FORM NO. 3317–143

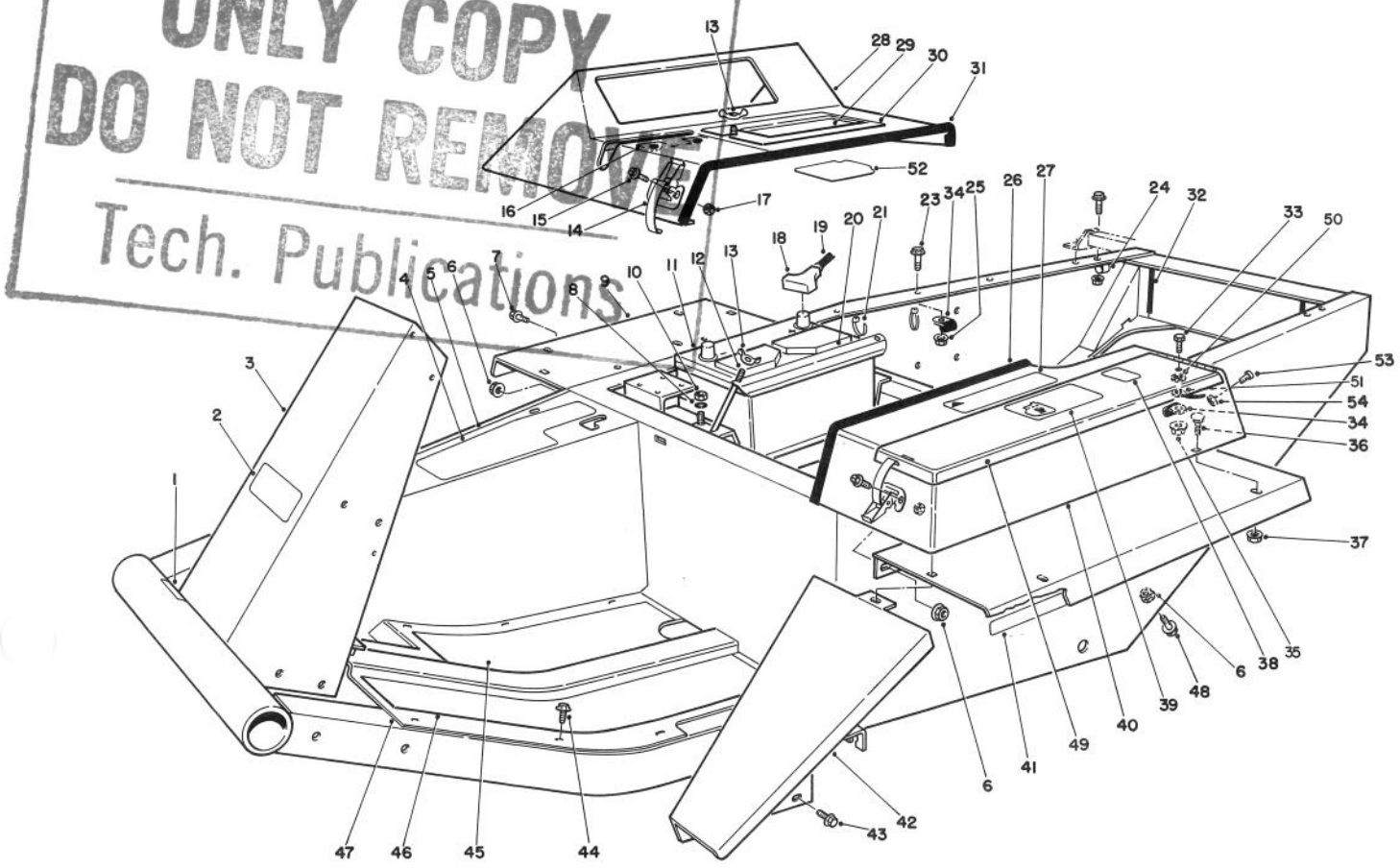
TORO®

MODEL NO. 30789–50001

PARTS CATALOG

GROUNDSMASTER® 345
TRACTION UNIT

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Tech. Publications



T–0913C

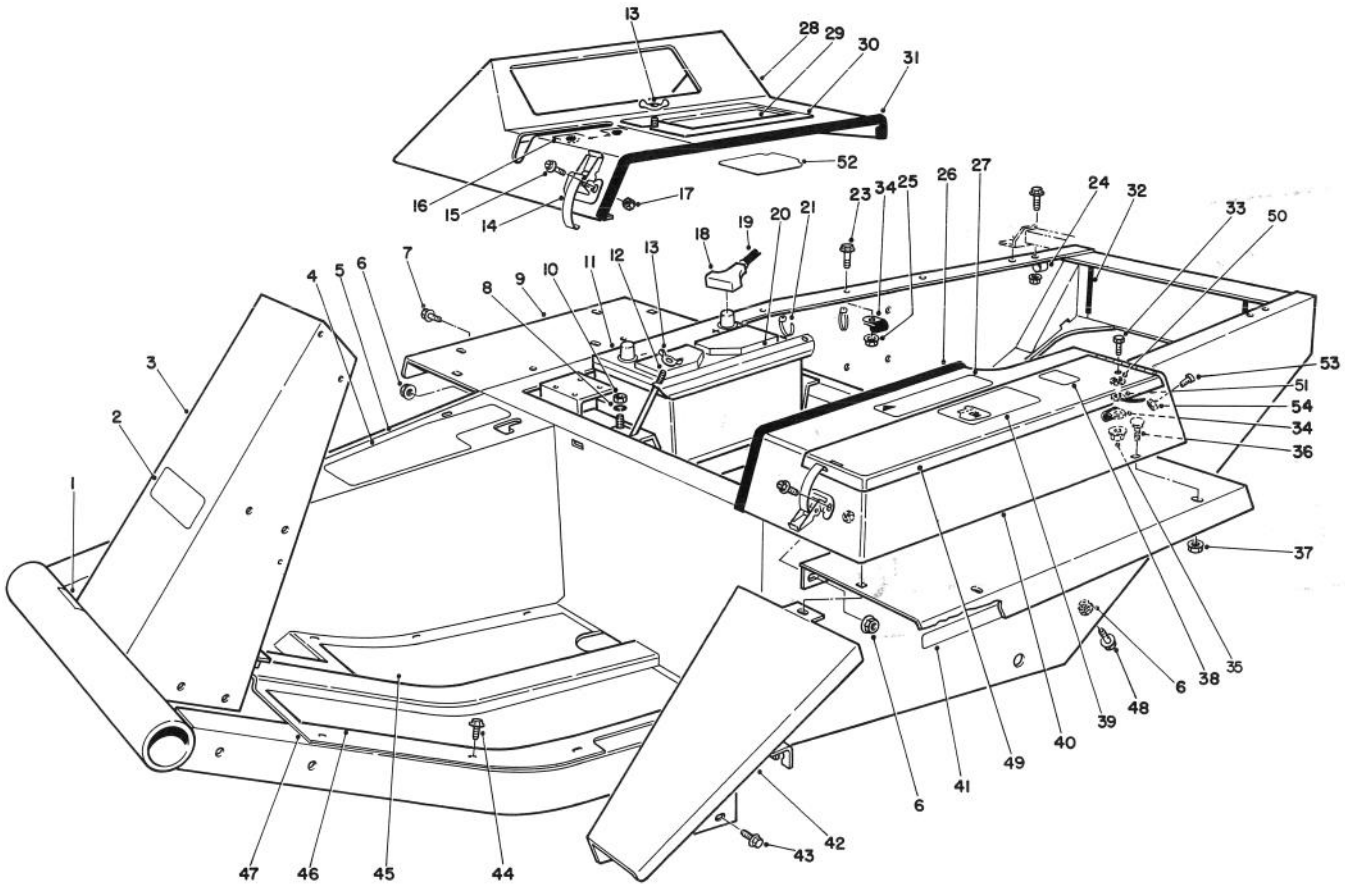
MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–7320	Decal – Traction Pedal	1
2	70–2200	Decal – Toro	1
3	82–8980	Frame (Incl. Ref. #48)	1
4	66–6390	Decal – Caution	1
5	21–2660	Footrest	1
6	32128–21	Nut – Lock, Flange	10
7	3234–12	Screw – Flange Hex. Hd.	4
8	3253–4	Washer – Lock	2
9	72–3690	Fender	2
10	3217–6	Nut	2
11	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	6
18	28–1280	Boot – Cable	1
†19		Cable – Battery Positive	1
20	24–6420	Hold Down – Battery	1
21	3290–378	Cable Tie	2
23	3234–11	Capscrew w/Locking Flange	5
24	2412–39	Clamp	2
25	3290–357	Nut – Lock, Flange	5
26	37–9650	Trim	1
27	67–1710	Decal – Caution	1
28	38–4550	Instrument Cover	1
29	92–7802	Decal – Starting Instructions	1
30	92–7800	Cover – Battery Access (Incl. Ref. #29 & 52)	1
31	39–8020	Trim–Instrument Cover	1

†Obtain Locally

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TPS

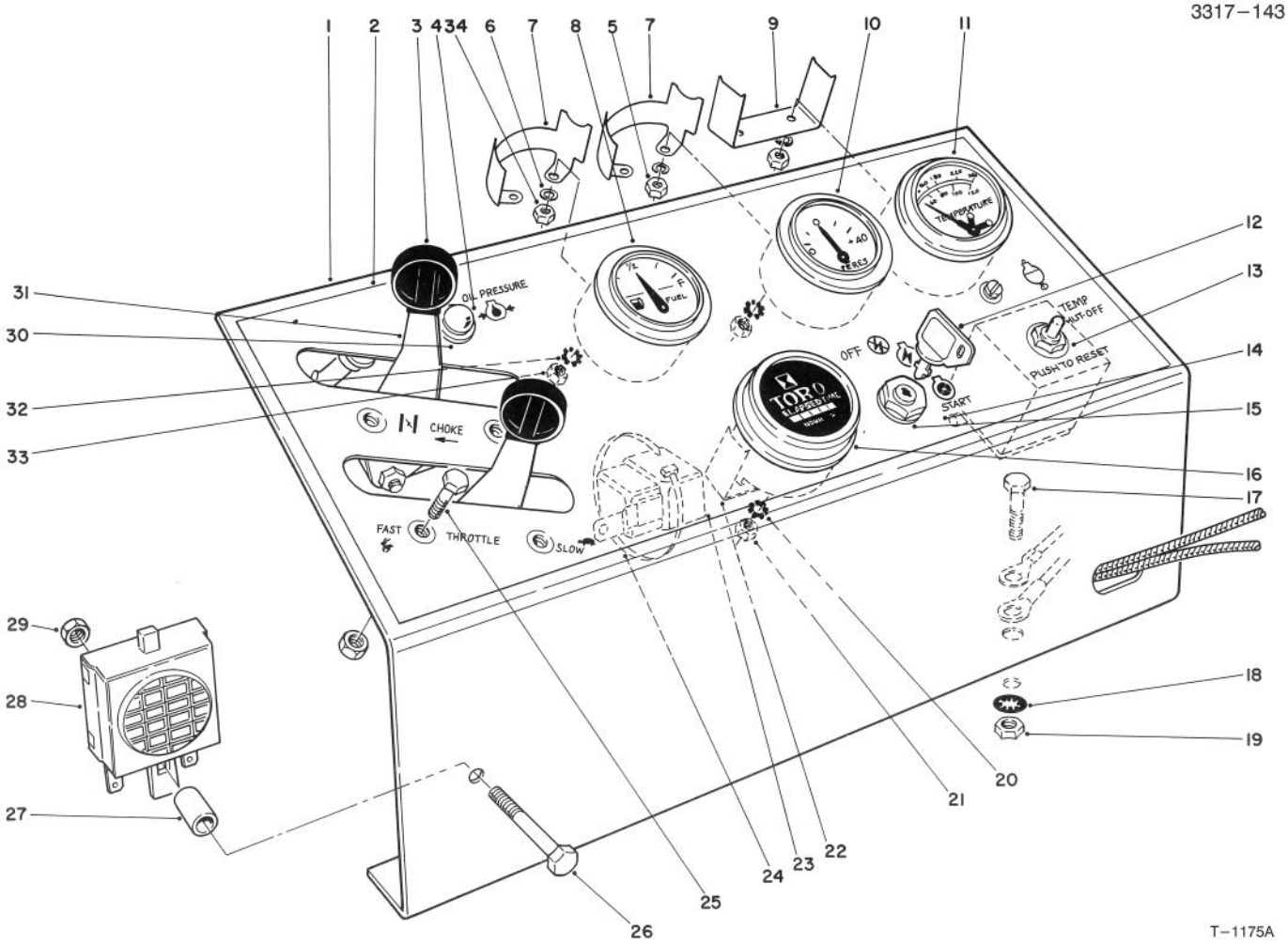


T–0913C

MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	43–4300	Trim – Rear Frame	2
33	322–5	Screw – Cap, Hex. Hd.	1
34	2412–74	Clamp	2
35	32128–20	Nut – Lock, Flange	1
36	3229–1	Bolt – Carriage	5
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	67–1720	Decal – Torque	2
42	68–8610	Fender – Extension	1
43	3234–14	Screw – Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
44	32144–10	Screw – Self Tapping	11
45	21–2770	Pad – Foot Rest R.H.	1
46	21–2760	Pad – Foot Rest L.H.	1
47	88–0070	Floor Plate	1
48	3234–25	Screw – Hex. Flange Hd.	4
49	93–3184	Cover (Incl. Ref. # 39)	1
50	3254–2	Washer – Lock Internal	1
51	18–2770	Cable – Ground	1
52	92–7801	Shield – Cover, Battery	1
53	3250–29	Screw – Pan Hd.	3
54	3296–54	Nut – Lock	3

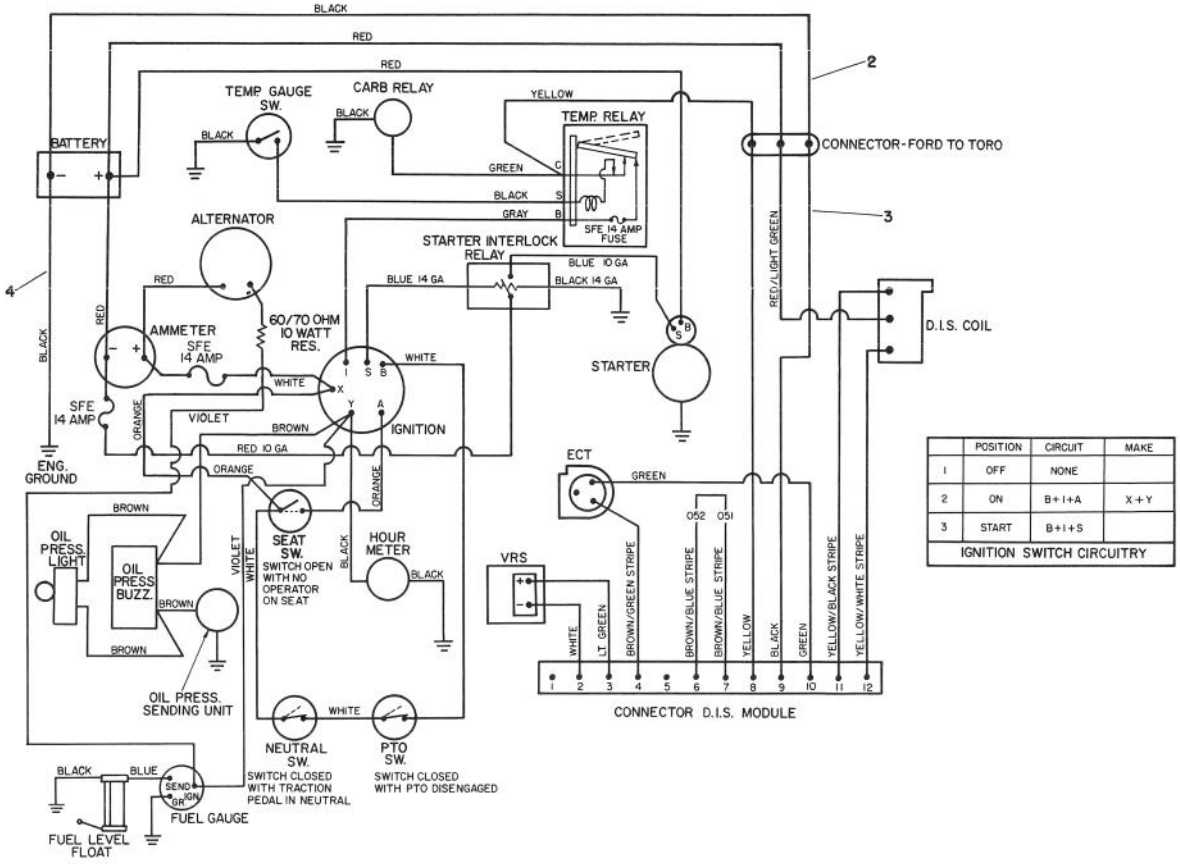


T–1175A

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
17	322–5	Screw – Cap, Hex. Hd.	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	1
25	3290–134	Screw Machine Hex. Hd.	4
26	3290–360	Screw Machine Hex. Hd.	1
27	22–7810	Spacer	1
28	22–7820	Buzzer Assembly	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

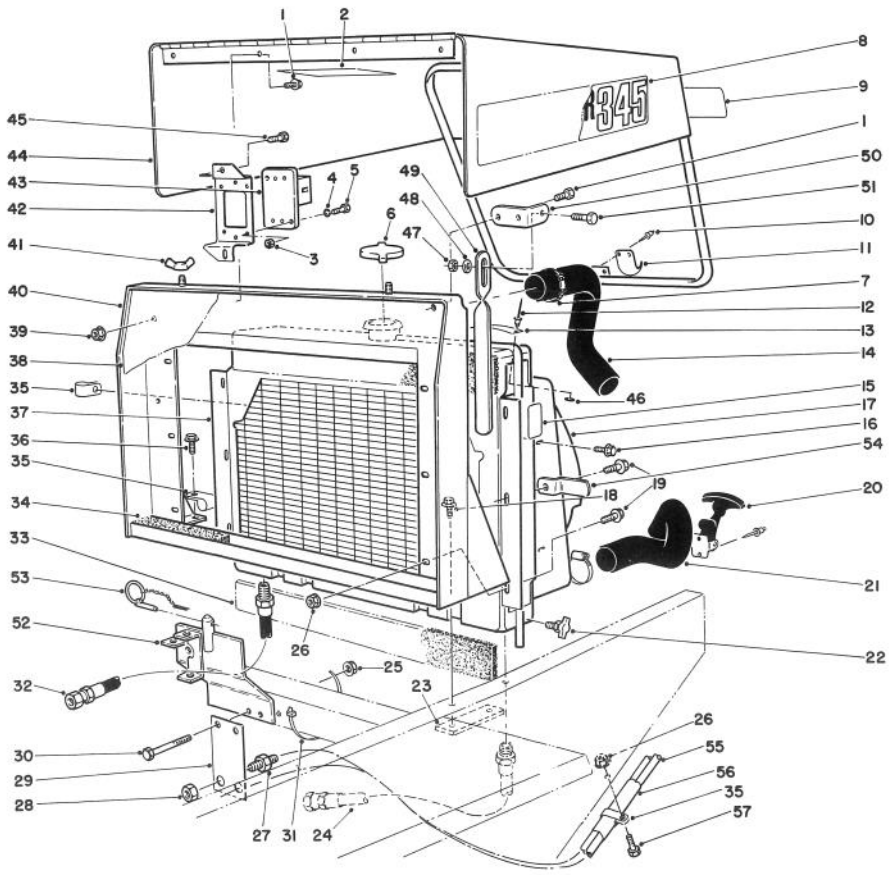


T–0915A

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	93–0105	Wire – Harness Assembly	1
†3	E9JL–12A200–AC	Wire – Harness (Ford)	1
4	67–8540	Cable – Ground	1

†Obtain from your local Ford Power Products Dealer.



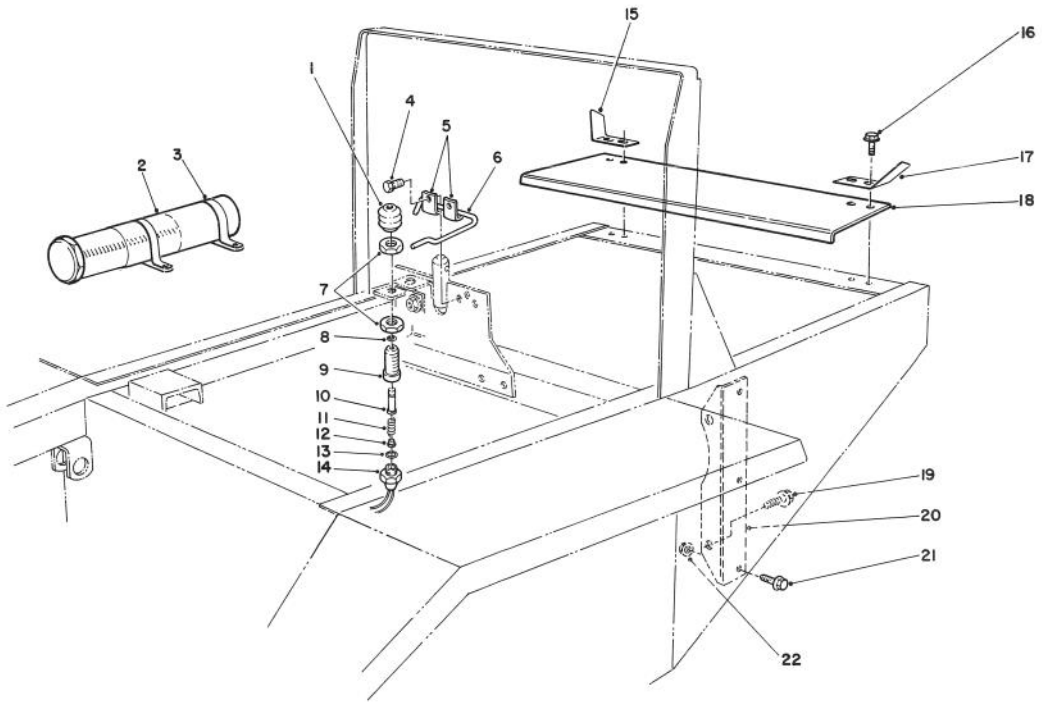
T–0916B

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144–10	Screw – Hex. Self–Tapping	5
2	82–8970	Decal – Coolant Engine	1
3	48–7890	Nut – Metric	2
4	43–5930	Washer – Metric	2
5	48–7630	Screw – Metric	2
6	66–3240	Cap – Pressure Radiator	1
7	2412–3	Clamp – Hose	4
8	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	32104–116	Screw – Flange, Hex Hd.	4
17	67–8640	Shroud – Radiator	1
18	3234–1	Screw – Cap, Flange Hd.	2
19	3234–14	Screw – Flange, Hex Hd.	6
20	59–9740	Latch – Draw (Inc. Ref. #11)	1
21	67–8660	Hose – Radiator Lower	1
22	304–46	Draincock	1
23	38–4600	Bar – Frame L.H.	1
24	63–9010	Hose Assembly (Cooler to Pump)	1
25	32128–21	Nut – Flange Head	3
26	32128–20	Nut – Flange Head	7
27	340–71	Union – Bulkhead	2
28	340–70	Nut – Lock, Bulkhead	2

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

†Obtain from your local Ford Power Products Dealer.

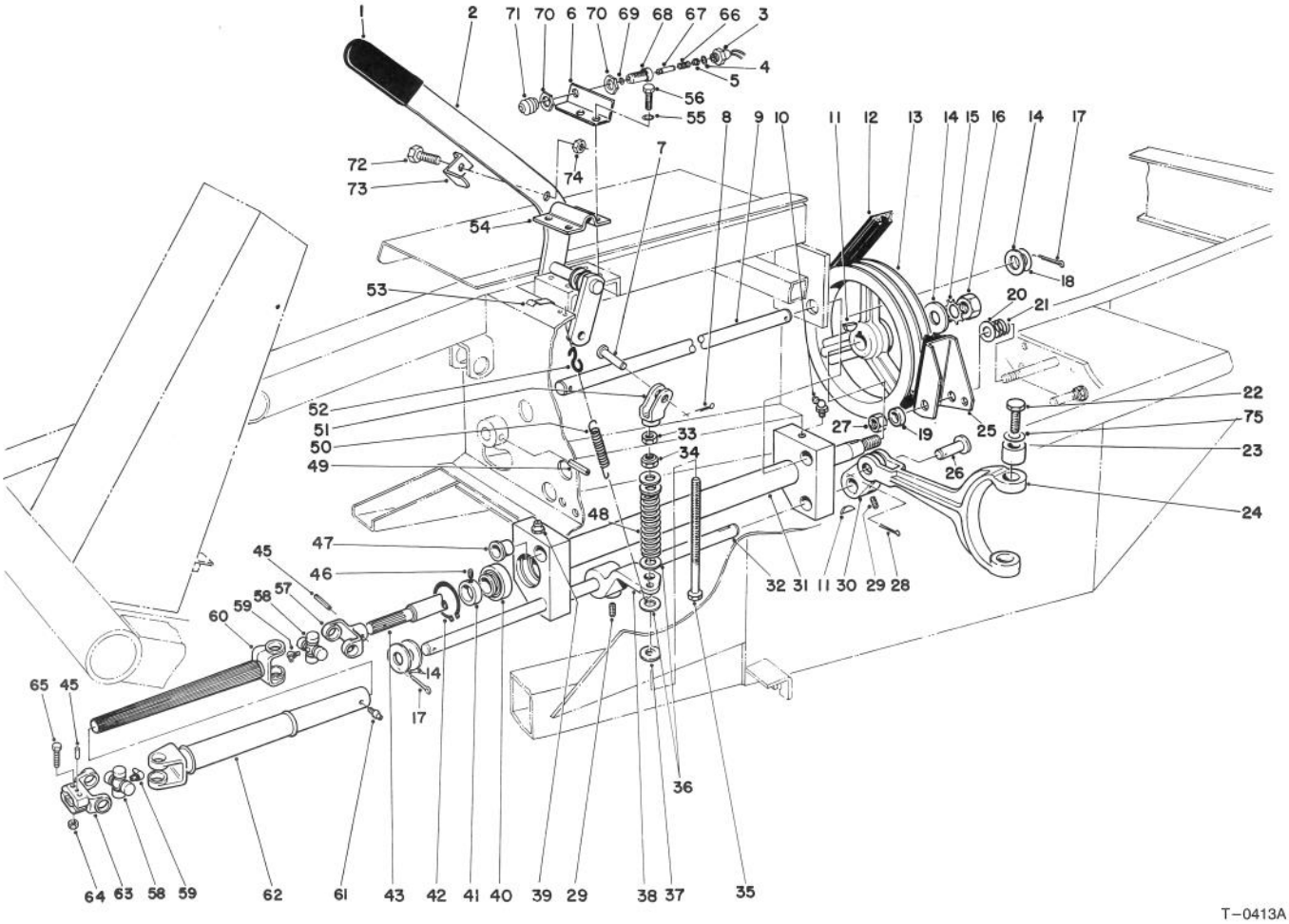


T–0917A

INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43–8870	Boot – Switch	1
2	74–0720	Tube – Manual	1
3	2412–133	R–Clamp	2
4	32144–10	Screw – Self Tapping	2
5	3–6657	Clip	2
6	86–7040	Rod – Seat Prop	1
7	218–461	Nut – Jam	2
8	237–7	Seal – 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	Seal – O–Ring	1
14	72–4320	Switch – Ball	1
15	62–3010	Bracket – R.H.	1
16	3234–17	Screw – Cap Flange Hd.	4
17	62–3020	Bracket – L.H.	1
18	70–1890	Guard – Flywheel	1
19	3234–6	Screw – Cap Flange Hd.	2
20	67–8190	Bracket – Engine Support	2
21	3234–11	Screw – Cap Flange Hd.	6
22	3290–357	Nut – Lock, Flange	6
*	43–9071	Assembly – Switch (Incl. Ref.#1, 7–14, Qty. 1 of Item #7)	1

*Not Illustrated

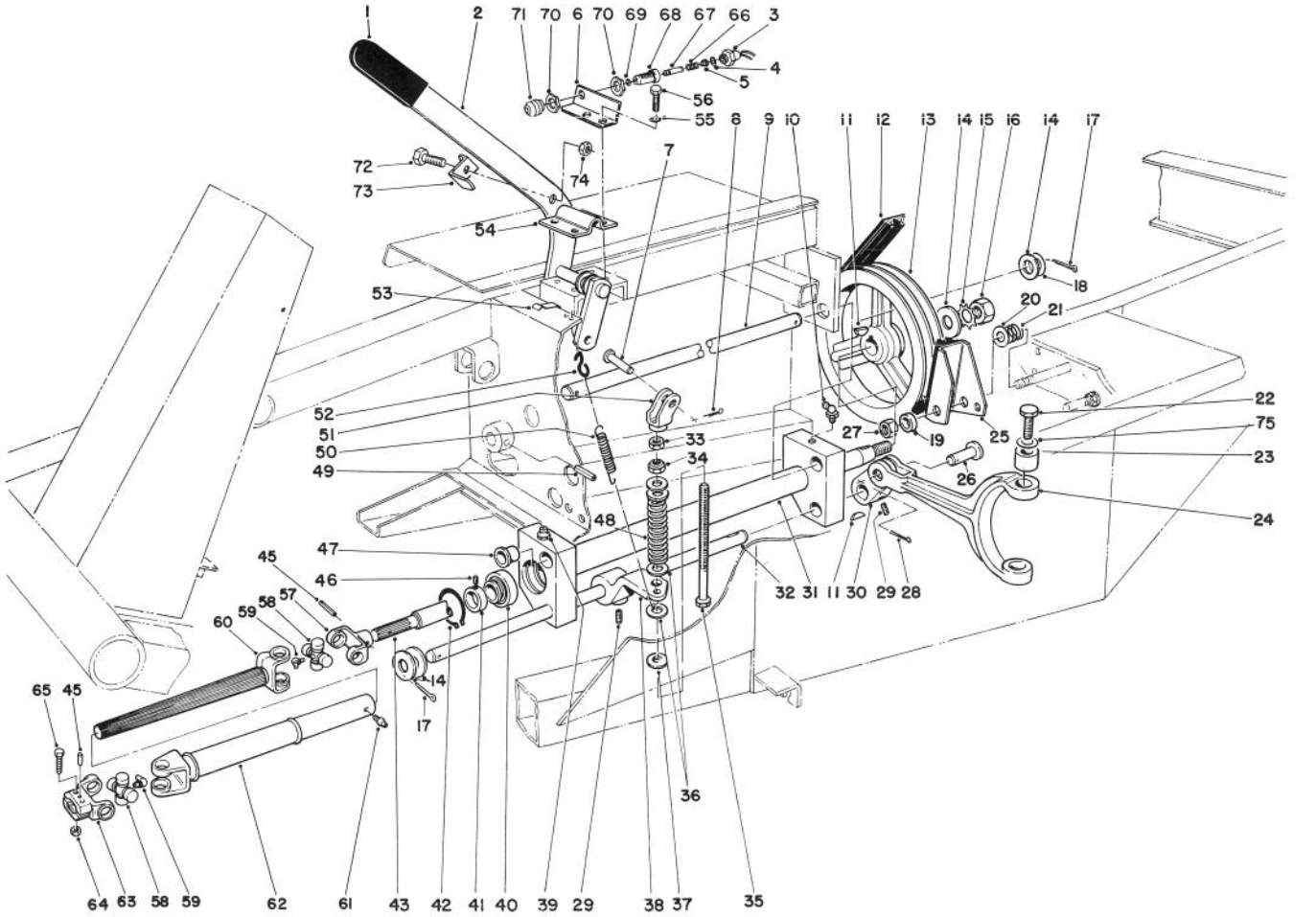


T–0413A

POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21–1880	Grip Handle	1
2	84–8500	Lever – P.T.O.	1
3	72–4320	Switch – Ball	1
4	237–30	Seal – O–Ring	1
5	43–8610	Guide – Spring & Ball Seat	1
6	84–8520	Bracket – P.T.O. Switch	1
7	283–42	Clevis Pin	1
8	3272–10	Cotter Pin	1
9	43–3860	Shaft – Pivot P.T.O.	1
10	302–10	Fitting – Grease	1
11	3257–5	Key – Woodruff	3
12	53–9660	V–Belt Torque Team	1
13	21–0230	Pulley – P.T.O.	1
14	3256–28	Washer – Flat	4
15	3254–7	Washer – Lock	1
16	3219–7	Nut – Hex.	1
17	3272–22	Pin – Cotter	2
18	3–6498	Washer	A/R
19	3–8812	Spacer	1
20	3256–6	Washer – Flat	1
21	5–1747	Spring	1
22	92–5727	Screw – Cap, Hex. Hd.	2
23	92–5723	Bushing – P.T.O. Fork	2
24	92–4060	Fork P.T.O.	1
25	27–7370	Brake Assembly P.T.O.	1
26	93–3769	Clevis Pin	1

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



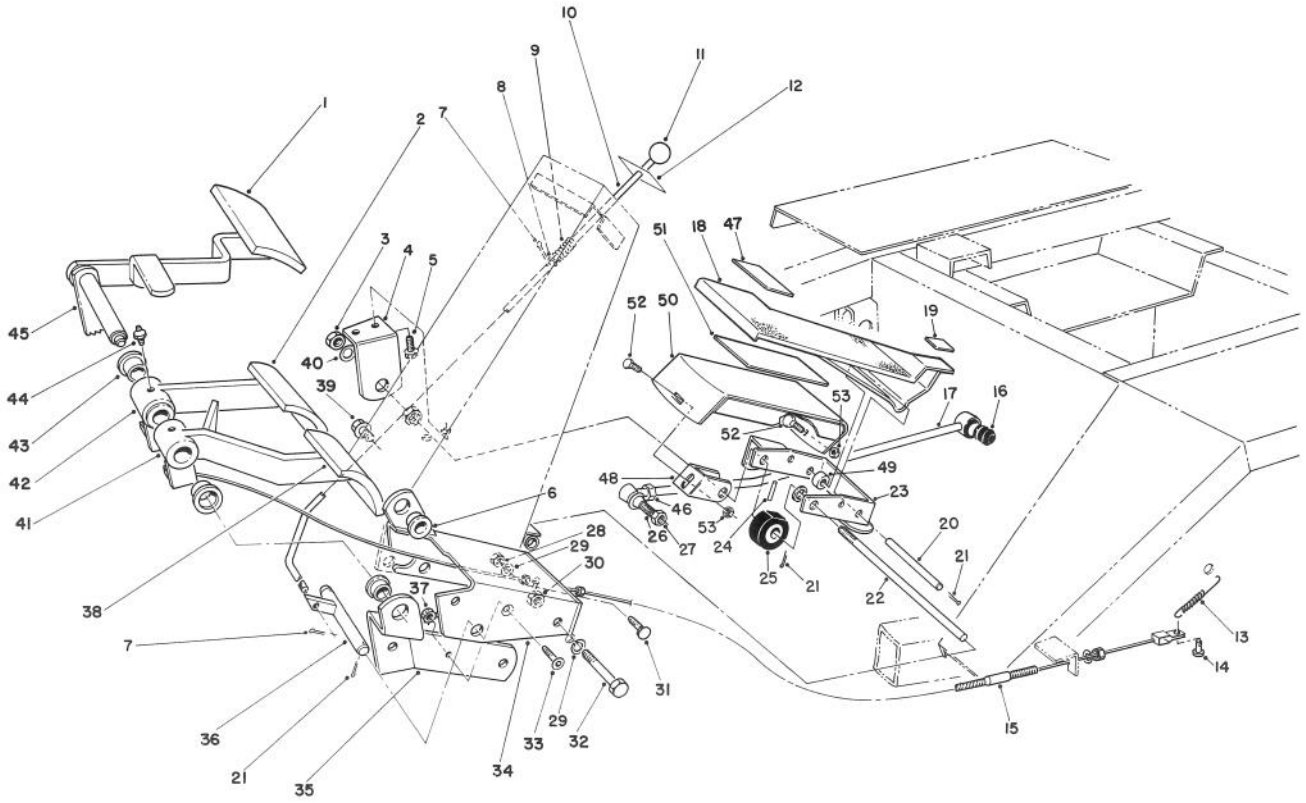
T–0413A

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	5–0701	Spring Anchor	1
53	212–93	Wire Clip	1
54	21–1600	Clamp P.T.O. Lever	1
55	3253–21	Washer – Lock	4
56	32104–6	Screw – Hex. Hd. Tapping	4
57	62–3800	Yoke – End	1
58	54–9180	Kit – U–Joint	2
59	62–3820	Fitting – Grease	2
60	62–3290	Shaft – Slip Yoke	1
61	302–58	Fitting – Grease	1
62	62–3790	Tube – Slip Yoke	1
63	54–9040	Yoke – End (Split)	1
64	3296–29	Nut – Lock	2
65	322–9	Screw – Cap Hex. Hd.	2
66	43–8600	Spring – Compression	1

Ref. No.	Part No.	Description	No. Used
67	43–8860	Plunger – Switch	1
68	43–8620	Guide – Switch Pin	1
69	237–7	Seal – O–Ring	1
70	218–461	Nut – Jam	2
71	43–8870	Boot – Switch	1
72	321–4	Screw – Cap Hex. Hd.	1
73	86–7050	Bracket – Switch Actuator	1
74	3296–16	Nut – Lock	1
75	75–9890	Washer – Shim	A/R
*	43–9071	Assembly – Switch (Incl. Ref. #3–5 & 66–71) (Qty. 1 of Item #70)	1
*	84–4890	Assembly – Drive Shaft (Incl. Ref. #57–63)	1

*Not Illustrated



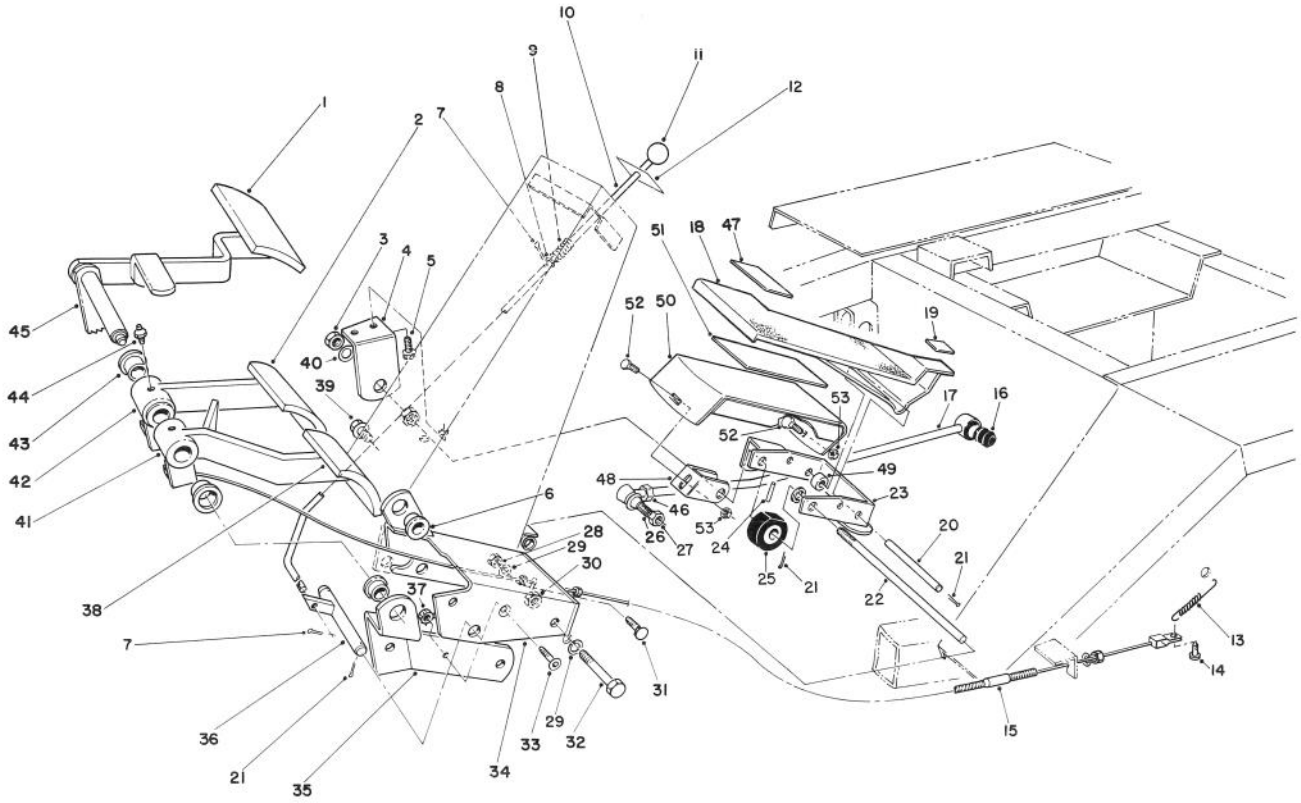
T–0415A

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7–3900	Pad – Brake	1
2	27–7580	Pad – Right Turn	1
3	3218–5	Nut – Jam	2
4	21–2850	Mount – R.H. Pedal	1
5	11–0590	Screw – Hex. Hd. Tapping	2
6	256–156	Bushing	5
7	3272–5	Pin – Cotter	3
8	3256–22	Washer – Flat	1
9	3–3251	Spring – Compression	1
10	82–8670	Rod – Brake Latch	1
11	233–17	Knob	1
12	82–8930	Decal – Parking Brake	1
13	3–7243	Spring – Extension	2
14	283–58	Pin – Clevis	2
15	21–3380	Cable – L.H. Brake	1
*	21–3370	Cable – R.H. Brake	1
16	23–2270	Bushing – Rubber	1
17	23–2240	Rod – Pump Control	1
18	88–0530	Pedal – Traction	1
19	88–1740	Pad – Rear Pedal	1
20	88–1640	Pin – Traction Pedal	1
21	3272–6	Pin – Cotter	6
22	88–1650	Shaft – Traction Pedal	1
23	88–1670	Bracket – Pivot (Inc. Ref. #6)	1
24	32121–16	Pin – Roll	1

Ref. No.	Part No.	Description	No. Used
25	28–5220	Wheel – Friction	1
26	21–0141	Socket Assembly R.H.	1
27	3220–3	Nut – Jam	1
28	3217–7	Nut – Hex	2
29	3253–21	Washer – Lock	4
30	32153–2	Nut – Lock	2
31	3231–21	Bolt – Carriage	2
32	323–13	Screw – Cap, Hex. Hd.	2
33	3274–47	Screw – Flat Hd. Socket	1
34	27–7590	Mount – Brake	1
35	27–9270	Mount – Brake Pivot Shaft	1
36	27–7640	Shaft – Brake Latch	1
37	32149–2	Nut	1
38	27–7570	Pad – Left Turn	1
39	3234–11	Screw – Cap, Hex. Hd .	3
40	3256–26	Washer – Flat	1
41	27–7490	Pedal – L.H. Brake (Incl. Ref. #43)	1
42	27–7510	Pedal – R.H. Brake (Incl. Ref. #43)	1
43	256–10	Bushing	4
44	302–5	Fitting – Grease	2
45	27–8550	Pedal – Parking Bake	1
46	3220–5	Nut – Jam	1
47	88–1730	Pad – Front Pedal	1
48	88–1680	Bracket – Footrest	1

*Not Illustrated



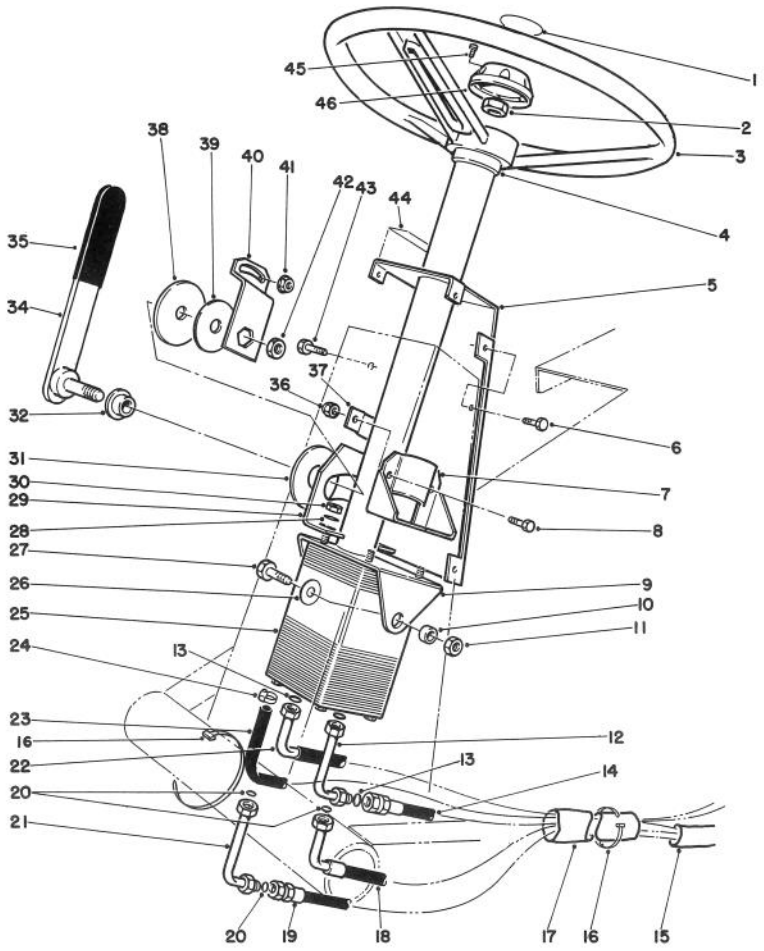
T–0415A

BRAKE PEDAL ASSEMBLY (Continued)

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

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

*Not Illustrated

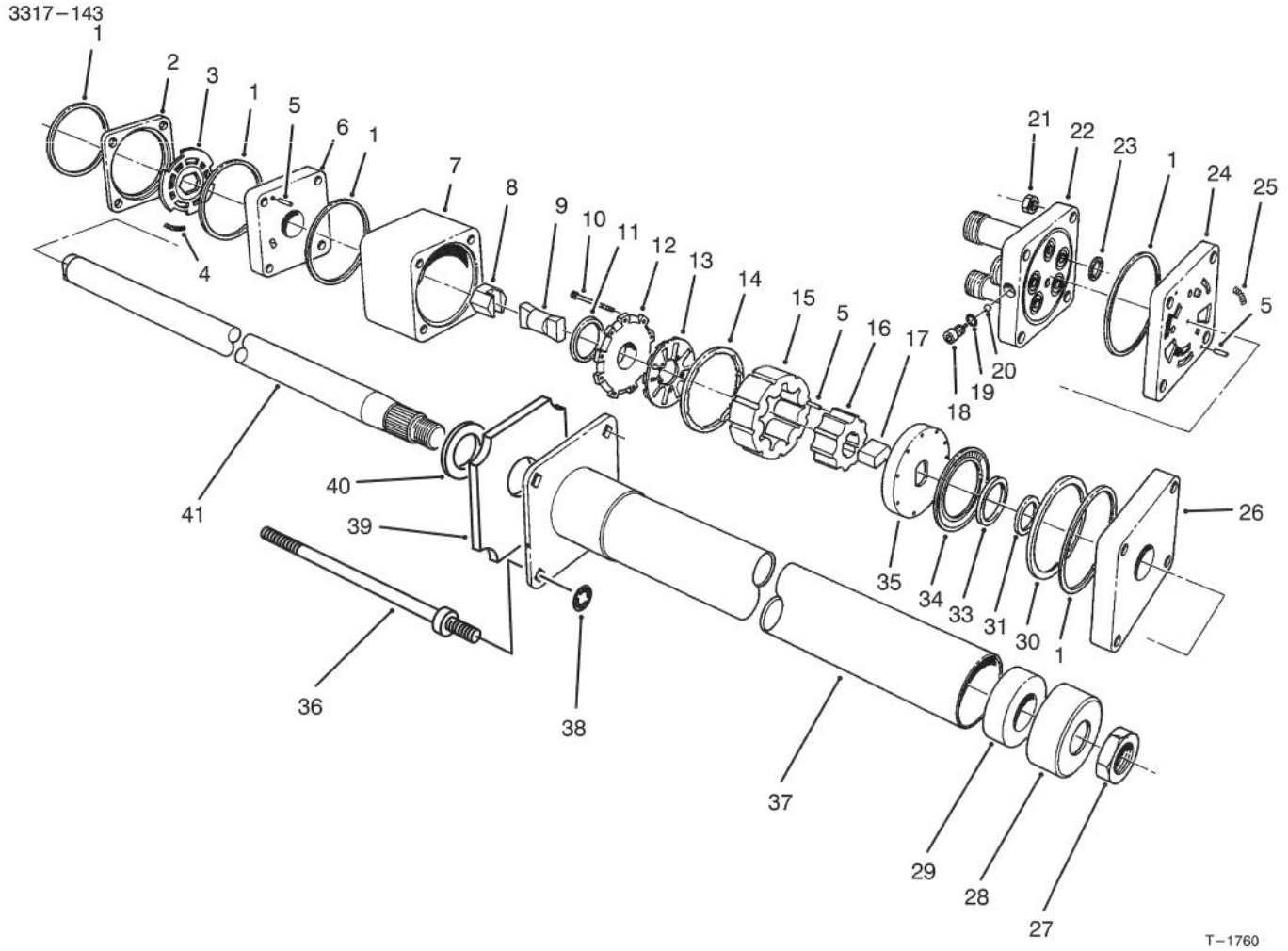


T–1187A

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	Steering Wheel Assembly (Incl. Ref. #45 & 46)	1
4	21–9260	Cover – Dust	1
5	82–8660	Cover – Tower	1
6	32144–10	Screw – Hex. Thd. Form	6
7	67–8690	Support – Column	1
8	3234–17	Screw – Cap, Hex. Hd.	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	3
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 – Cap, Hex. Hd.	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 – Cap, Hex. Hd.	1
44	82–8940	Decal – Steering, Tilt	1
45	32144–21	Screw	1
46	68–5140	Cap – Wheel, Steering	1



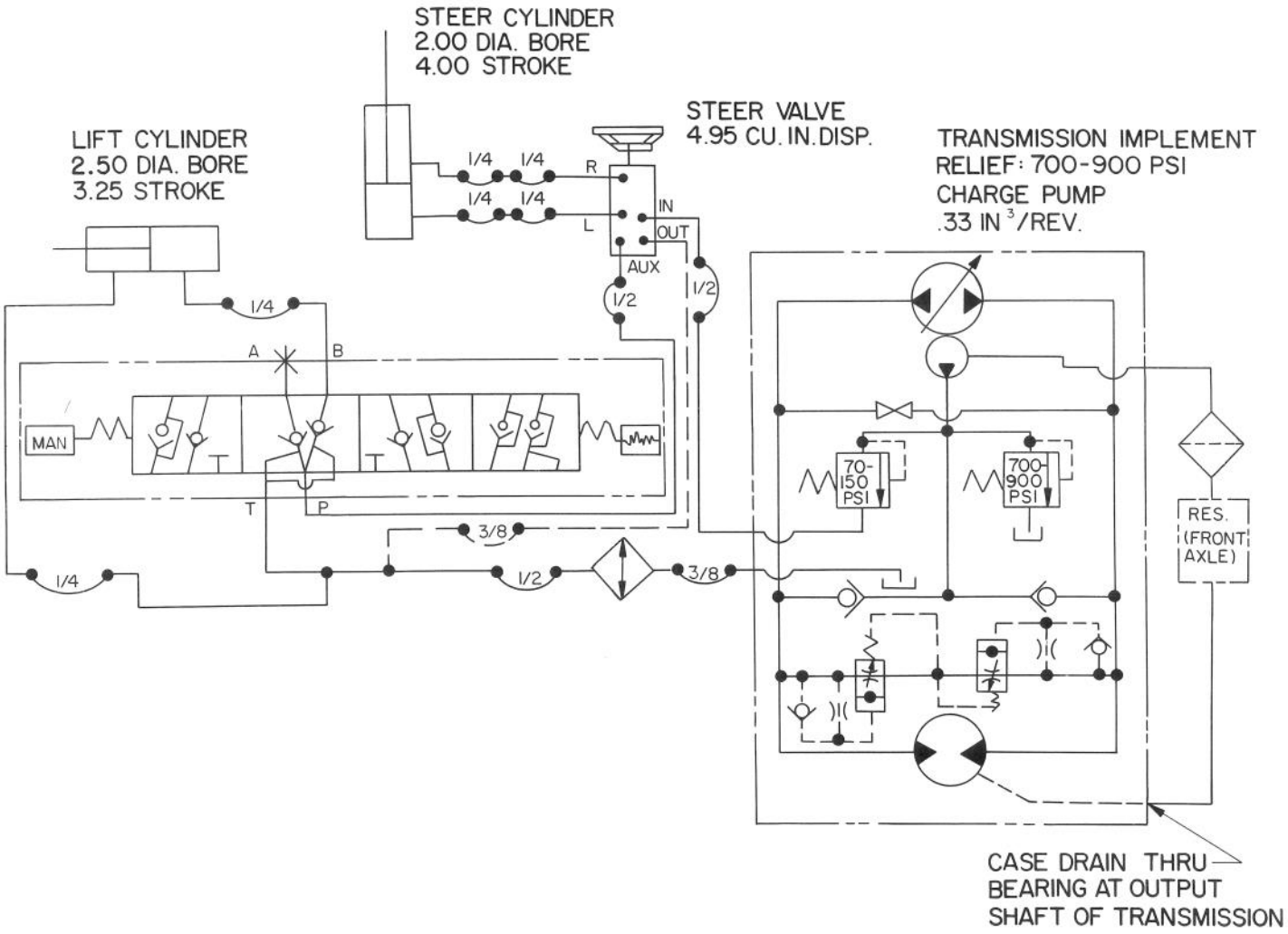
POWER STEERING & VALVE ASSEMBLY NO.92–7308

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

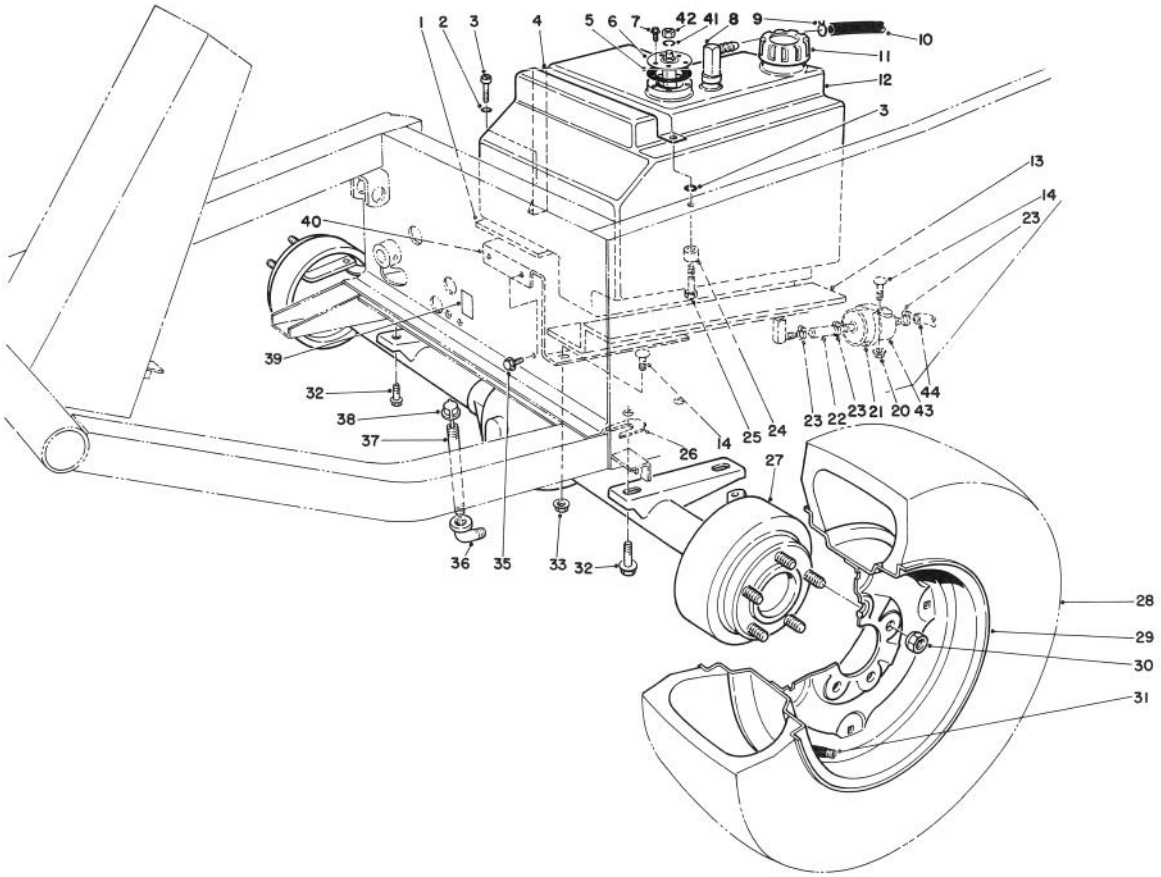
Ref. No.	Part No.	Description	No. Used
26		Plate – Upper Cover	1
27	3220–6	Nut	1
28	92–7315	Seal	1
29		Bearing	1
30		Spacer – Thrust Bearing	1
31		Spacer – Seal	1
33		Seal—Face	1
34		Bearing – Thrust	1
35		Plate – Drive	1
36	92–7310	Bolt – Special	4
37		Upper Cover & Jacket	1
38	92–7316	Nut – Push On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

*Not Illustrated

HYDRAULIC SCHEMATIC



T–0418

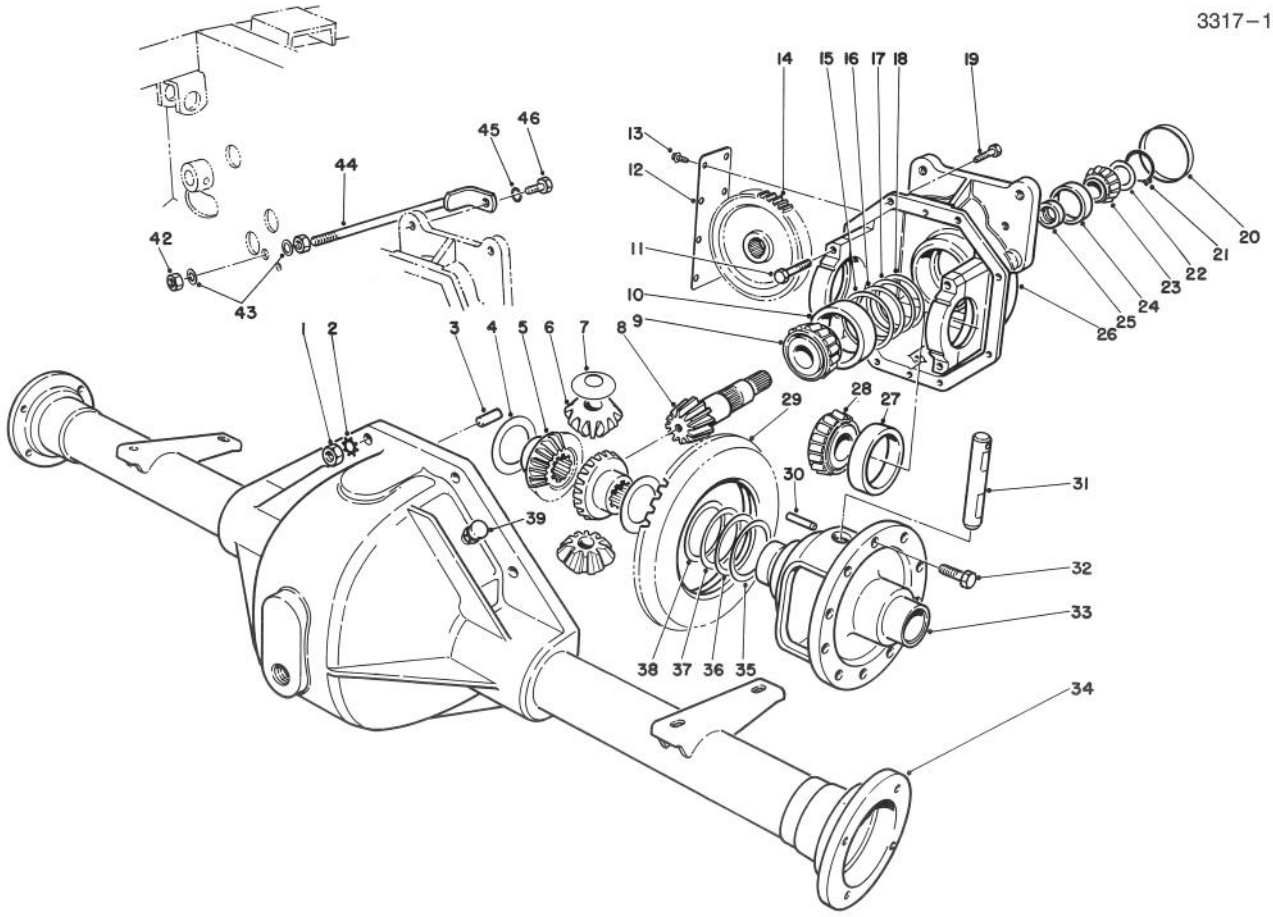


T–0918A

FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21–3600	Foam – Support Tank	1
2	3253–3	Washer – Lock	2
3	32104–96	Screw – Cap, Hex Hd.	1
4	37–9550	Strap – Tank Fuel	1
5	62–7650	Gasket – Tank Fuel	1
6	62–6840	Sender – Fuel Level	1
7	32144–53	Screw – Thread Forming	5
8	353–536	Fitting – Tank Fuel	2
9	2412–6	Clamp	1
10	63–7630	Hose – Vent Fuel	1
11	55–3574	Cap – Tank Fuel	1
12	43–9110	Tank – Fuel (Incl. Ref. #8)	1
13	21–3610	Foam – Support Tank	1
14	3230–2	Bolt – Carriage	3
21	2412–96	Clamp – R	1
22	92–1662	Hose – Fuel	1
23	2412–108	Clamp	3
24	22–7810	Spacer	1
25	321–6	Screw – Cap Hex Hd.	1
26	42–6080	Shim – Axle	A/R
27	86–9600	Front Axle Assembly	1
28	231–101	Tire	2
*	231–95	Tire – 23 x 10.5 x 12 (Optional)	2
29	217–117	Rim	2
*	217–116	Rim – 23 x 10.5 x 12 (Optional)	2
30	23–7270	Nut – Wheel	10
31	232–31	Stem – Valve	2
*	232–27	Stem – Valve – 23 x 10.5 x 12 (Optional)	2
32	32144–67	Screw – Thread Forming	4
33	32128–20	Nut – Flange	3
34	3253–21	Washer – Lock	2
35	3234–11	Screw – Flange Head	2
36	2811–9	Elbow – Street	1
37	289–37	Nipple – Pipe	1
38	23–5180	Dipstick	1
39	53–4430	Decal – Oil	1
40	68–9760	Base – Tank Fuel	1
41	3253–17	Washer – Lock	1
42	3219–14	Nut	1
43	18–1520	Filter – Gas	1
44	92–1661	Hose – Fuel	1
*	62–7020	Wheel & Tire Assembly (23 x 10.5 x 12) (Optional)	2
*	231–90	Tube – Inner (Optional)	2

*Not Illustrated



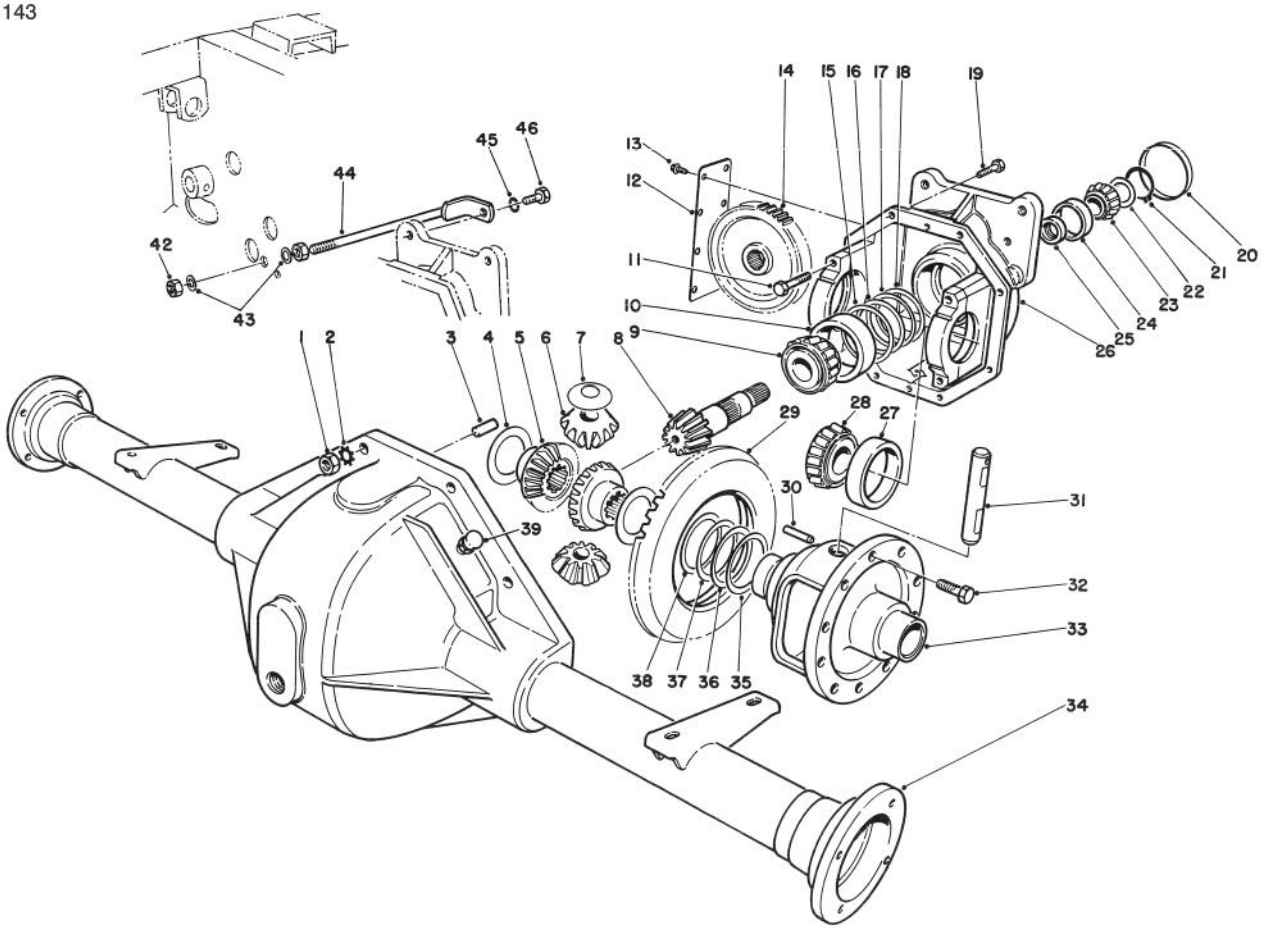
T–0919

FRONT AXLE ASSEMBLY NO. 86–9600

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

*Not Illustrated

3317–143



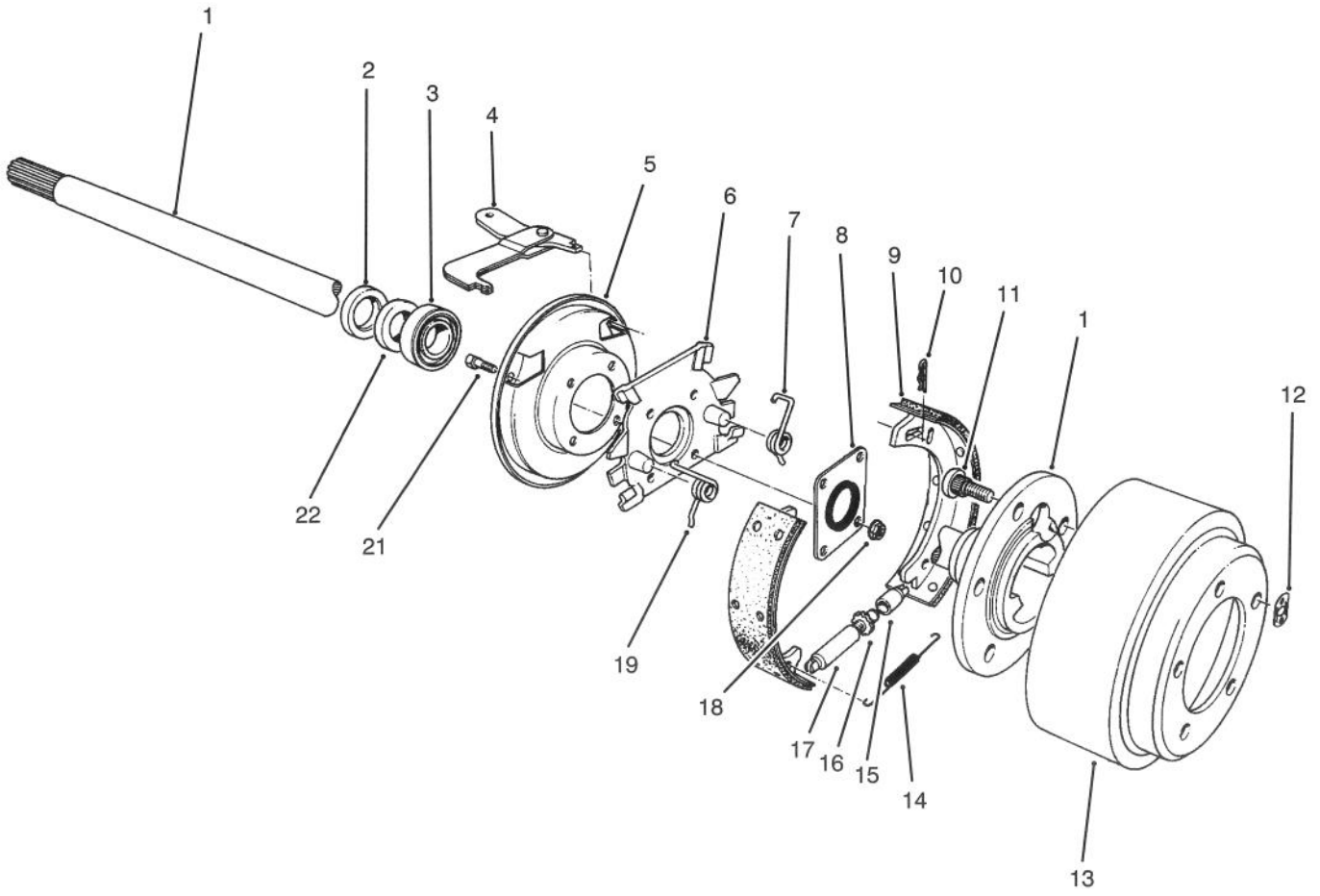
T–0919

FRONT AXLE ASSEMBLY NO. 86–9600 (Continued)

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

*Not Illustrated

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



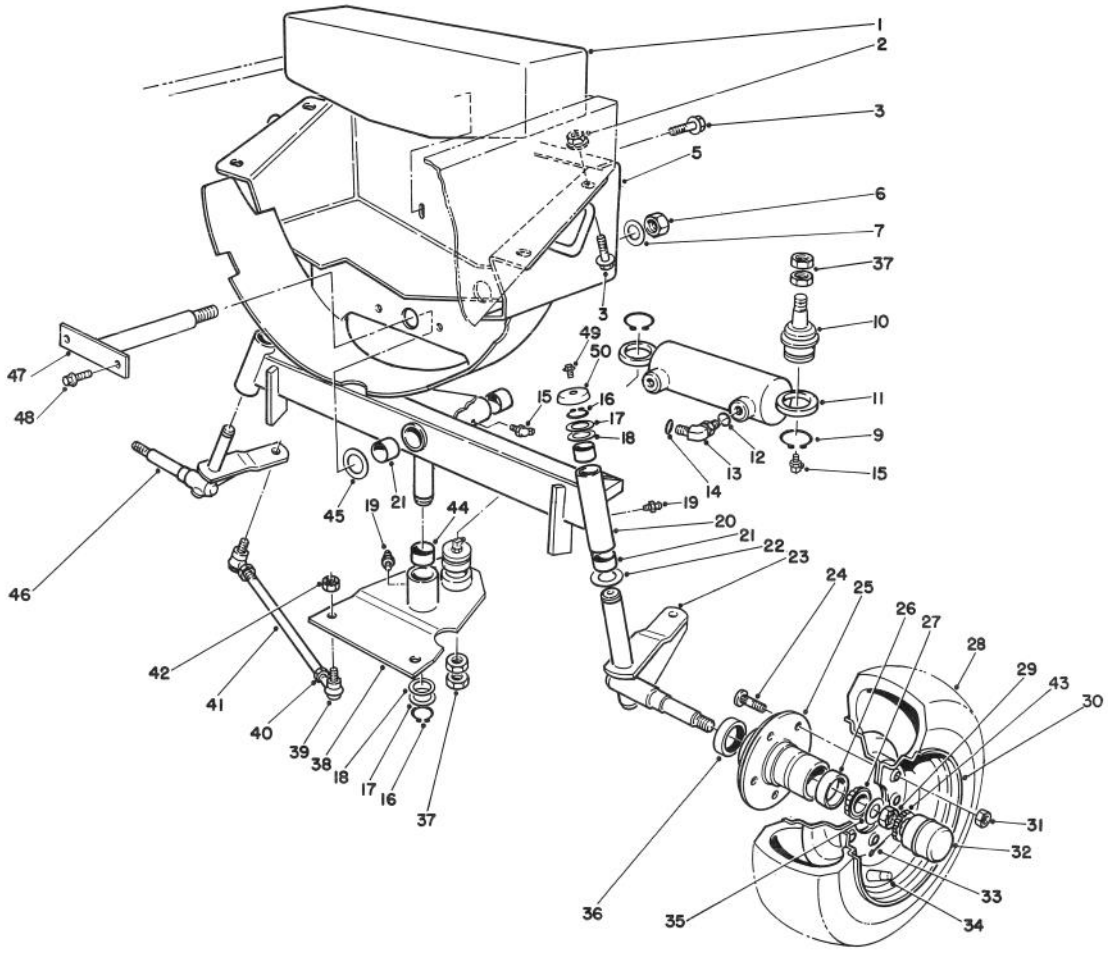
T–0421A

BRAKE ASSEMBLY

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

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

*Not Illustrated



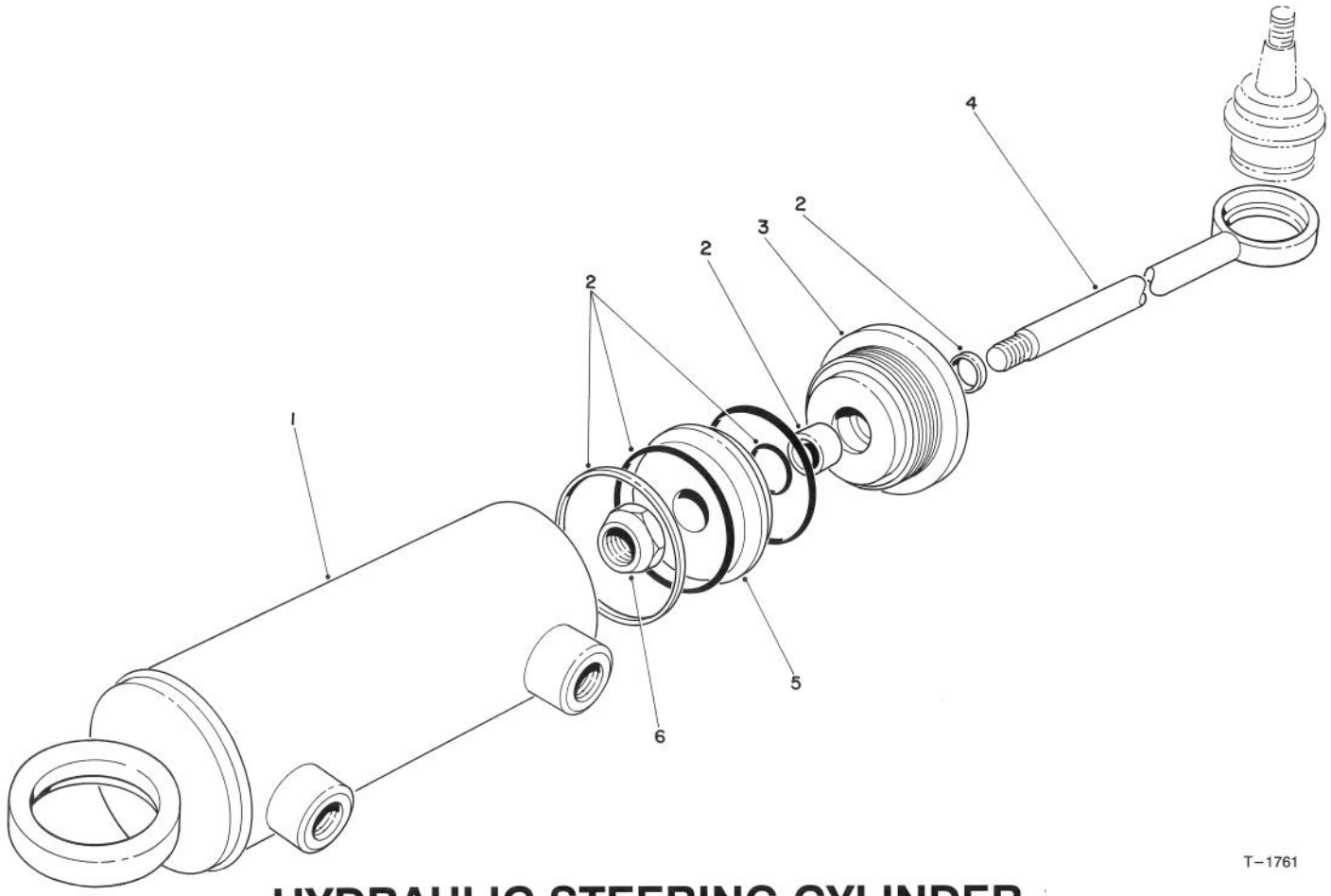
T–1759B

REAR WHEEL & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67–8960	Weight – Axle Rear	1
2	32128–23	Nut – Lock, Flange	4
3	3234–32	Screw – Hex Hd. Flange	6
5	92–7841	Support – Axle Rear	1
6	32146–20	Nut – Lock	1
7	71–4540	Washer – Thrust	1
9	32151–104	Ring – Retaining	2
10	92–5838	Ball Joint	2
11	92–7828	Cylinder – Hydraulic	1
12	237–78	O–Ring	1
13	340–54	Fitting – 45°	1
14	237–22	O–Ring	1
15	302–11	Fitting	3
16	32151–36	Ring – Retaining	3
17	5–1226	Washer	A/R
18	10–8110	Washer	3
19	302–5	Fitting	3
20	92–7816	Axle – Rear (Inc. Ref. #21)	1
21	67–1750	Bushing – Axle	6
22	256–121	Bushing – Thrust	2
23	93–3198	Spindle Assy. L.H.	1
24	10–6830	Stud – Drive	10
25	21–2820	Hub – Wheel (Incl. Ref. #24 & 26)	2
26	254–72	Cup – Bearing	4
27	254–94	Cone – Bearing	4
28	231–105	Tire	2

Ref. No.	Part No.	Description	No. Used
29	3220–7	Nut – Jam	2
30	217–106	Wheel	2
31	242–50	Nut – Wheel	10
32	241–119	Cap – Dust	2
33	3272–13	Pin – Cotter	2
34	232–31	Stem – Valve w/Cap	2
35	93–0309	Washer – Tab	2
36	253–129	Closure	2
37	3220–6	Nut – Jam	4
38	92–7821	Pivot – Steering (Incl. Ref. #44)	1
39	21–0141	Socket Assembly R.H. (Inc. Ref. #42)	2
*	21–0151	Socket Assembly L.H. (Inc. Ref. #42)	2
40	3220–5	Nut – Jam R.H. Thread	2
*	3220–12	Nut – Jam L.H. Thread	2
41	21–2000	Rod – Tie	2
42	3220–3	Nut – Jam	8
43	93–0307	Retainer – Nut, Lock	2
44	256–242	Bushing	2
45	56–2460	Washer	A/R
46	93–3199	Spindle Assembly R.H.	1
47	92–7843	Pin – Axle Rear	1
48	32144–14	Screw – Self Tapping	2
49	3234–13	Screw	2
50	66–2990	Cup – Spindle	2

*Not Illustrated

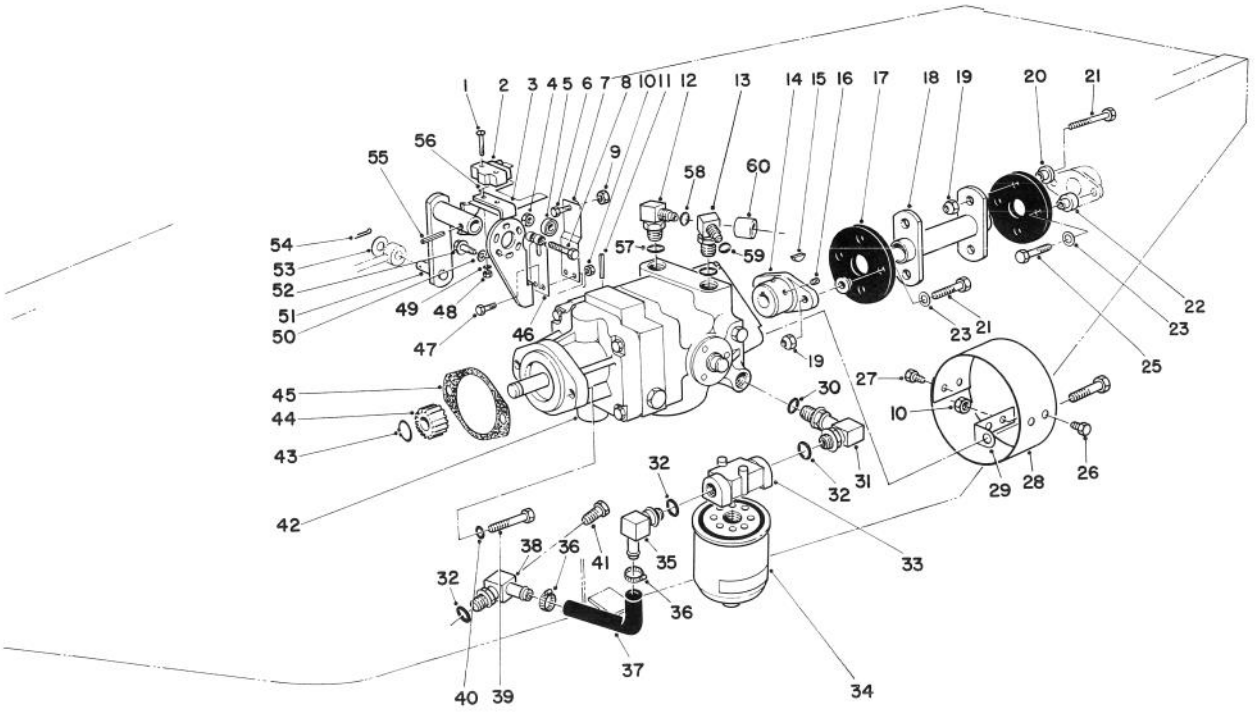


T–1761

HYDRAULIC STEERING CYLINDER

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

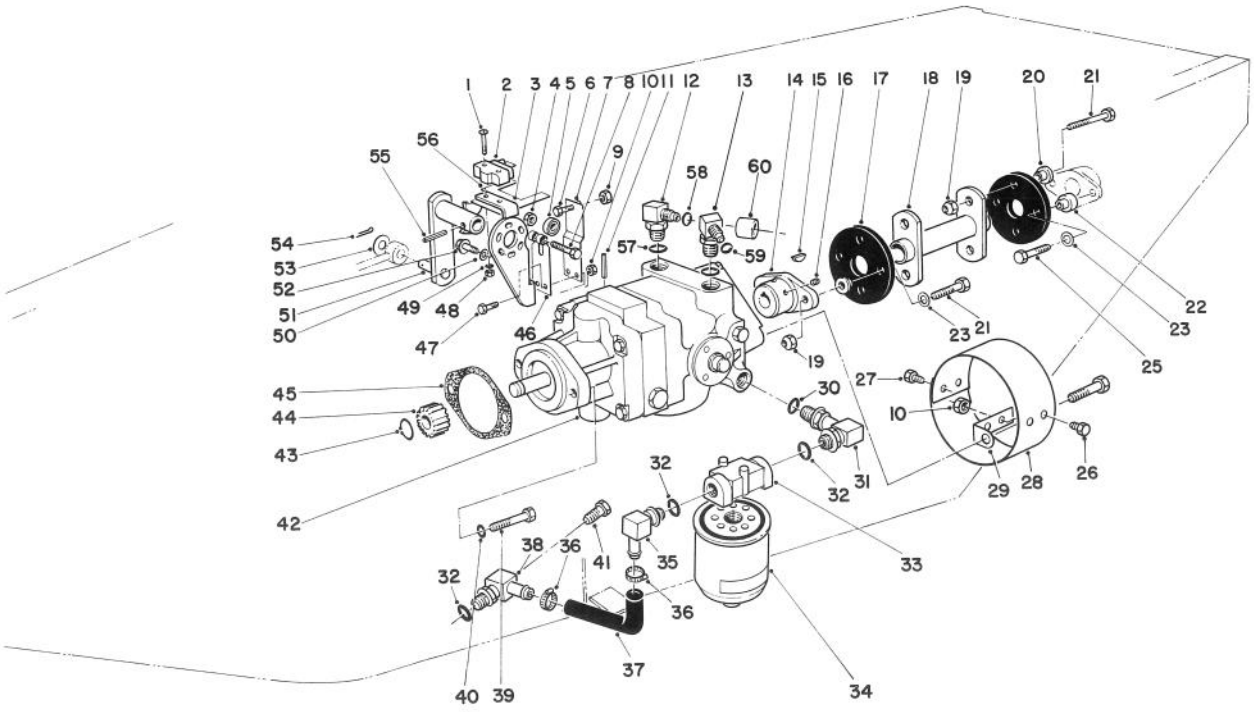


T–0424A

HYDROSTATIC TRANSMISSION ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
28	54–9300	Cover	1
29	54–9290	Bracket	2
30	237–80	O–Ring	1
31	68–8660	Elbow	1
32	237–81	O–Ring	3
33	68–8990	Head – Filter	1
34	23–9740	Oil Filter	1
35	353–987	Elbow	1
36	2412–34	Clamp – Hose	2
37	68–9650	Hose – Axle	1
38	70–2620	Elbow – 90°	1
39	323–7	Screw – Cap, Hex. Hd.	2
40	3253–21	Washer – Lock	2
41	353–508	Plug – Drain	1
42	92–8947	Transmission – Inline	1
43	32120–72	Ring – Retaining External	1
44	86–7220	Gear – Transmission Output	1
45	41–8760	Gasket – Transmission	1
46	29–6150	Leaf Spring	1
47	321–6	Screw – Cap, Hex. Hd.	2
48	3217–16	Nut	2
49	3254–9	Washer – Lock	2
50	3255–7	Washer – Lock	3
51	28–9570	Pump Lever	1
52	11–9760	Self Tapping Screw	3
53	3256–6	Washer – Flat	1

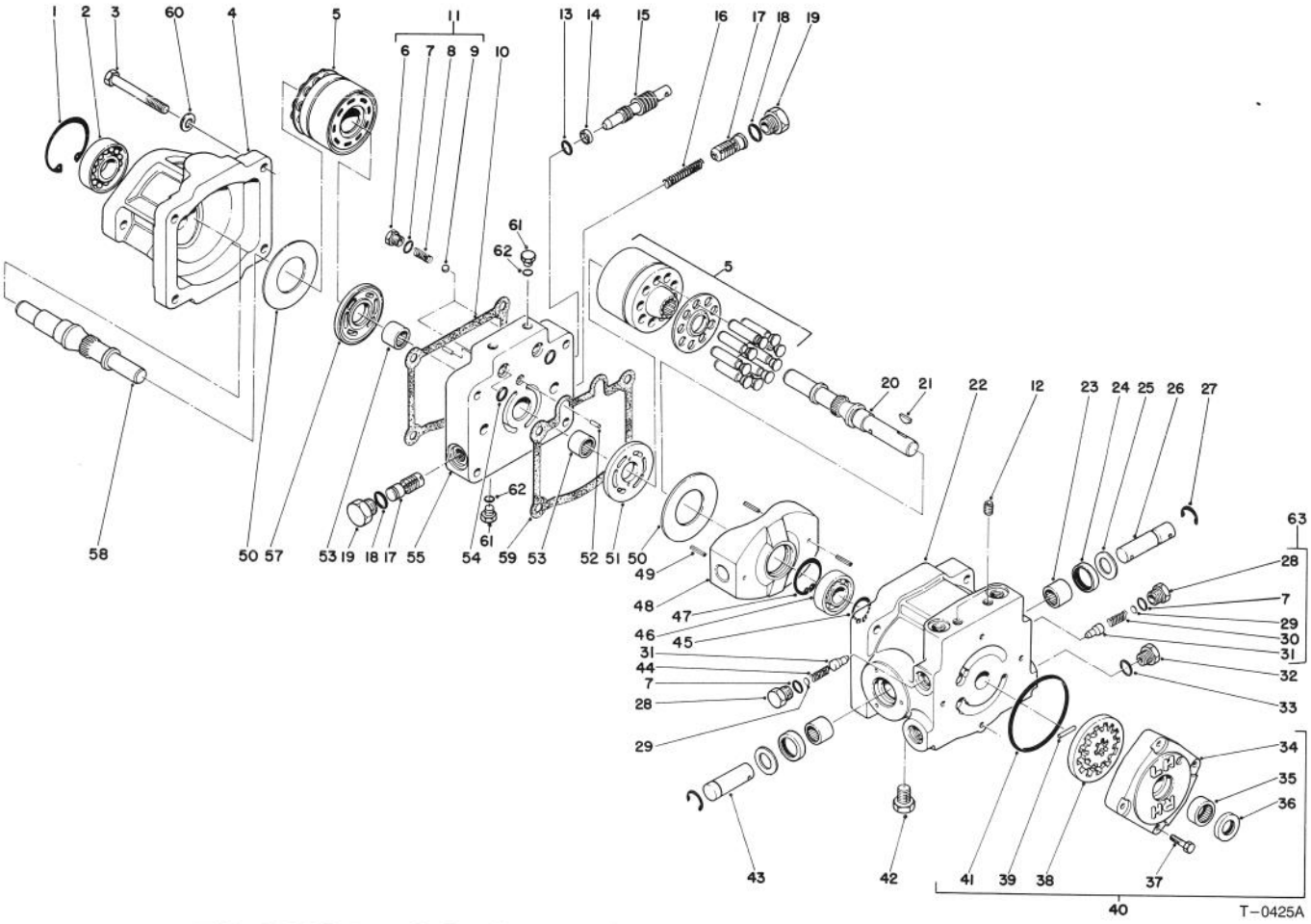


T–0424A

HYDROSTATIC TRANSMISSION ASSEMBLY (Continued)

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

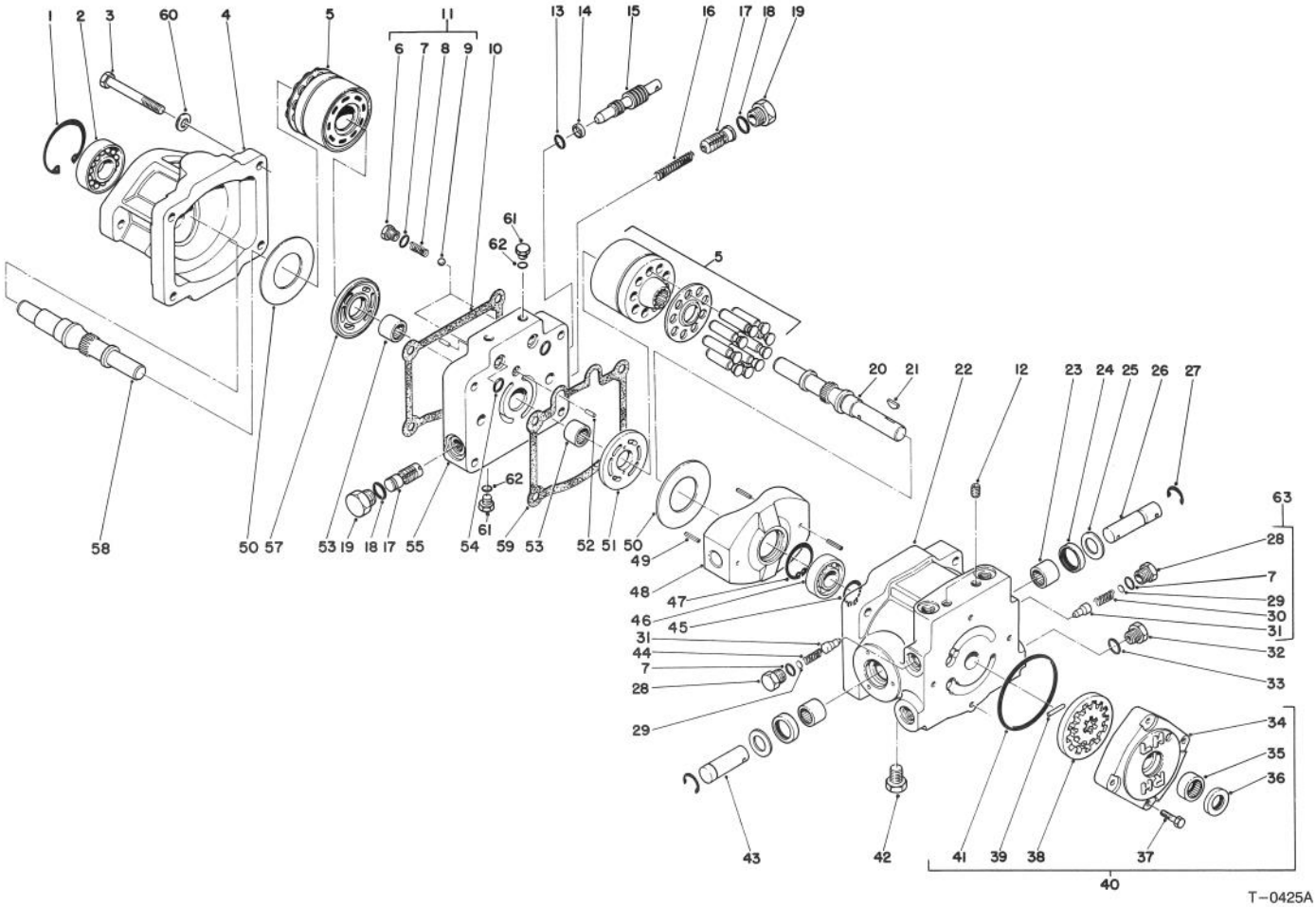
Ref. No.	Part No.	Description	No. Used
58	237–22	O–Ring	1
59	237–30	O–Ring	1
60	38–3400	Guard – Rubber	1



TRANSMISSION ASSEMBLY NO. 92–8947

Ref. No.	Part No.	Description	No. Used
1	32120–8	Retaining Ring	1
2	72–3750	Roller Bearing	1
3	323–56	Screw – Cap, Hex. Hd.	4
4	67–9080	Motor Housing	1
5	48–1800	Cylinder Block Kit	2
6	25–2650	Check Valve Plug	2
7	237–86	O–Ring	4
8	25–2640	Valve Spring	2
9	25–2490	Ball	2
10	67–9100	Gasket	1
11	25–3180	Check Valve Kit (Inc. Ref. #6–9)	2
12	285–17	Pipe Plug	2
13	237–22	O–Ring	1
14	25–2630	Back Up Ring	1
15	88–8220	By Pass Valve	1
16	25–2610	Accel. Valve Spring	1
17	25–2410	Accel. Valve Assembly	2
18	76–1900	O–Ring	2
19	353–550	Plug – Hex. Hd.	2
20	67–8020	Pump Shaft	1
21	3257–32	Woodruff Key	1
22	54–7890	Pump Housing	1
23	252–82	Needle Bearing	2
24	25–3210	Lip Seal	2
25	25–2510	Washer – Flat	2

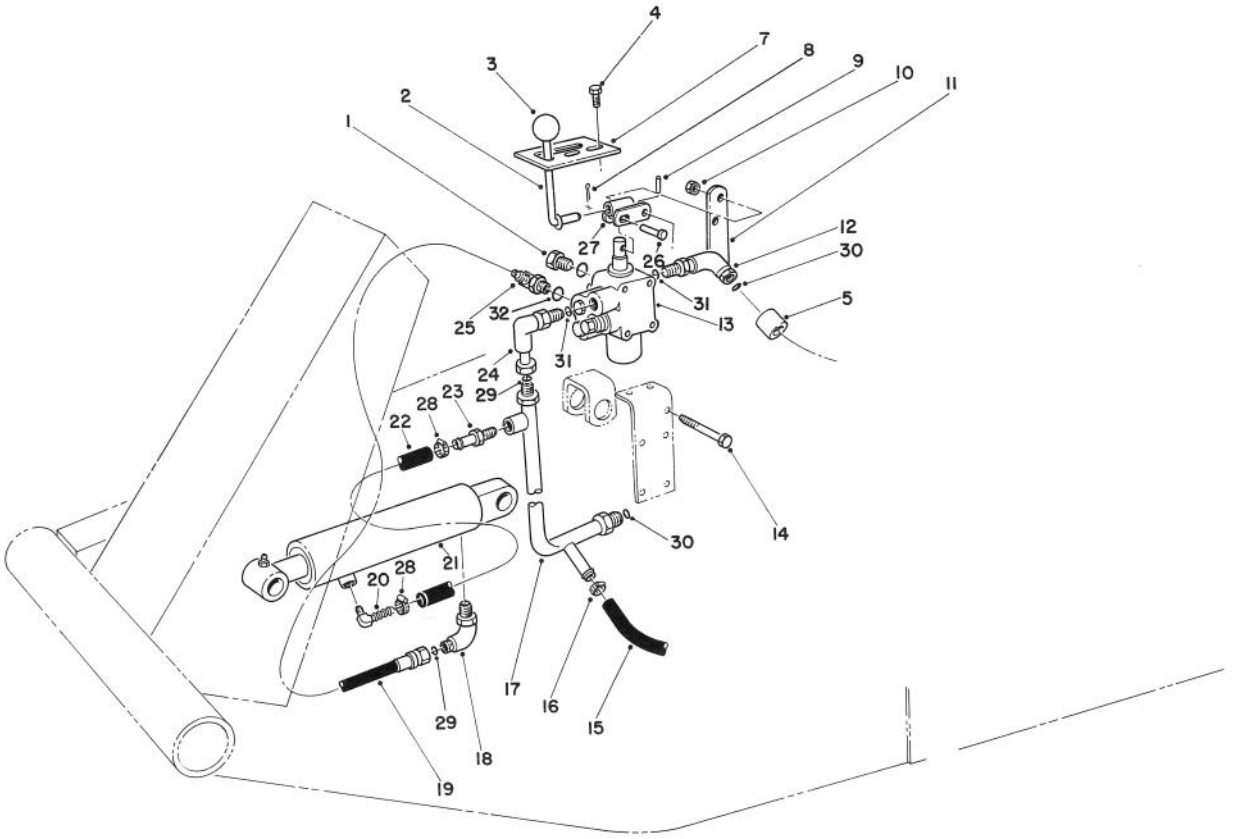
Ref. No.	Part No.	Description	No. Used
26	25–2580	Trunnion Shaft	1
27	32151–46	Retaining Ring	2
28	25–2460	Plug – Hex. Hd.	2
29	25–2470	Shim Pack	2
30	25–2570	Valve Spring	1
31	83–7260	Relief Valve Cone	2
32	353–551	Hex. Hd. Plug	1
33	237–80	O–Ring	1
34	25–2550	Charge Pump Housing	1
35	67–8050	Needle Bearing	1
36	93–4133	Lip Seal	1
37	322–4	Screw – Cap, Hex. Hd.	4
38	25–2680	Gerotor Assembly	1
39	25–2530	Headless Straight Pin	1
40	25–3190	Charge Pump (Incl. Ref. #34–39 & 41)	1
41	237–95	O–Ring	1
42	67–9090	Plug	1
43	25–2500	Trunnion Shaft	1
44	25–2480	Valve Spring	1
45	32120–15	Retaining Ring	1
46	251–8	Ball Bearing	1
47	32120–11	Retaining Ring	1
48	25–2450	Variable Swashplate	1
49	32121–91	Coil Spring Pin	3
50	25–2380	Thrust Plate	2



TRANSMISSION ASSEMBLY NO. 92–8947 (Continued)

Ref. No.	Part No.	Description	No. Used
51	25–2440	Pump Valve Plate	1
52	25–2430	Dowel Pin	2
53	46–8400	Needle Bearing	2
54	93–4132	O–Ring	2
55	92–8918	Center Section	1
57	25–2390	Motor Valve Plate	1
58	46–8410	Motor Shaft	1

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



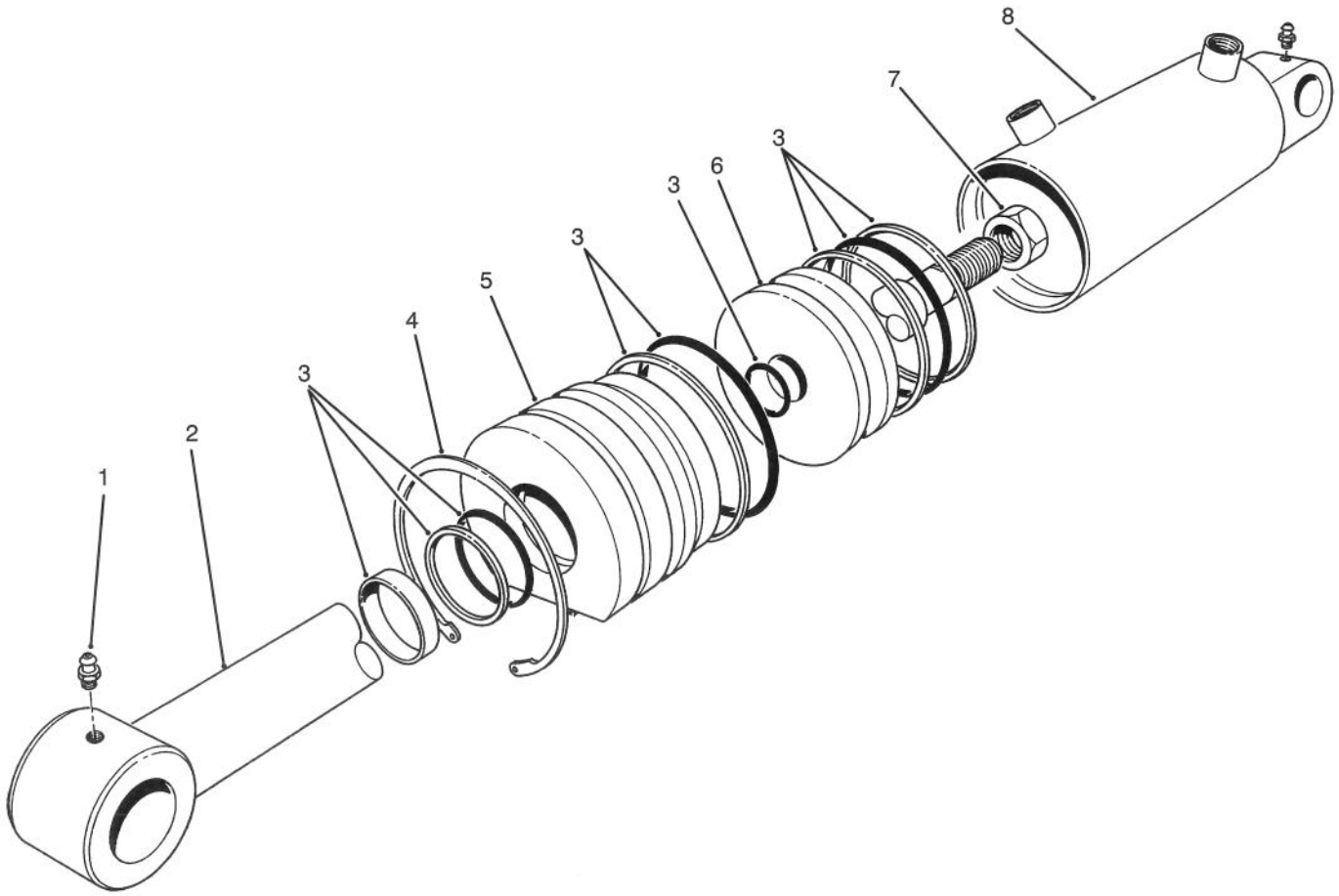
T–0426A

VALVE & CYLINDER ASSEMBLY

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

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

*Not Illustrated



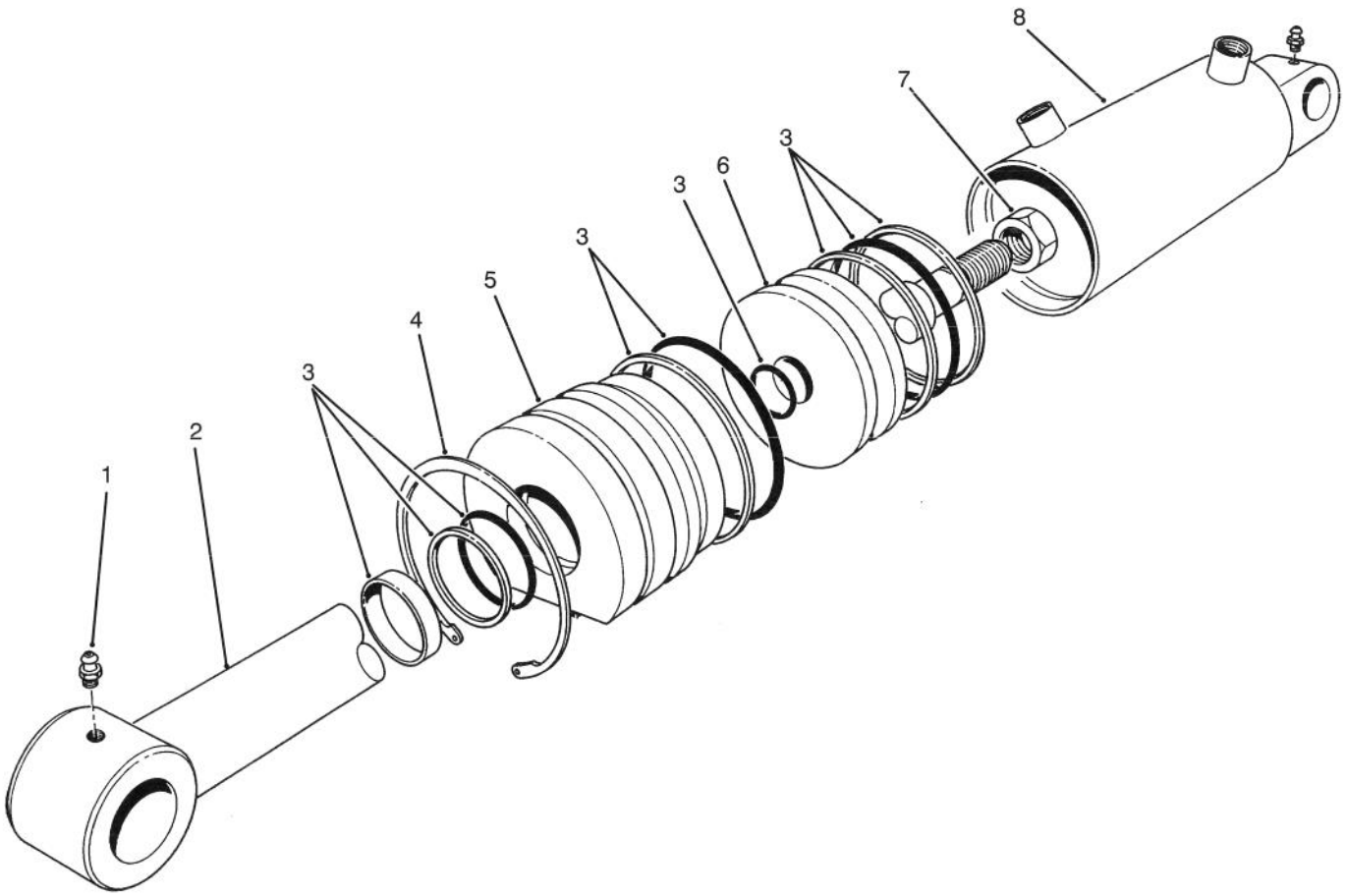
T–0527

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

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

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

*Not available separately.



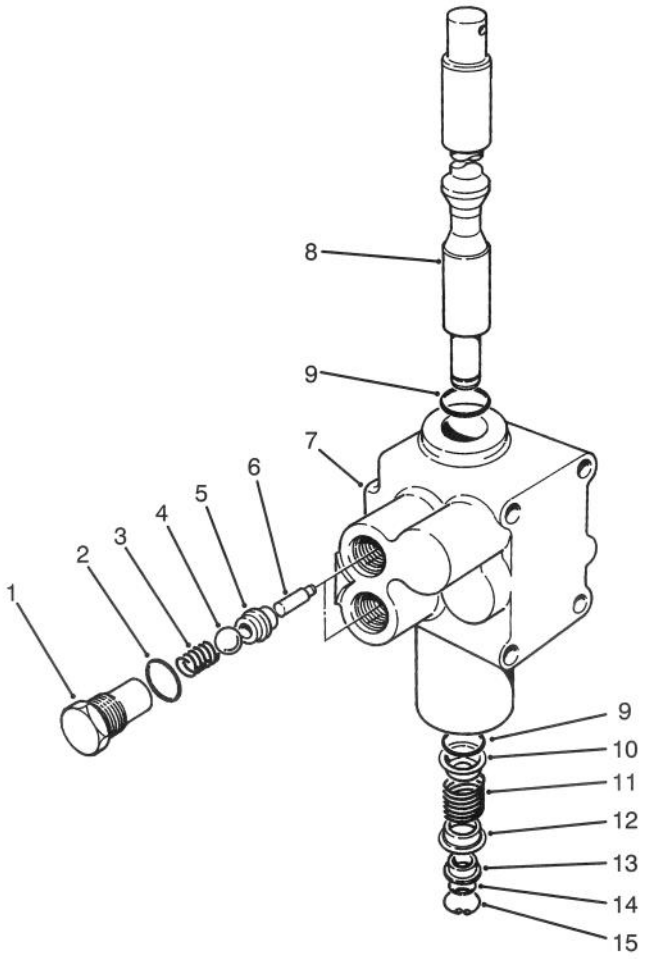
T–0527

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

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

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

*Not available separately.

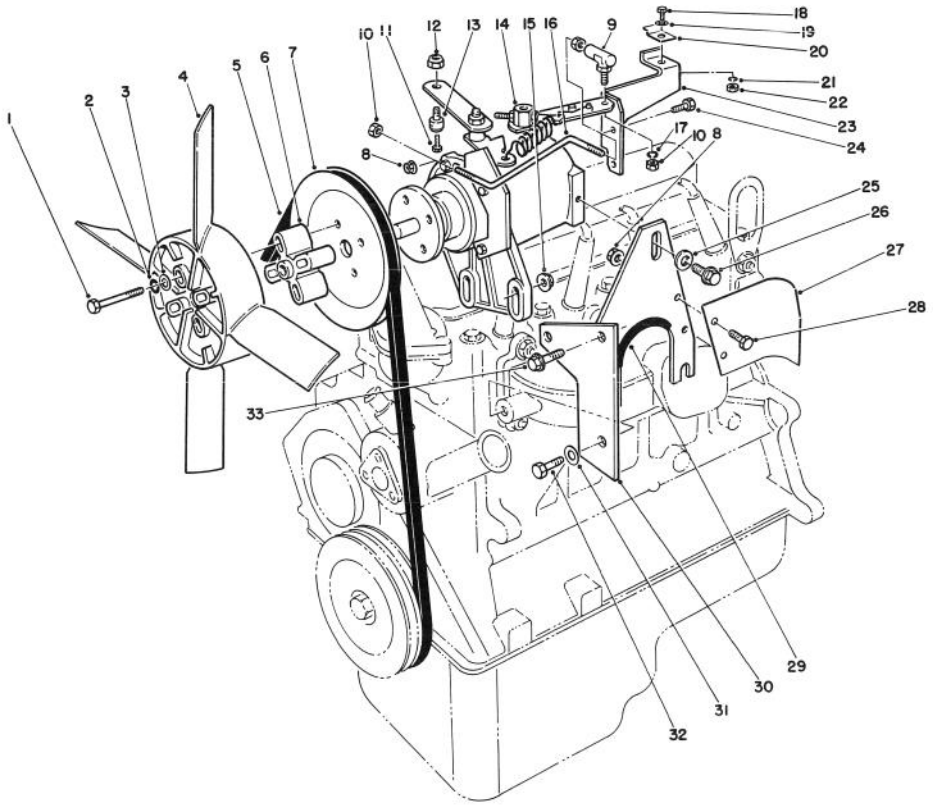


T–0428

CONTROL VALVE ASSEMBLY NO. 43–1710

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

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



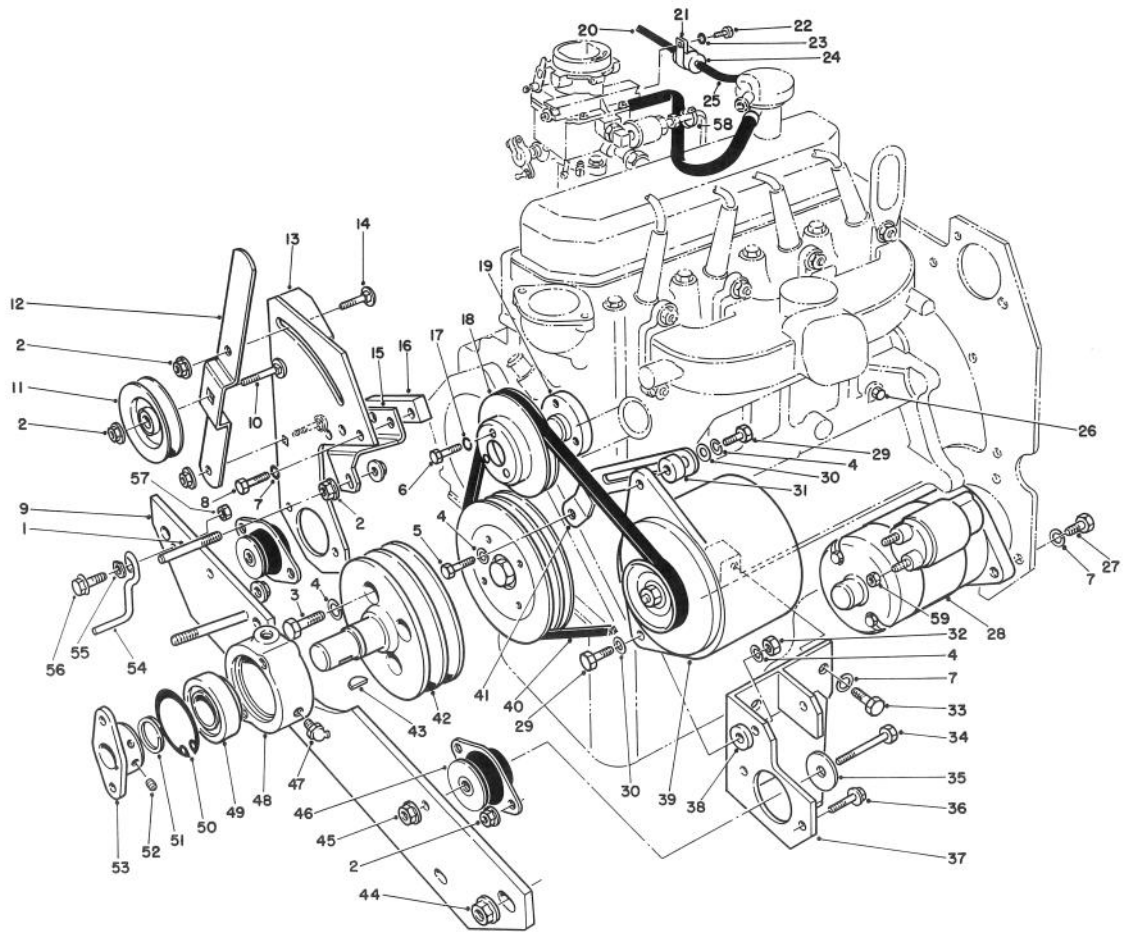
T–0921

ENGINE ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
18	321–4	Screw – Cap, Hex Hd.	1
19	3256–22	Washer – Flat	1
20	2412–31	Clamp – Cable	1
21	3253–3	Washer – Lock	1
22	3217–5	Nut	1
23	67–8240	Bracket – Throttle	1
24	321–6	Screw – Cap, Hex Hd.	2
25	3256–56	Washer – Flat	1
26	3234–5	Screw – Lock, Flange Hd.	1
27	67–8920	Shield – Heat	1
28	321–39	Screw – Cap, Hex Hd.	2
29	70–2040	Guard – Trim	1
30	67–9150	Support – Governor	1
31	48–8030	Washer – Flat	1
32	66–3160	Screw – Cap, Hex Hd.	1
33	3234–11	Screw – Lock, Flange Hd.	2

*Not Illustrated
†Obtain from your local Ford Power Products Dealer.



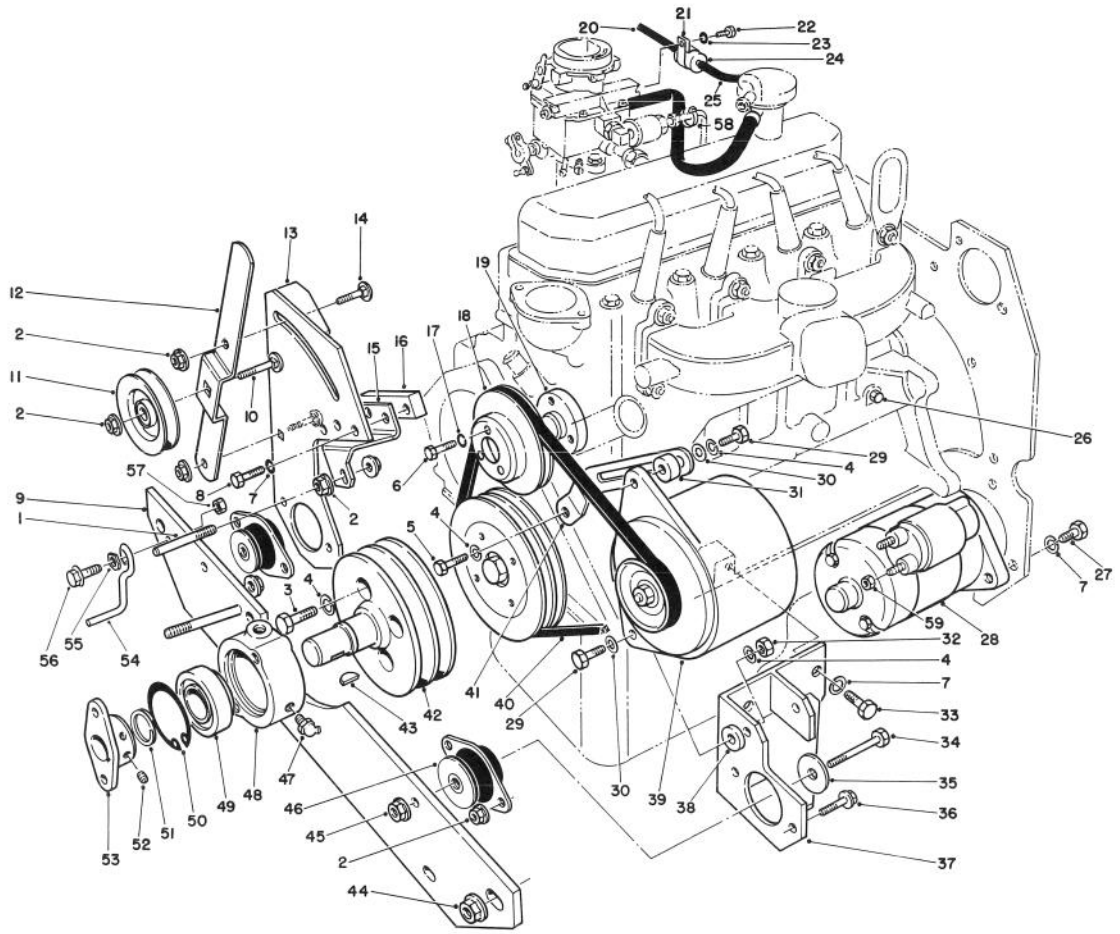
T–0922A

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21–1820	Stud – Retainer Belt	3
2	3290–357	Nut – Lock, Flange	12
3	42–9500	Screw – Metric	4
4	42–9850	Washer – Lock	8
5	48–7730	Screw – Metric	1
6	43–2600	Screw – Metric	3
7	42–9600	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 R.H.	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	
20	70–1920	Hose – Vacuum	1
†21	384007–5	Clamp – Valve	1
22	3250–29	Screw – Pan Hd.	1
23	3256–21	Washer – Flat	1
†24	D4FZ–9C369–A	Fuel Separator	1
25	70–1910	Hose – Vac. Advance	1

Ref. No.	Part No.	Description	No. Used
†26	353055–S7	Plug – Water Drain	1
27	48–9470	Screw – Metric	3
†28	91AB–11000–JB	Starter	1
29	42–9530	Screw – Metric	3
30	48–8030	Washer – Flat	4
31	67–9010	Spacer – Alternator	1
32	48–7930	Nut Metric	2
33	48–7780	Screw – Metric	2
34	324–11	Screw – Cap Hex. Hd.	2
35	53–9480	Washer – Snubber	2
36	3234–11	Screw – Flange Lock	4
37	67–8260	Mount – Engine Front L.H.	1
38	67–8900	Spacer – Alternator	1
†39	86AX–10300–DB	Alternator	1
40	92–9785	Belt – Alternator	1
†41	89BF–10145–AB	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

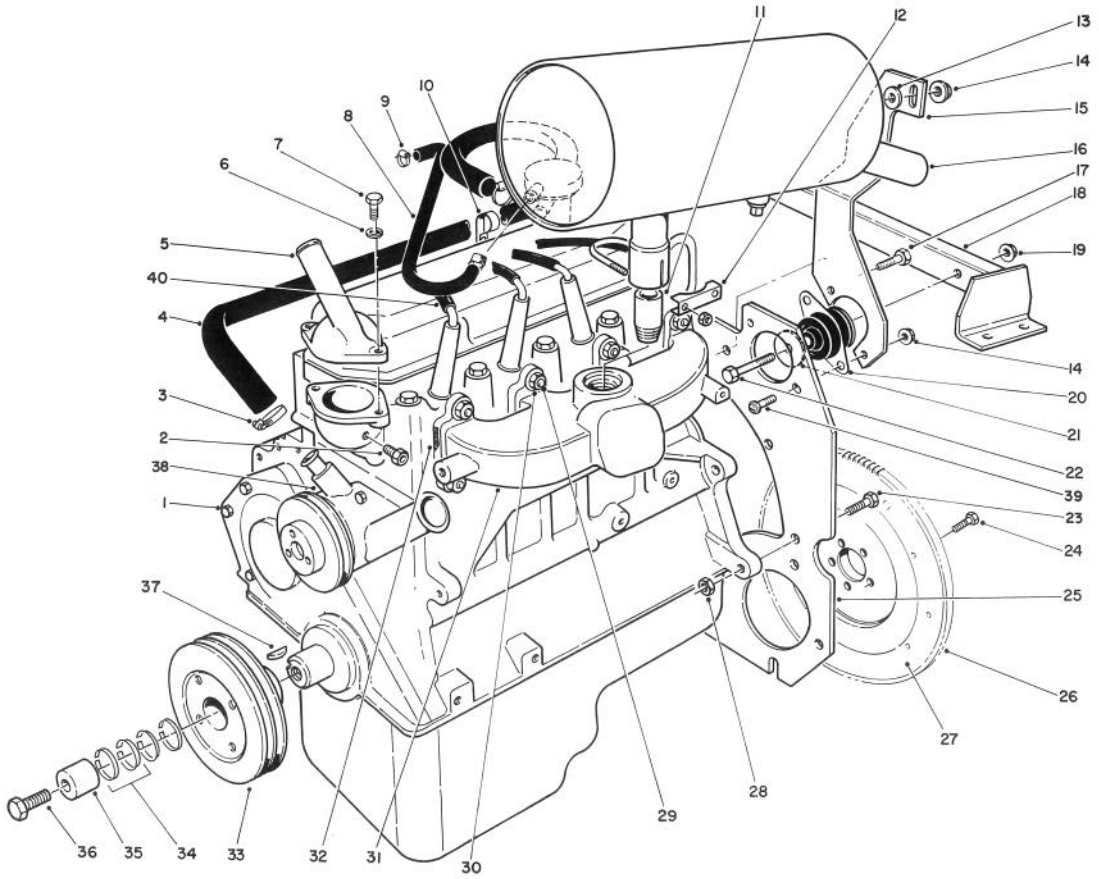
†Obtain from your local Ford Power Products Dealer.



ENGINE ASSEMBLY

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

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



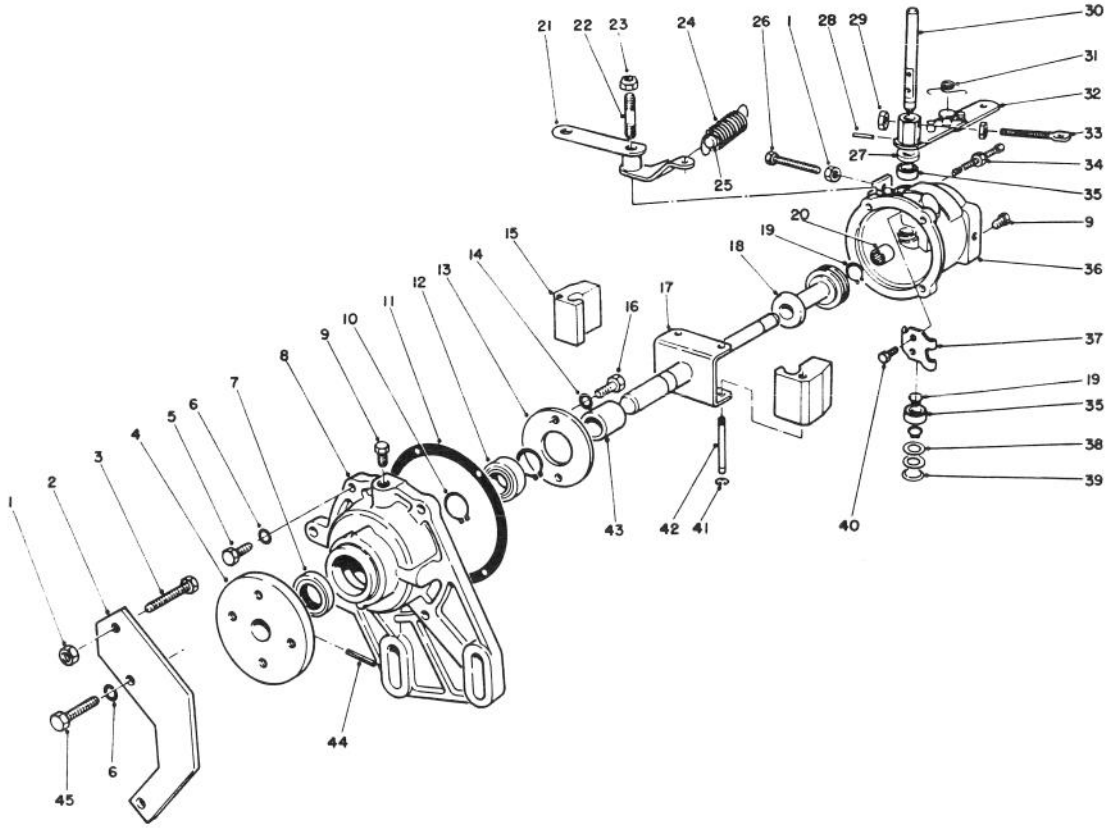
T–0923A

ENGINE ASSEMBLY

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

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

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

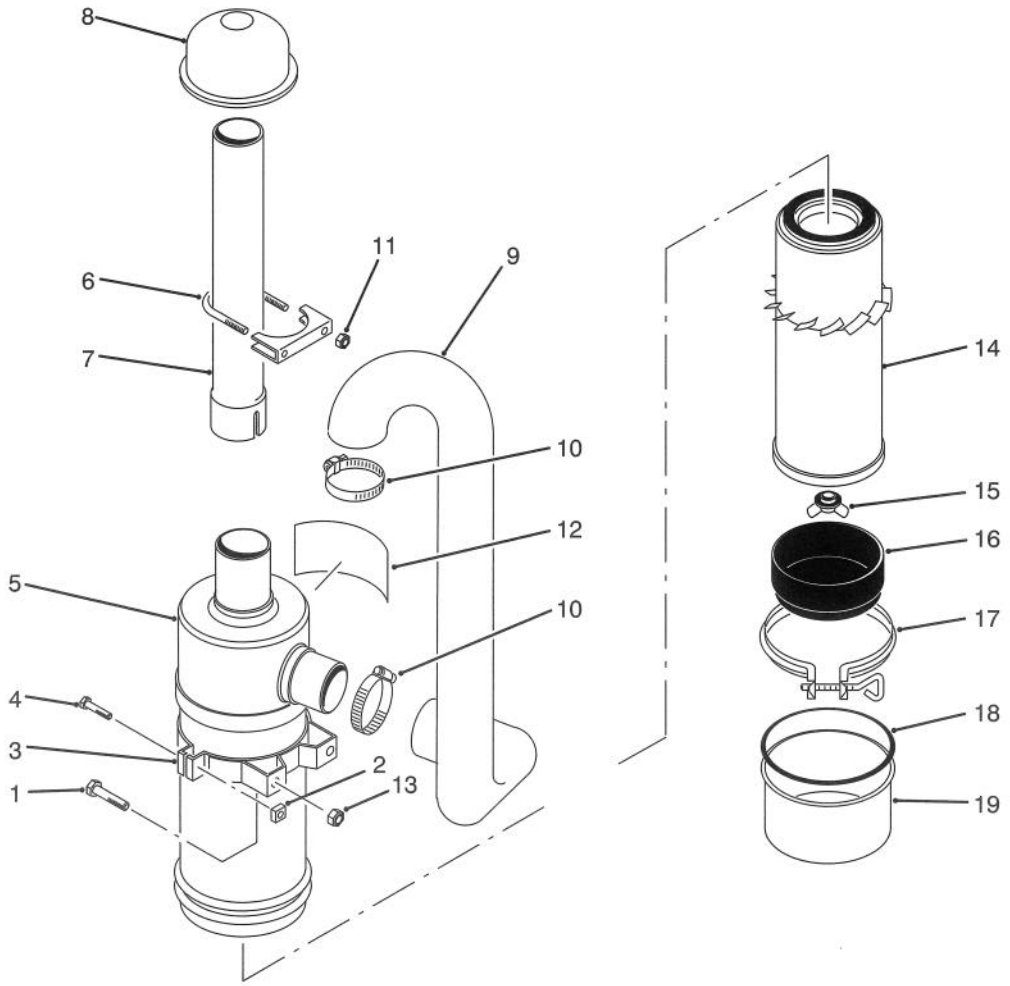


T–0933

GOVERNOR ASSEMBLY NO. 67–8360

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

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

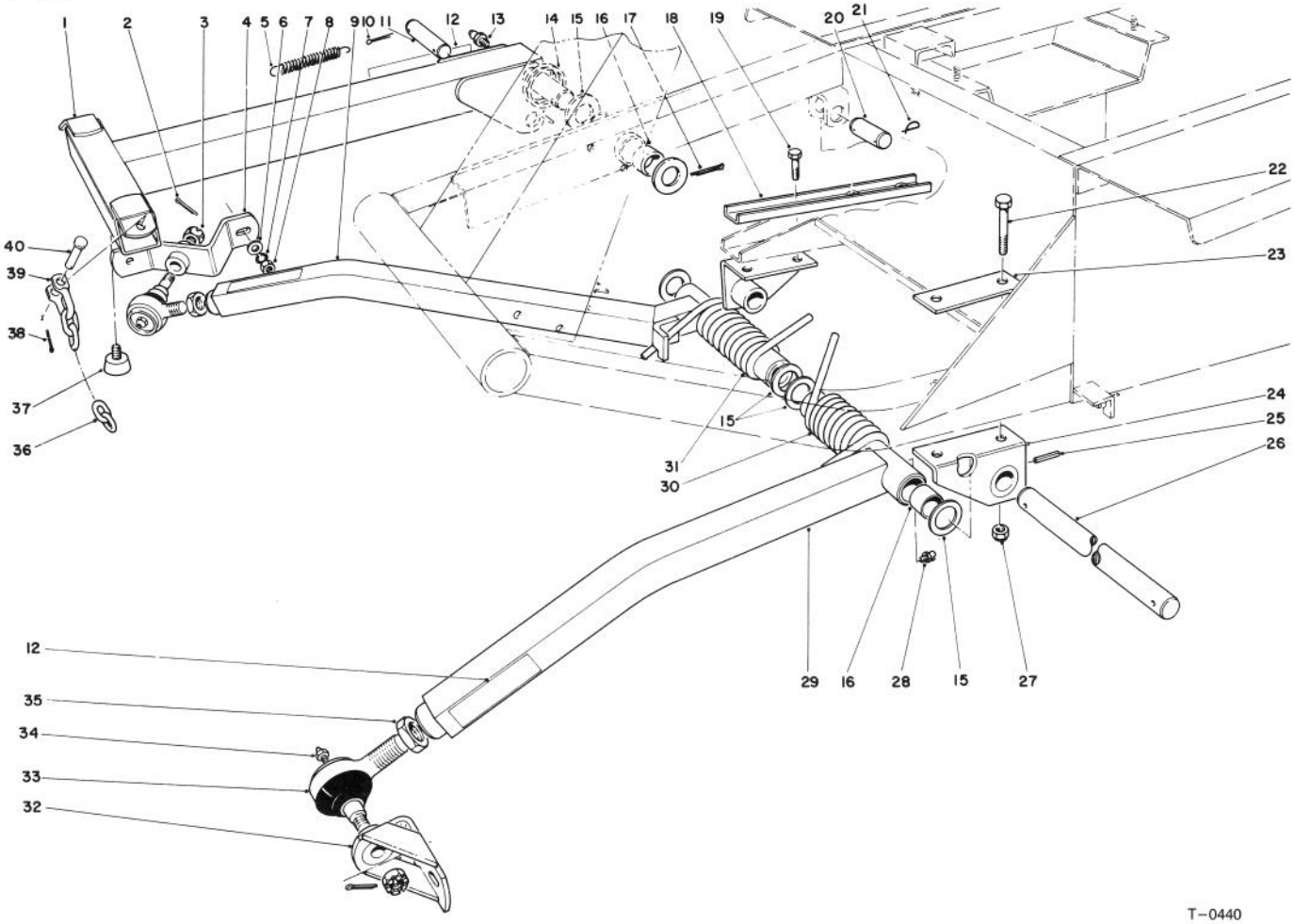


T–0934

AIR CLEANER ASSEMBLY

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

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

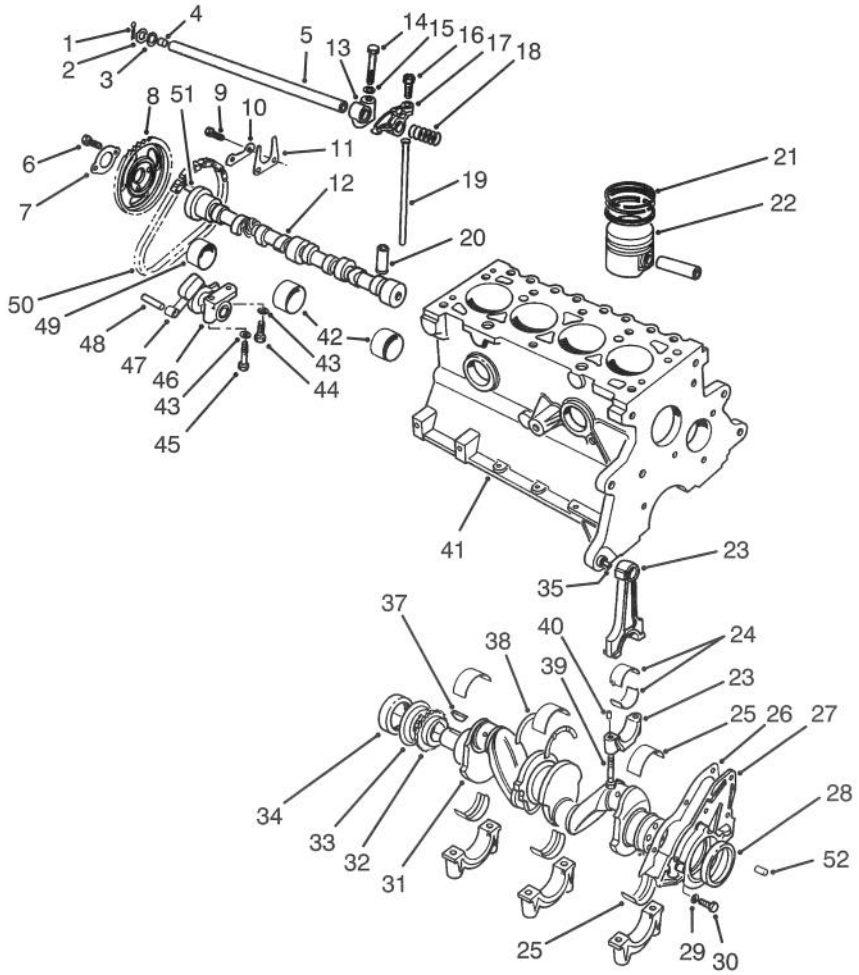


T–0440

PUSH ARM ASSEMBLY

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

Ref. No.	Part No.	Description	No. Used
21	5–3126	Spring Pin	3
22	324–11	Capscrew	2
23	21–3750	Support Plate	1
24	21–2860	Push Arm Bracket	2
25	32121–84	Roll Pin	2
26	21–2990	Shaft Pivot	1
27	32128–42	Nut – Flange	4
28	302–33	Grease Fitting	2
29	21–2960	Push Arm LH (Incl. Ref. #16 & 28)	1
30	21–2900	Spring – Torsion LH	1
31	21–2890	Spring – Torsion RH	1
32	21–3050	Ball Joint Mount LH	1
33	86–8100	Ball Joint Assembly	2
34	302–5	Grease Fitting	2
35	21–3000	Jam Nut	2
36	3–1365	Chain – Lift	3
37	67–9800	Bumper	3
38	3272–10	Cotter Pin	3
39	5–2942	Shackle	1
40	283–10	Pin	1



T–1004

CRANKSHAFT & CAMSHAFT ASSEMBLY

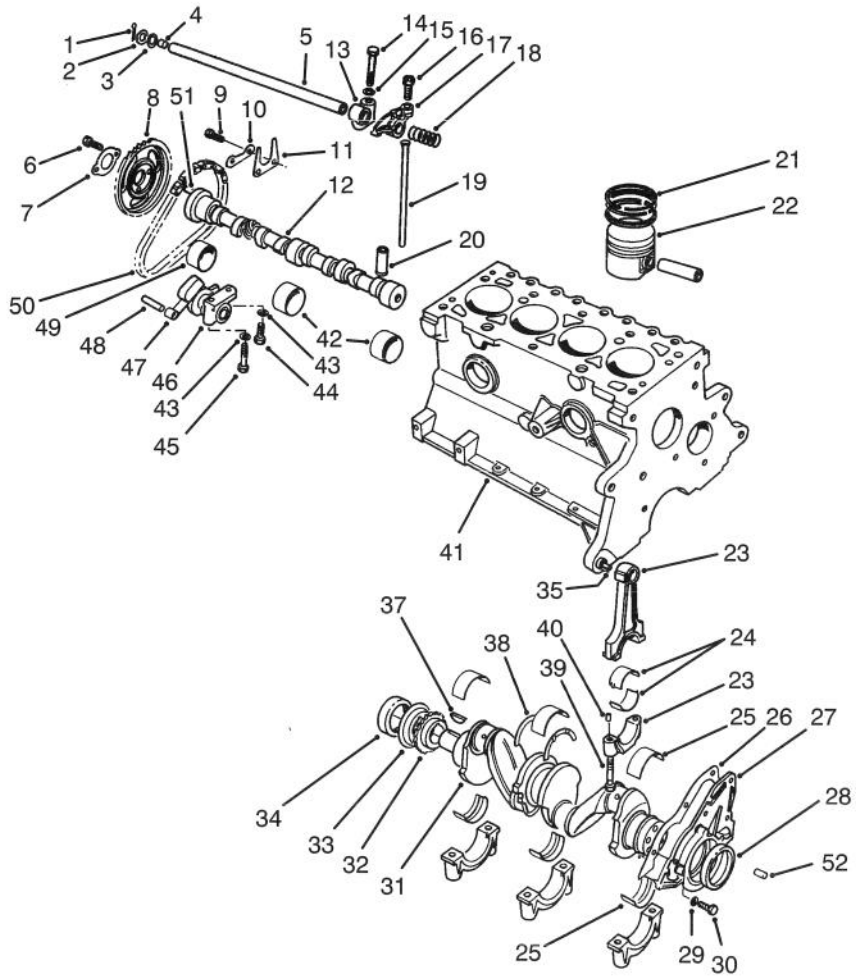
Ref. No.	Part No.	Description	No. Used
1	72025–S7	Cotter Pin	2
2	77BM–6598–AB	Washer – Spring	2
3	DORY–6590–A	Washer – Flat	2
4	357966–S	Plug – Rocker Arm Shaft	2
5	89BM–6A557–AA	Rocker Arm Shaft Assy. (Incl. Ref. #4)	1
6	E602351–S72	Bolt	2
7	DORY–6258–A	Retainer	1
8	77BM–6256–AA	Sprocket – Camshaft	1
9	N602166–S2	Bolt	2
10	DORY–6255–A	Retainer	1
11	DORY–6269–A	Plate – Thrust	1
12	89BM–6251–AA	Camshaft	1
13	77BM–6531–BB	Support – Rocker Shaft	4
14	E800509–S72	Bolt – Rocker Support	4
15	E630031–S101	Washer	4
16	DORY– 6549–B	Screw	8
17	89BM–6529–AB	Valve Rocker Arm – R.H. (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

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

*Not Illustrated

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

3317–143



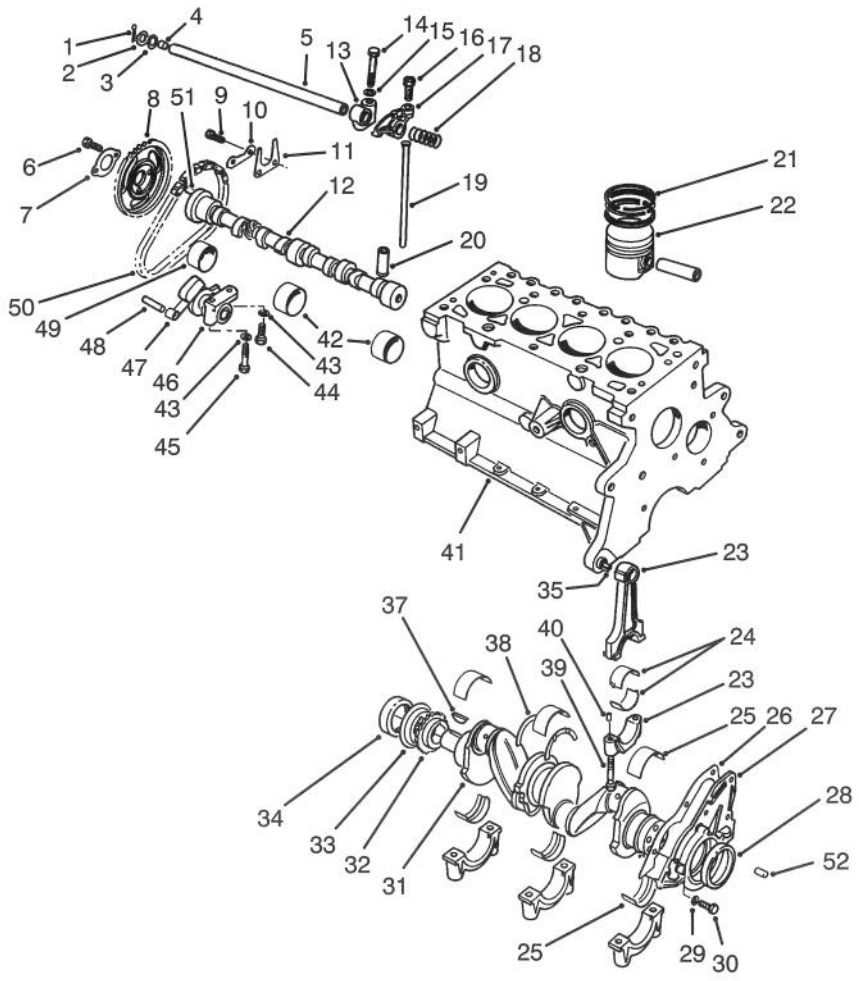
T–1004

CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*25	89BM–6333–DA	Bearing – Crank Upper .015 OD STD. ID	A/R
*	89BM–6331–DA	Bearing – Crank Lower .015 OD STD. ID	A/R
*	89BM–6333–EA	Bearing – Crank Upper STD. OD .020 US. ID	A/R
*	89BM–6331–EA	Bearing – Crank Lower STD. OD .020 US. ID	A/R
*	89BM–6333–FA	Bearing – Crank Upper STD. OD .030 US. ID	A/R
*	89BM–6331–FA	Bearing – Crank Lower STD. OD .030 US. ID	A/R
*	89BM–6333–GA	Bearing – Crank Upper .015 OS. OD .010 US. ID	A/R
*	89BM–6331–GA	Bearing – Crank Lower .015 OS. OD .010 US. ID	A/R
*	89BM–6333–HA	Bearing – Crank Upper .015 OS. OD .020 U.S. ID	A/R
*	89BM–6331–HA	Bearing – Crank Lower .015 OS. OD .020 US. ID	A/R
26	89BM–6344–BA	Gasket Rear Retainer	1
27	86BM–6K318–AA	Retainer Assembly Rear	1
28	86HM–6701–A1A	Seal Crankshaft Rear	1
29	E630173–S71M	Lockwasher	4
30	E602187–S72	Bolt	4
31	89BM–6303–DA	Crankshaft Assembly	1
32	DORY–6306–A	Sprocket	1
33	D8RZ–6310–A	Slinger Oil	1
34	83BM–6700–A4A	Seal – Front Cover	1
35	70HM–6397–AA	Dowel	2
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	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

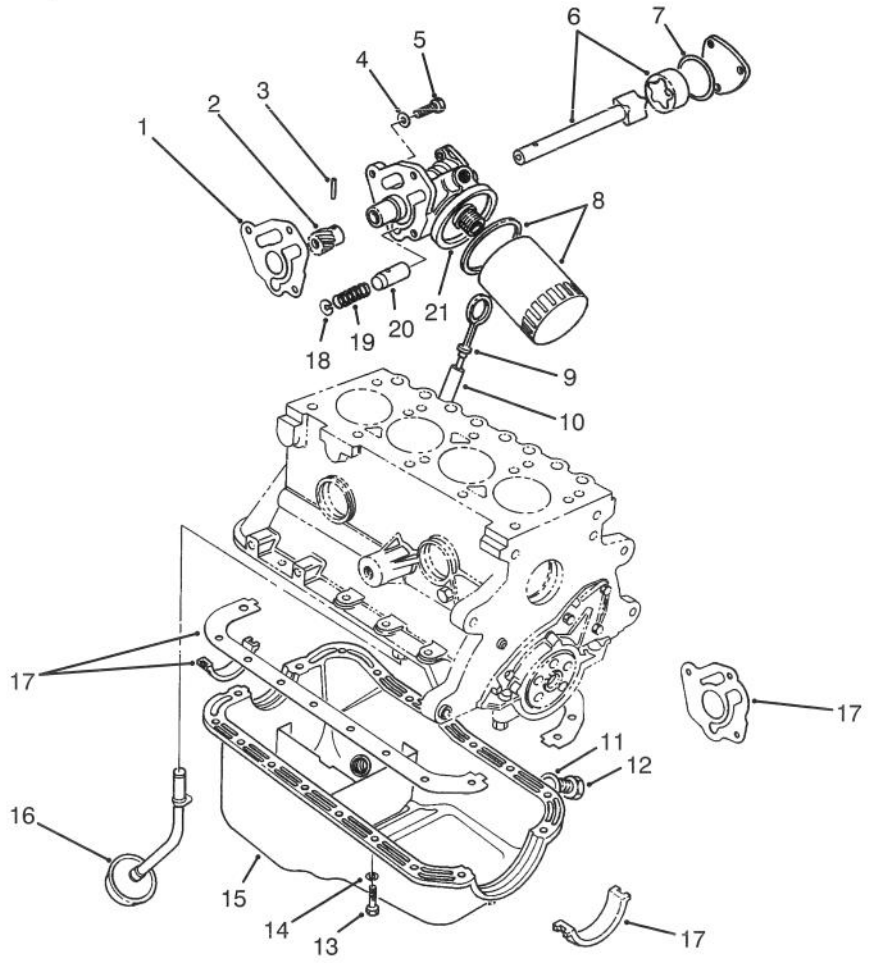
CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

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
*	88BX–6008–AA	Gasket Kit Complete	1
*	88BX–6014–AA	Gasket Kit Upper	1

*Not Illustrated

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



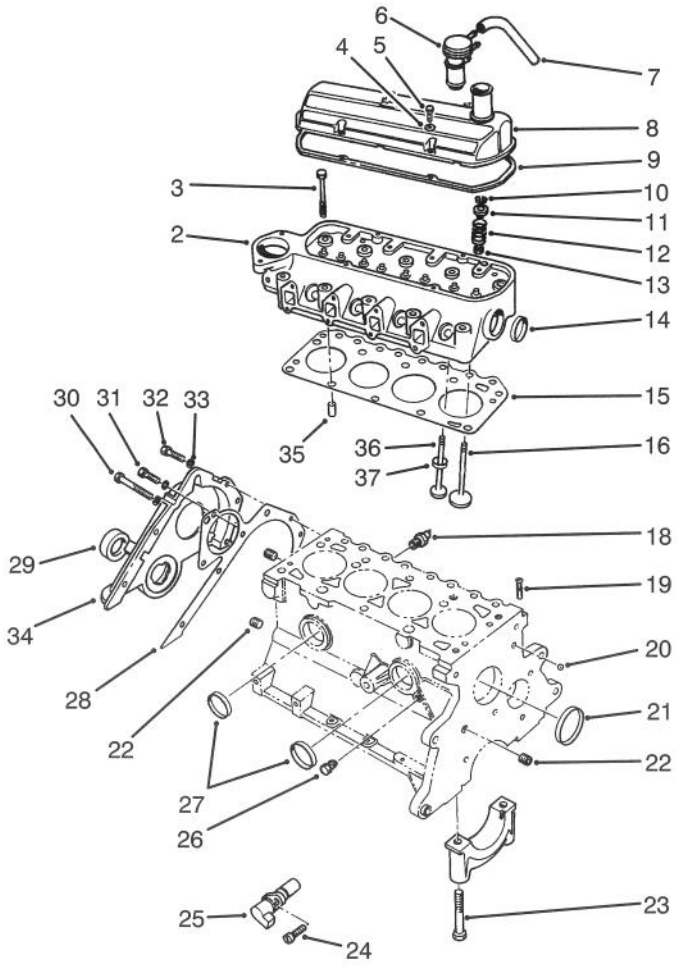
T–1003

OIL PUMP & FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	89BM–6659–AA	Gasket – Oil Pump	1
2	DORY–6652–A	Gear	1
3	72432–S	Pin – Drive Gear	1
4	E630173–571M	Lockwasher	3
5	E800519–S72	Bolt	3
6	DIFZ–6608–B	Rotor & Shaft	1
7	116682–ES	Seal Cover Plate	1
8	FL–400–A	Filter – Oil	1
9	92BM–6750–AA	Indicator – Oil Level	1
10	89BM–6784–AA	Tube Oil Level Indicator	1
11	E9DZ–6734–B	Gasket Oil Drain Plug	1

Ref. No.	Part No.	Description	No. Used
12	E9DZ–6730–B	Plug – Oil Drain	1
13	E602165–S72	Bolt	18
14	34805–S8	Lockwasher	18
15	86BM–6675–AA	Oil Pan	1
16	86BM–6617–AA	Oil Pickup Tube Assy.	1
17	A850X–6013–AA	Kit – Gasket Seal	1
18	DORY–6666–A	Plug	1
19	DORY–6670–A	Spring	1
20	DORY–6674–A	Plunger	1
21	D8RZ–6600–A	Pump – Oil	1

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



T–1002A

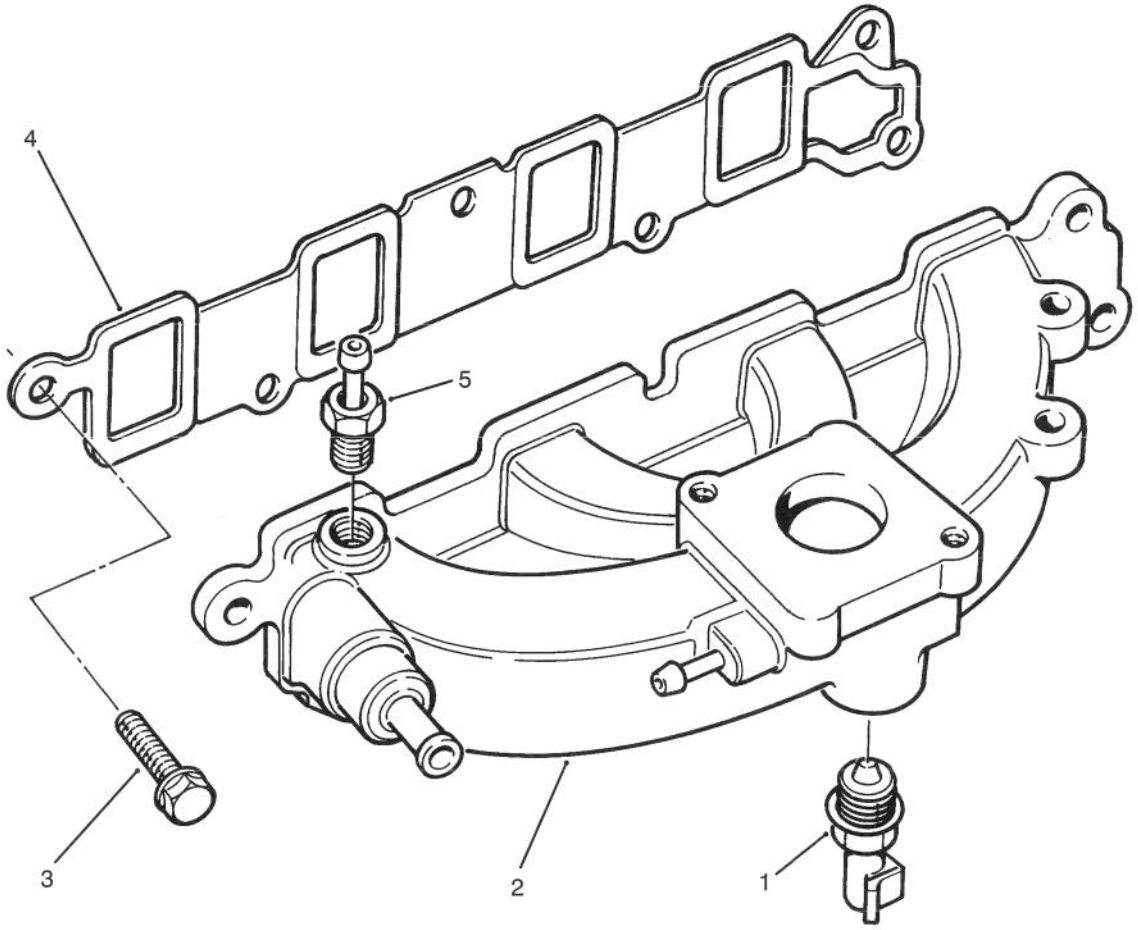
CYLINDER HEAD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	89BM–6049–HB	Cylinder Head Assembly	1
3	89BM–6065–DA	Bolt – Cylinder Head	10
4	E630024–S201	Washer – Flat	4
5	E800516–S72	Screw – Rocker Cover	4
6	84BF–6K614–CA	Cap – Oil Fill	1
7	E9JL–6K609–AA	Hose – PCV	1
8	91BM–6582–GA	Cover – Rocker Arm	1
9	77BM–6584–CA	Gasket – Cover	1
10	88WM–6518–AA	Lock Valve Spring	16
11	89BM–6A536–AA	Retainer	8
12	89BM–6513–AA	Spring – Valve	8
13	88WM–6571–BB	Seal – Valve Stem	8
14	DORY–6026–A	Plug	1
15	89BM–6051–B2C	Gasket – Cylinder Head	1
16	89BM–6507–AA	Valve – Intake – Std.	4
*	89BM–6507–AC	Valve – Intake .040mm 0.S.	A/R
18	E7RZ–9278–A	Switch Oil Pressure	1
19	D8RZ–6767–A	Adapter	1
20	E890100–S	Plug – Ball – Oil Gallery	1

Ref. No.	Part No.	Description	No. Used
21	D8RZ–6026–A	Plug	1
22	F1ZZ–6026–A	Plug	3
23	D1FZ–6345–A	Bolt – Bearing Cap	10
24	E802666–S72	Screw	1
25	89BF–66315–AB	Transducer	1
26	353055–S7	Plug	1
27	DORY–6026–A	Plug	2
28	D8RZ–6020–A	Gasket – Front Cover	1
29	83BM–6700–A4A	Seal – Front Cover	1
30	E800518–S72	Bolt	1
31	E600113–S72	Bolt	3
32	E800512–S72	Bolt	4
33	E832108–S71M	Lockwasher	8
34	89BM–6019–AA	Cover & Seal Assembly (Incl. Ref. #29)	1
35	E840126S	Dowel	2
36	89BM–6505–EA	Valve – Exhaust .040mm 0.S.	A/R
*	89BM–6505–CA	Valve – Exhaust Std.	4
37	89BM–6057–A2E	Insert – Exhaust Seat	4

*Not Illustrated

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

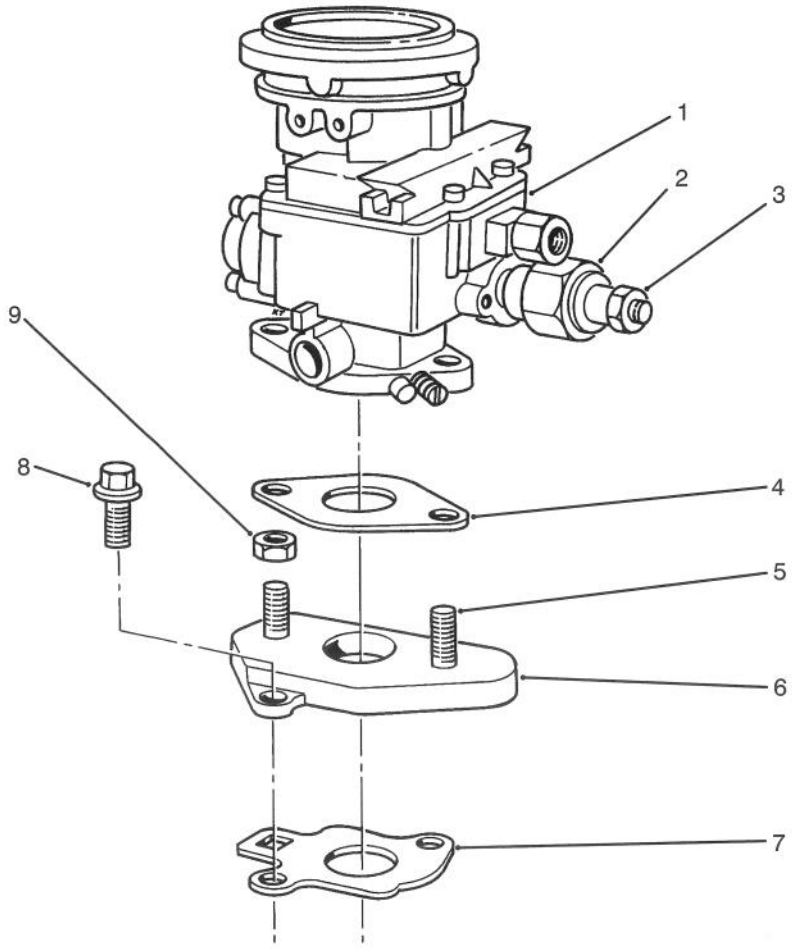


T–1176

MANIFOLD ASSEMBLY

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

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



T–0999

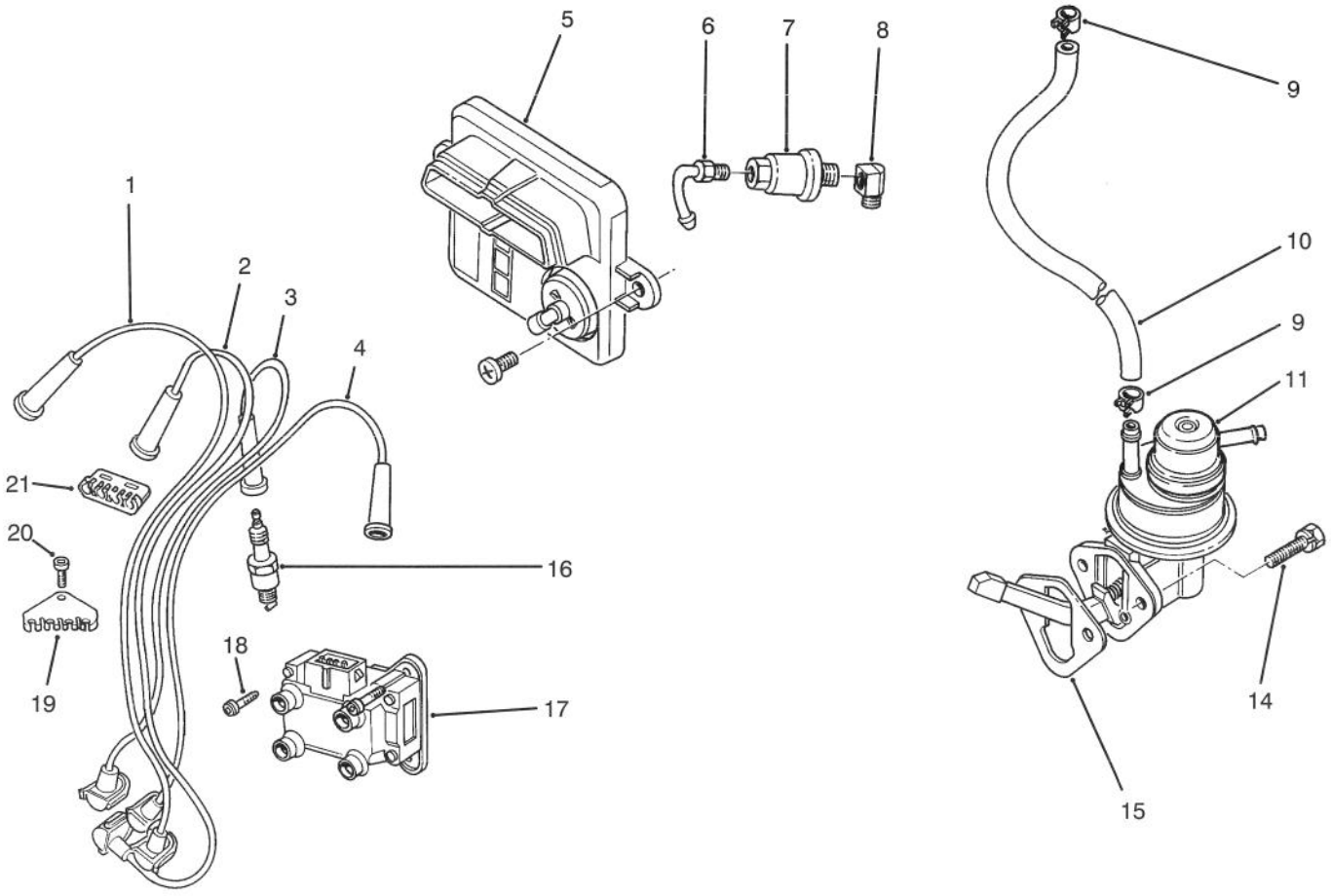
CARBURETOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	FOJL–9510BA	Carburetor Assembly	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
*	F0JI–9590–BA	Repair Kit	1

*Not Illustrated

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



T–1233

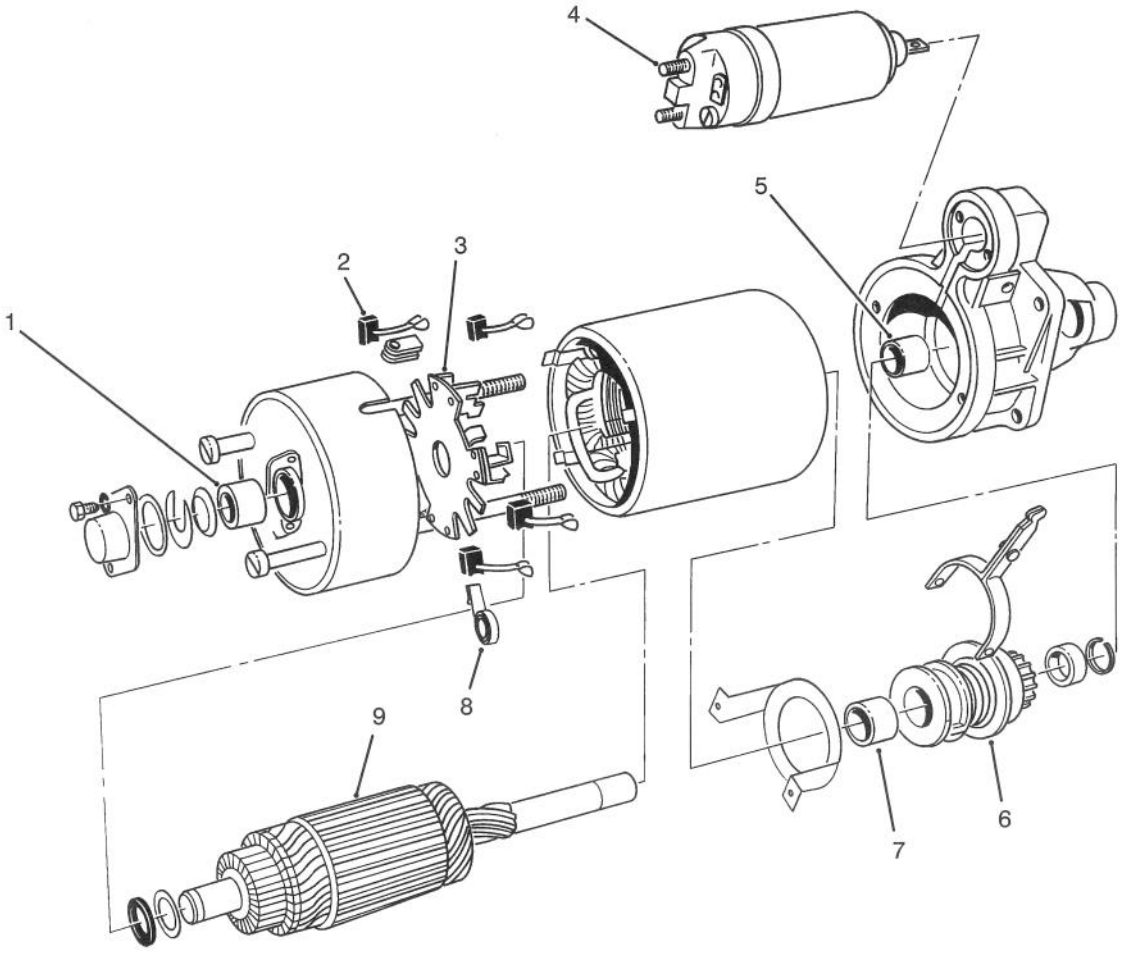
IGNITION & FUEL PUMP ASSEMBLY

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

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

*Not Illustrated

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



T–1005

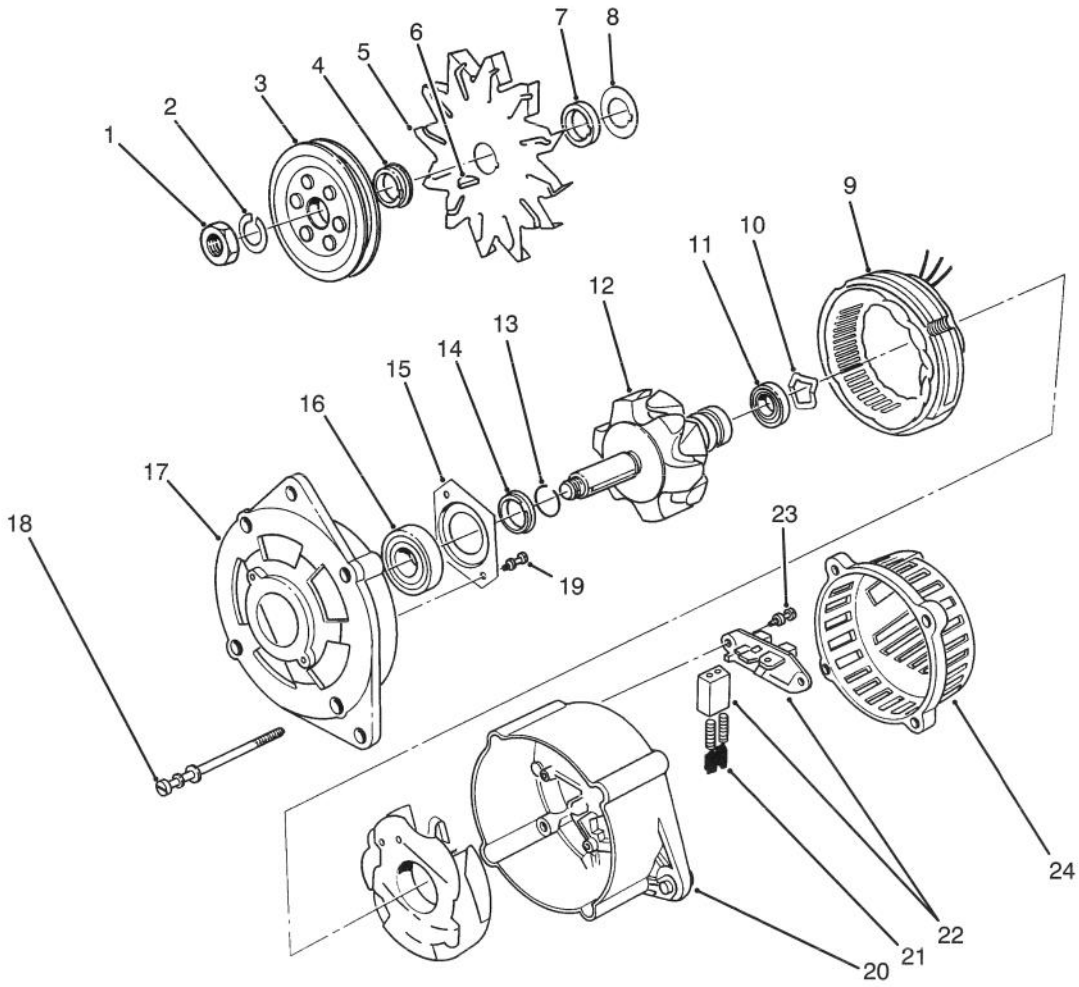
STARTER MOTOR ASSEMBLY (91AB11000JB)

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

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

*Not Illustrated

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



T–1000

ALTERNATOR ASSEMBLY

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

*Not Illustrated

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

TORO PART NUMBER INDEX

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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
25–2510	Washer – Flat	22	25	2
25–2530	Headless Straight Pin	22	39	1
25–2550	Charge Pump Housing	22	34	1
25–2570	Valve Spring	22	30	1
25–2580	Trunnion Shaft	22	26	1
25–2610	Accel. Valve Spring	22	16	1
25–2630	Back Up Ring	22	14	1
25–2640	Valve Spring	22	8	2
25–2650	Check Valve Plug	22	6	2
25–2680	Gerotor Assembly	22	38	1
25–3180	Check Valve Kit	22	11	2
25–3190	Charge Pump	22	40	1
25–3210	Lip Seal	22	24	2
25–8640	Screw – Machine	28	11	1
26–6740	Temperature Reset Relay	3	13	1
27–1960	Hub – Engine	30	53	1
27–2360	Switch	3	15	1
27–6590	Spacer Rubber Coupling	20	22	2
27–6600	Spacer Rubber Coupling	20	20	6
27–7100	Air Cleaner Assembly	33	5	1
27–7110	Element Assembly	33	14	1
27–7120	Nut & Gasket Assembly	33	15	1
27–7130	Clamp Assembly	33	17	1
27–7140	Skirt – Baffle	33	16	1
27–7150	Cup Assembly	33	19	1
27–7160	Decal – Instructions	33	12	1
27–7170	Band Assembly	33	3	2
27–7180	Cap Assembly – Air Inlet	33	8	1
27–7290	Decal – Power Take Off	1	16	1
27–7310	Decal – Refueling	2	39	1
27–7320	Decal – Traction Pedal	1	1	1
27–7370	Brake Assembly P.T.O.	7	25	1
27–7490	Pedal – L.H. Brake	9	41	1
27–7510	Pedal – R.H. Brake	9	42	1
27–7570	Pad – Left Turn	9	38	1
27–7580	Pad – Right Turn	9	2	1
27–7590	Mount – Brake	9	34	1
27–7640	Shaft – Brake Latch	9	36	1
27–7900	Screw – Adjusting	7	35	1
27–8550	Pedal – Parking Bake	9	45	1
27–9270	Mount – Brake Pivot Shaft	9	35	1
28–0650	Flanged Axle Shaft	17	1	2
28–0660	Screw – Cap, Hex. Hd.	17	22	8
28–0670	Oil Seal	17	8	2
28–0680	Brake Drum	17	13	2
28–1280	Boot – Cable	1	18	1
28–5220	Wheel – Friction	9	25	1
28–9570	Pump Lever	20	51	1
29–6120	Pump Plate	20	3	1
29–6150	Leaf Spring	20	46	1
29–6163	Micro Switch	20	2	1
29–6170	Extended Leaf Spring	20	7	1
31–0390	Disc – Friction	11	31	1
33–4380	Pump Hub	20	14	1
37–9550	Strap – Tank Fuel	14	4	1
37–9650	Trim	1	26	1
38–1650	Fuel Gauge	3	8	1
38–1660	Ammeter	3	10	1
38–1670	Mounting Clamp	3	7	2
38–3400	Guard – Rubber	24	5	1
38–3400	Guard – Rubber	21	60	1
38–4550	Instrument Cover	1	28	1
38–4600	Bar – Frame L.H.	5	23	1
39–8020	Trim–Instrument Cover	1	31	1
41–8760	Gasket – Transmission	20	45	1
42–6080	Shim – Axle	14	26	A/R
42–9500	Screw – Metric	29	3	4
42–9530	Screw – Metric	29	29	3
42–9600	Washer – Lock	29	7	8
42–9850	Washer – Lock	29	4	8
43–1710	Valve Assembly	24	13	1
43–1730	Body	27	7	1
43–2600	Screw – Metric	29	6	3
43–3320	Foam – Radiator	5	33	2
43–3720	Collar Bearing	29	48	1
43–3780	Swivel – Cable Throttle	28	13	1
43–3810	Tube Air Cleaner	33	7	1
43–3860	Shaft – Pivot P.T.O.	7	9	1
43–4300	Trim – Rear Frame	2	32	2
43–5500	Pivot P.T.O.	7	31	1
43–5540	Shaft P.T.O.	7	43	1
43–5550	Shaft – P.T.O. Actuator	7	32	1
43–5570	Arm – P.T.O. Actuator	7	38	1
43–5630	Yoke – P.T.O.	7	51	1
43–5930	Washer – Lock	29	17	3
43–5930	Washer – Metric	5	4	2
43–6550	Snap Ring	15	21	1
43–6710	Adjustment Shim .003	15	15	A/R
43–6711	Adjustment Shim .005	15	16	A/R
43–6712	Adjustment Shim .010	15	17	A/R
43–6713	Adjustment Shim .030	15	18	A/R
43–6750	Roller Bearing Cup	15	10	1
43–6760	Roller Bearing Cone	15	9	1
43–6800	Nut – Lock	17	18	8
43–6810	Torque – Spider	17	6	2
43–6840	Lower Housing	16	34	1
43–8600	Spring – Compression	6	11	1
43–8600	Spring – Compression	8	66	1
43–8610	Guide – Spring & Ball Seat	7	5	1
43–8610	Guide – Spring & Ball Seat	6	12	1
43–8620	Guide – Switch Pin	6	9	1
43–8620	Guide – Switch Pin	8	68	1
43–8860	Plunger – Switch	6	10	1
43–8860	Plunger – Switch	8	67	1
43–8870	Boot – Switch	6	1	1
43–8870	Boot – Switch	8	71	1
43–9071	Assembly – Switch	6	*	1
43–9071	Assembly – Switch	8	*	1
43–9110	Tank – Fuel	14	12	1
44–2210	Warning Light	3	30	1
44–2230	Rubber Coupling	20	17	2
46–2210	Shim – Front Pinion Bearing	15	22	A/R
46–2211	Shim – Front Pinion Bearing	15	*	A/R
46–2212	Shim – Front Pinion Bearing	15	*22	A/R
46–2213	Shim – Front Pinion Bearing	15	*	A/R
46–2214	Shim – Front Pinion Bearing	15	*	A/R
46–2215	Shim – Front Pinion Bearing	15	*A/R/	
46–2216	Shim – Front Pinion Bearing	15	*	A/R
46–2220	Shim – Front Pinion Bearing	15	*	A/R
46–2221	Shim – Front Pinion Bearing	15	*	A/R
46–2222	Shim – Front Pinion Bearing	15	*	A/R
46–2223	Shim – Front Pinion Bearing	15	*	A/R
46–2224	Shim – Front Pinion Bearing	15	*	A/R
46–2225	Shim – Front Pinion Bearing	15	*	A/R
46–2226	Shim – Front Pinion Bearing	15	*	A/R
46–2410	Shim – Front Pinion Bearing	15	*	A/R
46–2411	Shim – Front Pinion Bearing	16	*22	A/R
46–2412	Shim – Front Pinion Bearing	16	*	A/R
46–2413	Shim – Front Pinion Bearing	16	*	A/R
46–2414	Shim – Front Pinion Bearing	16	*	A/R
46–2415	Shim – Front Pinion Bearing	16	*	A/R
46–2416	Shim – Front Pinion Bearing	16	*	A/R
46–2420	Shim – Front Pinion Bearing	16	*	A/R
46–2421	Shim – Front Pinion Bearing	16	*	A/R
46–2422	Shim – Front Pinion Bearing	16	*	A/R
46–2423	Shim – Front Pinion Bearing	16	*	A/R
46–2424	Shim – Front Pinion Bearing	16	*	A/R
46–2425	Shim – Front Pinion Bearing	16	*22	A/R
46–2426	Shim – Front PInion Bearing	16	*	A/R
46–6390	Drive Coupling	20	18	1
46–8400	Needle Bearing	23	53	2
46–8410	Motor Shaft	23	58	1
46–8810	Stop – Leaf Spring	21	56	1
46–8840	Spring Lift Arm	34	14	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
48–1800	Cylinder Block Kit	22	5	2
48–7630	Screw – Metric	5	5	2
48–7730	Screw – Metric	29	5	1
48–7780	Screw – Metric	29	33	2
48–7800	Screw – Metric	29	8	3
48–7890	Nut	30	59	1
48–7890	Nut – Metric	5	3	2
48–7930	Nut Metric	29	32	2
48–8030	Washer – Flat	28	31	1
48–8030	Washer – Flat	29	30	4
48–9470	Screw – Metric	29	27	3
49–8520	Kit – Relief, Implement	23	63	1
53–4420	Decal – Fuel	2	38	1
53–4430	Decal – Oil	14	39	1
53–9480	Washer – Snubber	31	21	2
53–9480	Washer – Snubber	29	35	2
53–9660	V–Belt Torque Team	7	12	1
53–9680	Mount – Engine	31	20	2
53–9680	Mount – Engine	29	46	2
54–7890	Pump Housing	22	22	1
54–9040	Yoke – End (Split)	8	63	1
54–9180	Kit – U–Joint	8	58	2
54–9290	Bracket	20	29	2
54–9300	Cover	20	28	1
55–3574	Cap – Tank Fuel	14	11	1
55–4300	Warning Decal	34	12	3
55–7290	Battery (Group Size 24)	1	11	1
56–2460	Washer	18	45	A/R
56–7980	Sleeve – Protective	5	56	1
59–9740	Latch – Draw	5	20	1
60–9760	Nut	25	7	1
60–9760	Nut – Hex	26	7	1
60–9770	Piston	25	6	1
60–9780	Head	25	5	1
61–4960	Repair Kit	25	3	1
61–4980	Shaft – w/Clevis	25	2	1
61–4990	Ring – Retaining	25	4	1
62–3010	Bracket – R.H.	6	15	1
62–3020	Bracket – L.H.	6	17	1
62–3290	Shaft – Slip Yoke	8	60	1
62–3790	Tube – Slip Yoke	8	62	1
62–3800	Yoke – End	8	57	1
62–3820	Fitting – Grease	8	59	2
62–4250	Cylinder – Hydraulic	24	21	1
62–4260	Drive Shaft Assembly	7	44	1
62–6840	Sender – Fuel Level	14	6	1
62–7020	Wheel & Tire Assembly	14	*	2
62–7650	Gasket – Tank Fuel	14	5	1
63–1400	Rod – Belt	30	54	1
63–7590	Relay	3	23	1
63–7630	Hose – Vent Fuel	14	10	1
63–8140	Pulley – Idler	29	11	1
63–8360	Key	3	12	1
63–8960	Hose Assembly	5	32	1
63–8970	Hose – Trans. to Steering	11	14	1
63–8980	Hose – Aux. to Valve	11	22	1
63–8990	Hose	24	15	1
63–8990	Hose	11	23	1
63–9010	Hose Assembly	5	24	1
63–9260	Manifold – Valve	24	17	1
66–1250	Cylinder – Hydraulic	24	*	Opt.
66–1930	Nut – Lock	19	6	1
66–1940	Piston	19	5	1
66–2990	Cup – Spindle	18	50	2
66–3160	Screw – Cap, Hex Hd.	28	32	1
66–3240	Cap – Pressure Radiator	5	6	1
66–6140	Decal – Toro	5	9	1
66–6370	Lift Arm	34	1	1
66–6390	Decal – Caution	1	4	1
66–7150	Push Arm RH	34	9	1
66–9760	Nut – Hex.	11	2	1
66–9970	Spring Kit	12	*	1
66–9980	Seal Kit	12	*	1
66–9990	Needle Roller Kit	12	*	1
67–1710	Decal – Caution	1	27	1
67–1720	Decal – Torque	2	41	2
67–1750	Bushing – Axle	18	21	6
67–5450	Piston	26	6	I
67–5460	Head	26	5	1
67–5470	Ring – Retaining	26	4	1
67–5480	Shaft	26	2	1
67–5500	Repair Kit	26	3	1
67–8020	Pump Shaft	22	20	1
67–8050	Needle Bearing	22	35	1
67–8190	Bracket – Engine Support	6	20	2
67–8240	Bracket – Throttle	28	23	1
67–8250	Rod – Throttle	28	16	1
67–8260	Mount – Engine	29	37	1
67–8310	Mount – Engine	29	13	1
67–8340	Bar – Spacer	29	16	1
67–8350	Bracket – Guide Belt	29	15	1
67–8360	Governor	28	14	1
67–8370	Hub	32	4	1
67–8380	Pulley – Fan	28	7	1
67–8390	Spacer – Fan	28	6	1
67–8420	Bracket – Muffler	31	15	1
67–8440	Plate – Support Engine	31	25	1
67–8460	Pulley – Engine	29	42	1
67–8480	Support – Engine Rear	31	18	1
67–8510	Belt – Fan	28	5	1
67–8540	Cable – Ground	4	4	1
67–8550	Engine Temperature Gauge	3	11	1
67–8560	Throttle & Choke Control	3	31	2
67–8590	Radiator Assembly	5	37	1
67–8640	Shroud – Radiator	5	17	1
67–8660	Hose – Radiator Lower	5	21	1
67–8690	Support – Column	11	7	1
67–8890	Arm – Idler	29	12	1
67–8900	Spacer – Alternator	29	38	1
67–8910	Spacer – Pulley	29	19	
67–8920	Shield – Heat	28	27	1
67–8940	Connector – Outlet	31	5	1
67–8960	Weight – Axle Rear	18	1	1
67–9010	Spacer – Alternator	29	31	1
67–9030	Grille – Radiator	5	38	1
67–9080	Motor Housing	22	4	1
67–9090	Plug	22	42	1
67–9100	Gasket	22	10	1
67–9120	Muffler	31	16	1
67–9130	Pipe – Muffler	31	11	1
67–9150	Support – Governor	28	30	1
67–9800	Bumper	34	37	3
68–5140	Cap – Wheel, Steering	11	46	1
68–5370	Decal – Toro	11	1	1
68–8610	Fender – Extension	2	42	1
68–8660	Elbow	20	31	1
68–8990	Head – Filter	20	33	1
68–9160	Bracket	5	29	1
68–9650	Hose – Axle	20	37	1
68–9710	Hose – Steering Cylinder	5	55	2
68–9720	Hose – Cylinder to Steering	11	19	1
68–9730	Hose – Steering to Cylinder	11	18	1
68–9760	Base – Tank Fuel	14	40	1
70–1380	Sleeve – Protective	11	17	1
70–1390	Sleeve – Protective	11	15	1
70–1630	Hose – Radiator Upper	5	14	1
70–1660	Bracket – E.S.C.	5	42	1
70–1670	Hose – Heater	31	4	1
70–1690	Adapter – Gauge Temp.	31	2	1
70–1790	Strip – Foam Sealing	5	34	1
70–1890	Guard – Flywheel	6	18	1
70–1910	Hose – Vac. Advance	29	25	1
70–1920	Hose – Vacuum	29	20	1
70–2040	Guard – Trim	28	29	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
70–2050	Hose – Breather	31	8	1
70–2060	Cover – Governor	32	8	1
70–2070	Lever – Speed Adjusting	32	21	1
70–2080	Body	32	36	1
70–2090	Stud – Pivot Lever	32	22	1
70–2100	Sleeve & Bearing Assy.	32	18	1
70–2110	Main Shaft & Yoke	32	17	1
70–2120	Spacer	32	43	1
70–2130	Clamp – Bearing to Cover	32	13	1
70–2140	Bearing – Front	32	12	1
70–2150	Flyweight	32	15	2
70–2160	Bracket – Speed Stop	32	2	1
70–2200	Decal – Toro	1	2	1
70–2620	Elbow – 90_	20	38	1
71–4540	Washer – Thrust	18	7	1
71–4770	Screw	32	45	2
71–4780	Seal – Oil Rocker Shaft	32	27	1
72–3690	Fender	1	9	2
72–3750	Roller Bearing	22	2	1
72–4320	Switch – Ball	7	3	1
72–4320	Switch – Ball	6	14	1
72–5850	Pin – Force Idle	32	25	1
72–5860	Spring – Governor	32	24	1
72–5860	Spring – Governor	32	24	1
72–5870	Eyebolt	32	33	1
72–5880	Throttle Lever Assy.	32	32	1
72–5890	Shaft – Rocker	32	30	1
72–5910	Bumper Screw Assy.	32	34	1
72–5920	Screw	32	3	1
72–5930	Screw	32	26	1
72–5940	Bearing – Needle	32	20	1
72–9420	Vent Tube Assembly	16	39	1
74–0720	Tube – Manual	6	2	1
75–0560	Steering Wheel Assembly	11	3	1
75–9890	Washer – Shim	8	75	A/R
75–9900	Support – Engine Front	29	9	1
76–1900	O–Ring	22	18	2
76–8750	Decal – Warning	5	13	1
77–3100	Decal – Warning	5	15	2
77–3120	Bracket – Mount, Column	11	9	1
80–2880	Bracket – Steering, Tilt	11	40	1
80–2930	Washer	11	39	1
80–2940	Plate – Pivot	11	29	1
80–2960	Spacer – Tower	11	10	2
80–2980	Boss – Pin	11	32	1
80–3330	Gasket	33	18	1
82–5590	Hose – Air Cleaner	33	9	1
82–8650	Clamp – Half	11	37	1
82–8660	Cover – Tower	11	5	1
82–8670	Rod – Brake Latch	9	10	1
82–8760	Elbow	11	12	1
82–8770	Elbow	11	21	1
82–8930	Decal – Parking Brake	9	12	1
82–8940	Decal – Steering, Tilt	11	44	1
82–8970	Decal – Coolant Engine	5	2	1
82–8980	Frame	1	3	1
82–9010	Disc – Friction	11	38	1
83–7260	Relief Valve Cone	22	31	2
84–4890	Assembly – Drive Shaft	8	*	1
84–5330	Bracket – Hood Prop	5	50	1
84–5380	Strap – Hood Prop	5	49	1
84–8500	Lever – P.T.O.	7	2	1
84–8520	Bracket – P.T.O. Switch	7	6	1
84–8600	Shoe & Lining Assembly	17	9	1
85–7470	Decal – Instrument Panel	3	2	1
86–7040	Rod – Seat Prop	6	6	1
86–7050	Bracket – Switch Actuator	8	73	1
86–7060	Bracket – Hood Hold Down	5	54	1
86–7220	Gear – Transmission Output	20	44	1
86–7230	Spur–Gear	15	14	1
86–7921	Cover – Spark Plug Wire	31	40	4
86–8100	Ball Joint Assembly	34	33	2
86–9370	Panel – Instrument	3	1	1
86–9400	Support – Radiator	5	40	1
86–9410	Support – Seat	5	52	1
86–9580	Upper Housing	16	26	1
86–9600	Front Axle Assembly	14	27	1
88–0070	Floor Plate	2	47	1
88–0470	Tube – Pedal Spacer	10	49	1
88–0530	Pedal – Traction	9	18	1
88–1640	Pin – Traction Pedal	9	20	1
88–1650	Shaft – Traction Pedal	9	22	1
88–1670	Bracket – Pivot	9	23	1
88–1680	Bracket – Footrest	9	48	1
88–1710	Footrest	10	50	1
88–1720	Pad – Footrest	10	51	1
88–1730	Pad – Front Pedal	9	47	1
88–1740	Pad – Rear Pedal	9	19	1
88–8220	By Pass Valve	22	15	1
92–1661	Hose – Fuel	14	44	1
92–1662	Hose – Fuel	14	22	1
92–1773	Screw – Cap, Hex. Hd.	15	11	4
92–1774	Oil Seal	17	2	2
92–4058	Arm – P.T.O.	7	30	1
92–4060	Fork P.T.O.	7	24	1
92–4848	Gear & Pinion Assembly	16	*	1
92–4903	Assy. – Upper Hsg., 2WD	16	*	1
92–5723	Bushing – P.T.O. Fork	7	23	2
92–5727	Screw – Cap, Hex. Hd.	7	22	2
92–5838	Ball Joint	18	10	2
92–6588	Gland	19	3	1
92–6593	Seal Kit	19	2	1
92–7308	Valve – Steering, Power	11	25	1
92–7310	Bolt – Special	12	36	4
92–7314	Assembly – Column	12	*	1
92–7315	Seal	12	28	1
92–7316	Nut – Push On	12	38	4
92–7317	Foam	12	39	1
92–7800	Cover – Battery Access	1	30	1
92–7801	Shield – Cover, Battery	2	52	1
92–7802	Decal – Starting Instructions	1	29	1
92–7816	Axle – Rear	18	20	1
92–7821	Pivot – Steering	18	38	1
92–7828	Cylinder – Hydraulic	19	*	1
92–7828	Cylinder – Hydraulic	18	11	1
92–7833	Hose – Valve to Cylinder	24	19	1
92–7834	Hose	24	22	1
92–7841	Support – Axle Rear	18	5	1
92–7843	Pin – Axle Rear	18	47	1
92–8775	Gasket Kit – Liquid	17	*	2
92–8776	Plug	23	61	4
92–8777	O–Ring	23	62	2
92–8918	Center Section	23	55	1
92–8947	Transmission – Inline	20	42	1
92–9785	Belt – Alternator	29	40	1
93–0105	Wire – Harness Assembly	4	2	1
93–0307	Retainer – Nut, Lock	18	43	2
93–0309	Washer – Tab	18	35	2
93–0312	Washer	23	60	4
93–1353	Lever – Steering, Tilt	11	34	1
93–3183	Tool Box	2	40	1
93–3184	Cover	2	49	1
93–3189	Decal – Groundsmaster 345	5	8	2
93–3198	Spindle Assy. L.H.	18	23	1
93–3199	Spindle Assembly R.H.	18	46	1
93–3769	Clevis Pin	7	26	1
93–4132	O–Ring	23	54	2
93–4133	Lip Seal	22	36	1
212–93	Wire Clip	8	53	1
217–106	Wheel	18	30	2
217–116	Rim – 23 x 10.5 x 12	14	*	2
217–117	Rim	14	29	2
218–461	Nut – Jam	6	7	2
218–461	Nut – Jam	8	70	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
218–515	Mounting Bracket	3	22	1
218–516	Lens	3	4	1
218–539	Clamp	3	9	1
2112–6	Clamp – Muffler	31	12	1
231–90	Tube – Inner (Optional)	14	*	2
231–95	Tire – 23 x 10.5 x 12	14	*	2
231–101	Tire	14	28	2
231–105	Tire	18	28	2
232–27	Stem – Valve – 23 x 10.5 x 12	14	*	2
232–31	Stem – Valve	14	31	2
232–31	Stem – Valve w/Cap	18	34	2
233–17	Knob	9	11	1
233–21	Knob	24	3	1
233–35	Knob – Control	3	3	2
237–7	Seal – O–Ring	6	8	1
237–7	Seal – O–Ring	8	69	1
237–22	O–Ring	24	29	2
237–22	O–Ring	22	13	1
237–22	O–Ring	18	14	1
237–22	O–Ring	11	20	3
237–22	O–Ring	21	58	1
237–30	O–Ring	24	30	2
237–30	O–Ring	11	13	3
237–30	O–Ring	21	59	1
237–30	Seal – O–Ring	7	4	1
237–30	Seal – O–Ring	6	13	1
237–42	O–Ring	24	31	2
237–42	O–Ring	27	2	2
237–42	O–Ring	21	57	2
237–78	O–Ring	24	32	2
237–78	O–Ring	18	12	1
237–80	O–Ring	20	30	1
237–80	O–Ring	22	33	1
237–81	O–Ring	20	32	3
237–86	O–Ring	22	7	4
237–95	O–Ring	22	41	1
241–119	Cap – Dust	18	32	2
242–34	Axle Flange Stud	17	11	10
242–50	Nut – Wheel	18	31	10
249–21	Hook Clamp	1	14	3
249–40	Keeper	5	11	1
2412–3	Clamp – Hose	5	7	4
2412–6	Clamp	14	9	1
2412–31	Clamp – Cable	28	20	1
2412–34	Clamp – Hose	20	36	2
2412–36	Clamp	11	24	2
2412–36	Clamp – Hose	24	16	1
2412–39	Clamp	1	24	2
2412–39	Clamp	5	35	3
2412–39	Clamp – R	31	10	1
2412–42	Hose Clamp	33	10	2
2412–74	Clamp	2	34	2
2412–96	Clamp – R	14	21	1
2412–108	Clamp	31	9	2
2412–108	Clamp	14	23	3
2412–108	Clamp Hose	24	28	2
2412–119	Clamp – Hose	31	3	2
2412–133	R–Clamp	6	3	2
251–8	Ball Bearing	22	46	1
251–234	Lock Collar	7	41	2
251–252	Ball Bearing	7	40	2
251–252	Bearing	29	49	1
251–259	Ball Bearing	20	5	1
252–82	Needle Bearing	22	23	2
253–129	Closure	18	36	2
254–65	Cone – Tapered Bearing	16	28	2
254–66	Cup – Tapered Bearing	16	27	2
254–72	Cup – Bearing	18	26	4
254–90	Bearing Cup	16	24	1
254–91	Bearing Cone	16	23	1
254–94	Cone – Bearing	18	27	4
256–10	Bushing	9	43	4
256–121	Bushing – Thrust	18	22	2
256–126	Bushing	34	16	6
256–156	Bushing	9	6	5
256–242	Bushing	18	44	2
283–10	Pin	34	40	1
283–17	Pin	24	26	1
283–42	Clevis Pin	7	7	1
283–58	Pin – Clevis	9	14	2
283–76	Pin – Lynch	5	53	1
285–17	Pipe Plug	22	12	2
285–17	Plug – Pipe	32	9	2
289–37	Nipple – Pipe	14	37	1
2811–9	Elbow – Street	14	36	1
302–2	Grease Fitting	7	39	1
302–5	Fitting	18	19	3
302–5	Fitting – Grease	9	44	2
302–5	Grease Fitting	34	13	1
302–5	Grease Fitting	34	34	2
302–10	Fitting – Grease	7	10	1
302–10	Fitting – Grease	29	47	1
302–11	Fitting	18	15	3
302–33	Grease Fitting	34	28	2
302–55	Fitting – Grease	25	1	2
302–55	Grease Fitting	26	1	2
302–58	Fitting – Grease	8	61	1
304–46	Draincock	5	22	1
304–73	Fitting – Straight Barb	24	23	1
304–75	Fitting – 90_ Barb	24	20	1
321–2	Screw – Cap, Hex. Hd.	20	26	2
321–4	Screw – Cap Hex. Hd.	8	72	1
321–4	Screw – Cap, Hex Hd.	28	18	1
321–4	Screw – Cap, Hex. Hd.	20	27	2
321–6	Screw – Cap Hex Hd.	14	25	1
321–6	Screw – Cap Hex. Hd.	5	51	1
321–6	Screw – Cap, Hex Hd.	28	24	2
321–6	Screw – Cap, Hex. Hd.	20	47	2
321–23	Screw – Cap, Hex. Hd.	24	14	5
321–39	Screw – Cap, Hex Hd.	28	28	2
321–39	Screw – Cap, Hex Hd.	5	45	2
322–3	Screw – Cap, Hex Hd.	5	57	1
322–3	Screw – Cap, Hex. Hd.	33	1	4
322–4	Screw – Cap, Hex. Hd.	22	37	4
322–4	Screw – Cap, Hex. Hd.	11	43	1
322–5	Screw – Cap, Hex. Hd.	3	17	2
322–6	Screw – Cap, Hex. Hd.	20	21	6
322–8	Screw – Cap, Hex. Hd.	20	25	2
322–9	Screw – Cap Hex. Hd.	8	65	2
322–12	Screw – Cap, Hex Hd.	28	1	4
322–17	Screw – Cap, Hex. Hd.	20	8	1
323–6	Screw – Cap, Hex. Hd.	11	27	2
323–6	Screw – Cap Hex. Hd.	16	46	1
323–7	Screw – Cap, Hex. Hd.	20	39	2
323–13	Screw – Cap, Hex. Hd.	9	32	2
323–14	Screw – Cap, Hex Hd.	5	30	3
323–56	Screw – Cap, Hex. Hd.	22	3	4
324–4	Capscrew	34	19	2
324–11	Capscrew	34	22	2
324–11	Screw – Cap Hex. Hd.	29	34	2
324–11	Screw – Cap, Hex Hd.	31	22	2
329–3	Screw – Cap, Hex. Hd.	32	16	2
3210–7	Screw – Cap, Hex. Hd.	20	6	1
3210–7	Screw – Cap, Hex. Hd.	15	19	8
3217–5	Nut	28	22	1
3217–6	Nut	1	10	2
3217–6	Nut	33	11	2
3217–6	Nut	3	19	2
3217–7	Nut – Hex	9	28	2
3217–8	Full Nut	34	8	2
3217–9	Nut	16	42	2
3217–16	Nut	20	48	2
3217–26	Nut – Hex.	3	21	1
3217–27	Nut – Hex.	3	34	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3217–29	Nut – Hex.	3	33	6
3218–5	Nut – Jam	9	3	2
3218–7	Nut – Jam	11	42	1
3219–1	Nut	32	1	2
3219–2	Nut	15	1	8
3219–2	Nut	32	29	2
3219–2	Nut – Hex	20	9	1
3219–3	Nut	7	33	1
3219–7	Nut – Hex.	7	16	1
3219–14	Nut	3	5	4
3219–14	Nut	14	42	1
3219–14	Nut – Hex	28	10	3
3220–3	Nut – Jam	9	27	1
3220–3	Nut – Jam	18	42	8
3220–5	Nut – Jam	9	46	1
3220–5	Nut – Jam R.H. Thread	18	40	2
3220–6	Nut	12	27	1
3220–6	Nut – Jam	18	37	4
3220–7	Nut – Jam	18	29	2
3220–12	Nut – Jam L.H. Thread	18	*	2
3229–1	Bolt – Carriage	2	36	5
3230–1	Bolt – Carriage	10	52	2
3230–2	Bolt – Carriage	14	14	3
3231–21	Bolt – Carriage	9	31	2
3231–22	Bolt – Carriage	29	14	2
3231–28	Bolt – Carriage	29	10	1
3234–1	Screw – Cap, Flange Hd.	5	18	2
3234–5	Screw – Lock, Flange Hd.	28	26	1
3234–6	Screw – Cap Flange Hd.	6	19	2
3234–11	Capscrew w/Locking Flange	1	23	5
3234–11	Screw – Cap Flange Hd.	6	21	6
3234–11	Screw – Cap, Hex. Hd .	9	39	3
3234–11	Screw – Flange Head	14	35	2
3234–11	Screw – Flange Lock	29	36	4
3234–11	Screw – Flange Lock	31	39	4
3234–11	Screw – Lock, Flange Hd.	28	33	2
3234–12	Screw – Flange Hex. Hd.	1	7	4
3234–13	Screw	18	49	2
3234–14	Screw – Cap, Hex. Hd.	2	43	2
3234–14	Screw – Flange, Hex Hd.	5	19	6
3234–17	Screw – Cap Flange Hd.	6	16	4
3234–17	Screw – Cap, Hex. Hd.	11	8	2
3234–18	Screw – Hex. Hd. Flange	30	56	1
3234–25	Screw – Hex. Flange Hd.	2	48	4
3234–32	Screw – Hex Hd. Flange	18	3	6
3241–5	Square Hd. Set Screw	20	16	2
3245–1	Screw – Set	7	46	2
3245–5	Screw – Set	30	52	2
3246–3	Screw – Set	7	29	4
3249–11	Screw – Round Hd. Mach.	20	1	2
3250–29	Screw – Pan Hd.	29	22	1
3250–29	Screw – Pan Hd.	2	53	3
3253–3	Washer – Lock	14	2	2
3253–3	Washer – Lock	28	21	1
3253–4	Washer – Lock	28	2	4
3253–4	Washer – Lock	1	8	2
3253–6	Lockwasher	34	7	2
3253–12	Washer – Lock	28	17	1
3253–17	Washer – Lock	14	41	1
3253–21	Washer – Lock	9	29	4
3253–21	Washer – Lock	14	34	2
3253–21	Washer – Lock	16	45	1
3253–21	Washer – Lock	20	40	2
3253–21	Washer – Lock	8	55	4
3254–1	Washer – Lock	3	6	6
3254–2	Washer – Lock Internal	2	50	1
3254–2	Washer – Lock, Int. Tooth	3	18	6
3254–7	Washer – Lock	7	15	1
3254–9	Washer – Lock	20	49	2
3255–5	Washer – Lock	3	20	1
3255–7	Washer – Lock	20	50	3
3255–8	Washer – Lock	15	2	8
3255–24	Washer – Lock	3	32	5
3256–2	Washer – Flat	28	3	4
3256–3	Washer – Flat	20	23	4
3256–3	Washer – Flat	11	28	4
3256–5	Washer – Flat	16	43	2
3256–6	Washer – Flat	7	20	1
3256–6	Washer – Flat	20	53	1
3256–21	Washer – Flat	29	23	1
3256–22	Washer – Flat	9	8	1
3256–22	Washer – Flat	28	19	1
3256–22	Washer – Flat	5	48	1
3256–25	Flat Washer	34	6	1
3256–26	Washer – Flat	9	40	1
3256–28	Washer – Flat	7	14	4
3256–41	Washer – Flat	7	36	4
3256–46	Washer – Flat	11	26	2
3256–56	Washer – Flat	28	25	1
3257–5	Key – Woodruff	7	11	3
3257–32	Woodruff Key	20	15	1
3257–32	Woodruff Key	22	21	1
3257–33	Key – Woodruff	29	43	1
3258–19	Round Hd. Machine Screw	33	4	2
3269–10	Washer	5	46	2
3269–13	Rivet	5	12	2
3272–5	Pin – Cotter	9	7	3
3272–6	Cotter Pin	24	8	1
3272–6	Pin – Cotter	9	21	6
3272–10	Cotter Pin	7	8	1
3272–10	Cotter Pin	34	38	3
3272–10	Cotter Pin	21	54	1
3272–11	Cotter Pin	34	2	2
3272–11	Pin – Cotter	7	28	1
3272–13	Pin – Cotter	18	33	2
3272–22	Pin – Cotter	7	17	2
3272–24	Cotter Pin	34	10	1
3272–33	Cotter Pin	34	17	1
3274–47	Screw – Flat Hd. Socket	9	33	1
3290–134	Screw Machine Hex. Hd.	3	25	4
3290–144	Screw – Machine	1	15	6
3290–224	Washer – Pyramidal	30	55	1
3290–271	Rivet	5	10	4
3290–357	Nut – Lock, Flange	29	2	12
3290–357	Nut – Lock, Flange	31	14	5
3290–357	Nut – Lock, Flange	28	15	2
3290–357	Nut – Lock, Flange	6	22	6
3290–357	Nut – Lock, Flange	1	25	5
3290–360	Screw Machine Hex. Hd.	3	26	1
3290–378	Cable Tie	1	21	2
3290–379	Cable – Tie	30	58	3
3290–379	Cable Tie	3	24	1
3290–379	Tie – Cable	11	16	3
3290–379	Tie – Cable	5	31	4
3296–2	Nut – Lock	1	17	6
3296–5	Nut – Lock	32	23	1
3296–6	Nut – Lock	7	34	1
3296–12	Nut – Lock	3	29	5
3296–16	Nut – Lock	5	47	1
3296–16	Nut – Lock	8	74	1
3296–20	Nut – Lock	28	12	1
3296–20	Nut – Lock	11	30	4
3296–28	Nut – Lock	7	27	1
3296–29	Nut – Lock	20	4	1
3296–29	Nut – Lock	11	36	2
3296–29	Nut – Lock	8	64	2
3296–42	Nut – Lock	20	10	6
3296–42	Nut – Lock	24	10	5
3296–54	Nut – Lock	2	54	3
32103–2	Nut – Wing	1	13	2
32103–2	Nut – Wing	5	41	2
32104–6	Screw – Hex. Hd. Tapping	8	56	4
32104–96	Screw – Cap, Hex Hd.	14	3	1
32104–116	Screw – Flange, Hex Hd.	5	16	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
32107–11	Nut	33	2	2
32120–8	Retaining Ring	22	1	1
32120–11	Retaining Ring	22	47	1
32120–15	Retaining Ring	22	45	1
32120–22	Ring – Retaining	7	42	2
32120–22	Ring – Retaining Int.	29	50	1
32120–69	Ring – Retaining Ext.	30	51	1
32120–72	Ring – Retaining External	20	43	1
32121–6	Roll Pin	20	11	1
32121–9	Pin – Roll	7	49	1
32121–15	Roll Pin	16	30	1
32121–16	Pin – Roll	9	24	1
32121–24	Roll Pin	21	55	1
32121–34	Pin – Roll	7	45	2
32121–51	Pin – Hub To Shaft	32	44	1
32121–73	Pin Slotted Spring	24	9	1
32121–84	Roll Pin	34	25	2
32121–91	Coil Spring Pin	22	49	3
32128–13	Nut – Lock, Flange	2	37	5
32128–20	Nut – Flange	14	33	3
32128–20	Nut – Flange	11	41	1
32128–20	Nut – Flange Head	5	26	7
32128–20	Nut – Lock, Flange	2	35	1
32128–20	Nut – Lock, Flange Hd.	33	13	4
32128–21	Nut – Flange Head	5	25	3
32128–21	Nut – Lock, Flange	1	6	10
32128–23	Nut – Lock, Flange	18	2	4
32128–23	Nut – Lock, Flange	29	44	2
32128–25	Nut – Flange Lock	10	53	2
32128–33	Nut – Lock, Flange	28	8	4
32128–33	Nut – Lock, Flange	5	39	2
32128–37	Nut – Lock, Flange	31	19	2
32128–37	Nut – Lock, Flange	29	45	2
32128–42	Nut – Flange	34	27	4
32136–2	Nut	34	3	2
32144–10	Screw – Hex. Self–Tapping	5	1	5
32144–10	Screw – Hex. Thd. Form	11	6	6
32144–10	Screw – Self Tapping	24	4	2
32144–10	Screw – Self Tapping	6	4	2
32144–10	Screw – Self Tapping	2	44	11
32144–14	Screw – Self Tapping	18	48	2
32144–21	Screw	11	45	1
32144–53	Screw – Thread Forming	14	7	5
32144–67	Screw – Thread Forming	14	32	4
32146–20	Nut – Lock	18	6	1
32149–2	Nut	9	37	1
32151–36	Ring – Retaining	18	16	3
32151–46	Retaining Ring	22	27	2
32151–104	Ring – Retaining	18	9	2
32152–1	Nut – Lock	20	19	8
32153–2	Nut – Hex.	11	11	2
32153–2	Nut – Lock	9	30	2
32153–2	Nut – Lock	30	57	1
340–54	Fitting – 45_	18	13	1
340–70	Nut – Lock, Bulkhead	5	28	2
340–71	Union – Bulkhead	5	27	2
340–77	Elbow	20	12	1
340–97	Fitting – 90_	24	25	1
340–99	Fitting – 90_ Elbow	24	12	1
340–99	Elbow	20	13	1
340–110	Elbow – 90_	24	24	1
340–112	Elbow 90_	24	18	1
353–508	Plug – Drain	20	41	1
353–512	Plug	24	1	1
353–536	Fitting – Tank Fuel	14	8	2
353–550	Plug – Hex. Hd.	22	19	2
353–551	Hex. Hd. Plug	22	32	1
353–987	Elbow	20	35	1
384007–5	Clamp – Valve	29	21	1

*Not Illustrated

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit which is not reflected in your manual see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Groundsmaster 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
Main Frame	1–2
Instrument Panel Assembly	3
Electrical Schematic	4
Radiator & Hood Assembly	5
Interlock Assembly	6
Power Take Off Assembly	7–8
Brake Pedal Assembly	9–10
Power Steering Assembly	11
Power Steering & Valve Assembly No. 92–7308	12
Hydraulic Schematic	13
Front Axle and Fuel Tank Assembly	14
Front Axle Assembly No. 86–9600	15–16
Brake Assembly	17
Rear Wheel & Axle Assembly	18
Hydraulic Steering Cylinder Assembly No. 92–7828	19
Hydrostatic Transmission	20–21
Transmission Assembly No. 92–8947	22–23
Valve and Cylinder Assembly	24
Hydraulic Lift Cylinder Assembly No. 66–4250 (2–1/2" Bore)	25
Hydraulic Lift Cylinder Assembly No. 66–1250 (3" Bore) (Optional)	26
Control Valve Assembly No. 43–1710	27
Engine Assembly	28–31
Governor Assembly No. 67–8360	32
Air Cleaner Assembly	33
Push Arm Assembly	34
Crankshaft & Camshaft Assembly	35–37
Oil Filter & Pump Assembly	38
Cylinder Head & Valve Assembly	39
Manifold Assembly	40
Carburetor Assembly	41
Ignition & Fuel Pump Assembly	42
Starter Motor Assembly	43
Alternator Assembly	44
TORO Part Number Index	45–51

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