FORM NO. 3316–446

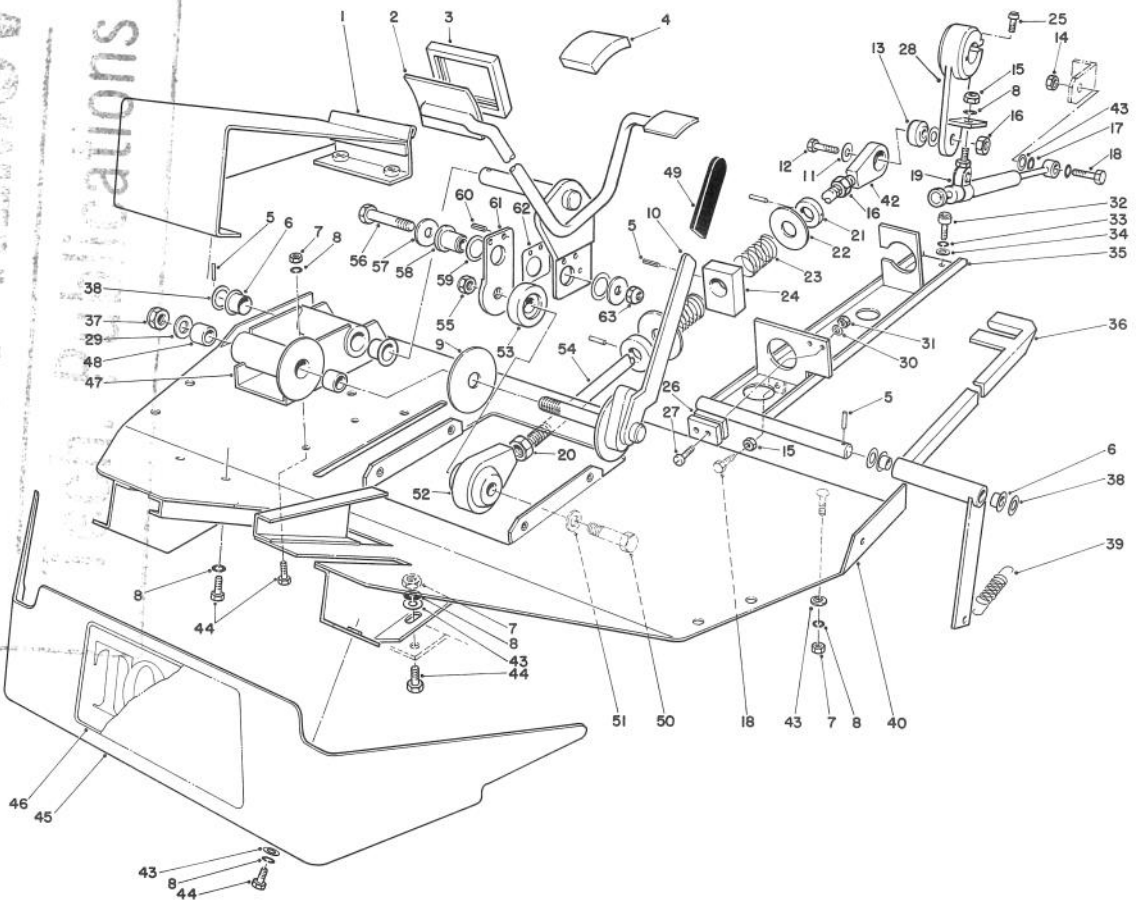
TORO®

MODEL NO. 03702–40001 & UP
MODEL NO. 03703–40001 & UP

PARTS CATALOG

REELMASTER® 4500D 2wd
Traction Unit

CAN COPY
Supplied by



T–0113

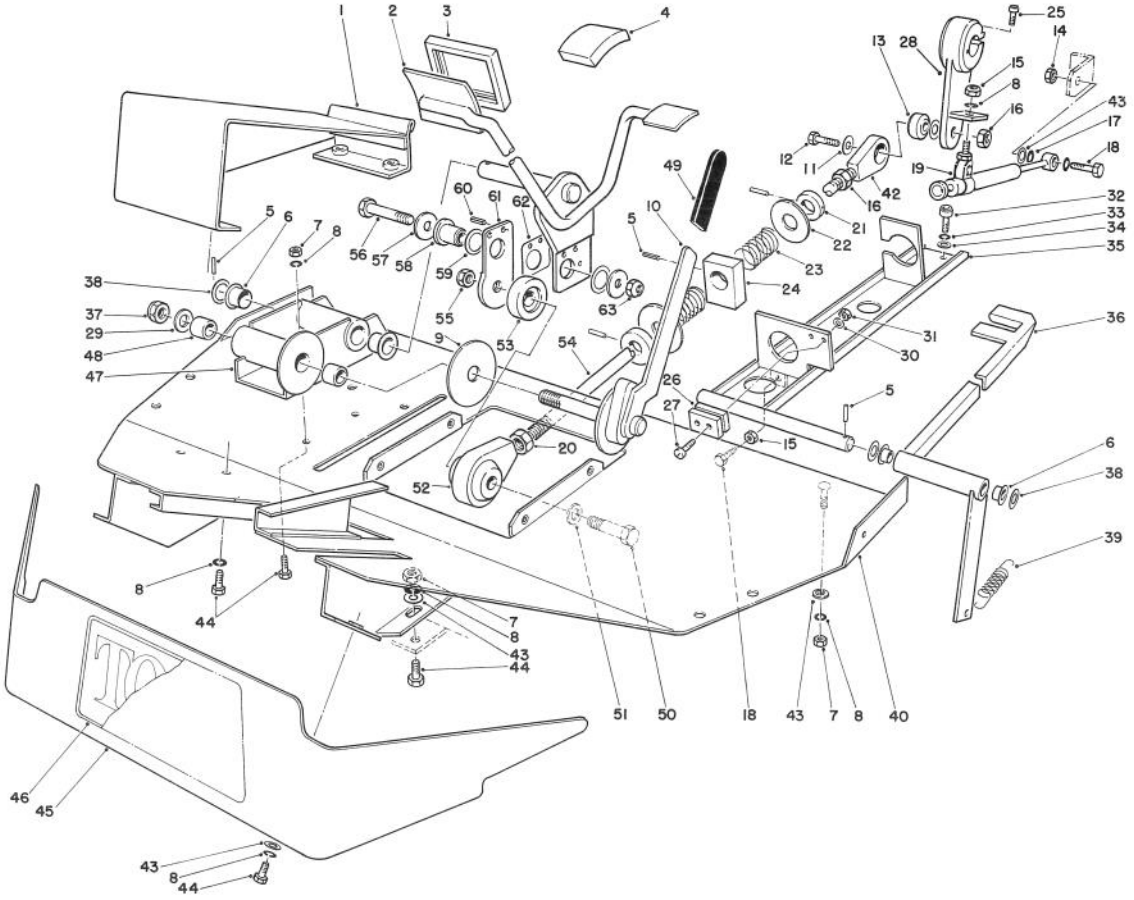
FOOT REST & PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58–9580	Foot Rest	1
2	76–3280	Pedal – Traction	1
3	74–9100	Pad – Forward	1
4	74–9110	Pad – Reverse	1
5	60–2110	Pin – Roll	5
6	48–6790	Bushing – Flanged	4
7	48–7930	Nut – Hex.	7
8	48–9570	Washer – Lock	15
9	3–2858	Disc – Friction	1
10	60–1130	Lever	1
11	3290–483	Washer	3
12	325–9	Bolt	1
13	47–7030	Bushing – Rubber	1
14	48–9510	Nut – Hex.	1
15	48–7930	Nut – Hex.	3
16	3217–9	Nut – Hex.	2

Ref. No.	Part No.	Description	No. Used
17	3290–482	Washer	2
18	48–7740	Bolt	3
19	48–7100	Dampener	1
20	3219–5	Nut – Hex.	1
21	58–4310	Ring	2
22	58–5100	Washer	2
23	60–5700	Spring	2
24	58–9010	Block	1
25	60–6540	Bolt	1
26	29–6163	Switch	2
27	3250–40	Screw	2
28	58–7800	Lever Pump	1
29	60–6990	Washer	1
30	3255–24	Washer – Lock	2
31	3217–29	Nut – Hex.	2
32	3274–7	Bolt	2

© The TORO Company –1993
All Rights Reserved

TPS

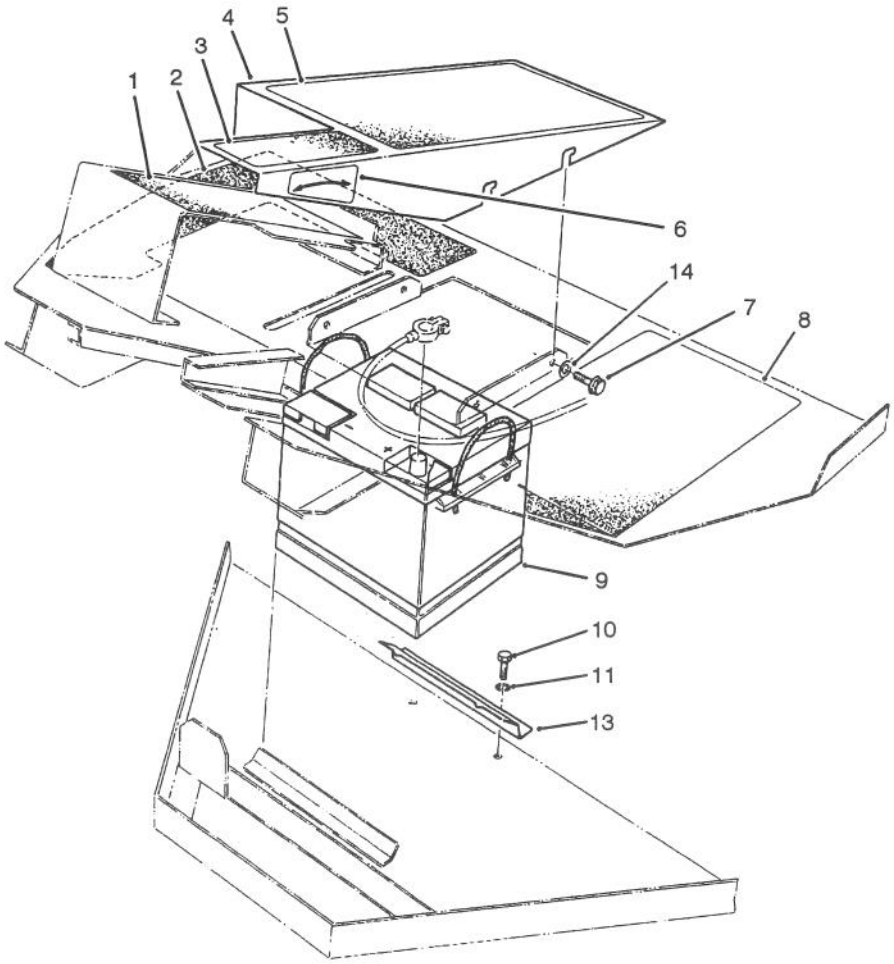


T–0113

FOOT REST & PEDALS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
33	3253–5	Washer – Lock	2
34	3256–24	Washer	2
35	60–0730	Bracket – Lock, Neutral	1
36	58–0800	Lever – Neutral Lock	1
37	3296–19	Nut – Lock	1
38	60–6740	Washer	3
39	48–6940	Spring	1
40	92–4730	Plate – Floor	1
42	60–0760	Clevis	1
43	48–8030	Washer	6
44	66–3160	Bolt	11
45	58–0400	Shroud – Front	1
46	62–7400	Decal – Toro	1
47	60–0600	Bracket	1
48	60–1110	Bushing	2

Ref. No.	Part No.	Description	No. Used
49	3–7877	Grip	1
50	325–8	Screw – Cap Hex. Hd.	1
51	3256–26	Washer – Flat	1
52	2411–44	Rod End – Ball Joint	1
53	76–3350	Spacer	1
54	76–3430	Rod	1
55	3296–25	Nut – Lock	1
56	3211–6	Screw – Cap Hex. Hd.	1
57	3256–45	Washer – Flat	2
58	76–3370	Bushing	1
59	3256–76	Washer – Flat	2
60	32121–11	Pin – Roll	2
61	76–3340	Link	1
62	76–3330	Spacer	1
63	3296–6	Nut – Lock	1



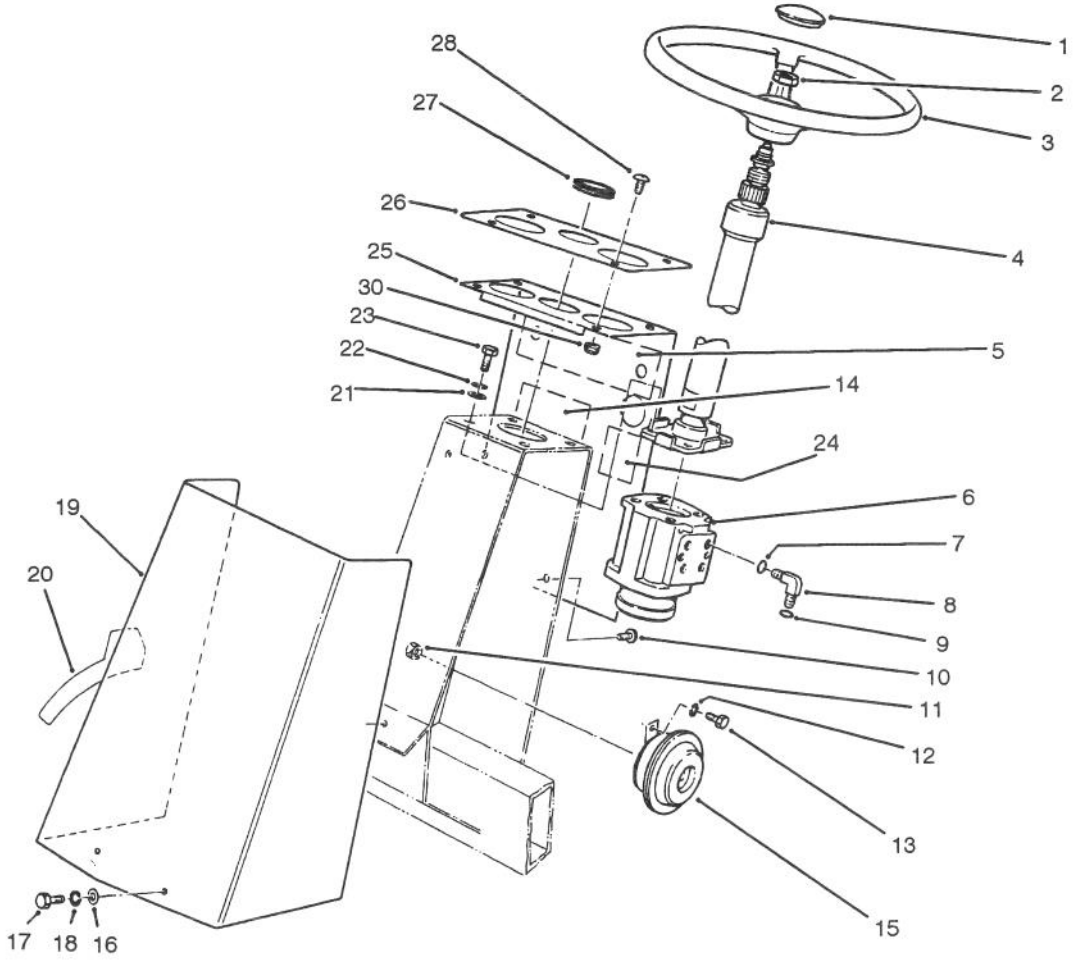
T–0114

FOOT PADS & BATTERY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	59–7280	Foot Pad – Traction	1
2	58–6510	Foot Pad – R.H.	1
3	62–6440	Foot Pad	1
4	58–7390	Foot Rest Assembly	1
5	58–6630	Foot Pad – Center	1
6	59–7960	Decal – Latch	1
7	48–7620	Bolt – Flange, Hex. Hd.	3

Ref. No.	Part No.	Description	No. Used
8	58–6620	Foot Pad – L.H.	1
†9		Battery	1
10	322–4	Screw – Cap Hex. Hd.	2
11	3253–4	Washer – Lock	2
13	58–7270	Bar – Clamp	1
14	3256–16	Washer – Flat	3

†Obtain Locally

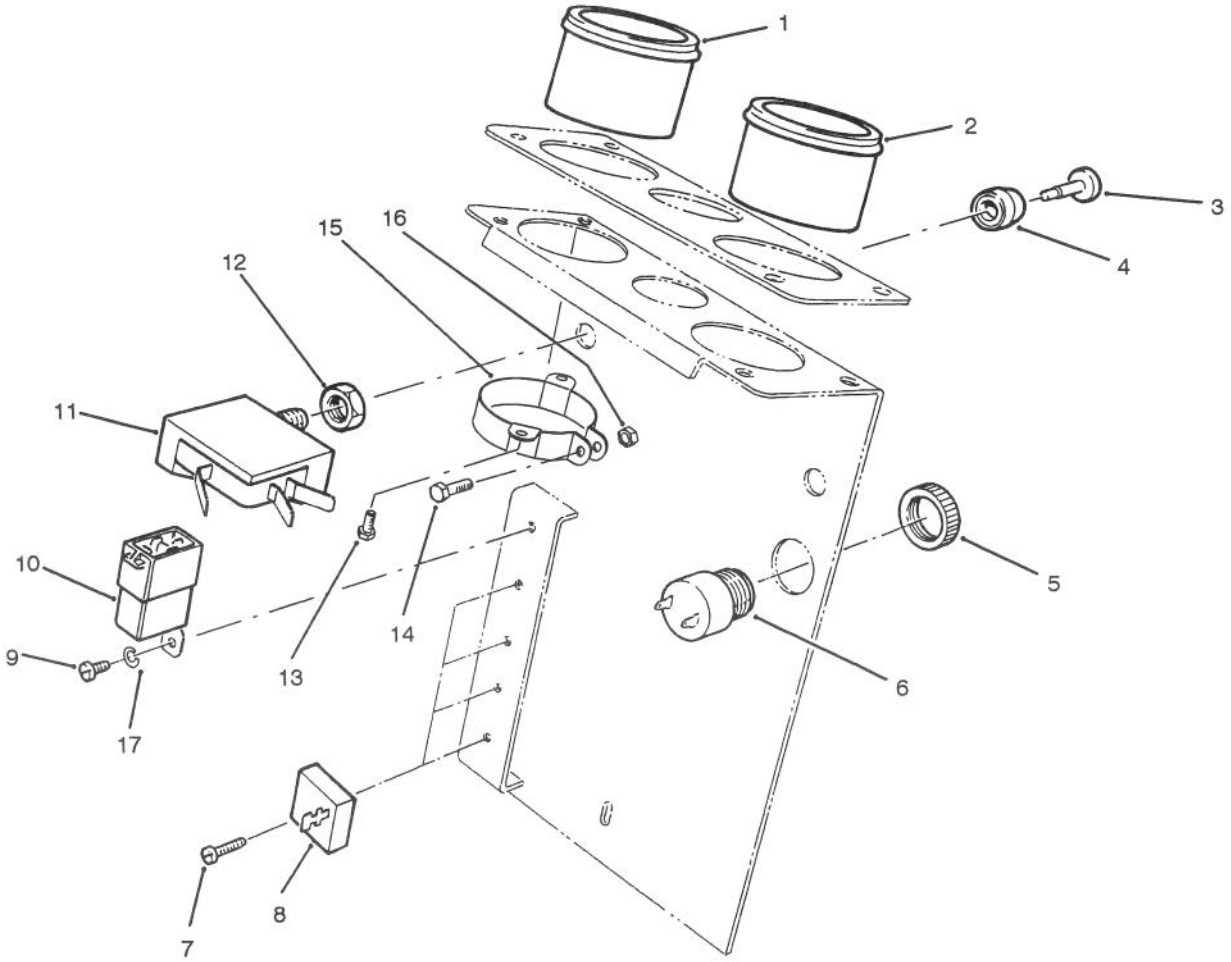


STEERING TOWER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72–0130	Button – Horn	1
2	47–6990	Nut – Hex.	1
3	68–8080	Wheel – Steering	1
4	58–5960	Column – Steering	1
5	77–4830	Decal	1
6	74–2720	Valve – Steering	1
7	237–79	O–Ring	4
8	340–18	Fitting (Incl. Ref. #7 & 9)	4
9	237–22	O–Ring	4
10	60–3260	Screw	1
11	3217–6	Nut	1
12	3253–4	Washer – Lock	1
13	322–3	Screw – Cap Hex. Hd.	1
14	92–5524	Decal (Model 03703 Only)	1
15	48–4590	Horn	1
16	48–8010	Washer	2

Ref. No.	Part No.	Description	No. Used
17	48–7610	Screw – Cap Hex. Hd.	2
18	43–5930	Washer – Lock	2
19	58–0500	Cover	1
20	63–4540	Decal – Ground Speed (Model No. 03702)	1
*	63–4530	Decal – Ground Speed (Model No. 03703)	1
21	3256–24	Washer – Flat	4
22	3253–5	Washer – Lock	4
23	323–8	Screw – Cap Hex. Hd.	4
24	63–9920	Decal (Model 03703 Only)	1
25	82–9310	Panel – Display	1
26	82–5890	Panel – Display	1
27	60–0790	Grommet	1
28	3274–68	Screw – Hex. Button Hd.	4
30	3296–42	Nut – Lock	4

*Not Illustrated



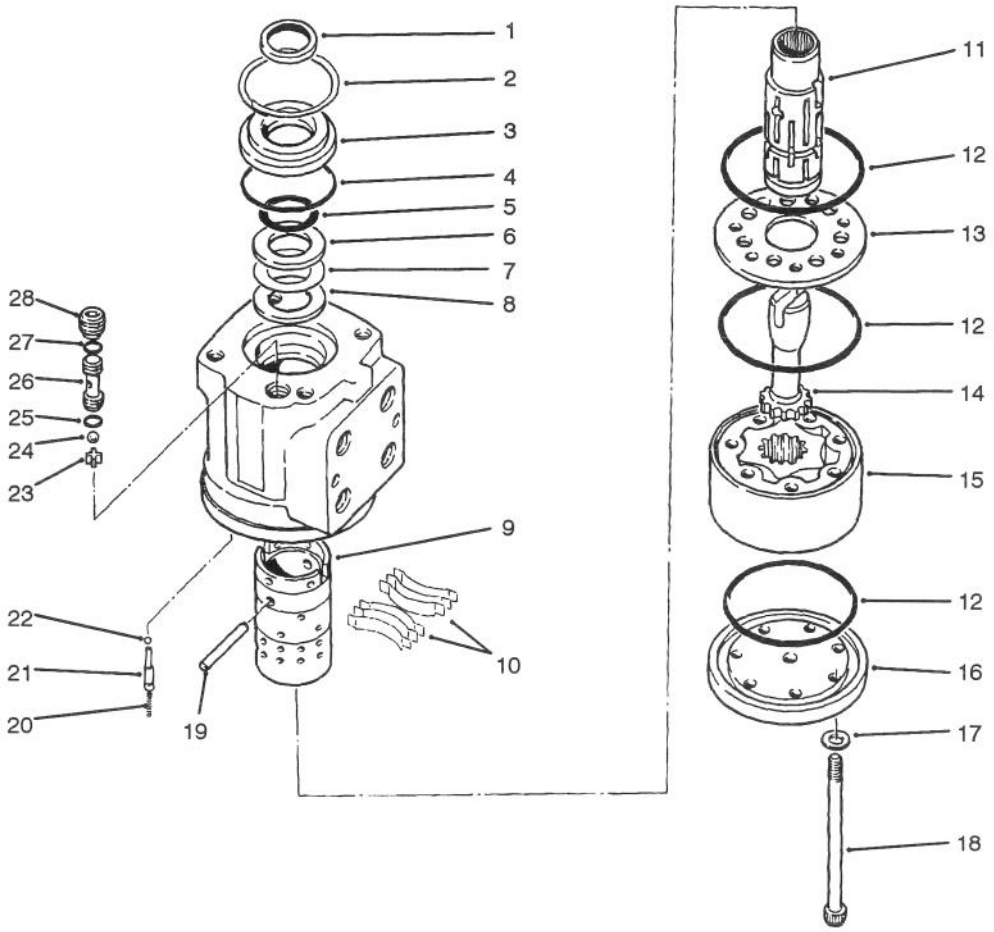
T–0122A

STEERING TOWER ELECTRICAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	71–4210	Cluster – Warning Lights	1
2	71–4200	Cluster – Warning Lights	1
3	43–6280	Button – Push	2
4	43–6420	Bezel – Locking	2
†5		Nut	1
6	80–9330	Alarm – Audio (Incl. Ref. #5)	1
7	3251–4	Screw – Pan Hd.	4
8	37–7600	Rectifier	4
9	3251–1	Screw – Pan Hd.	1

Ref. No.	Part No.	Description	No. Used
10	63–7590	Relay	1
11	43–6290	Switch (Incl. Ref. #3, 4 & 12)	2
12	218–498	Nut – Hex.	2
13	32144–19	Screw – Cap Hex. Hd.	4
14	32105–1	Screw – Cap Hex. Hd.	2
15	69–4780	Clamp – Gauge	2
16	3296–2	Nut – Hex.	2
17	3253–2	Washer – Lock	1
*	219–17	Bulb – Warning Light	8

†Not Serviceable Separately
*Not Illustrated



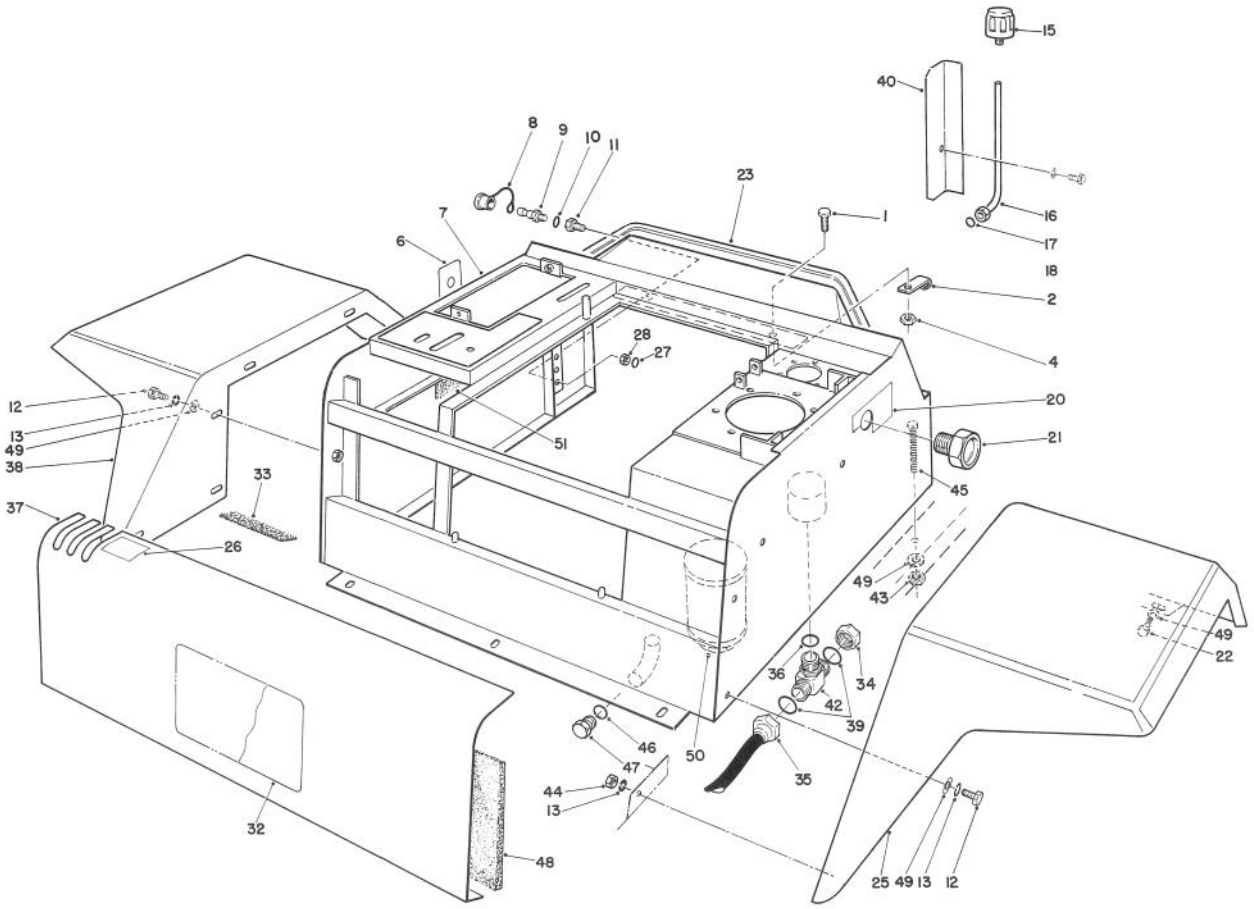
T–1065

POWER STEERING VALVE ASSEMBLY NO. 74–2720

Ref. No.	Part No.	Description	No. Used
†1		Seal 1" I.D.	1
2	52–9230	Ring – Retaining	1
3	52–9240	Bushing – Seal Gland	1
†4		Seal 1.875 I.D.	1
†5		Seal – Quad Ring 1.062 I.D.	1
6	59–6730	Race – Bearing	2
7	59–6740	Bearing – Needle, Thrust	1
†8		Housing	1
†9		Sleeve – Control	1
10	59–6820	Kit – Centering Spring	1
†11		Spool – Control	1
†12		Seal	3
13	74–3100	Plate – Spacer	1
14	59–6860	Drive	1
15	59–6870	Gerotor	1
16	59–6890	Cap – End	1
17	70–8290	Washer – Sealing	7

Ref. No.	Part No.	Description	No. Used
18	59–6900	Screw – Cap	7
19	59–6830	Kit – Pin, Centering	1
20	74–3090	Spring	2
21	74–3130	Plug – Retainer	2
22	74–3140	Ball – Check	2
23	52–9290	Retainer – Ball, Check	1
24	52–9280	Ball – Check	1
†25		Seal	1
26	52–9270	Seat – Check Ball	1
†27		Seal	1
28	52–9260	Screw – Set	1
*	52–9250	Kit – Bearing, Needle (Incl. Ref. #7 & 8)	1
*	49–0170	Kit – Seal (Incl. Ref. #1, 4, 5, 12, 25 & 27)	1

*Not Illustrated
†Not Serviceable Separately

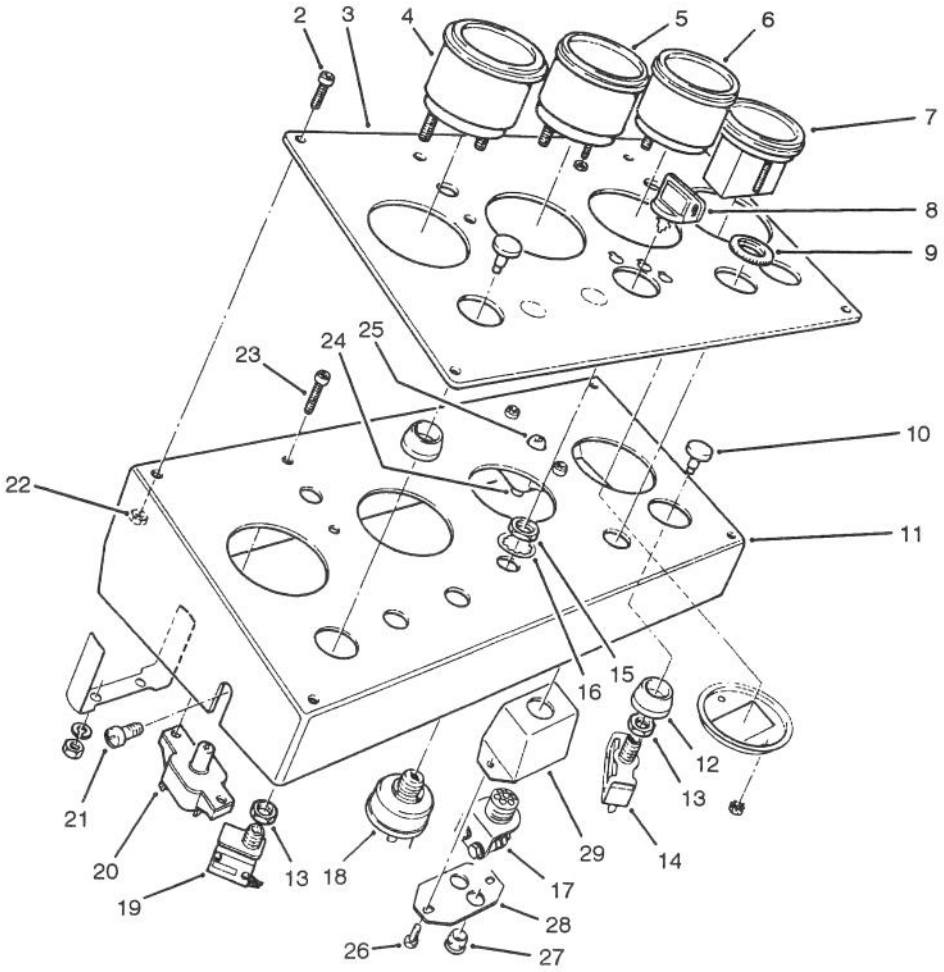


T–0118A

FENDERS & CENTER CONSOLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321–3	Screw – Cap Hex. Hd.	2
2	2412–106	Clamp – R	2
4	3296–42	Nut – Lock	2
6	58–6680	Panel – Test Ports	1
7	92–9273	Console – Center	1
8	353–947	Cap – Dust	5
9	59–7410	Fitting – Diagnostic (Incl. Ref. #10)	5
10	237–42	O–Ring	5
11	58–6580	Fitting (Incl. Ref. #27 & 28)	5
12	48–7620	Bolt	10
13	43–5930	Washer – Lock	12
15	68–6150	Breather	1
16	92–4751	Tube – Breather	1
17	237–65	O–Ring	1
20	59–7290	Decal – Hyd. Fill	1
21	58–5940	Sight Glass	1
22	48–6900	Screw – Self–Tap	4
23	92–5682	Seal	1
25	58–0980	Fender – LH	1
26	62–6290	Decal – Lift Lever	1
27	237–21	O–Ring	5

Ref. No.	Part No.	Description	No. Used
28	3220–11	Nut – Hex.	5
32	58–6540	Decal – Operator Warning	1
33	68–7840	Strip – Foam	1
34	340–117	Cap – Hydraulic	1
35	92–5694	Hose – Hydraulic	1
36	237–79	Seal – O–Ring	1
37	58–1750	Panel – Access	1
38	92–4746	Fender – RH	1
39	237–22	Seal – O–Ring	2
40	60–2020	Shield – Heat	1
42	92–4799	Fitting – Hydraulic Tee (Incl. Ref. #36 & 39)	1
43	3296–42	Nut – Lock	2
44	48–7890	Nut	10
45	321–24	Screw – Cap Hex. Hd.	2
46	237–80	O–Ring	1
47	58–9160	Drain Plug Assembly (Incl. Ref. #46)	1
48	68–7810	Panel – Lining	1
49	3256–22	Washer – Flat	16
50	48–7120	Element – Suction	1
51	92–6081	Foam – Dampener	1



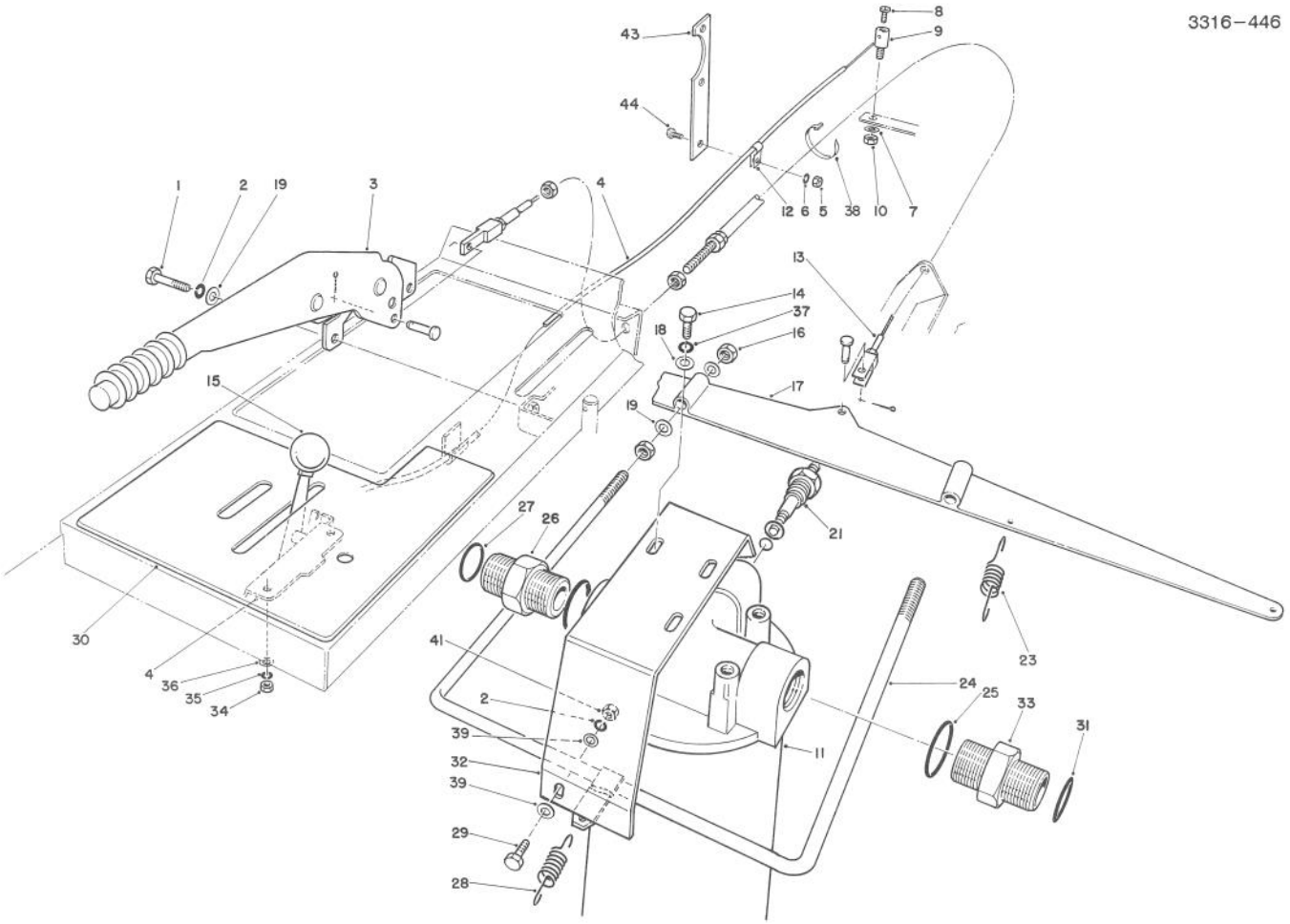
T–1210

INSTRUMENT PANEL

Ref. No.	Part No.	Description	No. Used
2	3274–68	Screw – Mach.	4
3	92–5656	Plate – Face, Instrument	1
4	77–4840	Speedometer	1
5	63–7430	Gauge – Temperature	1
6	66–2940	Gauge – Fuel	1
7	66–2950	Hourmeter	1
8	63–8360	Key – Ignition	2
†9		Nut	1
10	43–6280	Button – Push	2
11	92–5657	Panel – Instrument	1
12	43–6420	Bezel	2
13	218–498	Nut – Hex.	2
14	59–7220	Switch – Glow Plug (Incl. Ref. #10, 12 & 13)	1
15	218–446	Nut – Switch	1
16	218–447	Washer – Lock, Switch	1

Ref. No.	Part No.	Description	No. Used
17	58–2040	Indicator – Glow Plug (Incl. Ref. #9)	1
18	27–2360	Key Switch Assembly (Incl. Ref. #15 & 16)	1
19	72–9760	Switch – Override (Incl. Ref. #10, 12 & 13)	1
20	43–4001	Breaker – Circuit, 10 Amp.	1
21	60–2170	Screw – Pan Hd.	2
22	3296–42	Nut – Lock	4
23	3274–90	Screw	4
24	3250–18	Screw – Mach. Pan Hd.	2
25	43–4000	Breaker – Circuit, 40 Amp.	1
26	32144–73	Screw – Cap Hex. Hd.	2
27	92–5256	Bushing – Universal	2
28	92–5257	Plate	1
29	92–5258	Shield – Glow Plug Indicator	1

†Not Serviceable Separately

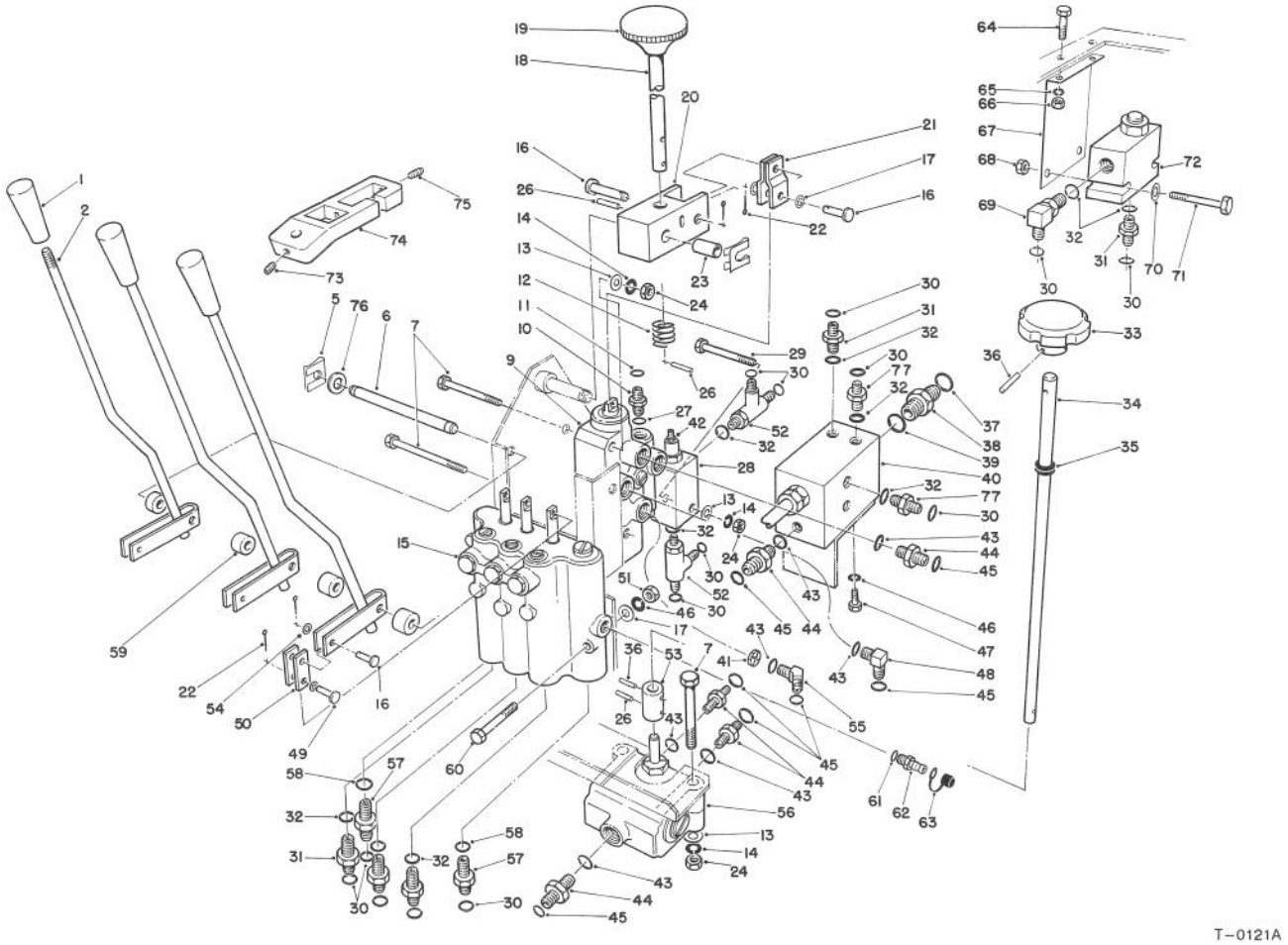


PARKING BRAKE, THROTTLE & OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	48–7700	Bolt	2
2	48–9570	Washer – Lock	2
3	53–6070	Brake – Parking	1
4	59–7240	Throttle Assembly (Incl. Ref. #15)	1
5	3217–5	Nut – Hex.	1
6	3253–3	Washer – Lock	1
7	3256–22	Washer – Flat	1
8	25–8640	Screw	1
9	25–9090	Swivel	1
10	3296–13	Nut – Hex.	1
†11	86–6110	Element Assembly	1
12	2412–31	Clip	1
13	58–7030	Cable – Brake	1
14	323–4	Bolt	3
15	233–25	Knob	1
16	48–7930	Nut – Hex.	4
17	58–2170	Bar	1
18	3256–3	Washer – Flat	3
19	48–8030	Washer	6
21	86–6100	Switch – Filter Warning	1
22	86–6090	Hydraulic Oil Filter Assembly (Incl. Ref. #11 & 21)	1

Ref. No.	Part No.	Description	No. Used
23	60–2140	Spring	2
24	58–2270	Rod Assembly	1
25	237–123	O–Ring	2
26	340–80	Adapter (Incl. Ref. #25 & 27)	1
27	340–65	O–Ring	1
28	48–6940	Spring	1
29	322–6	Bolt	2
30	58–6560	Panel – Side, Control	1
31	340–64	O–Ring	1
32	84–6470	Bracket – Filter	1
33	340–10	Adapter (Incl. Ref. #25 & 31)	1
34	48–7880	Nut – Hex.	2
35	48–8000	Washer – Lock	2
36	52–6430	Washer	2
37	3253–5	Washer – Lock	3
38	3334–945	Cable – Tie	1
39	3256–23	Washer – Flat	4
41	3217–6	Nut – Hex.	2
43	92–4754	Bracket – Cable	1
44	321–4	Screw – Cap Hex. Hd.	1

†Do Not Substitute



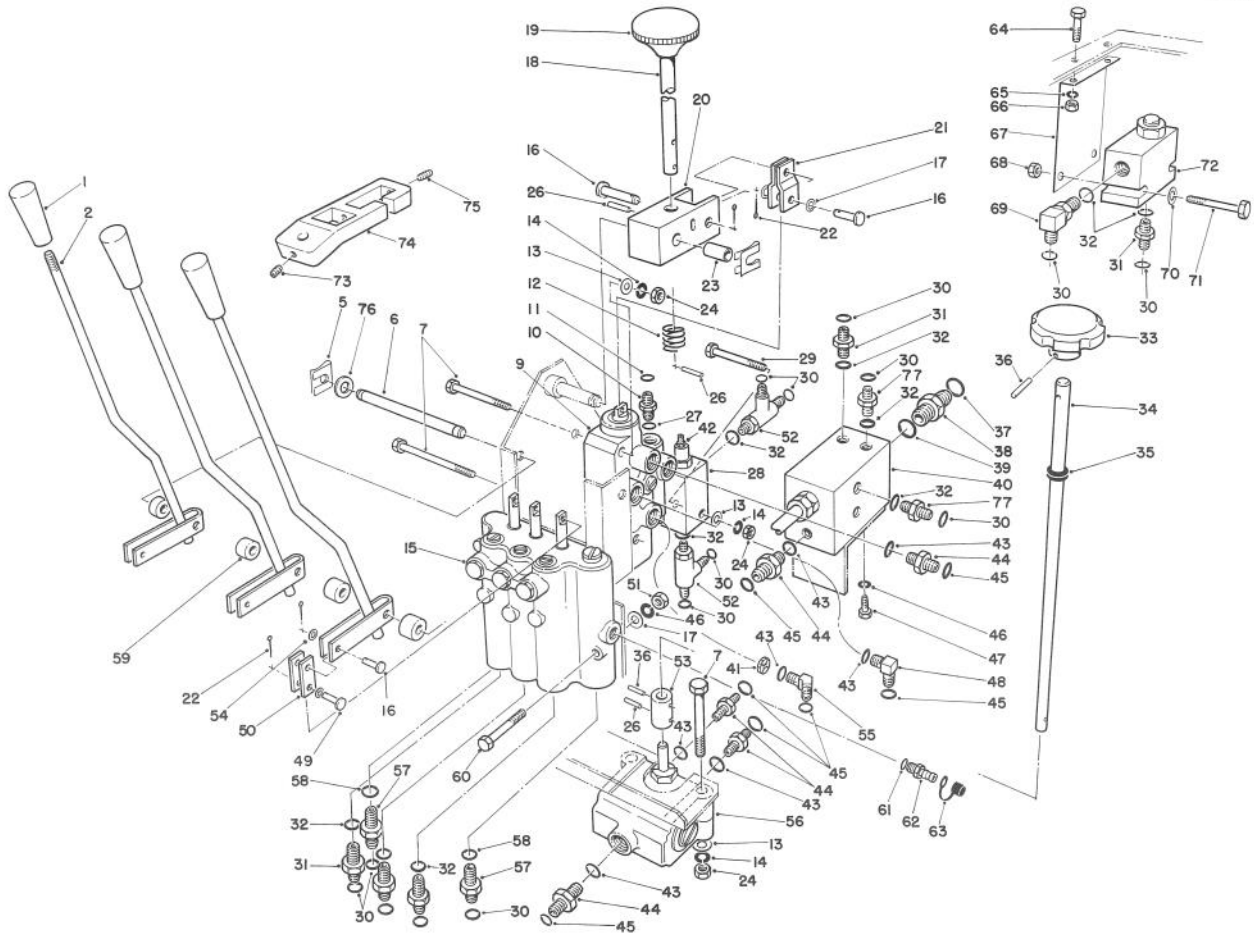
T–0121A

VALVE CONTROLS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233–39	Knob	3
2	74–3190	Lever – Lift	3
5	60–5690	Clip – Safety	3
6	58–1520	Pin – Pivot	1
7	322–12	Bolt	4
9	63–4800	Valve – Control	1
10	340–92	Fitting (Incl. Ref. #11 & 27)	1
11	237–21	O–Ring	1
12	58–7190	Spring	1
13	3256–23	Washer – Flat	5
14	3253–4	Washer – Lock	5
15	84–6200	Valve – Lift Control	1
16	58–3830	Pin – Clevis	5
17	48–8010	Washer	4
18	58–4450	Lever	1
19	233–10	Knob	1
20	58–4460	Clevis	1
21	58–1570	Link	2
22	58–1480	Pin – Cotter	8
23	60–0550	Bushing	1
24	3217–6	Nut – Hex.	5
26	32121–118	Pin – Roll	2
27	237–78	O–Ring	1
28	58–5520	Valve (Incl. Ref. #42)	1

Ref. No.	Part No.	Description	No. Used
29	322–9	Bolt	1
30	237–22	O–Ring	15
31	340–2	Fitting (Incl. Ref. #30 & 32)	5
32	237–42	O–Ring	11
33	59–7130	Knob	1
34	58–1510	Shaft	1
35	59–7910	Grommet	1
36	60–2110	Pin – Spirol	2
37	340–64	O–Ring	1
38	340–80	Fitting (Incl. Ref. #37 & 39)	1
39	237–123	O–Ring	1
40	58–2150	Manifold	1
41	66–5410	Orifice	1
†42		Cartridge – Pressure Relief	1
43	237–80	O–Ring	9
44	340–7	Fitting (Incl. Ref. #43 & 45)	6
45	237–65	O–Ring	9
46	43–5930	Washer – Lock	4
47	48–7620	Bolt	2
48	340–17	Fitting (Incl. Ref. #43 & 45)	2
49	58–3810	Pin – Clevis	3
50	58–1560	Link	6

†Not Serviceable Separately.



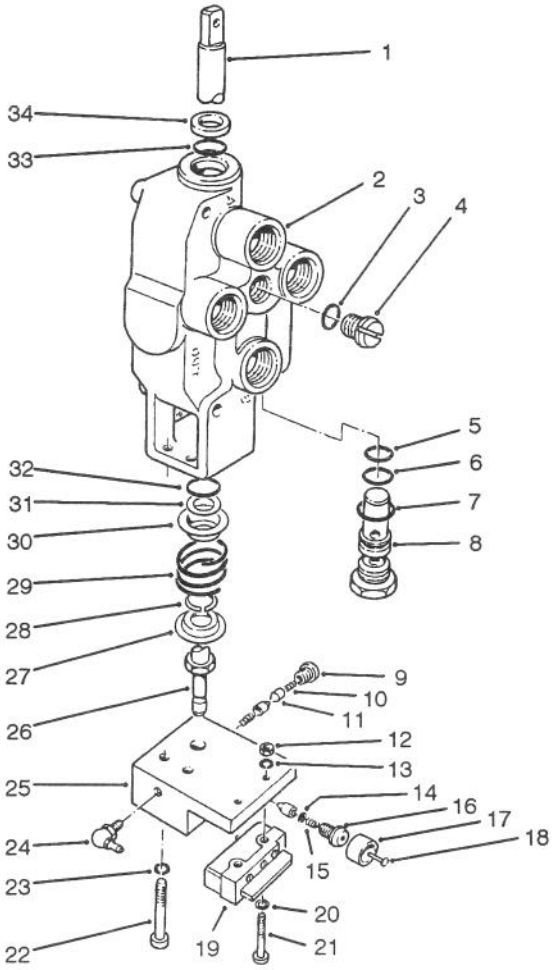
T–0121A

VALVE CONTROLS ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
51	48–7890	Nut – Hex.	1
52	340–86	Fitting – Hydraulic Tee (Incl. Ref. #30 & 32)	2
53	58–1530	Coupling	1
54	52–6430	Washer	6
55	66–5860	Adapter – 45° (Incl. Ref. #43 & 45)	1
56	58–5490	Valve – Flow Control (Model No. 03702)	1
*	58–5491	Valve – Flow Control (Model No. 03703)	1
57	340–3	Fitting (Incl. Ref. #30 & 58)	2
58	237–79	O–Ring	2
59	58–1540	Spacer	4
60	60–6650	Bolt	2
61	237–42	O–Ring	1
62	59–7410	Fitting – Diagnostic (Incl. Ref. #61)	1
63	353–947	Cap – Dust	1
64	321–3	Screw – Cap Hex Hd.	2
65	3253–3	Washer – Lock	2

Ref. No.	Part No.	Description	No. Used
66	3217–5	Nut – Hex.	2
67	63–4690	Bracket – Valve	1
68	3296–8	Nut – Lock	2
69	340–77	Elbow – 90° (Incl. Ref. #30 & 32)	1
70	3256–22	Washer – Flat	2
71	321–11	Screw– Cap Hex. Hd.	2
72	63–4700	Valve – Flow Regulator (Model No. 03702)	1
*	63–4701	Valve – Flow Regulator (Model No. 03703)	1
73	3245–44	Screw – Set	1
74	74–3170	Linkage – Cross Cut Control	1
75	3245–45	Screw – Set	2
76	3256–24	Washer – Flat	2
77	92–9258	Fitting – Check Valve (Incl. Ref. #30 & 32)	3
*	66–5590	Kit – Seal (For Item #72)	1
*	66–5580	Kit – Seal Repair (For Item #28)	1

*Not Illustrated



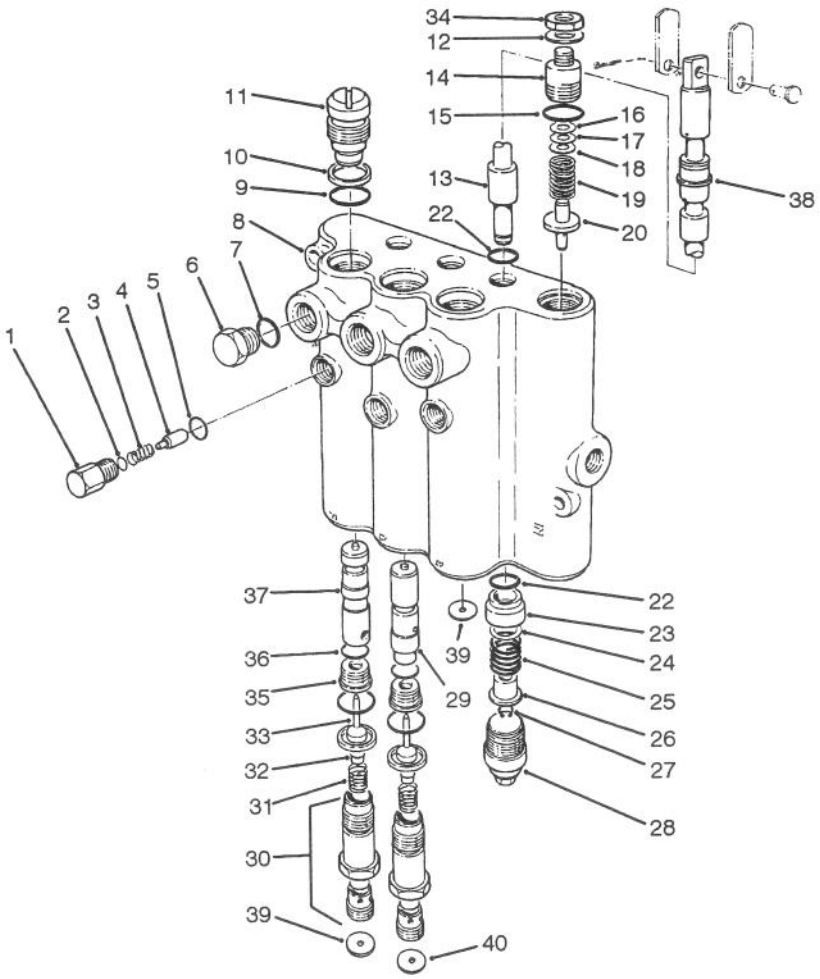
T–0123

REEL CONTROL VALVE ASSEMBLY NO. 63–4800

Ref. No.	Part No.	Description	No. Used
†1		Spool	1
†2		Body	1
3	59–8140	O–Ring	1
4	59–8160	Plug (Incl. Ref. #3)	1
5	63–4440	O–Ring	1
6	59–7860	Washer – Backup	1
7	42–1220	O–Ring	1
8	63–4780	Valve – Relief (Incl. Ref. #5–7)	1
9	59–8060	Plug – Detent	1
10	59–8050	Spring – Detent	2
11	59–8150	Pawl – Detent	3
12	66–5440	Nut – Lock	2
13	3253–19	Washer – Lock	2
14	63–4860	Circlip	1
15	63–4510	Spring	1
16	59–8230	Plug	1
17	66–5420	Sleeve	1
18	63–4850	Plunger	1

Ref. No.	Part No.	Description	No. Used
19	60–4550	Switch – Micro	1
20	3256–13	Washer – Flat	2
21	66–5430	Screw – Machine	2
22	63–4830	Screw – Cap Hd.	2
23	59–8070	Washer – Lock	2
24	302–66	Fitting – Grease	1
25	63–4820	Detent – Block	1
26	63–4840	Spool – Screw	1
27	59–8100	Washer – Shallow	1
28	59–8170	Washer – Wire	1
29	59–8040	Spring	1
30	59–8080	Washer – Deep	1
31	59–8180	Washer	1
32	59–7780	O–Ring	1
33	59–81 20	O–Ring	1
34	59–8190	Wiper	1
*	59–8250	Kit – Seal (Incl. Ref. #3, 4–7, 32 & 34)	1

*Not Illustrated
†Not Serviceable Separately



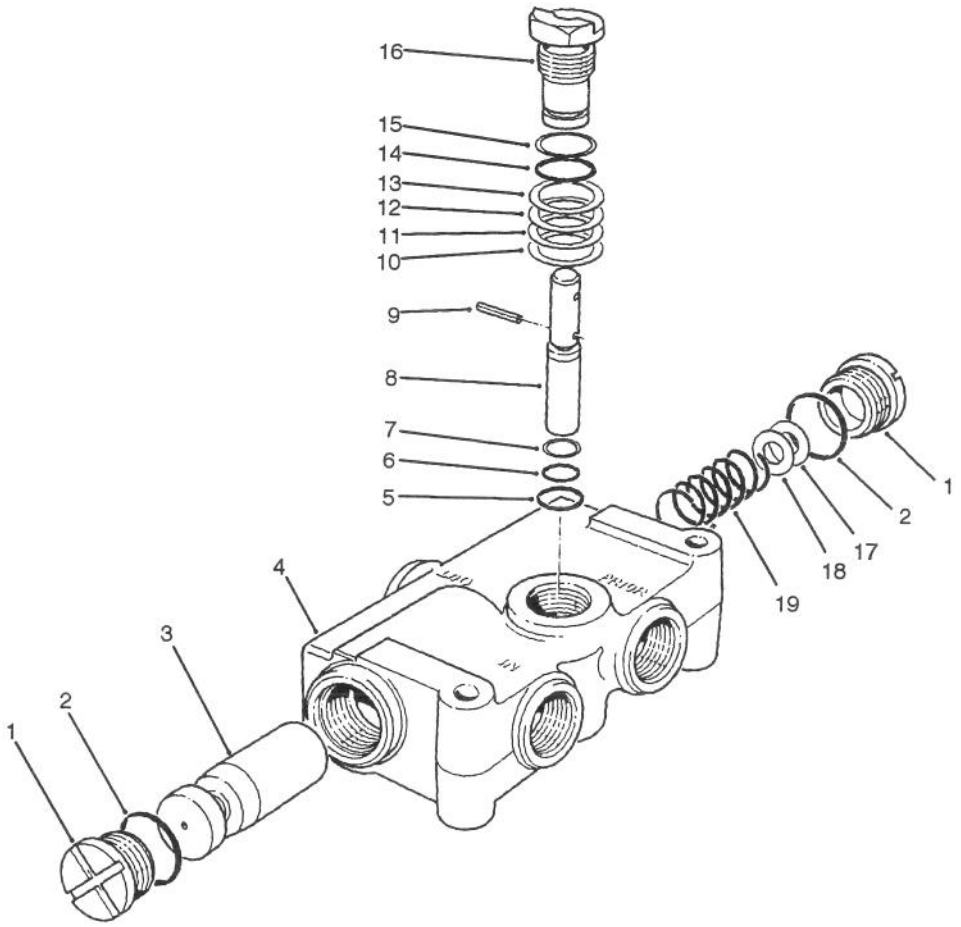
T–0124A

CONTROL VALVE ASSEMBLY NO. 84–6200

Ref. No.	Part No.	Description	No. Used
1	58–6780	Plug Assembly (Incl. Ref. #5)	3
2	60–6450	Disc	A/R
3	58–6760	Spring	3
4	58–6770	Detent Plunger	3
5	58–6790	O–Ring	3
6	58–6710	Plug Assembly (Incl. Ref. #7)	3
7	58–6720	O–Ring	3
†8		Body	1
9	60–5720	O–Ring	6
10	58–6370	Washer – Backup	6
11	58–6350	Plug Assembly (Incl. Ref. #9 & 10)	3
†12		Washer	1
†13		Spool	3
14	69–1830	Plug Assembly (Incl. Ref. #12, 15 & 34)	1
15	58–6750	O–Ring	1
16	58–6470	Washer	A/R
17	58–6480	Washer	A/R
18	58–6490	Washer	A/R
19	84–6450	Spring	1
20	58–6440	Poppet	1

Ref. No.	Part No.	Description	No. Used
22	58–6450	O–Ring	6
23	58–6400	Bushing	3
24	58–6700	Washer	3
25	58–6730	Spring	3
26	58–6310	Spacer	3
27	58–6460	Ring – Retaining	3
28	58–6420	Assembly – Cap	3
29	84–6430	Plunger	1
30	58–6380	Assembly – Plug	3
31	58–6410	Spring	3
32	60–6440	Eyelet	3
33	58–6290	Poppet Assembly	3
†34		Nut – Lock	1
35	58–6330	Seat Assembly (Incl. Ref. #36)	3
36	58–6340	O–Ring	3
37	84–6420	Plunger	2
38	58–6320	Wiper – Seal	3
39	84–6400	Orifice – .047 Dia.	2
40	84–6401	Orifice – .052 Dia.	1
*	60–3780	Kit – Seal (Incl. Ref. #5, 7, 9, 10, 15, 22, 27, 33, 36 & 38)	1

*Not Illustrated
†Not Serviceable Separately

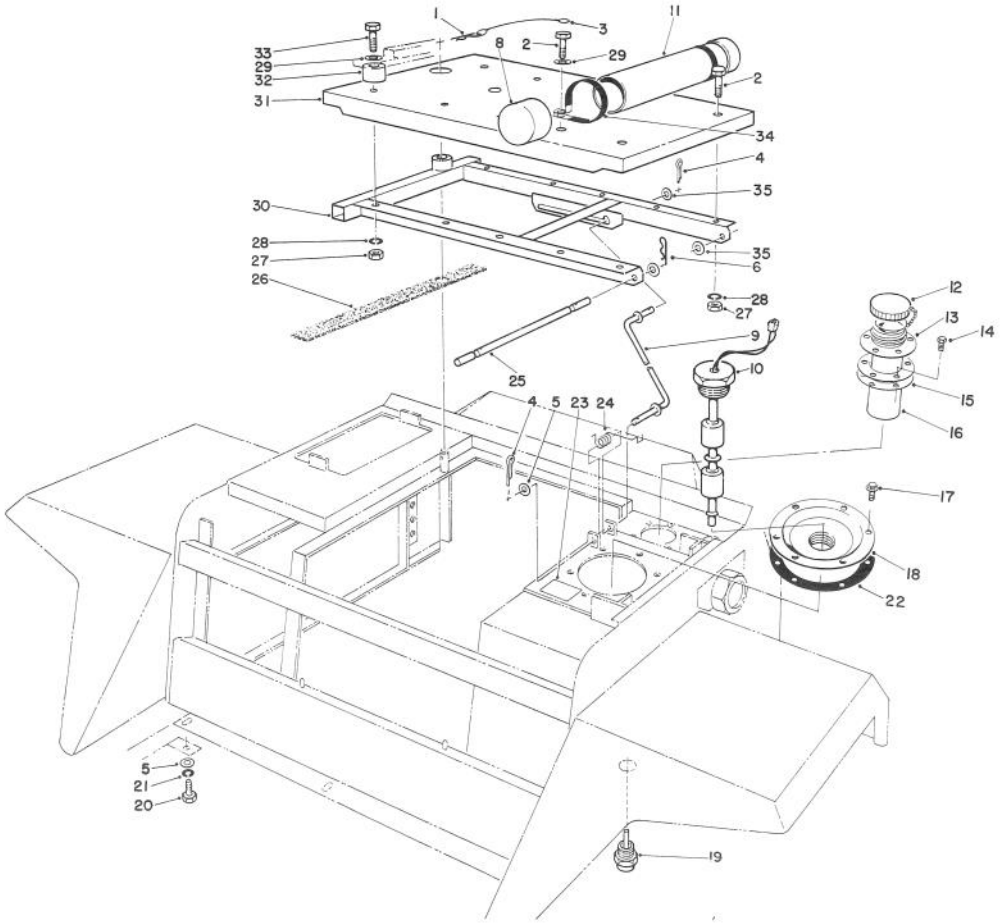


T–0125

PRIORITY FLOW CONTROL VALVE 58–5490 (MODEL NO. 03702) & 58–5491 (MODEL NO. 03703)

Ref. No.	Part No.	Description	No. Used
1	59–7600	Plug Assembly (Incl. Ref. #2)	2
2	59–7610	O–Ring	2
†3		Spool	1
†4		Body	1
5	59–7640	O–Ring	1
6	59–7650	O–Ring	1
7	60–5950	Washer – Backup	1
8	59–7670	Metering Stem	1
9	59–7680	Pin – Groove	1
10	59–7690	Shim	A/R
11	59–7700	Shim	A/R
12	59–7710	Shim	A/R
13	59–7720	Shim	A/R
14	59–7780	O–Ring	1
15	58–6370	Washer – Backup	1
16	59–7740	Plug – Metering (Model No. 03702)	1
16	74–3150	Plug – Metering (Model No. 03703)	1
17	59–7750	Shim	A/R
18	59–7760	Shim	A/R
19	59–7770	Spring	1
*	63–4520	Kit – Seal (Incl. Ref. #2, 5–7,14 & 15)	1

*Not Illustrated
†Not Serviceable Separately.



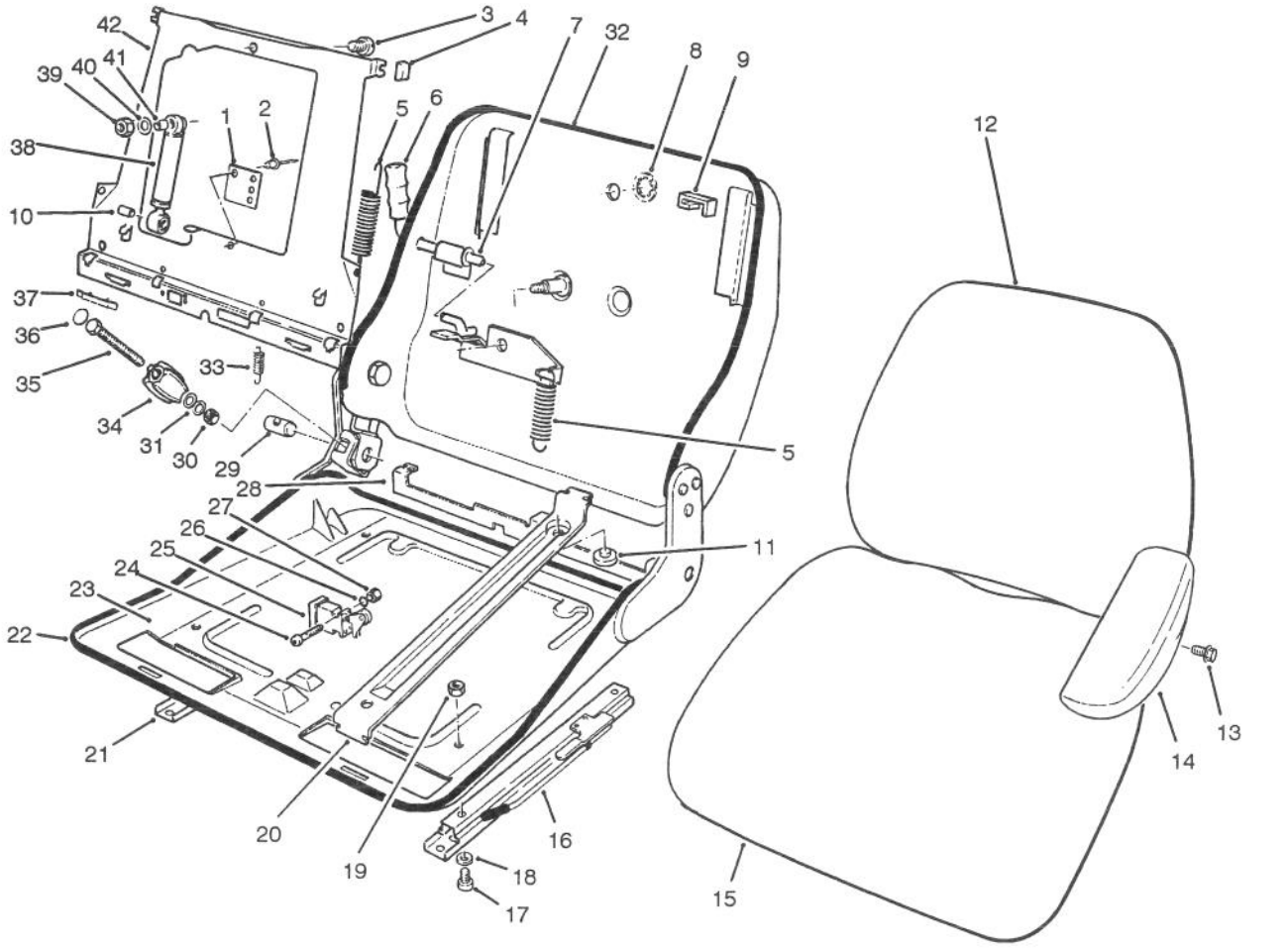
T–1787

SEAT PLATFORM & FILLER CAP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290–355	Clip – Retaining	1
2	66–3160	Screw – Cap Hex. Hd.	6
3	60–2160	Wire – Retaining (Incl. Ref. #1)	1
4	3272–11	Pin – Cotter	2
5	48–9580	Washer	2
6	3290–250	Pin – Hair, Cotter	2
7	3253–15	Washer – Lock	6
8	65–5890	Cap – Tube	2
9	58–1650	Rod – Seat	1
10	82–9340	Switch – Oil Level	1
11	65–5870	Tube – Manual	1
12	71–4040	Assembly – Filler Cap (Incl. Ref. #13–16)	1
13	353–961	Bayonet Flange	1
14	32140–40	Screw – Self Tapping	6
15	353–963	Gasket	2
16	62–2610	Strainer	1
17	32144–107	Screw – Hex. Flange Hd.	6

Ref. No.	Part No.	Description	No. Used
18	92–9270	Cover W.A.	1
19	60–5580	Switch – Temperature	1
20	48–9470	Screw – Cap Hex. Hd.	2
21	48–9590	Washer – Lock	2
22	58–6820	Gasket	1
23	58–6530	Decal – Hydraulic Oil	1
24	60–0050	Spring	1
25	58–1640	Pin – Seat Pivot	1
26	68–7850	Strip – Foam	1
27	48–7930	Nut – Hex.	10
28	48–9570	Washer – Lock	10
29	48–8030	Washer	6
30	58–1580	Seat Frame Assembly	1
31	58–9830	Plate – Seat	1
32	26–4840	Spacer	4
33	48–7730	Screw – Cap Hex. Hd.	4
34	2412–102	R–Clamp	2
35	3256–24	Washer – Flat	4

3316–446



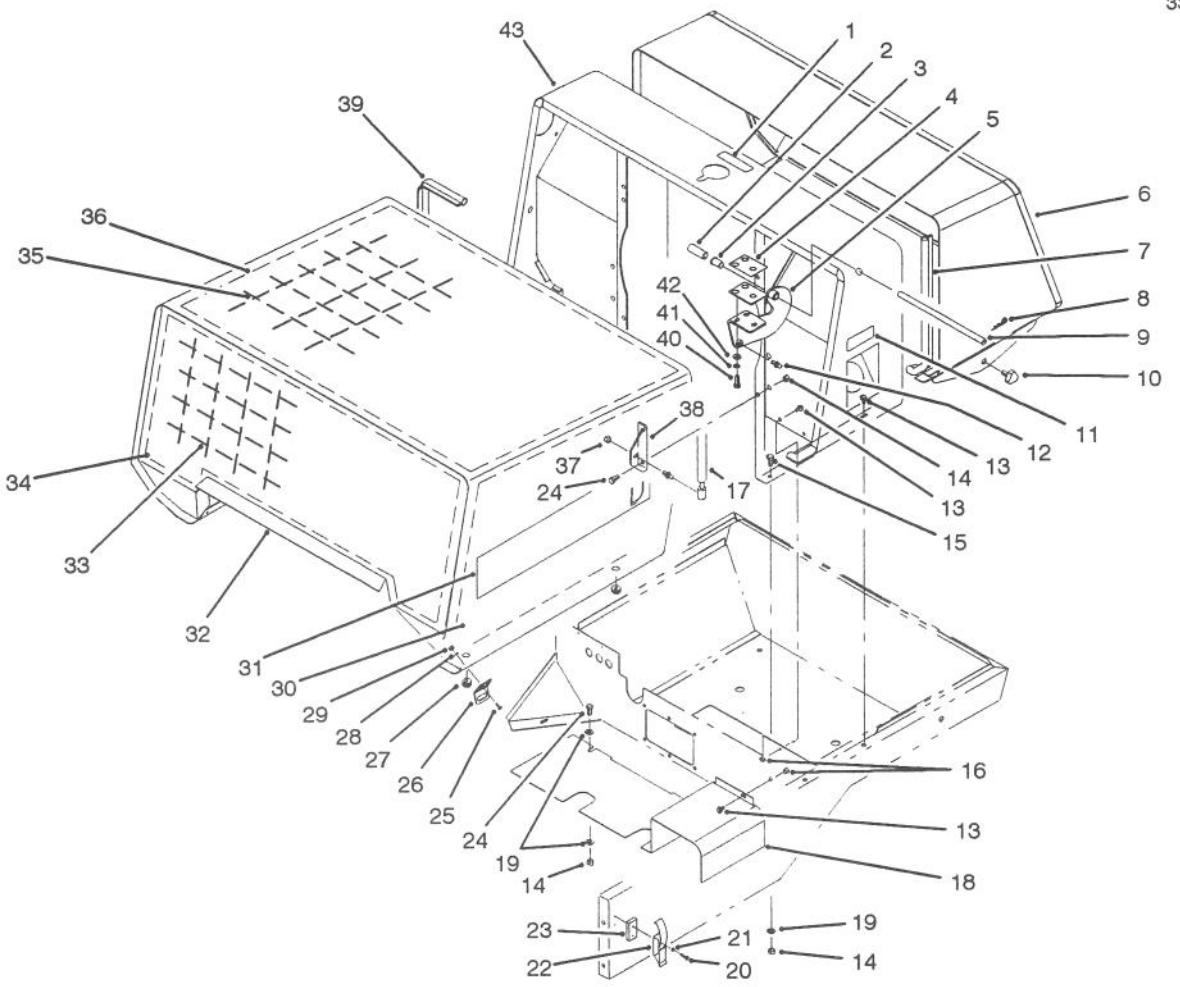
T–1208

SUSPENSION SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–2850	Plate	1
2	82–9680	Rivet	2
3	82–9700	Screw	1
4	82–2730	Kit – Wear Parts (Incl. Ref. #8–11)	1
5	82–2740	Spring Set – Tension	1
6	56–4150	Grip – Handle	1
7	82–2870	Lever – Adjust	1
†8		Cover	1
†9		Bumper	2
†10		Bushing	1
†11		Pad	2
12	82–2800	Cushion – Backrest	1
13	56–3850	Screw – Mach. Hex. Hd.	4
14	55–4330	Arm Rest – L.H.	1
*	55–4331	Arm Rest – R.H.	1
15	82–2840	Cushion – Bottom	1
16	92–2951	Rail – Adjust. L.H.	1
17	82–9690	Screw	4
18	82–9660	Washer	4
19	82–9650	Nut	4
20	82–2820	Swing Arm Assembly (Incl. Ref. #28 & 41)	1
21	82–2790	Rail – Adjust. R.H.	1
22	82–9710	Trim – Bottom	1
23	82–2720	Frame – Seat	1
24	82–9640	Screw	2

Ref. No.	Part No.	Description	No. Used
25	82–2810	Switch Assembly (Incl. Ref. #24, & 26–27)	1
26	82–9620	Washer – Spring	2
27	82–9630	Nut	2
†28		Pivot – Back Plate	1
29	56–4170	Clevis – Threaded	1
30	56–3890	Nut	1
31	56–3880	Washer	2
32	82–9720	Trim – Backrest	1
33	82–2860	Spring Set – Tension	1
34	82–2750	Spindle Adj. Assembly (Incl. Ref. #29–31 & 34–36)	1
35	82–2710	Screw	1
†36		Cover	1
37	82–2830	Clamp	2
38	82–2770	Shock Absorber Assembly	1
39	82–9670	Nut	1
40	56–3940	Washer	1
41	82–2760	Kit – Bushing (Incl. Ref. #39 & 40)	1
†42		Plate – Backrest	1
*	82–2880	Weight Adj. Assembly (Incl. Ref. #5–7 & 41)	1
*	77–4860	Assembly – Seat (Incl. Ref. #1–12 & 15–42)	1

*Not Illustrated
†Not Serviceable Separately



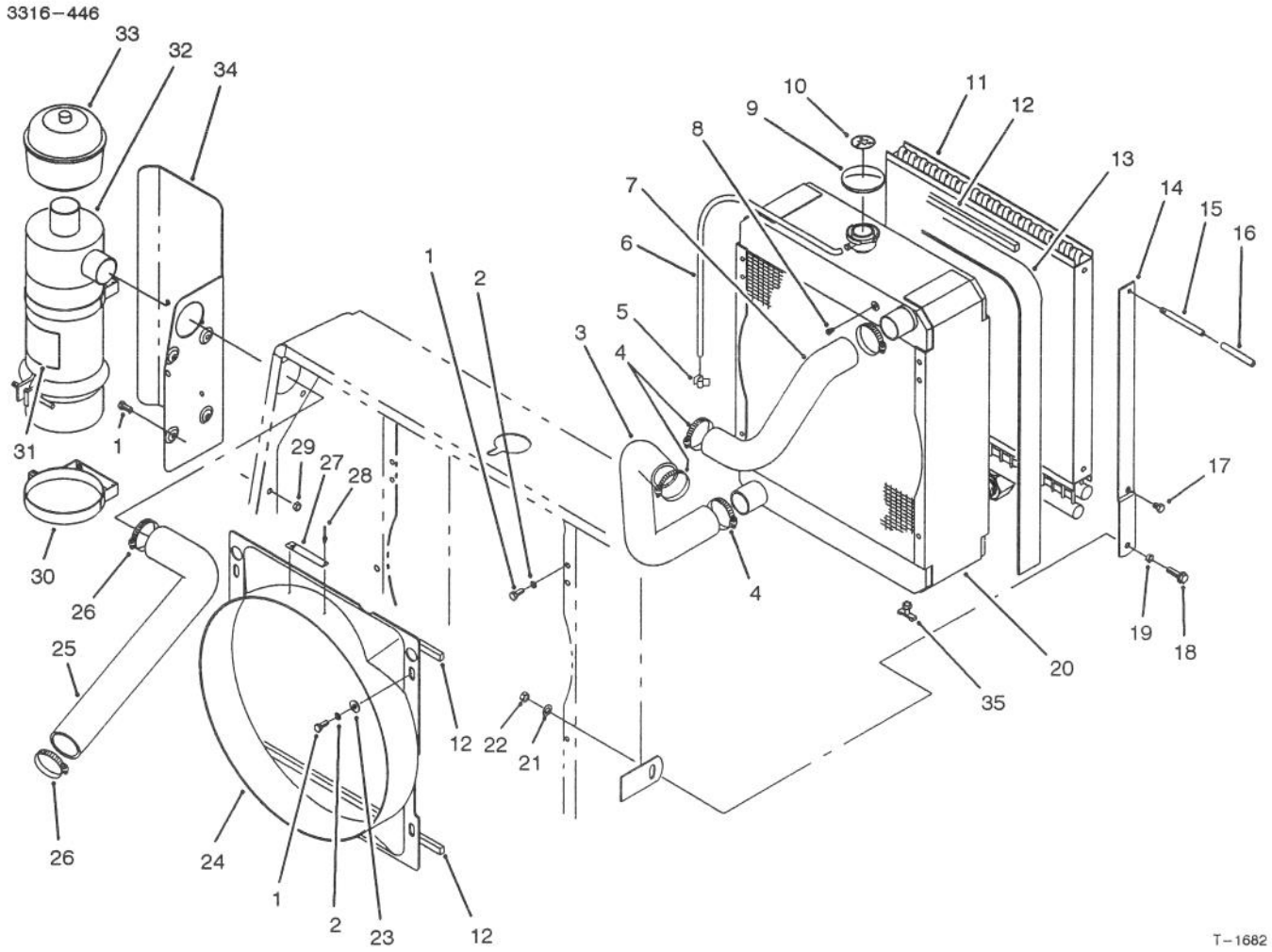
T–1683

FRONT & REAR CANOPY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58–6940	Decal – Coolant Only	1
2	92–5655	Spacer	2
3	58–3930	Bushing – Flange	2
4	58–5330	Spacer – Hinge	A/R
*	58–5350	Spacer – Hinge	A/R
5	58–1970	Hinge – LH	1
*	58–1980	Hinge – RH	1
6	92–4793	Screen – Rear	1
7	92–5253	Strip – Sealing	1
8	3290–355	Pin – Hair Cotter	2
9	58–3910	Pin – Hinge	2
10	77–3620	Knob – Retainer	2
11	49–2280	Decal – Diesel Fuel	1
12	86–6130	Stud – Ball	4
13	3234–13	Screw – Hex. Flange Hd.	9
14	3296–29	Nut – Lock	9
15	322–5	Screw – Cap Hex. Hd.	4
16	3296–56	Nut – Lock	5
17	88–6760	Spring – Gas	2
18	92–5270	Baffle – Lower Body	1
19	3256–23	Washer – Flat	6
20	3250–25	Screw – Pan Hd.	4
21	3253–2	Washer – Lock	4

Ref. No.	Part No.	Description	No. Used
22	58–5380	Latch – Draw	2
23	58–7070	Spacer	2
24	322–3	Screw – Cap Hex. Hd.	5
25	3250–31	Screw – Pan Hd.	8
26	68–6040	Bracket – Latch	2
27	237–141	Grommet	4
28	3256–21	Washer – Flat	8
29	3296–27	Nut – Hex.	8
30	92–5681	Foam – Side LH	1
*	92–5680	Foam – Side RH	1
31	86–6470	Decal – RM4500D	2
32	92–4712	Canopy – Front	1
33	92–5673	Support – Foam Front	1
34	92–5679	Foam – Front	1
35	92–5672	Support – Foam Top/Side	1
36	92–5678	Foam – Top	1
37	48–9510	Nut – Lock	2
38	92–5652	Bracket – Gas Spring	2
39	92–6060	Strip – Sealing	1
40	48–9460	Screw – Cap Hex. Hd.	6
41	48–9570	Washer – Lock	6
42	48–8030	Washer – Flat	6
43	92–4792	Canopy – Center	1

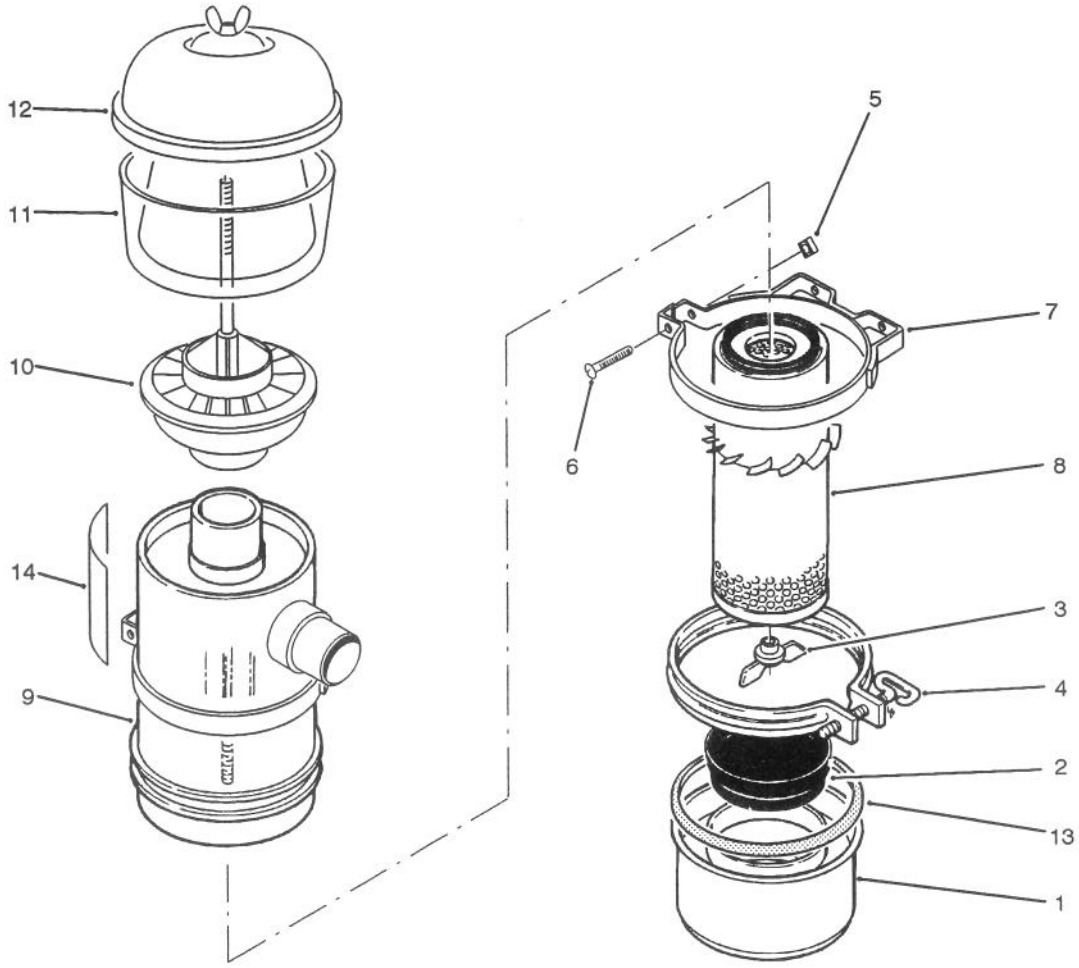
*Not Illustrated



RADIATOR, OIL COOLER & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–3	Screw – Cap Hex. Hd.	14
2	3253–4	Washer – Lock	6
3	92–4795	Hose – Radiator Lower	1
4	2412–92	Clamp – Hose	4
5	60–0930	Clip	2
6	60–3680	Hose – Overflow	1
7	92–4796	Hose – Radiator Upper	1
8	281–2	Plug Pipe	1
9	58–5420	Cap – Radiator	1
10	59–8440	Decal – Warning	1
11	58–5540	Cooler – Hydraulic Oil	1
12	68–7575	Strip – Sealing	3
13	92–6062	Foam – Radiator Seal	1
14	92–4753	Strap – Oil Cooler	2
15	75–7790	Handle	2
16	47–2550	Grip – Handle	2
17	48–7680	Screw – Cap Hex. Hd.	2
18	3234–11	Screw – Hex. Flange Hd.	2

Ref. No.	Part No.	Description	No. Used
19	76–2290	Spacer	2
20	92–4729	Radiator Assembly (Incl. Ref. #35)	1
21	3256–24	Washer – Flat	2
22	3296–39	Nut – Lock	2
23	3256–71	Washer – Flat	4
24	92–4798	Shroud – Fan	1
25	92–4752	Hose – Intake	1
26	2412–42	Clamp – Hose	2
27	76–8750	Plate – Caution	1
28	3290–271	Rivet – Pop	2
29	3296–29	Nut – Lock	8
30	27–7170	Band – Mounting	2
31	27–7160	Decal – Instruction	1
32	27–7100	Air Cleaner Assembly	1
33	48–7430	Pre–Cleaner Assembly	1
34	92–6065	Shield	1
35	304–46	Valve – Drain	1



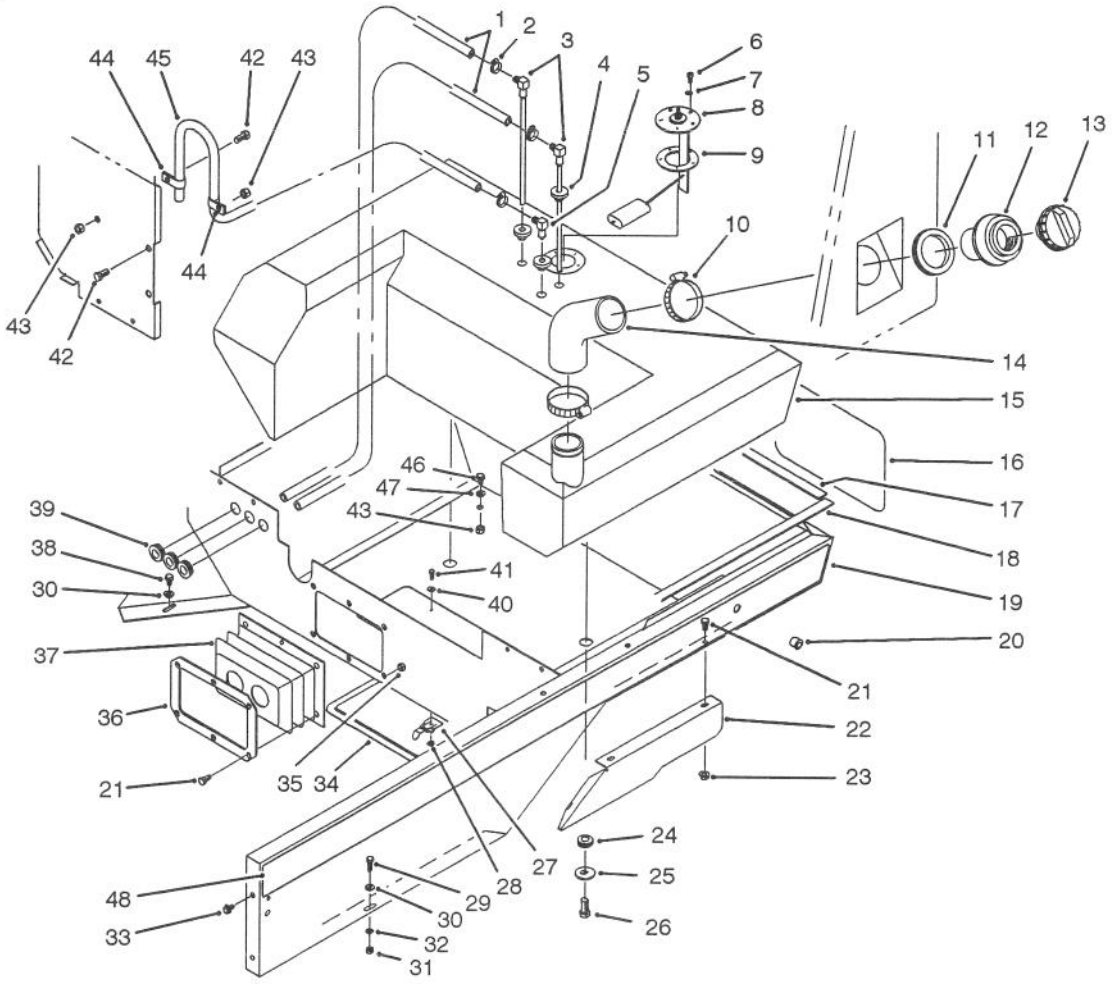
T–1684

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27–7150	Cup Assembly	1
2	27–7140	Baffle	1
3	27–7120	Nut	1
4	27–7130	Clamp Assembly	1
5	32107–11	Nut – Square	2
6	3258–19	Screw – Machine	2
7	27–7170	Band Assembly (Incl. Ref. #5 & 6)	2
8	27–7110	Element Assembly	1
†9		Housing	1
10	62–6300	Sleeve Assembly	1

Ref. No.	Part No.	Description	No. Used
11	33–1270	Bowl	1
12	33–1260	Cover Assembly	1
13	80–3330	Gasket	1
14	27–7160	Decal – Instructions	1
*	48–7430	Pre–Cleaner Assembly (Incl. Ref. #10–12)	1
*	27–7100	Air Filter Assembly (Incl. Ref. #1–4, 8–9 & 13–14)	1
*	27–7220	Soap – Air Cleaner	1

*Not Illustrated
†Not Serviceable Separately



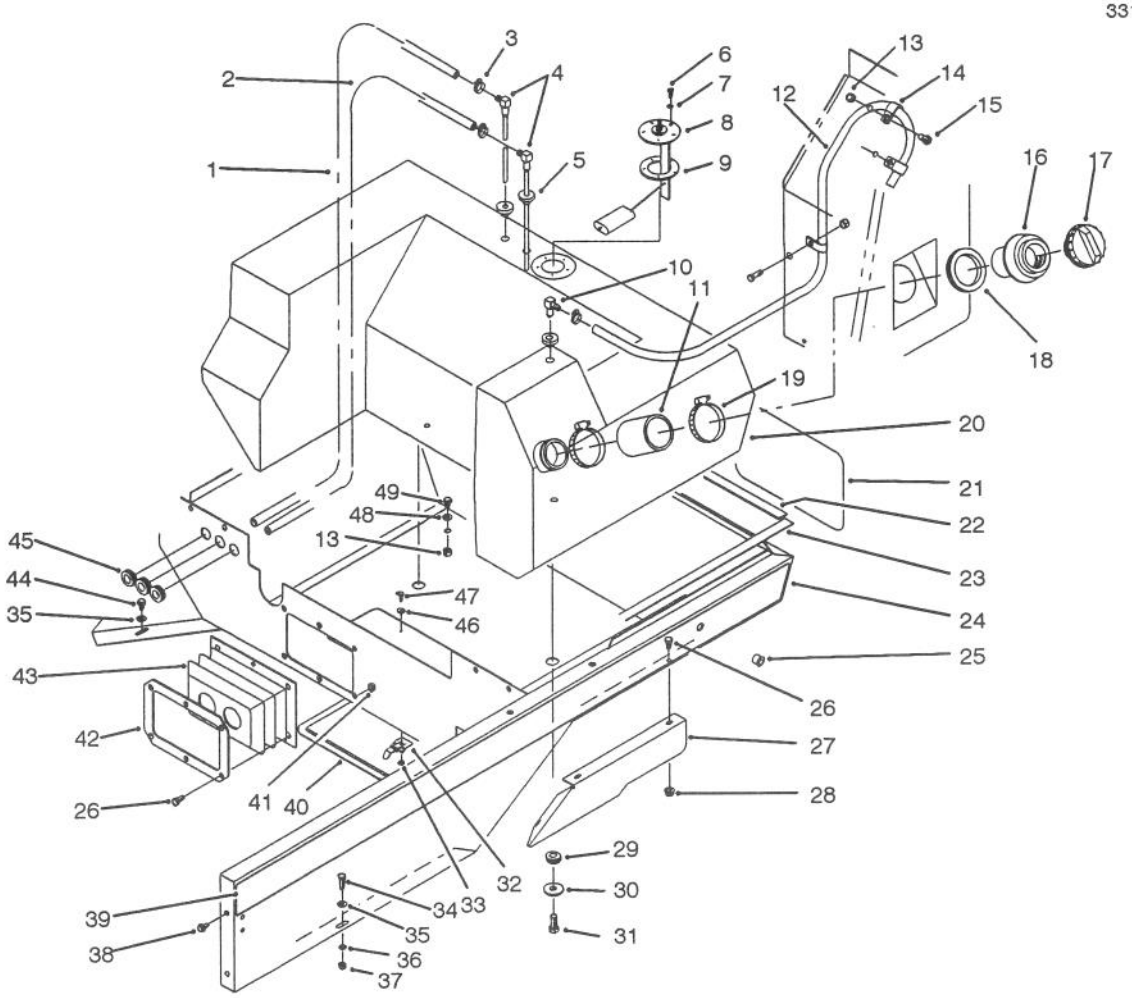
T–1681A

FUEL TANK & LOWER BODY ASSEMBLY
Used on Serial No. 40001 thru 40499

Ref. No.	Part No.	Description	No. Used
1	92–4766	Hose – Fuel	2
2	2412–108	Clamp – Hose	5
3	92–6061	Standpipe	2
4	46–6560	Grommet	3
5	46–6550	Elbow	1
6	3250–31	Screw – Pan Hd.	5
7	3253–2	Washer – Lock	5
8	63–7640	Sender – Fuel	1
9	62–7650	Gasket – Fuel Sender	1
10	2412–42	Clamp – Hose	2
11	92–5675	Grommet	1
12	92–5674	Neck – Fuel Fill	1
13	87–7540	Cap – Fuel	1
14	92–4797	Hose – Fuel Fill	1
15	92–4790	Tank – Fuel	1
16	66–6140	Decal – TORO	1
17	92–5671	Strip – Sealing	1
18	92–5670	Strip – Sealing	2
19	92–4703	Lower Body Assembly (Incl. Ref. #20)	1
20	32148–9	Nut – Insert	2
21	321–2	Screw – Cap Hex. Hd.	9
22	92–6069	Shield – Exhaust	1
23	32128–33	Nut – Flange Lock	3
24	240–11	Grommet	2

Ref. No.	Part No.	Description	No. Used
25	63–8410	Washer – Flat	2
26	323–5	Screw – Cap Hex. Hd.	2
27	52–9590	Latch	4
28	3296–12	Nut – Lock	4
29	48–7630	Screw	1
30	3256–16	Washer – Flat	5
31	48–7890	Nut – Hex.	1
32	43–5930	Washer – Lock	1
33	3234–4	Screw – Hex. Flange Hd.	4
34	92–5654	Panel – Clean–Out	1
35	3296–56	Nut – Lock	6
36	92–5653	Ring – Clamp	1
37	92–5269	Bellows	1
38	48–6900	Screw	4
39	240–9	Grommet	3
40	3256–51	Washer – Flat	4
41	32144–1	Screw – Cap Hex. Hd.	4
42	322–3	Screw – Cap Hex. Hd.	2
43	3296–29	Nut – Lock	4
44	92–6064	Clamp – R	2
45	92–6068	Hose – Vent	1
46	3234–5	Screw – Cap Hex. Hd.	2
47	3256–23	Washer – Flat	2
†48	82–9610	Decal L.H.	1
*†49	82–9600	Decal R.H.	1

*Not Illustrated
†Model 03703 Only.



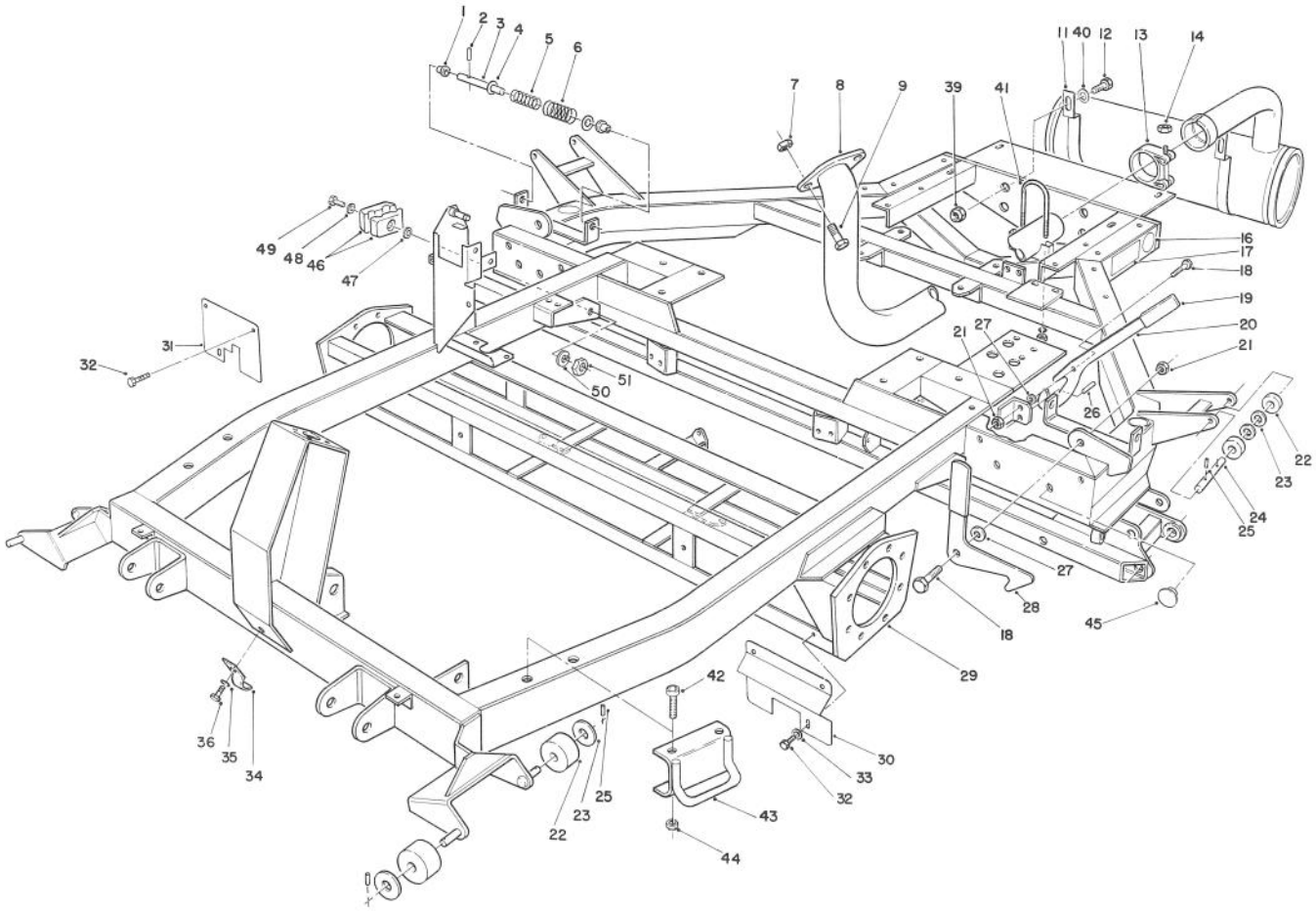
T–1785

FUEL TANK & LOWER BODY ASSEMBLY
Used on Serial No. 40500 & UP

Ref. No.	Part No.	Description	No. Used
1	92–9285	Hose – Fuel, Return	1
2	92–9284	Hose – Fuel, Suction	1
3	2412–108	Clamp – Hose	5
4	92–9266	Standpipe	2
5	46–6560	Grommet	3
6	3250–31	Screw – Pan Phil. Hd.	5
7	3253–2	Washer – Lock	5
8	92–9267	Sender – Fuel	1
9	62–7650	Gasket – Fuel Sender	1
10	46–6550	Elbow	1
11	92–9272	Hose – Fuel Fill	1
12	92–9283	Hose – Vent, Fuel	
13	3296–29	Nut – Lock	4
14	92–6064	R–Clamp	3
15	322–3	Screw – Cap Hex. Hd.	2
16	92–5674	Neck – Fuel Fill	1
17	87–7540	Cap – Fuel	1
18	92–5675	Grommet	1
19	2412–42	Clamp – Hose	2
20	92–9268	Tank – Fuel	1
21	66–6140	Decal – TORO	1
22	92–5671	Strip – Sealing	1
23	92–5670	Strip – Sealing	2
24	92–4702	W.A. Body – Lower	1
25	32148–9	Nut – Insert	2
26	321–2	Screw – Cap Hex. Hd.	9

Ref. No.	Part No.	Description	No. Used
27	92–6069	Shield – Exhaust	1
28	32128–33	Nut – Lock, Flange Hd.	3
29	240–11	Grommet	2
30	63–8410	Washer – Flat	2
31	323–5	Screw – Cap Hex. Hd.	2
32	52–9590	Latch	4
33	3296–12	Nut – Lock	4
34	48.–7630	Screw	1
35	3256–16	Washer – Flat	5
36	43–5930	Washer – Lock	1
37	48–7890	Nut – Hex.	1
38	3234–4	Screw – Hex. Flange Hd.	4
39	82–9610	Decal L.H. (Model 03703 Only)	1
*	82–9600	Decal R.H. (Model 03703 Only)	1
40	92–5654	Panel – Clean Out	1
41	3296–56	Nut – Lock	6
42	92–5653	Ring – Clamp	1
43	92–5269	Bellows	1
44	48–6900	Screw – Taptite	2
45	240–9	Grommet	3
46	3256–51	Washer – Flat	4
47	32144–1	Screw – Hex. Hd.	4
48	3256–23	Washer – Flat	2
49	3234–5	Screw – Hex. Flange Hd.	2

*Not Illustrated



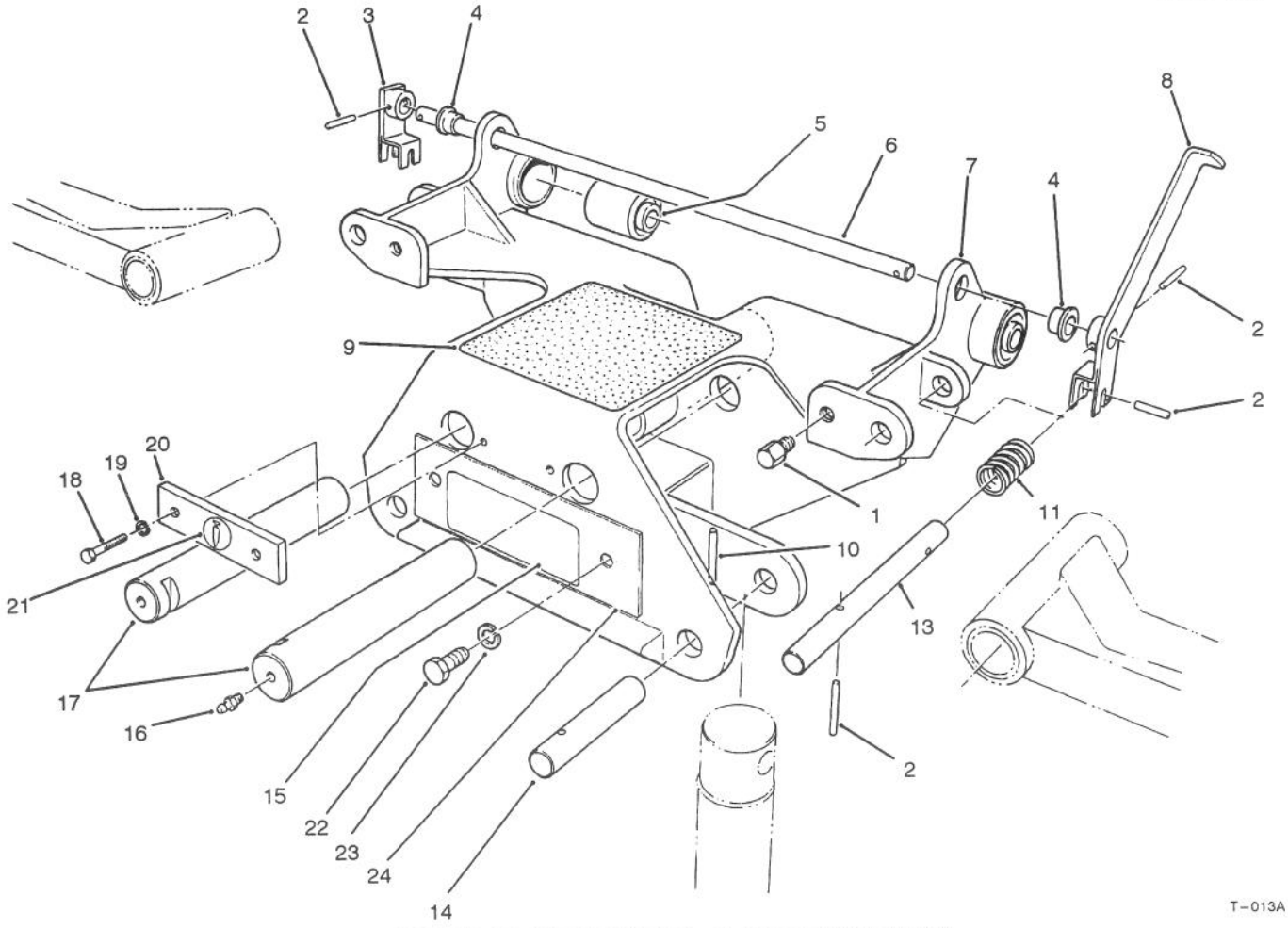
T–0132

CHASSIS & MUFFLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58–2800	Bushing	4
2	60–3720	Pin – Roll	2
3	58–2810	Rod	2
4	3256–7	Washer – Flat	4
5	48–6780	Spring	2
6	60–1240	Spring	2
7	60–6660	Nut – Hex	2
8	76–3470	Tube – Exhaust	1
9	48–9470	Bolt	2
11	74–2850	Muffler	1
*	74–2900	Spark Arrester – Muffler (Optional)	1
12	323–18	Screw – Cap Hex. Hd.	2
13	2412–132	Clamp (Incl. Ref. #14)	1
‡14		Nut	1
16	58–6520	Decal – Grease	3
17	58–5910	Decal – Tire Pressure	2
18	60–6870	Bolt	3
19	48–7080	Cap	3
20	58–3800	Lever	1
21	51–2070	Nut	3
22	82–4910	Roller	8
23	51–2060	Washer	8
24	60–0160	Pin – Roller Rear	2

Ref. No.	Part No.	Description	No. Used
25	60–2110	Pin – Roll	8
26	48–8830	Pin – Roll	1
27	48–8850	Washer – Bevel	3
28	48–8540	Lever	2
29	92–4761	Chassis	1
30	60–4190	Grass Shield – L.H.	1
31	60–4200	Grass Shield – R.H.	1
32	48–6900	Screw – Hex Hd.	6
33	48–8010	Washer	2
34	60–2080	Clamp – Hose	1
35	48–9570	Washer – Lock	1
36	48–7680	Screw – Cap Hex Hd.	1
39	3296–39	Nut – Lock	2
40	3256–24	Washer – Flat	2
41	76–3560	Clamp – Exhaust	1
42	3289–25	Screw – Socket Flat Hd.	4
43	92–4768	Tiedown	2
44	3296–23	Nut – Lock	4
45	92–6059	Plug – Button	12
46	92–3044	Clamp – Tube	2
47	92–2950	Spacer	1
48	3256–22	Washer – Flat	1
49	321–9	Screw – Cap Hex. Hd.	1
50	3253–3	Washer – Lock	1
51	3217–5	Nut – Hex.	1

*Not Illustrated
‡Not Serviceable Separately



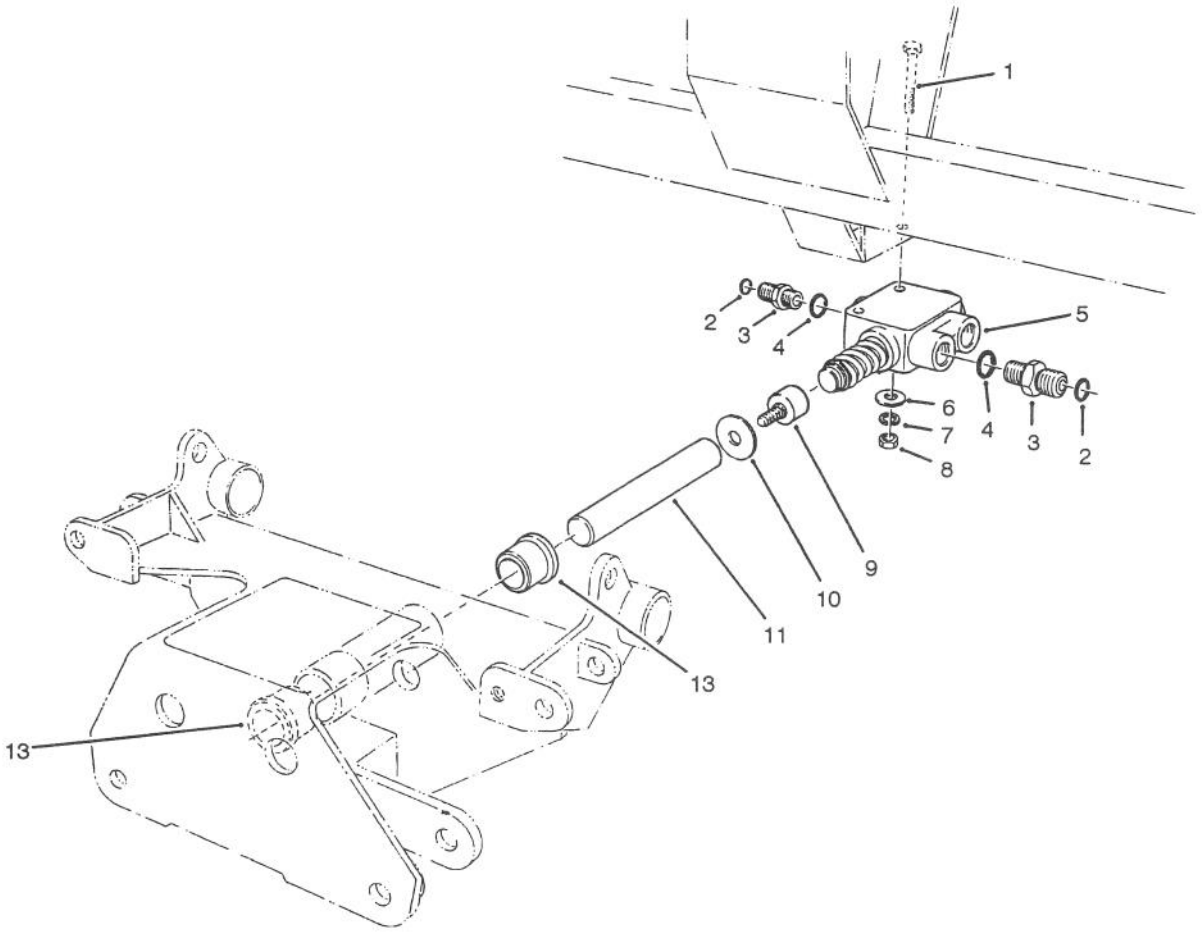
T–013A

FRONT CARRIER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–9250	Stud – Threaded	2
2	60–2000	Pin – Dowel	6
3	60–1750	Lever – R.H.	1
4	60–1990	Bushing – Flange	2
5	47–7010	Bushing	2
6	60–1820	Shaft – Pivot	1
7	74–2920	Carrier – Front	1
8	60–1780	Lever – L.H.	1
9	82–9370	Pad – Step	1
10	3285–11	Pin – Spirol	2
11	60–0670	Spring – Compression	2
13	82–9360	Rod – Latch	2

Ref. No.	Part No.	Description	No. Used
14	58–2720	Pin – Cylinder Mount	2
15	86–6120	Decal – Towing	1
16	302–5	Fitting – Grease	2
17	60–0090	Pin – Lift Arm, Pivot	2
18	322–2	Screw – Cap Hex. Hd.	2
19	3253–4	Washer – Lock	2
20	60–0190	Retainer	1
21	58–6520	Decal – Grease	1
22	325–2	Screw – Cap Hex. Hd.	2
23	3253–7	Washer – Lock	2
24	84–6480	Plate – Decal	1

*Not Illustrated

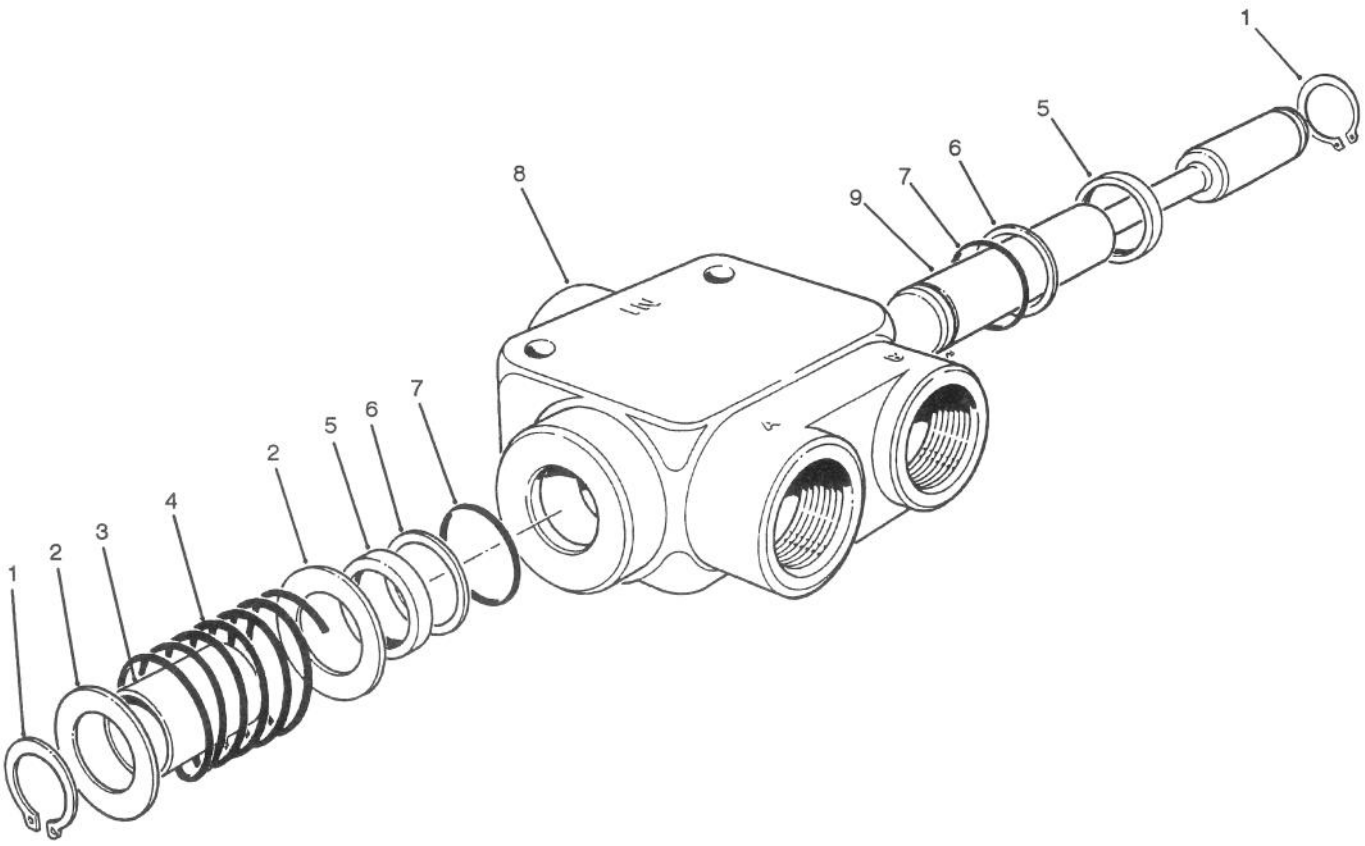


T–0134A

PUSH ROD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–12	Screw – Cap Hex Hd.	2
2	237–65	O–Ring	3
3	340–7	Fitting – Straight (Incl. Ref. #2 & 4)	3
4	237–80	O–Ring	3
5	58–5460	Valve – Shutoff	1
6	3256–23	Washer – Flat	2

Ref. No.	Part No.	Description	No. Used
7	3253–4	Washer – Lock	2
8	3217–6	Nut – Hex	2
9	59–7140	Bumper	1
10	3256–68	Washer	A/R
11	60–0300	Rod	1
13	48–6640	Bushing – Flange	2



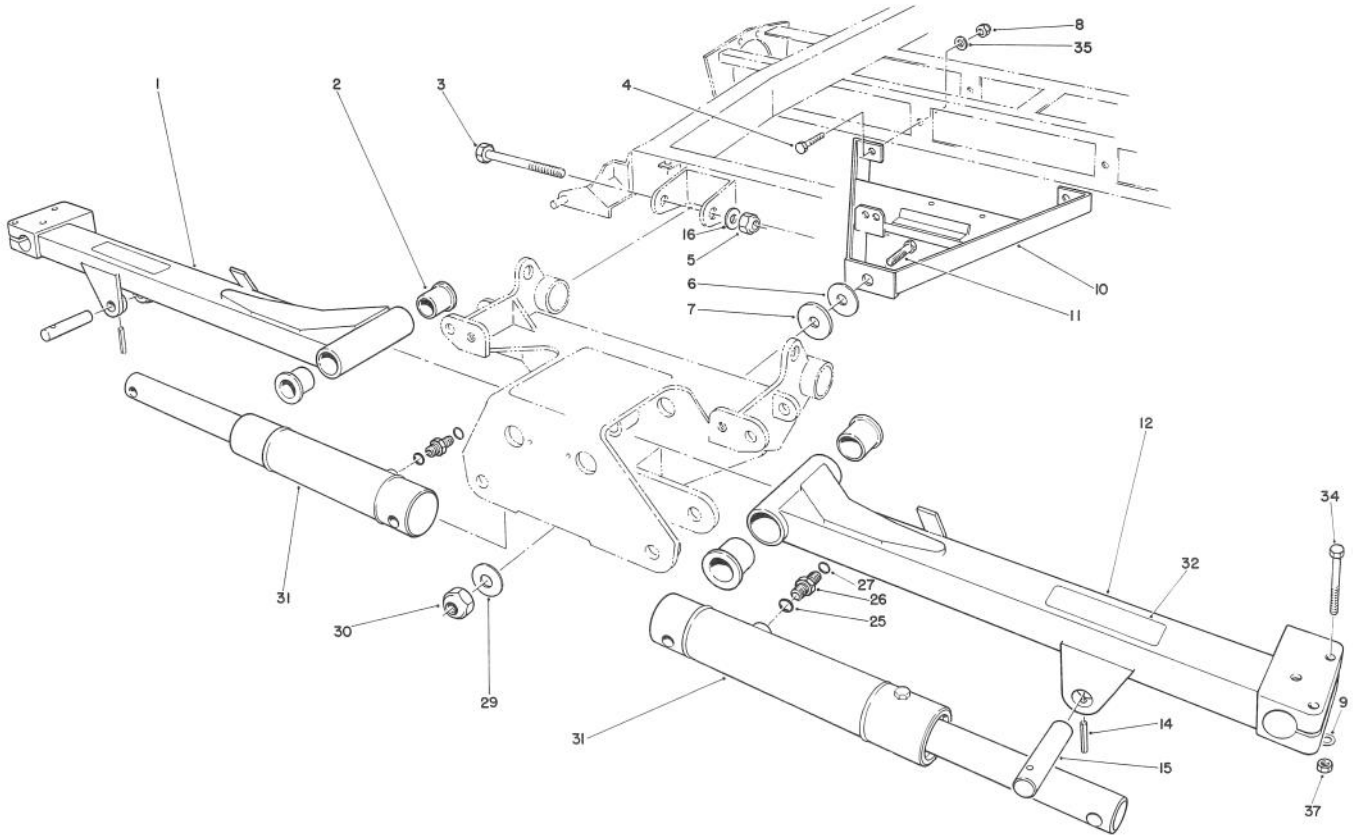
T–0135

REEL SHUT–OFF VALVE NO. 58–5460

Ref. No.	Part No.	Description	No. Used
1	59–7810	Circlip	2
2	59–7820	Washer	2
†3		Spacer	1
4	59–7840	Spring	1
5	59–7850	Wiper	2
6	59–7860	Backup Washer	2

Ref. No.	Part No.	Description	No. Used
7	59–7780	O–Ring	2
†8		Body	1
†9		Spool	1
*	59–7890	Seal Kit (Incl. Ref. #1, 5, 6 & 7)	1

*Not Illustrated
†Not Serviceable Separately

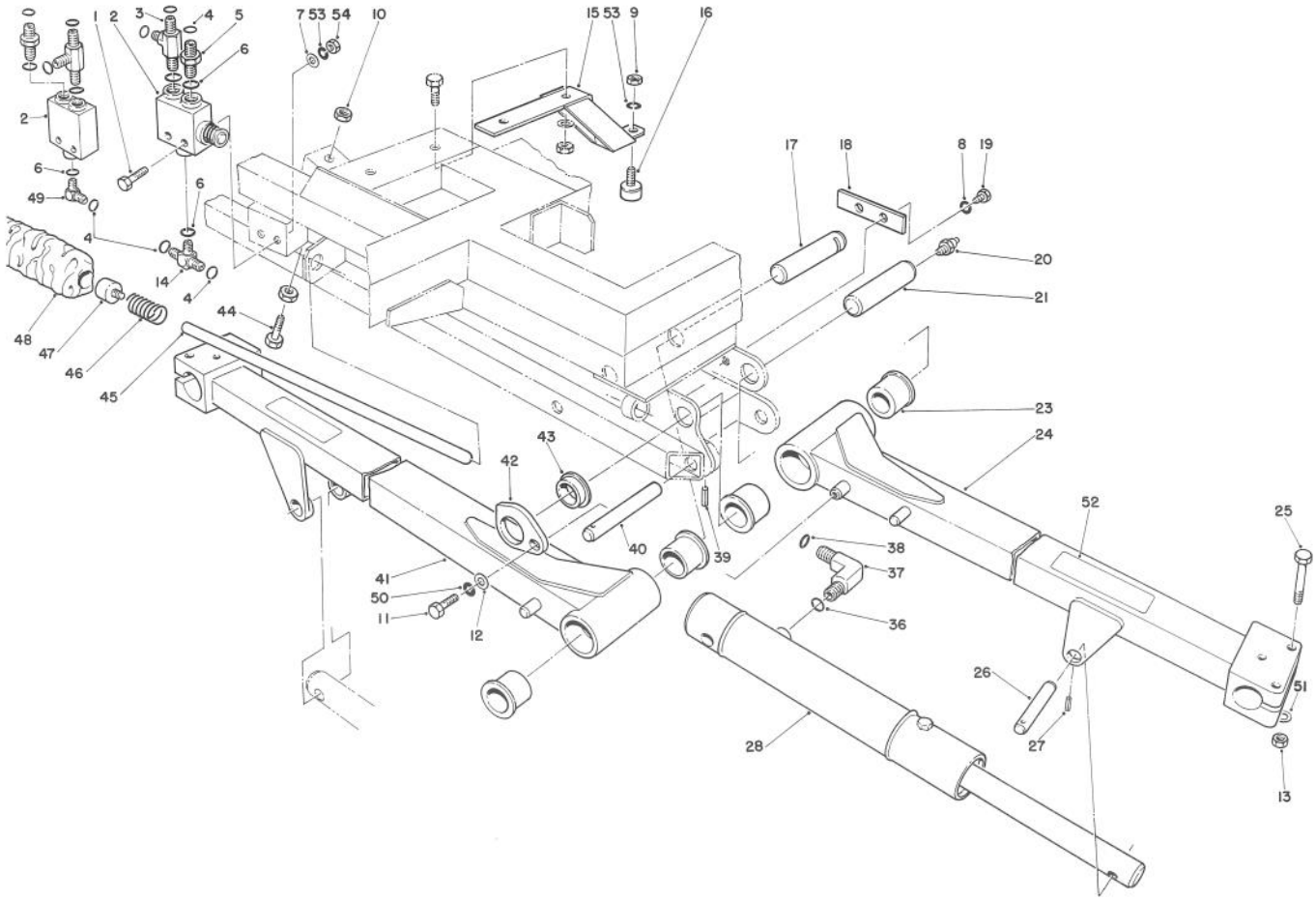


T–0136

NO. 2 & 3 LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	82–9560	No. 3 Lift Arm	1
2	68–6480	Bushing	4
3	325–17	Bolt	2
4	48–9470	Bolt	2
5	3296–23	Nut – Lock	2
6	52–6180	Washer	A/R
7	60–3250	Washer – Rubber	1
8	48–9520	Nut – Lock	2
9	3256–56	Washer – Flat	6
10	60–0440	A–Frame	1
11	48–9490	Bolt	1
12	82–9550	No. 2 Lift Arm	1
14	60–1280	Pin – Roll	2

Ref. No.	Part No.	Description	No. Used
15	58–4380	Pin – Pivot	2
16	3256–26	Washer – Flat	2
25	237–42	O–Ring	2
26	340–2	Adapter (Incl. Ref. #25 & 27)	2
27	237–22	O–Ring	2
29	48–9600	Washer	1
30	48–9540	Nut	1
31	84–6210	Hydraulic Cylinder Assembly	2
32	61–3610	Decal	2
34	323–13	Bolt	6
35	48–9580	Washer	2
37	3296–39	Nut – Lock	6

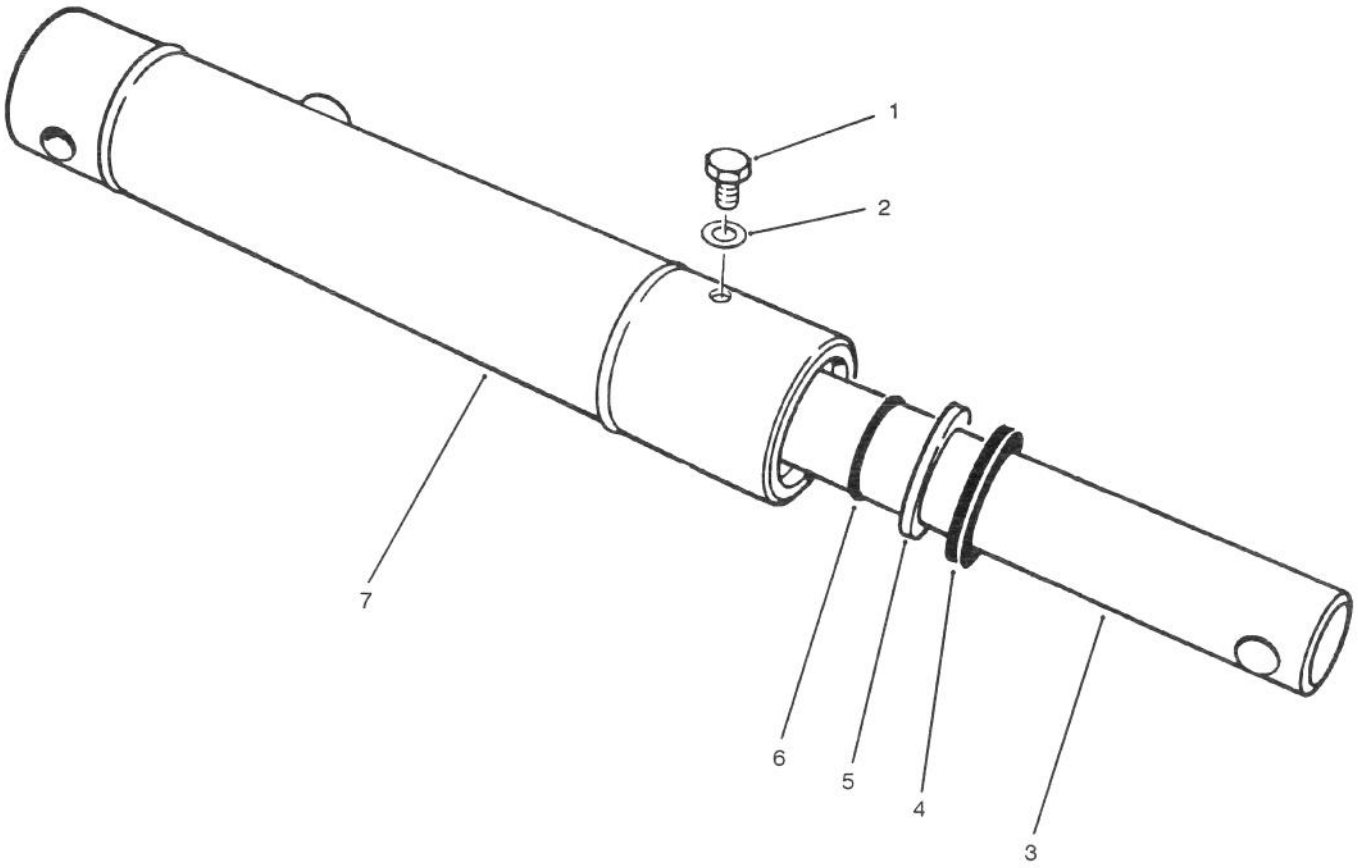


NO. 1, 4 & 5 LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–12	Bolt	4
2	58–5460	Valve – Shut–Off	2
3	340–22	Fitting – Tee (Incl. Ref. #4 & 6)	2
4	237–65	O–Ring	9
5	340–7	Fitting (Incl. Ref. #4 & 6)	2
6	237–80	O–Ring SAE	6
7	3256–23	Washer	4
8	48–9570	Washer – Lock	4
9	48–7930	Nut – Hex.	2
10	48–9530	Nut – Hex.	2
11	323–6	Bolt	2
12	3256–3	Washer	2
13	3296–39	Nut – Lock	9
14	340–93	Fitting – Tee (Incl. Ref. #4 & 6)	1
15	60–1050	Bracket	2
16	48–3280	Bumper	2
17	60–0090	Pin – #1 Lift Arm Pivot	1
18	60–0190	Retainer – #1 & 4 Pivot Pin	1
*	60–1640	Retainer – #5 Pivot Pin	1
19	48–7700	Bolt	4
20	302–5	Fitting – Grease	3
21	60–0100	Pin – #4 & 5 Lift Arm Pivot	2
23	68–6480	Bushing	6
24	82–9570	Lift Arm No. 4	1

Ref. No.	Part No.	Description	No. Used
25	323–13	Bolt	9
26	58–4380	Pin – Pivot	3
27	60–1280	Pin – Roll	3
28	84–6210	Hydraulic Cylinder Assembly	3
36	237–42	O–Ring SAE	3
37	340–77	Fitting (Incl. Ref. #36 & 38)	3
38	237–22	O–Ring	3
39	3285–11	Pin – Roll	3
40	58–2720	Pin – Pivot	3
41	82–9540	Lift Arm No. 1	1
42	58–9210	Cam	2
43	60–0080	Bushing – Flanged	2
44	53–5940	Bolt	1
45	60–1340	Rod – Push RH	1
*	60–1350	Rod – Push LH	1
46	58–3570	Spring – Compression	2
47	59–7140	Bumper	2
48	58–9630	Sleeve – Protector	2
49	340–17	Fitting (Incl. Ref. #4 & 6)	1
50	3253–5	Washer – Lock	2
51	3256–56	Washer – Flat	9
52	61–3610	Decal	3
53	3253–4	Washer – Lock	6
54	3217–6	Nut – Hex.	4
*	82–9580	Lift Arm No. 5	1

*Not Illustrated



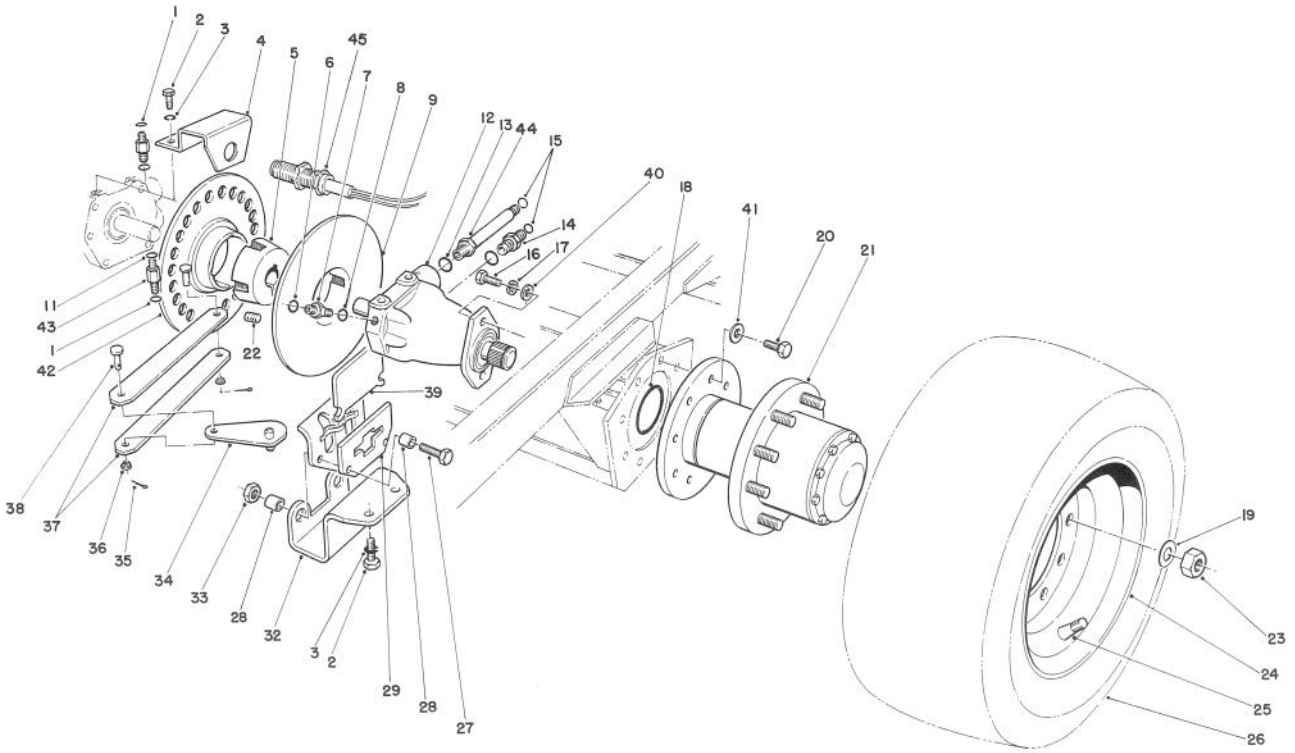
T–1685

HYDRAULIC CYLINDER ASSEMBLY NO. 84–6210

Ref. No.	Part No.	Description	No. Used
1	60–3660	Screw – Bleed	1
2	60–3650	Washer	1
†3		Rod	1
4	60–3630	Wiper	1
5	60–3620	Seal	1

Ref. No.	Part No.	Description	No. Used
6	60–3610	Ring – Snap	1
†7		Barrel	1
*	62–6370	Kit – Seal (Incl. Ref. #2 & 4–6)	1

†Not Sold Separately



T–0138

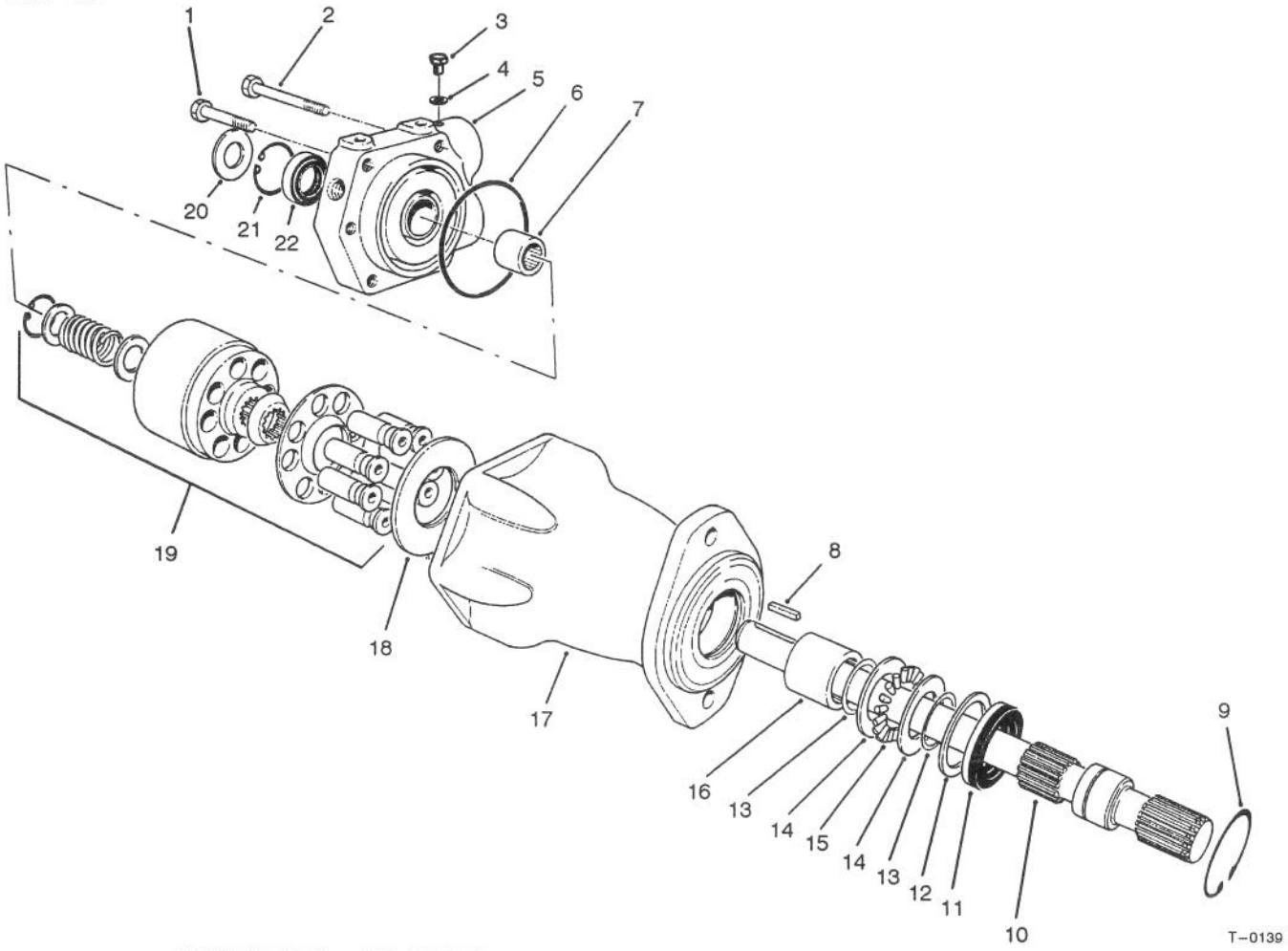
TRACTION DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237–21	O–Ring	2
2	322–3	Screw – Cap Hex. Hd.	6
3	3253–4	Washer – Lock	6
4	82–9330	Bracket – Sensor	1
5	23–1840	Bushing (Incl. Ref. #22)	2
6	237–22	O–Ring	2
7	340–2	Fitting (Incl. Ref. #6 & 8)	2
8	237–42	O–Ring	2
9	58–0070	Disc – Brake	1
11	237–118	O–Ring	2
12	58–5430	Motor – Wheel	2
13	237–81	O–Ring	4
14	340–9	Fitting (Incl. Ref. #13 & 15)	2
15	237–58	O–Ring	4
16	323–18	Bolt	4
17	3253–5	Washer – Lock	4
18	353–949	O–Ring	2
19	60–6990	Washer	18
20	327–3	Bolt	16
21	62–6400	Drive Hub Assembly (Standard Speed Ratio) (Model 03702)	2
*	58–5530	Drive Hub Assembly (High Speed Ratio) (Model 03703)	2

Ref. No.	Part No.	Description	No. Used
22	3247–10	Screw – Set	4
23	3219–5	Nut – Hex.	18
24	58–5610	Rim	2
25	58–5620	Tube – Inner	2
26	63–4480	Tire (Model 03702)	2
*	58–5600	Tire (Model 03703)	2
27	323–20	Bolt	4
28	58–3780	Spacer	8
29	29–1060	Bracket	2
32	58–0110	Bracket	2
33	3296–39	Nut – Lock	4
34	29–1070	Lever Assembly	2
35	3272–6	Pin – Cotter	4
36	60–1740	Nut – Spring	4
37	58–2300	Link – Brake	4
38	283–67	Pin – Clevis	4
39	29–1080	Pad	4
40	3256–3	Washer – Flat	4
41	3256–27	Washer – Flat	16
42	82–9280	Disc – 22 Hole (Used on Model 03702)	1
*	82–9270	Disc – 27 Hole (Used on Model 03703)	1
43	340–90	Fitting (Incl. Ref. #1 & 11)	2
44	340–11	Fitting (Incl. Ref. #13 & 15)	2
45	75–6700	Sensor – Magnetic	1

*Not Illustrated

3316–446

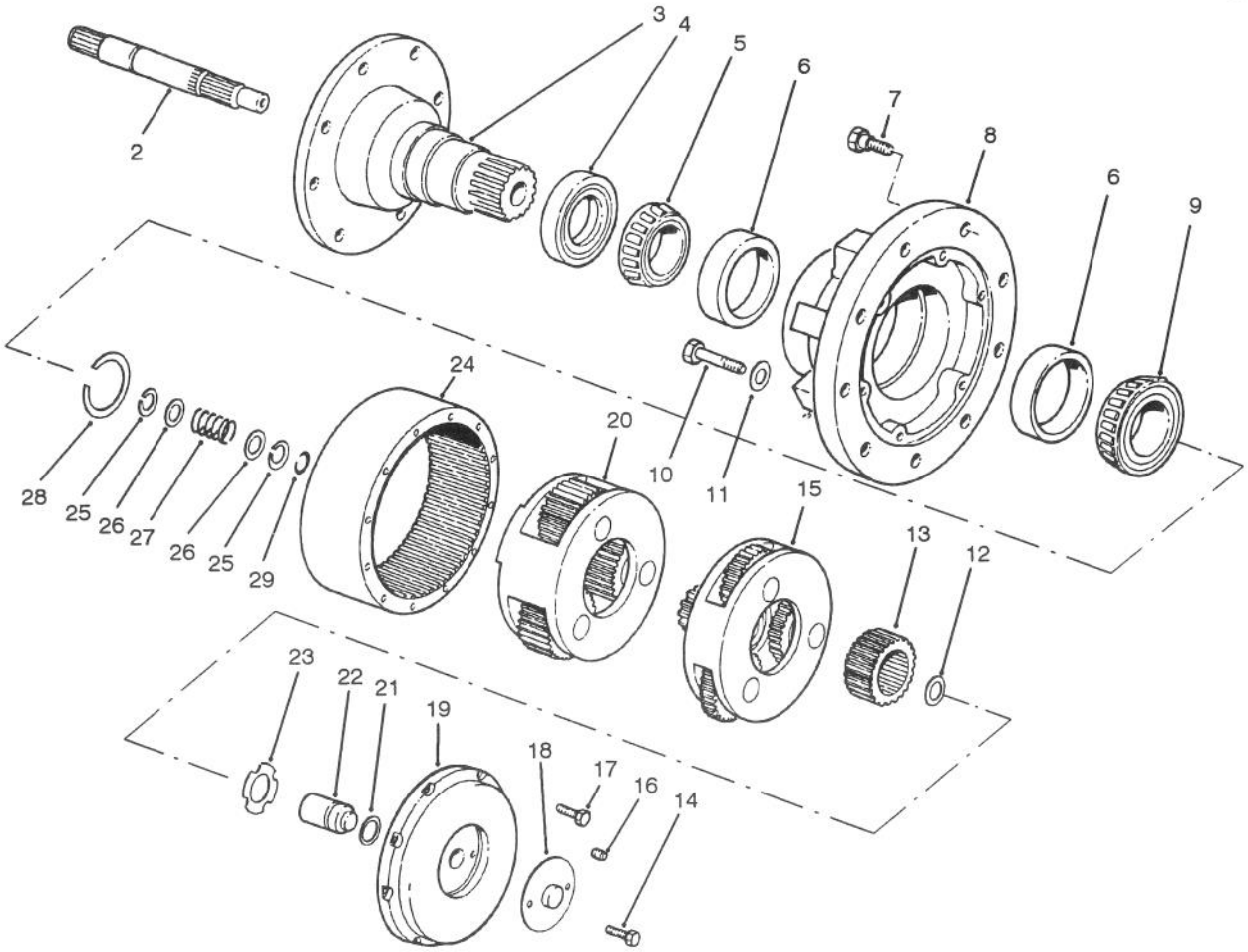


WHEEL MOTOR ASSEMBLY NO. 58–5430

Ref. No.	Part No.	Description	No. Used
1	59–8290	Screw – Cap Hex. Hd.	3
2	59–8280	Screw – Cap Hex. Hd.	3
3	353–948	Plug (Incl. Ref. #4)	2
4	237–118	Seal – O–Ring	2
5	59–8270	Back Plate Assembly (Incl. Ref. #7)	1
6	59–8260	O–Ring	1
7	60–3590	Bearing	1
8	59–8380	Key	1
9	32151–13	Ring – Retaining	1
10	59–8360	Shaft – Drive	1
11	59–8370	Seal – Shaft	1
12	33–3720	Washer	1
13	32151–29	Ring – Retaining	2

Ref. No.	Part No.	Description	No. Used
14	252–71	Race – Thrust	1
15	252–66	Bearing – Thrust	1
16	60–3380	Bearing	1
17	59–8300	Housing Assembly (Incl. Ref. #16)	1
18	59–8350	Camplate Assembly	1
19	59–8340	Rotating Assembly	1
20	84–6440	Shield – Grass	1
†21		Ring – Retaining	1
†22		Seal – Shaft	1
*	59–8390	Kit – Seal Repair (Incl. Ref. #6, 9, 11, 13, & 20–22)	1
*	66–5840	Kit – Seal Repair (Incl. Ref. #20–22)	1

*Not Illustrated
†Not Serviceable Separately



T–0140

PLANETARY GEAR DRIVE ASSEMBLY
Standard Speed Ratio (19.62:1) Model No. 03702
High Speed Ratio (15.88:1) Model No. 03703

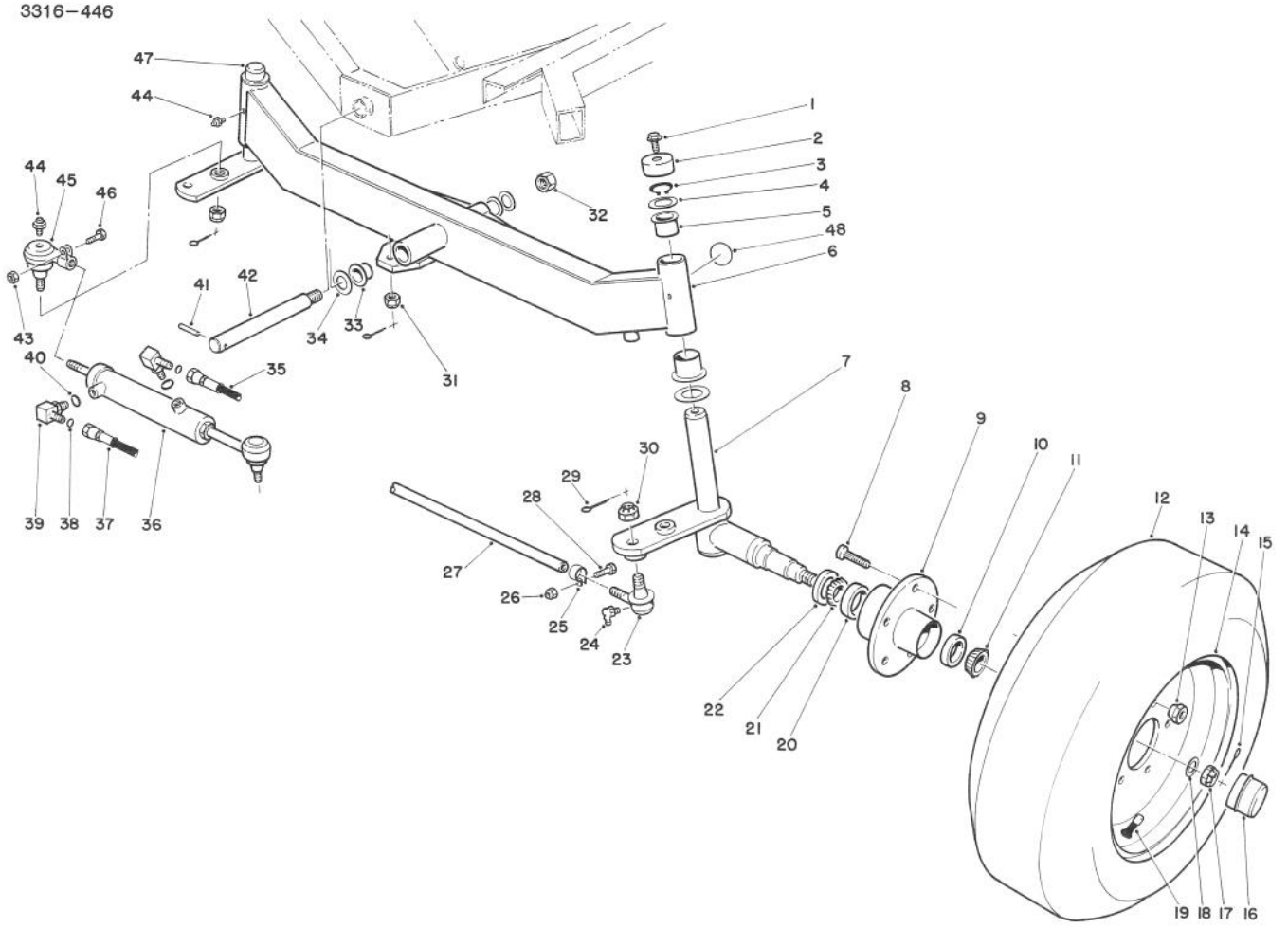
Ref. No.	Part No.	Description	No. Used
1	60–3800	Coupling	1
2	60–3810	Shaft – Input	1
3	60–3820	Spindle	1
4	60–3830	Seal – Oil	1
5	60–3840	Cone – Bearing	1
6	60–3850	Cup – Bearing	2
7	60–3860	Bolt – Wheel	9
8	60–3870	Hub	1
9	60–3880	Cone – Bearing	1
10	60–3890	Bolt – Hex. Hd.	6
11	60–3910	Washer – Flat	6
12	60–3980	Washer – Thrust	1
13	60–3970	Gear – Primary Sun (High Speed Ratio)	1
*	62–6430	Gear – Primary Sun (Standard Speed Ratio)	1
14	60–4070	Bolt – Hex. Hd.	2
15	60–3960	Primary Carrier Assembly (High Speed Ratio)	1
*	62–6410	Primary Carrier Assembly (Standard Speed Ratio)	1

Ref. No.	Part No.	Description	No. Used
16	60–4040	Plug – Pipe	1
17	60–4030	Bolt – Hex Hd.	8
18	60–4060	Cover – Disengage	1
19	60–4050	Cover – Large	1
20	60–4000	Secondary Carrier Assembly (High Speed Ratio)	1
*	62–6420	Secondary Carrier Assembly (Standard Speed Ratio)	1
21	60–4020	O–Ring	1
22	60–4010	Plunger – Disengage	1
23	60–3990	Washer – Thrust	1
24	60–3900	Gear – Ring	1
25	82–8700	Ring – Retaining	2
26	60–3940	Washer	2
27	60–3950	Spring – Disengage	1
†28	62–6450	Kit – Retaining Ring	1
29	60–3930	Ring – Retaining	1
*	62–6460	Tube – RW Sealant	1

*Not Illustrated

†Includes 7 different thickness for service adjustment of bearings.

3316–446



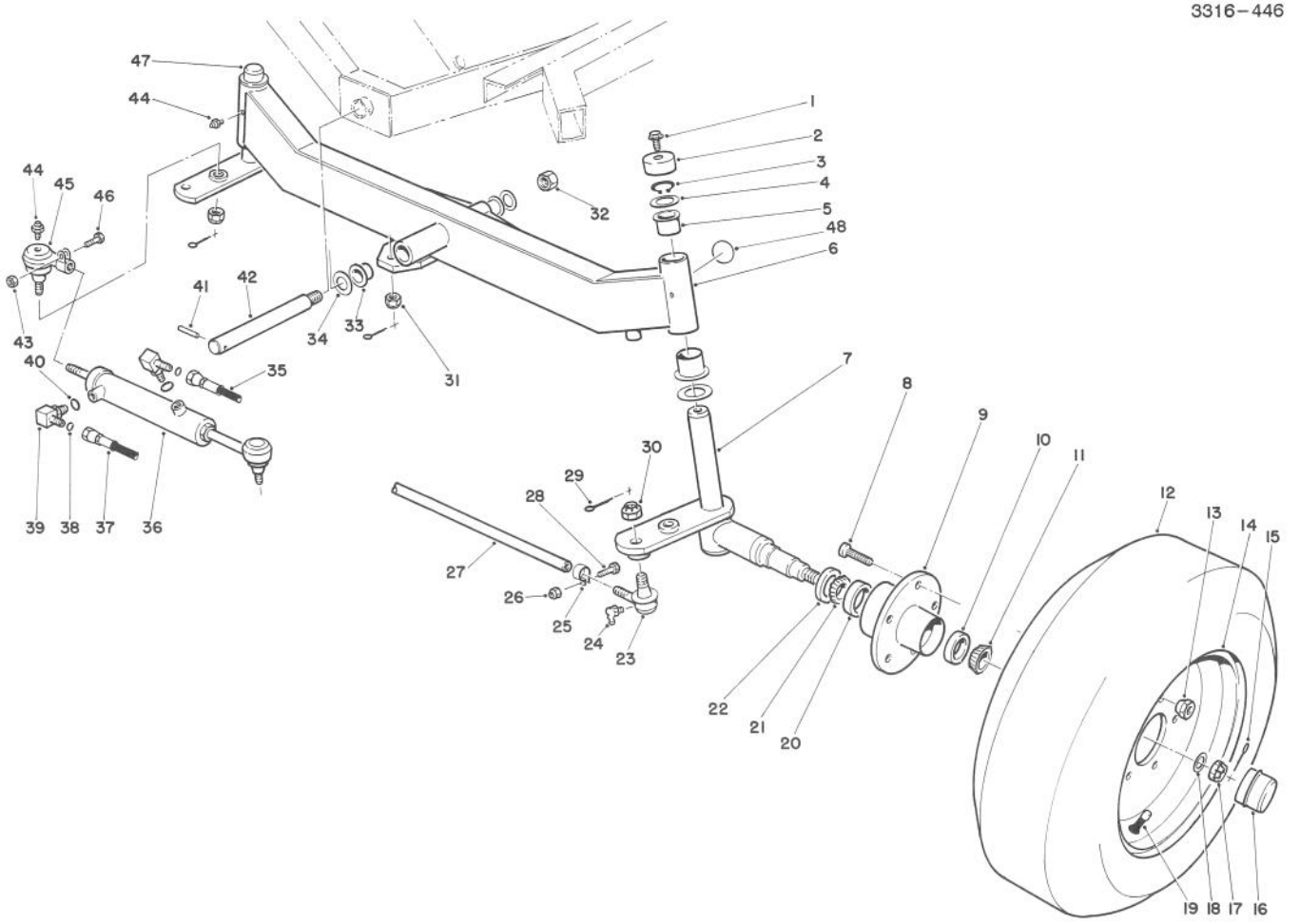
T–1211

STEERING AXLE

Ref. No.	Part No.	Description	No. Used
1	3234–12	Screw – Hex. Flange Hd.	2
2	69–8890	Cap – Spindle	2
3	32151–10	Ring – Retaining	2
4	256–304	Washer – Thrust	4
5	69–6470	Bushing – Flange	4
6	82–9850	Axle – Rear	1
7	69–7370	Spindle – Wheel LH	1
8	69–2990	Screw – Drive	10
9	69–2960	Hub – Wheel, Rear (Incl. Ref. #8, 10, & 20)	2
10	254–72	Cup – Bearing, Outer	2
11	254–92	Cone – Bearing, Outer	2
12	69–9880	Tire (Used on Model 03702)	2
*	58–5570	Tire (Used on Model 03703)	2
13	23–7270	Nut – Lug	10
14	217–116	Rim (Used on Model 03702)	2
*	58–5590	Rim (Used on Model 03703)	2
15	3272–13	Pin – Cotter	2
16	69–2970	Cap – Hub	2
17	32136–5	Nut – Castle	2
18	3256–28	Washer – Flat	2
19	232–27	Stem – Valve	2
20	254–107	Cup – Bearing Inner	2
21	254–106	Cone – Bearing Inner	2
22	69–2980	Seal – Inner	2

Ref. No.	Part No.	Description	No. Used
23	2116–4	Joint – Ball RH	1
*	2116–3	Joint – Ball, L.H.	1
24	302–33	Fitting – Grease	2
25	2412–7	Clamp Assembly (Incl. Ref. # 26 & 28)	2
†26		Nut – Lock	2
27	82–9260	Tie Rod Assembly (Incl. Ref. #23–26, 28 & 30)	1
†28		Screw – Cap Hex. Hd.	2
29	3272–12	Pin – Cotter	4
30	32136–2	Nut – Castle	2
31	32136–13	Nut – Castle	2
32	3296–49	Nut – Lock	1
33	48–6640	Bushing – Flange	2
34	48–6660	Washer – Thrust	2
35	82–9840	Hose – Hydraulic	1
36	77–4800	Cylinder – Steering	1
37	82–9841	Hose – Hydraulic	1
38	237–22	O–Ring	2
39	340–97	Fitting – Hydraulic (Incl. Ref. #38 & 40)	1
40	237–78	O– Ring	2
41	60–3670	Pin – Roll	1
42	82–9210	Shaft – Pivot	1
†43		Nut – Hex.	1

*Not Illustrated
†Not Serviceable Separately



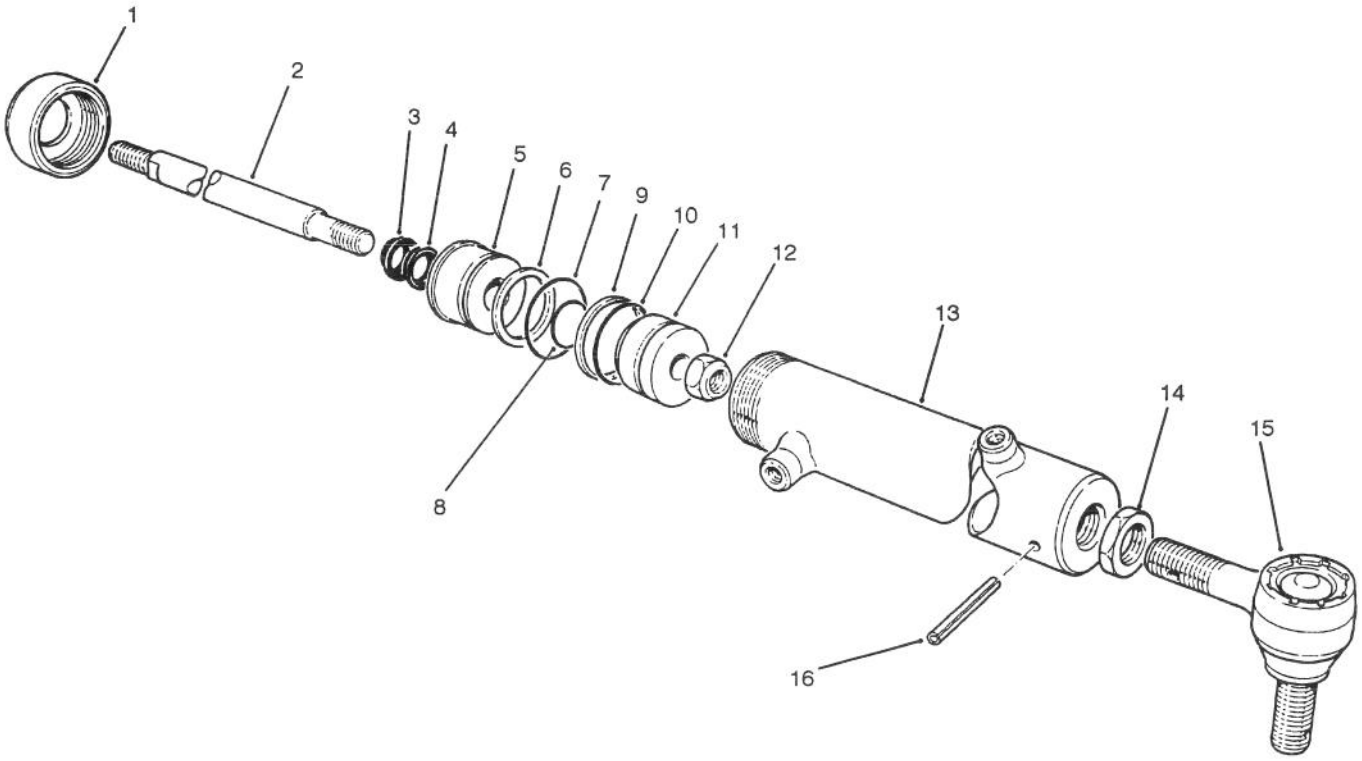
T–1211

STEERING AXLE (Continued)

Ref. No.	Part No.	Description	No. Used
44	302–5	Fitting – Grease	4
45	69–9810	Joint – Ball (Incl. Ref. #31, 43–44 & 46)	1

Ref. No.	Part No.	Description	No. Used
†46		Screw – Cap Hex. Hd.	1
47	69–7360	Spindle – Wheel RH	1
48	58–6520	Decal – Grease	2

†Not Serviceable Separately



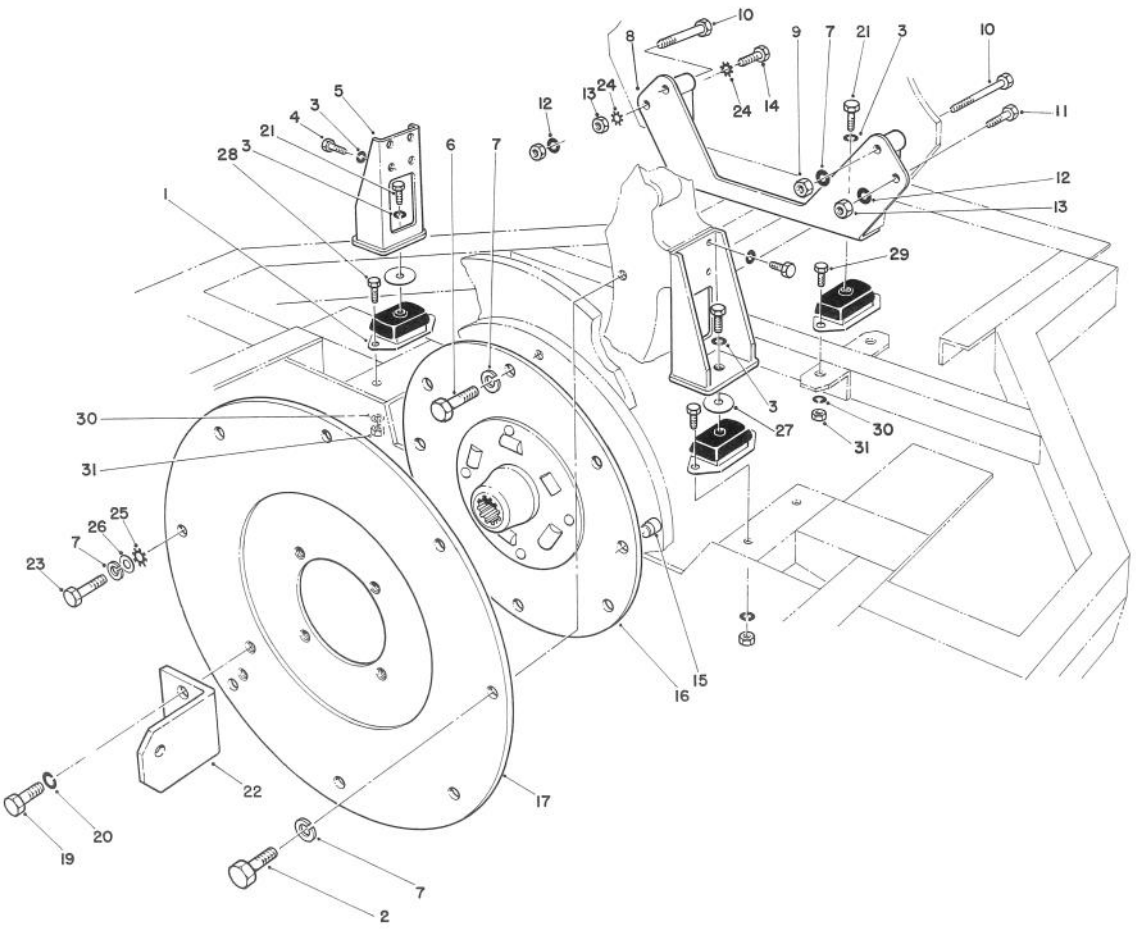
T–1209

HYDRAULIC CYLINDER 77–4800

Ref. No.	Part No.	Description	No. Used
1	82–5780	Cap – Threaded	1
2	82–5770	Rod	1
†3		Wiper – Rod	1
†4		U–Cup	1
5	82–5790	Head – Cap	1
†6		Backup Washer	1
†7		O–Ring	1
†8		O–Ring	1
†9		Servon	1

Ref. No.	Part No.	Description	No. Used
†10		O–Ring	1
11	82–5760	Piston	1
12	82–5750	Nut – Lock	1
†13		Barrel Assembly	1
14	82–5740	Nut – Jam	1
15	82–5730	Rod Tie, End	1
16	32121–44	Pin – Roll	1
*	82–5800	Kit – Repair, Seal (Incl. Ref. #3, 4, & 6–10)	1

*Not Illustrated
†Not Serviceable Separately

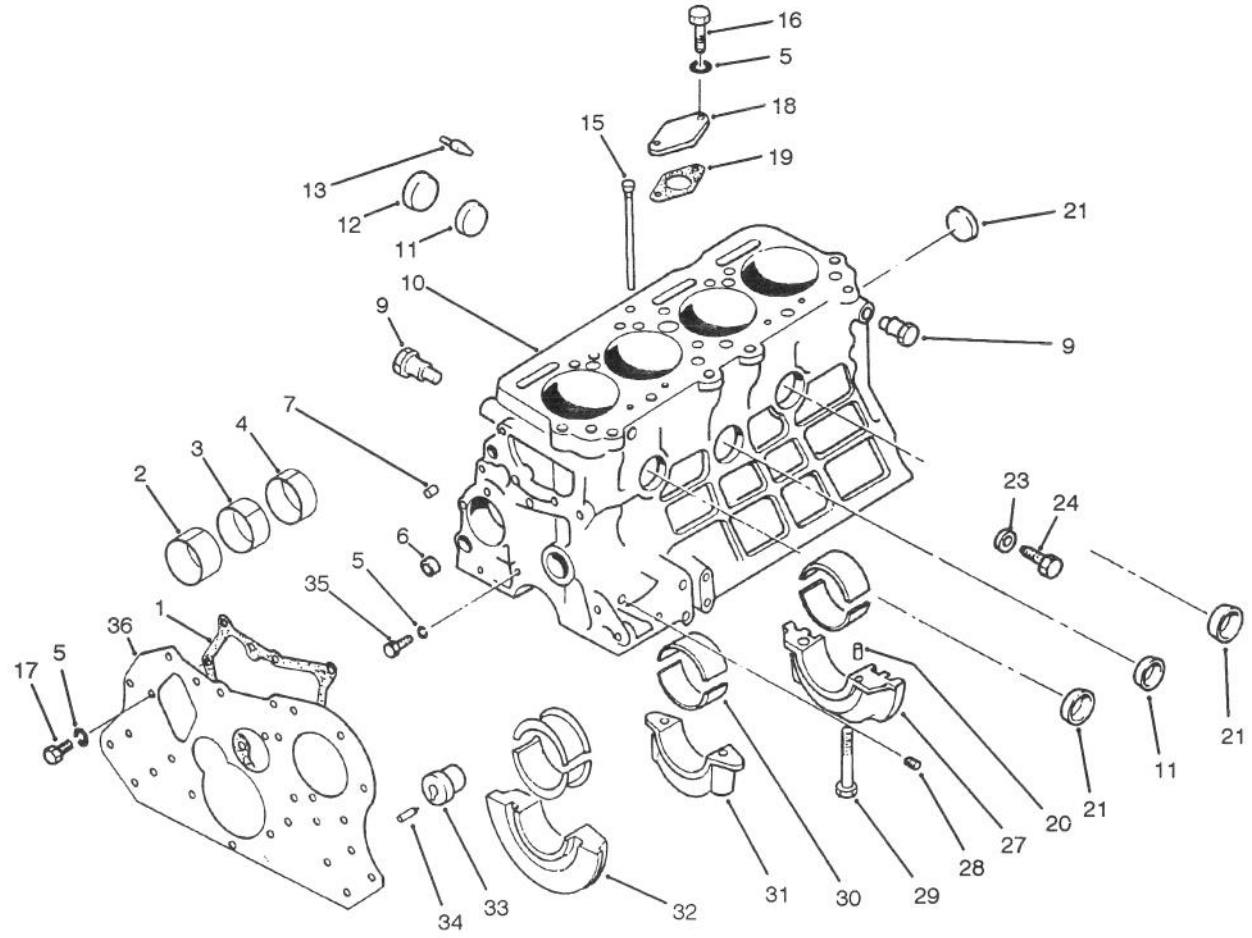


T–0142A

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	48–3250	Mount – Rubber	4
2	48–9470	Bolt	7
3	48–8070	Washer – Lock	12
4	48–7830	Bolt	8
5	48–3380	Leg – Support	2
6	48–7780	Bolt	6
7	48–9590	Washer – Lock	16
8	58–0660	Foot – Front	1
9	48–7960	Nut – Hex.	2
10	48–7570	Bolt	2
11	48–9460	Bolt	1
12	48–9570	Washer – Lock	2
13	48–7930	Nut – Hex.	3
14	60–4540	Bolt	1
15	58–3590	Dowel	2

Ref. No.	Part No.	Description	No. Used
16	48–6260	Coupling – Spring Center	1
17	69–9550	Plate – Pump Adapter	1
19	3213–20	Bolt	2
20	3253–7	Washer – Lock	2
21	60–6870	Bolt	4
22	60–1010	Lug – Angle	1
23	48–9480	Bolt	1
24	3255–8	Washer – Lock	2
25	3255–9	Washer – Lock	1
26	48–9580	Washer	1
27	58–5100	Washer	2
28	323–7	Screw – Cap Hex. Hd.	4
29	323–6	Screw – Cap Hex. Hd.	4
30	3253–5	Washer – Lock	8
31	3217–7	Nut – Hex.	8



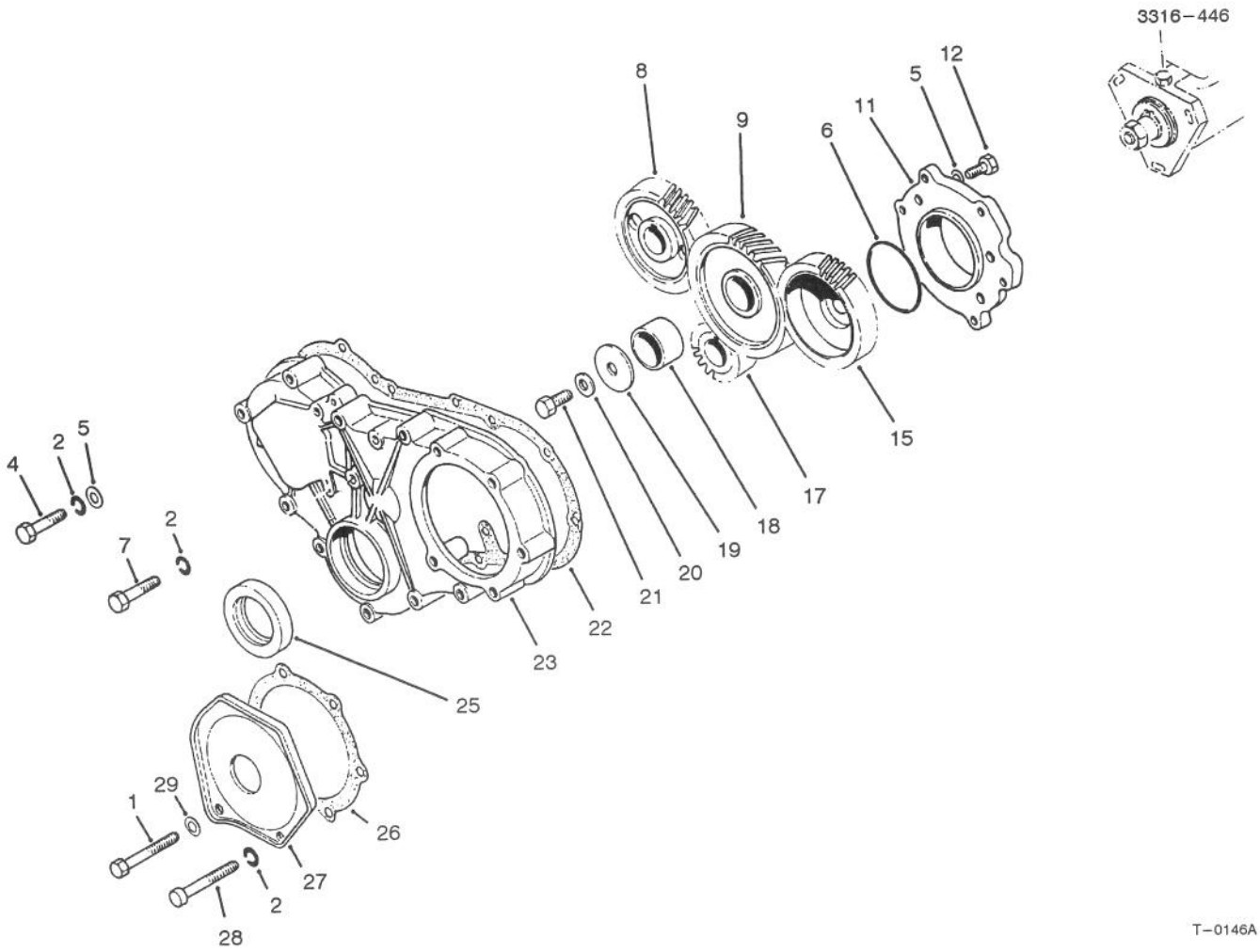
T–0143A

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
‡1	51–5730	Gasket	1
2	51–5500	Bushing – Camshaft No. 1	1
3	51–5510	Bushing – Camshaft No. 2	1
4	51–5520	Bushing – Camshaft No. 3	1
5	51–7250	Washer	5
6	51–5530	Cap – Sealing	2
7	51–5540	Pin – Dowel, Gear Case	2
9	51–5580	Hanger	2
†10		Crankcase	1
11	51–5600	Cap – Sealing	3
12	51–5670	Cap – Sealing	2
13	51–8260	Switch – Indicator, Oil Pressure	1
15	51–5560	Pipe – Oil	1
16	60–7280	Bolt	2
17	60–7110	Bolt	2
18	51–6480	Cover	1
‡19	51–6490	Gasket	1
20	51–5610	Pin – Dowel	8

Ref. No.	Part No.	Description	No. Used
21	51–5590	Cap – Sealing	3
23	51–8270	Washer – Sealing	1
24	51–8280	Bolt	1
†27		Cap – Bearing No. 3	1
28	86–6240	Plug – Taper	3
29	86–6230	Bolt	6
30	51–5770	Bearing Set Std.	1
*	51–8100	Bearing Set 0.25mm U.S.	1
*	51–8110	Bearing Set 0.50mm U.S.	1
*	51–8120	Bearing Set 0.75mm U.S.	1
†31		Cap – Bearing No. 2	1
†32		Cap – Bearing No. 1	1
33	51–5640	Idler Gear Shaft Assembly (Incl. Ref. #34)	1
34	51–5650	Pin – Spring	1
35	60–7310	Bolt	1
36	86–6250	Plate – Front	1
*	92–5268	Engine Gasket Kit	1
*	92–2986	Engine – Complete	1

*Not Illustrated
†Not Serviceable Separately ‡Included in Engine Gasket Kit

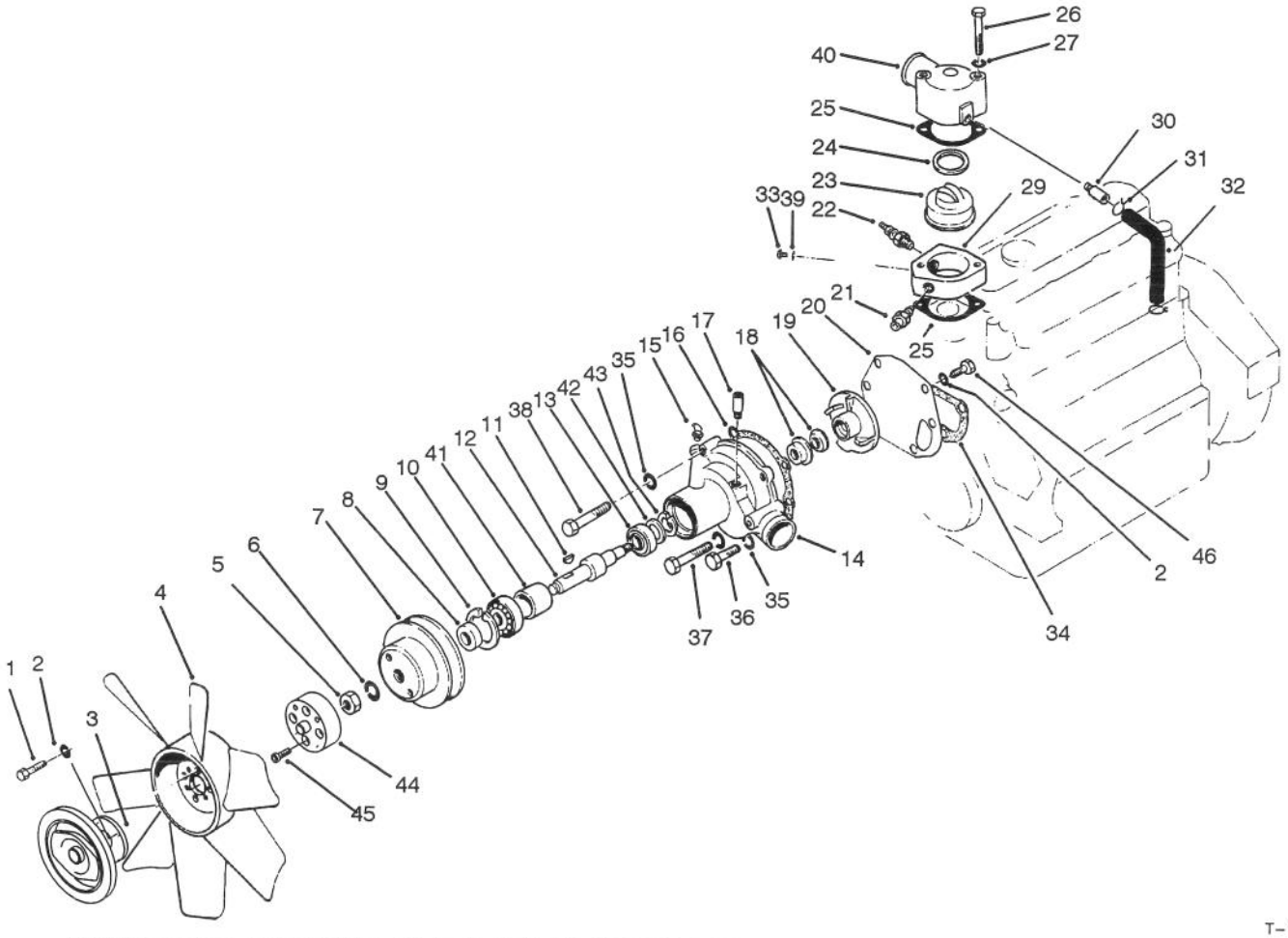


TIMING GEAR & CASE COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	60–7180	Bolt	1
2	51–7250	Washer – Spring	13
4	92–6094	Bolt	1
5	51–5160	Washer	2
‡6	60–7060	O–Ring	1
7	60–7050	Bolt	8
8	51–6410	Gear – Camshaft	1
9	86–6290	Idler Gear Assembly (Incl. Ref. #18)	1
11	60–7200	Plate – Flange	1
12	51–8310	Bolt	1
15	86–6310	Gear – Injector Pump	1

Ref. No.	Part No.	Description	No. Used
17	51–6450	Gear – Crankshaft	1
18	86–6300	Bushing	1
19	51–6400	Plate – Thrust	1
20	51–6390	Washer	1
21	60–7210	Bolt	1
‡22	51–5820	Gasket	1
23	92–6096	Case – Timing Gear	1
25	51–5870	Seal	1
‡26	51–5860	Gasket	1
27	51–5850	Cover	1
28	60–6780	Bolt	4
‡29	51–5840	Washer – Sealing	1

‡Included in Engine Gasket Kit



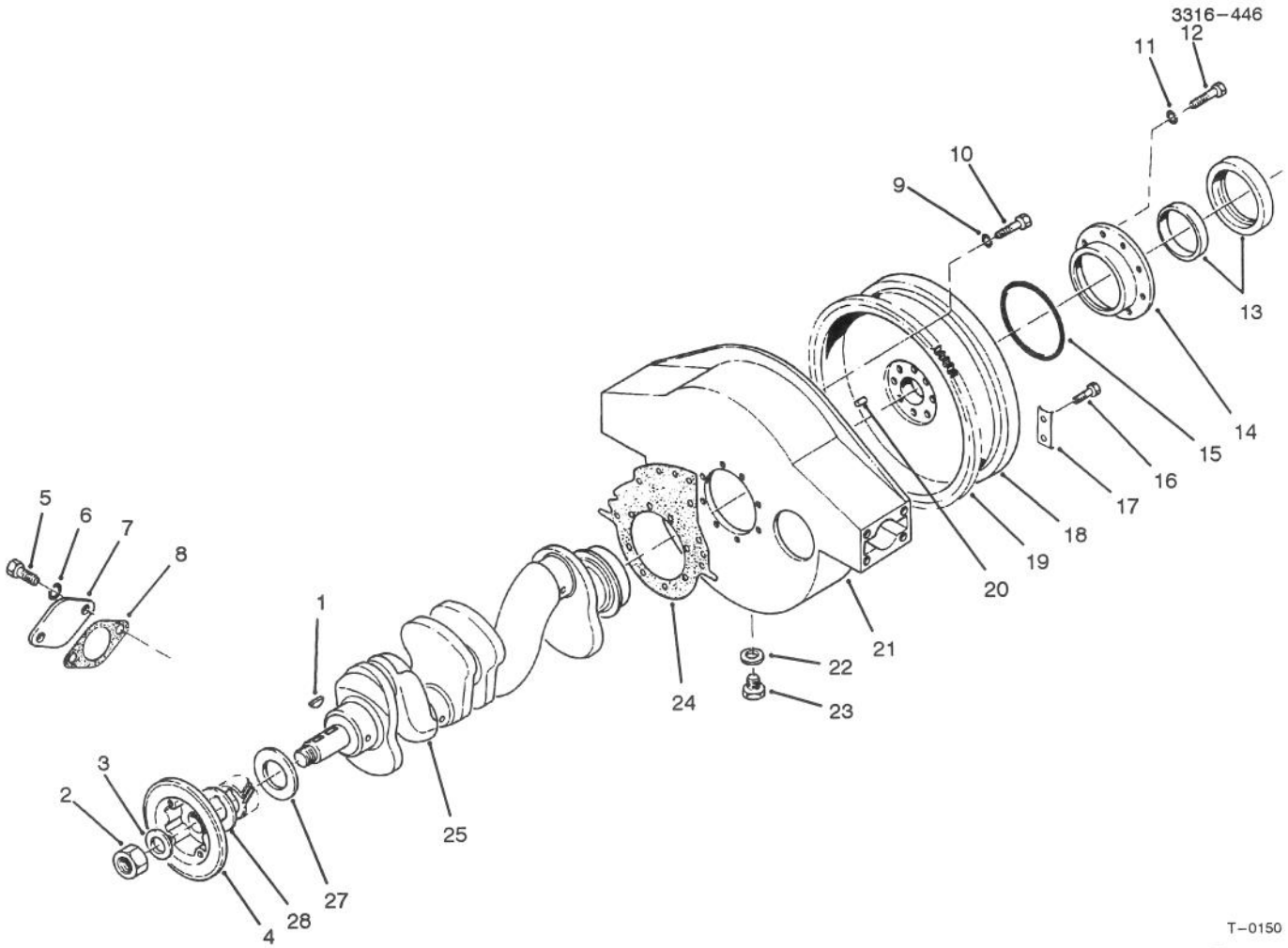
T–1788

WATER PUMP & THERMOSTAT HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322–2	Screw – Cap Hex. Hd.	8
2	51–7250	Washer – Spring	2
3	92–5254	Clutch – Fan	1
4	92–2961	Fan	1
5	51–6910	Nut – Jam	1
6	51–6920	Washer – Spring	1
7	51–7130	Pulley –Water Pump	1
8	51–6930	Spacer – Water Pump	1
9	51–6940	Ring – Retaining	1
10	51–6950	Bearing – Ball	1
11	51–6960	Key – Woodruff	1
12	86–6320	Shaft	1
13	51–6980	Bearing – Ball	1
14	51–8240	Water Pump Assembly (Incl. Ref. #1, 2, 5–13, 15–20 & 34–38)	1
15	51–7020	Fitting – Grease	1
‡16	51–7010	Gasket	1
17	86–6330	Pipe	1
18	51–7030	Seal Unit	1
19	86–6340	Impeller	1
20	51–7050	Cover	1
21	60–5590	Switch – Temp.	1
22	82–3110	Sender – Temp.	1

Ref. No.	Part No.	Description	No. Used
23	51–7230	Thermostat	1
‡24	51–7220	Gasket	1
‡25	51–7210	Gasket	2
26	68–6030	Bolt	2
27	3253–4	Washer – Lock	10
29	92–9265	Housing – Thermostat	1
30	51–7170	Pipe	1
31	51–7200	Clamp – Hose	2
32	70–5040	Hose – By–Pass	1
33	62–6320	Screw – Brass	1
‡34	51–7080	Gasket	1
35	51–6390	Washer – Spring	4
36	51–4910	Bolt	2
37	51–4920	Bolt	1
38	51–4930	Bolt	1
39	3255–5	Washer – Lock	1
40	51–7160	Elbow Assembly (Incl. Ref. #28)	1
41	86–6370	Spacer	1
42	86–6360	Washer	1
43	86–6350	Ring – Retaining	1
44	92–4760	Spacer – Fan	1
45	92–5697	Screw – Hex. Socket Hd.	4
46	60–7110	Bolt	2

‡Included in Engine Gasket Kit

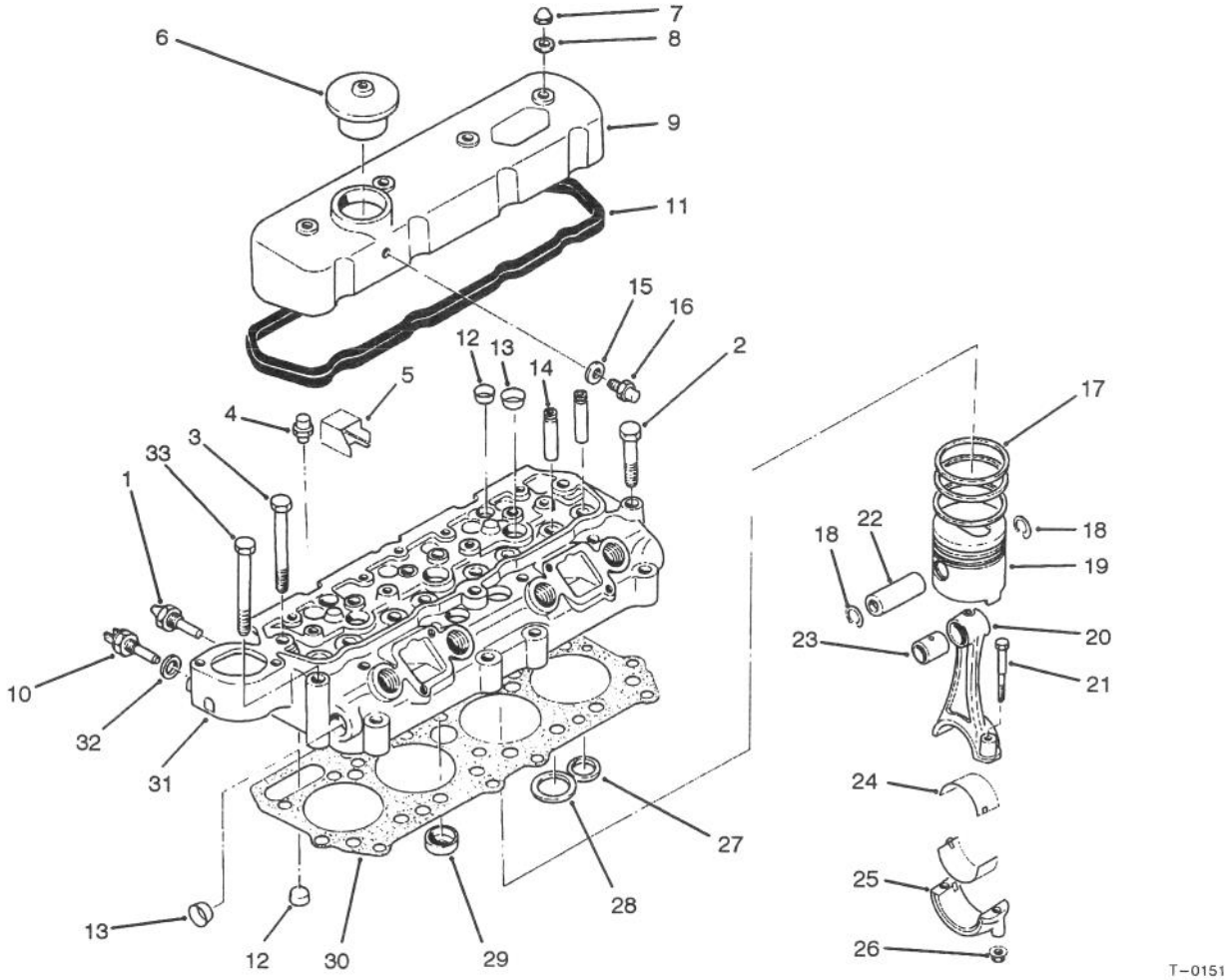


CRANKSHAFT & FLYWHEEL HOUSING COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	51–5460	Key – Woodruff	2
2	60–5220	Nut	1
3	51–6270	Washer	1
4	51–6310	Pulley – Crankshaft	1
5	60–7110	Bolt	2
6	51–7250	Washer – Spring	2
7	51–6010	Cover	1
‡8	51–6020	Gasket	1
9	51–6390	Washer – Spring	7
10	60–7480	Bolt	7
11	51–7400	Washer – Spring	8
12	60–7490	Bolt	8
13	60–7430	Oil Seal Assembly	1
14	51–5900	Case – Seal, Oil	1
‡15	51–5910	O–Ring	1

Ref. No.	Part No.	Description	No. Used
16	51–6370	Bolt – Seal	4
17	51–6360	Washer – Lock	2
18	51–6340	Flywheel Assembly (Incl. Ref. #19)	1
19	51–6350	Gear – Ring	1
20	51–6300	Pin – Dowel	2
21	51–5940	Housing – Flywheel	1
‡22	51–6100	Gasket – Housing, Flywheel	1
23	51–6030	Plug	1
‡24	86–6270	Gasket	1
25	86–6280	Crankshaft Assembly (Incl. Ref. #1–3, & 20)	1
27	51–6330	Plate – Thrust	1
28	51–6320	Plate – Baffle	1

‡Included in Engine Gasket Kit



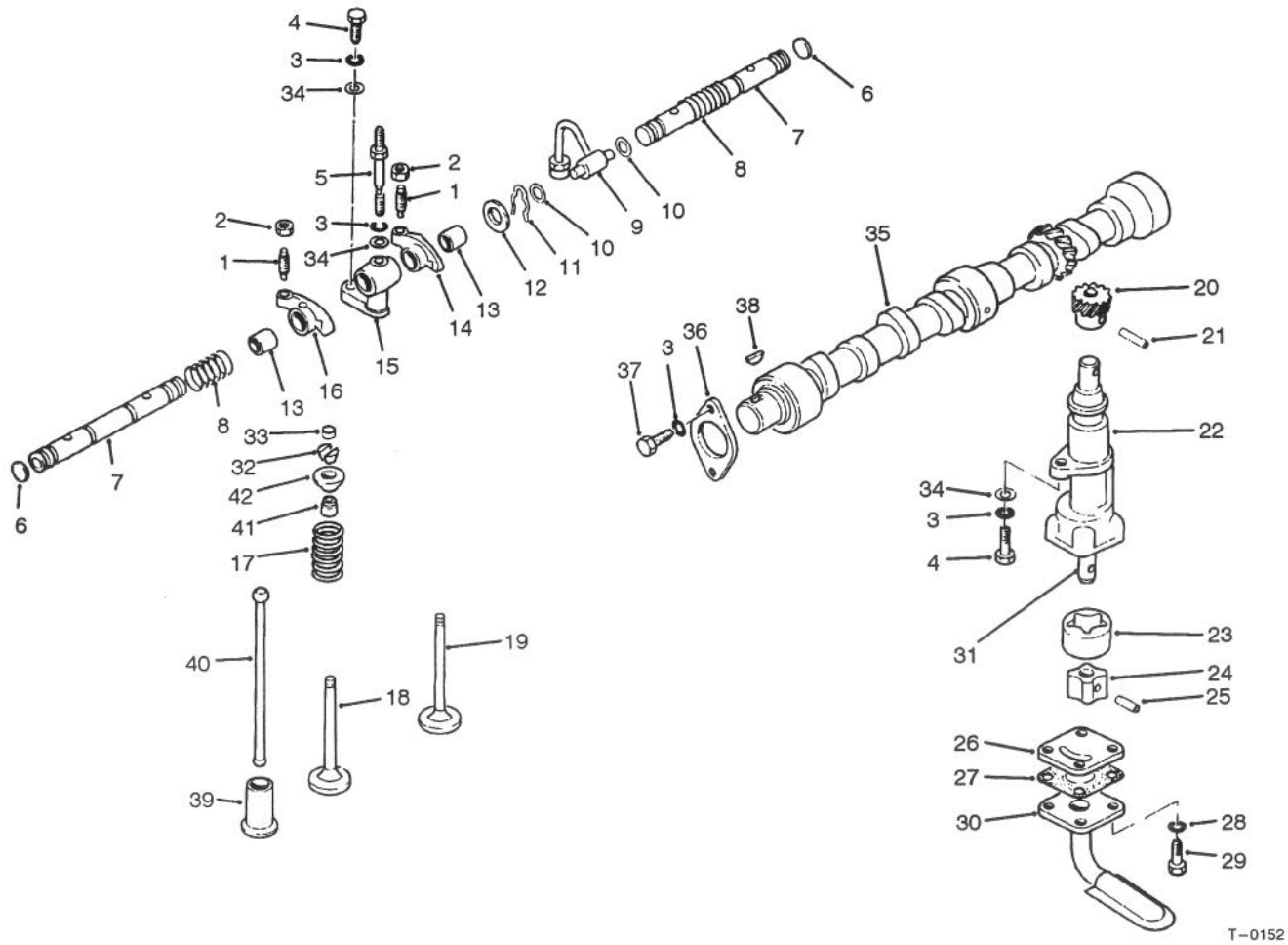
CYLINDER HEAD & PISTON COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	86–6520	Switch – Temp. Warning	1
2	51–5030	Bolt – Cylinder Head	5
3	51–5040	Bolt – Cylinder Head	10
4	51–5050	Connector – Fitting	1
5	51–5410	Cover	1
6	51–5350	Cap – Oil Fill	1
7	51–5360	Nut – Cap	4
‡8	51–5370	Gasket	4
9	51–5380	Rocker Cover Assembly (Incl. Ref. #5,15–16)	1
10	59–7950	Switch – Cold Start	1
‡11	51–5420	Gasket – Rocker Cover	1
12	51–5530	Cap – Sealing	6
13	51–4940	Cap – Sealing	10
14	86–6200	Guide – Valve	8
‡15	51–5390	Washer – Sealing	1
16	51–5400	Connector	1
17	92–5262	Piston Ring Set Std.	1
*	92–5263	Piston Ring Set 0.5. 0.25mm	1
*	92–5264	Piston Ring Set 0.5. 0.50mm	1
18	51–6190	Ring – Snap	8
19	92–5259	Piston Std.	4
*	92–5260	Piston .05 0.25mm	4
*	92–5261	Piston .05 0.5mm	4

Ref. No.	Part No.	Description	No. Used
20	51–6200	Connecting Rod Assembly (Incl. Ref. #21, 23, 25 & 26)	4
21	51–6220	Bolt	8
22	51–6180	Pin – Piston	4
23	51–6210	Bushing	4
24	51–6240	Bearing – Connecting Rod (Std.)	8
*	51–8190	Bearing – Connecting Rod U.S. 0.25mm	8
*	51–8200	Bearing – Connecting Rod U.S. 0.50mm	8
*	51–8210	Bearing – Connecting Rod U.S. 0.75mm	8
†25		Cap – Connecting Rod	4
26	51–6230	Nut	8
27	51–4970	Insert – Valve Seat, Exhaust	4
28	51–4980	Insert – Valve Seat, Inlet	4
29	92–5265	Jet – Combustion Std.	4
‡30	92–5266	Gasket – Cylinder Head	1
31	92–5267	Cylinder Head Assembly (Incl. Ref. #12–14 & 27–29)	1
32	51–6890	Gasket	1
33	63–4740	Bolt –Cylinder Head	2

*Not Illustrated †Not Serviceable Separately ‡Included in Engine Gasket Kit

Note: Dimensions listed in millimeters to convert to inches; divide mm by 25.4.

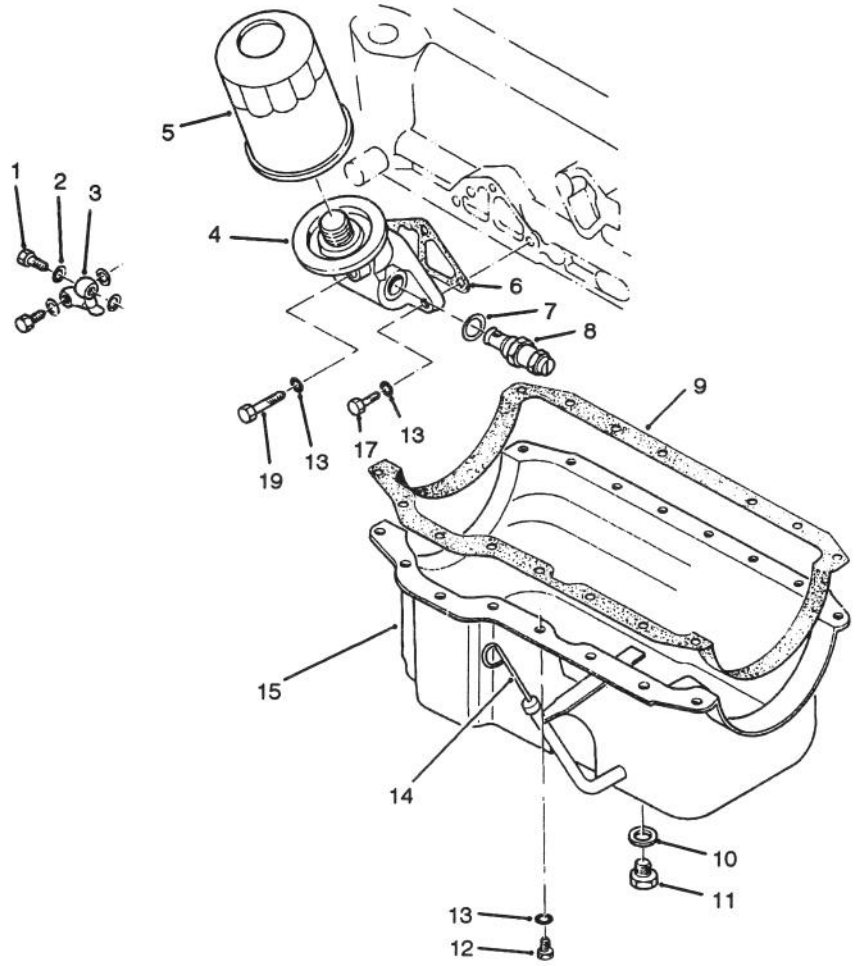


VALVE, CAMSHAFT & PUMP COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	51–5130	Screw – Adjusting	8
2	51–5210	Nut – Jam	8
3	51–7250	Washer – Spring	11
4	60–7370	Bolt	5
5	51–5190	Bolt	4
6	51–5090	Plug – Expansion	2
7	51–5080	Rocker Shaft Assembly (Incl. Ref. #6)	2
8	51–5100	Spring – Rocker Shaft	2
9	51–5250	Pipe – Oil	1
‡10	51–5240	Seal – O–Ring	2
11	51–5260	Ring – Snap	4
12	51–5270	Washer	4
13	51–5120	Bushing – Rocker	8
14	51–5200	Rocker Assembly (Incl. Ref. #1, 2 & 13)	4
15	51–5150	Bracket – Rocker Shaft	4
16	51–5110	Rocker Assembly (Incl. Ref. #1, 2 & 13)	4
17	51–5320	Spring – Valve	8
18	51–5340	Valve – Inlet	4
19	51–5330	Valve – Exhaust	4
20	51–6680	Gear – Pump Drive	1
21	51–6690	Pin	1

Ref. No.	Part No.	Description	No. Used
22	51–6670	Oil Pump Assembly (Incl. Ref. #20, 21, 23–26, 28–29 & 31)	1
†23		Rotor – Outer	1
†24		Rotor – Inner	1
†25		Pin	1
26	51–6720	Cover – Oil Pump Case	1
‡27	51–6760	Gasket	1
28	51–7400	Washer – Spring	4
29	60–7290	Bolt	4
30	51–6750	Strainer – Oil	1
†31		Shaft – Pump Main	1
32	51–5290	Keeper – Valve	16
33	51–5280	Cap	8
34	51–5160	Washer – Flat	9
35	51–5450	Camshaft	1
36	51–5470	Plate – Thrust	1
37	60–7110	Bolt	2
38	51–5460	Key – Woodruff	1
39	86–6220	Tappet	8
40	51–5430	Pushrod	8
41	51–5310	Seal – Valve Stem	8
42	86–6210	Retainer – Upper	8
*	51–6700	Oil Pump Rotor Assembly (Incl. Ref. #23–25 & 31)	1

*Not Illustrated
†Not Serviceable Separately ‡Included in Engine Gasket Kit



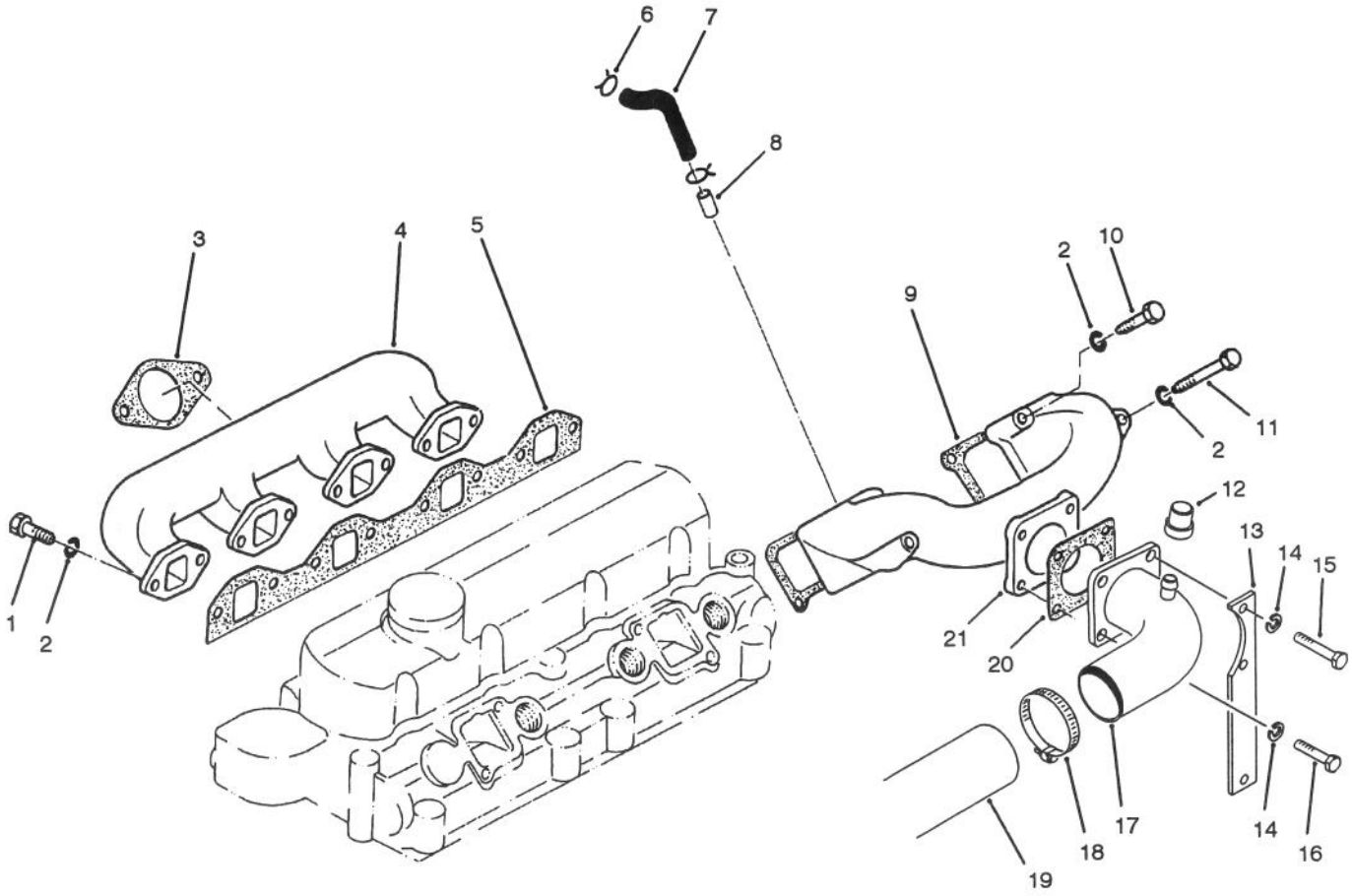
T–0153

OIL PAN & OIL FILTER

Ref. No.	Part No.	Description	No. Used
1	51–6880	Bolt – Joint	2
‡2	51–6890	Gasket	4
3	51–6900	Pipe – Oil	1
4	51–6800	Oil Filter Assembly (Incl. Ref. #5 & 7–8)	1
5	49–2500	Element – Filter	1
‡6	51–6870	Gasket	1
‡7	51–6820	Washer – Gasket	1
8	51–6830	Relief Valve Assembly	1
‡9	68–6410	Gasket	1

Ref. No.	Part No.	Description	No. Used
‡10	68–6430	Gasket	1
11	68–6420	Plug	1
12	60–7110	Bolt	16
13	51–7250	Washer – Spring	19
14	68–6440	Dipstick	1
15	68–6400	Oil Pan Assembly (Incl. Ref. #10 & 11)	1
17	60–7370	Bolt	2
19	60–7360	Bolt	1

‡Included in Engine Gasket Kit



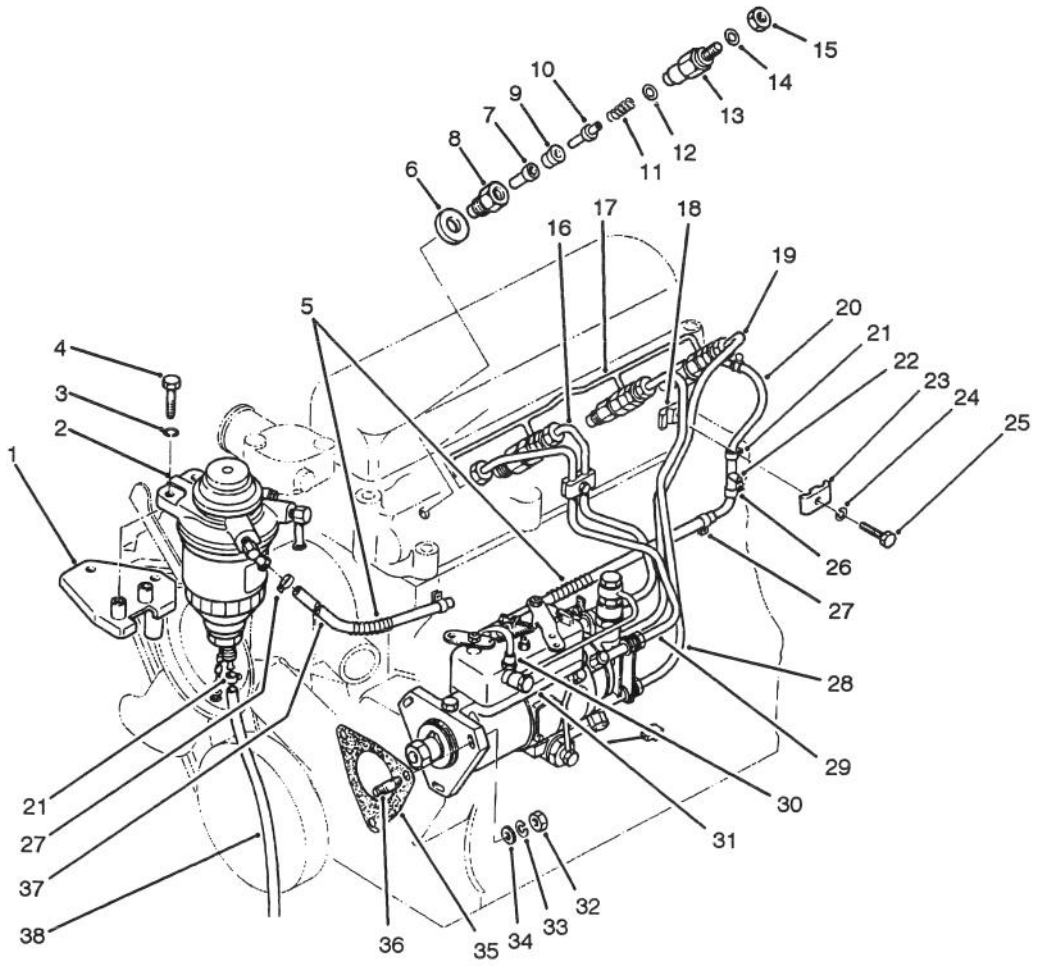
T–1686

INTAKE & EXHAUST MANIFOLD

Ref. No.	Part No.	Description	No. Used
1	60–7280	Bolt	8
2	51–7250	Washer – Spring	12
‡3	51–6630	Gasket – Exhaust Pipe	1
4	51–6620	Manifold – Exhaust	1
‡5	51–6660	Gasket – Exhaust Manifold	1
6	51–6600	Clamp	2
7	51–7190	Hose – Rubber	1
8	51–7170	Pipe	1
‡9	51–6500	Gasket – Intake Manifold	2
10	60–7040	Bolt	2
11	60–7300	Bolt	2

Ref. No.	Part No.	Description	No. Used
12	69–1940	Indicator – Electrical	1
13	92–4754	Bracket – Cable	1
14	43–5930	Washer – Lock	4
15	48–7630	Screw – Cap Hex. Hd.	2
16	48–7620	Screw – Cap Hex. Hd.	2
17	92–4731	Pipe – Intake	1
18	2412–42	Clamp – Hose	1
19	92–4752	Hose – Intake	1
‡20	51–6550	Gasket – Intake Pipe	1
21	51–6540	Manifold – Inlet	1

‡Included in Engine Gasket Kit



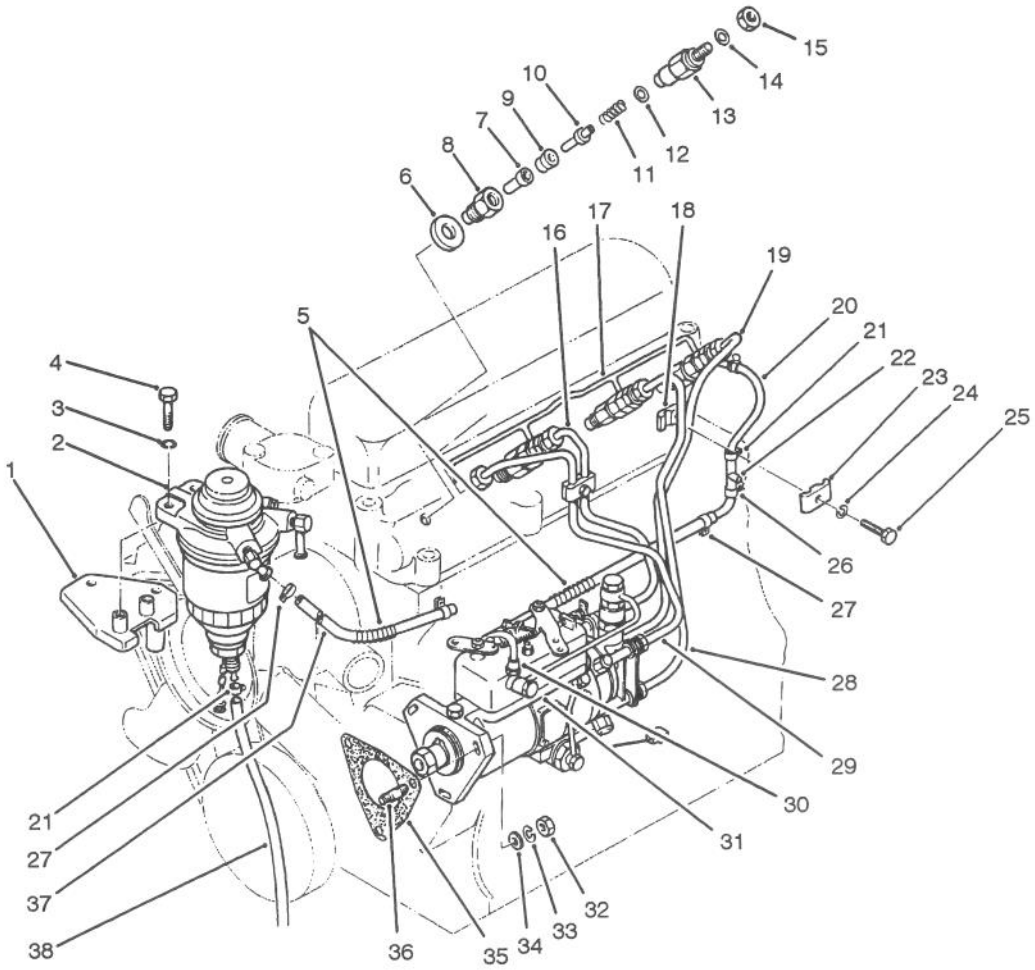
T–0155

INJECTION PUMP & NOZZLE COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	60–5000	Bracket	1
2	60–5010	Fuel Filter Assembly	1
3	51–7250	Washer	2
4	60–7050	Bolt	2
5	60–5030	Wrap – Spiral	2
‡6	72–0140	Gasket	4
7	72–0160	Nozzle Tip Assembly	4
8	72–0270	Nut – Retaining	4
9	72–0280	Spacer	4
10	72–0290	Pin – Pressure	4
11	72–0300	Spring – Pressure	4
12	51–7490	Shim – 1.0mm	A/R
*	51–8390	Shim – 1.05mm	A/R
*	51–8400	Shim – 1.10mm	A/R
*	51–8410	Shim – 1.15mm	A/R
*	51–8420	Shim – 1.20mm	A/R
*	51–8430	Shim – 1.25mm	A/R
*	51–8440	Shim – 1.30mm	A/R
*	51–8450	Shim – 1.35mm	A/R
*	51–8460	Shim – 1.40mm	A/R
*	51–8470	Shim – 1.45mm	A/R
*	51–8480	Shim – 1.50mm	A/R
*	51–8490	Shim – 1.55mm	A/R
*	51–8500	Shim – 1.60mm	A/R
*	51–8510	Shim – 1.65mm	A/R

Ref. No.	Part No.	Description	No. Used
*12	51–8520	Shim – 1.70mm	A/R
*	51–8530	Shim – 1.75mm	A/R
*	51–8540	Shim – 1.80mm	A/R
*	51–8550	Shim – 1.85mm	A/R
*	51–8560	Shim – 1.90mm	A/R
*	51–8570	Shim – 1.95mm	A/R
13	72–0320	Nozzle – Body	4
14	72–0330	Packing	4
15	72–0310	Nut	4
*	72–0150	Nozzle Assembly (Complete) (Incl. Ref. #7–15)	4
16	72–0180	Pipe – Injector No. 2	1
17	72–0210	Pipe – Fuel Leak–Off	1
18	60–5090	Clamp – Lower	2
19	72–0200	Pipe – Injector No. 4	1
20	60–5150	Hose – Rubber	1
21	60–5160	Clip	3
22	60–5170	Connector	1
23	60–5210	Clamp – Upper	2
24	51–7400	Washer – Spring	2
25	60–7290	Bolt	2
26	60–5180	Clip	1
27	60–5020	Clip	4
28	72–0190	Pipe – Injector No.3	1

*Not Illustrated
‡Included in Engine Gasket Kit



T–0155

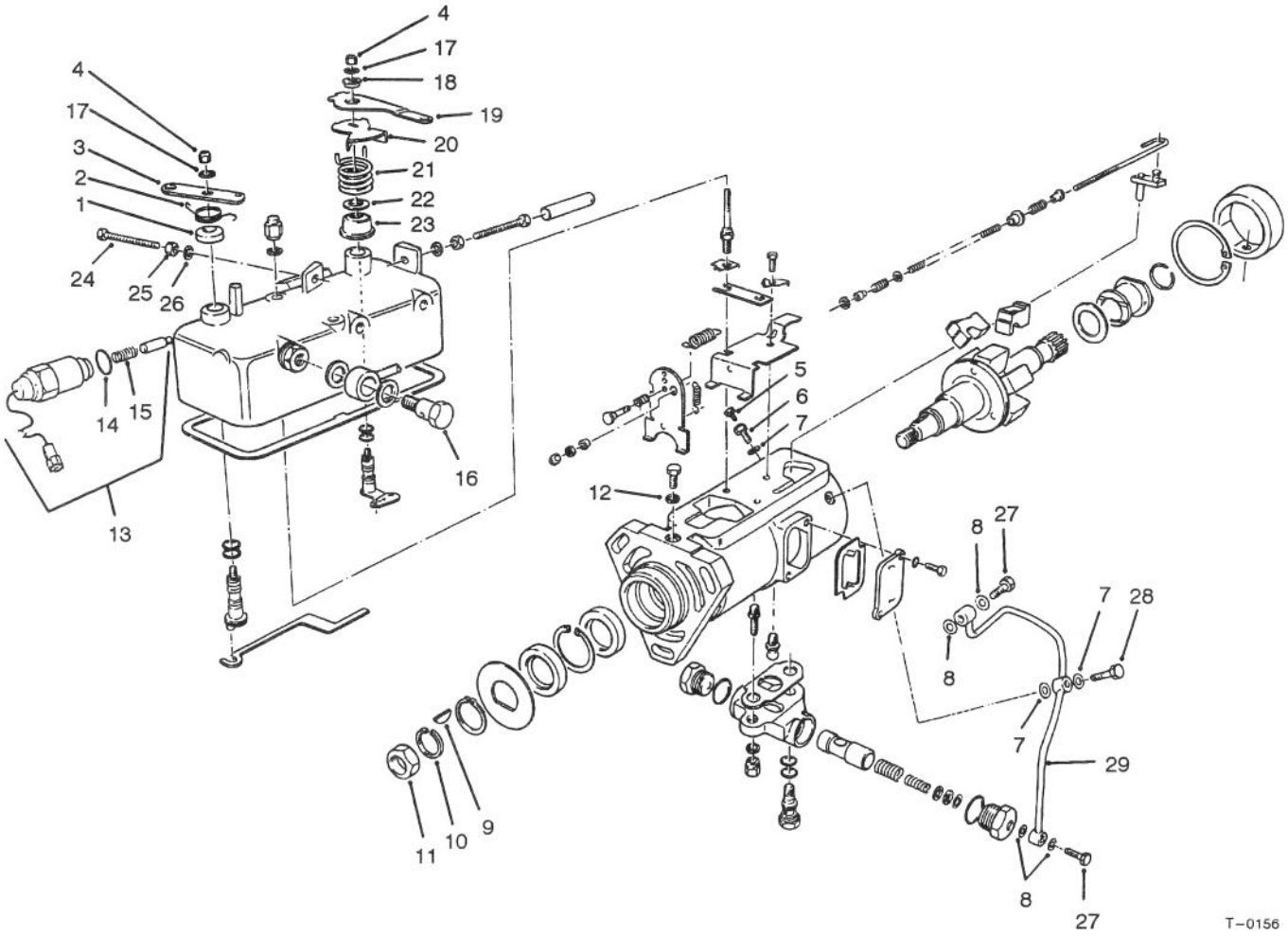
INJECTION PUMP & NOZZLE COMPONENTS (Continued)

Ref. No.	Part No.	Description	No. Used
29	72–0170	Pipe – Injector No. 1	1
30	60–5070	Pipe – Fuel	1
31	60–5100	Injection Pump Assembly (Complete)	1
32	60–7120	Nut	3
33	51–7250	Washer – Spring	3

Ref. No.	Part No.	Description	No. Used
34	86–6380	Washer	3
‡35	60–7190	Gasket	1
36	86–6390	Stud	3
37	60–5040	Hose – Fuel Feed	1
38	60–2780	Tube – Drain	1

‡Included in Engine Gasket Kit

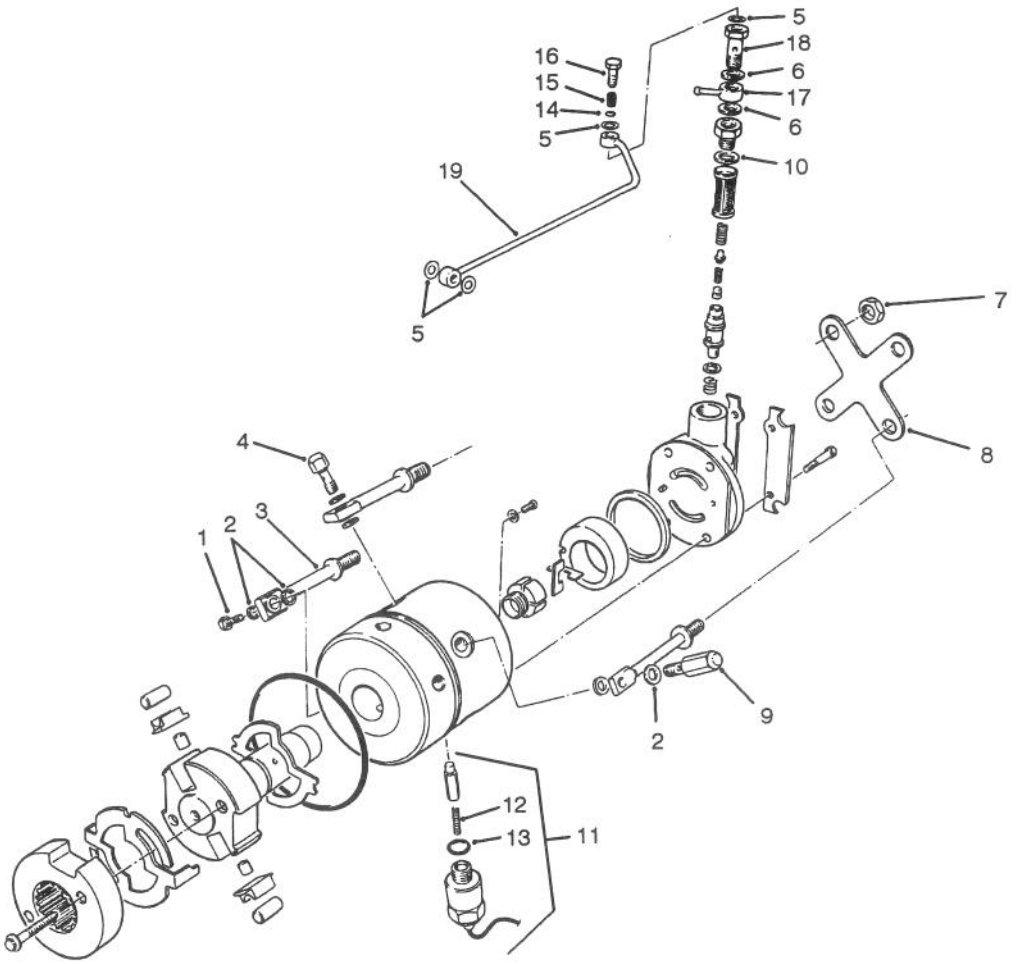
3316–446



FUEL INJECTION PUMP NO. 60–5100

Ref. No.	Part No.	Description	No. Used
1	86–6760	Guide	1
2	63–4560	Spring	1
3	63–4570	Lever	1
4	63–4580	Nut	2
5	63–4590	Screw – Vent	1
6	63–4600	Body – Screw Vent	1
7	63–4610	Washer	3
8	63–4620	Washer	4
9	63–4630	Key	1
10	63–4640	Washer – Lock	1
11	60–7260	Nut – Hex	1
12	60–3060	Washer	1
13	60–3160	Solenoid (Incl. Ref. #14 & 15)	1
14	60–3150	Sealing Ring	1
15	60–3140	Spring	1

Ref. No.	Part No.	Description	No. Used
16	86–6650	Bolt – Outlet	1
17	86–6750	Washer	2
18	86–6700	Bushing	1
19	86–6690	Lever	1
20	86–6710	Arm	1
21	86–6730	Spring	1
22	86–6720	Washer	1
23	86–6740	Guide	1
24	86–6770	Screw	1
25	86–6680	Nut	1
26	86–6790	Washer	1
27	86–6820	Bolt	2
28	86–6800	Bolt	1
29	86–6810	Pipe Assembly	1
*	86–6680	Lever Assembly (Incl. Ref. #17–23)	1

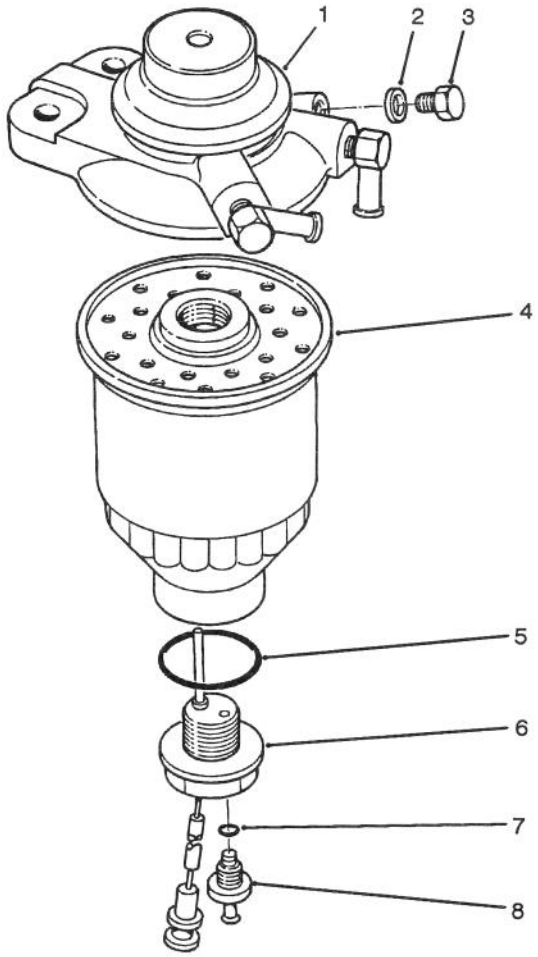


T–0157

FUEL INJECTION PUMP NO. 60–5100 (Continued)

Ref. No.	Part No.	Description	No. Used
1	60–3070	Valve – Pressure	1
2	60–3060	Washer	8
3	60–3090	Banjo	4
4	63–4670	Valve – Pressure	2
5	63–4660	Washer	4
6	63–4650	Washer	2
7	60–3120	Nut	4
8	60–3130	Plate – Clamping	1
9	60–3100	Valve – Pressure	1
10	60–3110	Washer	1

Ref. No.	Part No.	Description	No. Used
11	60–3160	Solenoid (Incl. Ref. #12 & 13)	1
12	60–3140	Spring	1
13	60–3150	Ring – Sealing	1
14	86–6640	Seal O–Ring	1
15	86–6630	Seal – Rubber	1
16	86–6620	Bolt	1
17	86–6660	Joint	1
18	86–6610	Bolt – Inlet	1
19	86–6670	Tube – Fuel	1



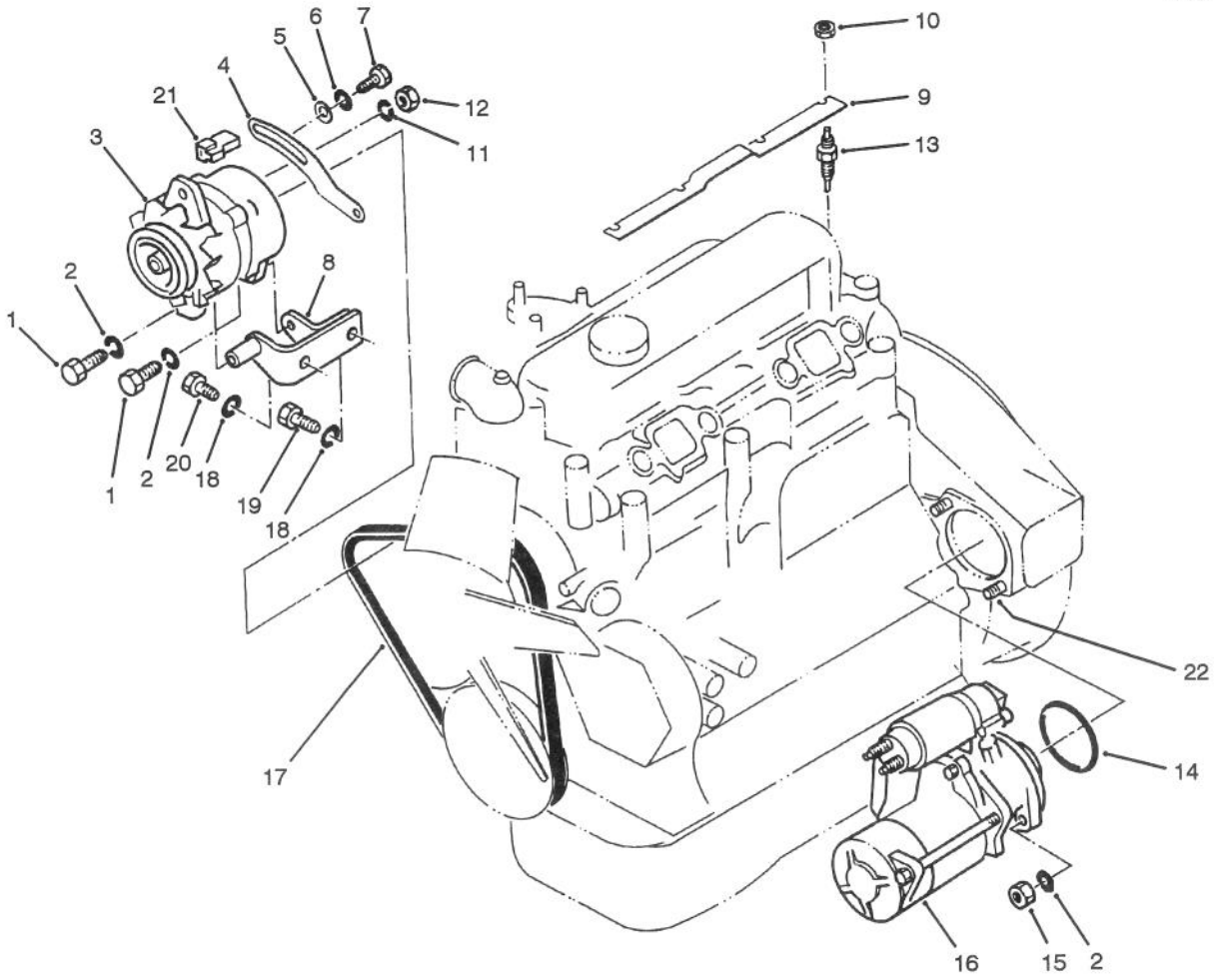
T–0158

FUEL FILTER ASSEMBLY NO. 60–5010

Ref. No.	Part No.	Description	No. Used
*1		Body Assembly	1
*2		Seal	1
3	60–5450	Plug – Air (Incl. Ref. #2)	1
4	60–5470	Filter Element Assembly (Incl. Ref. #5)	1

Ref. No.	Part No.	Description	No. Used
*5		O–Ring	1
6	60–5480	Sensor – Water	1
*7		O–Ring	1
8	60–5490	Kit – Drain Plug (Incl. Ref. #7)	1

*Not Serviceable Separately

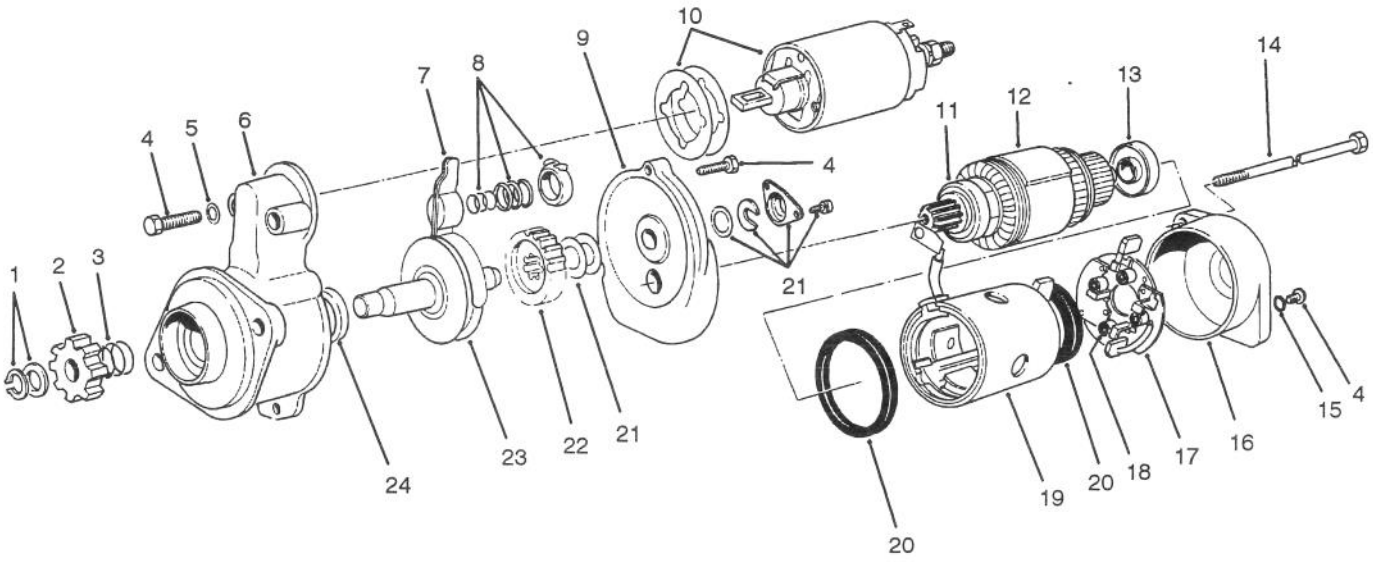


ELECTRICAL COMPONENT PARTS

Ref. No.	Part No.	Description	No. Used
1	51–8640	Bolt	2
2	51–6390	Washer – Spring	4
3	60–5421	Alternator	1
4	51–8580	Plate – Adjusting	1
5	51–8590	Washer – Flat	1
6	51–7250	Washer – Spring	1
7	60–7370	Bolt	1
8	51–8600	Bracket – Alternator	1
9	51–8650	Plate – Connection	1
*10		Nut	4
11	48–8000	Washer – Spring	1
12	48–7880	Nut	1

Ref. No.	Part No.	Description	No. Used
13	51–8660	Plug – Glow (Incl. Ref. #10)	4
‡14	60–5430	O–Ring	1
15	51–5970	Nut	2
16	51–7590	Motor – Starter	1
17	49–2520	Belt	1
18	51–8610	Washer – Spring	2
19	51–8620	Bolt	1
20	51–8630	Bolt	1
21	86–6400	Diode	1
22	51–5950	Stud	2

*Not Serviceable Separately
‡Included in Engine Gasket Kit



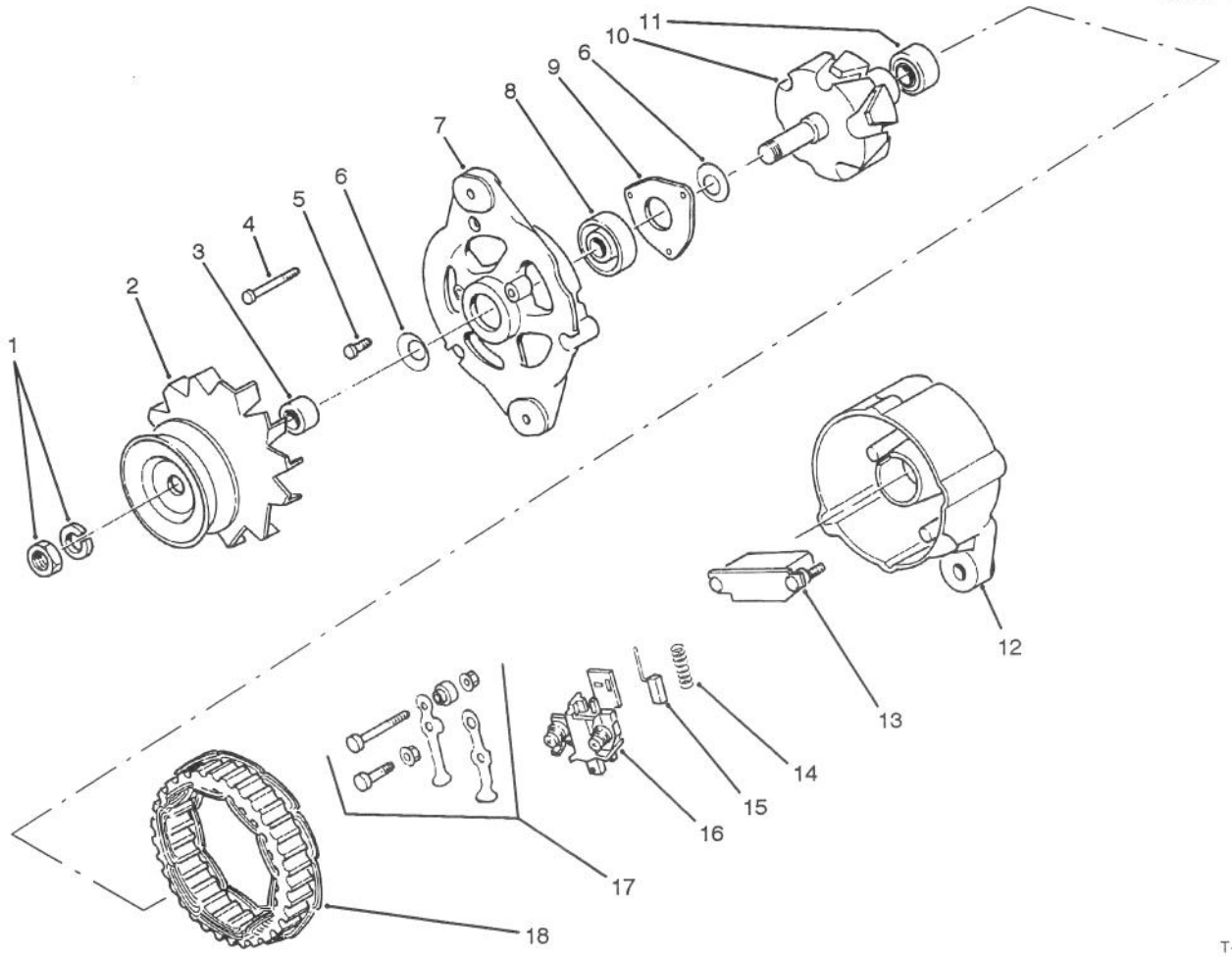
T–0160

STARTER MOTOR ASSEMBLY NO. 51–7590

Ref. No.	Part No.	Description	No. Used
1	51–7740	Retaining RingAssembly	1
2	51–7730	Pinion Gear Assembly (Incl. Ref. #1 & 3)	1
†3		Spring	1
4	51–7600	Screw – Set	1
5	51–7610	Packing	2
6	51–7620	Front Cover Assembly (Incl. Ref. #24)	1
7	51–7640	Lever Assembly	1
8	51–7650	Spring Assembly	1
9	51–7660	Center Bracket Assembly	1
10	51–7670	Solenoid	1
11	51–7690	Bearing	1
12	51–7680	Armature Assembly (Incl. Ref. #11 & 13)	1
13	51–7700	Bearing	1

Ref. No.	Part No.	Description	No. Used
14	51–7710	Bolt Set	1
15	51–7840	Ring – Rubber	2
16	51–7830	Cover – Rear	1
17	51–7810	Brush Holder Assembly (Incl. Ref. #18)	1
18	51–7820	Spring – Brush	4
19	51–7800	Yoke Assembly	1
20	51–7790	Packing	2
21	51–7780	Cover Set	1
22	51–7770	Gear – Pinion	1
23	51–7760	Shaft Assembly	1
24	51–7630	Seal – Oil	1
*	51–7750	Gear Assembly (Incl. Ref. #22 & 23)	1
*	51–7720	Clutch Shaft Assembly (Incl. Ref. #1–3 & 21–24)	1

*Not Illustrated
†Not Serviceable Separately



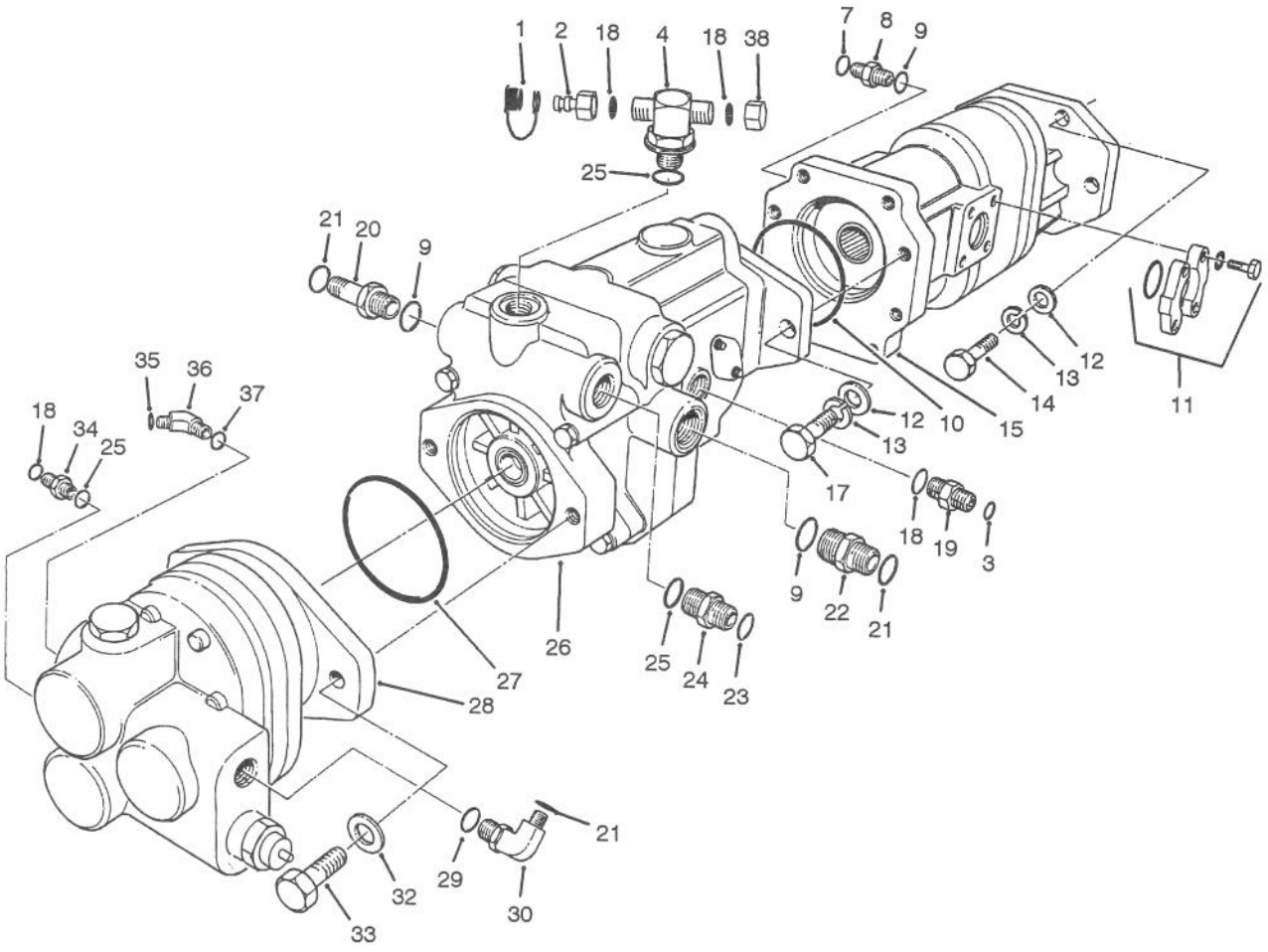
T–0161

ALTERNATOR ASSEMBLY NO. 60–5421

Ref. No.	Part No.	Description	No. Used
1	51–7850	Nut Assembly	1
2	60–5330	Pulley Assembly (Incl. Ref. #3)	1
†3		Collar – Shaft	1
4	51–7870	Screw – Set	1
5	51–7890	Screw – Set	1
†6		Spring Washer	2
7	60–5340	Front Cover Assembly (Incl. Ref. #5, 6, 8 & 9)	1
8	60–5350	Bearing	1
†9		Plate – Bearing Retainer	1

Ref. No.	Part No.	Description	No. Used
10	51–7910	Rotor Assembly (Incl. Ref. #11)	1
11	51–7920	Bearing	1
12	86–6430	Rear Cover Assembly (Incl. Ref. #13,16 & 17)	1
13	86–6440	Rectifier Assembly	1
14	51–7980	Spring – Return	2
15	51–7970	Brush	2
16	51–7960	Regulator Assembly (Incl. Ref. #14 & 15	1
17	51–7950	Terminal Assembly	1
18	51–7930	Stator	1

*Not Serviceable Separately

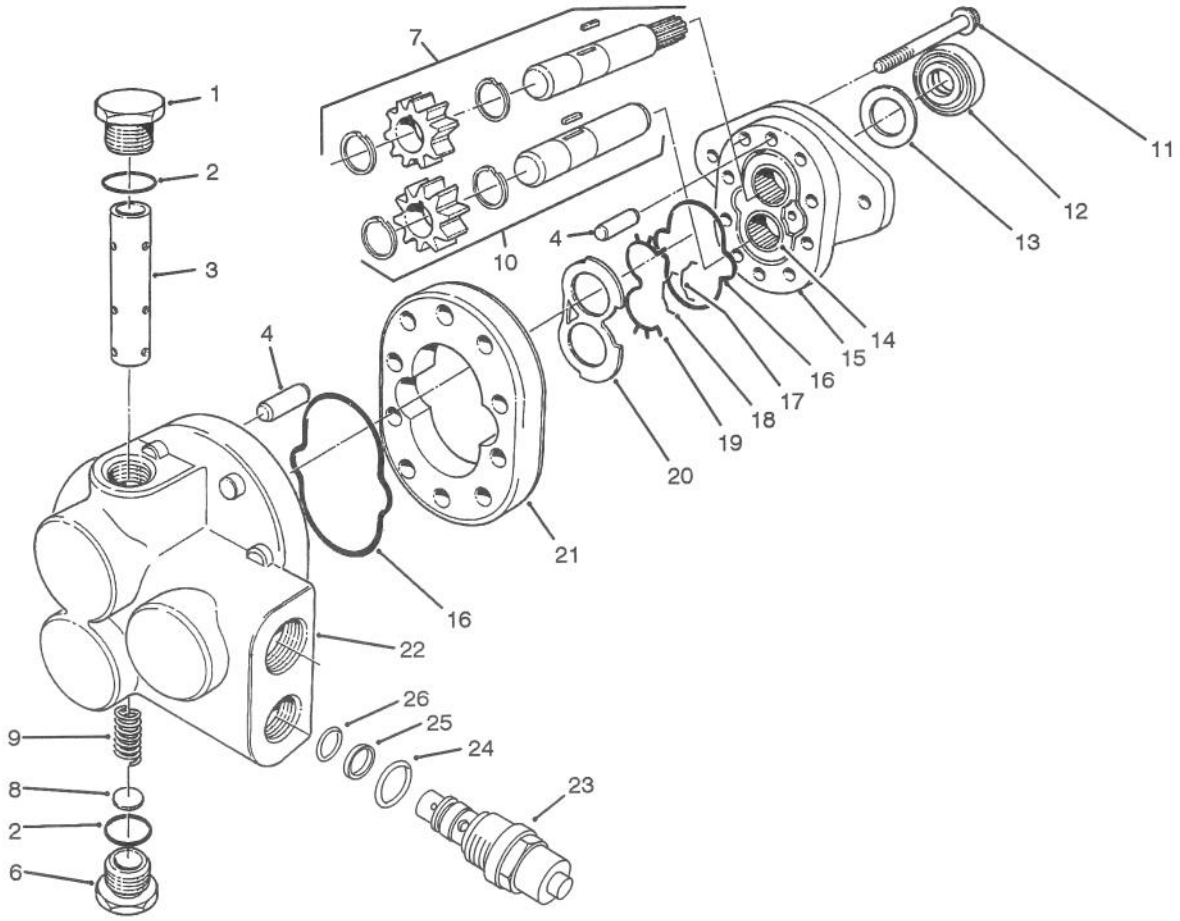


T–0162A

HYDRAULIC PUMP COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	353–947	Cap – Dust	1
2	86–5480	Fitting – Diagnostic	1
3	237–42	O–Ring	1
4	92–4799	Fitting – Hydraulic Tee (Incl. Ref. #18 & 25)	1
7	237–65	O–Ring	1
8	340–8	Fitting (Incl. Ref. #7 & 9)	1
9	237–81	O–Ring	3
10	59–8550	O–Ring	1
11	340–62	Kit – Flange	1
12	3256–26	Washer – Flat	6
13	3253–7	Washer – Lock	6
14	3213–2	Bolt	4
15	86–6000	Gear Pump Assembly (Incl. Ref. #10) (Model 03702)	1
15	86–6001	Gear Pump Assembly (Incl. Ref. #10) (Model 03703)	1
17	325–5	Bolt	2
18	237–22	O–Ring	4
19	340–2	Fitting (Incl. Ref. #3 & 18)	1

Ref. No.	Part No.	Description	No. Used
20	340–11	Fitting – Long (Incl. Ref. #9 & 21)	1
21	237–58	O–Ring	3
22	340–9	Fitting (Incl. Ref. #9 & 21)	1
23	237–30	O–Ring	1
24	340–4	Fitting (Incl. Ref. #23 & 25)	1
25	237–79	O–Ring	3
26	58–5660	Pump – Piston	1
27	60–3520	O–Ring	1
28	58–5650	Pump – Gear	1
29	237–146	O–Ring	1
30	340–15	Fitting 90° (Incl. Ref. #21 & 29)	1
32	60–3540	Washer	2
33	60–3530	Bolt	2
34	340–3	Fitting (Incl. Ref. #18 & 25)	1
35	237–30	O–Ring	1
36	340–89	Fitting 45° (Incl. Ref. #35 & 37)	1
37	237–80	O–Ring	1
38	340–117	Fitting – Hydraulic Cap	1



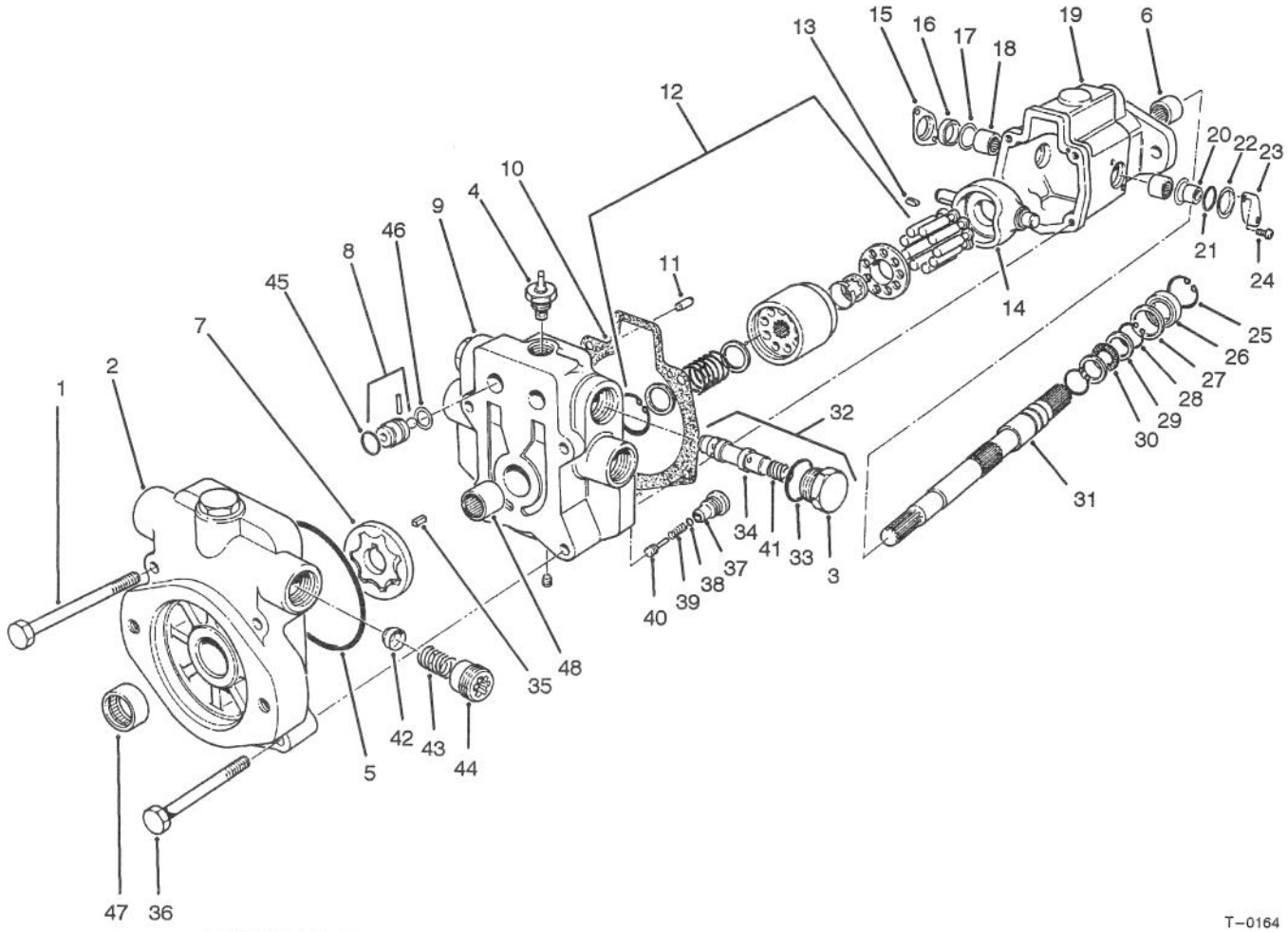
T–0163A

GEAR PUMP ASSEMBLY NO. 58–5650

Ref. No.	Part No.	Description	No. Used
1	60–5860	Plug (Incl. Ref. #2)	1
2	60–5720	O–Ring	2
†3		Spool	1
4	60–5760	Pin – Dowel	4
6	60–5710	Plug (Incl. Ref. #2)	1
7	60–5780	Drive Gear Assembly (Incl. Ref. #5–8)	1
8	60–5730	Disc	A/R
9	60–5820	Spring	1
10	60–5770	Idler Gear Assembly	1
11	42–3140	Screw – Cap Hex. Hd.	8
12	49–2640	Seal – Shaft	1
13	60–5890	Washer	1
14		Bushing	2
15	49–2660	Front Plate Assembly (Incl. Ref. #14)	1
16	42–3120	O–Ring	2

Ref. No.	Part No.	Description	No. Used
17	49–2680	O–Ring – Molded	1
18	49–2700	Seal – Bearing	1
19	49–2690	Gasket – Backup	1
20	49–2670	Plate – Wear	1
21	60–5740	Body Assembly (Incl. Ref. #4)	1
†22		Back Plate Assembly	1
23	92–9253	Assembly – Relief Valve (Incl. Ref. #24–26)	1
24	92–9255	O–Ring	1
25	92–9256	Washer – Back Up	1
26	92–9254	O–Ring	1
*	60–5910	Kit – Repair, Back Plate	1
*	60–5900	Kit – Seal Repair (Incl. Ref. #2, 12, 13, 16–20)	1
*	92–9257	Kit – Seal Repair (Incl. Ref. #24–26)	1

*Not Illustrated
†Not Serviceable Separately



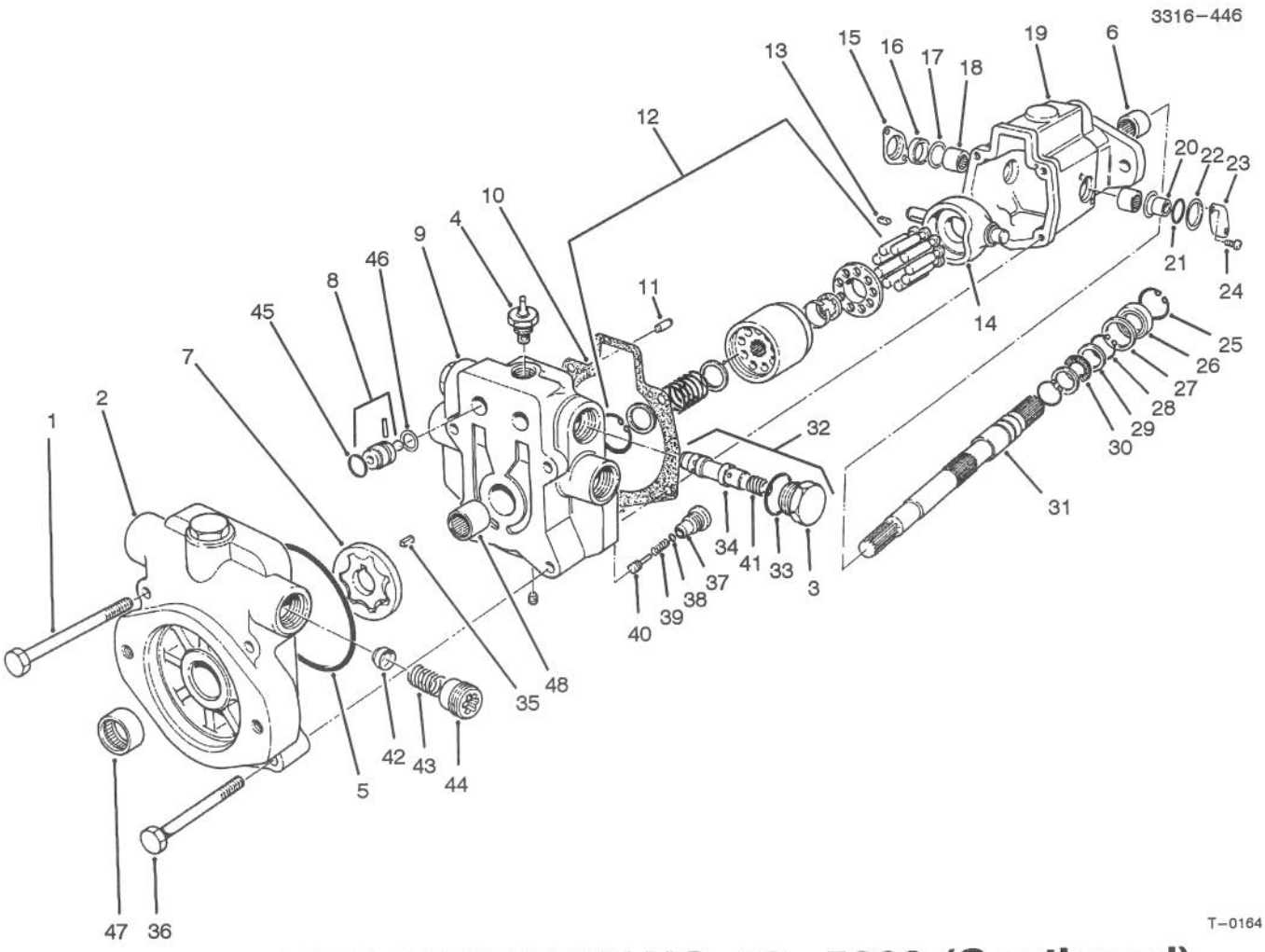
T–0164

PISTON PUMP ASSEMBLY NO. 58–5660

Ref. No.	Part No.	Description	No. Used
1	60–6230	Screw – Cap Hex. Hd.	2
2	60–6200	Charge Pump Adptr. Assy. (Incl. Ref. #42–44 & 47)	1
3	70–1240	Plug Assembly (Incl. Ref. #33)	2
†4	39–2080	Tow Valve Assembly	1
5	60–6180	O–Ring	1
6	63–4390	Bearing – Needle	1
7	60–6350	Gerotor Gear Assembly	1
8	33–4970	Check Valve Assembly (Incl. Ref. #45 & 46)	2
9	60–6040	Back Plate Assembly (Incl. Ref. #4, 37–40 & 48)	1
10	60–6130	Gasket – Housing	1
11	60–6370	Pin – Dowel	2
12	60–6030	Rotating Kit Assembly	1
13	60–6310	Key	1
14	60–6020	Camplate	1
15	60–6120	Cover – Seal	1
16	42–2720	Seal – Shaft	1
17	60–6250	Washer	2
18	60–6110	Bearing – Needle	2
19	60–6000	Housing Assembly (Incl. Ref. #6)	1
20	60–5990	Race – Inner	1

Ref. No.	Part No.	Description	No. Used
21	60–6190	O–Ring	1
22	60–6210	Cover – O–Ring	1
23	60–6010	Cover – Trunion	1
24	60–6330	Screw	4
25	60–6260	Ring – Retaining	1
26	60–6300	Seal – Shaft	1
27	60–6240	Washer	1
28	60–6270	Ring – Retaining	2
29	60–6160	Race – Thrust	2
30	60–6170	Bearing – Needle, Thrust	1
31	60–6140	Shaft – Drive	1
32	68–6460	Kit – Relief Valve (Incl. Ref. #3, 34 & 41)	2
33	60–5980	O–Ring	2
34		Relief Valve Assembly	2
35	60–6320	Key	1
36	60–6220	Screw – Cap Hex. Hd.	2
37	60–6060	Cartridge	1
38	60–6080	O–Ring	1
39	60–6090	Spring	1
40	60–6070	Poppet	1
41		Spring	1
42	33–4990	Poppet	1
43	39–2140	Spring	2
44	39–2130	Retainer – Spring	1

*Not Illustrated
†Used on Units With Pump Serial No. 70591 & Up

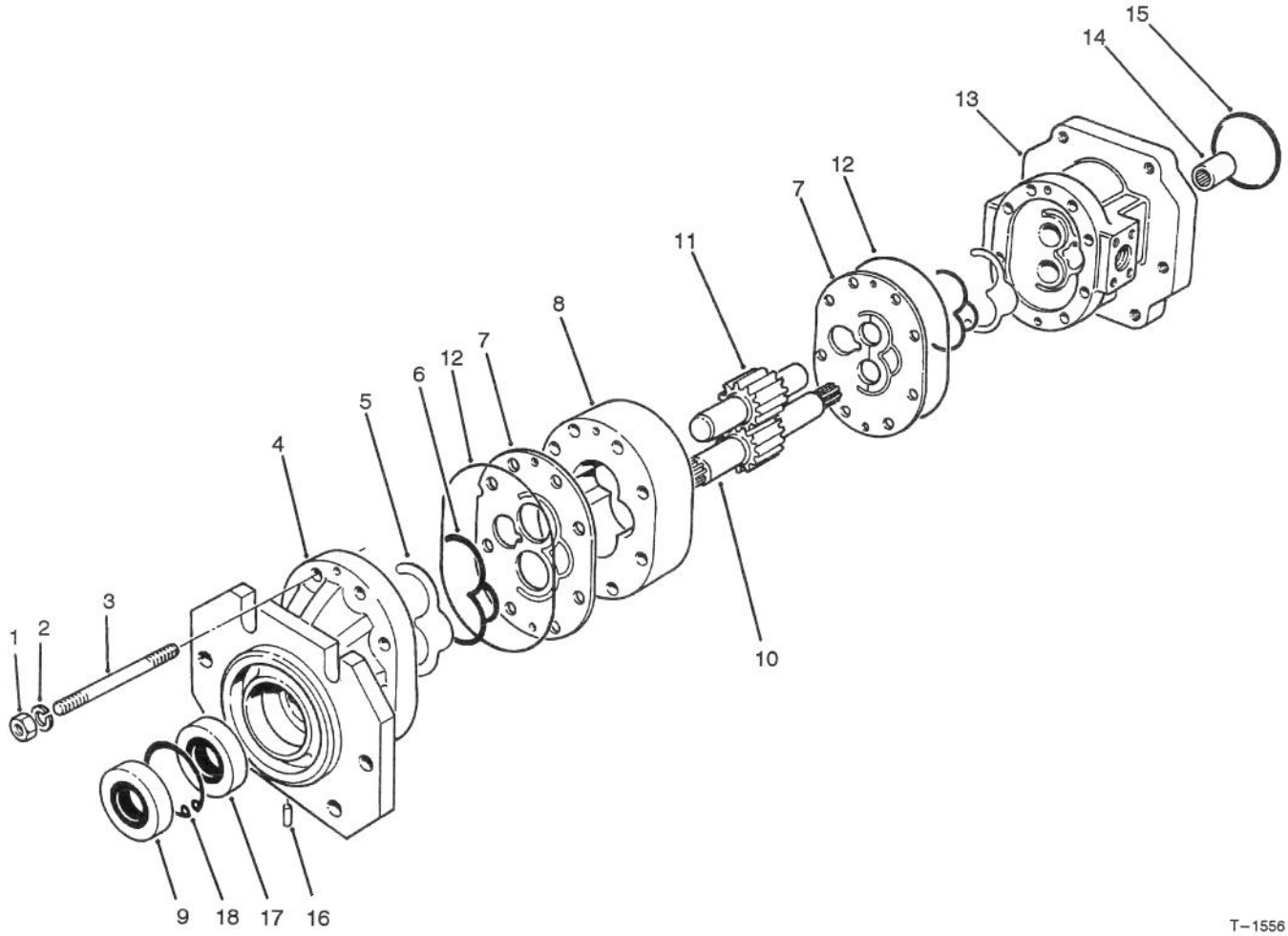


PISTON PUMP ASSEMBLY NO. 58–5660 (Continued)

Ref. No.	Part No.	Description	No. Used
45	237–114	O–Ring	2
46	60–5950	Washer – Backup	2
47	60–6150	Bearing	1
48	60–6050	Bearing	1

Ref. No.	Part No.	Description	No. Used
*	60–6400	Kit – Seal (Incl. Ref. #5, 10, 16, 21, 26, 28, 29, 33, 38, 45 & 46)	1
*	60–6360	Kit – Charge Relief Spring	1
*	60–6340	Kit – Bleed–Off Valve	1

*Not Illustrated



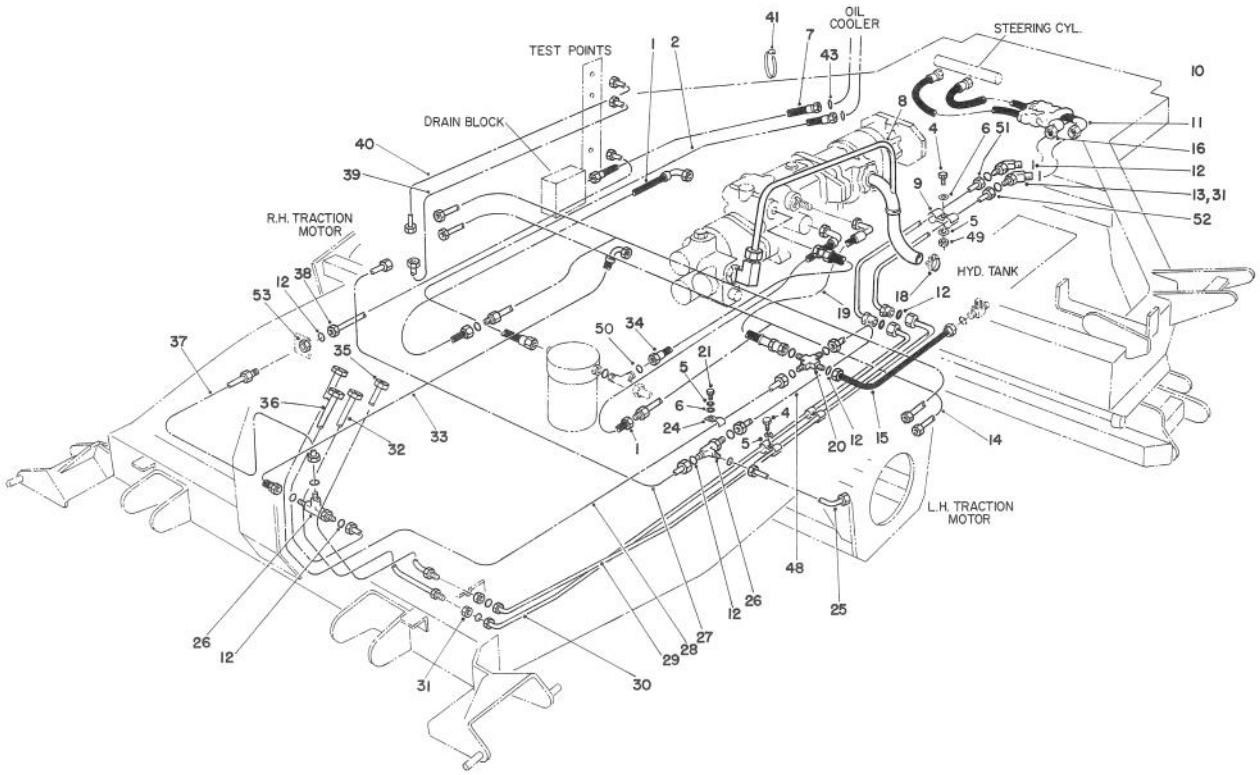
T–1556

PUMP ASSEMBLY NO. 86–6000 (Model 03702) & 86–6001 (Model 03703)

Ref. No.	Part No.	Description	No. Used
1	59–7580	Nut	8
2	59–7590	Washer – Lock	8
3	59–7970	Stud (Model 03702)	8
*	74–3210	Stud (Model 03703)	8
4	86–6010	Cover – Front	1
5	59–7990	Seal – Gland	2
6	59–8470	Retainer – Seal	2
7	86–6070	Plate – Wear	2
8	86–6020	Center S/A Section (Model 03702)	1
*	86–6060	Center S/A Section (Model 03703)	1
9	59–8590	Seal – Shaft	1

Ref. No.	Part No.	Description	No. Used
10	59–8500	Drive Gear – Spline (Model 03702)	1
*	74–3230	Drive Gear – Spline (Model 03703)	1
11	59–8600	Driven Gear (Model 03702)	1
11	74–3240	Driven Gear (Model 03703)	1
12	86–6080	O–Ring Seal	2
13	86–6030	Port Section – Rear	1
14	59–8540	Coupling	1
15	86–6040	O–Ring	1
16	86–6050	Plug	1
17	59–8570	Seal – Shaft	1
18	59–8580	Ring – Retaining	1
*	86–6450	Kit – Seal (Incl. Ref. #5, 6, 9 & 17)	1

*Not Illustrated



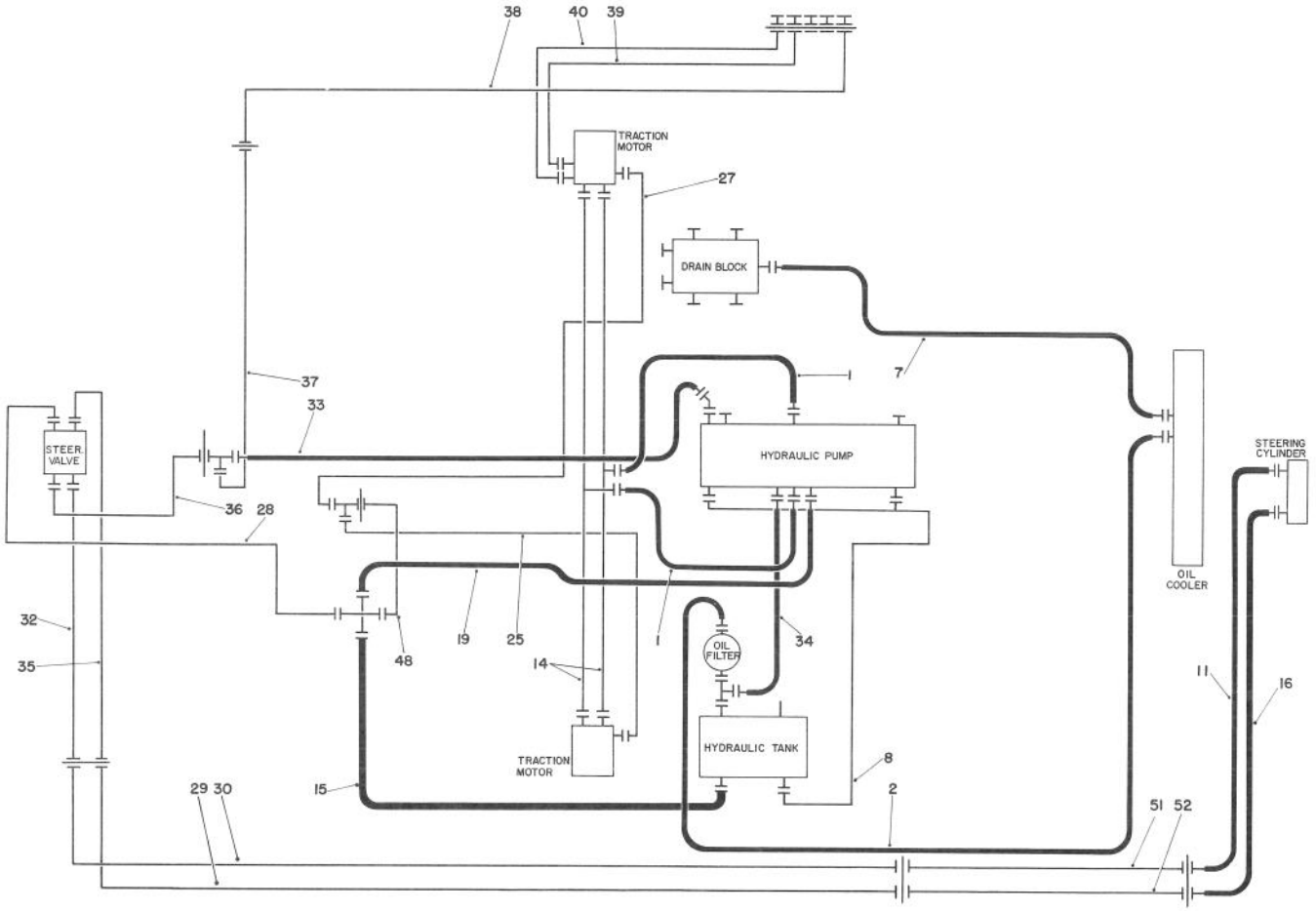
T–0166

HYDRAULIC CIRCUIT – TRACTION & STEERING

Ref. No.	Part No.	Description	No. Used
1	58–5860	Hose Assembly	2
2	75–8200	Hose Assembly	1
4	48–7640	Screw – Cap Hex. Hd.	4
5	43–5930	Washer – Lock	5
6	48–8010	Washer	3
7	75–8210	Hose Assembly	1
8	60–1900	Tube Assembly	1
9	58–3880	Clamp	3
10	60–2010	Sleeve – Protective	1
11	82–9841	Hose Assembly	1
12	237–22	O–Ring	22
13	340–69	Fitting – Hydraulic Bulkhead (Incl. Ref. #12 & 31)	2
14	58–5690	Tube Assembly	2
15	92–4725	Hose Assembly	1
16	82–9840	Hose Assembly	1
18	2412–132	Clamp	1
19	60–1250	Hose Assembly	1
20	340–23	Fitting – Hydraulic Cross (Incl. Ref. #12)	1
21	48–7690	Screw – Cap Hex. Hd.	1
22	48–8020	Washer – Lock	1
24	60–1360	Clamp	1
25	58–4790	Tube Assembly	1
26	340–68	Fitting – Hydraulic Tee (Incl. Ref. #12)	2

Ref. No.	Part No.	Description	No. Used
27	58–4860	Tube Assembly	1
28	74–2820	Tube Assembly	1
29	68–6310	Tube Kit (Incl. Ref. #12 & 52)	1
30	68–6340	Tube Kit (Incl. Ref. #12 & 51)	1
31	340–70	Nut – Bulkhead	4
32	74–2780	Tube Assembly	1
33	58–5720	Hose Assembly	1
34	58–5870	Hose Assembly	1
35	74–2810	Tube Assembly	1
36	74–2790	Tube Assembly	1
37	58–7780	Tube Assembly (Incl. Ref. #12)	1
38	58–7750	Tube Assembly	1
39	58–7770	Tube Assembly	1
40	58–7760	Tube Assembly	1
41	48–4480	Strap – Tie	3
43	340–65	O–Ring	2
48	58–4710	Tube Assembly	1
49	48–7890	Nut – Hex	1
50	237–30	O–Ring	1
†51		Tube Assembly	1
†52		Tube Assembly	1
53	340–78	Nut – Bulkhead	1

†Not Serviced Separately



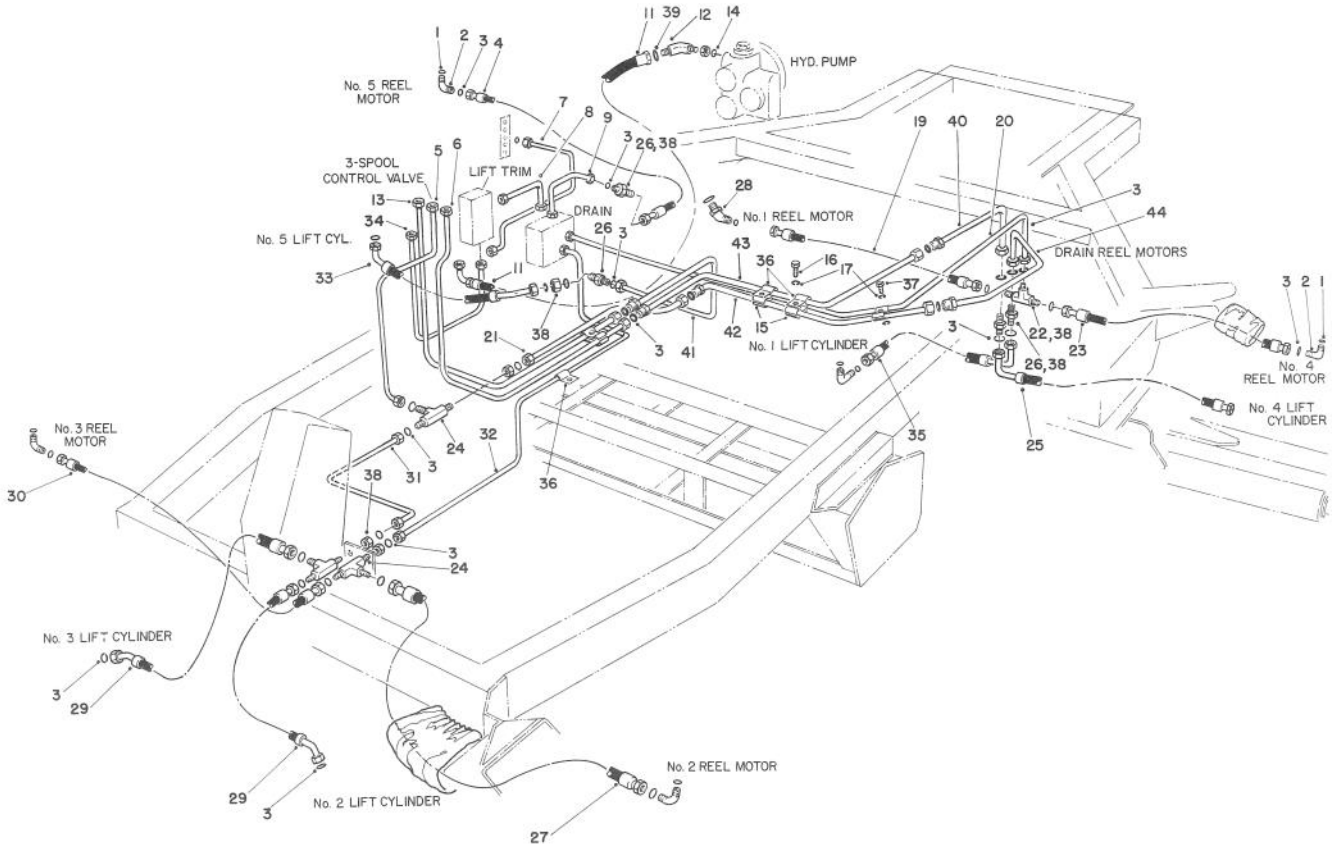
T–0167

HYDRAULIC SCHEMATIC – TRACTION & STEERING

Ref. No.	Part No.	Description	No. Used
1	58–5860	Hose Assembly	2
2	75–8200	Hose Assembly	1
7	75–8210	Hose Assembly	1
8	60–1900	Tube Assembly	1
11	82–9841	Hose Assembly	1
14	58–5690	Tube Assembly	2
15	92–4725	Hose Assembly	1
16	82–9840	Hose Assembly	1
19	60–1250	Hose Assembly	1
25	58–4790	Tube Assembly	1
27	58–4860	Tube Assembly	1
28	74–2820	Tube Assembly	1
29	68–6310	Tube Kit (Incl. Ref. #12 & 52)	1

Ref. No.	Part No.	Description	No. Used
30	68–6340	Tube Kit (Incl. Ref. #12 & 51)	1
32	74–2780	Tube Assembly	1
33	58–5720	Hose Assembly	1
34	58–5870	Hose Assembly	1
35	74–2810	Tube Assembly	1
36	74–2790	Tube Assembly	1
37	58–7780	Tube Assembly	1
38	58–7750	Tube Assembly	1
39	58–7770	Tube Assembly	1
40	58–7760	Tube Assembly	1
48	58–4710	Tube Assembly	1
†51		Tube Assembly	1
†52		Tube Assembly	1

*Not Illustrated
†Not Serviced Separately



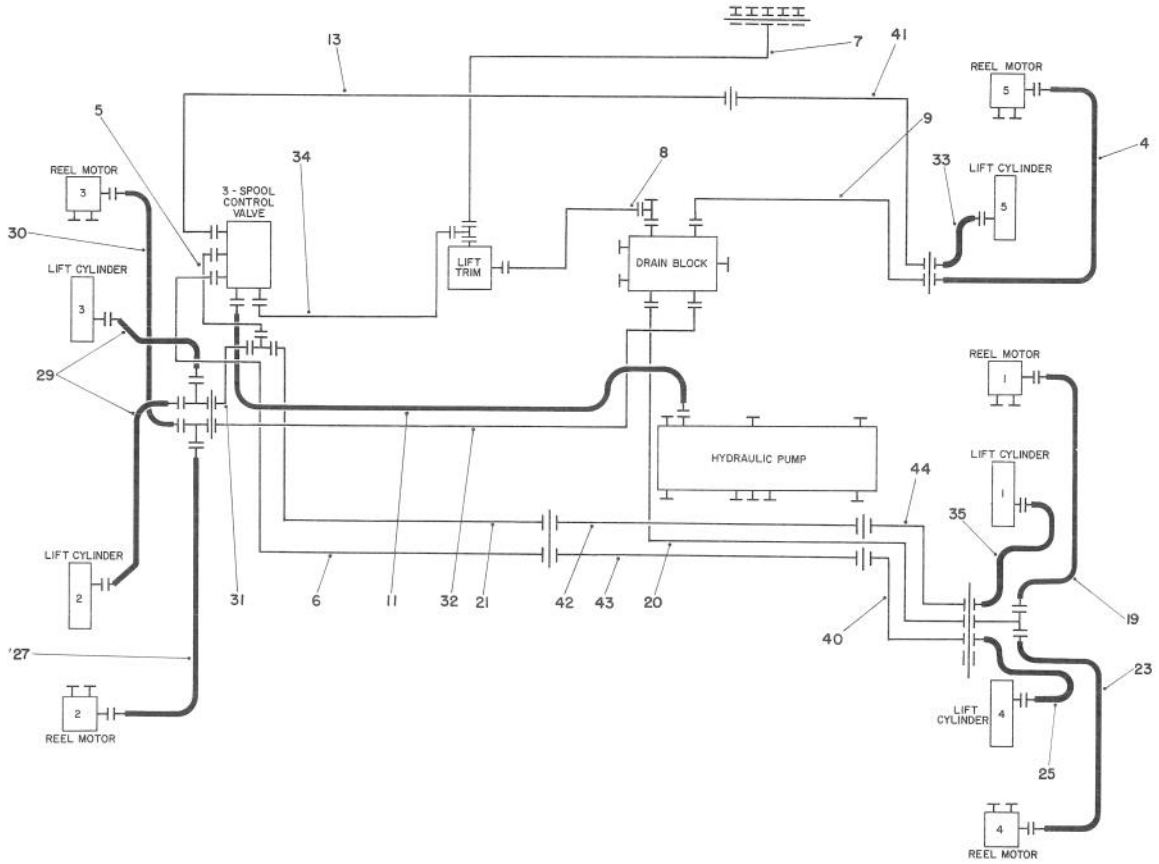
T–0168

HYDRAULIC CIRCUIT – LIFT ARMS

Ref. No.	Part No.	Description	No. Used
1	237–42	O–Ring	7
2	340–77	Fitting – Hydraulic 90° (Incl. Ref. #1 & 3)	4
3	237–22	O–Ring	31
4	84–6240	Hose Assembly	1
5	58–4750	Tube Assembly	1
6	68–6230	Tube Kit (Incl. Ref. #3, 40 & 43)	1
7	58–7730	Tube Assembly	1
8	63–4680	Tube Assembly	1
9	58–4780	Tube Assembly	1
11	58–5710	Hose Assembly	1
12	340–89	Fitting – Hydraulic 45° (Incl. Ref. #14 & 39)	1
13	68–6370	Tube Kit (Incl. Ref. #3 & 41)	1
14	237–80	O–Ring	1
15	58–3880	Clamp – Tube	5
16	60–6650	Screw – Cap Hex. Hd.	2
17	43–5930	Washer – Lock	6
18	48–8010	Washer	2
19	58–5840	Hose Assembly	1
20	58–4850	Tube Assembly	1
21	68–6270	Tube Kit (Incl. Ref. #3, 42 & 44)	1
22	60–2180	Fitting – Tee	1

Ref. No.	Part No.	Description	No. Used
23	58–5820	Hose Assembly	1
24	340–68	Fitting – Hydraulic Tee (Incl. Ref. #3)	3
25	60–1630	Hose Assembly	1
26	340–71	Fitting – Hydraulic Straight (Incl. Ref. #3)	4
27	58–6670	Hose Assembly	1
28	340–87	Fitting – Hydraulic 45° (Incl. Ref. #1 & 3)	1
29	58–5850	Hose Assembly	2
30	58–5830	Hose Assembly	1
31	58–4760	Tube Assembly	1
32	58–4880	Tube Assembly	1
33	84–6230	Hose Assembly	1
34	58–4870	Tube Assembly	1
35	58–5800	Hose Assembly	1
36	60–1360	Clamp – Tube	3
37	48–7640	Screw – Cap Hex. Hd.	5
38	340–70	Nut – Bulkhead	8
39	237–30	Seal – O–Ring	1
†40		Tube Assembly	1
†41		Tube Assembly	1
†42		Tube Assembly	1
†43		Tube Assembly	1
†44		Tube Assembly	1

†Not Serviced Separately



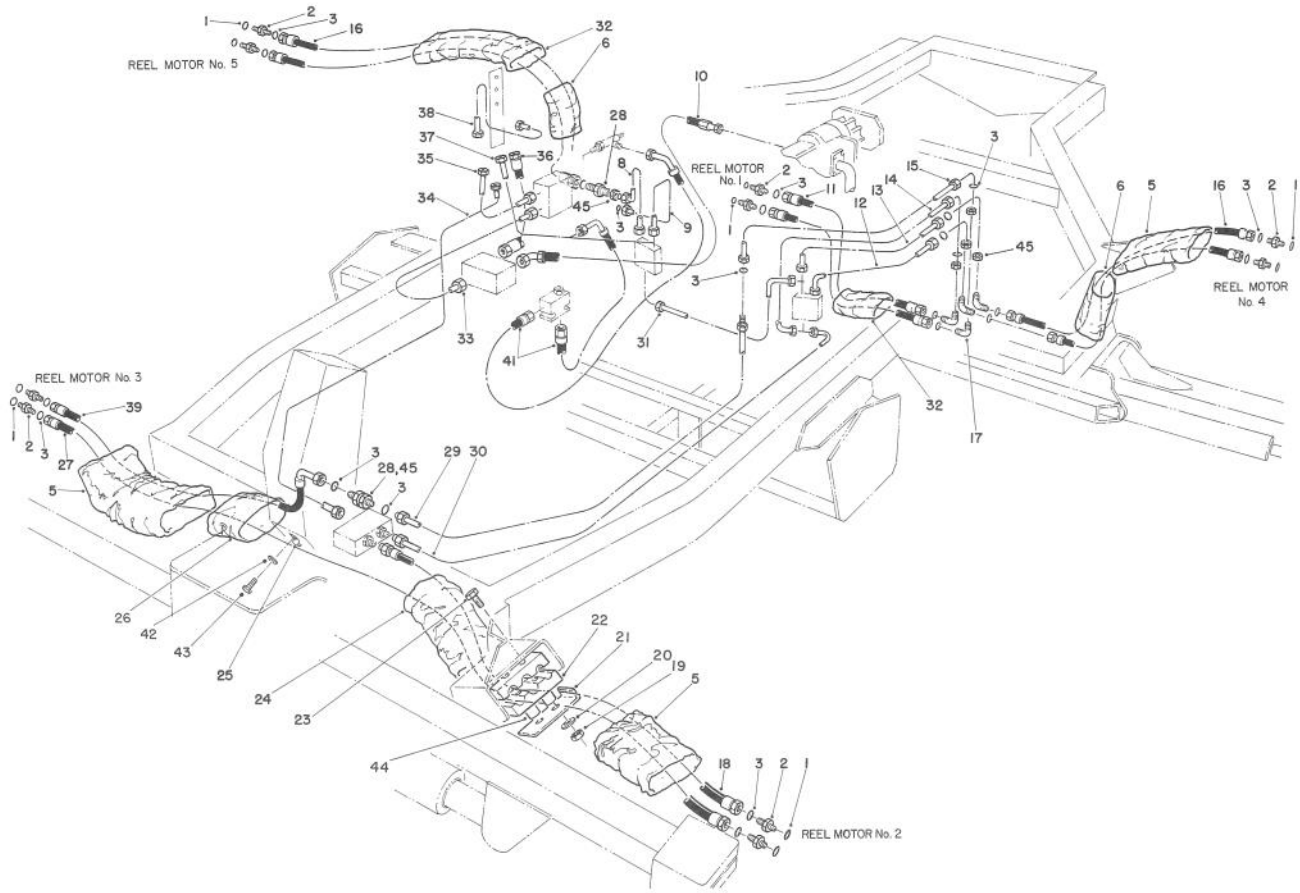
T–0169

HYDRAULIC SCHEMATIC – LIFT ARMS

Ref. No.	Part No.	Description	No. Used
4	84–6240	Hose Assembly	1
5	58–4750	Tube Assembly	1
6	68–6230	Tube Kit (Incl. Ref. #40 & 43)	1
7	58–7730	Tube Assembly	1
8	63–4680	Tube Assembly	1
9	58–4780	Tube Assembly	1
11	58–5710	Hose Assembly	1
13	68–6370	Tube Kit (Incl. Ref. #41)	1
19	58–5840	Hose Assembly	1
20	58–4850	Tube Assembly	1
21	68–6270	Tube Kit (Incl. Ref. #42 & 44)	1
23	58–5820	Hose Assembly	1

Ref. No.	Part No.	Description	No. Used
25	60–1630	Hose Assembly	1
27	58–6670	Hose Assembly	1
29	58–5850	Hose Assembly	2
30	58–5830	Hose Assembly	1
31	58–4760	Tube Assembly	1
32	58–4880	Tube Assembly	1
33	84–6230	Hose Assembly	1
34	58–4870	Tube Assembly	1
35	58–5800	Hose Assembly	1
†40		Tube Assembly	1
†41		Tube Assembly	1
†42		Tube Assembly	1
†43		Tube Assembly	1
†44		Tube Assembly	1

†Not Serviced Separately

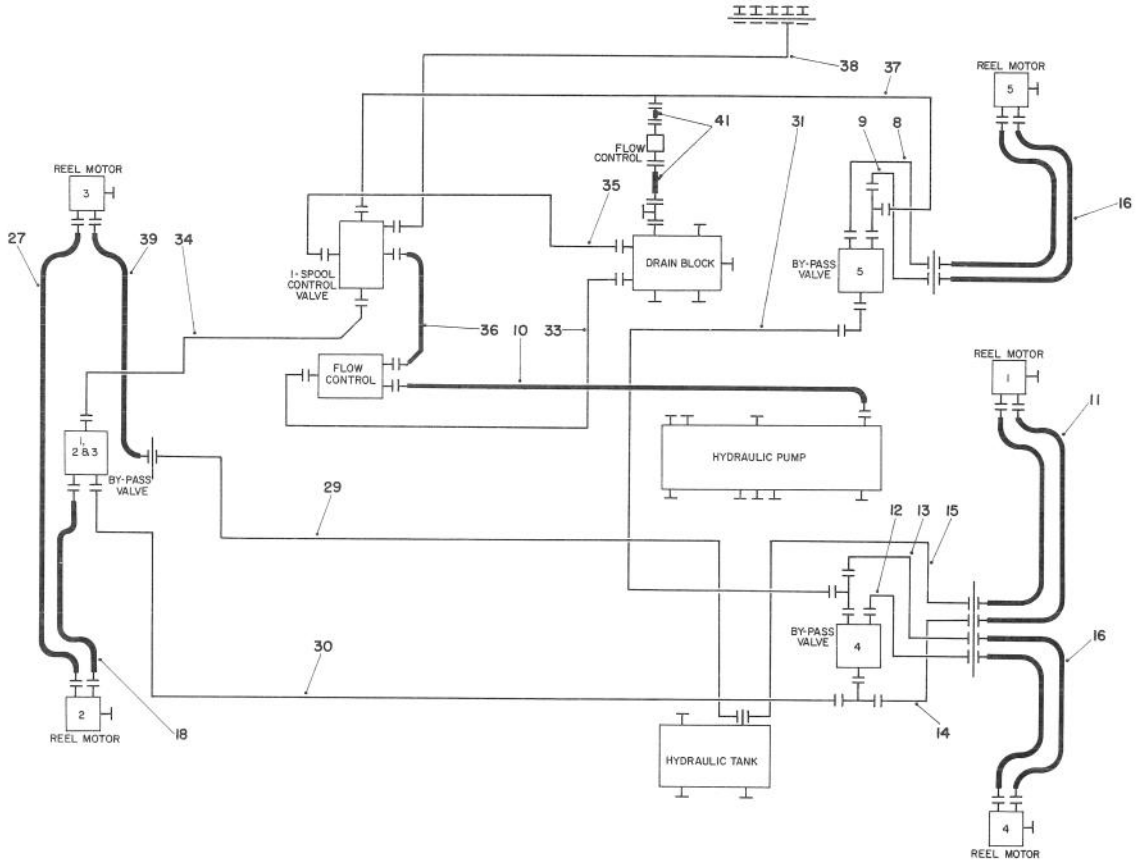


T–0170

HYDRAULIC CIRCUIT – CUTTING UNITS

Ref. No.	Part No.	Description	No. Used
1	237–81	O–Ring	10
2	340–8	Fitting – Hydraulic Straight (Incl. Ref. #1 & 3)	10
3	237–65	O–Ring	26
5	59–7190	Sleeve – Protective	4
6	59–7260	Sleeve – Protective	2
8	58–4960	Tube Assembly	1
9	58–4970	Tube Assembly	1
10	58–5730	Hose Assembly	1
11	58–5790	Hose Assembly	2
12	58–5060	Tube Assembly	1
13	58–5000	Tube Assembly	1
14	58–5020	Tube Assembly	1
15	58–5040	Tube Assembly	1
16	58–5780	Hose Assembly	4
17	340–72	Fitting – Hydraulic 90° (Incl. Ref. #3)	4
18	58–5750	Hose Assembly	1
19	3296–8	Nut – Lock	4
20	3256–16	Washer – Flat	4
21	74–2750	Retainer	2
22	74–2710	Clamp – Split	4
23	321–14	Screw – Cap Hex. Hd.	4

Ref. No.	Part No.	Description	No. Used
24	60–5650	Sleeve – Protective	1
25	60–2080	Clamp – Hose	1
26	60–5660	Sleeve – Protective	1
27	58–5740	Hose Assembly	1
28	340–76	Fitting – Adapter	3
29	58–4990	Tube Assembly (Incl. Ref. #3)	1
30	58–5070	Tube Assembly	1
31	58–4950	Tube Assembly	1
32	59–7200	Sleeve – Protective	1
33	58–5050	Tube Assembly	1
34	58–5030	Tube Assembly	1
35	58–4980	Tube Assembly	1
36	60–3340	Hose Assembly	1
37	63–4710	Tube Assembly	1
38	58–7740	Tube Assembly	1
39	58–5760	Hose Assembly	1
41	60–1250	Hose Assembly	2
42	48–9570	Washer – Lock	1
43	48–7680	Bolt – H.H.	1
44	74–2730	Spacer	4
45	340–74	Nut – Bulkhead	7

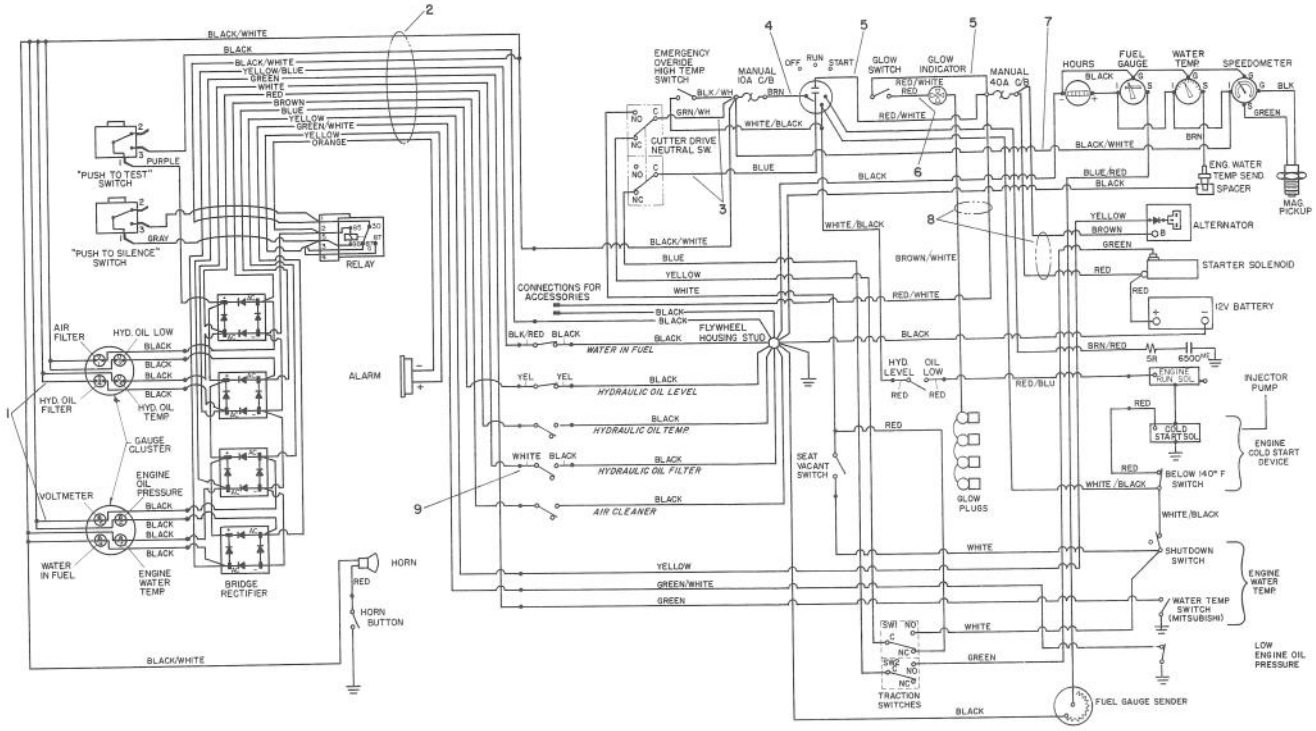


T–0171

HYDRAULIC SCHEMATIC – CUTTING UNITS

Ref. No.	Part No.	Description	No. Used
8	58–4960	Tube Assembly	1
9	58–4970	Tube Assembly	1
10	58–5730	Hose Assembly	1
11	58–5790	Hose Assembly	2
12	58–5060	Tube Assembly	1
13	58–5000	Tube Assembly	1
14	58–5020	Tube Assembly	1
15	58–5040	Tube Assembly	1
16	58–5780	Hose Assembly	4
18	58–5750	Hose Assembly	1
27	58–5740	Hose Assembly	1

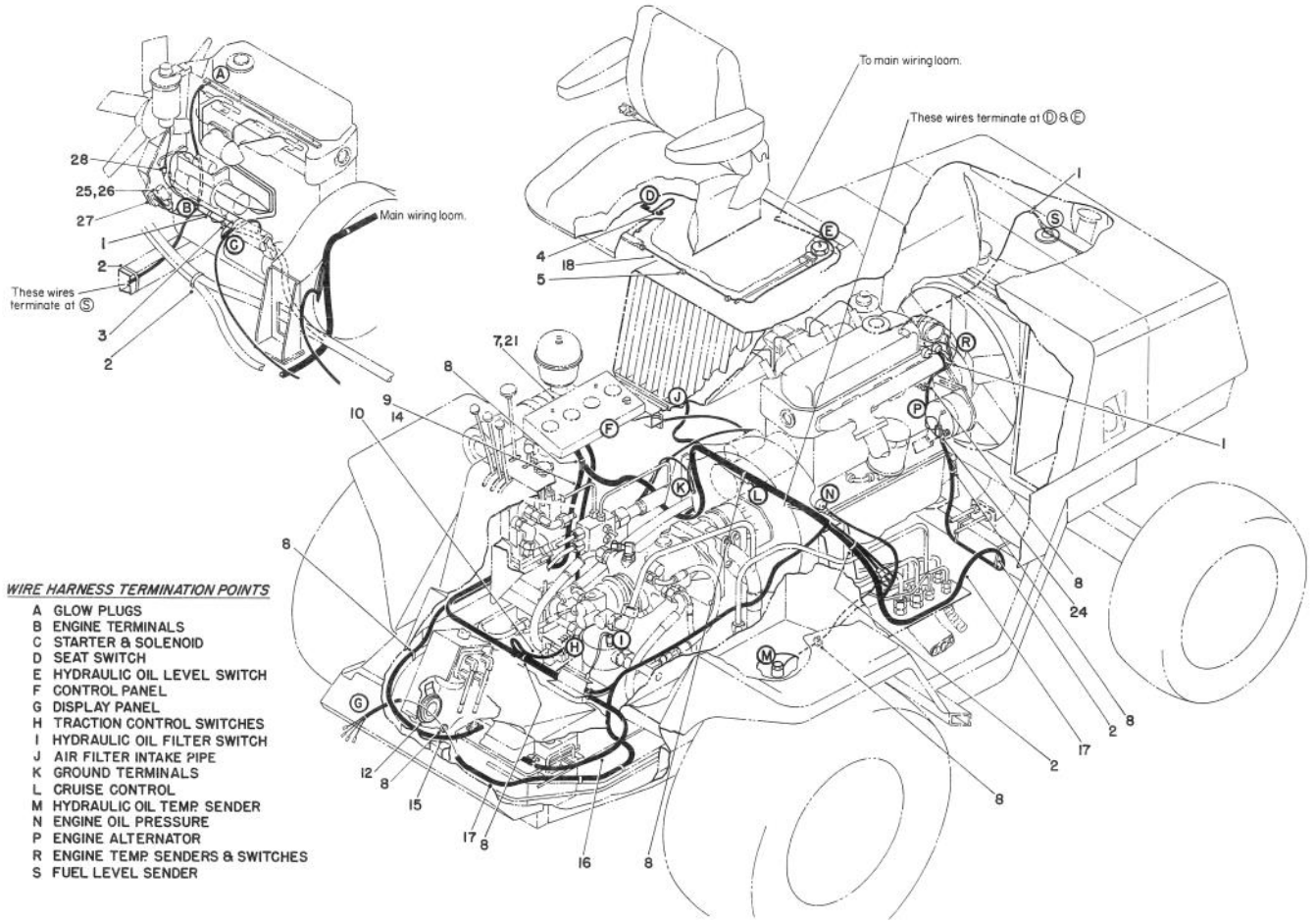
Ref. No.	Part No.	Description	No. Used
29	58–4990	Tube Assembly	1
30	58–5070	Tube Assembly	1
31	58–4950	Tube Assembly	1
33	58–5050	Tube Assembly	1
34	58–5030	Tube Assembly	1
35	58–4980	Tube Assembly	1
36	60–3340	Hose Assembly	1
37	63–4710	Tube Assembly	1
38	58–7740	Tube Assembly	1
39	58–5760	Hose Assembly	1
41	60–1250	Hose Assembly	2



T–1221

ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	82–9230	Harness – Wire (Indicator Lamp)	2
2	82–9820	Harness – Wire (Light Cluster)	1
3	82–9780	Harness – Wire (Interlock)	1
4	82–5940	Wire – Jumper	1
5	82–9730	Wire – Jumper	2
6	82–5930	Wire – Jumper	1
7	82–9740	Wire – Jumper (Gauges)	1
8	82–9770	Harness – Wire (Glow Plugs)	1
9	86–5990	Harness – Hyd. Filter	1

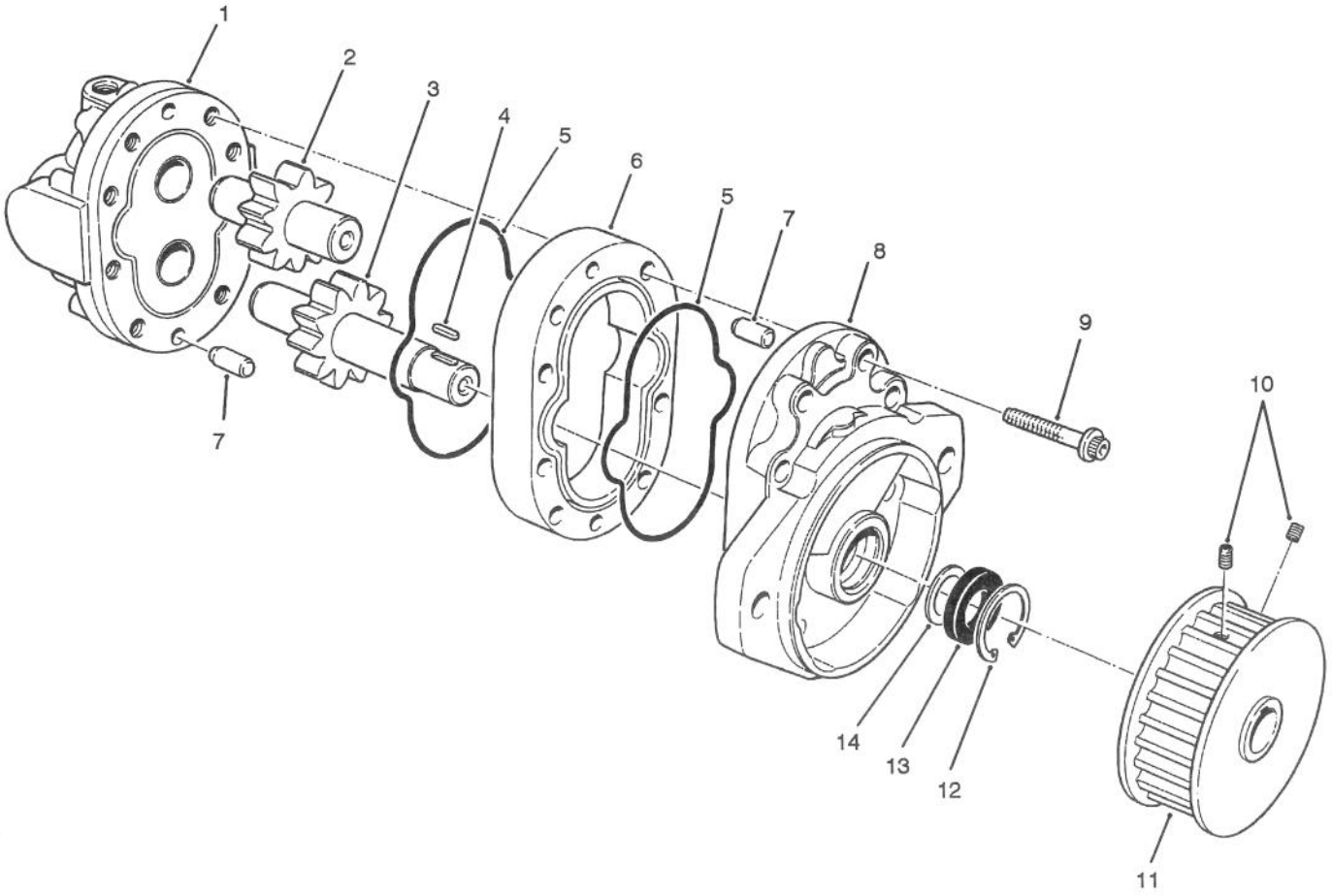


T–0173

ELECTRICAL SYSTEM DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	3290–378	Tie – Cable	7
2	3334–945	Tie – Cable	4
3	2412–109	Clip	1
4	237–100	Grommet	1
5	60–0930	Clip	3
7	82–9760	Harness – Wiring Gauges	1
8	3290–378	Tie – Cable	12
9	82–9790	Harness – Wiring Valve	1
10	82–9810	Harness – Wiring Traction Control Switches	1
12	82–9940	Harness – Wire Horn	1
14	82–9800	Harness – Wire	

Ref. No.	Part No.	Description	No. Used
		Speedometer	1
15	58–3850	Cable – Neg. Battery	1
16	58–3840	Cable – Pos. Battery	1
17	92–5685	Harness – Wiring Main	1
18	82–9750	Jumper Assembly	1
21	2412–131	Clamp–R	3
24	86–6400	Diode	1
25	2412–74	Clamp–R	1
26	37–2690	Capacitor	1
27	38–2860	Resistor – 5 Ohm	1
28	58–6860	Connector	1



T–0174

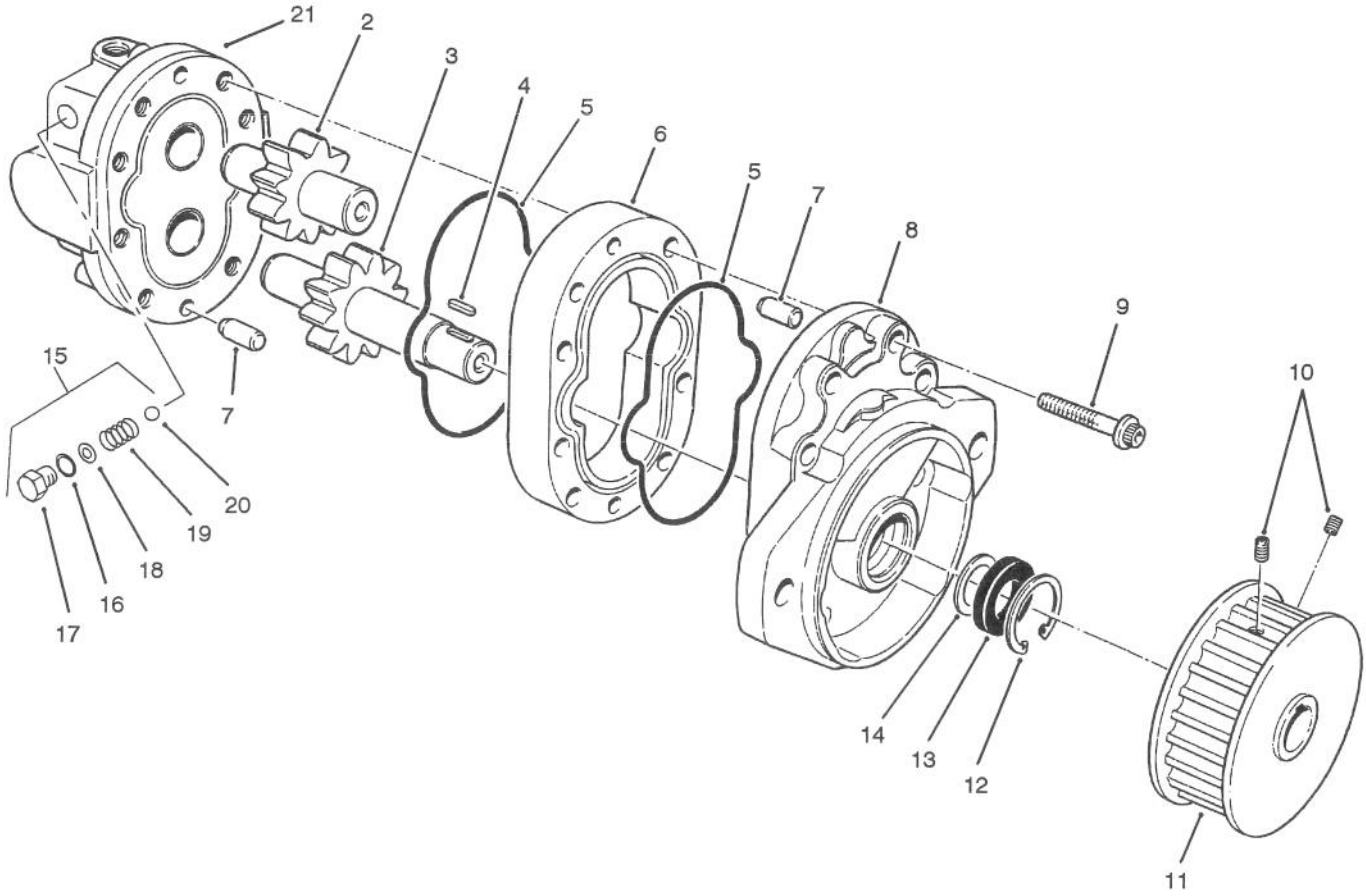
REEL MOTOR ASSEMBLY NO. 66–5700
(For Serial No. 40000–40999)

Ref. No.	Part No.	Description	No. Used
1	66–5720	Housing/Bushings Assembly	1
2	66–5750	Gear – Idler	1
3	66–5760	Gear – Drive	1
4	47–2380	Key	1
5	59–8420	O–Ring	2
6	66–5740	Body	1
7	42–2010	Pin – Dowel	2
8	66–5730	Plate & Bushings Assembly (Front)	1
9	66–5770	Screw – Cap Soc. Hd.	8

Ref. No.	Part No.	Description	No. Used
10	3246–17	Screw – Set	2
11	47–7150	Pulley – Drive	1
12	59–8320	Ring – Retaining	1
13	66–5710	Seal – Shaft	1
14	60–5890	Washer – Backup	1
*	66–5700	Reel Motor Assembly (Incl. Ref. #1–9, 12–14)	1
*	66–5690	Kit – Seal Repair (Incl. Ref. #5, 12–14)	1

*Not Illustrated

3316–446



T–1786

REEL MOTOR ASSEMBLY NO. 66–5700
(For Serial No. 41000 & UP)

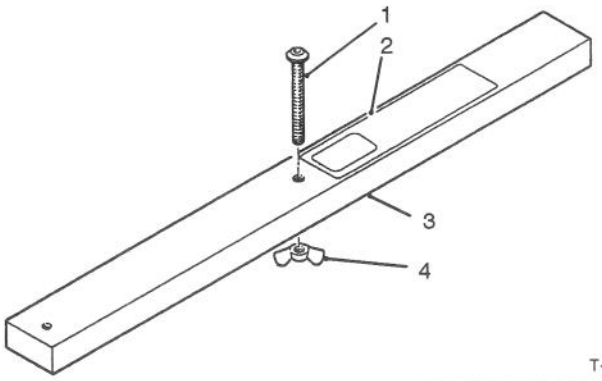
Ref. No.	Part No.	Description	No. Used
2	66–5750	Gear – Idler	1
3	66–5760	Gear – Drive	1
4	47–2380	Key	1
5	59–8420	O–Ring	2
6	66–5740	Body	1
7	42–2010	Pin – Dowel	2
8	66–5730	Plate & Bushings Assembly (Front)	1
9	66–5770	Screw – Cap Soc. Hd.	8
10	3246–17	Screw – Set	2
11	47–7150	Pulley – Drive	1
12	59–8320	Ring – Retaining	1
13	66–5710	Seal – Shaft	1
14	60–5890	Washer – Backup	1

Ref. No.	Part No.	Description	No. Used
15	92–9260	Assembly – Relief Valve (Incl. Ref. #16–20)	2
16	92–9261	O–Ring	2
†17		Plug	2
†18		Shim	A/R
†19		Spring	2
†20		Ball	2
21	92–9264	Backplate/Bushing Assy.	1
21	92–9259	Backplate/Relief Assy. (Incl. Ref. #15)	1
*	66–5700	Reel Motor Assembly (Incl. Ref. #1–9, 12–14)	1
*	66–5690	Kit – Seal Repair (Incl. Ref. #5, 12–14, & 16)	1

*Not Illustrated
†Not Serviced Separately

SPECIAL TOOLS

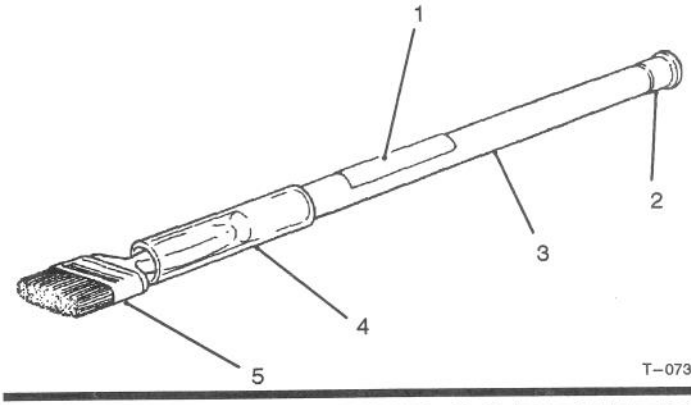
GAUGE BAR ASSEMBLY NO. 59–7900



T–0191

Ref. No.	Part No.	Description	No. Used
1	32122–54	Screw – Mach. Slot. Hd.	1
2	59–7930	Decal	1
3		Bar	1
4	32103–3	Nut – Wing	1

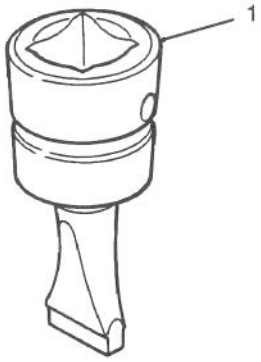
BACKLAPPING BRUSH ASSEMBLY NO. *TOR299100



T–0731

Ref. No.	Part No.	Description	No. Used
1	12–9140	Decal	1
2	2410–18	Plug	1
3	29–9080	Handle	1
4	29–9090	Hose – Handle	1
5	36–4310	Brush	1

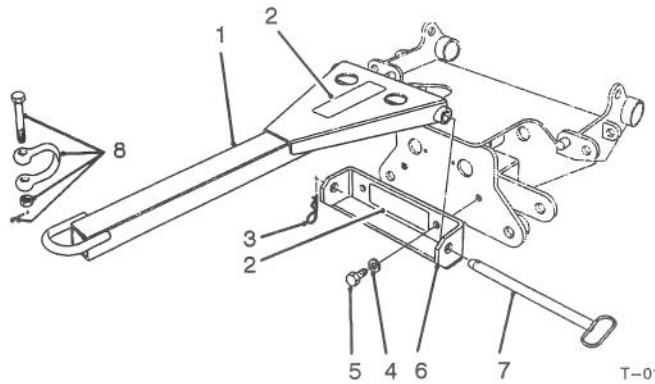
BEDKNIFE SCREW TOOL NO. *TOR510880



T–0729

Ref. No.	Part No.	Description	No. Used
1	51–0880	Tool – Bedknife Screw	1

TOW BAR ASSEMBLY NO. 58–7020



T–0190

Ref. No.	Part No.	Description	No. Used
1	12–7579	Tow Bar (Incl. Ref. #2)	1
2	63–4380	Decal – Instruction	2
3	60–4150	Pin – Retaining	1
4	48–8070	Washer – Lock	2
5	48–7830	Screw – Cap Hex. Hd.	2
6	12–7589	Tow Bar Bracket Assy. (Incl. Ref. #2)	1
7	60–4120	Pin – Tow Bar	1
8	60–4480	Shackle Assembly	1

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1–800–533–0492 (in Minnesota and Canada 1–507–455–7050) Fax. 507–455–7011.

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
3-2858	Disc - Friction	1	9	1
3-7877	Grip	2	49	1
12-7579	Tow Bar	67	1	1
12-7589	Tow Bar Bracket Assy.	67	6	1
12-9140	Decal	67	1	1
23-1840	Bushing	29	5	2
23-7270	Nut - Lug	32	13	10
25-8640	Screw	9	8	1
25-9090	Swivel	9	9	1
26-4840	Spacer	15	32	4
27-2360	Key Switch Assembly	8	18	1
27-7100	Air Cleaner Assembly	18	32	1
27-7100	Air Filter Assembly	19	*	1
27-7110	Element Assembly	19	8	1
27-7120	Nut	19	3	1
27-7130	Clamp Assembly	19	4	1
27-7140	Baffle	19	2	1
27-7150	Cup Assembly	19	1	1
27-7160	Decal - Instruction	18	31	1
27-7160	Decal - Instructions	19	14	1
27-7170	Band - Mounting	18	30	2
27-7170	Band Assembly	19	7	2
27-7220	Soap - Air Cleaner	19	*	1
29-1060	Bracket	29	29	2
29-1070	Lever Assembly	29	34	2
29-1080	Pad	29	39	4
29-6163	Switch	1	26	2
29-9080	Handle	67	3	1
29-9090	Hose - Handle	67	4	1
33-1260	Cover Assembly	19	12	1
33-1270	Bowl	19	11	1
33-3720	Washer	30	12	1
33-4970	Check Valve Assembly	54	8	2
33-4990	Poppet	54	42	1
36-4310	Brush	67	5	1
37-2690	Capacitor	64	26	1
37-7600	Rectifier	5	8	4
38-2860	Resistor - 5 Ohm	64	27	1
39-2080	Tow Valve Assembly	54	4	1
39-2130	Retainer - Spring	54	44	1
39-2140	Spring	54	43	2
42-1220	O-Ring	12	7	1
42-2010	Pin - Dowel	65	7	2
42-2010	Pin - Dowel	66	7	2
42-2720	Seal - Shaft	54	16	1
42-3120	O-Ring	53	16	2
42-3140	Screw - Cap Hex. Hd.	53	11	8
43-4000	Breaker - Circuit, 40 Amp.	8	25	1
43-4001	Breaker - Circuit, 10 Amp.	8	20	1
43-5930	Washer - Lock	57	5	5
43-5930	Washer - Lock	7	13	12
43-5930	Washer - Lock	43	14	4
43-5930	Washer - Lock	59	17	6
43-5930	Washer - Lock	4	18	2
43-5930	Washer - Lock	20	32	1
43-5930	Washer - Lock	21	36	1
43-5930	Washer - Lock	10	46	4
43-6280	Button - Push	5	3	2
43-6280	Button - Push	8	10	2
43-6290	Switch	5	11	2
43-6420	Bezel	8	12	2
43-6420	Bezel - Locking	5	4	2
46-6550	Elbow	20	5	1
46-6550	Elbow	21	10	1
46-6560	Grommet	20	4	3
46-6560	Grommet	21	5	3
47-2380	Key	65	4	1
47-2380	Key	66	4	1
47-2550	Grip - Handle	18	16	2
47-6990	Nut - Hex.	4	2	1
47-7010	Bushing	23	5	2
47-7030	Bushing - Rubber	1	13	1
47-7150	Pulley - Drive	65	11	1
47-7150	Pulley - Drive	66	11	1
48-3250	Mount - Rubber	35	1	4
48-3280	Bumper	27	16	2
48-3380	Leg - Support	35	5	2
48-4480	Strap - Tie	57	41	3
48-4590	Horn	4	15	1
48-6260	Coupling - Spring Center	35	16	1
48-6640	Bushing - Flange	24	13	2
48-6640	Bushing - Flange	32	33	2
48-6660	Washer - Thrust	32	34	2
48-6780	Spring	22	5	2
48-6790	Bushing - Flanged	1	6	4
48-6900	Screw	20	38	4
48-6900	Screw - Hex Hd.	22	32	6
48-6900	Screw - Self-Tap	7	22	4
48-6900	Screw - Taptite	21	44	2
48-6940	Spring	9	28	1
48-6940	Spring	2	39	1
48-7080	Cap	22	19	3
48-7100	Dampener	1	19	1
48-7120	Element - Suction	7	50	1
48-7430	Pre-Cleaner Assembly	19	*	1
48-7430	Pre-Cleaner Assembly	18	33	1
48-7570	Bolt	35	10	2
48-7610	Screw - Cap Hex. Hd.	4	17	2
48-7620	Bolt	7	12	10
48-7620	Bolt	10	47	2
48-7620	Bolt - Flange, Hex. Hd.	3	7	3
48-7620	Screw - Cap Hex. Hd.	43	16	2
48-7630	Screw	20	29	1
48.-7630	Screw	21	34	1
48-7630	Screw - Cap Hex. Hd.	43	15	2
48-7640	Screw - Cap Hex. Hd.	57	4	4
48-7640	Screw - Cap Hex. Hd.	59	37	5
48-7680	Bolt - H.H.	61	43	1
48-7680	Screw - Cap Hex Hd.	22	36	1
48-7680	Screw - Cap Hex. Hd.	18	17	2
48-7690	Screw - Cap Hex. Hd.	57	21	1
48-7700	Bolt	9	1	2
48-7700	Bolt	27	19	4
48-7730	Screw - Cap Hex. Hd.	15	33	4
48-7740	Bolt	1	18	3
48-7780	Bolt	35	6	6
48-7830	Bolt	35	4	8
48-7830	Screw - Cap Hex. Hd.	67	5	2
48-7880	Nut	49	12	1
48-7880	Nut - Hex.	9	34	2
48-7890	Nut	7	44	10
48-7890	Nut - Hex	57	49	1
48-7890	Nut - Hex.	20	31	1
48-7890	Nut - Hex.	21	37	1
48-7890	Nut - Hex.	11	51	1
48-7930	Nut - Hex.	1	7	7
48-7930	Nut - Hex.	27	9	2
48-7930	Nut - Hex.	35	13	3
48-7930	Nut - Hex.	1	15	3
48-7930	Nut - Hex.	9	16	4
48-7930	Nut - Hex.	15	27	10
48-7960	Nut - Hex.	35	9	2
48-8000	Washer - Lock	9	35	2
48-8000	Washer - Spring	49	11	1
48-8010	Washer	57	6	3
48-8010	Washer	4	16	2
48-8010	Washer	10	17	4
48-8010	Washer	59	18	2
48-8010	Washer	22	33	2
48-8020	Washer - Lock	57	22	1
48-8030	Washer	9	19	6
48-8030	Washer	15	29	6
48-8030	Washer	2	43	6
48-8030	Washer - Flat	17	42	6

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
48-8070	Washer – Lock	35	3	12
48-8070	Washer – Lock	67	4	2
48-8540	Lever	22	28	2
48-8830	Pin – Roll	22	26	1
48-8850	Washer – Bevel	22	27	3
48-9460	Bolt	35	11	1
48-9460	Screw – Cap Hex. Hd.	17	40	6
48-9470	Bolt	35	2	7
48-9470	Bolt	26	4	2
48-9470	Bolt	22	9	2
48-9470	Screw – Cap Hex. Hd.	15	20	2
48-9480	Bolt	35	23	1
48-9490	Bolt	26	11	1
48-9510	Nut – Hex.	1	14	1
48-9510	Nut – Lock	17	37	2
48-9520	Nut – Lock	26	8	2
48-9530	Nut – Hex.	27	10	2
48-9540	Nut	26	30	1
48-9570	Washer – Lock	9	2	2
48-9570	Washer – Lock	1	8	15
48-9570	Washer – Lock	27	8	4
48-9570	Washer – Lock	35	12	2
48-9570	Washer – Lock	15	28	10
48-9570	Washer – Lock	22	35	1
48-9570	Washer – Lock	17	41	6
48-9570	Washer – Lock	61	42	1
48-9580	Washer	15	5	2
48-9580	Washer	35	26	1
48-9580	Washer	26	35	2
48-9590	Washer – Lock	35	7	16
48-9590	Washer – Lock	15	21	2
48-9600	Washer	26	29	1
49-0170	Kit – Seal	6	*	1
49-2280	Decal – Diesel Fuel	17	11	1
49-2500	Element – Filter	42	5	1
49-2520	Belt	49	17	1
49-2640	Seal – Shaft	53	12	1
49-2660	Front Plate Assembly	53	15	1
49-2670	Plate – Wear	53	20	1
49-2680	O-Ring – Molded	53	17	1
49-2690	Gasket – Backup	53	19	1
49-2700	Seal – Bearing	53	18	1
51-0880	Tool – Bedknife Screw	67	1	1
51-2060	Washer	22	23	8
51-2070	Nut	22	21	3
51-4910	Bolt	38	36	2
51-4920	Bolt	38	37	1
51-4930	Bolt	38	38	1
51-4940	Cap – Sealing	40	13	10
51-4970	Insert – Valve Seat, Exhaust	40	27	4
51-4980	Insert – Valve Seat, Inlet	40	28	4
51-5030	Bolt – Cylinder Head	40	2	5
51-5040	Bolt – Cylinder Head	40	3	10
51-5050	Connector – Fitting	40	4	1
51-5080	Rocker Shaft Assembly	41	7	2
51-5090	Plug – Expansion	41	6	2
51-5100	Spring – Rocker Shaft	41	8	2
51-5110	Rocker Assembly	41	16	4
51-5120	Bushing – Rocker	41	13	8
51-5130	Screw – Adjusting	41	1	8
51-5150	Bracket – Rocker Shaft	41	15	4
51-5160	Washer	37	5	2
51-5160	Washer – Flat	41	34	9
51-5190	Bolt	41	5	4
51-5200	Rocker Assembly	41	14	4
51-5210	Nut – Jam	41	2	8
51-5240	Seal – O-Ring	41	10	2
51-5250	Pipe – Oil	41	9	1
51-5260	Ring – Snap	41	11	4
51-5270	Washer	41	12	4
51-5280	Cap	41	33	8
51-5290	Keeper – Valve	41	32	16
51-5310	Seal – Valve Stem	41	41	8
51-5320	Spring – Valve	41	17	8
51-5330	Valve – Exhaust	41	19	4
51-5340	Valve – Inlet	41	18	4
51-5350	Cap – Oil Fill	40	6	1
51-5360	Nut – Cap	40	7	4
51-5370	Gasket	40	8	4
51-5380	Rocker Cover Assembly	40	9	1
51-5390	Washer – Sealing	40	15	1
51-5400	Connector	40	16	1
51-5410	Cover	40	5	1
51-5420	Gasket – Rocker Cover	40	11	1
51-5430	Pushrod	41	40	8
51-5450	Camshaft	41	35	1
51-5460	Key – Woodruff	39	1	2
51-5460	Key – Woodruff	41	38	1
51-5470	Plate – Thrust	41	36	1
51-5500	Bushing – Camshaft No. 1	36	2	1
51-5510	Bushing – Camshaft No. 2	36	3	1
51-5520	Bushing – Camshaft No. 3	36	4	1
51-5530	Cap – Sealing	36	6	2
51-5530	Cap – Sealing	40	12	6
51-5540	Pin – Dowel, Gear Case	36	7	2
51-5560	Pipe – Oil	36	15	1
51-5580	Hanger	36	9	2
51-5590	Cap – Sealing	36	21	3
51-5600	Cap – Sealing	36	11	3
51-5610	Pin – Dowel	36	20	8
51-5640	Idler Gear Shaft Assembly	36	33	1
51-5650	Pin – Spring	36	34	1
51-5670	Cap – Sealing	36	12	2
51-5730	Gasket	36	1	1
51-5770	Bearing Set Std.	36	30	1
51-5820	Gasket	37	22	1
51-5840	Washer – Sealing	37	29	1
51-5850	Cover	37	27	1
51-5860	Gasket	37	26	1
51-5870	Seal	37	25	1
51-5900	Case – Seal, Oil	39	14	1
51-5910	O-Ring	39	15	1
51-5940	Housing – Flywheel	39	21	1
51-5950	Stud	49	22	2
51-5970	Nut	49	15	2
51-6010	Cover	39	7	1
51-6020	Gasket	39	8	1
51-6030	Plug	39	23	1
51-6100	Gasket – Housing, Flywheel	39	22	1
51-6180	Pin – Piston	40	22	4
51-6190	Ring – Snap	40	18	8
51-6200	Connecting Rod Assembly	40	20	4
51-6210	Bushing	40	23	4
51-6220	Bolt	40	21	8
51-6230	Nut	40	26	8
51-6240	Bearing – Connecting Rod	40	24	8
51-6270	Washer	39	3	1
51-6300	Pin – Dowel	39	20	2
51-6310	Pulley – Crankshaft	39	4	1
51-6320	Plate – Baffle	39	28	1
51-6330	Plate – Thrust	39	27	1
51-6340	Flywheel Assembly	39	18	1
51-6350	Gear – Ring	39	19	1
51-6360	Washer – Lock	39	17	2
51-6370	Bolt – Seal	39	16	4
51-6390	Washer	37	20	1
51-6390	Washer – Spring	49	2	4
51-6390	Washer – Spring	39	9	7
51-6390	Washer – Spring	38	35	4
51-6400	Plate – Thrust	37	19	1
51-6410	Gear – Camshaft	37	8	1
51-6450	Gear – Crankshaft	37	17	1
51-6480	Cover	36	18	1
51-6490	Gasket	36	19	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
51-6500	Gasket – Intake Manifold	43	9	2
51-6540	Manifold – Inlet	43	21	1
51-6550	Gasket – Intake Pipe	43	20	1
51-6600	Clamp	43	6	2
51-6620	Manifold – Exhaust	43	4	1
51-6630	Gasket – Exhaust Pipe	43	3	1
51-6660	Gasket – Exhaust Manifold	43	5	1
51-6670	Oil Pump Assembly	41	22	1
51-6680	Gear – Pump Drive	41	20	1
51-6690	Pin	41	21	1
51-6700	Oil Pump Rotor Assembly	41	*	1
51-6720	Cover – Oil Pump Case	41	26	1
51-6750	Strainer – Oil	41	30	1
51-6760	Gasket	41	27	1
51-6800	Oil Filter Assembly	42	4	1
51-6820	Washer – Gasket	42	7	1
51-6830	Relief Valve Assembly	42	8	1
51-6870	Gasket	42	6	1
51-6880	Bolt – Joint	42	1	2
51-6890	Gasket	42	2	4
51-6890	Gasket	40	32	1
51-6900	Pipe – Oil	42	3	1
51-6910	Nut – Jam	38	5	1
51-6920	Washer – Spring	38	6	1
51-6930	Spacer – Water Pump	38	8	1
51-6940	Ring – Retaining	38	9	1
51-6950	Bearing – Ball	38	10	1
51-6960	Key – Woodruff	38	11	1
51-6980	Bearing – Ball	38	13	1
51-7010	Gasket	38	16	1
51-7020	Fitting – Grease	38	15	1
51-7030	Seal Unit	38	18	1
51-7050	Cover	38	20	1
51-7080	Gasket	38	34	1
51-7130	Pulley –Water Pump	38	7	1
51-7160	Elbow Assembly	38	40	1
51-7170	Pipe	43	8	1
51-7170	Pipe	38	30	1
51-7190	Hose – Rubber	43	7	1
51-7200	Clamp – Hose	38	31	2
51-7210	Gasket	38	25	2
51-7220	Gasket	38	24	1
51-7230	Thermostat	38	23	1
51-7250	Washer	44	3	2
51-7250	Washer	36	5	5
51-7250	Washer – Spring	37	2	13
51-7250	Washer – Spring	38	2	2
51-7250	Washer – Spring	43	2	12
51-7250	Washer – Spring	41	3	11
51-7250	Washer – Spring	39	6	2
51-7250	Washer – Spring	49	6	1
51-7250	Washer – Spring	42	13	19
51-7250	Washer – Spring	45	33	3
51-7400	Washer – Spring	39	11	8
51-7400	Washer – Spring	44	24	2
51-7400	Washer – Spring	41	28	4
51-7490	Shim – 1.0mm	44	12	A/R
51-7590	Motor – Starter	49	16	1
51-7600	Screw – Set	50	4	1
51-7610	Packing	50	5	2
51-7620	Front Cover Assembly	50	6	1
51-7630	Seal – Oil	50	24	1
51-7640	Lever Assembly	50	7	1
51-7650	Spring Assembly	50	8	1
51-7660	Center Bracket Assembly	50	9	1
51-7670	Solenoid	50	10	1
51-7680	Armature Assembly	50	12	1
51-7690	Bearing	50	11	1
51-7700	Bearing	50	13	1
51-7710	Bolt Set	50	14	1
51-7720	Clutch Shaft Assembly	50	*	1
51-7730	Pinion Gear Assembly	50	2	1
51-7740	Retaining RingAssembly	50	1	1
51-7750	Gear Assembly	50	*	1
51-7760	Shaft Assembly	50	23	1
51-7770	Gear – Pinion	50	22	1
51-7780	Cover Set	50	21	1
51-7790	Packing	50	20	2
51-7800	Yoke Assembly	50	19	1
51-7810	Brush Holder Assembly	50	17	1
51-7820	Spring – Brush	50	18	4
51-7830	Cover – Rear	50	16	1
51-7840	Ring – Rubber	50	15	2
51-7850	Nut Assembly	51	1	1
51-7870	Screw – Set	51	4	1
51-7890	Screw – Set	51	5	1
51-7910	Rotor Assembly	51	10	1
51-7920	Bearing	51	11	1
51-7930	Stator	51	18	1
51-7950	Terminal Assembly	51	17	1
51-7960	Regulator Assembly	51	16	1
51-7970	Brush	51	15	2
51-7980	Spring – Return	51	14	2
51-8100	Bearing Set 0.25mm U.S.	36	*	1
51-8110	Bearing Set 0.50mm U.S.	36	*	1
51-8120	Bearing Set 0.75mm U.S.	36	*	1
51-8190	Bearing – Connecting Rod	40	*	8
51-8200	Bearing – Connecting Rod	40	*	8
51-8210	Bearing – Connecting Rod	40	*	8
51-8240	Water Pump Assembly	38	14	1
51-8260	Switch – Indicator,	36	13	1
51-8270	Washer – Sealing	36	23	1
51-8280	Bolt	36	24	1
51-8310	Bolt	37	12	1
51-8390	Shim – 1.05mm	44	*	A/R
51-8400	Shim – 1.10mm	44	*	A/R
51-8410	Shim – 1.15mm	44	*	A/R
51-8420	Shim – 1.20mm	44	*	A/R
51-8430	Shim – 1.25mm	44	*	A/R
51-8440	Shim – 1.30mm	44	*	A/R
51-8450	Shim – 1.35mm	44	*	A/R
51-8460	Shim – 1.40mm	44	*	A/R
51-8470	Shim – 1.45mm	44	*	A/R
51-8480	Shim – 1.50mm	44	*	A/R
51-8490	Shim – 1.55mm	44	*	A/R
51-8500	Shim – 1.60mm	44	*	A/R
51-8510	Shim – 1.65mm	44	*	A/R
51-8520	Shim – 1.70mm	44	*12	A/R
51-8530	Shim – 1.75mm	44	*	A/R
51-8540	Shim – 1.80mm	44	*	A/R
51-8550	Shim – 1.85mm	44	*	A/R
51-8560	Shim – 1.90mm	44	*	A/R
51-8570	Shim – 1.95mm	44	*	A/R
51-8580	Plate – Adjusting	49	4	1
51-8590	Washer – Flat	49	5	1
51-8600	Bracket – Alternator	49	8	1
51-8610	Washer – Spring	49	18	2
51-8620	Bolt	49	19	1
51-8630	Bolt	49	20	1
51-8640	Bolt	49	1	2
51-8650	Plate – Connection	49	9	1
51-8660	Plug – Glow	49	13	4
52-6180	Washer	26	6	A/R
52-6430	Washer	9	36	2
52-6430	Washer	11	54	6
52-9230	Ring – Retaining	6	2	1
52-9240	Bushing – Seal Gland	6	3	1
52-9250	Kit – Bearing, Needle	6	*	1
52-9260	Screw – Set	6	28	1
52-9270	Seat – Check Ball	6	26	1
52-9280	Ball – Check	6	24	1
52-9290	Retainer – Ball, Check	6	23	1
52-9590	Latch	20	27	4
52-9590	Latch	21	32	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
53–5940	Bolt	27	44	1
53–6070	Brake – Parking	9	3	1
55–4330	Arm Rest – L.H.	16	14	1
55–4331	Arm Rest – R.H.	16	*	1
56–3850	Screw – Mach. Hex. Hd.	16	13	4
56–3880	Washer	16	31	2
56–3890	Nut	16	30	1
56–3940	Washer	16	40	1
56–4150	Grip – Handle	16	6	1
56–4170	Clevis – Threaded	16	29	1
58–0070	Disc – Brake	29	9	1
58–0110	Bracket	29	32	2
58–0400	Shroud – Front	2	45	1
58–0500	Cover	4	19	1
58–0660	Foot – Front	35	8	1
58–0800	Lever – Neutral Lock	2	36	1
58–0980	Fender – LH	7	25	1
58–1480	Pin – Cotter	10	22	8
58–1510	Shaft	10	34	1
58–1520	Pin – Pivot	10	6	1
58–1530	Coupling	11	53	1
58–1540	Spacer	11	59	4
58–1560	Link	10	50	6
58–1570	Link	10	21	2
58–1580	Seat Frame Assembly	15	30	1
58–1640	Pin – Seat Pivot	15	25	1
58–1650	Rod – Seat	15	9	1
58–1750	Panel – Access	7	37	1
58–1970	Hinge – LH	17	5	1
58–1980	Hinge – RH	17	*	1
58–2040	Indicator – Glow Plug	8	17	1
58–2150	Manifold	10	40	1
58–2170	Bar	9	17	1
58–2270	Rod Assembly	9	24	1
58–2300	Link – Brake	29	37	4
58–2720	Pin – Cylinder Mount	23	14	2
58–2720	Pin – Pivot	27	40	3
58–2800	Bushing	22	1	4
58–2810	Rod	22	3	2
58–3570	Spring – Compression	27	46	2
58–3590	Dowel	35	15	2
58–3780	Spacer	29	28	8
58–3800	Lever	22	20	1
58–3810	Pin – Clevis	10	49	3
58–3830	Pin – Clevis	10	16	5
58–3840	Cable – Pos. Battery	64	16	1
58–3850	Cable – Neg. Battery	64	15	1
58–3880	Clamp	57	9	3
58–3880	Clamp – Tube	59	15	5
58–3910	Pin – Hinge	17	9	2
58–3930	Bushing – Flange	17	3	2
58–4310	Ring	1	21	2
58–4380	Pin – Pivot	26	15	2
58–4380	Pin – Pivot	27	26	3
58–4450	Lever	10	18	1
58–4460	Clevis	10	20	1
58–4710	Tube Assembly	57	48	1
58–4710	Tube Assembly	58	48	1
58–4750	Tube Assembly	59	5	1
58–4750	Tube Assembly	60	5	1
58–4760	Tube Assembly	59	31	1
58–4760	Tube Assembly	60	31	1
58–4780	Tube Assembly	59	9	1
58–4780	Tube Assembly	60	9	1
58–4790	Tube Assembly	57	25	1
58–4790	Tube Assembly	58	25	1
58–4850	Tube Assembly	59	20	1
58–4850	Tube Assembly	60	20	1
58–4860	Tube Assembly	57	27	1
58–4860	Tube Assembly	58	27	1
58–4870	Tube Assembly	59	34	1
58–4870	Tube Assembly	60	34	1
58–4880	Tube Assembly	59	32	1
58–4880	Tube Assembly	60	32	1
58–4950	Tube Assembly	61	31	1
58–4950	Tube Assembly	62	31	1
58–4960	Tube Assembly	61	8	1
58–4960	Tube Assembly	62	8	1
58–4970	Tube Assembly	61	9	1
58–4970	Tube Assembly	62	9	1
58–4980	Tube Assembly	61	35	1
58–4980	Tube Assembly	62	35	1
58–4990	Tube Assembly	61	29	1
58–4990	Tube Assembly	62	29	1
58–5000	Tube Assembly	61	13	1
58–5000	Tube Assembly	62	13	1
58–5020	Tube Assembly	61	14	1
58–5020	Tube Assembly	62	14	1
58–5030	Tube Assembly	61	34	1
58–5030	Tube Assembly	62	34	1
58–5040	Tube Assembly	62	15	1
58–5040	Tube Assembly	61	15	1
58–5050	Tube Assembly	61	33	1
58–5050	Tube Assembly	62	33	1
58–5060	Tube Assembly	61	12	1
58–5060	Tube Assembly	62	12	1
58–5070	Tube Assembly	61	30	1
58–5070	Tube Assembly	62	30	1
58–5100	Washer	1	22	2
58–5100	Washer	35	27	2
58–5330	Spacer – Hinge	17	4	A/R
58–5350	Spacer – Hinge	17	*	A/R
58–5380	Latch – Draw	17	22	2
58–5420	Cap – Radiator	18	9	1
58–5430	Motor – Wheel	29	12	2
58–5460	Valve – Shut–Off	27	2	2
58–5460	Valve – Shutoff	24	5	1
58–5490	Valve – Flow Control	11	56	1
58–5491	Valve – Flow Control	11	*	1
58–5520	Valve	10	28	1
58–5530	Drive Hub Assembly	29	*	2
58–5540	Cooler – Hydraulic Oil	18	11	1
58–5570	Tire (Used on Model 03703)	32	*	2
58–5590	Rim (Used on Model 03703)	32	*	2
58–5600	Tire (Model 03703)	29	*	2
58–5610	Rim	29	24	2
58–5620	Tube – Inner	29	25	2
58–5650	Pump – Gear	52	28	1
58–5660	Pump – Piston	52	26	1
58–5690	Tube Assembly	57	14	2
58–5690	Tube Assembly	58	14	2
58–5710	Hose Assembly	59	11	1
58–5710	Hose Assembly	60	11	1
58–5720	Hose Assembly	57	33	1
58–5720	Hose Assembly	58	33	1
58–5730	Hose Assembly	61	10	1
58–5730	Hose Assembly	62	10	1
58–5740	Hose Assembly	61	27	1
58–5740	Hose Assembly	62	27	1
58–5750	Hose Assembly	61	18	1
58–5750	Hose Assembly	62	18	1
58–5760	Hose Assembly	61	39	1
58–5760	Hose Assembly	62	39	1
58–5780	Hose Assembly	61	16	4
58–5780	Hose Assembly	62	16	4
58–5790	Hose Assembly	61	11	2
58–5790	Hose Assembly	62	11	2
58–5800	Hose Assembly	59	35	1
58–5800	Hose Assembly	60	35	1
58–5820	Hose Assembly	59	23	1
58–5820	Hose Assembly	60	23	1
58–5830	Hose Assembly	59	30	1
58–5830	Hose Assembly	60	30	1
58–5840	Hose Assembly	59	19	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
58-5840	Hose Assembly	60	19	1
58-5850	Hose Assembly	59	29	2
58-5850	Hose Assembly	60	29	2
58-5860	Hose Assembly	57	1	2
58-5860	Hose Assembly	58	1	2
58-5870	Hose Assembly	57	34	1
58-5870	Hose Assembly	58	34	1
58-5910	Decal - Tire Pressure	22	17	2
58-5940	Sight Glass	7	21	1
58-5960	Column - Steering	4	4	1
58-6290	Poppet Assembly	13	33	3
58-6310	Spacer	13	26	3
58-6320	Wiper - Seal	13	38	3
58-6330	Seat Assembly	13	35	3
58-6340	O-Ring	13	36	3
58-6350	Plug Assembly	13	11	3
58-6370	Washer - Backup	13	10	6
58-6370	Washer - Backup	14	15	1
58-6380	Assembly - Plug	13	30	3
58-6400	Bushing	13	23	3
58-6410	Spring	13	31	3
58-6420	Assembly - Cap	13	28	3
58-6440	Poppet	13	20	1
58-6450	O-Ring	13	22	6
58-6460	Ring - Retaining	13	27	3
58-6470	Washer	13	16	A/R
58-6480	Washer	13	17	A/R
58-6490	Washer	13	18	A/R
58-6510	Foot Pad - R.H.	3	2	1
58-6520	Decal - Grease	22	16	3
58-6520	Decal - Grease	23	21	1
58-6520	Decal - Grease	33	48	2
58-6530	Decal - Hydraulic Oil	15	23	1
58-6540	Decal - Operator Warning	7	32	1
58-6560	Panel - Side, Control	9	30	1
58-6580	Fitting	7	11	5
58-6620	Foot Pad - L.H.	3	8	1
58-6630	Foot Pad - Center	3	5	1
58-6670	Hose Assembly	59	27	1
58-6670	Hose Assembly	60	27	1
58-6680	Panel - Test Ports	7	6	1
58-6700	Washer	13	24	3
58-6710	Plug Assembly	13	6	3
58-6720	O-Ring	13	7	3
58-6730	Spring	13	25	3
58-6750	O-Ring	13	15	1
58-6760	Spring	13	3	3
58-6770	Detent Plunger	13	4	3
58-6780	Plug Assembly	13	1	3
58-6790	O-Ring	13	5	3
58-6820	Gasket	15	22	1
58-6860	Connector	64	28	1
58-6940	Decal - Coolant Only	17	1	1
58-7030	Cable - Brake	9	13	1
58-7070	Spacer	17	23	2
58-7190	Spring	10	12	1
58-7270	Bar - Clamp	3	13	1
58-7390	Foot Rest Assembly	3	4	1
58-7730	Tube Assembly	59	7	1
58-7730	Tube Assembly	60	7	1
58-7740	Tube Assembly	61	38	1
58-7740	Tube Assembly	62	38	1
58-7750	Tube Assembly	57	38	1
58-7750	Tube Assembly	58	38	1
58-7760	Tube Assembly	57	40	1
58-7760	Tube Assembly	58	40	1
58-7770	Tube Assembly	57	39	1
58-7770	Tube Assembly	58	39	1
58-7780	Tube Assembly	57	37	1
58-7780	Tube Assembly	58	37	1
58-7800	Lever Pump	1	28	1
58-9010	Block	1	24	1
58-9160	Drain Plug Assembly	7	47	1
58-9210	Cam	27	42	2
58-9580	Foot Rest	1	1	1
58-9630	Sleeve - Protector	27	48	2
58-9830	Plate - Seat	15	31	1
59-81 20	O-Ring	12	33	1
59-6730	Race - Bearing	6	6	2
59-6740	Bearing - Needle, Thrust	6	7	1
59-6820	Kit - Centering Spring	6	10	1
59-6830	Kit - Pin, Centering	6	19	1
59-6860	Drive	6	14	1
59-6870	Gerotor	6	15	1
59-6890	Cap - End	6	16	1
59-6900	Screw - Cap	6	18	7
59-7130	Knob	10	33	1
59-7140	Bumper	24	9	1
59-7140	Bumper	27	47	2
59-7190	Sleeve - Protective	61	5	4
59-7200	Sleeve - Protective	61	32	1
59-7220	Switch - Glow Plug	8	14	1
59-7240	Throttle Assembly	9	4	1
59-7260	Sleeve - Protective	61	6	2
59-7280	Foot Pad - Traction	3	1	1
59-7290	Decal - Hyd. Fill	7	20	1
59-7410	Fitting - Diagnostic	7	9	5
59-7410	Fitting - Diagnostic	11	62	1
59-7580	Nut	56	1	8
59-7590	Washer - Lock	56	2	8
59-7600	Plug Assembly	14	1	2
59-7610	O-Ring	14	2	2
59-7640	O-Ring	14	5	1
59-7650	O-Ring	14	6	1
59-7670	Metering Stem	14	8	1
59-7680	Pin - Groove	14	9	1
59-7690	Shim	14	10	A/R
59-7700	Shim	14	11	A/R
59-7710	Shim	14	12	A/R
59-7720	Shim	14	13	A/R
59-7740	Plug - Metering	14	16	1
59-7750	Shim	14	17	A/R
59-7760	Shim	14	18	A/R
59-7770	Spring	14	19	1
59-7780	O-Ring	25	7	2
59-7780	O-Ring	14	14	1
59-7780	O-Ring	12	32	1
59-7810	Circlip	25	1	2
59-7820	Washer	25	2	2
59-7840	Spring	25	4	1
59-7850	Wiper	25	5	2
59-7860	Backup Washer	25	6	2
59-7860	Washer - Backup	12	6	1
59-7890	Seal Kit	25	*	1
59-7910	Grommet	10	35	1
59-7930	Decal	67	2	1
59-7950	Switch - Cold Start	40	10	1
59-7960	Decal - Latch	3	6	1
59-7970	Stud	56	3	8
59-7990	Seal - Gland	56	5	2
59-8040	Spring	12	29	1
59-8050	Spring - Detent	12	10	2
59-8060	Plug - Detent	12	9	1
59-8070	Washer - Lock	12	23	2
59-8080	Washer - Deep	12	30	1
59-8100	Washer - Shallow	12	27	1
59-8140	O-Ring	12	3	1
59-8150	Pawl - Detent	12	11	3
59-8160	Plug	12	4	1
59-8170	Washer - Wire	12	28	1
59-8180	Washer	12	31	1
59-8190	Wiper	12	34	1
59-8230	Plug	12	16	1
59-8250	Kit - Seal	12	*	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
59–8260	O–Ring	30	6	1
59–8270	Back Plate Assembly	30	5	1
59–8280	Screw – Cap Hex. Hd.	30	2	3
59–8290	Screw – Cap Hex. Hd.	30	1	3
59–8300	Housing Assembly	30	17	1
59–8320	Ring – Retaining	65	12	1
59–8320	Ring – Retaining	66	12	1
59–8340	Rotating Assembly	30	19	1
59–8350	Camplate Assembly	30	18	1
59–8360	Shaft – Drive	30	10	1
59–8370	Seal – Shaft	30	11	1
59–8380	Key	30	8	1
59–8390	Kit – Seal Repair	30	*	1
59–8420	O–Ring	65	5	2
59–8420	O–Ring	66	5	2
59–8440	Decal – Warning	18	10	1
59–8470	Retainer – Seal	56	6	2
59–8500	Drive Gear – Spline	56	10	1
59–8540	Coupling	56	14	1
59–8550	O–Ring	52	10	1
59–8570	Seal – Shaft	56	17	1
59–8580	Ring – Retaining	56	18	1
59–8590	Seal – Shaft	56	9	1
59–8600	Driven Gear	56	11	1
60–0050	Spring	15	24	1
60–0080	Bushing – Flanged	27	43	2
60–0090	Pin – #1 Lift Arm Pivot	27	17	1
60–0090	Pin – Lift Arm, Pivot	23	17	2
60–0100	Pin – #4 & 5 Lift Arm Pivot	27	21	2
60–0160	Pin – Roller Rear	22	24	2
60–0190	Retainer	23	20	1
60–0190	Retainer – #1 & 4 Pivot Pin	27	18	1
60–0300	Rod	24	11	1
60–0440	A–Frame	26	10	1
60–0550	Bushing	10	23	1
60–0600	Bracket	2	47	1
60–0670	Spring – Compression	23	11	2
60–0730	Bracket – Lock, Neutral	2	35	1
60–0760	Clevis	2	42	1
60–0790	Grommet	4	27	1
60–0930	Clip	18	5	2
60–0930	Clip	64	5	3
60–1010	Lug – Angle	35	22	1
60–1050	Bracket	27	15	2
60–1110	Bushing	2	48	2
60–1130	Lever	1	10	1
60–1240	Spring	22	6	2
60–1250	Hose Assembly	57	19	1
60–1250	Hose Assembly	58	19	1
60–1250	Hose Assembly	61	41	2
60–1250	Hose Assembly	62	41	2
60–1280	Pin – Roll	27	27	3
60–1280	Pin – Roll	26	14	2
60–1340	Rod – Push RH	27	45	1
60–1350	Rod – Push LH	27	*	1
60–1360	Clamp	57	24	1
60–1360	Clamp – Tube	59	36	3
60–1630	Hose Assembly	59	25	1
60–1630	Hose Assembly	60	25	1
60–1640	Retainer – #5 Pivot Pin	27	*	1
60–1740	Nut – Spring	29	36	4
60–1750	Lever – R.H.	23	3	1
60–1780	Lever – L.H.	23	8	1
60–1820	Shaft – Pivot	23	6	1
60–1900	Tube Assembly	57	8	1
60–1900	Tube Assembly	58	8	1
60–1990	Bushing – Flange	23	4	2
60–2000	Pin – Dowel	23	2	6
60–2010	Sleeve – Protective	57	10	1
60–2020	Shield – Heat	7	40	1
60–2080	Clamp – Hose	61	25	1
60–2080	Clamp – Hose	22	34	1
60–2110	Pin – Roll	1	5	5
60–2110	Pin – Roll	22	25	8
60–2110	Pin – Spirol	10	36	2
60–2140	Spring	9	23	2
60–2160	Wire – Retaining	15	3	1
60–2170	Screw – Pan Hd.	8	21	2
60–2180	Fitting – Tee	59	22	1
60–2780	Tube – Drain	45	38	1
60–3060	Washer	47	2	8
60–3060	Washer	46	12	1
60–3070	Valve – Pressure	47	1	1
60–3090	Banjo	47	3	4
60–3100	Valve – Pressure	47	9	1
60–3110	Washer	47	10	1
60–3120	Nut	47	7	4
60–3130	Plate – Clamping	47	8	1
60–3140	Spring	47	12	1
60–3140	Spring	46	15	1
60–3150	Ring – Sealing	47	13	1
60–3150	Sealing Ring	46	14	1
60–3160	Solenoid	47	11	1
60–3160	Solenoid	46	13	1
60–3250	Washer – Rubber	26	7	1
60–3260	Screw	4	10	1
60–3340	Hose Assembly	61	36	1
60–3340	Hose Assembly	62	36	1
60–3380	Bearing	30	16	1
60–3520	O–Ring	52	27	1
60–3530	Bolt	52	33	2
60–3540	Washer	52	32	2
60–3590	Bearing	30	7	1
60–3610	Ring – Snap	28	6	1
60–3620	Seal	28	5	1
60–3630	Wiper	28	4	1
60–3650	Washer	28	2	1
60–3660	Screw – Bleed	28	1	1
60–3670	Pin – Roll	32	41	1
60–3680	Hose – Overflow	18	6	1
60–3720	Pin – Roll	22	2	2
60–3780	Kit – Seal	13	*	1
60–3800	Coupling	31	1	1
60–3810	Shaft – Input	31	2	1
60–3820	Spindle	31	3	1
60–3830	Seal – Oil	31	4	1
60–3840	Cone – Bearing	31	5	1
60–3850	Cup – Bearing	31	6	2
60–3860	Bolt – Wheel	31	7	9
60–3870	Hub	31	8	1
60–3880	Cone – Bearing	31	9	1
60–3890	Bolt – Hex. Hd.	31	10	6
60–3900	Gear – Ring	31	24	1
60–3910	Washer – Flat	31	11	6
60–3930	Ring – Retaining	31	29	1
60–3940	Washer	31	26	2
60–3950	Spring – Disengage	31	27	1
60–3960	Primary Carrier Assembly	31	15	1
60–3970	Gear – Primary Sun	31	13	1
60–3980	Washer – Thrust	31	12	1
60–3990	Washer – Thrust	31	23	1
60–4000	Secondary Carrier Assembly	31	20	1
60–4010	Plunger – Disengage	31	22	1
60–4020	O–Ring	31	21	1
60–4030	Bolt – Hex Hd.	31	17	8
60–4040	Plug – Pipe	31	16	1
60–4050	Cover – Large	31	19	1
60–4060	Cover – Disengage	31	18	1
60–4070	Bolt – Hex. Hd.	31	14	2
60–4120	Pin – Tow Bar	67	7	1
60–4150	Pin – Retaining	67	3	1
60–4190	Grass Shield – L.H.	22	30	1
60–4200	Grass Shield – R.H.	22	31	1
60–4480	Shackle Assembly	67	8	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
60-4540	Bolt	35	14	1
60-4550	Switch – Micro	12	19	1
60-5000	Bracket	44	1	1
60-5010	Fuel Filter Assembly	44	2	1
60-5020	Clip	44	27	4
60-5030	Wrap – Spiral	44	5	2
60-5040	Hose – Fuel Feed	45	37	1
60-5070	Pipe – Fuel	45	30	1
60-5090	Clamp – Lower	44	18	2
60-5100	Injection Pump Assembly	45	31	1
60-5150	Hose – Rubber	44	20	1
60-5160	Clip	44	21	3
60-5170	Connector	44	22	1
60-5180	Clip	44	26	1
60-5210	Clamp – Upper	44	23	2
60-5220	Nut	39	2	1
60-5330	Pulley Assembly	51	2	1
60-5340	Front Cover Assembly	51	7	1
60-5350	Bearing	51	8	1
60-5421	Alternator	49	3	1
60-5430	O-Ring	49	14	1
60-5450	Plug – Air	48	3	1
60-5470	Filter Element Assembly	48	4	1
60-5480	Sensor – Water	48	6	1
60-5490	Kit – Drain Plug	48	8	1
60-5580	Switch – Temperature	15	19	1
60-5590	Switch – Temp.	38	21	1
60-5650	Sleeve – Protective	61	24	1
60-5660	Sleeve – Protective	61	26	1
60-5690	Clip – Safety	10	5	3
60-5700	Spring	1	23	2
60-5710	Plug	53	6	1
60-5720	O-Ring	53	2	2
60-5720	O-Ring	13	9	6
60-5730	Disc	53	8	A/R
60-5740	Body Assembly	53	21	1
60-5760	Pin – Dowel	53	4	4
60-5770	Idler Gear Assembly	53	10	1
60-5780	Drive Gear Assembly	53	7	1
60-5820	Spring	53	9	1
60-5860	Plug	53	1	1
60-5890	Washer	53	13	1
60-5890	Washer – Backup	65	14	1
60-5890	Washer – Backup	66	14	1
60-5900	Kit – Seal Repair	53	*	1
60-5910	Kit – Repair, Back Plate	53	*	1
60-5950	Washer – Backup	14	7	1
60-5950	Washer – Backup	55	46	2
60-5980	O-Ring	54	33	2
60-5990	Race – Inner	54	20	1
60-6000	Housing Assembly	54	19	1
60-6010	Cover – Trunion	54	23	1
60-6020	Camplate	54	14	1
60-6030	Rotating Kit Assembly	54	12	1
60-6040	Back Plate Assembly	54	9	1
60-6050	Bearing	55	48	1
60-6060	Cartridge	54	37	1
60-6070	Poppet	54	40	1
60-6080	O-Ring	54	38	1
60-6090	Spring	54	39	1
60-6110	Bearing – Needle	54	18	2
60-6120	Cover – Seal	54	15	1
60-6130	Gasket – Housing	54	10	1
60-6140	Shaft – Drive	54	31	1
60-6150	Bearing	55	47	1
60-6160	Race – Thrust	54	29	2
60-6170	Bearing – Needle, Thrust	54	30	1
60-6180	O-Ring	54	5	1
60-6190	O-Ring	54	21	1
60-6200	Charge Pump Adptr. Assy.	54	2	1
60-6210	Cover – O-Ring	54	22	1
60-6220	Screw – Cap Hex. Hd.	54	36	2
60-6230	Screw – Cap Hex. Hd.	54	1	2
60-6240	Washer	54	27	1
60-6250	Washer	54	17	2
60-6260	Ring – Retaining	54	25	1
60-6270	Ring – Retaining	54	28	2
60-6300	Seal – Shaft	54	26	1
60-6310	Key	54	13	1
60-6320	Key	54	35	1
60-6330	Screw	54	24	4
60-6340	Kit – Bleed-Off Valve	55	*	1
60-6350	Gerotor Gear Assembly	54	7	1
60-6360	Kit – Charge Relief Spring	55	*	1
60-6370	Pin – Dowel	54	11	2
60-6400	Kit – Seal	55	*	1
60-6440	Eyelet	13	32	3
60-6450	Disc	13	2	A/R
60-6540	Bolt	1	25	1
60-6650	Bolt	11	60	2
60-6650	Screw – Cap Hex. Hd.	59	16	2
60-6660	Nut – Hex	22	7	2
60-6740	Washer	2	38	3
60-6780	Bolt	37	28	4
60-6870	Bolt	22	18	3
60-6870	Bolt	35	21	4
60-6990	Washer	29	19	18
60-6990	Washer	1	29	1
60-7040	Bolt	43	10	2
60-7050	Bolt	44	4	2
60-7050	Bolt	37	7	8
60-7060	O-Ring	37	6	1
60-7110	Bolt	39	5	2
60-7110	Bolt	42	12	16
60-7110	Bolt	36	17	2
60-7110	Bolt	41	37	2
60-7110	Bolt	38	46	2
60-7120	Nut	45	32	3
60-7180	Bolt	37	1	1
60-7190	Gasket	45	35	1
60-7200	Plate – Flange	37	11	1
60-7210	Bolt	37	21	1
60-7260	Nut – Hex	46	11	1
60-7280	Bolt	43	1	8
60-7280	Bolt	36	16	2
60-7290	Bolt	44	25	2
60-7290	Bolt	41	29	4
60-7300	Bolt	43	11	2
60-7310	Bolt	36	35	1
60-7360	Bolt	42	19	1
60-7370	Bolt	41	4	5
60-7370	Bolt	49	7	1
60-7370	Bolt	42	17	2
60-7430	Oil Seal Assembly	39	13	1
60-7480	Bolt	39	10	7
60-7490	Bolt	39	12	8
61-3610	Decal	26	32	2
61-3610	Decal	27	52	3
62-2610	Strainer	15	16	1
62-6290	Decal – Lift Lever	7	26	1
62-6300	Sleeve Assembly	19	10	1
62-6320	Screw – Brass	38	33	1
62-6370	Kit – Seal	28	*	1
62-6400	Drive Hub Assembly	29	21	2
62-6410	Primary Carrier Assembly	31	*	1
62-6420	Secondary Carrier Assembly	31	*	1
62-6430	Gear – Primary Sun	31	*	1
62-6440	Foot Pad	3	3	1
62-6450	Kit – Retaining Ring	31	28	1
62-6460	Tube – RW Sealant	31	*	1
62-7400	Decal – Toro	2	46	1
62-7650	Gasket – Fuel Sender	20	9	1
62-7650	Gasket – Fuel Sender	21	9	1
63-4380	Decal – Instruction	67	2	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
63-4390	Bearing – Needle	54	6	1
63-4440	O-Ring	12	5	1
63-4480	Tire (Model 03702)	29	26	2
63-4510	Spring	12	15	1
63-4520	Kit – Seal	14	*	1
63-4530	Decal – Ground Speed	4	*	1
63-4540	Decal – Ground Speed	4	20	1
63-4560	Spring	46	2	1
63-4570	Lever	46	3	1
63-4580	Nut	46	4	2
63-4590	Screw – Vent	46	5	1
63-4600	Body – Screw Vent	46	6	1
63-4610	Washer	46	7	3
63-4620	Washer	46	8	4
63-4630	Key	46	9	1
63-4640	Washer – Lock	46	10	1
63-4650	Washer	47	6	2
63-4660	Washer	47	5	4
63-4670	Valve – Pressure	47	4	2
63-4680	Tube Assembly	59	8	1
63-4680	Tube Assembly	60	8	1
63-4690	Bracket – Valve	11	67	1
63-4700	Valve – Flow Regulator	11	72	1
63-4701	Valve – Flow Regulator	11	*	1
63-4710	Tube Assembly	61	37	1
63-4710	Tube Assembly	62	37	1
63-4740	Bolt –Cylinder Head	40	33	2
63-4780	Valve – Relief	12	8	1
63-4800	Valve – Control	10	9	1
63-4820	Detent – Block	12	25	1
63-4830	Screw – Cap Hd.	12	22	2
63-4840	Spool – Screw	12	26	1
63-4850	Plunger	12	18	1
63-4860	Circlip	12	14	1
63-7430	Gauge – Temperature	8	5	1
63-7590	Relay	5	10	1
63-7640	Sender – Fuel	20	8	1
63-8360	Key – Ignition	8	8	2
63-8410	Washer – Flat	20	25	2
63-8410	Washer – Flat	21	30	2
63-9920	Decal	4	24	1
65-5870	Tube – Manual	15	11	1
65-5890	Cap – Tube	15	8	2
66-2940	Gauge – Fuel	8	6	1
66-2950	Hourmeter	8	7	1
66-3160	Bolt	2	44	11
66-3160	Screw – Cap Hex. Hd.	15	2	6
66-5410	Orifice	10	41	1
66-5420	Sleeve	12	17	1
66-5430	Screw – Machine	12	21	2
66-5440	Nut – Lock	12	12	2
66-5580	Kit – Seal Repair	11	*	1
66-5590	Kit – Seal	11	*	1
66-5690	Kit – Seal Repair	65	*	1
66-5690	Kit – Seal Repair	66	*	1
66-5700	Reel Motor Assembly	65	*	1
66-5700	Reel Motor Assembly	66	*	1
66-5710	Seal – Shaft	65	13	1
66-5710	Seal – Shaft	66	13	1
66-5720	Housing/Bushings Assembly	65	1	1
66-5730	Plate & Bushings Assembly	65	8	1
66-5730	Plate & Bushings Assembly	66	8	1
66-5740	Body	65	6	1
66-5740	Body	66	6	1
66-5750	Gear – Idler	65	2	1
66-5750	Gear – Idler	66	2	1
66-5760	Gear – Drive	65	3	1
66-5760	Gear – Drive	66	3	1
66-5770	Screw – Cap Soc. Hd.	65	9	8
66-5770	Screw – Cap Soc. Hd.	66	9	8
66-5840	Kit – Seal Repair	30	*	1
66-5860	Adapter – 45°	11	55	1
66-6140	Decal – TORO	20	16	1
66-6140	Decal – TORO	21	21	1
68-6030	Bolt	38	26	2
68-6040	Bracket – Latch	17	26	2
68-6150	Breather	7	15	1
68-6230	Tube Kit	59	6	1
68-6230	Tube Kit	60	6	1
68-6270	Tube Kit	59	21	1
68-6270	Tube Kit	60	21	1
68-6310	Tube Kit	57	29	1
68-6310	Tube Kit	58	29	1
68-6340	Tube Kit	58	30	1
68-6340	Tube Kit	57	30	1
68-6370	Tube Kit	59	13	1
68-6370	Tube Kit	60	13	1
68-6400	Oil Pan Assembly	42	15	1
68-6410	Gasket	42	9	1
68-6420	Plug	42	11	1
68-6430	Gasket	42	10	1
68-6440	Dipstick	42	14	1
68-6460	Kit – Relief Valve	54	32	2
68-6480	Bushing	26	2	4
68-6480	Bushing	27	23	6
68-7575	Strip – Sealing	18	12	3
68-7810	Panel – Lining	7	48	1
68-7840	Strip – Foam	7	33	1
68-7850	Strip – Foam	15	26	1
68-8080	Wheel – Steering	4	3	1
69-1830	Plug Assembly	13	14	1
69-1940	Indicator – Electrical	43	12	1
69-2960	Hub – Wheel, Rear	32	9	2
69-2970	Cap – Hub	32	16	2
69-2980	Seal – Inner	32	22	2
69-2990	Screw – Drive	32	8	10
69-4780	Clamp – Gauge	5	15	2
69-6470	Bushing – Flange	32	5	4
69-7360	Spindle – Wheel RH	33	47	1
69-7370	Spindle – Wheel LH	32	7	1
69-8890	Cap – Spindle	32	2	2
69-9550	Plate – Pump Adapter	35	17	1
69-9810	Joint – Ball	33	45	1
69-9880	Tire (Used on Model 03702)	32	12	2
70-1240	Plug Assembly	54	3	2
70-5040	Hose – By-Pass	38	32	1
70-8290	Washer – Sealing	6	17	7
71-4040	Assembly – Filler Cap	15	12	1
71-4200	Cluster – Warning Lights	5	2	1
71-4210	Cluster – Warning Lights	5	1	1
72-0130	Button – Horn	4	1	1
72-0140	Gasket	44	6	4
72-0150	Nozzle Assembly	44	*	4
72-0160	Nozzle Tip Assembly	44	7	4
72-0170	Pipe – Injector No. 1	45	29	1
72-0180	Pipe – Injector No. 2	44	16	1
72-0190	Pipe – Injector No.3	44	28	1
72-0200	Pipe – Injector No. 4	44	19	1
72-0210	Pipe – Fuel Leak-Off	44	17	1
72-0270	Nut – Retaining	44	8	4
72-0280	Spacer	44	9	4
72-0290	Pin – Pressure	44	10	4
72-0300	Spring – Pressure	44	11	4
72-0310	Nut	44	15	4
72-0320	Nozzle – Body	44	13	4
72-0330	Packing	44	14	4
72-9760	Switch – Override	8	19	1
74-2710	Clamp – Split	61	22	4
74-2720	Valve – Steering	4	6	1
74-2730	Spacer	61	44	4
74-2750	Retainer	61	21	2
74-2780	Tube Assembly	57	32	1
74-2780	Tube Assembly	58	32	1
74-2790	Tube Assembly	57	36	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
74-2790	Tube Assembly	58	36	1
74-2810	Tube Assembly	57	35	1
74-2810	Tube Assembly	58	35	1
74-2820	Tube Assembly	57	28	1
74-2820	Tube Assembly	58	28	1
74-2850	Muffler	22	11	1
74-2900	Spark Arrester - Muffler	22	*	1
74-2920	Carrier - Front	23	7	1
74-3090	Spring	6	20	2
74-3100	Plate - Spacer	6	13	1
74-3130	Plug - Retainer	6	21	2
74-3140	Ball - Check	6	22	2
74-3150	Plug - Metering	14	16	1
74-3170	Linkage - Cross Cut Control	11	74	1
74-3190	Lever - Lift	10	2	3
74-3210	Stud	56	*	8
74-3230	Drive Gear - Spline	56	*	1
74-3240	Driven Gear	56	11	1
74-9100	Pad - Forward	1	3	1
74-9110	Pad - Reverse	1	4	1
75-6700	Sensor - Magnetic	29	45	1
75-7790	Handle	18	15	2
75-8200	Hose Assembly	57	2	1
75-8200	Hose Assembly	58	2	1
75-8210	Hose Assembly	57	7	1
75-8210	Hose Assembly	58	7	1
76-2290	Spacer	18	19	2
76-3280	Pedal - Traction	1	2	1
76-3330	Spacer	2	62	1
76-3340	Link	2	61	1
76-3350	Spacer	2	53	1
76-3370	Bushing	2	58	1
76-3430	Rod	2	54	1
76-3470	Tube - Exhaust	22	8	1
76-3560	Clamp - Exhaust	22	41	1
76-8750	Plate - Caution	18	27	1
77-3620	Knob - Retainer	17	10	2
77-4800	Cylinder - Steering	32	36	1
77-4830	Decal	4	5	1
77-4840	Speedometer	8	4	1
77-4860	Assembly - Seat	16	*	1
80-3330	Gasket	19	13	1
80-9330	Alarm - Audio	5	6	1
82-2710	Screw	16	35	1
82-2720	Frame - Seat	16	23	1
82-2730	Kit - Wear Parts	16	4	1
82-2740	Spring Set - Tension	16	5	1
82-2750	Spindle Adj. Assembly	16	34	1
82-2760	Kit - Bushing	16	41	1
82-2770	Shock Absorber Assembly	16	38	1
82-2790	Rail - Adjust. R.H.	16	21	1
82-2800	Cushion - Backrest	16	12	1
82-2810	Switch Assembly	16	25	1
82-2820	Swing Arm Assembly	16	20	1
82-2830	Clamp	16	37	2
82-2840	Cushion - Bottom	16	15	1
82-2850	Plate	16	1	1
82-2860	Spring Set - Tension	16	33	1
82-2870	Lever - Adjust	16	7	1
82-2880	Weight Adj. Assembly	16	*	1
82-3110	Sender - Temp.	38	22	1
82-4910	Roller	22	22	8
82-5730	Rod Tie, End	34	15	1
82-5740	Nut - Jam	34	14	1
82-5750	Nut - Lock	34	12	1
82-5760	Piston	34	11	1
82-5770	Rod	34	2	1
82-5780	Cap - Threaded	34	1	1
82-5790	Head - Cap	34	5	1
82-5800	Kit - Repair, Seal	34	*	1
82-5890	Panel - Display	4	26	1
82-5930	Wire - Jumper	63	6	1
82-5940	Wire - Jumper	63	4	1
82-8700	Ring - Retaining	31	25	2
82-9210	Shaft - Pivot	32	42	1
82-9230	Harness - Wire	63	1	2
82-9250	Stud - Threaded	23	1	2
82-9260	Tie Rod Assembly	32	27	1
82-9270	Disc - 27 Hole	29	*	1
82-9280	Disc - 22 Hole	29	42	1
82-9310	Panel - Display	4	25	1
82-9330	Bracket - Sensor	29	4	1
82-9340	Switch - Oil Level	15	10	1
82-9360	Rod - Latch	23	13	2
82-9370	Pad - Step	23	9	1
82-9540	Lift Arm No. 1	27	41	1
82-9550	No. 2 Lift Arm	26	12	1
82-9560	No. 3 Lift Arm	26	1	1
82-9570	Lift Arm No. 4	27	24	1
82-9580	Lift Arm No. 5	27	*	1
82-9600	Decal R.H.	20	*49	1
82-9600	Decal R.H.	21	*	1
82-9610	Decal L.H.	20	48	1
82-9610	Decal L.H.	21	39	1
82-9620	Washer - Spring	16	26	2
82-9630	Nut	16	27	2
82-9640	Screw	16	24	2
82-9650	Nut	16	19	4
82-9660	Washer	16	18	4
82-9670	Nut	16	39	1
82-9680	Rivet	16	2	2
82-9690	Screw	16	17	4
82-9700	Screw	16	3	1
82-9710	Trim - Bottom	16	22	1
82-9720	Trim - Backrest	16	32	1
82-9730	Wire - Jumper	63	5	2
82-9740	Wire - Jumper	63	7	1
82-9750	Jumper Assembly	64	18	1
82-9760	Harness - Wiring Gauges	64	7	1
82-9770	Harness - Wire	63	8	1
82-9780	Harness - Wire	63	3	1
82-9790	Harness - Wiring Valve	64	9	1
82-9800	Harness - Wire	64	14	1
82-9810	Harness - Wiring Traction	64	10	1
82-9820	Harness - Wire	63	2	1
82-9840	Hose - Hydraulic	32	35	1
82-9840	Hose Assembly	57	16	1
82-9840	Hose Assembly	58	16	1
82-9841	Hose - Hydraulic	32	37	1
82-9841	Hose Assembly	57	11	1
82-9841	Hose Assembly	58	11	1
82-9850	Axle - Rear	32	6	1
82-9940	Harness - Wire Horn	64	12	1
84-6200	Valve - Lift Control	10	15	1
84-6210	Hydraulic Cylinder Assembly	27	28	3
84-6210	Hydraulic Cylinder Assembly	26	31	2
84-6230	Hose Assembly	59	33	1
84-6230	Hose Assembly	60	33	1
84-6240	Hose Assembly	59	4	1
84-6240	Hose Assembly	60	4	1
84-6400	Orifice - .047 Dia.	13	39	2
84-6401	Orifice - .052 Dia.	13	40	1
84-6420	Plunger	13	37	2
84-6430	Plunger	13	29	1
84-6440	Shield - Grass	30	20	1
84-6450	Spring	13	19	1
84-6470	Bracket - Filter	9	32	1
84-6480	Plate - Decal	23	24	1
86-5480	Fitting - Diagnostic	52	2	1
86-5990	Harness - Hyd. Filter	63	9	1
86-6000	Gear Pump Assembly	52	15	1
86-6001	Gear Pump Assembly	52	15	1
86-6010	Cover - Front	56	4	1
86-6020	Center S/A Section	56	8	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
86–6030	Port Section – Rear	56	13	1
86–6040	O–Ring	56	15	1
86–6050	Plug	56	16	1
86–6060	Center S/A Section	56	*	1
86–6070	Plate – Wear	56	7	2
86–6080	O–Ring Seal	56	12	2
86–6090	Hydraulic Oil Filter Assembly	9	22	1
86–6100	Switch – Filter Warning	9	21	1
86–6110	Element Assembly	9	11	1
86–6120	Decal – Towing	23	15	1
86–6130	Stud – Ball	17	12	4
86–6200	Guide – Valve	40	14	8
86–6210	Retainer – Upper	41	42	8
86–6220	Tappet	41	39	8
86–6230	Bolt	36	29	6
86–6240	Plug – Taper	36	28	3
86–6250	Plate – Front	36	36	1
86–6270	Gasket	39	24	1
86–6280	Crankshaft Assembly	39	25	1
86–6290	Idler Gear Assembly	37	9	1
86–6300	Bushing	37	18	1
86–6310	Gear – Injector Pump	37	15	1
86–6320	Shaft	38	12	1
86–6330	Pipe	38	17	1
86–6340	Impeller	38	19	1
86–6350	Ring – Retaining	38	43	1
86–6360	Washer	38	42	1
86–6370	Spacer	38	41	1
86–6380	Washer	45	34	3
86–6390	Stud	45	36	3
86–6400	Diode	49	21	1
86–6400	Diode	64	24	1
86–6430	Rear Cover Assembly	51	12	1
86–6440	Rectifier Assembly	51	13	1
86–6450	Kit – Seal	56	*	1
86–6470	Decal – RM4500D	17	31	2
86–6520	Switch – Temp. Warning	40	1	1
86–6610	Bolt – Inlet	47	18	1
86–6620	Bolt	47	16	1
86–6630	Seal – Rubber	47	15	1
86–6640	Seal O–Ring	47	14	1
86–6650	Bolt – Outlet	46	16	1
86–6660	Joint	47	17	1
86–6670	Tube – Fuel	47	19	1
86–6680	Lever Assembly	46	*	1
86–6680	Nut	46	25	1
86–6690	Lever	46	19	1
86–6700	Bushing	46	18	1
86–6710	Arm	46	20	1
86–6720	Washer	46	22	1
86–6730	Spring	46	21	1
86–6740	Guide	46	23	1
86–6750	Washer	46	17	2
86–6760	Guide	46	1	1
86–6770	Screw	46	24	1
86–6790	Washer	46	26	1
86–6800	Bolt	46	28	1
86–6810	Pipe Assembly	46	29	1
86–6820	Bolt	46	27	2
87–7540	Cap – Fuel	20	13	1
87–7540	Cap – Fuel	21	17	1
88–6760	Spring – Gas	17	17	2
92–2950	Spacer	22	47	1
92–2951	Rail – Adjust. L.H.	16	16	1
92–2961	Fan	38	4	1
92–2986	Engine – Complete	36	*	1
92–3044	Clamp – Tube	22	46	2
92–4702	W.A. Body – Lower	21	24	1
92–4703	Lower Body Assembly	20	19	1
92–4712	Canopy – Front	17	32	1
92–4725	Hose Assembly	57	15	1
92–4725	Hose Assembly	58	15	1
92–4729	Radiator Assembly	18	20	1
92–4730	Plate – Floor	2	40	1
92–4731	Pipe – Intake	43	17	1
92–4746	Fender – RH	7	38	1
92–4751	Tube – Breather	7	16	1
92–4752	Hose – Intake	43	19	1
92–4752	Hose – Intake	18	25	1
92–4753	Strap – Oil Cooler	18	14	2
92–4754	Bracket – Cable	43	13	1
92–4754	Bracket – Cable	9	43	1
92–4760	Spacer – Fan	38	44	1
92–4761	Chassis	22	29	1
92–4766	Hose – Fuel	20	1	2
92–4768	Tiedown	22	43	2
92–4790	Tank – Fuel	20	15	1
92–4792	Canopy – Center	17	43	1
92–4793	Screen – Rear	17	6	1
92–4795	Hose – Radiator Lower	18	3	1
92–4796	Hose – Radiator Upper	18	7	1
92–4797	Hose – Fuel Fill	20	14	1
92–4798	Shroud – Fan	18	24	1
92–4799	Fitting – Hydraulic Tee	7	42	1
92–4799	Fitting – Hydraulic Tee	52	4	1
92–5253	Strip – Sealing	17	7	1
92–5254	Clutch – Fan	38	3	1
92–5256	Bushing – Universal	8	27	2
92–5257	Plate	8	28	1
92–5258	Shield – Glow Plug Indicator	8	29	1
92–5259	Piston Std.	40	19	4
92–5260	Piston .05 0.25mm	40	*	4
92–5261	Piston .05 0.5mm	40	*	4
92–5262	Piston Ring Set Std.	40	17	1
92–5263	Piston Ring Set 0.5. 0.25mm	40	*	1
92–5264	Piston Ring Set 0.5. 0.50mm	40	*	1
92–5265	Jet – Combustion Std.	40	29	4
92–5266	Gasket – Cylinder Head	40	30	1
92–5267	Cylinder Head Assembly	40	31	1
92–5268	Engine Gasket Kit	36	*	1
92–5269	Bellows	20	37	1
92–5269	Bellows	21	43	1
92–5270	Baffle – Lower Body	17	18	1
92–5524	Decal	4	14	1
92–5652	Bracket – Gas Spring	17	38	2
92–5653	Ring – Clamp	20	36	1
92–5653	Ring – Clamp	21	42	1
92–5654	Panel – Clean Out	21	40	1
92–5654	Panel – Clean–Out	20	34	1
92–5655	Spacer	17	2	2
92–5656	Plate – Face, Instrument	8	3	1
92–5657	Panel – Instrument	8	11	1
92–5670	Strip – Sealing	20	18	2
92–5670	Strip – Sealing	21	23	2
92–5671	Strip – Sealing	20	17	1
92–5671	Strip – Sealing	21	22	1
92–5672	Support – Foam Top/Side	17	35	1
92–5673	Support – Foam Front	17	33	1
92–5674	Neck – Fuel Fill	20	12	1
92–5674	Neck – Fuel Fill	21	16	1
92–5675	Grommet	20	11	1
92–5675	Grommet	21	18	1
92–5678	Foam – Top	17	36	1
92–5679	Foam – Front	17	34	1
92–5680	Foam – Side RH	17	*	1
92–5681	Foam – Side LH	17	30	1
92–5682	Seal	7	23	1
92–5685	Harness – Wiring Main	64	17	1
92–5694	Hose – Hydraulic	7	35	1
92–5697	Screw – Hex. Socket Hd.	38	45	4
92–6059	Plug – Button	22	45	12
92–6060	Strip – Sealing	17	39	1
92–6061	Standpipe	20	3	2
92–6062	Foam – Radiator Seal	18	13	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
92-6064	Clamp - R	20	44	2
92-6064	R-Clamp	21	14	3
92-6065	Shield	18	34	1
92-6068	Hose - Vent	20	45	1
92-6069	Shield - Exhaust	20	22	1
92-6069	Shield - Exhaust	21	27	1
92-6081	Foam - Dampener	7	51	1
92-6094	Bolt	37	4	1
92-6096	Case - Timing Gear	37	23	1
92-9253	Assembly - Relief Valve	53	23	1
92-9254	O-Ring	53	26	1
92-9255	O-Ring	53	24	1
92-9256	Washer - Back Up	53	25	1
92-9257	Kit - Seal Repair	53	*	1
92-9258	Fitting - Check Valve	11	77	3
92-9259	Backplate/Relief Assy.	66	21	1
92-9260	Assembly - Relief Valve	66	15	2
92-9261	O-Ring	66	16	2
92-9264	Backplate/Bushing Assy.	66	21	1
92-9265	Housing - Thermostat	38	29	1
92-9266	Standpipe	21	4	2
92-9267	Sender - Fuel	21	8	1
92-9268	Tank - Fuel	21	20	1
92-9270	Cover W.A.	15	18	1
92-9272	Hose - Fuel Fill	21	11	1
92-9273	Console - Center	7	7	1
92-9283	Hose - Vent, Fuel	21	12	
92-9284	Hose - Fuel, Suction	21	2	1
92-9285	Hose - Fuel, Return	21	1	1
217-116	Rim (Used on Model 03702)	32	14	2
218-446	Nut - Switch	8	15	1
218-447	Washer - Lock, Switch	8	16	1
218-498	Nut - Hex.	5	12	2
218-498	Nut - Hex.	8	13	2
219-17	Bulb - Warning Light	5	*	8
2116-3	Joint - Ball, L.H.	32	*	1
2116-4	Joint - Ball RH	32	23	1
232-27	Stem - Valve	32	19	2
233-10	Knob	10	19	1
233-25	Knob	9	15	1
233-39	Knob	10	1	3
237-21	O-Ring	29	1	2
237-21	O-Ring	10	11	1
237-21	O-Ring	7	27	5
237-22	O-Ring	59	3	31
237-22	O-Ring	29	6	2
237-22	O-Ring	4	9	4
237-22	O-Ring	57	12	22
237-22	O-Ring	52	18	4
237-22	O-Ring	26	27	2
237-22	O-Ring	10	30	15
237-22	O-Ring	27	38	3
237-22	O-Ring	32	38	2
237-22	Seal - O-Ring	7	39	2
237-30	O-Ring	52	23	1
237-30	O-Ring	52	35	1
237-30	O-Ring	57	50	1
237-30	Seal - O-Ring	59	39	1
237-42	O-Ring	59	1	7
237-42	O-Ring	52	3	1
237-42	O-Ring	29	8	2
237-42	O-Ring	7	10	5
237-42	O-Ring	26	25	2
237-42	O-Ring	10	32	11
237-42	O-Ring	11	61	1
237-42	O-Ring SAE	27	36	3
237-58	O-Ring	29	15	4
237-58	O-Ring	52	21	3
237-65	O-Ring	24	2	3
237-65	O-Ring	61	3	26
237-65	O-Ring	27	4	9
237-65	O-Ring	52	7	1
237-65	O-Ring	7	17	1
237-65	O-Ring	10	45	9
237-78	O-Ring	32	40	2
237-78	O-Ring	10	27	1
237-79	O-Ring	4	7	4
237-79	O-Ring	52	25	3
237-79	O-Ring	11	58	2
237-79	Seal - O-Ring	7	36	1
237-80	O-Ring	24	4	3
237-80	O-Ring	59	14	1
237-80	O-Ring	52	37	1
237-80	O-Ring	10	43	9
237-80	O-Ring	7	46	1
237-80	O-Ring SAE	27	6	6
237-81	O-Ring	61	1	10
237-81	O-Ring	52	9	3
237-81	O-Ring	29	13	4
237-100	Grommet	64	4	1
237-114	O-Ring	55	45	2
237-118	O-Ring	29	11	2
237-118	Seal - O-Ring	30	4	2
237-123	O-Ring	9	25	2
237-123	O-Ring	10	39	1
237-141	Grommet	17	27	4
237-146	O-Ring	52	29	1
240-9	Grommet	20	39	3
240-9	Grommet	21	45	3
240-11	Grommet	20	24	2
240-11	Grommet	21	29	2
2410-18	Plug	67	2	1
2411-44	Rod End - Ball Joint	2	52	1
2412-7	Clamp Assembly	32	25	2
2412-31	Clip	9	12	1
2412-42	Clamp - Hose	20	10	2
2412-42	Clamp - Hose	43	18	1
2412-42	Clamp - Hose	21	19	2
2412-42	Clamp - Hose	18	26	2
2412-74	Clamp-R	64	25	1
2412-92	Clamp - Hose	18	4	4
2412-102	R-Clamp	15	34	2
2412-106	Clamp - R	7	2	2
2412-108	Clamp - Hose	20	2	5
2412-108	Clamp - Hose	21	3	5
2412-109	Clip	64	3	1
2412-131	Clamp-R	64	21	3
2412-132	Clamp	22	13	1
2412-132	Clamp	57	18	1
252-66	Bearing - Thrust	30	15	1
252-71	Race - Thrust	30	14	1
254-72	Cup - Bearing, Outer	32	10	2
254-92	Cone - Bearing, Outer	32	11	2
254-106	Cone - Bearing Inner	32	21	2
254-107	Cup - Bearing Inner	32	20	2
256-304	Washer - Thrust	32	4	4
281-2	Plug Pipe	18	8	1
283-67	Pin - Clevis	29	38	4
302-5	Fitting - Grease	23	16	2
302-5	Fitting - Grease	27	20	3
302-5	Fitting - Grease	33	44	4
302-33	Fitting - Grease	32	24	2
302-66	Fitting - Grease	12	24	1
304-46	Valve - Drain	18	35	1
321-2	Screw - Cap Hex. Hd.	20	21	9
321-2	Screw - Cap Hex. Hd.	21	26	9
321-3	Screw - Cap Hex Hd.	11	64	2
321-3	Screw - Cap Hex. Hd.	7	1	2
321-4	Screw - Cap Hex. Hd.	9	44	1
321-9	Screw - Cap Hex. Hd.	22	49	1
321-11	Screw- Cap Hex. Hd.	11	71	2
321-14	Screw - Cap Hex. Hd.	61	23	4
321-24	Screw - Cap Hex. Hd.	7	45	2
322-2	Screw - Cap Hex. Hd.	38	1	8

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
322–2	Screw – Cap Hex. Hd.	23	18	2
322–3	Screw – Cap Hex. Hd.	18	1	14
322–3	Screw – Cap Hex. Hd.	29	2	6
322–3	Screw – Cap Hex. Hd.	4	13	1
322–3	Screw – Cap Hex. Hd.	21	15	2
322–3	Screw – Cap Hex. Hd.	17	24	5
322–3	Screw – Cap Hex. Hd.	20	42	2
322–4	Screw – Cap Hex. Hd.	3	10	2
322–5	Screw – Cap Hex. Hd.	17	15	4
322–6	Bolt	9	29	2
322–9	Bolt	10	29	1
322–12	Bolt	27	1	4
322–12	Bolt	10	7	4
322–12	Screw – Cap Hex Hd.	24	1	2
323–4	Bolt	9	14	3
323–5	Screw – Cap Hex. Hd.	20	26	2
323–5	Screw – Cap Hex. Hd.	21	31	2
323–6	Bolt	27	11	2
323–6	Screw – Cap Hex. Hd.	35	29	4
323–7	Screw – Cap Hex. Hd.	35	28	4
323–8	Screw – Cap Hex. Hd.	4	23	4
323–13	Bolt	27	25	9
323–13	Bolt	26	34	6
323–18	Bolt	29	16	4
323–18	Screw – Cap Hex. Hd.	22	12	2
323–20	Bolt	29	27	4
325–2	Screw – Cap Hex. Hd.	23	22	2
325–5	Bolt	52	17	2
325–8	Screw – Cap Hex. Hd.	2	50	1
325–9	Bolt	1	12	1
325–17	Bolt	26	3	2
327–3	Bolt	29	20	16
3211–6	Screw – Cap Hex. Hd.	2	56	1
3213–2	Bolt	52	14	4
3213–20	Bolt	35	19	2
3217–5	Nut – Hex.	9	5	1
3217–5	Nut – Hex.	22	51	1
3217–5	Nut – Hex.	11	66	2
3217–6	Nut	4	11	1
3217–6	Nut – Hex	24	8	2
3217–6	Nut – Hex.	10	24	5
3217–6	Nut – Hex.	9	41	2
3217–6	Nut – Hex.	27	54	4
3217–7	Nut – Hex.	35	31	8
3217–9	Nut – Hex.	1	16	2
3217–29	Nut – Hex.	1	31	2
3219–5	Nut – Hex.	1	20	1
3219–5	Nut – Hex.	29	23	18
3220–11	Nut – Hex.	7	28	5
3234–4	Screw – Hex. Flange Hd.	20	33	4
3234–4	Screw – Hex. Flange Hd.	21	38	4
3234–5	Screw – Cap Hex. Hd.	20	46	2
3234–5	Screw – Hex. Flange Hd.	21	49	2
3234–11	Screw – Hex. Flange Hd.	18	18	2
3234–12	Screw – Hex. Flange Hd.	32	1	2
3234–13	Screw – Hex. Flange Hd.	17	13	9
3245–44	Screw – Set	11	73	1
3245–45	Screw – Set	11	75	2
3246–17	Screw – Set	65	10	2
3246–17	Screw – Set	66	10	2
3247–10	Screw – Set	29	22	4
3250–18	Screw – Mach. Pan Hd.	8	24	2
3250–25	Screw – Pan Hd.	17	20	4
3250–31	Screw – Pan Hd.	20	6	5
3250–31	Screw – Pan Hd.	17	25	8
3250–31	Screw – Pan Phil. Hd.	21	6	5
3250–40	Screw	1	27	2
3251–1	Screw – Pan Hd.	5	9	1
3251–4	Screw – Pan Hd.	5	7	4
3253–2	Washer – Lock	20	7	5
3253–2	Washer – Lock	21	7	5
3253–2	Washer – Lock	5	17	1
3253–2	Washer – Lock	17	21	4
3253–3	Washer – Lock	9	6	1
3253–3	Washer – Lock	22	50	1
3253–3	Washer – Lock	11	65	2
3253–4	Washer – Lock	18	2	6
3253–4	Washer – Lock	29	3	6
3253–4	Washer – Lock	24	7	2
3253–4	Washer – Lock	3	11	2
3253–4	Washer – Lock	4	12	1
3253–4	Washer – Lock	10	14	5
3253–4	Washer – Lock	23	19	2
3253–4	Washer – Lock	38	27	10
3253–4	Washer – Lock	27	53	6
3253–5	Washer – Lock	29	17	4
3253–5	Washer – Lock	4	22	4
3253–5	Washer – Lock	35	30	8
3253–5	Washer – Lock	2	33	2
3253–5	Washer – Lock	9	37	3
3253–5	Washer – Lock	27	50	2
3253–7	Washer – Lock	52	13	6
3253–7	Washer – Lock	35	20	2
3253–7	Washer – Lock	23	23	2
3253–15	Washer – Lock	15	7	6
3253–19	Washer – Lock	12	13	2
3255–5	Washer – Lock	38	39	1
3255–8	Washer – Lock	35	24	2
3255–9	Washer – Lock	35	25	1
3255–24	Washer – Lock	1	30	2
3256–3	Washer	27	12	2
3256–3	Washer – Flat	9	18	3
3256–3	Washer – Flat	29	40	4
3256–7	Washer – Flat	22	4	4
3256–13	Washer – Flat	12	20	2
3256–16	Washer – Flat	3	14	3
3256–16	Washer – Flat	61	20	4
3256–16	Washer – Flat	20	30	5
3256–16	Washer – Flat	21	35	5
3256–21	Washer – Flat	17	28	8
3256–22	Washer – Flat	9	7	1
3256–22	Washer – Flat	22	48	1
3256–22	Washer – Flat	7	49	16
3256–22	Washer – Flat	11	70	2
3256–23	Washer	27	7	4
3256–23	Washer – Flat	24	6	2
3256–23	Washer – Flat	10	13	5
3256–23	Washer – Flat	17	19	6
3256–23	Washer – Flat	9	39	4
3256–23	Washer – Flat	20	47	2
3256–23	Washer – Flat	21	48	2
3256–24	Washer	2	34	2
3256–24	Washer – Flat	18	21	2
3256–24	Washer – Flat	4	21	4
3256–24	Washer – Flat	15	35	4
3256–24	Washer – Flat	22	40	2
3256–24	Washer – Flat	11	76	2
3256–26	Washer – Flat	52	12	6
3256–26	Washer – Flat	26	16	2
3256–26	Washer – Flat	2	51	1
3256–27	Washer – Flat	29	41	16
3256–28	Washer – Flat	32	18	2
3256–45	Washer – Flat	2	57	2
3256–51	Washer – Flat	20	40	4
3256–51	Washer – Flat	21	46	4
3256–56	Washer – Flat	26	9	6
3256–56	Washer – Flat	27	51	9
3256–68	Washer	24	10	A/R
3256–71	Washer – Flat	18	23	4
3256–76	Washer – Flat	2	59	2
3258–19	Screw – Machine	19	6	2
3272–6	Pin – Cotter	29	35	4
3272–11	Pin – Cotter	15	4	2
3272–12	Pin – Cotter	32	29	4

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
3272–13	Pin – Cotter	32	15	2
3274–7	Bolt	1	32	2
3274–68	Screw – Hex. Button Hd.	4	28	4
3274–68	Screw – Mach.	8	2	4
3274–90	Screw	8	23	4
3285–11	Pin – Roll	27	39	3
3285–11	Pin – Spirol	23	10	2
3289–25	Screw – Socket Flat Hd.	22	42	4
3290–250	Pin – Hair, Cotter	15	6	2
3290–271	Rivet – Pop	18	28	2
3290–355	Clip – Retaining	15	1	1
3290–355	Pin – Hair Cotter	17	8	2
3290–378	Tie – Cable	64	1	7
3290–378	Tie – Cable	64	8	12
3290–482	Washer	1	17	2
3290–483	Washer	1	11	3
3296–2	Nut – Hex.	5	16	2
3296–6	Nut – Lock	2	63	1
3296–8	Nut – Lock	61	19	4
3296–8	Nut – Lock	11	68	2
3296–12	Nut – Lock	20	28	4
3296–12	Nut – Lock	21	33	4
3296–13	Nut – Hex.	9	10	1
3296–19	Nut – Lock	2	37	1
3296–23	Nut – Lock	26	5	2
3296–23	Nut – Lock	22	44	4
3296–25	Nut – Lock	2	55	1
3296–27	Nut – Hex.	17	29	8
3296–29	Nut – Lock	21	13	4
3296–29	Nut – Lock	17	14	9
3296–29	Nut – Lock	18	29	8
3296–29	Nut – Lock	20	43	4
3296–39	Nut – Lock	27	13	9
3296–39	Nut – Lock	18	22	2
3296–39	Nut – Lock	29	33	4
3296–39	Nut – Lock	26	37	6
3296–39	Nut – Lock	22	39	2
3296–42	Nut – Lock	7	4	2
3296–42	Nut – Lock	8	22	4
3296–42	Nut – Lock	4	30	4
3296–42	Nut – Lock	7	43	2
3296–49	Nut – Lock	32	32	1
3296–56	Nut – Lock	17	16	5
3296–56	Nut – Lock	20	35	6
3296–56	Nut – Lock	21	41	6
32103–3	Nut – Wing	67	4	1
32105–1	Screw – Cap Hex. Hd.	5	14	2
32107–11	Nut – Square	19	5	2
32121–11	Pin – Roll	2	60	2
32121–44	Pin – Roll	34	16	1
32121–118	Pin – Roll	10	26	2
32122–54	Screw – Mach. Slot. Hd.	67	1	1
32128–33	Nut – Flange Lock	20	23	3
32128–33	Nut – Lock, Flange Hd.	21	28	3
32136–2	Nut – Castle	32	30	2
32136–5	Nut – Castle	32	17	2
32136–13	Nut – Castle	32	31	2
32140–40	Screw – Self Tapping	15	14	6
32144–1	Screw – Cap Hex. Hd.	20	41	4
32144–1	Screw – Hex. Hd.	21	47	4
32144–19	Screw – Cap Hex. Hd.	5	13	4
32144–73	Screw – Cap Hex. Hd.	8	26	2
32144–107	Screw – Hex. Flange Hd.	15	17	6
32148–9	Nut – Insert	20	20	2
32148–9	Nut – Insert	21	25	2
32151–10	Ring – Retaining	32	3	2
32151–13	Ring – Retaining	30	9	1
32151–29	Ring – Retaining	30	13	2
3334–945	Cable – Tie	9	38	1
3334–945	Tie – Cable	64	2	4
340–2	Adapter	26	26	2
340–2	Fitting	29	7	2
340–2	Fitting	52	19	1
340–2	Fitting	10	31	5
340–3	Fitting	52	34	1
340–3	Fitting	11	57	2
340–4	Fitting	52	24	1
340–7	Fitting	27	5	2
340–7	Fitting	10	44	6
340–7	Fitting – Straight	24	3	3
340–8	Fitting	52	8	1
340–8	Fitting – Hydraulic Straight	61	2	10
340–9	Fitting	29	14	2
340–9	Fitting	52	22	1
340–10	Adapter	9	33	1
340–11	Fitting	29	44	2
340–11	Fitting – Long	52	20	1
340–15	Fitting 90°	52	30	1
340–17	Fitting	10	48	2
340–17	Fitting	27	49	1
340–18	Fitting	4	8	4
340–22	Fitting – Tee	27	3	2
340–23	Fitting – Hydraulic Cross	57	20	1
340–62	Kit – Flange	52	11	1
340–64	O–Ring	9	31	1
340–64	O–Ring	10	37	1
340–65	O–Ring	9	27	1
340–65	O–Ring	57	43	2
340–68	Fitting – Hydraulic Tee	59	24	3
340–68	Fitting – Hydraulic Tee	57	26	2
340–69	Fitting – Hydraulic Bulkhead	57	13	2
340–70	Nut – Bulkhead	57	31	4
340–70	Nut – Bulkhead	59	38	8
340–71	Fitting – Hydraulic Straight	59	26	4
340–72	Fitting – Hydraulic 90°	61	17	4
340–74	Nut – Bulkhead	61	45	7
340–76	Fitting – Adapter	61	28	3
340–77	Elbow – 90°	11	69	1
340–77	Fitting	27	37	3
340–77	Fitting – Hydraulic 90°	59	2	4
340–78	Nut – Bulkhead	57	53	1
340–80	Adapter	9	26	1
340–80	Fitting	10	38	1
340–86	Fitting – Hydraulic Tee	11	52	2
340–87	Fitting – Hydraulic 45°	59	28	1
340–89	Fitting – Hydraulic 45°	59	12	1
340–89	Fitting 45°	52	36	1
340–90	Fitting	29	43	2
340–92	Fitting	10	10	1
340–93	Fitting – Tee	27	14	1
340–97	Fitting – Hydraulic	32	39	1
340–117	Cap – Hydraulic	7	34	1
340–117	Fitting – Hydraulic Cap	52	38	1
353–947	Cap – Dust	52	1	1
353–947	Cap – Dust	7	8	5
353–947	Cap – Dust	11	63	1
353–948	Plug	30	3	2
353–949	O–Ring	29	18	2
353–961	Bayonet Flange	15	13	1
353–963	Gasket	15	15	2

*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 Reelmaster 4500D has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the center console near the floor plate on RH side. In any correspondence concerning the Reelmaster 4500D, 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 Reelmaster 4500D.
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
Foot Rest & Pedal Assembly	1–2
Foot Pads & Battery	3
Steering Tower	4
Steering Tower – Electrical Assembly	5
Power Steering Valve Assembly No. 74–2720	6
Fenders & Center Console Assembly	7
Instrument Panel	8
Parking Brake, Throttle & Oil Filter Assembly	9
Valve Controls Assembly	10–11
Reel Control Valve Assembly No. 63–4800	12
Control Valve Assembly 84–6200	13
Priority Flow Control Valve Assy. No. 58–5490 & 58–5491	14
Seat Platform & Filler Cap Assembly	15
Suspension Seat Assembly	16
Front & Rear Canopy Assembly	17
Radiator, Oil Cooler & Air Cleaner Assembly	18
Air Cleaner Assembly	19
Fuel Tank & Lower Body Assembly	20–21
Chassis & Muffler Assembly	22
Front Carrier Assembly	23
Push Rod Assembly	24
Reel Shut–Off Valve No. 58–5460	25
No. 2 & 3 Lift Arms Assembly	26
No. 1, 4 & 5 Lift Arms Assembly	27
Hydraulic Cylinder Assembly No. 84–6210	28
Traction Drive Assembly	29
Wheel Motor No. 58–5430	30
Planetary Gear Drive Assembly	31
Steering Axle	32–33
Hydraulic Cylinder No. 77–4800	34
Engine Installation Assembly	35
Crankcase Assembly	36
Timing Gear & Case Components	37
Water Pump & Thermostat Housing Assy.	38
Crankshaft & Flywheel Housing Components	39
Cylinder Head & Piston Components	40
Valve, Camshaft & Oil Pump Components	41
Oil Pan & Oil Filter	42
Intake & Exhaust Manifold	43
Injection Pump & Nozzle Components	44–45
Fuel Injection Pump No. 60–5100	46–76
Fuel Filter Assembly No. 60–5010	48
Electrical Component Parts	49
Starter Motor Assembly No.51–7590	50
Alternator Assembly No. 60–5421	51
Hydraulic Pump Connections	52
Gear Pump Assembly No. 58–5650	53
Piston Pump Assembly 58–5660	54–55
Pump Assembly No. 86–6000 & 86–6001	56
Hydraulic Circuit – Traction & Steering	57
Hydraulic Schematic – Traction & Steering	58
Hydraulic Circuit – Lift Arms	59
Hydraulic Schematic – Lift Arms	60
Hydraulic Circuit – Cutting Units	61
Hydraulic Schematic – Cutting Units	62
Electrical Schematic	63
Electrical System Diagram	64
Reel Motor Assembly No. 66–5700	65–66
Special Tools	67
Numerical Index	68–80

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.