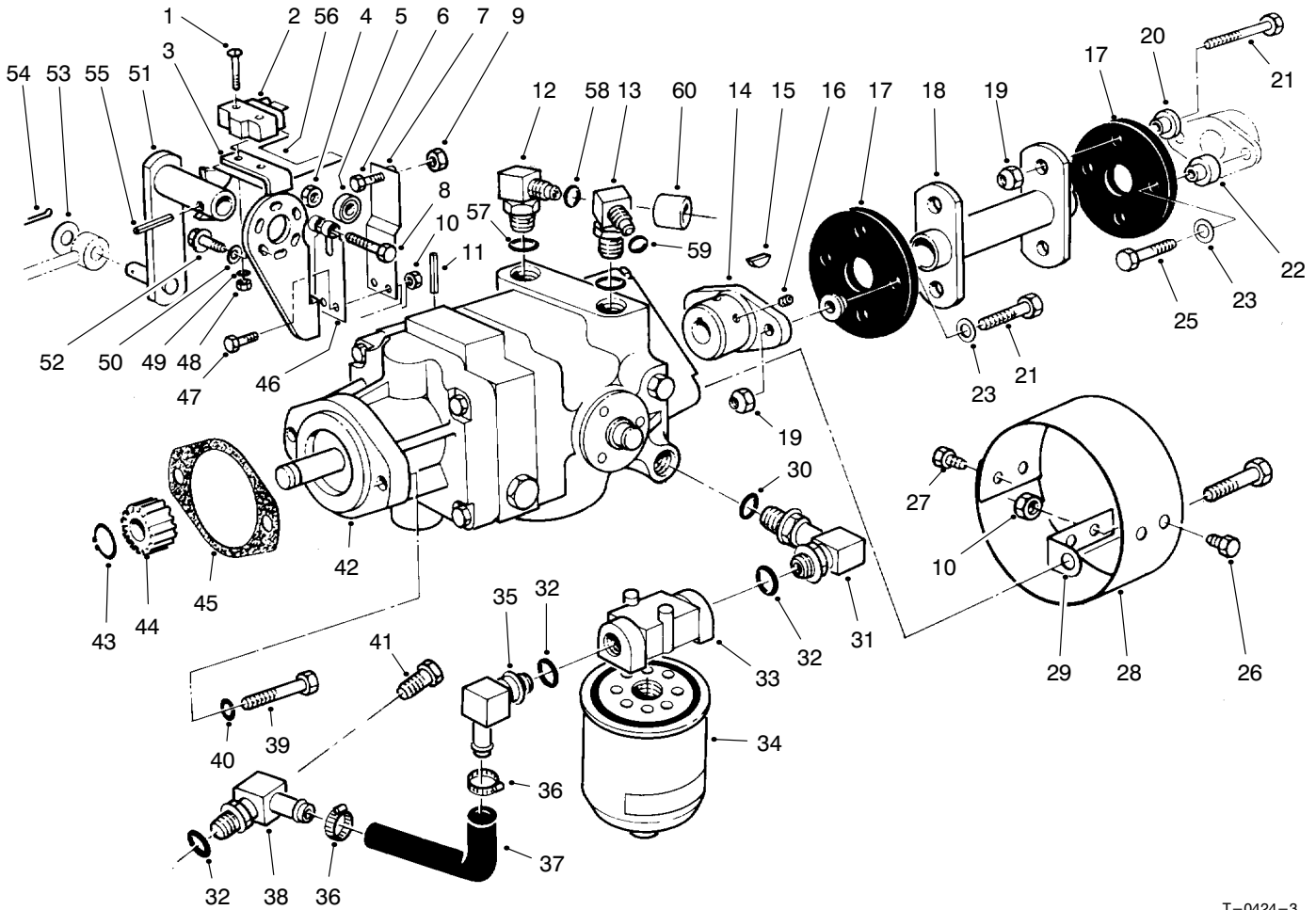
Ref. No.	Part No.	Description	No. Used
5	66-1940	Piston	1
6	66-1930	Nut-Lock	1
*	92-7828	Cylinder-Hydraulic (Incl. Ref. #1-6)	1



T-0424-3

HYDROSTATIC TRANSMISSION ASM

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



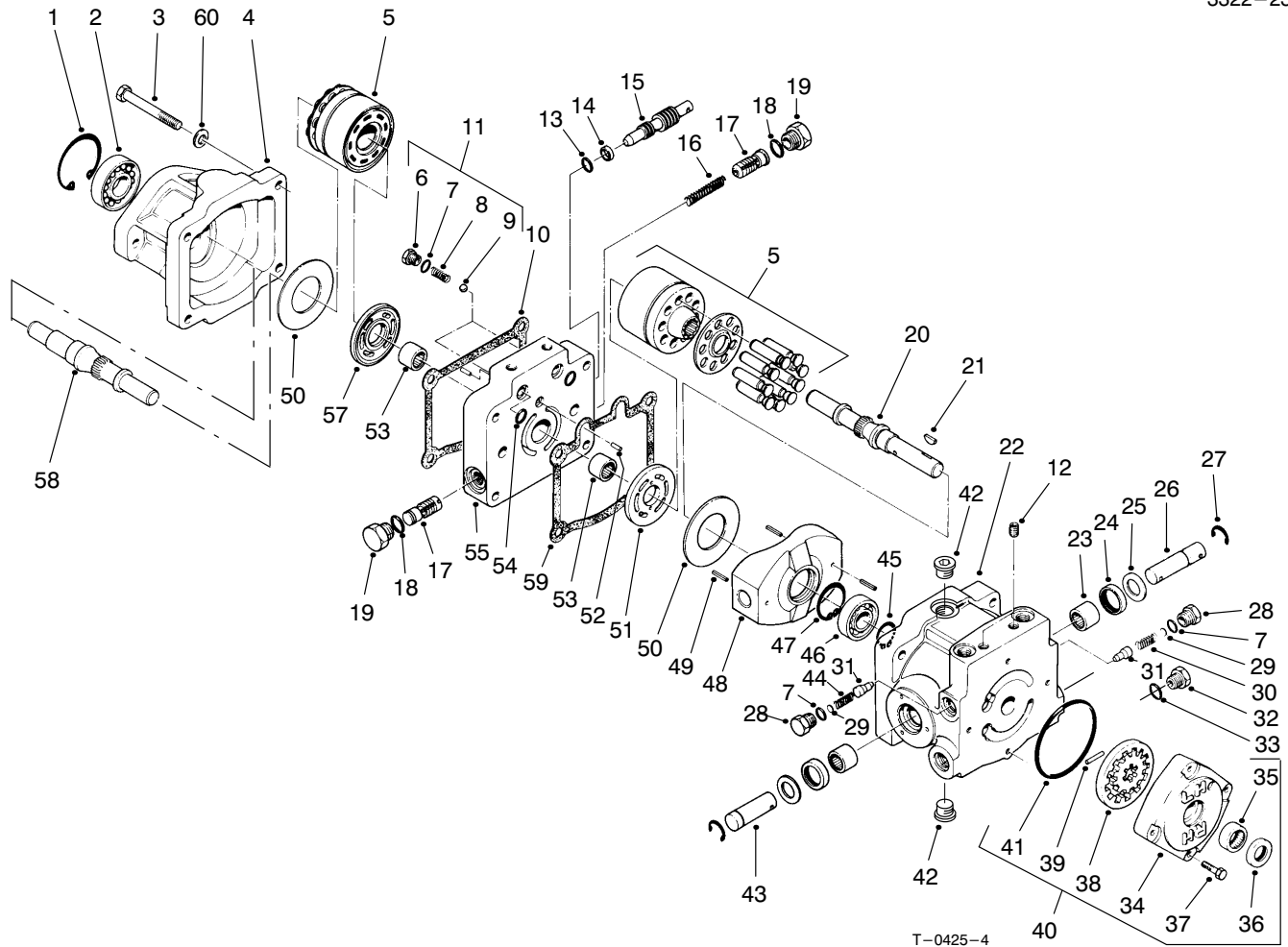
T-0424-3

HYDROSTATIC TRANSMISSION ASM (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

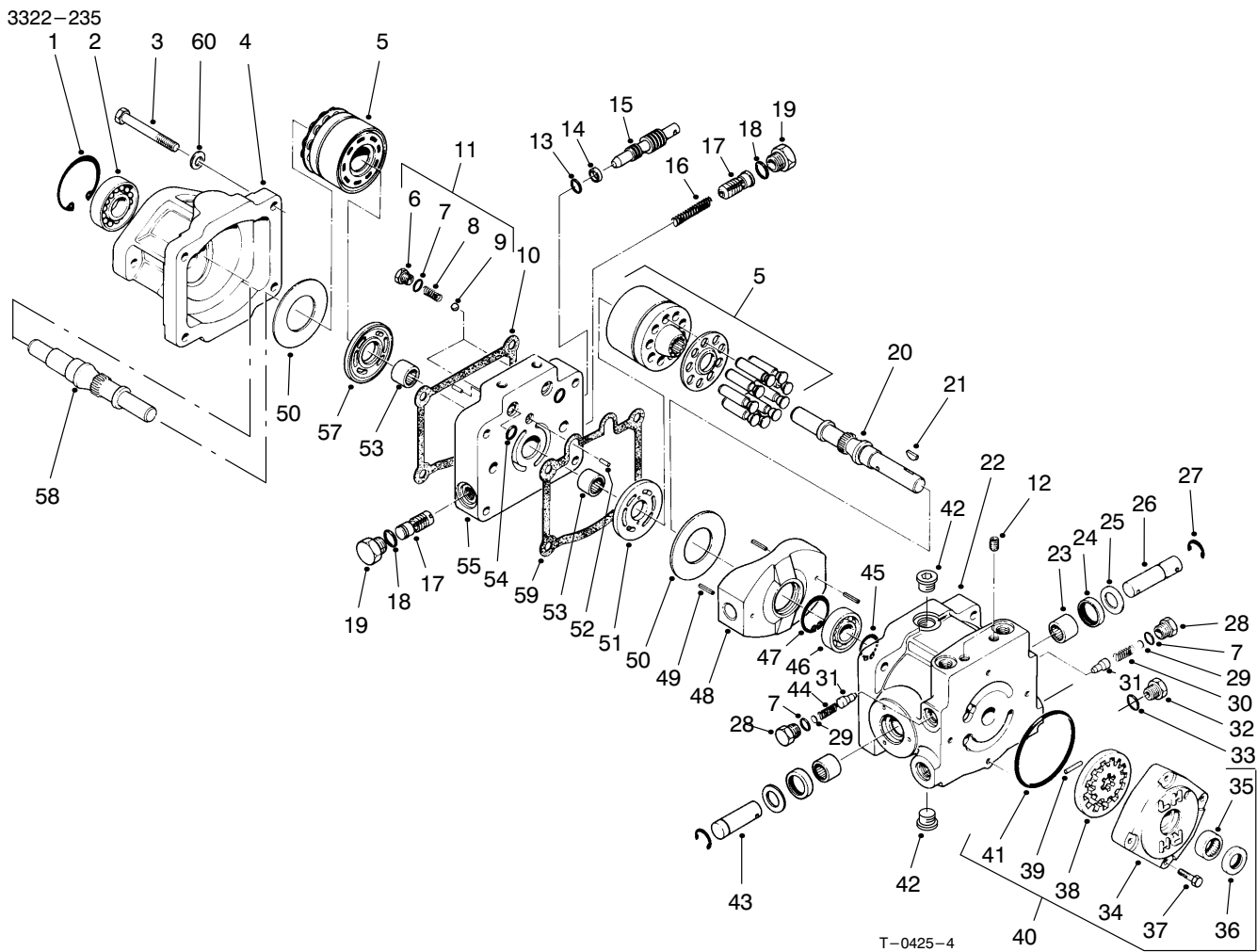
Ref. No.	Part No.	Description	No. Used
59	237-30	O-Ring	1
60	38-3400	Guard-Rubber	1
*	95-3093	Kit-400 Hour Filter (Incl. Ref. #34)	1

* Not Illustrated



TRANSMISSION ASM NO. 92-8947

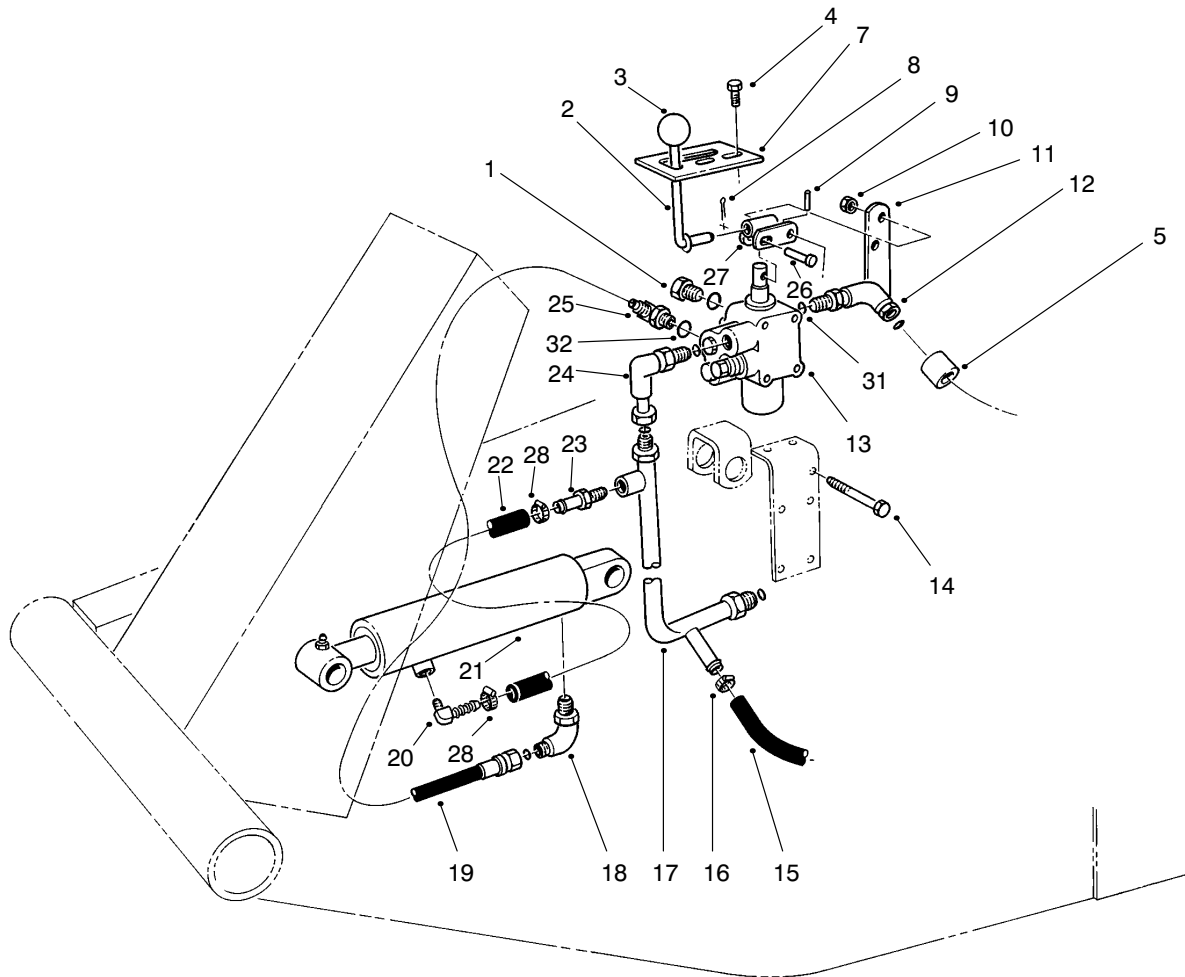
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1	27	32151-46	Retaining Ring	2
2	72-3750	Roller Bearing	1	28	25-2460	Plug-HH	2
3	323-56	Screw-HH	4	29	25-2470	Shim Pack	2
4	67-9080	Motor Housing	1	30	25-2570	Valve Spring	1
5	48-1800	Kit-Cylinder Block	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



TRANSMISSION ASM 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

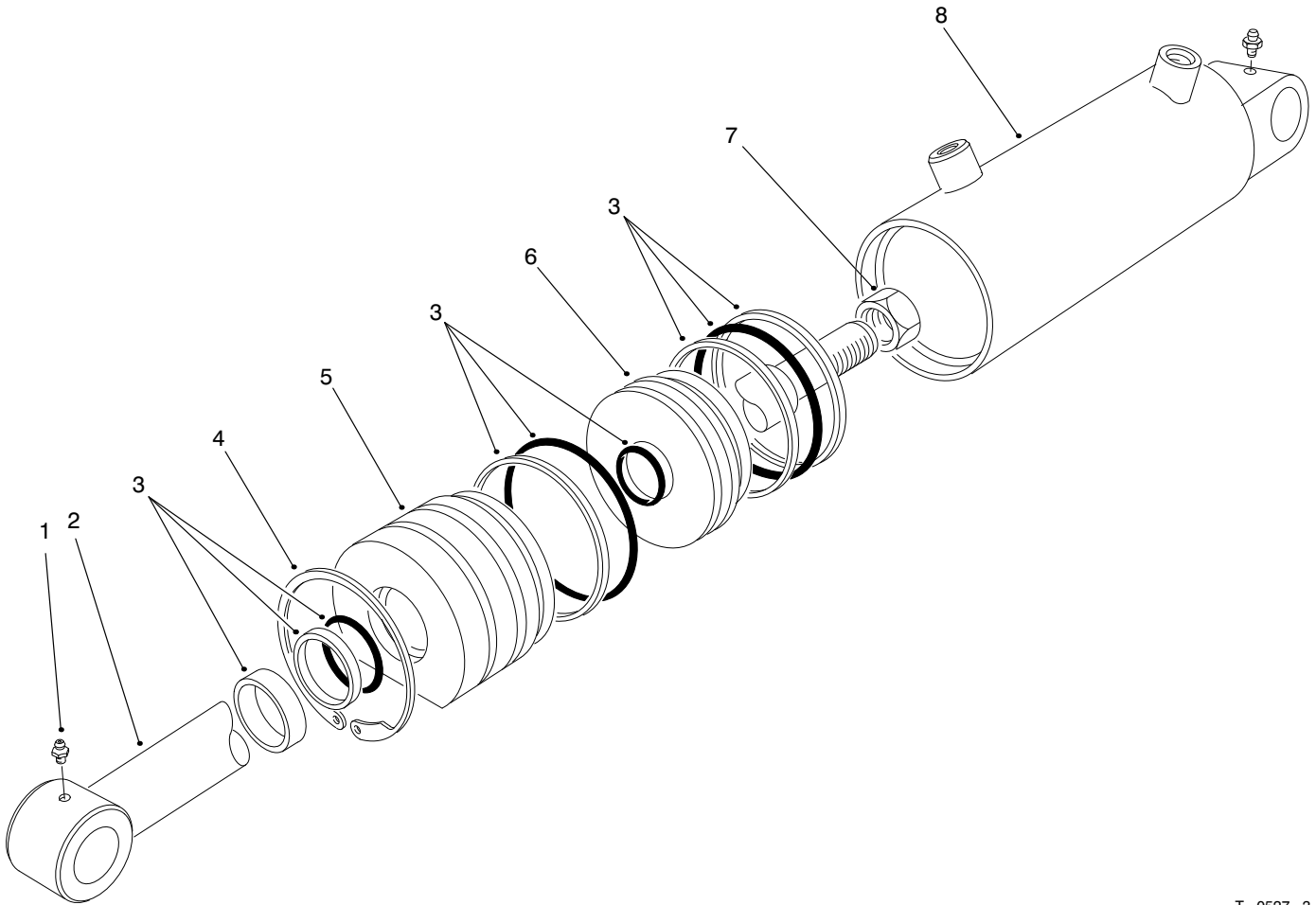


T-0426-5

VALVE & CYLINDER ASM

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



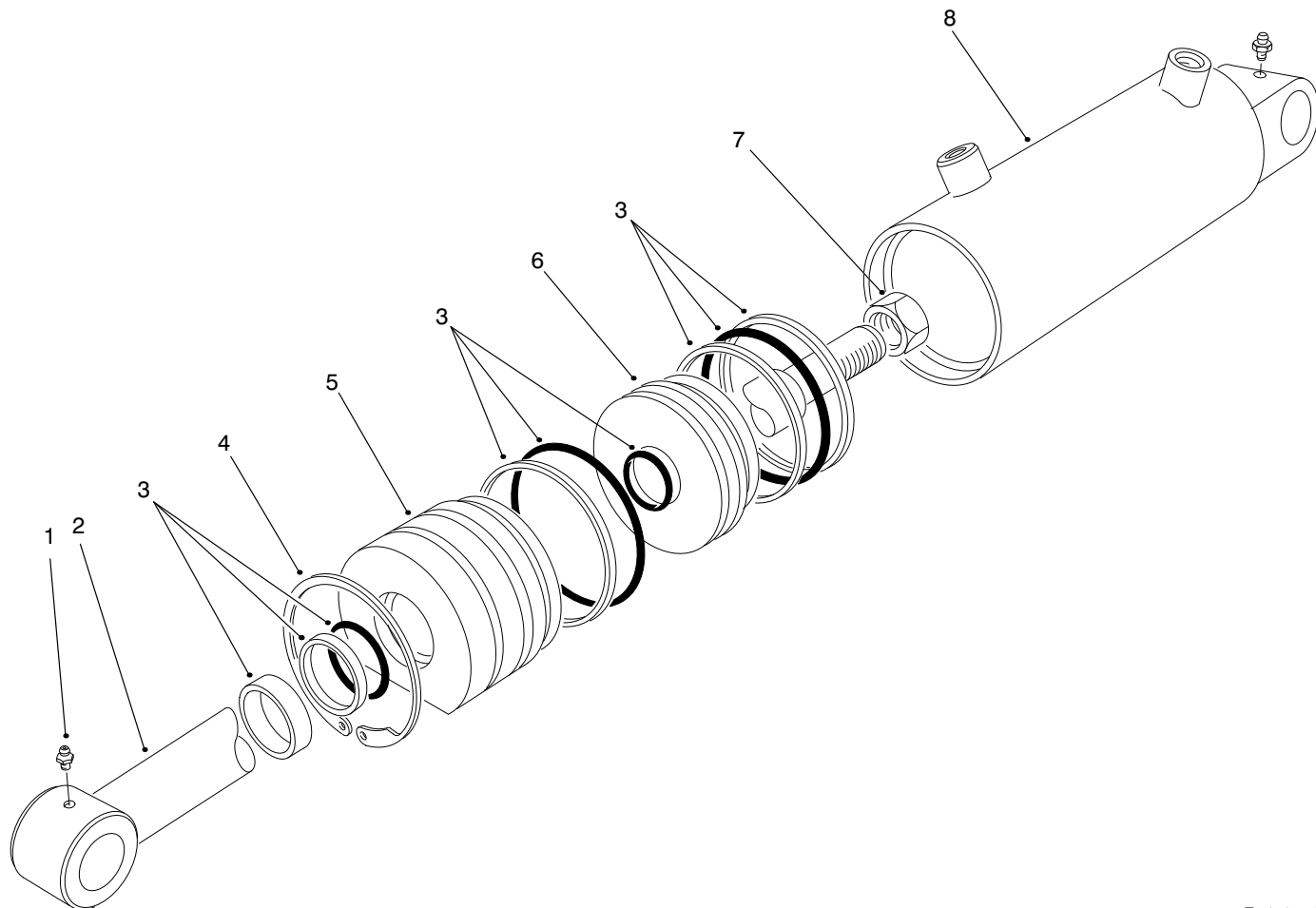
T-0527-3

HYDRAULIC LIFT CYLINDER ASM 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.



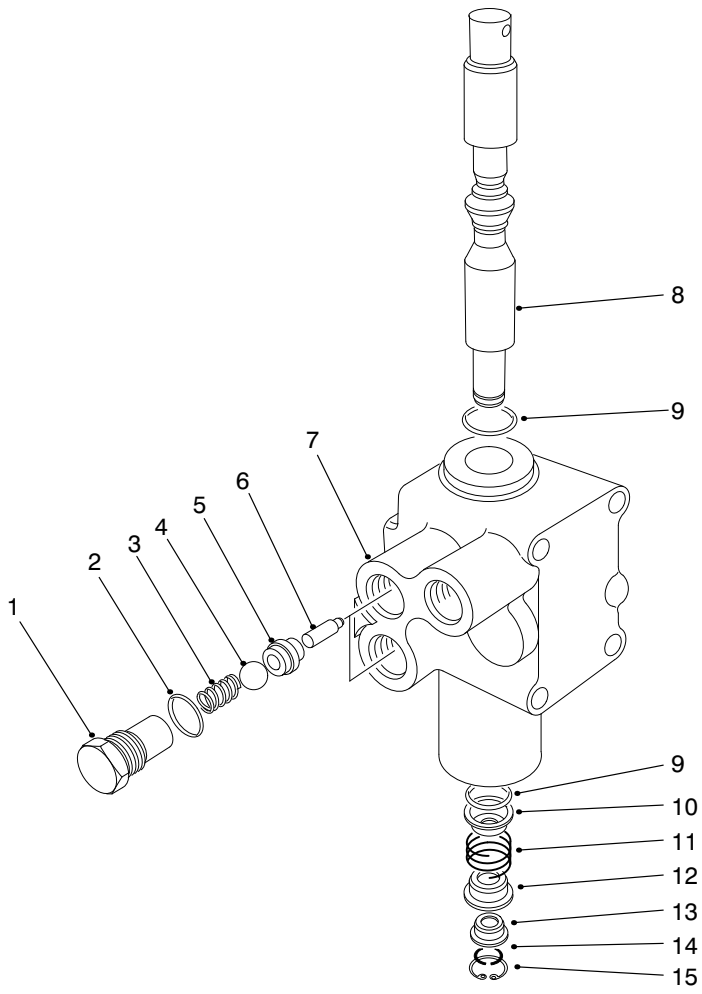
T-0527-3

HYDRAULIC LIFT CYLINDER ASM 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.

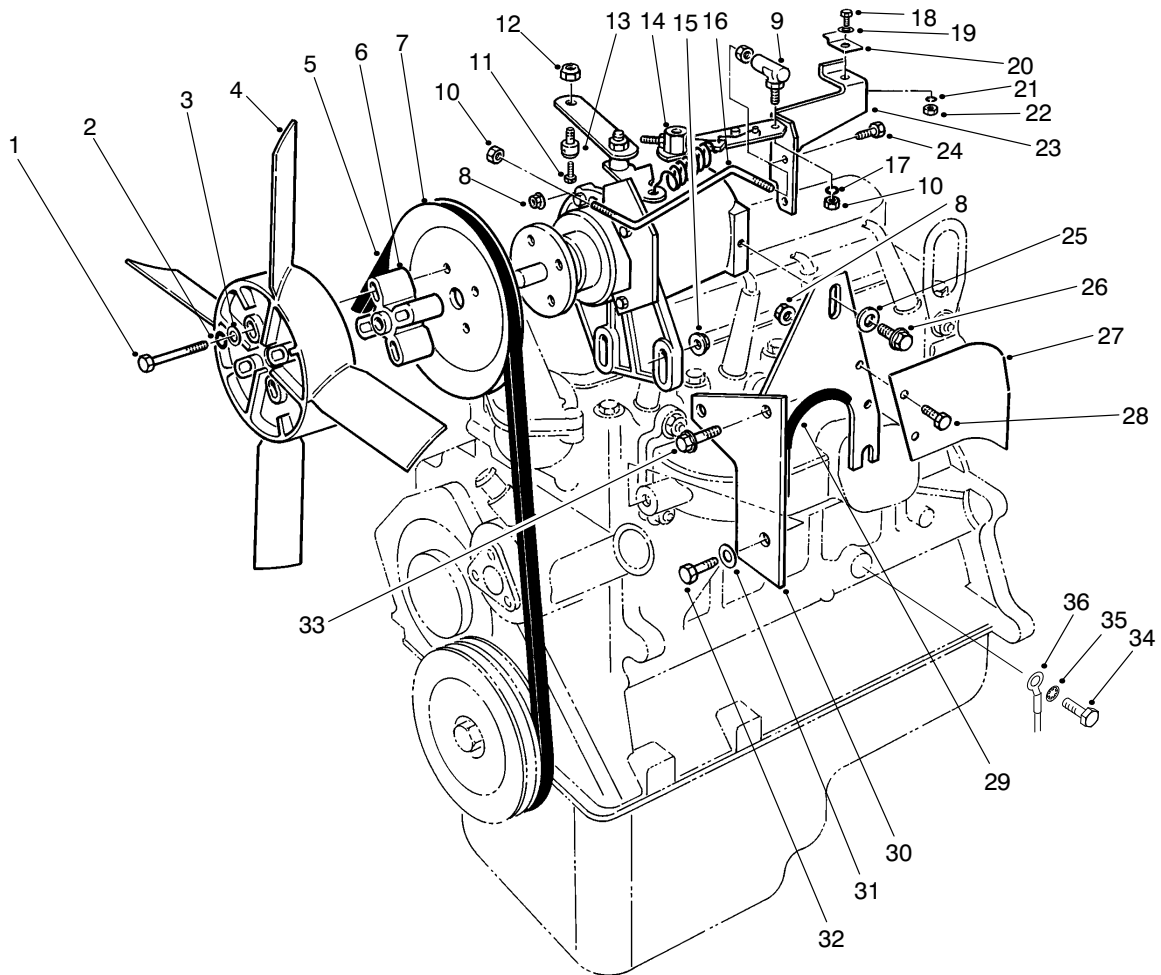


T-0428-1

CONTROL VALVE ASM 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



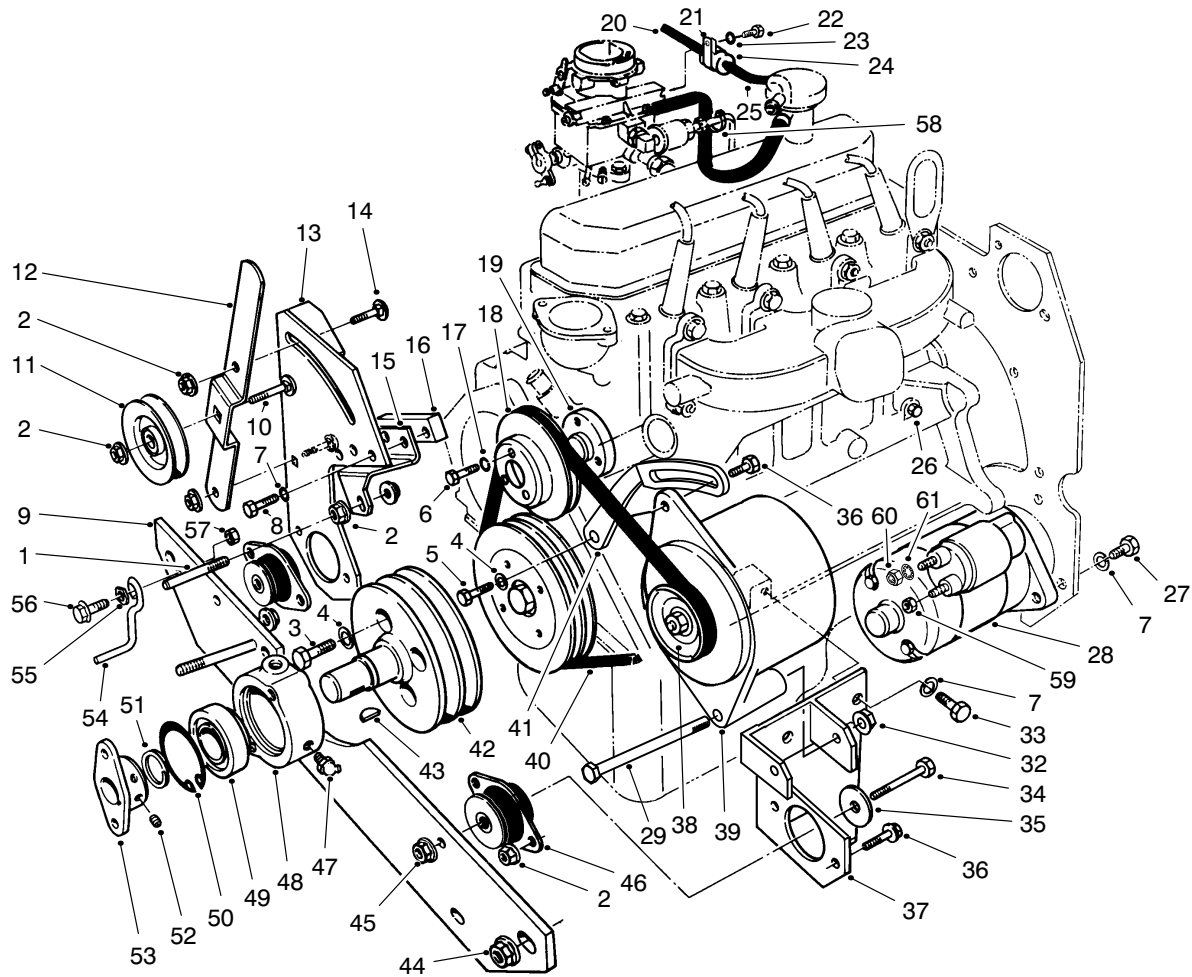
T-0921-2

ENGINE ASM

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	322-12	Screw-HH	4	19	3256-22	Washer-Flat	1
2	3253-4	Washer-Lock	4	20	2412-31	Clamp-Cable	1
3	3256-2	Washer-Flat	4	21	3253-3	Washer-Lock	1
†4	E7JL-8600-AA	Fan	1	22	3217-5	Nut	1
5	67-8510	Belt-Fan	1	23	67-8240	Bracket-Throttle	1
6	67-8390	Spacer-Fan	1	24	321-6	Screw-HH	2
7	67-8380	Pulley-Fan	1	25	3256-56	Washer-Flat	1
8	32128-33	Nut-HHF	4	26	3234-5	Screw-HHF	1
9	21-5640	Joint-Ball	1	27	67-8920	Shield-Heat	1
10	3219-14	Nut-Hex	3	28	321-39	Screw-HH	2
11	25-8640	Screw-Machine	1	29	70-2040	Guard-Trim	1
12	3296-20	Nut-Lock	1	30	67-9150	Support-Governor	1
13	43-3780	Swivel-Cable Throttle	1	31	33094-00	Washer-Flat	1
14	67-8360	Governor	1	32	33114-020	Screw-HH	1
15	3290-357	Nut-Lock, Flange	2	33	3234-11	Screw-HHF	2
16	67-8250	Rod-Throttle	1	34	33115-020	Screw	1
17	3253-12	Washer-Lock	1	35	3254-3	Washer-Lock	1
18	321-4	Screw-HH	1	36	18-2770	Cable-Ground	1

*Not Illustrated

†Obtain from your local Ford Power Products Dealer.



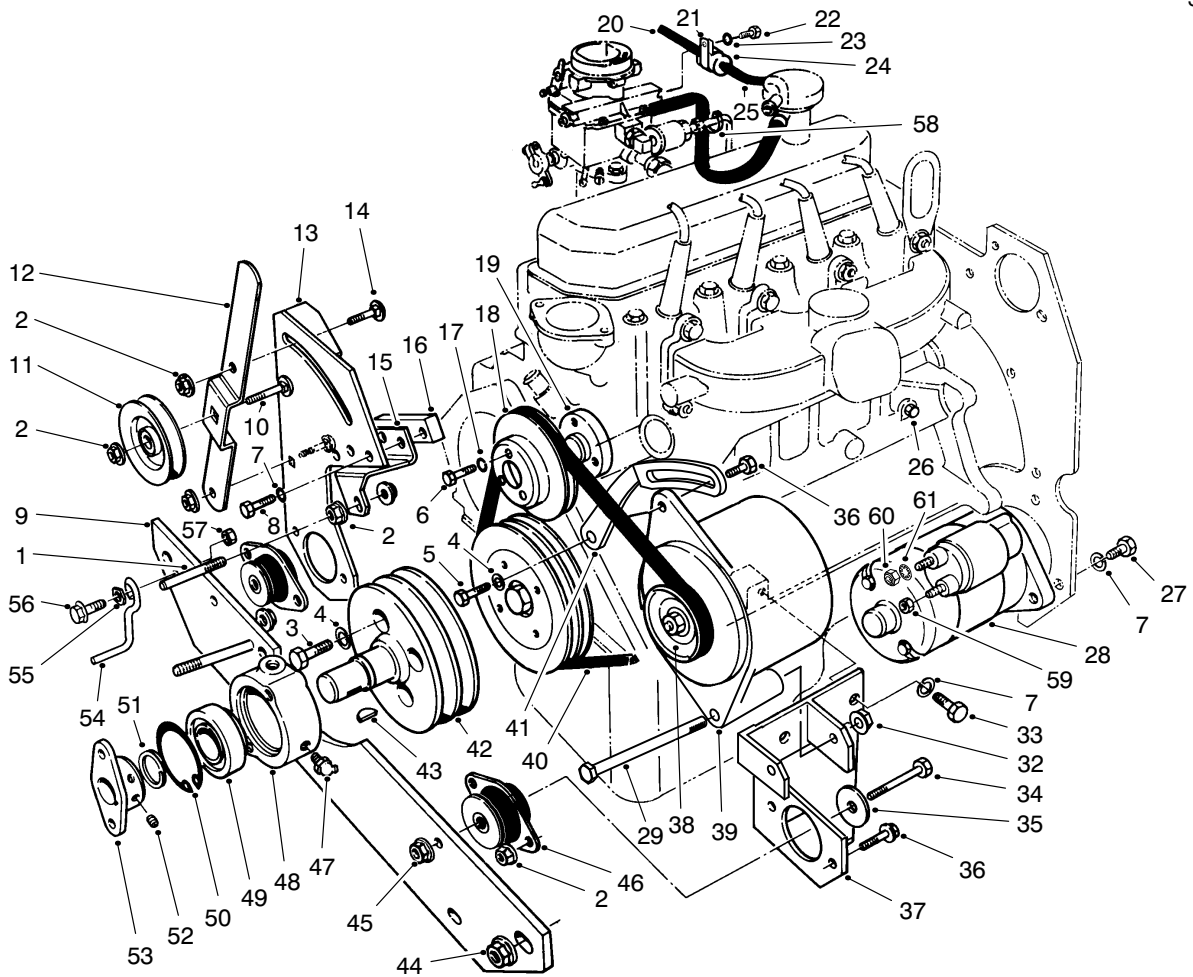
T-0922-2

ENGINE ASM

Ref. No.	Part No.	Description	No. Used
1	21-1820	Stud-Retainer Belt	3
2	3290-357	Nut-Lock, Flange	12
3	33114-045	Screw-Metric	4
4	42-9850	Washer-Lock	5
5	33114-030	Screw-Metric	1
6	33113-025	Screw-Metric	3
7	48-9590	Washer-Lock	8
8	48-7800	Screw-Metric	3
9	75-9900	Support-Engine Front	1
10	3231-28	Bolt-Carriage	1
11	63-8140	Pulley-Idler	1
12	67-8890	Arm-Idler	1
13	67-8310	Mount-Engine Front RH	1
14	3231-22	Bolt-Carriage	2
15	67-8350	Bracket-Guide Belt	1
16	67-8340	Bar-Spacer	1
17	43-5930	Washer-Lock	3
†18		Pulley-Water Pump	1
19	67-8910	Spacer-Pulley	1
20	70-1920	Hose-Vacuum	1
†21	384007-S	Clamp-Valve	1
22	3250-29	Screw-PH	1
23	3256-21	Washer-Flat	1
†24	D4FZ-9C369-A	Fuel Separator	1

Ref. No.	Part No.	Description	No. Used
25	70-1910	Hose-Vac. Advance	1
†26	353055-S7	Plug-Water Drain	1
27	33115-030	Screw-Metric	3
†28	91AB-11000-JB	Starter	1
29	3212-17	Screw-HH	1
32	3296-38	Nut-Hex Flange	1
33	33115-025	Screw-Metric	2
34	324-11	Screw-HH	2
35	53-9480	Washer-Snubber	2
36	3234-11	Screw-Flange Lock	5
37	93-7663	Mount-Engine Front LH	1
38	D3JL-10A352-B	Pulley-Alternator	1
39	EZJL-10346-AB	Alternator	1
40	92-9785	Belt-Alternator	1
41	93-8489	Arm Adjust Alternator	1
42	67-8460	Pulley-Engine	1
43	3257-33	Key-Woodruff	1
44	32128-23	Nut-Lock, Flange	2
45	32128-37	Nut-Lock, Flange	2
46	53-9680	Mount-Engine	2
47	302-10	Fitting-Grease	1
48	43-3720	Collar Bearing	1
49	251-252	Bearing	1
50	32120-22	Ring-Retaining Int.	1

†Obtain from your local Ford Power Products Dealer.

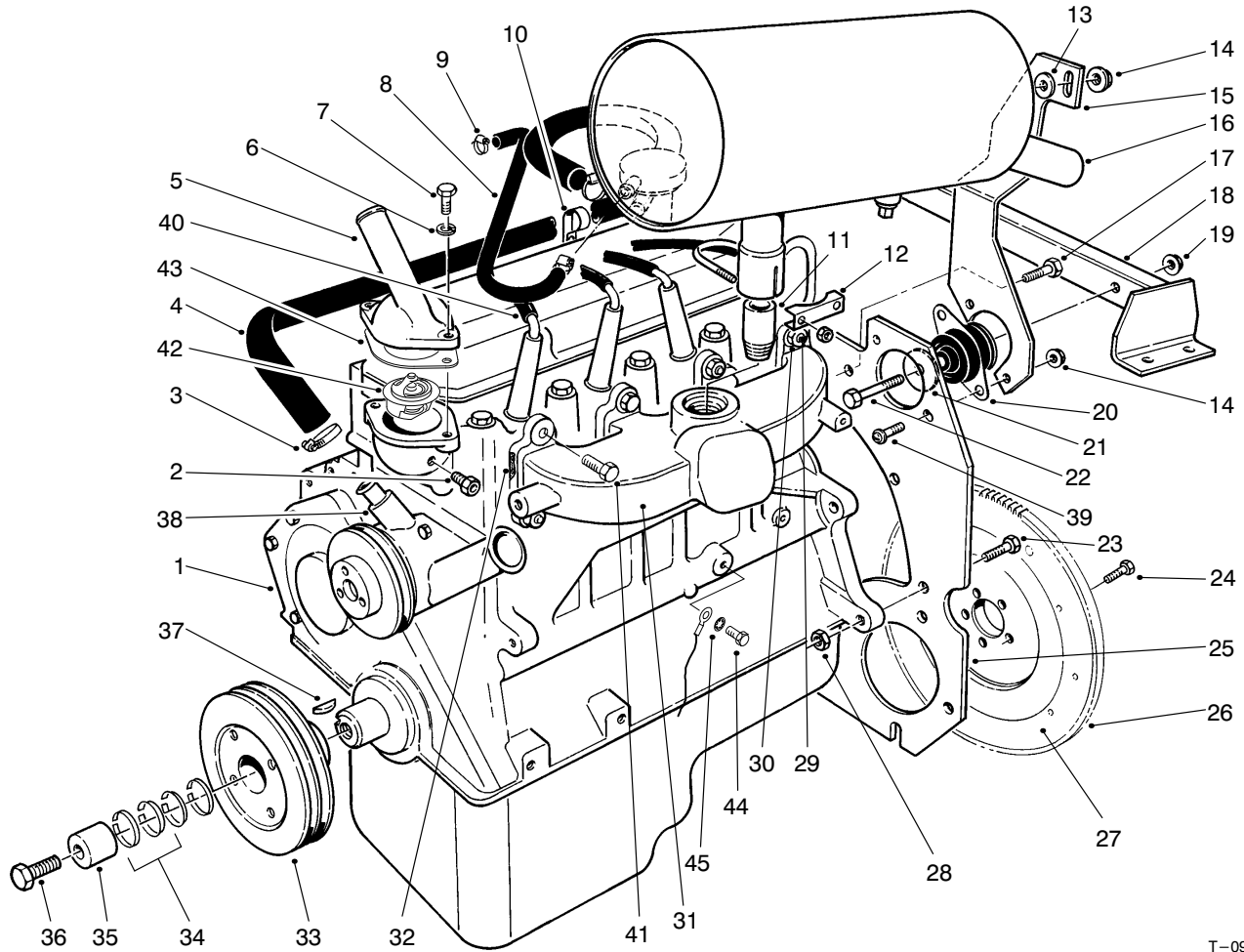


T-0922-2

ENGINE ASM

Ref. No.	Part No.	Description	No. Used
51	32120-69	Ring-Retaining Ext.	1
52	3241-5	Screw-Sq. Hd. Set	2
53	27-1960	Hub-Engine	1
54	63-1400	Rod-Belt	1
55	3290-224	Washer-Pyramidal	1
56	3234-18	Screw-HHF	1

Ref. No.	Part No.	Description	No. Used
57	32153-2	Nut-Lock	1
58	3290-379	Cable-Tie	A/R
59	48-7890	Nut	1
60	33014-00	Nut	1
61	3254-2	Washer-Lock	1



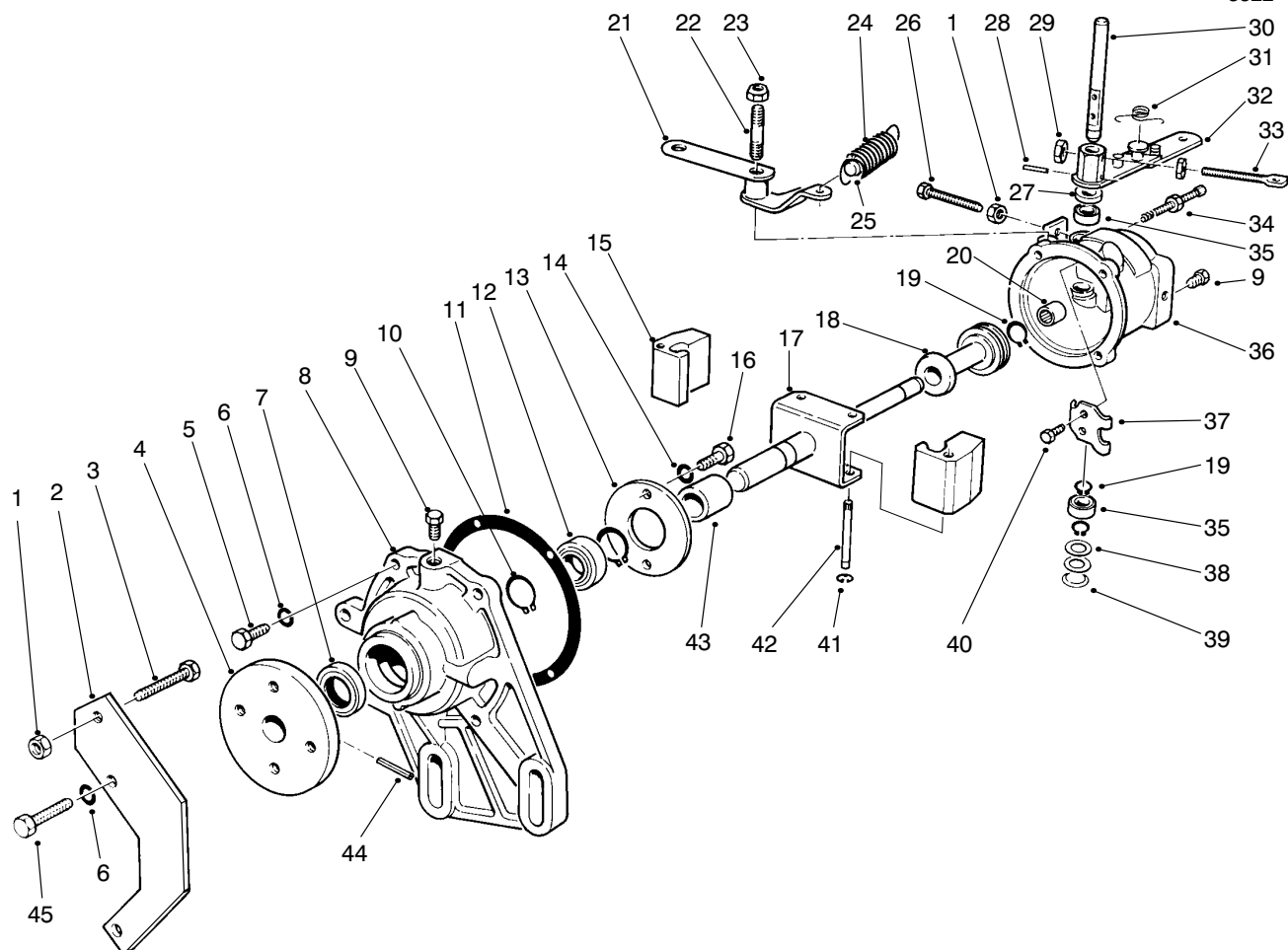
T-0923-3

ENGINE ASM

Ref. No.	Part No.	Description	No. Used
‡1	Model VSG-413	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
†23	N800057-S2	Bolt	4

Ref. No.	Part No.	Description	No. Used
†24	D2RY-6379-A	Bolt	6
25	67-8440	Plate - Support Engine	1
†26	D8RZ-6384-A	Ring Gear - Flywheel	1
†27	89BM-6375-BA	Asm - Flywheel (Incl. Ref. #26)	1
†28	N620482-S2	Nut	4
†29	E805697-S76	Stud	6
†30	N620481-S2	Nut	6
†31	F5JL-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-AB	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	33114-030	Screw - HH	2
†42	D4PZ-8575-A	Thermostat	1
†43	D1FZ-8255-B	Gasket	1
44	33115-020	Screw - HH	1
45	3254-3	Washer - Lock	1

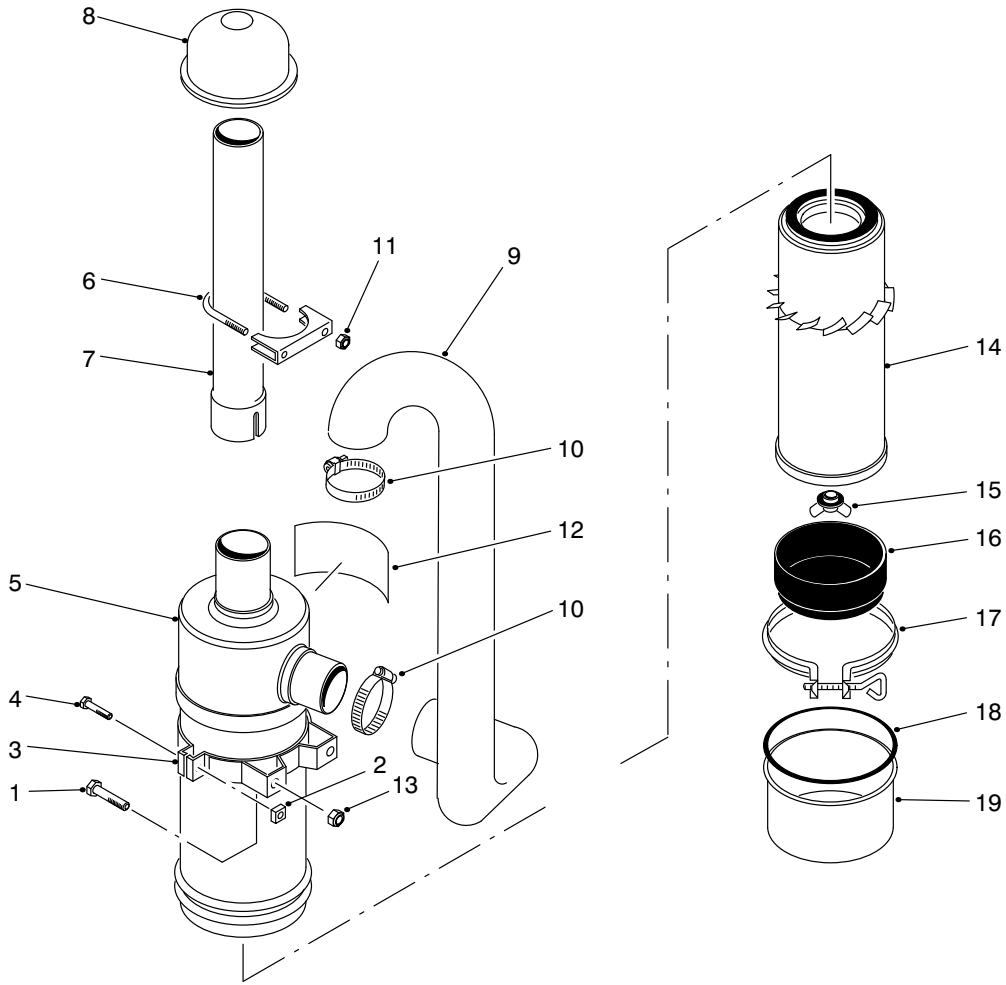
†Obtain from your local Ford Power Products Dealer.
‡Note: Includes all Ford part numbers from all pages.



T-0933-1

GOVERNOR ASM 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				



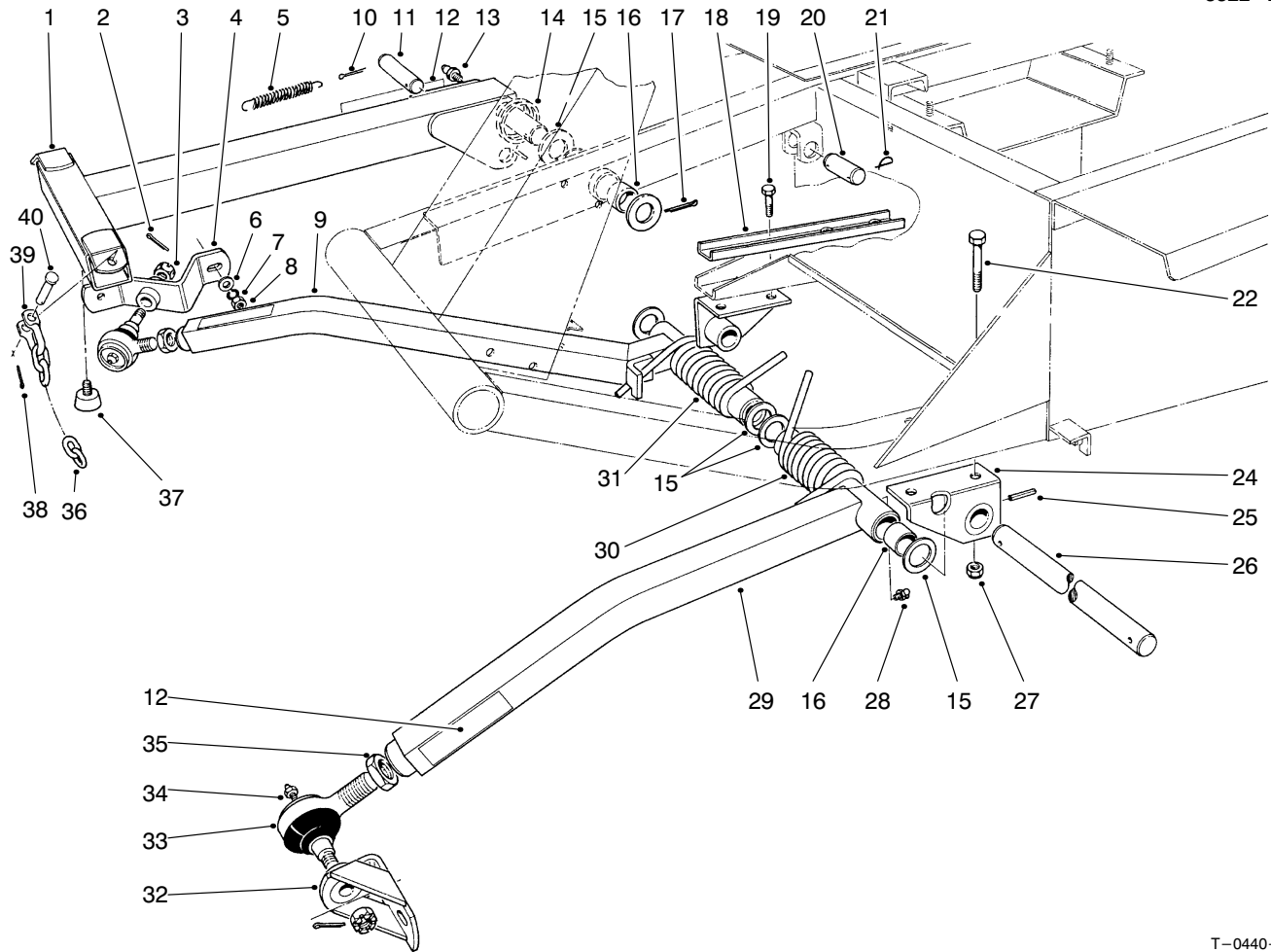
T-0934-1

AIR CLEANER ASM

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

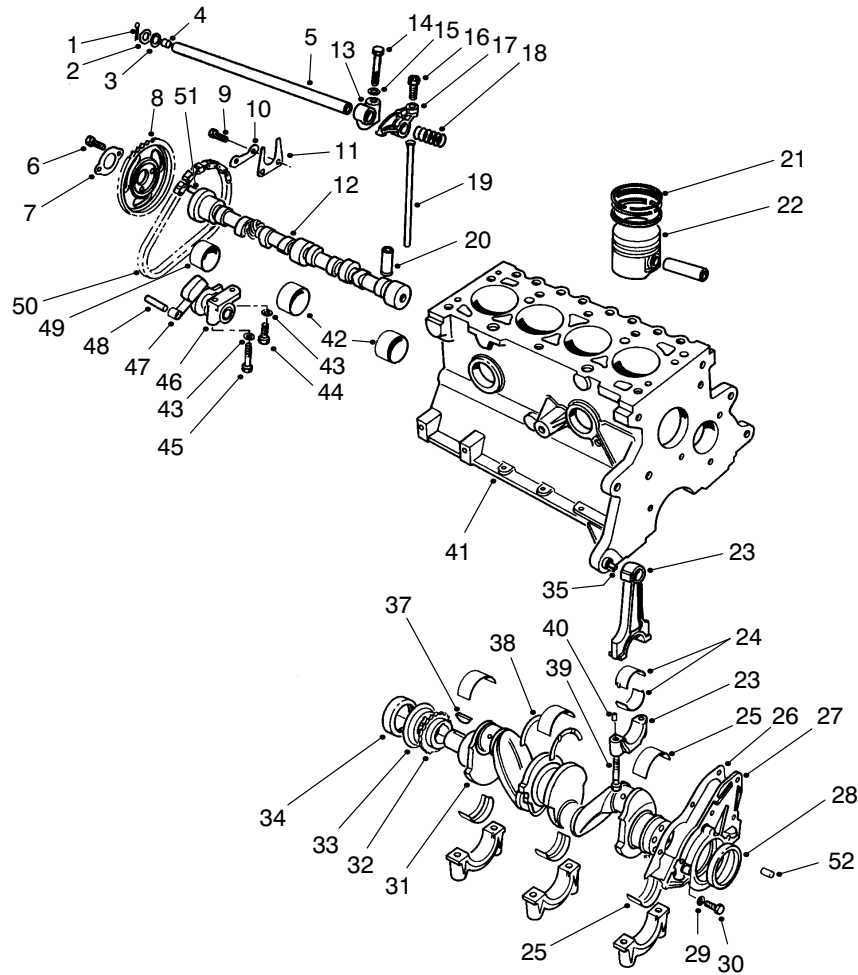
*Not Illustrated



T-0440-5

PUSH ARM ASM

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	324-12	Screw-HH	2
3	32136-2	Nut	2	24	21-2860	Push Arm Bracket	2
4	21-3020	Ball Joint Mount	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	Screw-HH	2	40	283-10	Pin	1
20	3-7292	Pin	1				



T-1004-1

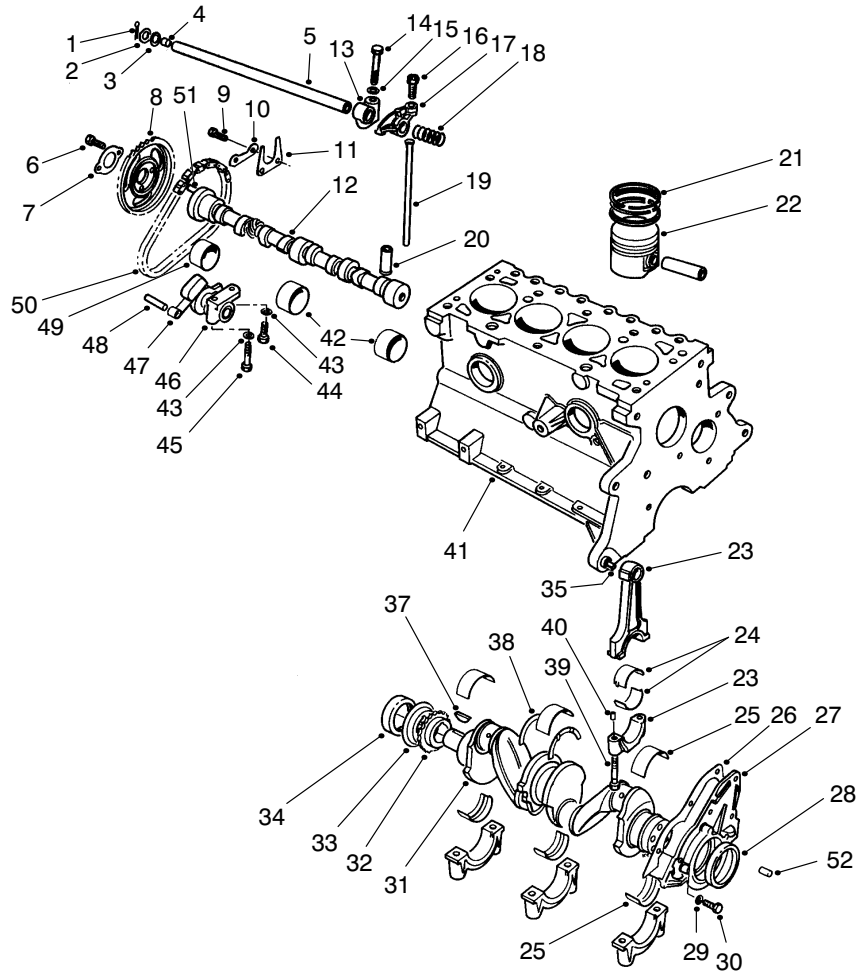
CRANKSHAFT & CAMSHAFT ASM

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	Asm-Rocker Arm Shaft (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-DA	Ring Set-STD.	4
*	89BM-6148-EA	Ring Set-.020 OS.	A/R
*	89BM-6148-FA	Ring Set-.040 OS.	A/R

Ref. No.	Part No.	Description	No. Used
22	89BM-6102-DA	Asm-Piston STD. (Incl. Ref. #21)	4
*	89BM-6102-EA	Asm-Piston .020 OS. (Incl. Ref. #21)	A/R
*	89BM-6102-FA	Asm-Piston .040 OS. (Incl. Ref. #21)	A/R
23	89BM-6200-AD	Asm-Connecting Rod	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.



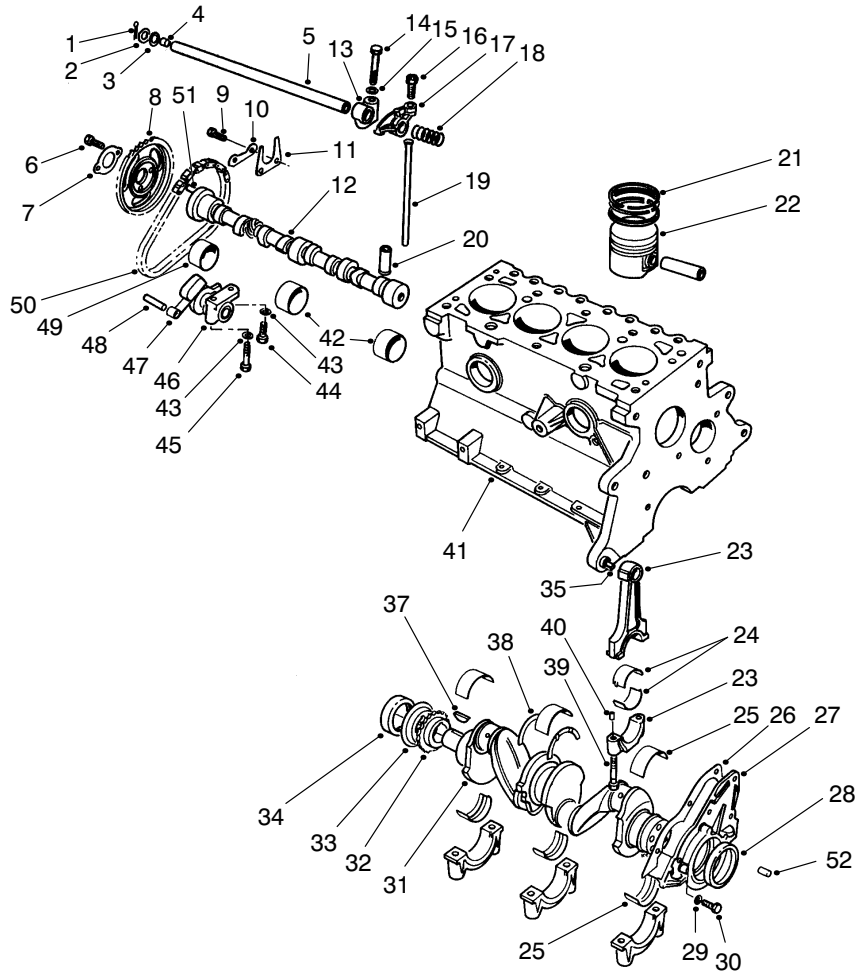
T-1004-1

CRANKSHAFT & CAMSHAFT ASM (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
				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	89BM-6011-DA	Cylinder Block	1
				42	DORY-6261-A	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-S72	Bolt	1
26	89BM-6344-BA	Gasket Rear Retainer	1	46	DIFZ-6284-A	Tensioner	1

*Not Illustrated

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



T-1004-1

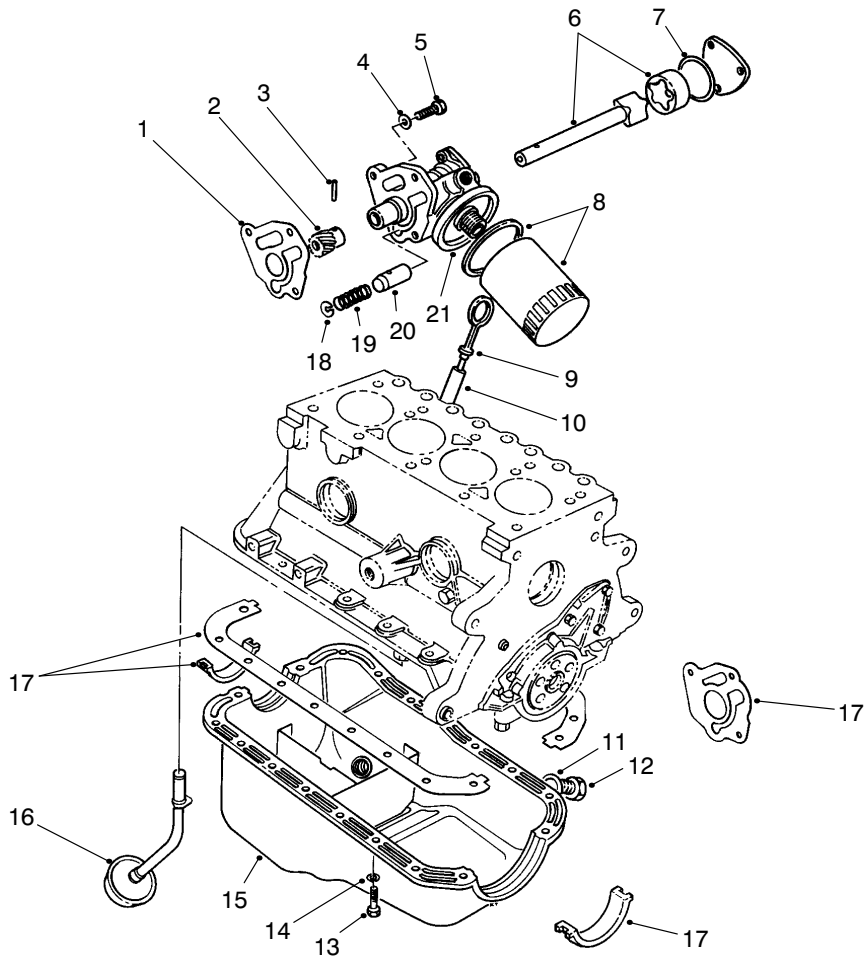
CRANKSHAFT & CAMSHAFT ASM (Continued)

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
50	DORY-6268-A	Chain	1

Ref. No.	Part No.	Description	No. Used
51	E93A-6253-A	Dowel	1
52	E-840161-S	Dowel	1
*	93BX-6014-AA	Kit-Gasket, Upper (Less Head Gasket)	1
*	89BM-6051-C2B	Head Gasket	1
*	93BX-6013-BA	Kit-Gasket, Lower	1

*Not Illustrated

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

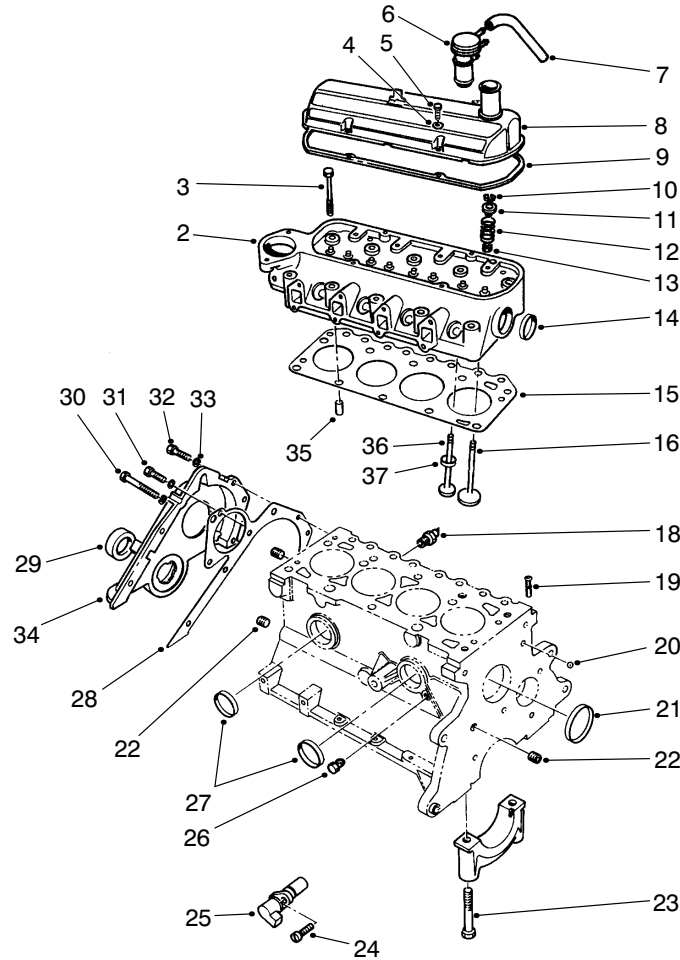


T-1003-1

OIL PUMP & FILTER ASM

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	96BM-6659-A1A	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-S71M	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

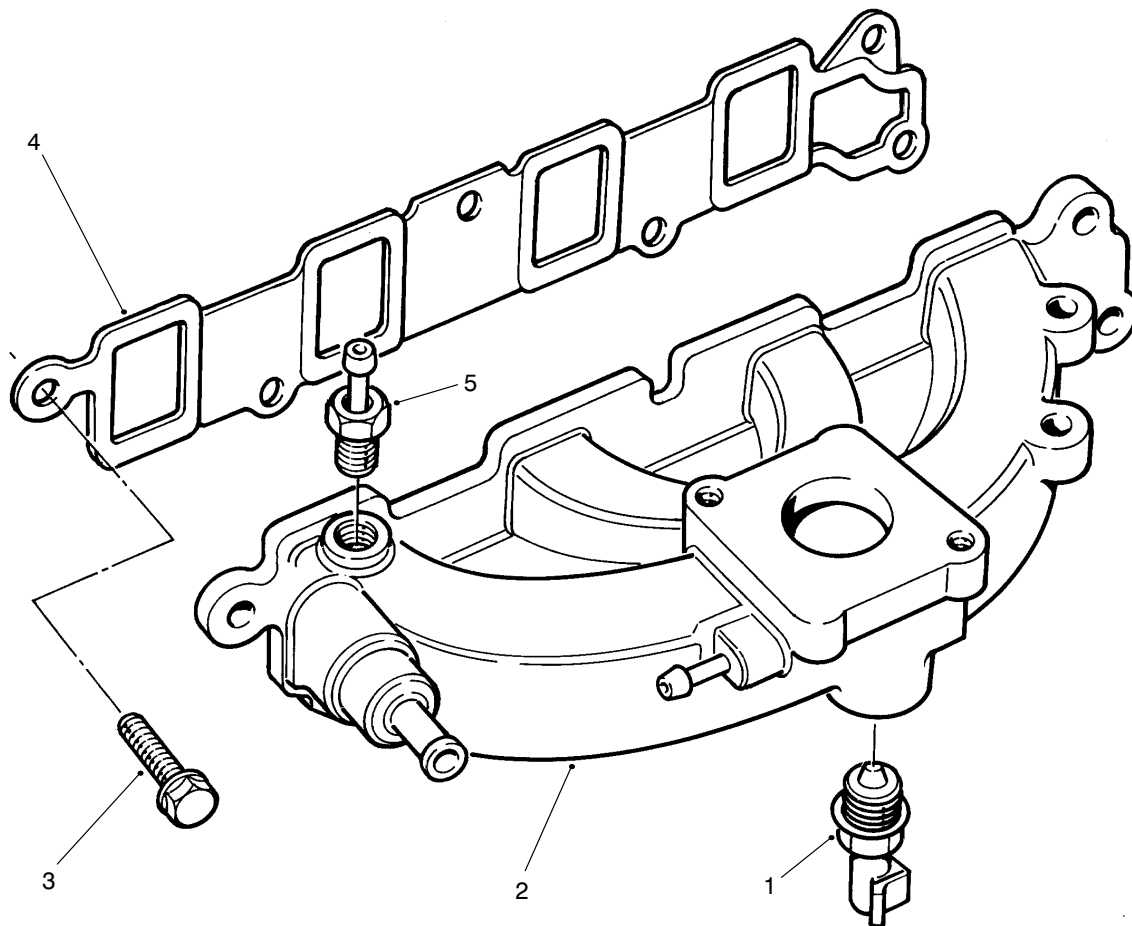
CYLINDER HEAD & VALVE ASM

Ref. No.	Part No.	Description	No. Used
2	89BM-6049-DD	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-C2B	Gasket-Cylinder Head	1
16	89BM-6507-BA	Valve-Intake-Std.	4
*	89BM-6507-BC	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	DORY-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-6C315-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.

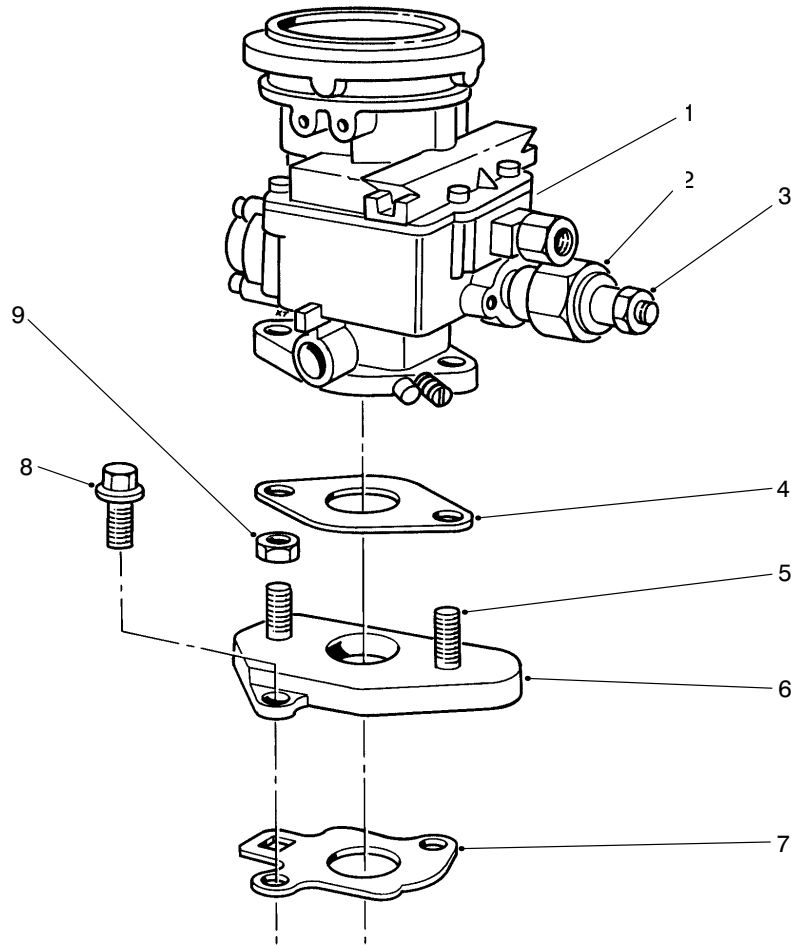


T-1176-1

MANIFOLD ASM

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



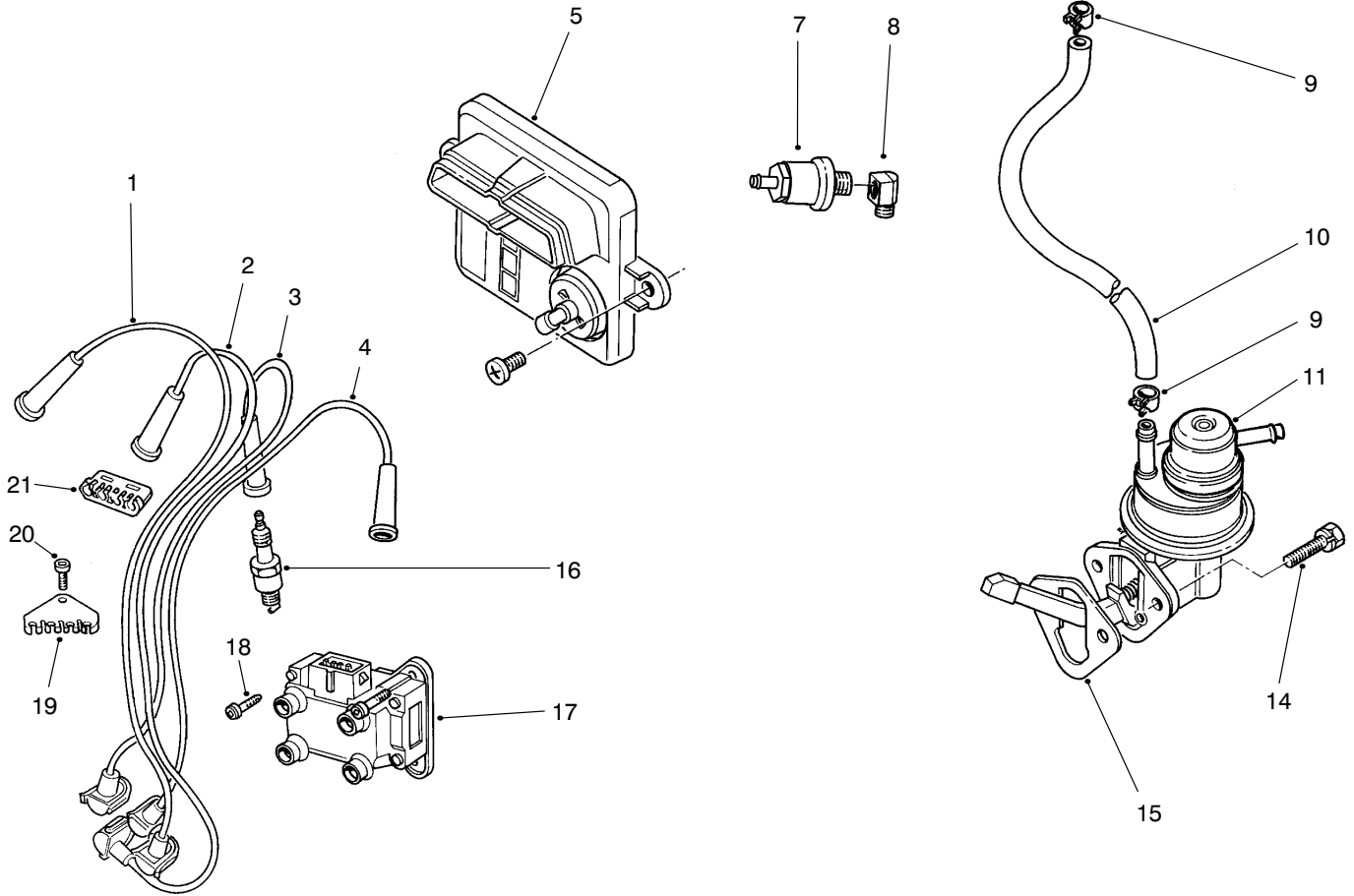
T-0999-1

CARBURETOR ASM

Ref. No.	Part No.	Description	No. Used
1	F8JL-9510LA	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

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



T-1233-2

IGNITION & FUEL PUMP ASM

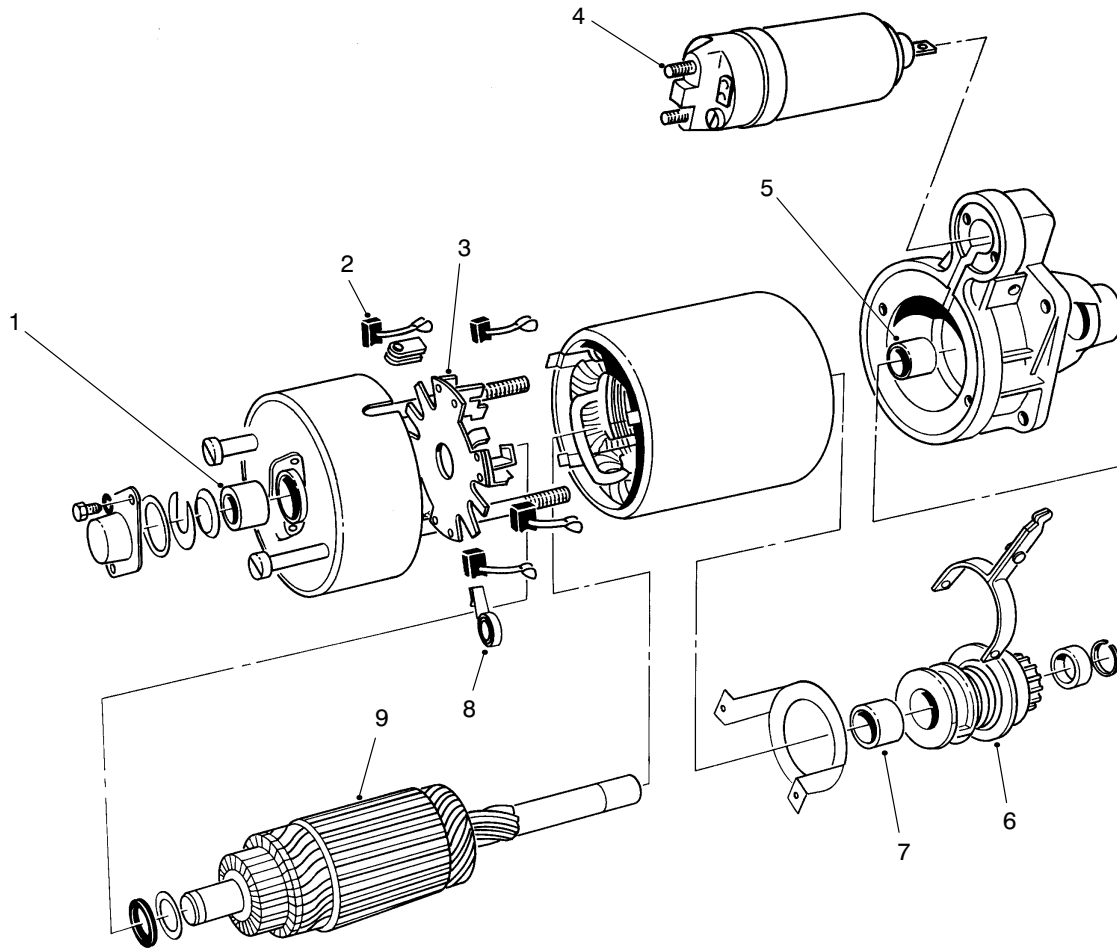
Ref. No.	Part No.	Description	No. Used
1	89BF-12287-AC	Wire-Spark Plug #4	1
2	89BF-12284-AD	Wire-Spark Plug #3	1
3	89BF-12283-AD	Wire-Spark Plug #2	1
4	88BF-12286-AD	Wire-Spark Plug #1	1
5	89FB-12A297-GA	Module-Ignition	1
†7	FG778-B	Filter-Fuel (Motorcraft)	1
8	370829-S101	Elbow	1
9	380882-S32	Clamp-Fuel Hose	A/R
10	381103-S180A	Hose-Fuel	1
11	83BF-9350-AA	Fuel Pump	1

Ref. No.	Part No.	Description	No. Used
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.

†For use on Serial No. 40501 & UP



T-1005-1

STARTER MOTOR ASM (91AB11000JB)

Ref. No.	Part No.	Description	No. Used
1		Bushing—Brush End	1
2		Brush Set	1
3		Holder—Brush	1
4	F7JL-11450-AA	Solenoid—Starter	1
5		Bushing—Drive End	1

Ref. No.	Part No.	Description	No. Used
6	F7JL-11350-BA	Kit—Starter 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

3322-235

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	12	2
11-0590	Screw-TAP	11	5	2	21-8590	Link-Valve Lever	25	27	1
11-9760	Screw-TAP	21	52	3	21-8620	Lever Valve	25	2	1
12-9990	Hour Meter	4	16	1	21-8640	Latch Valve Lever	25	7	1
14-8459	Hood	6	44	1	21-9010	Pivot Mount-Valve Lever	25	11	1
18-1520	Filter-Gas	15	43	1	21-9260	Cover-Dust	12	4	1
18-2770	Cable-Ground	29	36	1	21-9370	Screw-Adjusting	18	16	2
18-2770	Cable-Ground	2	51	1	21-9380	Nut-Pivot	18	17	2
18-5410	Spring-Torsion	33	31	1	21-9390	Socket-Adjusting Screw	18	15	2
18-5430	Plug-Expansion	33	39	1	21-9420	Spring-Shoe Return LH	18	19	2
18-5440	Spacer	33	38	2	21-9430	Spring-Shoe Return RH	18	7	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	5	2
18-5530	Screw & Lockwasher	33	40	2	21-9460	Retainer-Brake Lever	18	10	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 RH	19	39	2	22-8410	Spring	28	11	1
21-0141	Asm-Socket RH	11	26	1	22-8420	Spool	28	8	1
21-0150	Asm-Socket LH	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 LH	2	46	1	24-8790	Differential Bevel Gear Side	16	5	2
21-2770	Pad-Foot Rest RH	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	4	2
21-2850	Mount-RH 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	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-RH Brake	11	*	1	25-2460	Plug-HH	23	28	2
21-3380	Cable-LH 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	43-5550	Shaft- P.T.O. Actuator	9	32	1
25-2570	Valve Spring	23	30	1	43-5570	Arm-P.T.O. Actuator	9	38	1
25-2580	Trunnion Shaft	23	26	1	43-5630	Yoke-P.T.O.	9	51	1
25-2610	Accel. Valve Spring	23	16	1	43-5930	Washer-Lock	30	17	3
25-2630	Back Up Ring	23	14	1	43-5930	Washer-Metric	6	4	2
25-2640	Valve Spring	23	8	2	43-6550	Snap Ring	16	21	1
25-2650	Check Valve Plug	23	6	2	43-6710	Adjustment Shim .003	16	15	A/R
25-2680	Asm-Gerotor	23	38	1	43-6711	Adjustment Shim .005	16	16	A/R
25-3190	Charge Pump	23	40	1	43-6712	Adjustment Shim .010	16	17	A/R
25-3210	Lip Seal	23	24	2	43-6713	Adjustment Shim .030	16	18	A/R
25-8640	Screw-Machine	29	11	1	43-6750	Roller Bearing Cup	16	10	1
26-6740	Temperature Reset Relay	4	13	1	43-6760	Roller Bearing Cone	16	9	1
27-1960	Hub-Engine	31	53	1	43-6810	Torque-Spider	18	6	2
27-2360	Switch	4	15	1	43-6840	Lower Housing	17	34	1
27-6590	Spacer Rubber Coupling	21	22	2	43-8600	Spring-Compression	8	11	1
27-6600	Spacer Rubber Coupling	21	20	6	43-8600	Spring-Compression	10	66	1
27-7100	Asm-Air Cleaner	34	5	1	43-8610	Guide-Spring & Ball Seat	9	5	1
27-7110	Asm-Element	34	14	1	43-8610	Guide-Spring & Ball Seat	8	12	1
27-7120	Asm-Nut & Gasket	34	15	1	43-8620	Guide-Switch Pin	8	9	1
27-7130	Asm-Clamp	34	17	1	43-8620	Guide-Switch Pin	10	68	1
27-7140	Skirt-Baffle	34	16	1	43-8860	Plunger-Switch	8	10	1
27-7150	Asm-Cup	34	19	1	43-8860	Plunger-Switch	10	67	1
27-7160	Decal-Instructions	34	12	1	43-8870	Boot-Switch	8	1	1
27-7170	Asm-Band	34	3	2	43-8870	Boot-Switch	10	71	1
27-7180	Asm-Cap, Air Inlet	34	8	1	43-9071	Asm-Switch	10	*	1
27-7290	Decal-Power Take Off	1	16	1	43-9071	Asm-Switch	8	*	1
27-7310	Decal-Refueling	2	39	1	43-9110	Tank-Fuel	15	12	1
27-7320	Decal-Traction Pedal	3	13	1	44-2210	Warning Light	4	30	1
27-7370	Asm-Brake, P.T.O.	9	25	1	44-2230	Rubber Coupling	21	17	2
27-7490	Pedal-LH Brake	11	41	1	46-2210	Shim-Front Pinion Bearing	16	22	A/R
27-7510	Pedal-RH Brake	11	42	1	46-2211	Shim-Front Pinion Bearing	16	*	A/R
27-7590	Mount-Brake	11	34	1	46-2212	Shim-Front Pinion Bearing	16	*	A/R
27-7640	Shaft-Brake Latch	11	36	1	46-2213	Shim-Front Pinion Bearing	16	*22	A/R
27-7900	Screw-Adjusting	9	35	1	46-2214	Shim-Front Pinion Bearing	16	*	A/R
27-8550	Pedal-Parking Brake	11	45	1	46-2215	Shim-Front Pinion Bearing	16	*A/R/	
27-9270	Mount-Brake Pivot Shaft	11	35	1	46-2216	Shim-Front Pinion Bearing	16	*	A/R
28-0650	Flanged Axle Shaft	18	1	2	46-2220	Shim-Front Pinion Bearing	16	*	A/R
28-0670	Oil Seal	18	8	2	46-2221	Shim-Front Pinion Bearing	16	*	A/R
28-0680	Drum-Brake	18	13	2	46-2222	Shim-Front Pinion Bearing	16	*	A/R
28-1280	Boot-Cable	1	18	1	46-2223	Shim-Front Pinion Bearing	16	*	A/R
28-5220	Wheel-Friction	11	25	1	46-2224	Shim-Front Pinion Bearing	16	*	A/R
28-9570	Pump Lever	21	51	1	46-2225	Shim-Front Pinion Bearing	16	*	A/R
29-6120	Pump Plate	21	3	1	46-2226	Shim-Front Pinion Bearing	16	*	A/R
29-6150	Leaf Spring	21	46	1	46-2410	Shim-Front Pinion Bearing	16	*	A/R
29-6163	Micro Switch	21	2	1	46-2411	Shim-Front Pinion Bearing	16	*	A/R
29-6170	Extended Leaf Spring	21	7	1	46-2412	Shim-Front Pinion Bearing	17	*22	A/R
31-0390	Disc-Friction	12	31	1	46-2413	Shim-Front Pinion Bearing	17	*	A/R
33-4380	Pump Hub	21	14	1	46-2414	Shim-Front Pinion Bearing	17	*	A/R
37-9550	Strap-Tank Fuel	15	4	1	46-2415	Shim-Front Pinion Bearing	17	*	A/R
37-9650	Trim	1	26	1	46-2416	Shim-Front Pinion Bearing	17	*	A/R
38-1650	Fuel Gauge	4	8	1	46-2420	Shim-Front Pinion Bearing	17	*	A/R
38-1660	Ammeter	4	10	1	46-2421	Shim-Front Pinion Bearing	17	*	A/R
38-1670	Mounting Clamp	4	7	2	46-2422	Shim-Front Pinion Bearing	17	*	A/R
38-3400	Guard-Rubber	25	5	1	46-2423	Shim-Front Pinion Bearing	17	*	A/R
38-3400	Guard-Rubber	22	60	1	46-2424	Shim-Front Pinion Bearing	17	*	A/R
38-4550	Instrument Cover	1	28	1	46-2425	Shim-Front Pinion Bearing	17	*	A/R
39-8020	Trim-Instrument Cover	1	31	1	46-2426	Shim-Front Pinion Bearing	17	*	A/R
41-8760	Gasket-Transmission	21	45	1	46-6390	Drive Coupling	21	18	1
42-6080	Shim-Axle	15	26	A/R	46-8400	Needle Bearing	24	53	2
42-9850	Washer-Lock	30	4	5	46-8410	Motor Shaft	24	58	1
43-1710	Asm-Valve	25	13	1	46-8810	Stop-Leaf Spring	22	56	1
43-1730	Body	28	7	1	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	48-7800	Screw-Metric	30	8	3
43-3810	Tube Air Cleaner	34	7	1	48-7890	Nut	31	59	1
43-3860	Shaft-Pivot P.T.O.	9	9	1	48-7890	Nut-Metric	6	3	2
43-4300	Trim-Rear Frame	1	32	2	48-9590	Washer-Lock	30	7	8
43-5500	Pivot P.T.O.	9	31	1	49-8520	Kit-Relief, Implement	24	63	1
43-5540	Shaft P.T.O.	9	43	1	53-4420	Decal-Fuel	2	38	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
53-4430	Decal-Oil Fill	3 11 1	67-8360	Governor	29 14 1
53-9480	Washer-Snubber	32 21 2	67-8370	Hub	33 4 1
53-9480	Washer-Snubber	30 35 2	67-8380	Pulley-Fan	29 7 1
53-9660	V-Belt Torque Team	9 12 1	67-8390	Spacer-Fan	29 6 1
53-9680	Mount-Engine	32 20 2	67-8420	Bracket-Muffler	32 15 1
53-9680	Mount-Engine	30 46 2	67-8440	Plate-Support Engine	32 25 1
54-7890	Pump Housing	23 22 1	67-8460	Pulley-Engine	30 42 1
54-9290	Bracket	21 29 2	67-8480	Support-Engine Rear	32 18 1
54-9300	Cover	21 28 1	67-8510	Belt-Fan	29 5 1
55-3574	Cap-Tank Fuel	15 11 1	67-8540	Cable-Ground	5 4 1
55-4300	Warning Decal	35 12 3	67-8550	Engine Temperature Gauge	4 11 1
55-7290	Battery (Group Size 24)	1 11 1	67-8560	Throttle & Choke Control	4 31 2
56-2460	Washer	19 45 A/R	67-8590	ASM-Radiator	6 37 1
56-7980	Sleeve-Protective	7 56 1	67-8640	Shroud-Radiator	6 17 1
59-9740	Latch-Draw	6 20 1	67-8660	Hose-Radiator Lower	6 21 1
60-9760	Nut	26 7 1	67-8690	Support-Column	12 7 1
60-9760	Nut-Hex	27 7 1	67-8890	Arm-Idler	30 12 1
60-9770	Piston	26 6 1	67-8910	Spacer-Pulley	30 19 1
60-9780	Head	26 5 1	67-8920	Shield-Heat	29 27 1
61-4960	Repair Kit	26 3 1	67-8940	Connector-Outlet	32 5 1
61-4980	Shaft-w/Clevis	26 2 1	67-8960	Weight-Axle Rear	19 1 1
61-4990	Ring-Retaining	26 4 1	67-9030	Grille-Radiator	6 38 1
62-3010	Bracket-RH	8 15 1	67-9080	Motor Housing	23 4 1
62-3020	Bracket-LH	8 17 1	67-9090	Plug	23 42 2
62-4250	Cylinder-Hydraulic	25 21 1	67-9100	Gasket	23 10 1
62-4260	Asm-Drive Shaft	9 44 1	67-9120	Muffler	32 16 1
62-6840	Sender-Fuel Level	15 6 1	67-9130	Pipe-Muffler	32 11 1
62-7020	Asm-Wheel & Tire 4 Ply	15 * 2	67-9150	Support-Governor	29 30 1
62-7650	Gasket-Tank Fuel	15 5 1	67-9800	Bumper	35 37 3
63-1400	Rod-Belt	31 54 1	68-5140	Cap-Wheel, Steering	12 46 1
63-7590	Relay	4 23 1	68-5370	Decal-Toro	12 1 1
63-7630	Hose-Vent Fuel	15 10 1	68-8610	Fender-Extension	2 42 1
63-8140	Pulley-Idler	30 11 1	68-8660	Elbow	21 31 1
63-8360	Key	4 12 1	68-8990	Head-Filter	21 33 1
63-8960	Asm-Hose	6 32 1	68-9160	Bracket	6 29 1
63-8970	Hose-Trans. to Steering	12 14 1	68-9650	Hose-Axle	21 37 1
63-8980	Hose-Aux. to Valve	12 22 1	68-9710	Hose-Steering Cylinder	7 55 2
63-8990	Hose	25 15 1	68-9720	Hose-Cylinder to Steering	12 19 1
63-8990	Hose	12 23 1	68-9730	Hose-Steering to Cylinder	12 18 1
63-9010	Asm-Hose	6 24 1	68-9760	Base-Tank Fuel	15 40 1
63-9260	Manifold-Valve	25 17 1	69-9870	Asm-Wheel & Tire 6 Ply	15 * 2
66-1250	Cylinder-Hydraulic	25 * 1	69-9880	Tire-23" x 10.5" x 12" 6 Ply	15 * 2
66-1930	Nut-Lock	20 6 1	70-1380	Sleeve-Protective	12 17 1
66-1940	Piston	20 5 1	70-1390	Sleeve-Protective	12 15 1
66-2990	Cup-Spindle	19 50 2	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
67-5480	Shaft	27 2 1	70-2120	Spacer	33 43 1
67-5500	Repair Kit	27 3 1	70-2130	Clamp-Bearing to Cover	33 13 1
67-8020	Pump Shaft	23 20 1	70-2140	Bearing-Front	33 12 1
67-8050	Needle Bearing	23 35 1	70-2150	Flyweight	33 15 2
67-8190	Bracket-Engine Support	8 20 2	70-2160	Bracket-Speed Stop	33 2 1
67-8240	Bracket-Throttle	29 23 1	70-2200	Decal-Toro	3 1 1
67-8250	Rod-Throttle	29 16 1	70-2620	Elbow-90°	21 38 1
67-8310	Mount-Engine	30 13 1	71-4540	Washer-Thrust	19 7 1
67-8340	Bar-Spacer	30 16 1	71-4770	Screw	33 45 2
67-8350	Bracket-Guide Belt	30 15 1	71-4780	Seal-Oil Rocker Shaft	33 27 1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
72-3690	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 LH	19	23	1
84-5380	Strap-Hood Prop	6	49	1	93-3199	Asm-Spindle RH	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	9	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	93-8742	Pad-Brake	11	1	1
86-7060	Bracket-Hood Hold Down	7	54	1	93-8743	Pad-Turn	11	2	2
86-7220	Gear-Transmission Output	21	44	1	93-9741	Asm-Wire-Harness	5	2	1
86-7230	Spur-Gear	16	14	1	94-3304	Pedal-Traction	11	18	1
86-7921	Cover-Spark Plug Wire	32	40	4	94-3307	Pad-Front Pedal	11	47	1
86-8100	Asm-Ball Joint	35	33	2	94-3308	Pad-Rear Pedal	11	19	1
86-9370	Panel-Instrument	4	1	1	94-6934	Screw-Socket Hd.	18	21	8
86-9400	Support-Radiator	6	40	1	94-6935	Nut-Lock	18	18	8
86-9410	Support-Seat	7	52	1	94-6936	Washer	18	23	8
86-9580	Upper Housing	17	26	1	95-1821	Spring-Compression	11	9	1
86-9600	Asm-Front Axle	15	27	1	95-3093	Kit-400 Hour Filter	15	*	1
88-0070	Floor Plate	2	47	1	95-3093	Kit-400 Hour Filter	22	*	1
88-0470	Tube-Pedal Spacer	11	49	1	95-3093	Kit-400 Hour Filter	34	*	1
88-1640	Pin-Traction Pedal	11	20	1	98-3864	Brace-Lower Left	3	8	1
88-1650	Shaft-Traction Pedal	11	22	1	95-3304	Filter-Oil	39	8	1
88-1670	Bracket-Pivot	11	23	1	98-3865	Brace-Lower Right	3	6	1
88-1680	Bracket-Footrest	11	48	1	98-3866	Brace-Upper	3	3	2
88-1710	Footrest	11	50	1	98-3879	Asm-Frame	3	2	1
88-1720	Pad-Footrest	11	51	1	98-3883	Clamp-Wire	2	48	1
88-8220	By Pass Valve	23	15	1	212-93	Wire Clip	10	53	1
92-1661	Hose-Fuel	15	44	1	217-106	Wheel	19	30	2
92-1662	Hose-Fuel	15	22	1	217-116	Rim-23 x 10.5 x 12	15	*	2
92-1773	Screw-HH	16	11	4	217-117	Rim	15	29	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
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 23 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 11 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	21 21 6
2412-39	Clamp	1 24 2	322-6	Screw-HH	7 57 1
2412-39	Clamp	6 35 2	322-8	Screw-HH	21 25 2
2412-39	Clamp-R	32 10 1	322-12	Screw-HH	29 1 4
2412-42	Hose Clamp	34 10 2	322-17	Screw-HH	21 8 1
2412-74	Clamp	1 34 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	1 33 1
2412-108	Clamp	15 23 3	323-7	Screw-HH	21 39 2
2412-108	Clamp Hose	25 28 2	323-13	Screw-HH	11 32 1
2412-119	Clamp-Hose	32 3 2	323-14	Screw-HH	6 30 3
2412-133	R-Clamp	8 3 2	323-14	Screw-HH	11 56 1
2412-147	Clamp	7 58 1	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	Screw-HH	35 19 2
251-252	Ball Bearing	9 40 2	324-11	Screw-HH	32 22 2
251-252	Bearing	30 49 1	324-11	Screw-HH	30 34 2
251-259	Ball Bearing	21 5 1	324-12	Screw-HH	35 22 2
252-82	Needle Bearing	23 23 2	329-3	Screw-HH	33 16 2
253-129	Closure	19 36 2	3210-7	Screw-HH	21 6 1
254-65	Cone-Tapered Bearing	17 28 2	3210-7	Screw-HH	16 19 8
254-66	Cup-Tapered Bearing	17 27 2	3212-17	Screw-HH	30 29 1
254-72	Cup-Bearing	19 26 4	3217-5	Nut	29 22 1
254-90	Bearing Cup	17 24 1	3217-6	Nut	1 10 2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
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	31	61	1
3217-16	Nut	21	48	2	3254-2	Washer-Lock, Int. Tooth	4	18	6
3217-26	Nut-Hex.	4	21	1	3254-3	Washer-Lock	32	45	1
3217-27	Nut-Hex.	4	34	2	3254-3	Washer-Lock	29	35	1
3217-29	Nut-Hex.	4	33	6	3254-6	Washer-Lock	2	54	1
3218-5	Nut-Jam	11	3	2	3254-7	Washer-Lock	9	15	1
3218-7	Nut-Jam	12	42	1	3254-9	Washer-Lock	21	49	2
3219-1	Nut	33	1	2	3255-5	Washer-Lock	4	20	1
3219-2	Nut	16	1	8	3255-7	Washer-Lock	21	50	3
3219-2	Nut	33	29	2	3255-8	Washer-Lock	16	2	8
3219-2	Nut-Hex	21	9	1	3255-24	Washer-Lock	4	32	5
3219-3	Nut	9	33	1	3256-2	Washer-Flat	29	3	4
3219-7	Nut-Hex.	9	16	1	3256-3	Washer-Flat	21	23	4
3219-14	Nut	4	5	4	3256-3	Washer-Flat	12	28	4
3219-14	Nut	15	42	1	3256-5	Washer-Flat	17	43	2
3219-14	Nut-Hex	29	10	3	3256-6	Washer-Flat	9	20	1
3220-3	Nut-Jam	11	27	1	3256-6	Washer-Flat	21	53	1
3220-3	Nut-Jam	19	42	8	3256-21	Washer-Flat	30	23	1
3220-5	Nut-Jam	11	46	1	3256-22	Washer-Flat	11	8	1
3220-5	Nut-Jam RH Thread	19	40	2	3256-22	Washer-Flat	29	19	1
3220-6	Nut	13	27	1	3256-22	Washer-Flat	6	48	5
3220-6	Nut-Jam	19	37	4	3256-24	Washer-Flat	2	41	1
3220-7	Nut-Jam	19	29	2	3256-25	Washer-Flat	35	6	1
3220-12	Nut-Jam LH Thread	19	*	2	3256-26	Washer-Flat	11	40	1
3230-1	Bolt-Carriage	11	52	2	3256-28	Washer-Flat	9	14	4
3230-2	Bolt-Carriage	15	14	3	3256-41	Washer-Flat	9	36	4
3231-21	Bolt-Carriage	11	31	2	3256-46	Washer-Flat	12	26	2
3231-22	Bolt-Carriage	30	14	2	3256-56	Washer-Flat	29	25	1
3231-25	Screw-Carriage	3	7	4	3257-5	Key-Woodruff	9	11	3
3231-28	Bolt-Carriage	30	10	1	3257-32	Woodruff Key	21	15	1
3234-5	Screw-HHF	29	26	1	3257-32	Woodruff Key	23	21	1
3234-6	Screw-HHF	8	19	2	3257-33	Key-Woodruff	30	43	1
3234-11	Capscrew w/Locking Flange	1	23	5	3258-19	Round Hd. Machine Screw	34	4	2
3234-11	Screw-Flange Lock	30	36	5	3269-10	Washer	6	46	2
3234-11	Screw-HH	11	39	3	3269-13	Rivet	6	12	2
3234-11	Screw-HHF	8	21	6	3272-5	Pin-Cotter	11	7	3
3234-11	Screw-HHF	29	33	2	3272-6	Cotter Pin	25	8	1
3234-11	Screw-HHF	15	35	2	3272-6	Cotter Pin	9	8	1
3234-11	Screw-HHF	32	39	4	3272-6	Pin-Cotter	11	21	6
3234-12	Screw-HHF	1	7	4	3272-10	Cotter Pin	35	38	6
3234-13	Screw	19	49	2	3272-10	Cotter Pin	22	54	1
3234-14	Screw-HH	2	43	2	3272-11	Cotter Pin	35	2	2
3234-14	Screw-HHF	6	19	6	3272-11	Pin-Cotter	9	28	1
3234-17	Screw-HH	12	8	2	3272-13	Pin-Cotter	19	33	2
3234-17	Screw-HHF	8	16	4	3272-22	Pin-Cotter	9	17	2
3234-18	Screw-HHF	31	56	1	3272-24	Cotter Pin	35	10	1
3234-24	Screw-HHF	3	4	2	3272-33	Cotter Pin	35	17	1
3234-24	Screw-HHF	6	36	2	3274-47	Screw-HSFH	11	33	1
3234-25	Screw-HHF	3	5	10	3290-134	Screw Machine Hex. Hd.	4	25	4
3234-25	Screw-HHF	6	18	1	3290-144	Screw-HH	2	53	4
3234-32	Screw-HHF	19	3	6	3290-144	Screw-Machine	1	15	6
3239-1	Bolt-Carriage	1	36	5	3290-224	Washer-Pyramidal	31	55	1
3241-5	Screw-Sq. Hd. Set	31	52	2	3290-271	Rivet	6	10	4
3241-5	Square Hd. Set Screw	21	16	2	3290-357	Nut-Lock, Flange	30	2	12
3246-1	Screw-Set	9	46	2	3290-357	Nut-Lock, Flange	32	14	5
3246-3	Screw-Set	9	29	4	3290-357	Nut-Lock, Flange	29	15	2
3249-11	Screw-Round Hd. Mach.	21	1	2	3290-357	Nut-Lock, Flange	8	22	6
3250-29	Screw-PH	30	22	1	3290-357	Nut-Lock, Flange	1	25	5
3253-3	Washer-Lock	15	2	2	3290-360	Screw Machine Hex. Hd.	4	26	1
3253-3	Washer-Lock	29	21	1	3290-378	Cable Tie	1	21	2
3253-4	Washer-Lock	29	2	4	3290-379	Cable Tie	4	24	A/R
3253-4	Washer-Lock	1	8	2	3290-379	Cable-Tie	31	58	A/R
3253-6	Washer-Lock	35	7	2	3290-379	Tie-Cable	12	16	A/R
3253-12	Washer-Lock	29	17	1	3290-379	Tie-Cable	6	31	A/R
3253-17	Washer-Lock	15	41	1	3296-2	Nut-Lock	1	17	9
3253-21	Washer-Lock	11	29	4	3296-5	Nut-Lock	33	23	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. Ref.			Part No.	Description	Pg. Ref.		
		No.	No.	Qty.			No.	No.	Qty.
3296-6	Nut-Lock	9	34	1	32128-43	Nut-HF	11	55	2
3296-12	Nut-Lock	4	29	5	32136-2	Nut	35	3	2
3296-16	Nut-Lock	6	47	1	32144-10	Screw-HWHTF	12	6	6
3296-16	Nut-Lock	10	74	1	32144-10	Screw-Self Tapping	2	44	11
3296-20	Nut-Lock	29	12	1	32144-10	Screw-TAP	6	1	5
3296-20	Nut-Lock	12	30	4	32144-10	Screw-TAP	25	4	2
3296-28	Nut-Lock	9	27	1	32144-10	Screw-TAP	8	4	2
3296-29	Nut-Lock	21	4	1	32144-14	Screw-TAP	19	48	2
3296-29	Nut-Lock	1	35	2	32144-21	Screw	12	45	1
3296-29	Nut-Lock	12	36	2	32144-53	Screw-HWHTF	15	7	5
3296-38	Nut-Hex Flange	30	32	1	32144-67	Screw-Thread Forming	15	32	4
3296-42	Nut-Lock	21	10	6	32144-112	Thread Forming Screw	16	13	8
3296-42	Nut-Lock	25	10	5	32146-20	Nut-Lock	19	6	1
32103-2	Nut-Wing	1	13	2	32148-9	Insert-Threaded	3	12	1
32103-2	Nut-Wing	6	41	2	32149-2	Nut	11	37	1
32104-6	Screw-TAP	10	56	4	32151-36	Ring-Retaining	19	16	3
32104-96	Screw-HH	15	3	1	32151-46	Retaining Ring	23	27	2
32104-109	Screw-HHF	6	16	4	32151-104	Ring-Retaining	19	9	2
32107-11	Nut	34	2	2	32152-1	Nut-Lock	21	19	8
32120-8	Retaining Ring	23	1	1	32153-2	Nut-Hex.	12	11	2
32120-11	Retaining Ring	23	47	1	32153-2	Nut-Lock	11	30	2
32120-15	Retaining Ring	23	45	1	32153-2	Nut-Lock	31	57	1
32120-22	Ring-Retaining	9	42	2	33014-00	Nut	31	60	1
32120-22	Ring-Retaining Int.	30	50	1	33094-00	Washer-Flat	29	31	1
32120-69	Ring-Retaining Ext.	31	51	1	33113-025	Screw-Metric	30	6	3
32120-72	Ring-Retaining External	21	43	1	33114-020	Screw-HH	29	32	1
32121-6	Roll Pin	21	11	1	33114-030	Screw-HH	32	41	2
32121-9	Pin-Roll	9	49	1	33114-030	Screw-Metric	30	5	1
32121-15	Roll Pin	17	30	1	33114-045	Screw-Metric	30	3	4
32121-16	Pin-Roll	11	24	1	33115-020	Screw-HH	32	44	1
32121-24	Roll Pin	22	55	1	33115-020	Screw	29	34	1
32121-51	Pin-Hub To Shaft	33	44	1	33115-025	Screw-Metric	30	33	2
32121-73	Pin Slotted Spring	25	9	1	33115-030	Screw-Metric	30	27	3
32121-84	Roll Pin	35	25	2	340-54	Fitting-45°	19	13	1
32121-91	Coil Spring Pin	23	49	3	340-70	Nut-Lock, Bulkhead	6	28	2
32128-13	Nut-Lock, Flange	2	37	5	340-71	Union-Bulkhead	6	27	2
32128-20	Nut-Flange	15	33	3	340-77	Elbow	21	12	1
32128-20	Nut-Flange	12	41	1	340-97	Fitting-90°	25	25	1
32128-20	Nut-HF	6	26	7	340-99	Fitting-90° Elbow	25	12	1
32128-20	Nut-Lock, Flange Hd.	34	13	4	340-99	Elbow	21	13	1
32128-21	Nut-HF	6	25	3	340-110	Elbow-90°	25	24	1
32128-21	Nut-Lock HFH	3	9	4	340-112	Elbow 90°	25	18	1
32128-23	Nut-Lock, Flange	19	2	4	353-508	Plug-Drain	21	41	1
32128-23	Nut-Lock, Flange	30	44	2	353-512	Plug	25	1	1
32128-25	Nut-Flange Lock	11	53	2	353-536	Fitting-Tank, Fuel	15	8	2
32128-33	Nut-HHF	29	8	4	353-550	Plug-Hex. Hd.	23	19	2
32128-33	Nut-Lock, Flange	6	39	2	353-551	Plug-HH	23	32	1
32128-37	Nut-Lock, Flange	32	19	2	353-987	Elbow	21	35	1
32128-37	Nut-Lock, Flange	30	45	2	384007-S	Clamp-Valve	30	21	1
32128-42	Nut-Flange	35	27	4					

*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.

TABLE OF CONTENTS

Description	Page	Description	Page
Main Frame Asm	1-3	Valve and Cylinder Asm	25
Instrument Panel Asm	4	Hydraulic Lift Cylinder Asm	
Electrical Schematic	5	No. 66-4250 (2-1/2" Bore)	26
Radiator & Hood Asm	6-7	Hydraulic Lift Cylinder Asm	
Interlock Asm	8	No. 66-1250 (3" Bore)	27
Power Take Off Asm	9-10	Control Valve Asm No. 43-1710	28
Brake Pedal Asm	11	Engine Asm	29-32
Power Steering Asm	12	Governor Asm No. 67-8360	33
Power Steering & Valve Asm No. 92-7308	13	Air Cleaner Asm	34
Hydraulic Schematic	14	Push Arm Asm	35
Front Axle and Fuel Tank Asm	15	Crankshaft & Camshaft Asm	36-38
Front Axle Asm No. 86-9600	16-17	Oil Filter & Pump Asm	39
Brake Asm	18	Cylinder Head & Valve Asm	40
Rear Wheel & Axle Asm	19	Manifold Asm	41
Hydraulic Steering Cylinder Asm		Carburetor Asm	42
No. 92-7828	20	Ignition & Fuel Pump Asm	43
Hydrostatic Transmission	21-22	Starter Motor Asm	44
Transmission Asm No. 92-8947	23-24	TORO Part Number Index	45-51