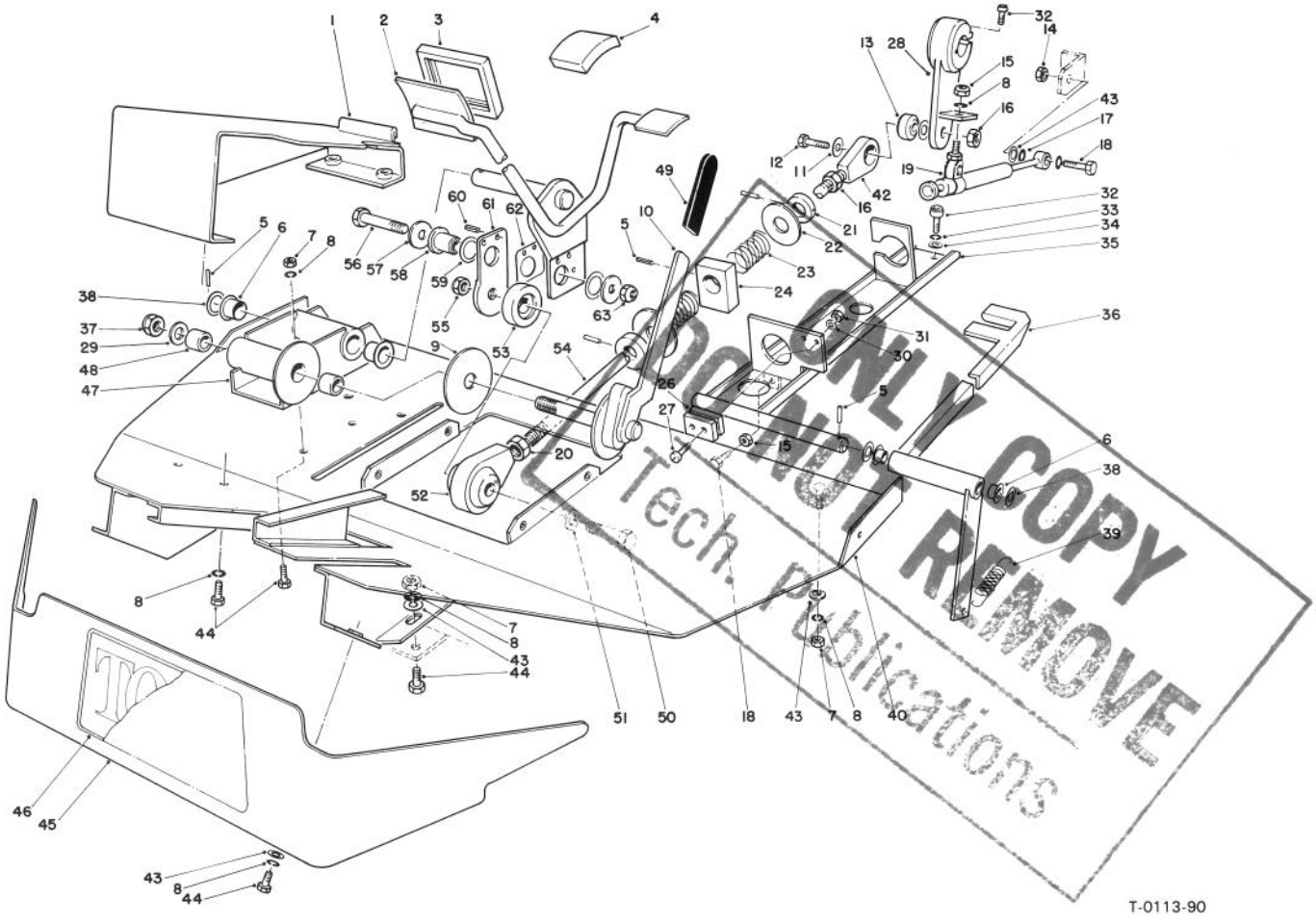
FORM NO. 3314-146

TORO®

MODEL NO. 03700-00001 & UP
MODEL NO. 03701-00001 & UP

PARTS CATALOG

REELMASTER 450-D

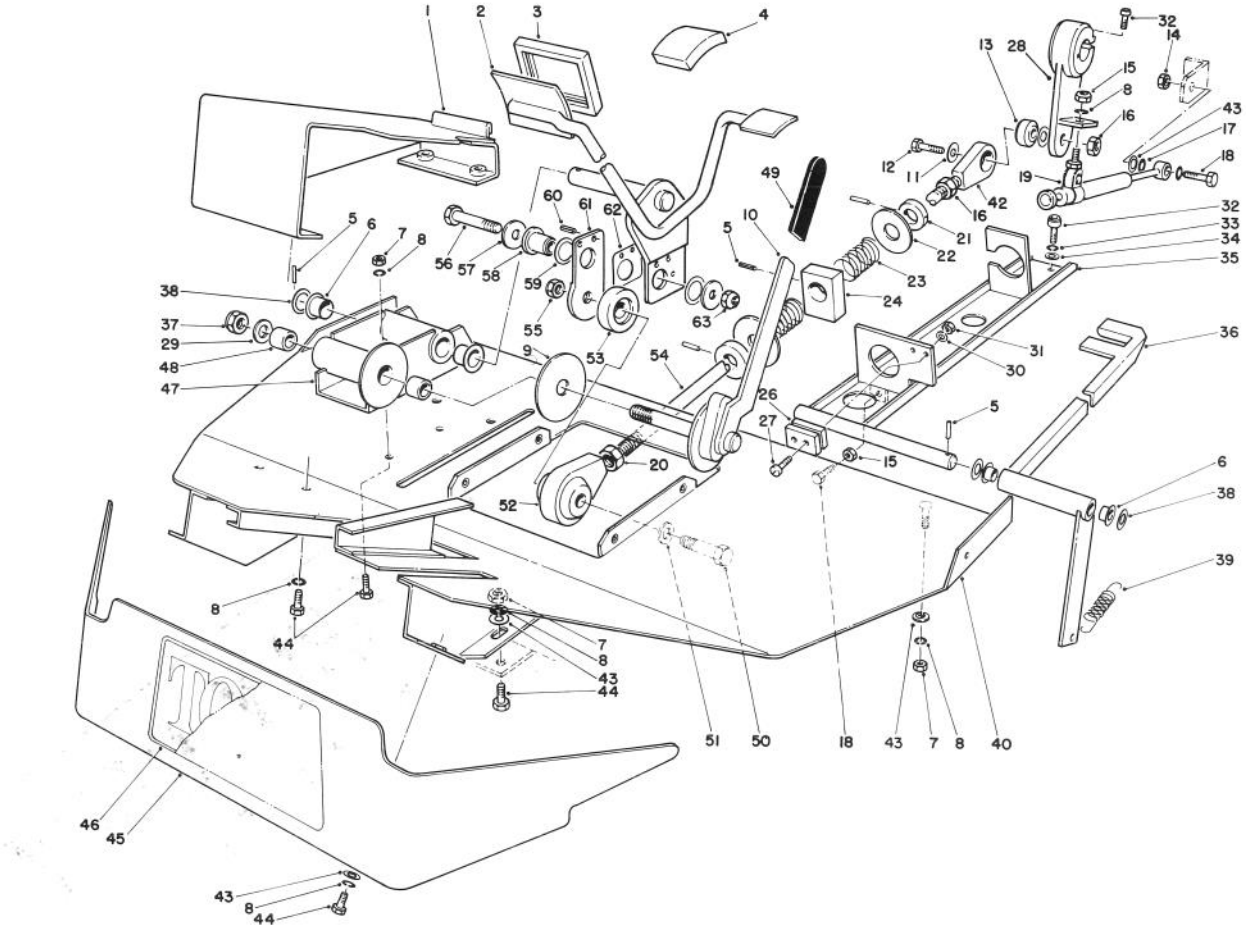


FOOT REST & PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58-9580	Foot Rest	1
2	76-3280	Pedal — Traction	1
3	49-6470	Pad — Forward	1
4	49-6430	Pad — Reverse	1
5	60-2110	Roll Pin	5
6	48-6790	Bushing — Flanged	4
7	48-7930	Nut — Hex	7
8	48-9570	Lockwasher	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	48-7940	Nut — Hex	3

Ref. No.	Part No.	Description	No. Used
16	3217-9	Nut — Hex	2
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
26	29-6162	Switch	2
27	3250-40	Screw	2
28	58-7800	Lever Pump	1
29	60-6990	Washer	1
30	3255-24	Washer	2
31	3217-29	Nut — Hex	2

© The Toro Company — 1989

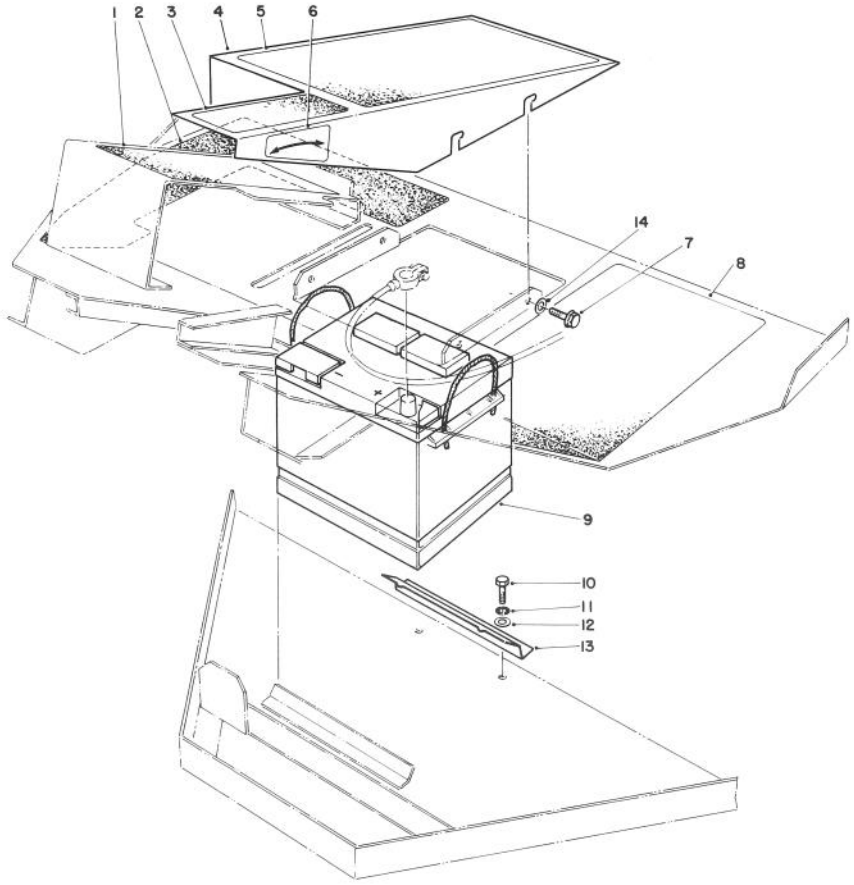


T-0113-90

FOOT REST & PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	60-6540	Bolt	3
33	48-9590	Lockwasher	2
34	48-9580	Washer	2
35	60-0730	Bracket — Neutral Lock	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	58-7290	Plate — Floor	1
42	60-0760	Clevis	1
43	48-8030	Washer	6
44	48-7710	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	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	3256-3	Washer	2
58	76-3370	Bushing	1
59	3256-76	Washer	2
60	32121-11	Roll Pin	2
61	76-3340	Link	1
62	76-3330	Spacer	1
63	3296-6	Nut — Lock	1



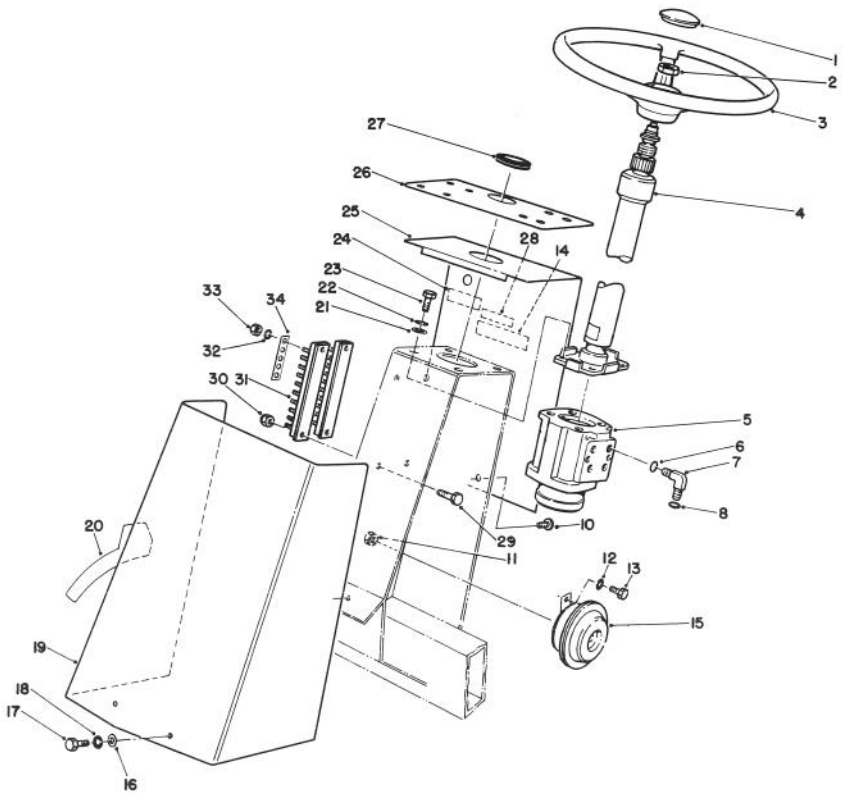
T-0114-90

FOOT PADS & BATTERY

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 — Hex Hd.	3

Ref. No.	Part No.	Description	No. Used
8	58-6620	Foot Pad — L.H.	1
9†		Battery	1
10	48-7700	Bolt	2
11	48-9570	Lockwasher	2
12	48-8030	Washer	2
13	58-7270	Bar — Clamp	1
14	3256-16	Washer — Flat	3

† Obtain Locally

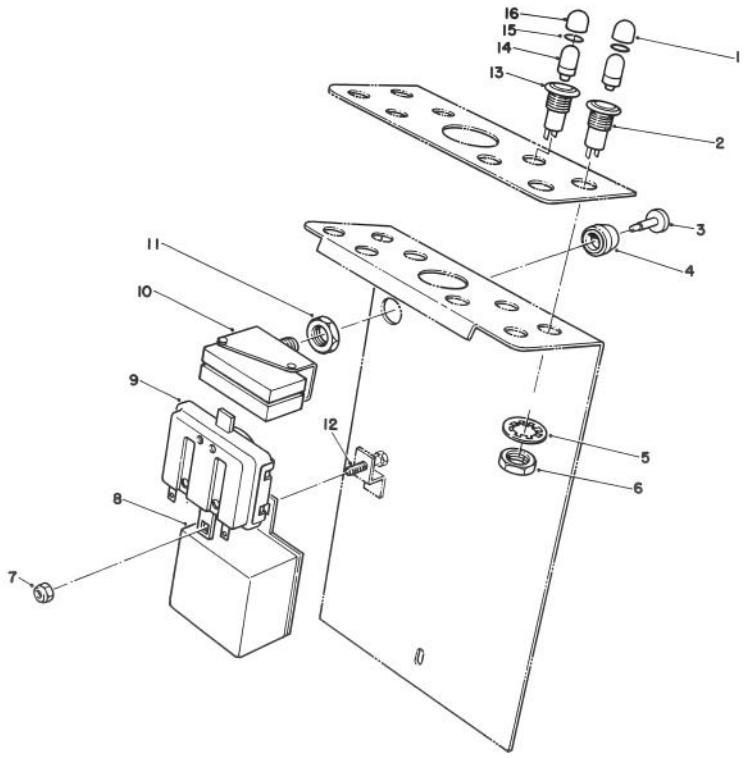


T-0115-90

STEERING TOWER

Ref. No.	Part No.	Description	No. Used
1	72-0130	Button — Horn	1
2	47-6990	Nut — Hex	1
3	68-8080	Steering Wheel	1
4	58-5960	Steering Column	1
5	74-2720	Valve — Steering	1
6	237-79	O-Ring	4
7	340-18	Fitting (Incl. Ref. #6 & 8)	4
8	237-22	O-Ring	4
10	60-3260	Screw	1
11	48-7930	Nut	1
12	48-9570	Lockwasher	1
13	48-7710	Capscrew	1
14	60-4080	Decal — Full Speed	1
15	48-4590	Horn	1
16	48-8010	Washer	2
17	48-7610	Capscrew	2
18	43-5930	Lockwasher	2
19	58-0500	Cover	1

Ref. No.	Part No.	Description	No. Used
20	63-4540	Decal — Ground Speed (Model 03700)	1
20	63-4530	Decal — Ground Speed (Model 03701)	1
21	3256-24	Washer	4
22	3253-5	Lockwasher	4
23	323-8	Capscrew	4
24	59-7210	Decal — Press to Test	1
25	74-2840	Panel — Display	1
26	58-6570	Panel — Face	1
27	60-0790	Grommet	1
28	44-7450	Decal — Noise Warning	1
29	3290-126	Screw — Cap, Hex Hd.	4
30	3296-2	Nut — Lock	4
31	59-7420	Strip — Terminal (Incl. Ref. #32-33)	2
32	3256-21	Washer — Flat	20
33	3219-14	Nut — Hex	20
34	60-1260	Link — Bar	1



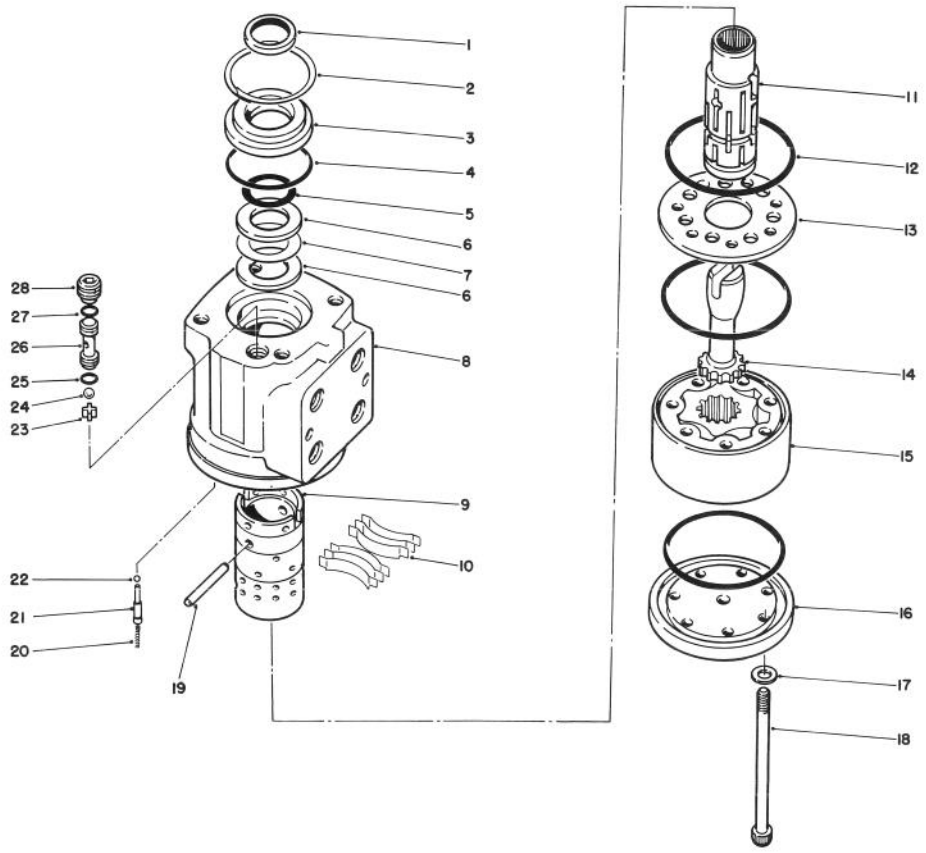
T-0116-90

STEERING TOWER — ELECTRICAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	218-533	Lens — Cap (Red)	5
2	44-2210	Body (Incl. Ref. #1, 5, 6, & 18)	5
3‡		Button — Push	1
4‡		Bezel — Locking	1
5	218-536	Lockwasher — Internal Tooth	8
6	218-535	Nut — Hex	8
7	3296-2	Nut — Lock	1
8	58-7480	Flasher	1

Ref. No.	Part No.	Description	No. Used
9	22-7820	Buzzer	1
10	59-7250	Switch (Incl. Ref. #3, 4 & 11)	1
11‡		Nut — Hex	1
12	3290-134	Screw — Machine Hex Hd.	1
13	44-2212	Body (Incl. Ref. #5, 6, 14 & 16)	3
14†		Lamp #1891	8
15	237-22	O-Ring	8
16	218-562	Lens — Cap (Amber)	3

† Obtain Locally
‡ Not Serviceable Separately.



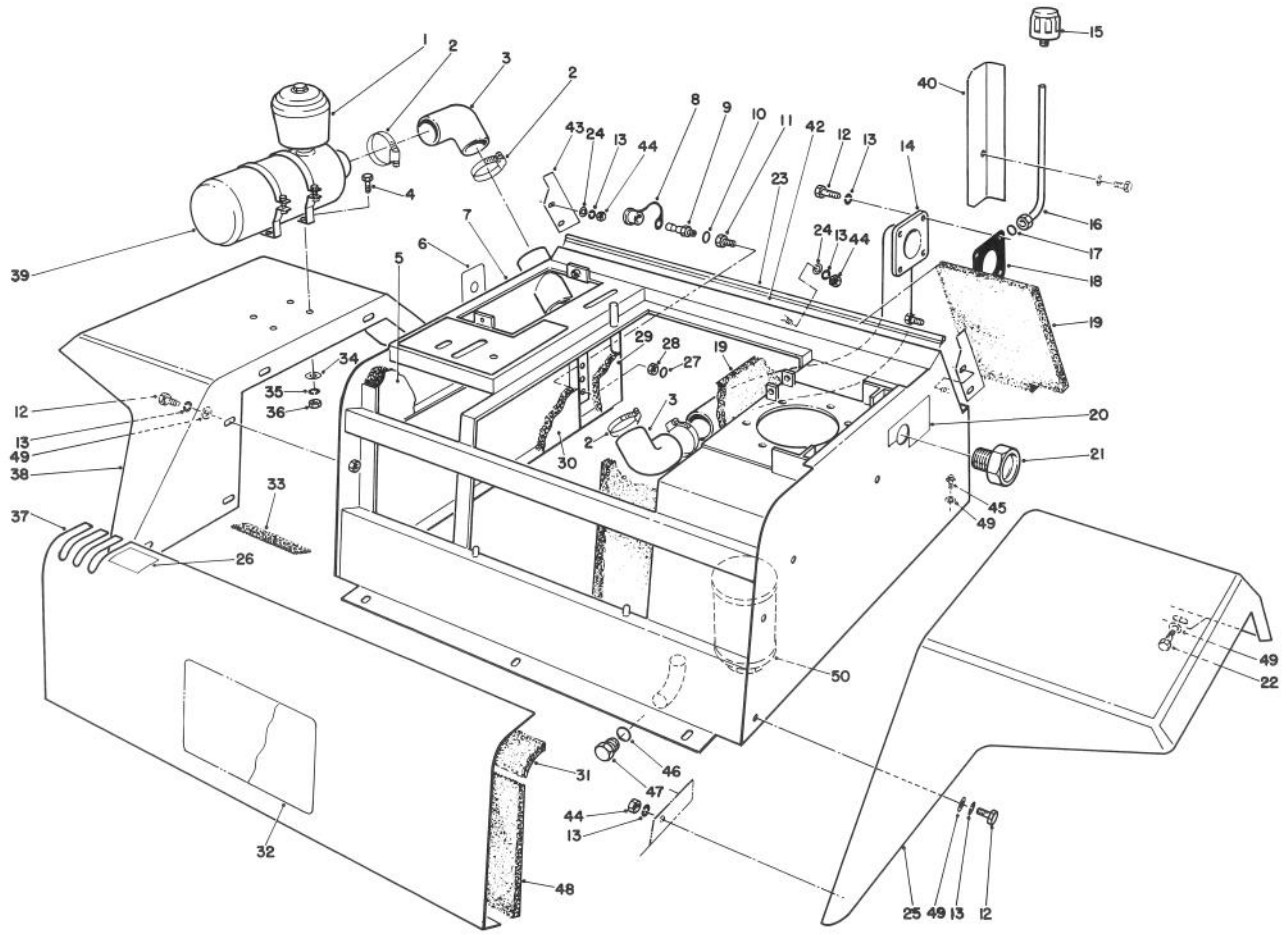
T-1065-90

POWER STEERING VALVE ASSEMBLY NO. 74-2720

Ref. No.	Part No.	Description	No. Used
1	49-0180	Seal 1" I.D.	1
2	52-9230	Ring — Retaining	1
3	52-9240	Bushing — Seal Gland	1
4	49-0190	Seal 1.875 I.D.	1
5	49-0200	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	Centering Spring Kit	1
11†		Spool — Control	1
12	49-0230	Seal	3
13	74-3100	Plate — Spacer	1
14	59-6860	Drive	1
15	59-6870	Gerotor	1
16	74-3080	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	Pin Kit — Centering	1
20	74-3090	Spring	2
21	74-3130	Plug — Retainer	2
22	74-3140	Ball — Check	2
23	52-9290	Retainer — Check Ball	1
24	52-9280	Ball — Check	1
25	49-0220	Seal	1
26	52-9270	Seat — Check Ball	1
27	49-0210	Seal	1
28	52-9260	Screw — Set	1
*	52-9250	Needle Bearing Kit (Incl. Ref. #7 & 8)	1
*	74-3120	Control Parts Assembly (Incl. Ref. #9-12, 19 & 25-27)	1
*	49-0170	Seal Kit (Incl. Ref. #2, 5, 6, 13, 22 & 24)	1

* Not Illustrated
† Not Serviceable Separately.

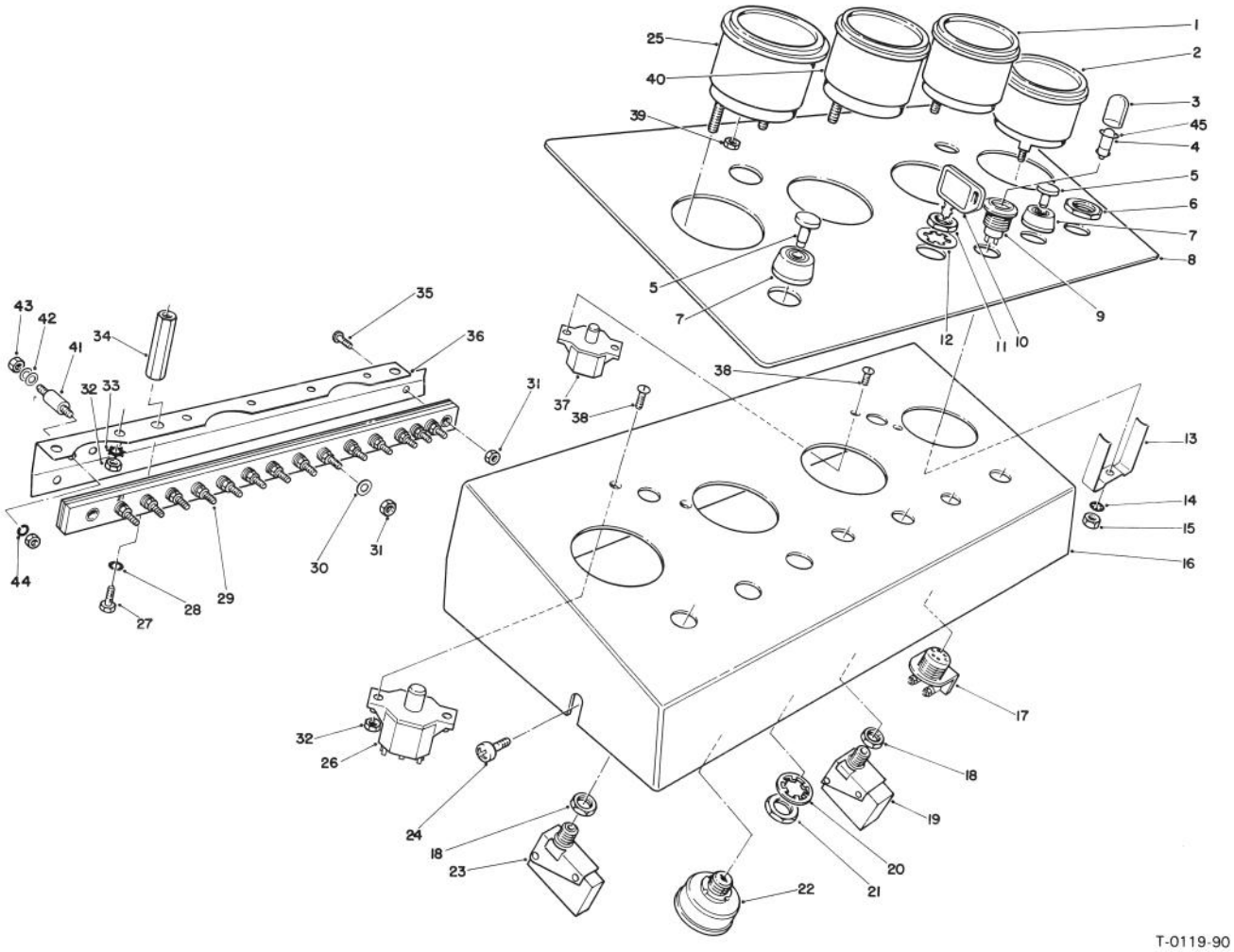


T-0118-90

FENDERS & CENTER CONSOLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	48-7430	Pre-Cleaner — Filter Assembly	1
2	2412-42	Clamp	4
3	60-0060	Elbow	2
4	48-7710	Bolt	4
5	68-7590	Panel — Lining	1
6	58-6680	Panel — Test Ports	1
7	58-1910	Center Console Assembly	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	14
13	43-5930	Lockwasher	22
14	60-4230	Pipe — Air Intake	1
15	68-6150	Breather	1
16	60-1870	Pipe Assembly	1
17	237-65	O-Ring	1
18	51-6550	Gasket	1
19	68-7610	Panel — Lining	1
20	59-7290	Decal Hyd. Fill	1
21	58-5940	Sight Glass	1
22	48-6900	Screw — Self-Tap	4
23	58-5360	Seal	1
24	48-8010	Washer	8

Ref. No.	Part No.	Description	No. Used
25	58-0980	Fender — L.H.	1
26	62-6290	Decal — Lift Lever	1
27	237-21	O-Ring	5
28	3220-11	Nut — Hex	5
29	68-7580	Panel — Lining	1
30	68-7600	Panel — Lining	1
31	68-7800	Panel — Lining	1
32	58-6540	Decal — Operator Warning	1
33	68-7840	Strip — Foam	1
34	48-8030	Washer	4
35	48-9570	Lockwasher	4
36	48-7930	Nut — Hex	4
37	58-1750	Panel — Access	1
38	58-0990	Fender — R.H.	1
39	48-4220	Air Filter Assembly	1
40	60-2020	Shield — Heat	1
42	58-3620	Seal Plate — Front	1
43	58-3070	Seal Plate — Side	2
44	48-7890	Nut	10
45	48-6900	Screw — Self-Tapping	2
46	237-80	O-Ring	1
47	58-9160	Plug — Drain	1
48	68-7810	Panel — Lining	1
49	3256-16	Washer	16
50	48-7120	Element — Suction	1



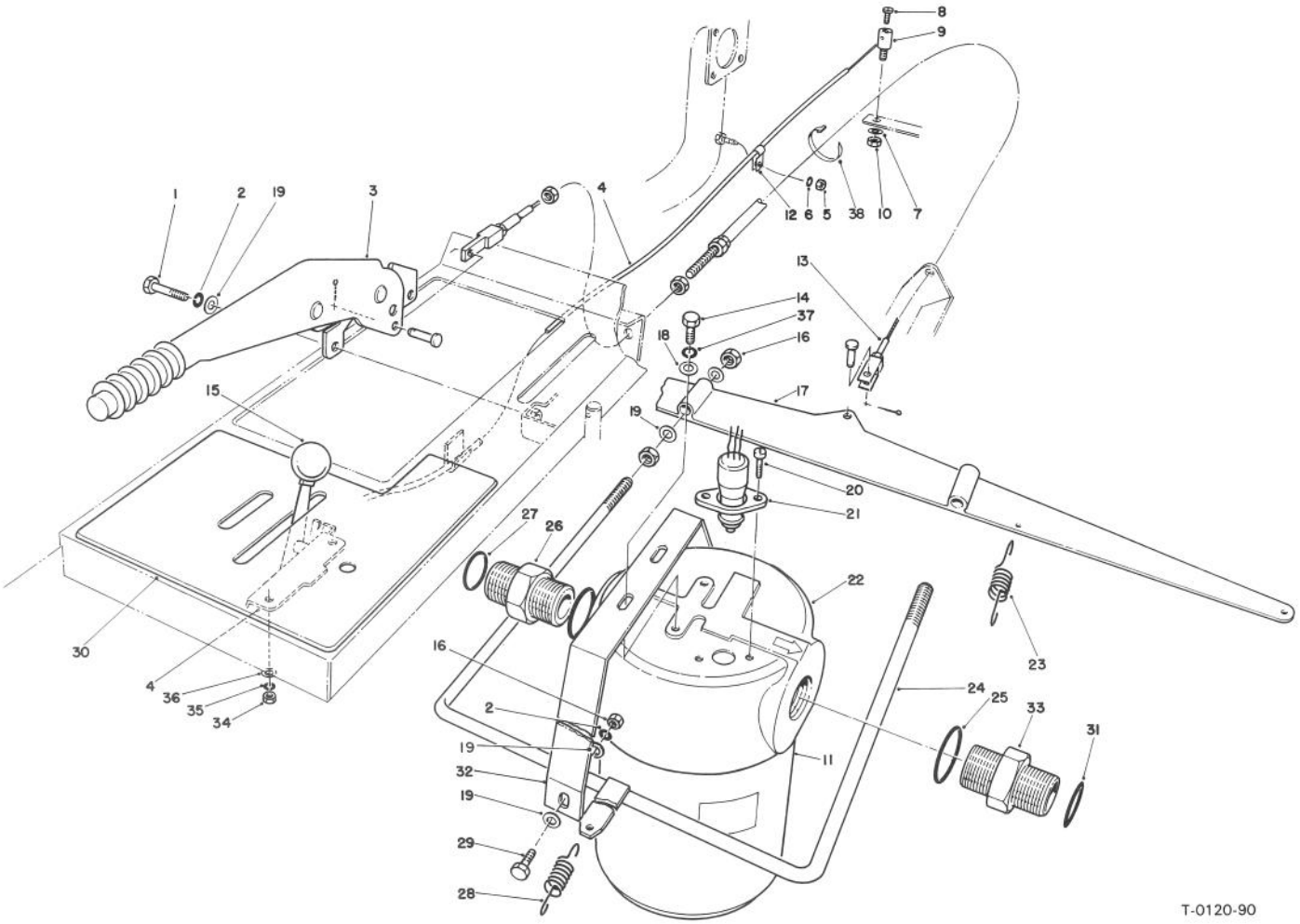
INSTRUMENT PANEL

Ref. No.	Part No.	Description	No. Used
1	58-5920	Ammeter (Incl. Ref. #32-33)	1
2	12-8130	Hourmeter (Incl. Ref. #13-15)	1
3	218-533	Lens — Red	1
4*		Lamp #1891	1
5†		Button — Push	2
6†		Nut — Hex	1
7†		Bezel	2
8	58-6550	Panel Face — Side Console	1
9	44-2210	Warning Light (Incl. Ref. #3, 4, 20 & 21)	1
10	63-8360	Key	1
11	218-446	Nut — Hex	1
12	218-447	Lockwasher — Internal Tooth	1
13	218-515	Clamp — Mounting	1
14	3255-5	Lockwasher	1
15	3217-26	Nut — Hex	1
16	58-2120	Panel — Instrument	1
17	58-2040	Indicator — Glow Plug (Incl. Ref. #6)	1
18†		Nut — Hex	2
19	59-7220	Switch — Glow Plug (Incl. Ref. #5, 7 & 18)	1
20	218-536	Lockwasher — Internal Tooth	1
21	218-535	Nut — Hex	1
22	27-2360	Switch — Ignition (Incl. Ref. #11 & 12)	1

Ref. No.	Part No.	Description	No. Used
23	58-6930	Switch — Engine Overide (Incl. Ref. #5, 7 & 18)	1
24	60-2170	Screw — Pan Head	2
25	59-7180	Gauge — Engine Temp. (Incl. Ref. #32-33)	1
26	43-4001	Circuit Breaker 10 Amp	1
27	48-7610	Capscrew	2
28	43-5930	Lockwasher	2
29	60-1610	Strip — Terminal	1
30	3256-21	Washer	14
31	3219-14	Nut — Hex	16
32	3217-25	Nut	10
33	3255-20	Lockwasher	6
34	60-1090	Spacer	2
35	3250-41	Screw — Pan Head	2
36	60-1080	Clamp — Gauge	1
37	43-4000	Circuit Breaker 40 Amp	1
38	32108-102	Screw — Slotted Head	4
39	3217-16	Nut — Hex	6
40	58-5900	Gauge—Fuel (incl. Ref. #32-33)	1
41	60-4450	Spacer — Insulating	1
42	52-6430	Washer	2
43	48-7880	Nut	2
44	48-8000	Lockwasher	1
45	237-22	O-Ring	1

* Obtain Locally

† Not Serviceable Separately.

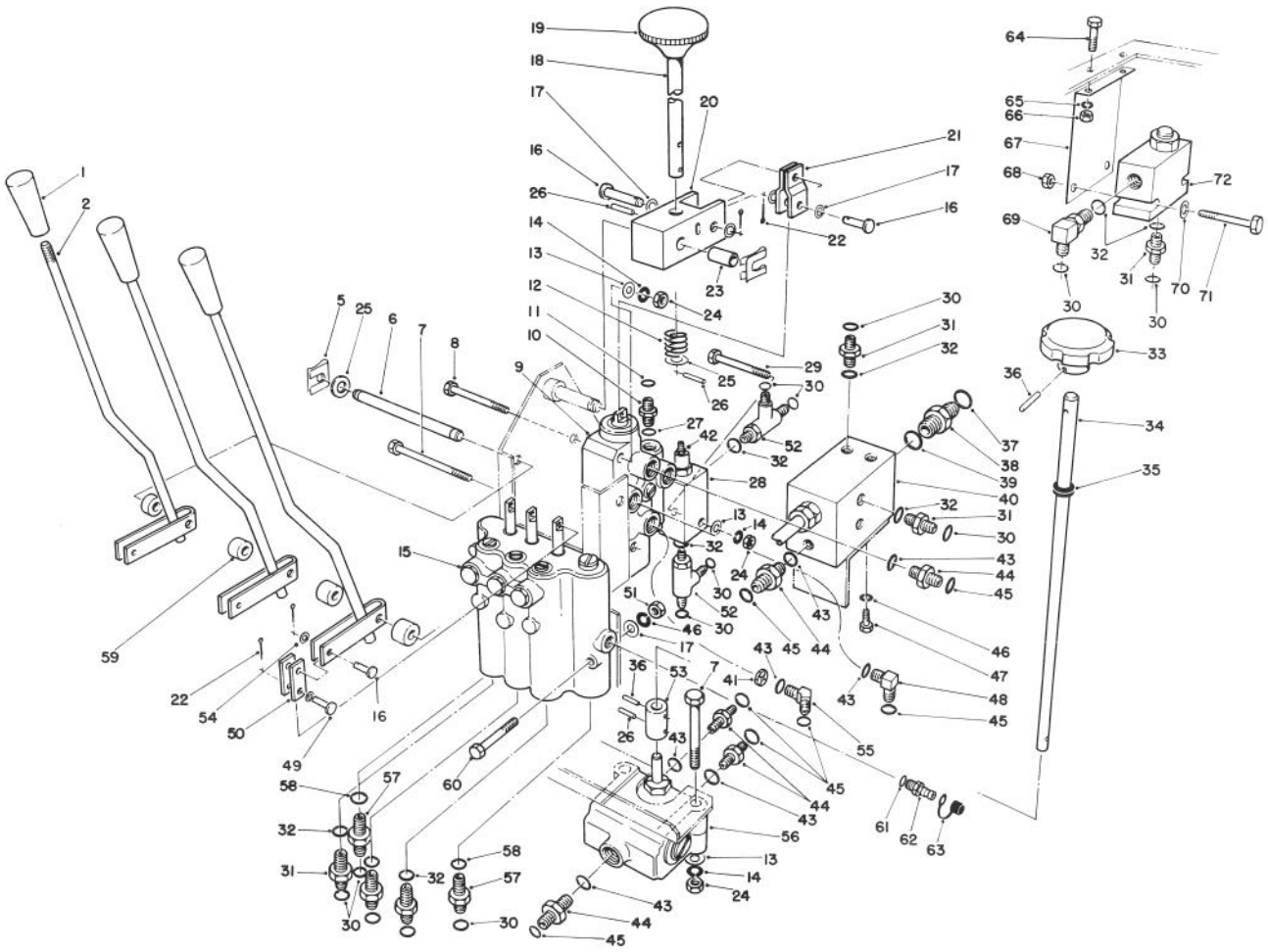


PARKING BRAKE, THROTTLE & OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	48-7700	Bolt	2
2	48-9570	Lockwasher	4
3	53-6070	Brake — Parking	1
4	59-7240	Throttle Assembly (Incl. Ref. #15)	1
5	48-7890	Nut — Hex	1
6	43-5930	Lockwasher	1
7	3256-22	Washer	1
8	25-8640	Screw	1
9	25-9090	Swivel	1
10	3296-13	Nut — Hex	1
11†	58-6610	Element Assembly	1
12	2412-31	Clip	1
13	58-7030	Cable — Brake, Complete	1
14	322-5	Bolt	2
15	233-25	Knob	1
16	48-7930	Nut — Hex	6
17	58-2170	Bar	1
18	3256-56	Washer	2
19	48-8030	Washer	10
20	32104-101	Screw	2

Ref. No.	Part No.	Description	No. Used
21	59-7120	Switch — Hydraulic Filter Warning (Incl. Ref. #20)	1
22	58-5550	Filter Assembly — Hyd. Oil (Incl. Ref. #11, 20 & 21)	1
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	48-7730	Bolt	2
30	58-6560	Panel — Side, Control	1
31	340-64	O-Ring	1
32	58-1670	Bracket — Filter	1
33	340-10	Adapter (Incl. Ref. #25 & 31)	1
34	48-7880	Nut — Hex	2
35	48-8000	Lockwasher	2
36	52-6430	Washer	2
37	3253-4	Lockwasher	2
38	250-1	Cable — Tie	1

† Do not substitute.

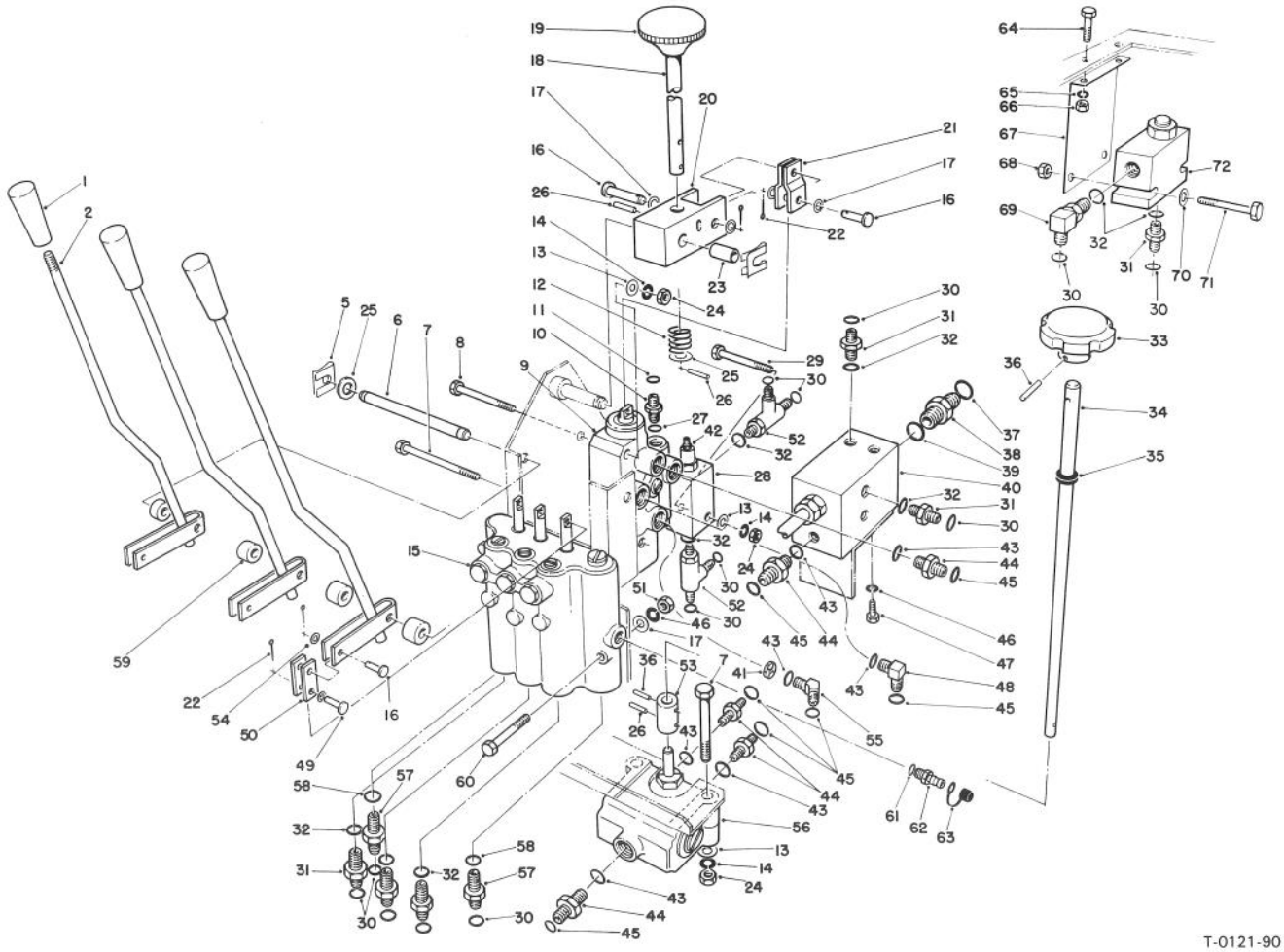


T-0121-90

VALVE CONTROLS

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	42-9310	Bolt	3
8	42-9510	Bolt	1
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	48-8030	Washer	5
14	48-9570	Lockwasher	5
15	58-5470	Valve — Lift Control	1
16	58-3830	Pin — Clevis	5
17	48-8010	Washer	3
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	48-7930	Nut — Hex	5

Ref. No.	Part No.	Description	No. Used
25	48-9580	Washer	4
26	32121-118	Roll Pin	3
27	237-78	O-Ring	1
28	58-5520	Valve (Incl. Ref. #42)	1
29	48-9430	Bolt	1
30	237-22	O-Ring	15
31	340-2	Fitting (Incl. Ref. #30 & 32)	8
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	Lockwasher	4

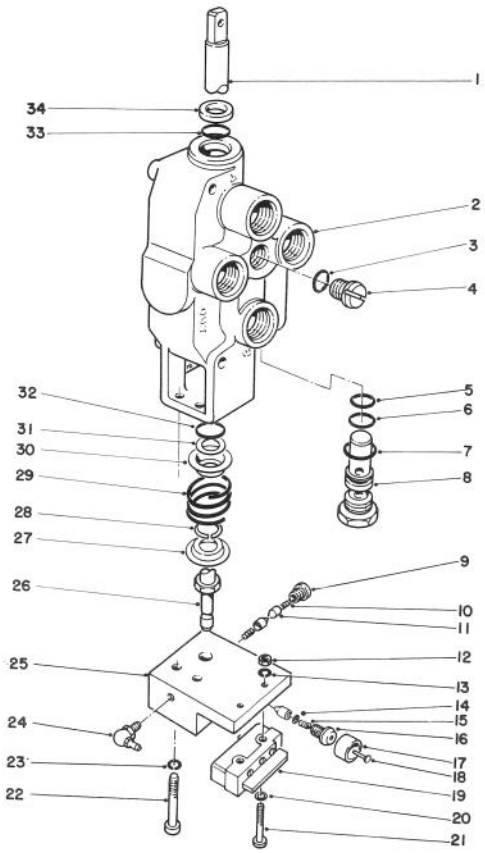


VALVE CONTROLS (Continued)

Ref. No.	Part No.	Description	No. Used
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
51	48-7890	Nut — Hex	1
52	340-86	Tee	2
53	58-1530	Coupling	1
54	52-6430	Washer	10
55	66-5860	Adapter — 45° (Incl. Ref. #43 & 45)	1
56	58-5490	Valve — Flow Control (Model 03700)	1
56	58-5491	Valve — Flow Control (Model 03701)	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

Ref. No.	Part No.	Description	No. Used
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
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 03700)	1
72	63-4701	Valve — Flow Regulator (Model 03701)	1
*	66-5590	Seal Kit (For Item #72)	1
*	66-5580	Seal Repair Kit (For Item #28)	1

* Not Illustrated



T-0123-90

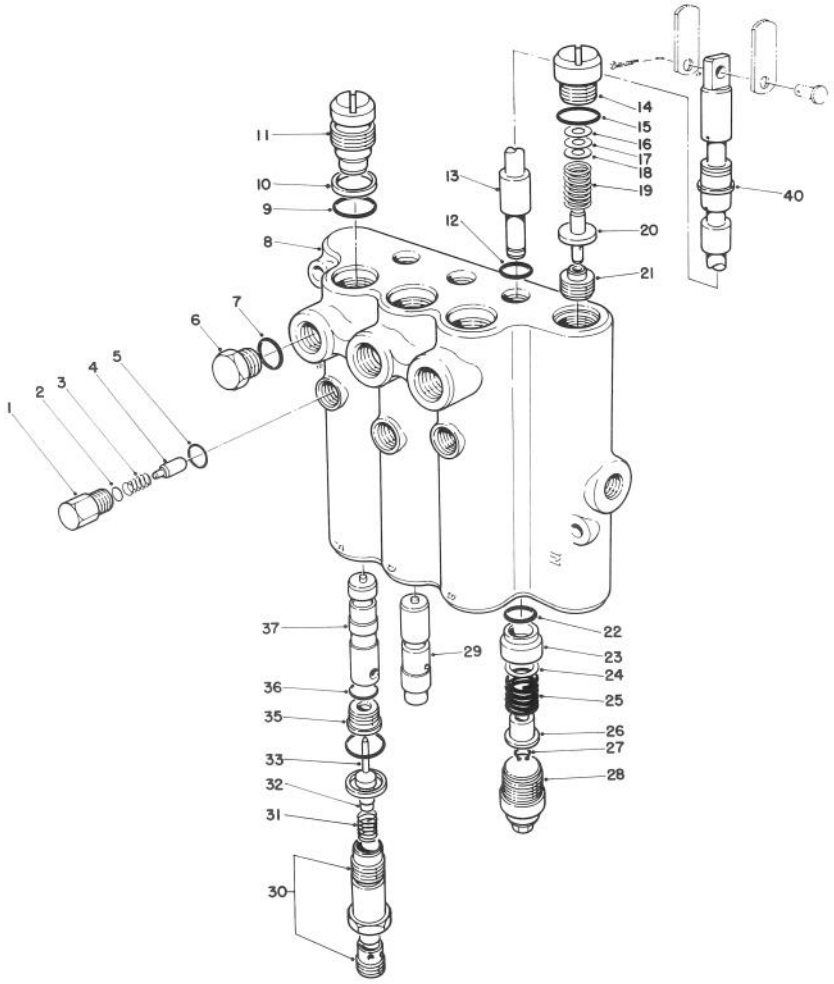
REEL CONTROL VALVE ASSEMBLY NO. 63-4800

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 — Back-Up	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 — Plain	2
21	66-5430	Screw — Machine	2
22	63-4830	Screw — Cap Hd.	2
23	59-8070	Washer — Lock	2
24	302-33	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	59-8120	O-Ring	1
34	59-8190	Wiper	1
*	59-8250	Seal Kit (Incl. Ref. #3, 4-7, 32 & 34)	1

* Not Illustrated

† Not Serviceable Separately



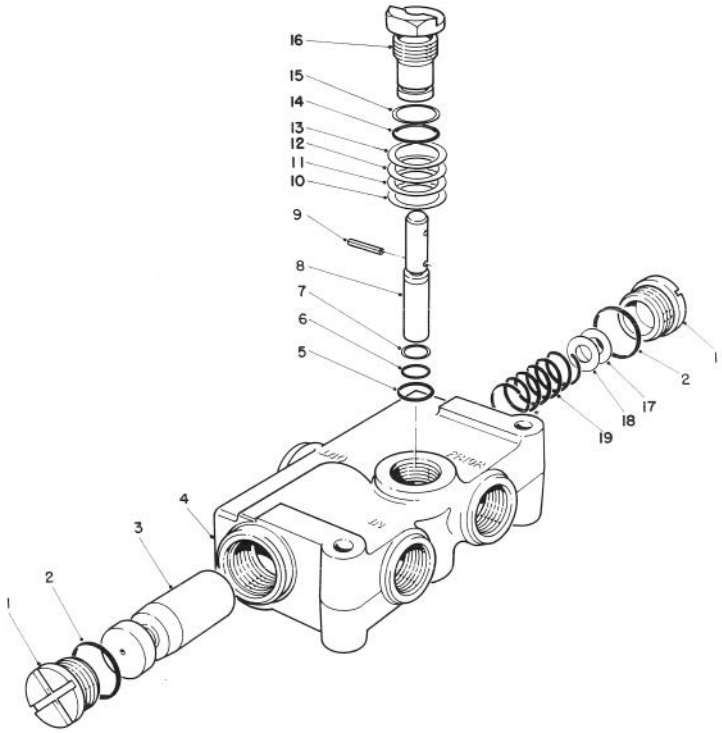
T-0124-90

CONTROL VALVE ASSEMBLY NO. 58-5470

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	3
10	58-6370	Washer — Back-up	6
11	58-6350	Plug Assy. (Incl. Ref. #9 & 10)	6
12	60-6410	O-Ring	6
13†		Spool (Incl. Ref. #12)	3
14	58-6740	Plug Assembly (Inc. Ref. #15)	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	58-6430	Spring — Dark Blue	1
20	58-6440	Poppet	1

Ref. No.	Part No.	Description	No. Used
21†		Seat	1
22	58-6450	O-Ring	3
23	58-6400	Bushing	3
24	58-6700	Washer	3
25	58-6730	Spring	3
26	58-6310	Spacer	3
27	58-6460	Retaining Ring	3
28	58-6420	Cap Assembly	3
29	60-6380	Plunger	1
30	58-6380	Plug Assembly	3
31	58-6410	Spring	3
32	60-6440	Eyelet	3
33	58-6290	Poppet Assembly	3
35	58-6330	Seat Assy. (Incl. Ref. #36)	3
36	58-6340	O-Ring	3
37	58-6300	Plunger	2
40	58-6320	Wiper — Seal	3
*	58-6390	Lockout — Poppet Stop	3
*	60-3780	Seal Kit (Incl. Ref. #5, 7, 9, 10, 12, 15, 22, 27, 33, 36 & 40)	1

* Not Illustrated
† Non-serviceable



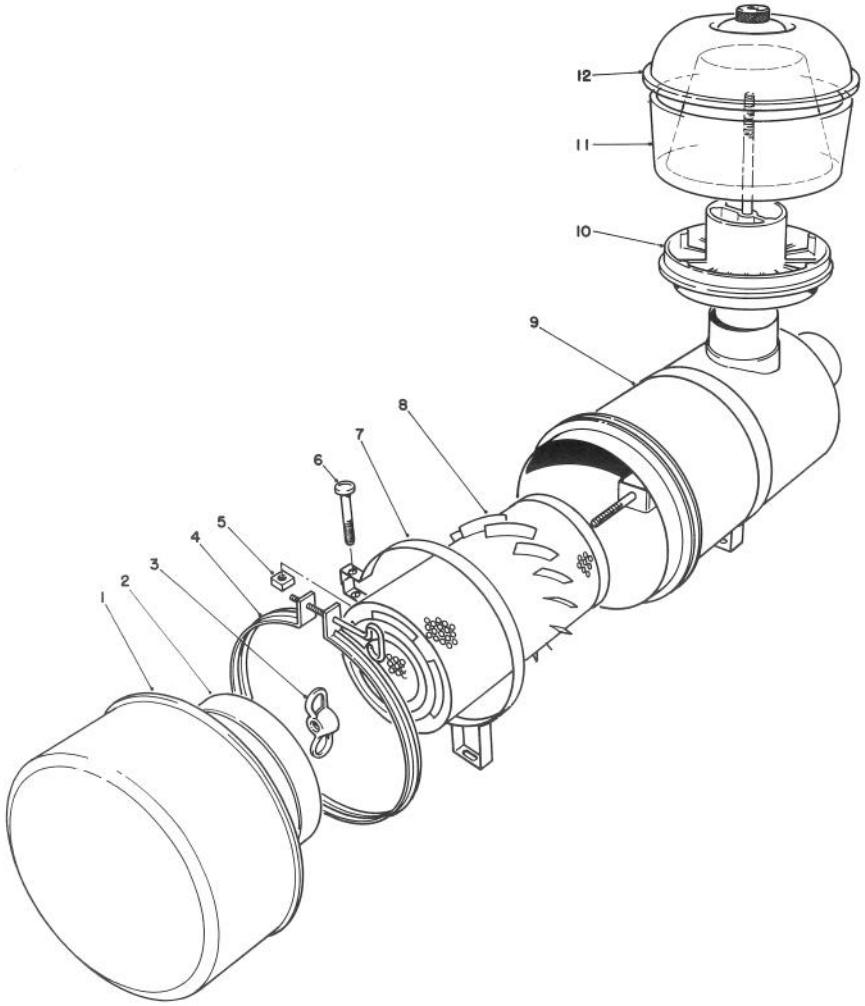
T-0125-90

PRIORITY FLOW CONTROL – VALVE ASSEMBLY NO. 58-5490 (MODEL 03700) & 58-5491 (MODEL 03701)

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	Back-Up Washer	1
8	59-7670	Metering Stem	1
9	59-7680	Groove Pin	1
10	59-7690	Shim	A/R
11	59-7700	Shim	A/R

Ref. No.	Part No.	Description	No. Used
12	59-7710	Shim	A/R
13	59-7720	Shim	A/R
14	59-7780	O-Ring	1
15	58-6370	Back-Up Washer	1
16	59-7740	Metering Plug (Model 03700)	1
16	74-3150	Metering Plug (Model 03701)	1
17	59-7750	Shim	A/R
18	59-7760	Shim	A/R
19	59-7770	Spring	1
*	63-4520	Seal Kit (Incl. Ref. #2, 5-7, 14 & 15)	1

* Not Illustrated
† Not Serviceable Separately.



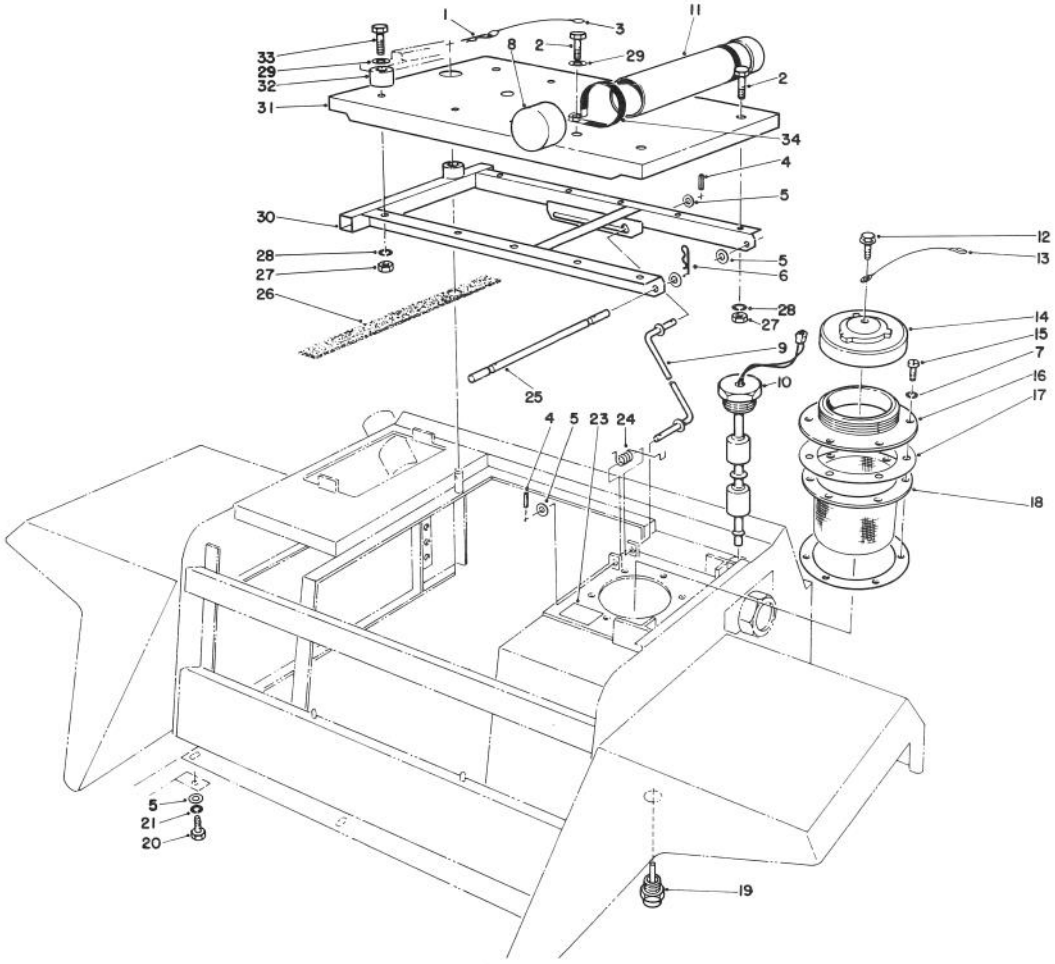
T-0126-90

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

Ref. No.	Part No.	Description	No. Used
9†		Housing	1
10	62-6300	Sleeve Assembly	1
11	33-1270	Bowl	1
12	33-1260	Cover Assembly	1
*	48-7430	Pre-Cleaner Assembly (Incl. Ref. #10-12)	1
*	48-4220	Air Filter Assembly (Incl. Ref. #1-4, 8-9)	1
*	27-7220	Air Cleaner Soap	1

* Not Illustrated
† Not Serviceable Separately.



T-0127-90

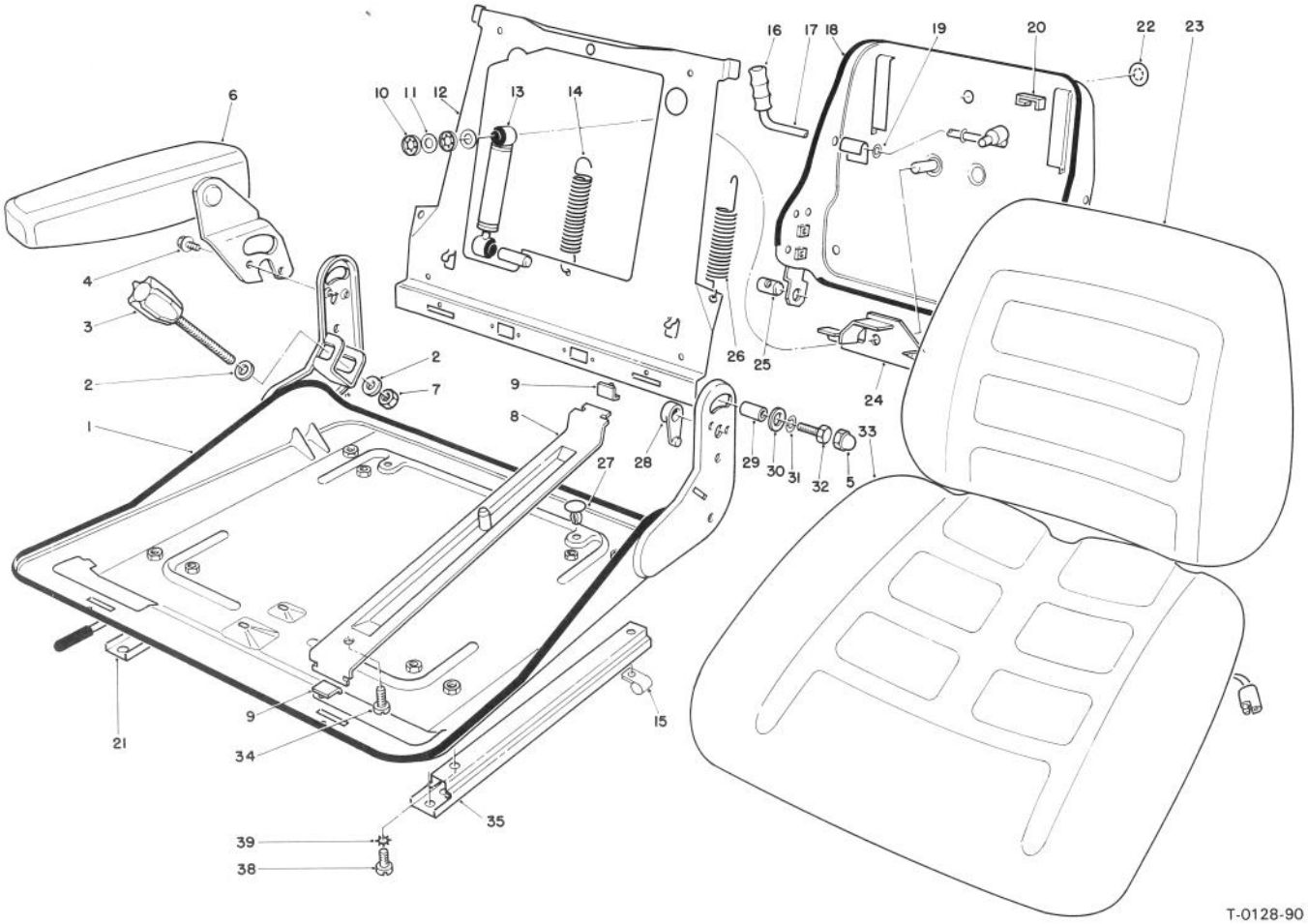
SEAT PLATFORM & FILLER CAP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3390-355	Clip — Retaining	1
2	48-7710	Capscrew	6
3	60-2160	Wire — Retaining (Incl. Ref. #1)	1
4	3272-11	Pin — Cotter	2
5	48-9580	Washer	6
6	3290-250	Hairpin — Cotter	2
7	3253-15	Lockwasher	6
8	65-5890	Cap — Tube	2
9	58-1650	Rod — Seat	1
10	60-4170	Switch — Oil Level	1
11	65-5870	Tube — Manual	1
12†		Screw — Washer Face	1
13†		Wire — Tie	1
14†		Cap	1
15	3252-16	Screw	6
16†		Ring	1
17	58-6820	Gasket	2
18†		Screen	1
19	60-5580	Switch — Temperature	1

Ref. No.	Part No.	Description	No. Used
20	48-7780	Capscrew	2
21	48-9590	Lockwasher	2
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	Lockwasher	10
29	48-8030	Washer	6
30	58-1580	Frame Assembly — Seat	1
31	58-9830	Plate — Seat	1
32	26-4840	Spacer	4
33	48-7730	Capscrew	4
34	2412-102	Clamp — R	2
*	58-6800	Filler Cap Assembly (Incl. Ref. #12-14 & 16-18)	1
*	68-7660	Foam — Seat Tray (Rear)	1
*	68-7670	Foam — Seat Tray (Front)	1
*	68-7680	Foam — Seat Tray (Center)	1

* Not Illustrated

† Not Serviceable Separately.

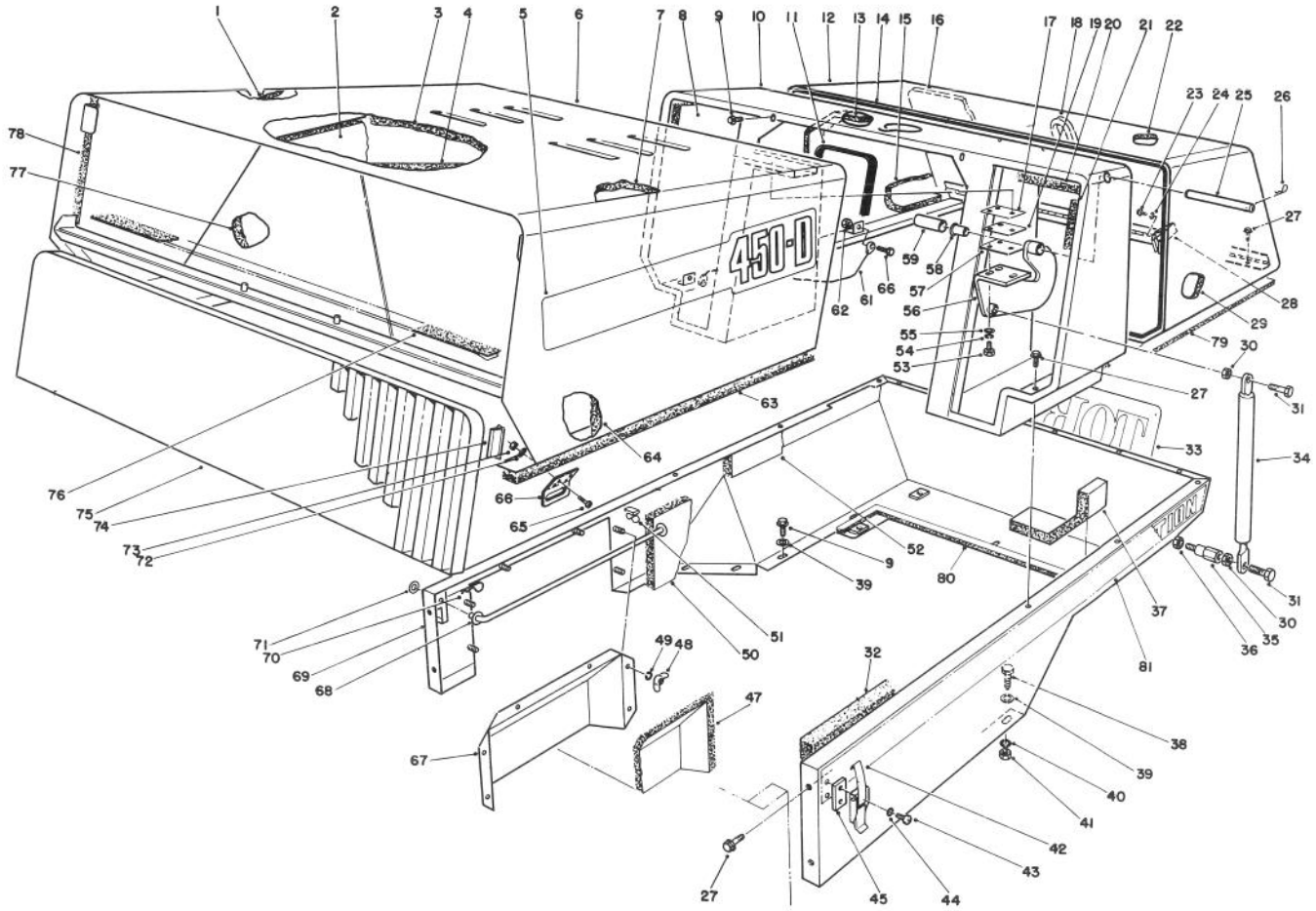


SUSPENSION SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	56-3810	Seat Platform	1
2	56-3880	Washer Flat	2
3	56-3870	Adjustment Knob	1
4	56-3850	Screw — Hex Hd. Machine	4
5	56-3960	Cover — Screw Hex Hd. Machine	4
6	55-4660	Arm Rest Assembly	2
7	56-3890	Nut — Hex	1
8	56-3970	Seat — Carrier	2
9	56-3980	Clip — Rail	4
10	56-4080	Axle Clamp	2
11	39-9500	Washer — Flat	2
12	56-4040	Back Plate	1
13	62-7670	Seat Shock Absorber	1
14	56-4050	Extension Spring	1
15	2412-67	R-Clamp	1
16		Grip — Cover	1
17	56-4150	Lever — Handle (Incl. #16)	1
18	56-3820	Seat Platform Back	1
19	56-4160	Washer — Flat	2
20	56-4130	Bumper	2

Ref. No.	Part No.	Description	No. Used
21	40-3790	Bottom Rail Assy. R.H.	1
22	56-4120	Cover	1
23	56-3800	Seat Cushion — Back	1
24	56-4100	Lever — Bracket	1
25	56-4170	Clevis — Pin	1
26	56-4060	Extension — Spring	1
27	56-4190	Seat Cap	2
28	56-3900	Spacer Arm Left	1
*	56-3910	Spacer Arm Right	1
29	56-3920	Bushing	4
30	56-3930	Washer — Flat	4
31	56-3940	Washer — Lock	4
32	56-3950	Capscrew — Hex Hd.	4
33	56-3790	Seat Cushion — Bottom	1
34	56-3990	Machine Screw	2
35	40-3820	Bottom Rail Assembly L.H.	1
38	56-4020	Machine Screw	4
39	56-4030	Washer — Lock	4
*	55-8420	Seat Assembly (Incl. Ref. #1-3, 5, 7-14, 16-35 & 38-39)	1

*Not Illustrated



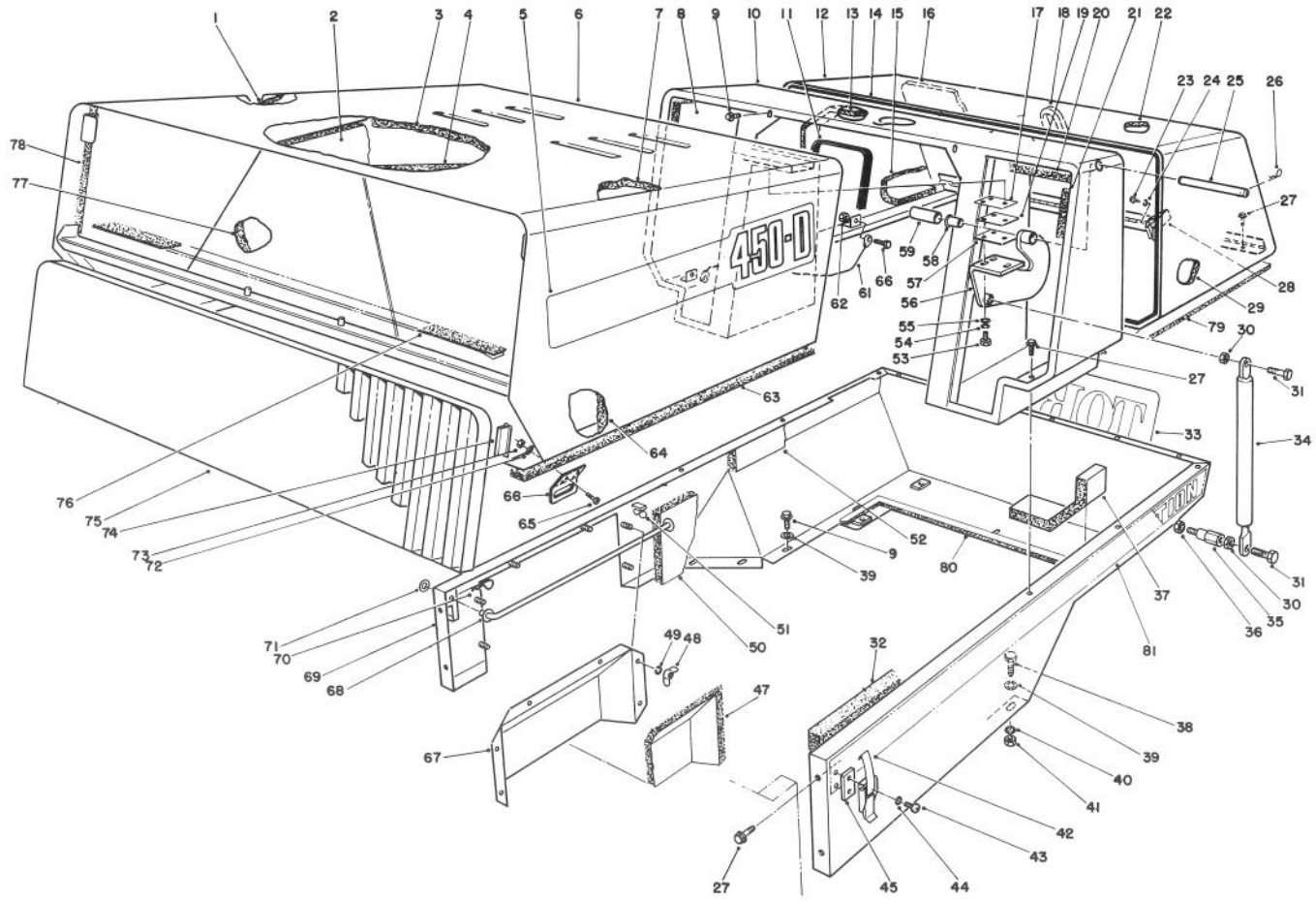
T-0129-90

FRONT & REAR CANOPY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68-7830	Lining — Foam, R.H.	1
2	68-7730	Lining — Foam	1
3	68-7710	Lining — Foam	1
4	68-7720	Lining — Foam	1
5	58-5930	Decal — 450D	2
6	68-6080	Canopy — Front	1
7	68-7820	Lining — Foam, L.H.	1
8	75-8370	LIning — Foam, R.H.	1
9	48-6900	Screw — Self Tapping	9
10	75-7800	Canopy — Center	1
11	60-3770	Seal — Strip, L.H.	1
*	60-3760	Seal — Strip, R.H.	1
12	75-8000	Canopy — Rear	1
13	75-8450	Seal — Radiator, Foam	1
14	69-9726	Seal — Trim	1
15	75-8420	Lining — Foam	1
16	75-8440	Foam — Panel, Rear	1
17	58-5330	Spacer	2
18	69-9727	Seal — Trim	1
19	58-5340	Spacer	2
20	75-8360	Lining — Foam, L.H.	2
21	75-8380	Lining — Foam	1

Ref. No.	Part No.	Description	No. Used
22	75-8410	Lining — Foam	1
23	3290-321	Screw — Machine, Washer Head	4
24	3253-2	Washer — Lock	4
25	58-3910	Pin — Hinge	2
26	3290-355	Pin — Cotter, Hair	2
27	3234-13	Screw — Flange, Hex Hd.	15
28	69-3020	Latch	2
29	75-8430	Lining — Foam	1
30	48-7930	Nut — Hex	4
31	60-6750	Bolt	4
32	68-7630	Lining — Foam	1
33	66-6140	Decal — Toro	1
34	58-7220	Spring — Gas	2
35	58-2740	Stud	2
36	60-6770	Nut — Hex	2
37	75-8400	Lining — Foam, L.H.	1
*	75-8390	Lining — Foam, R.H.	1
38	48-7630	Screw	1
39	3256-16	Washer — Flat	1
40	43-5930	Washer — Lock	1
41	48-7890	Nut — Hex	1

* Not Illustrated



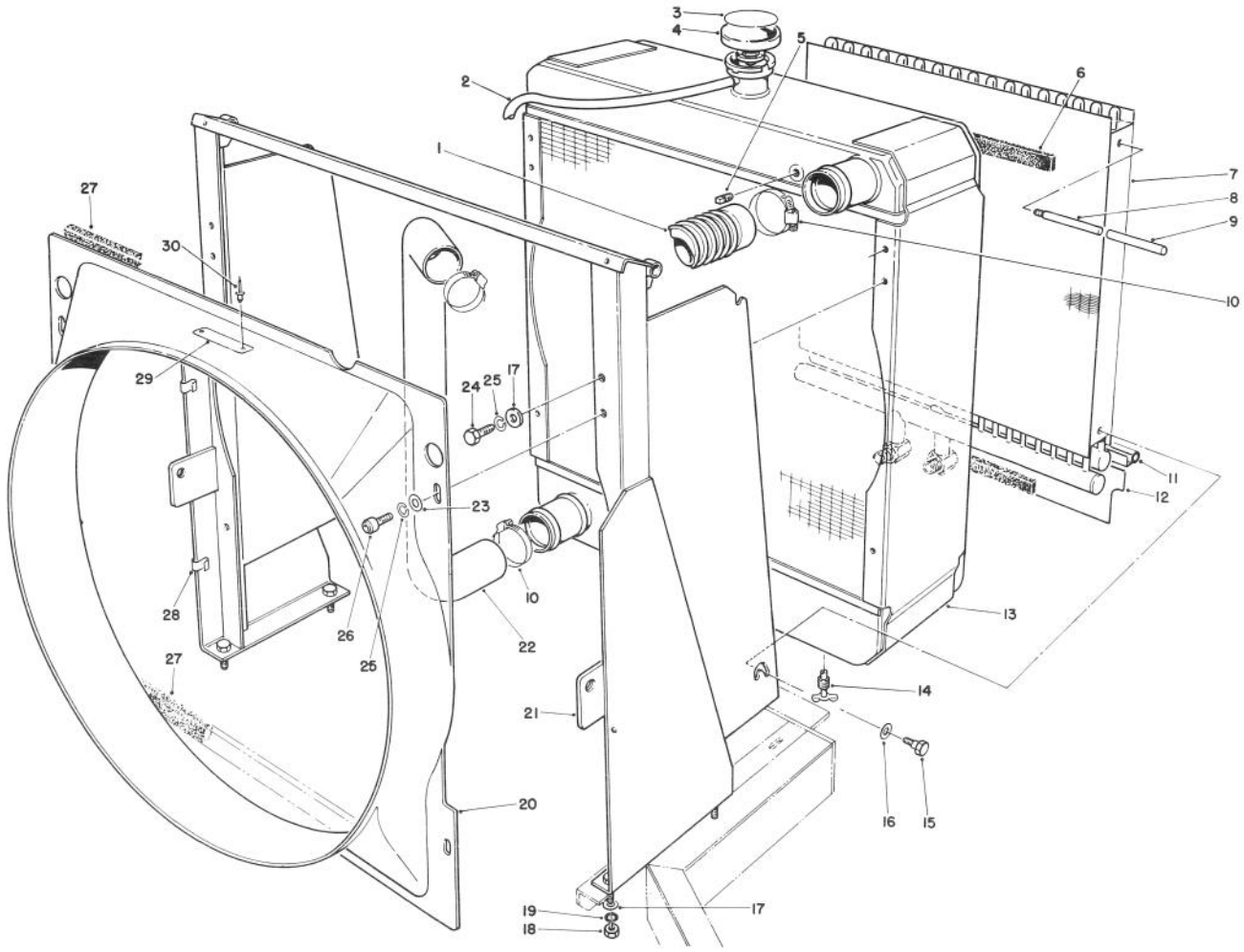
T-0129-90

FRONT & REAR CANOPY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
42	58-5380	Latch — Draw, Spring	2
43	3250-25	Screw — Pan, Phil. Hd.	4
44	3253-2	Washer — Lock	4
45	58-7070	Spacer	2
47	68-7640	Lining — Foam	1
48	32103-12	Nut — Wing	6
49	3253-3	Washer — Lock	6
50	68-7650	Lining — Foam	1
51	60-0930	Clip	1
52	75-8460	Lining — Foam	1
53	48-9460	Bolt	6
54	48-9570	Washer — Lock	6
55	48-8030	Washer	6
56	58-1970	Plate — Hinge, L.H.	1
*	58-1980	Plate — Hinge, R.H.	1
57	58-5350	Spacer	2
58	58-3930	Bushing — Flange	2
59	58-3940	Tube — Spacer	2
60	322-4	Screw — Cap, Hex Hd.	2
61	75-0570	Cable	2
62	3296-29	Nut — Lock	2
63	68-7860	Strip — Foam	2

Ref. No.	Part No.	Description	No. Used
64	68-7780	Lining — Foam	1
65	3250-31	Screw — Pan, Phil. Hd.	10
66	68-6040	Bracket — Latch	2
67	58-8030	Cover	1
68	60-0880	Prop	1
69	75-8160	Body — Lower	1
70	3290-467	Clip	1
71	48-9580	Washer	1
72	3256-21	Washer — Flat	8
73	3296-27	Nut — Lock	10
74	58-4250	Latch — Magnetic	2
75	58-4230	Grill — Front	1
76	68-7880	Strip — Foam	1
77	68-7690	Lining — Foam	1
78	68-7790	Lining — Foam	1
79	75-8480	Seal — Canopy, Lower	2
80	68-7570	Strip — Foam	1
81	76-3510	Decal — City Edition, L.H. (Model 03700)	1
*	76-3520	Decal — City Edition, R.H. (Model 03700)	1

* Not Illustrated

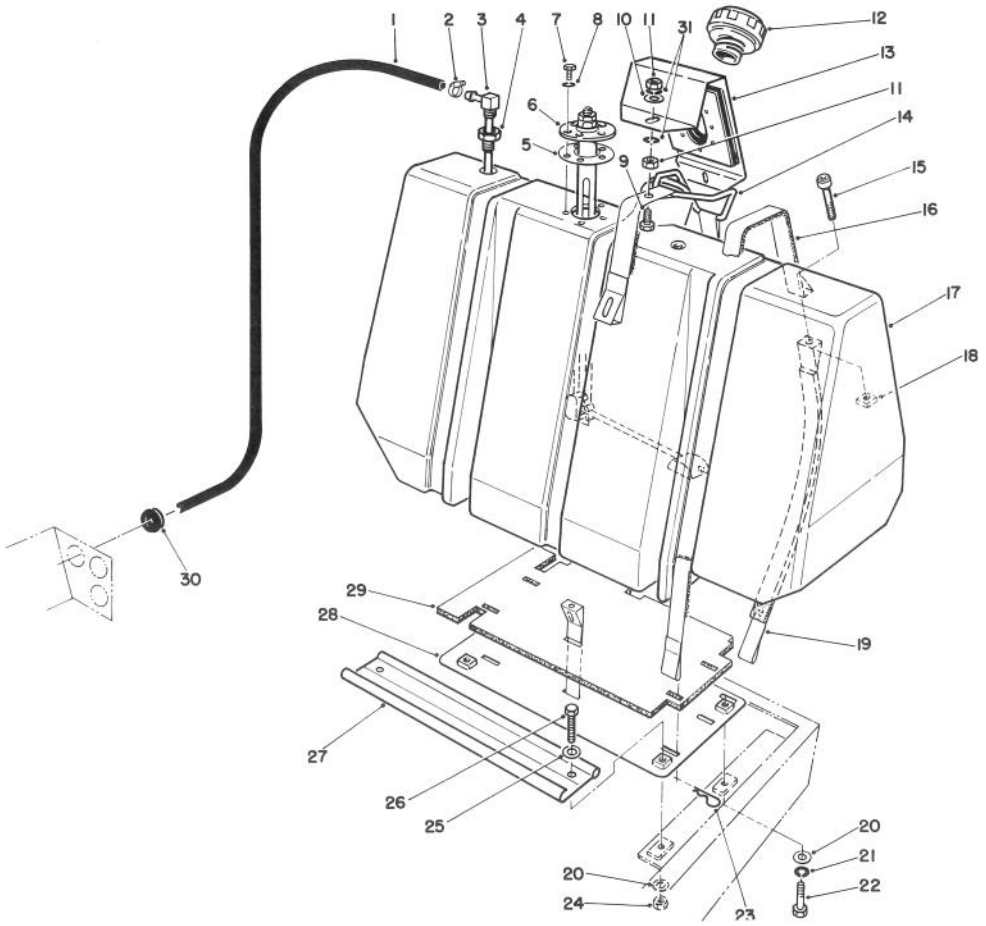


T-0130-90

RADIATOR & OIL COOLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	60-3700	Hose — Flexible	1
2	60-3680	Hose — Overflow	1
3	59-8440	Decal — Warning	1
4	58-5420	Cap — Radiator 13 PSI	1
5	281-2	Plug	1
6	78-8470	Strip — Sealing	2
7	58-5540	Cooler — Oil, Hydraulic	1
8	75-7790	Handle	2
9	47-2550	Grip — Handle	2
10	48-6020	Clamp — Hose	4
11	75-8340	Strip — Sealing	1
12	75-8350	Skirt — Deflector	1
13	74-2950	Radiator (Incl. Ref. 14)	1
14	304-46	Plug — Drain	1
15	75-8330	Bolt — Shoulder	2

Ref. No.	Part No.	Description	No. Used
16	3256-25	Washer — Flat	2
17	48-8030	Washer	6
18	48-7930	Nut	4
19	48-9570	Washer — Lock	4
20	74-3070	Shroud — Fan	1
21	75-7620	Frame	1
22	58-8100	Hose	1
23	3256-71	Washer — Flat	4
24	322-3	Screw — Cap, Hex Hd.	2
25	3253-4	Washer — Lock	6
26	3274-10	Screw — Cap, Socket Hd.	4
27	68-7570	Strip — Sealing	2
28	60-0930	Clip	3
29	67-1650	Plate — Caution	1
30	3290-271	Rivet — Pop	2

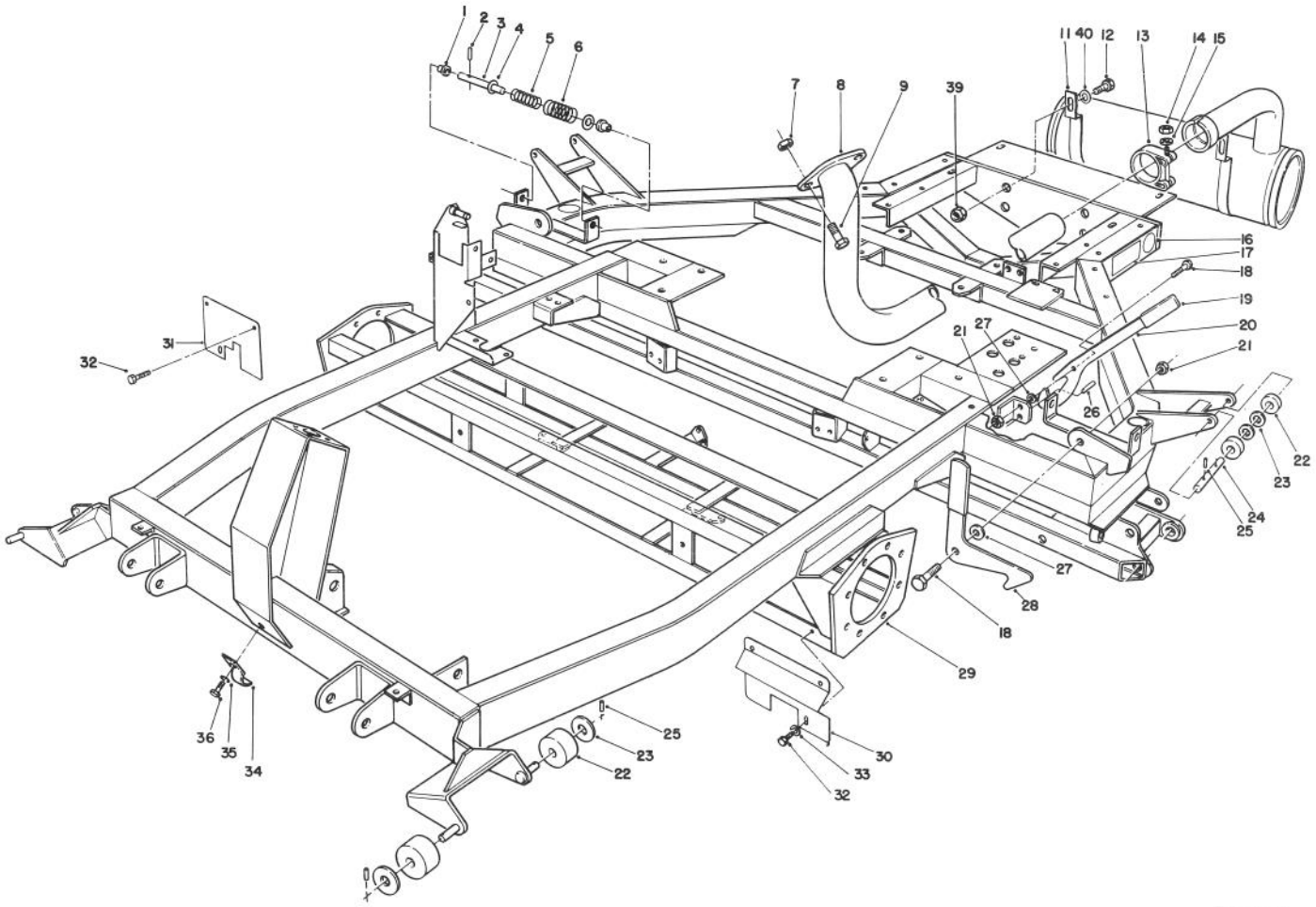


T-1064-90

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7624	Hose — Fuel	2
2	60-3570	Clamp — Hose	4
3	75-8240	Fitting — Fuel, Hose	2
4	2812-1	Bushing — Pipe	2
5	62-7650	Gasket	1
6	60-2210	Sender — Fuel	1
7	3252-18	Screw — Machine, Fil. Hd.	5
8	3253-2	Washer — Lock	5
9	321-5	Screw	1
10	3286-16	Washer — Flat	1
11	3217-5	Nut	2
12	72-0090	Cap — Gas	1
13	75-8320	Gasket Assembly	1
14	75-8250	Strap Assembly	1
15	3274-62	Screw — Cap, Soc. Hd.	3
16	72-0052	Strap Assembly	2

Ref. No.	Part No.	Description	No. Used
17	75-8130	Tank — Fuel	1
18	32107-1	Nut — Square	3
19	13-6339	Strap — Assembly	4
20	3256-27	Washer — Flat	4
21	48-9570	Washer — Lock	2
22	48-7730	Screw — Cap, Hex Hd.	2
23	3290-355	Pin — Cotter, Hair	5
24	48-9510	Nut	2
25	48-8030	Washer — Flat	2
26	75-8530	Screw — Cap, Hex Hd. Full Thread	2
27	75-7780	Deflector	1
28	72-0040	Plate — Tank, Fuel	1
29	72-0110	Pad — Tank, Fuel	1
30	240-9	Grommet	3
31	3253-3	Washer — Lock	2



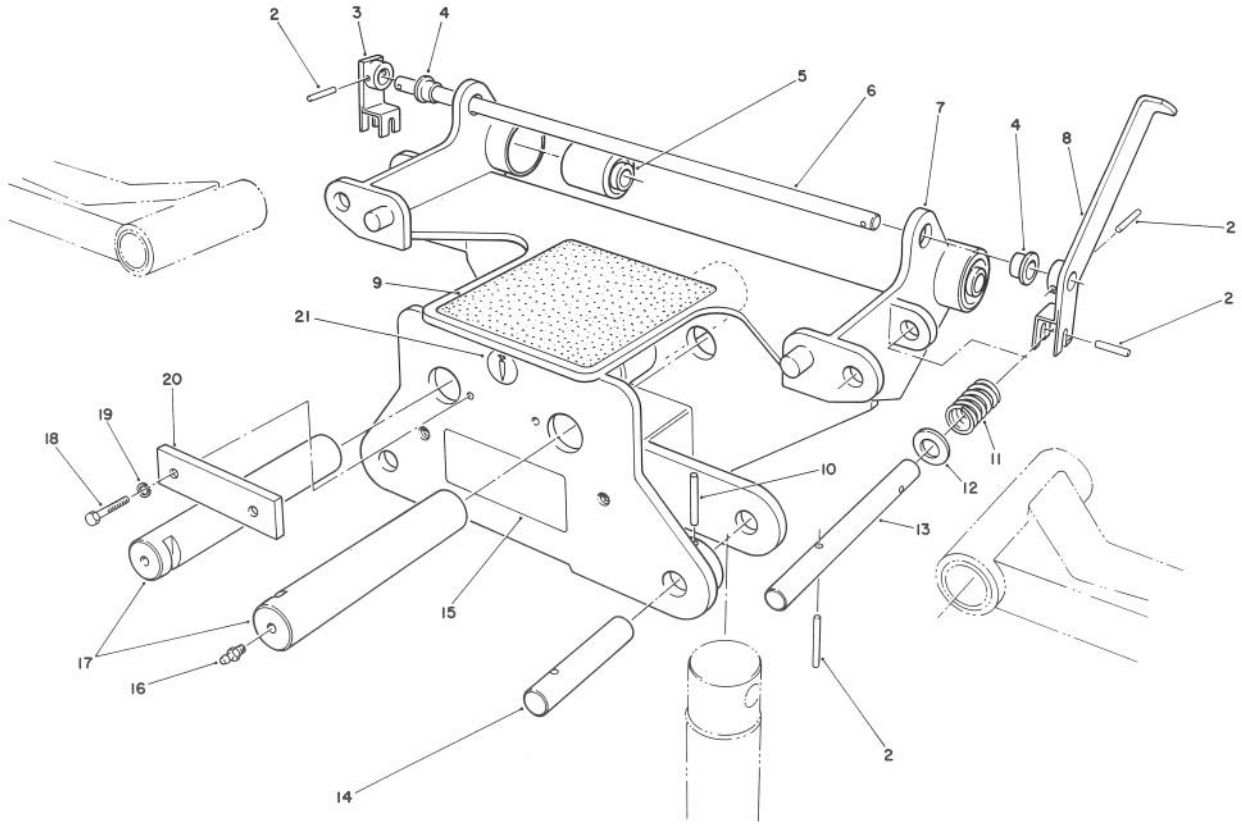
T-0132-90

CHASSIS & MUFFLER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58-2800	Bushing	4
2	60-3720	Roll Pin	2
3	58-2810	Rod	2
4	3256-7	Washer	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
10	60-1670	Spring Nut	2
11	74-2850	Muffler	1
*†	74-2900	Muffler (Spark Arrester)	1
12	323-18	Screw	2
13	60-1980	Clamp (Incl. Ref. #14 & 15)	1
14††		Nut	1
15††		Washer	1
16	58-6520	Decal — Grease	3
17	58-5910	Decal — Tire Pressure	2
18	60-6870	Bolt	3
19	48-7080	Cap	3

Ref. No.	Part No.	Description	No. Used
20	58-3800	Lever	1
21	51-2070	Nut	3
22	60-0120	Roller	8
23	51-2060	Washer	8
24	60-0160	Pin — Roller, Rear	2
25	60-2110	Roll Pin	8
26	48-8830	Roll Pin	1
27	48-8850	Washer — Bevel	3
28	48-8540	Lever	2
29	74-2800	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	Lockwasher	1
36	48-7680	Capscrew — Hex Hd.	1
38	3256-4	Washer — Flat	2
39	3296-39	Nut	2
40	3256-3	Washer — Flat	2

* Not Illustrated
† Optional
†† Not Serviceable Separately.

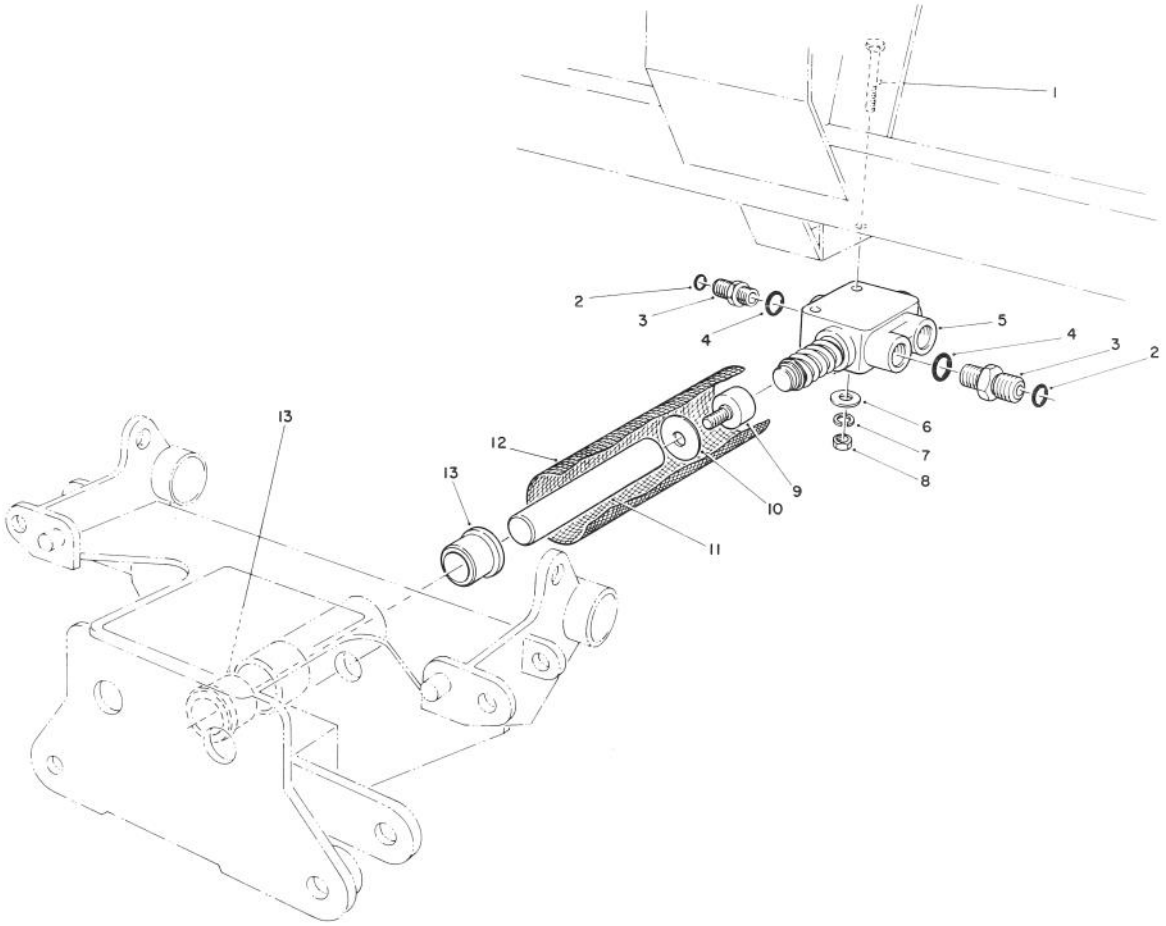


T-0133-90

FRONT CARRIER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
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	60-0070	Carrier — Front	1
8	60-1780	Lever — L.H.	1
9	58-6990	Pad — Step	1
10	60-1270	Pin — Spirol	2
11	60-0670	Spring — Compression	2

Ref. No.	Part No.	Description	No. Used
12	51-2060	Washer	2
13	60-1830	Rod — Latch	2
14	58-2720	Pin — Cylinder Mount	2
15	63-4380	Decal — Towing	1
16	302-5	Fitting — Grease	2
17	60-0090	Pin Lift Arm Pivot	2
18	48-7700	Screw — Cap Hex Hd.	2
19	48-9570	Washer — Lock	2
20	60-0190	Retainer	1
21	58-6520	Decal — Grease	1

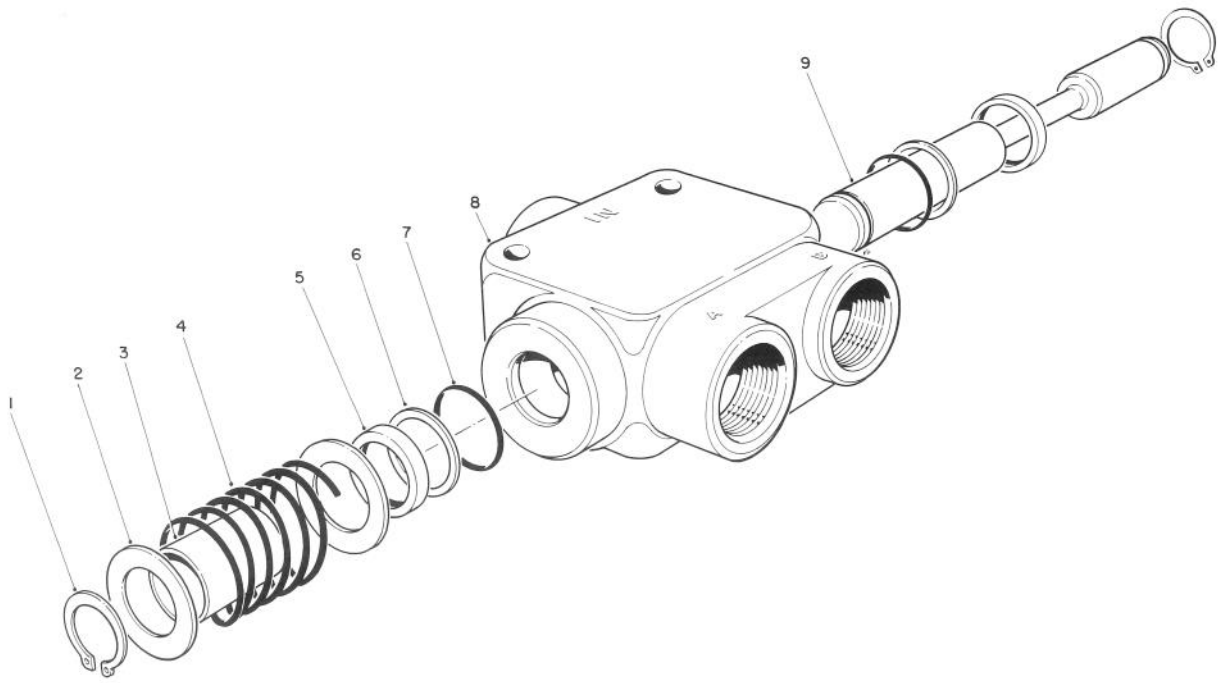


T-0134-90

PUSH ROD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	60-6690	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	48-8030	Washer	2

Ref. No.	Part No.	Description	No. Used
7	48-9570	Washer — Spring	2
8	48-7930	Nut	2
9	59-7140	Bumper	1
10	3256-68	Washer	A/R
11	60-0300	Rod	1
12	58-9620	Cover — Cordura	1
13	48-6640	Bushing — Flange	2



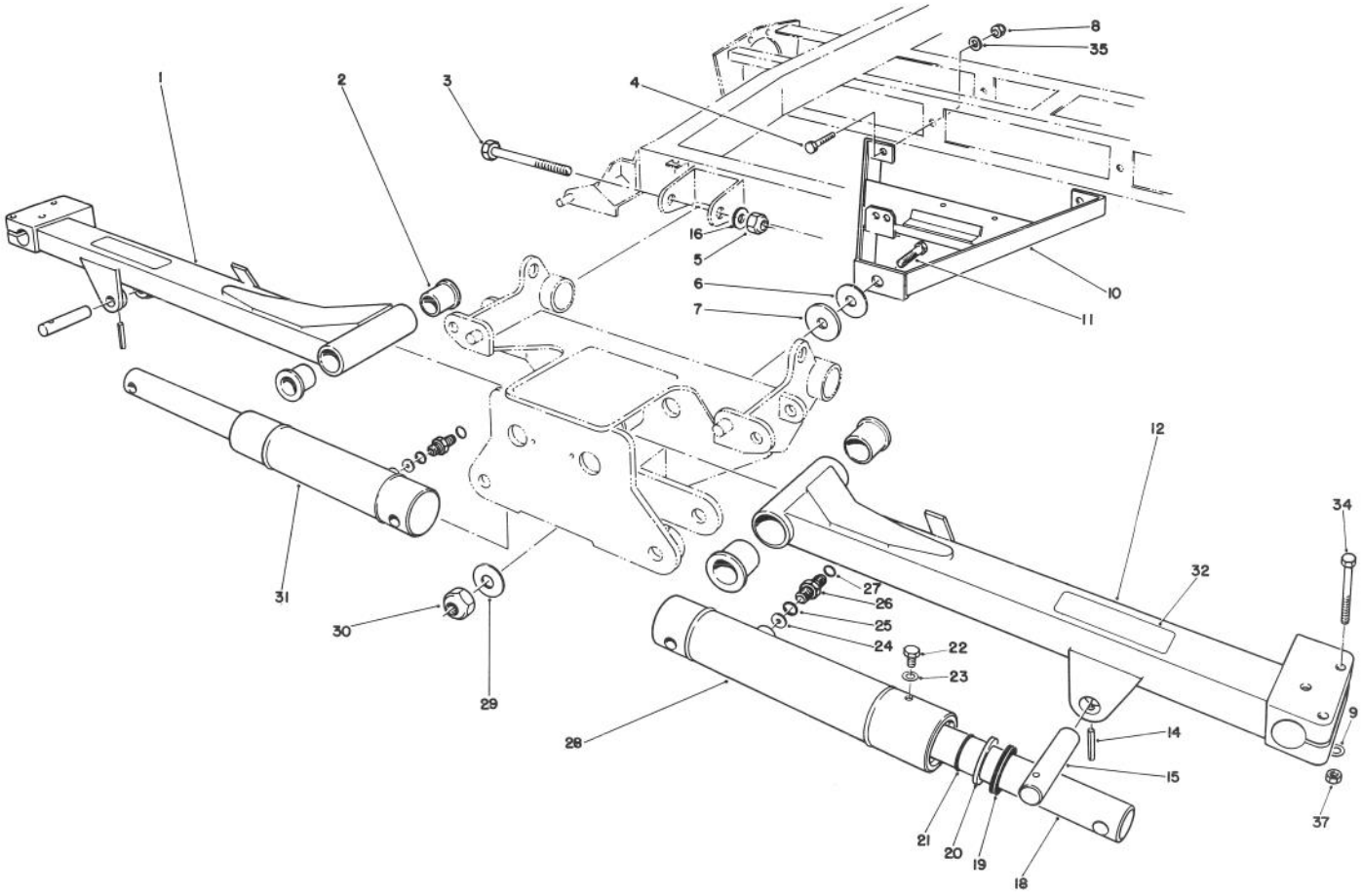
T-0135-90

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

Ref. No.	Part No.	Description	No. Used
6	59-7860	Back-Up Washer	2
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.



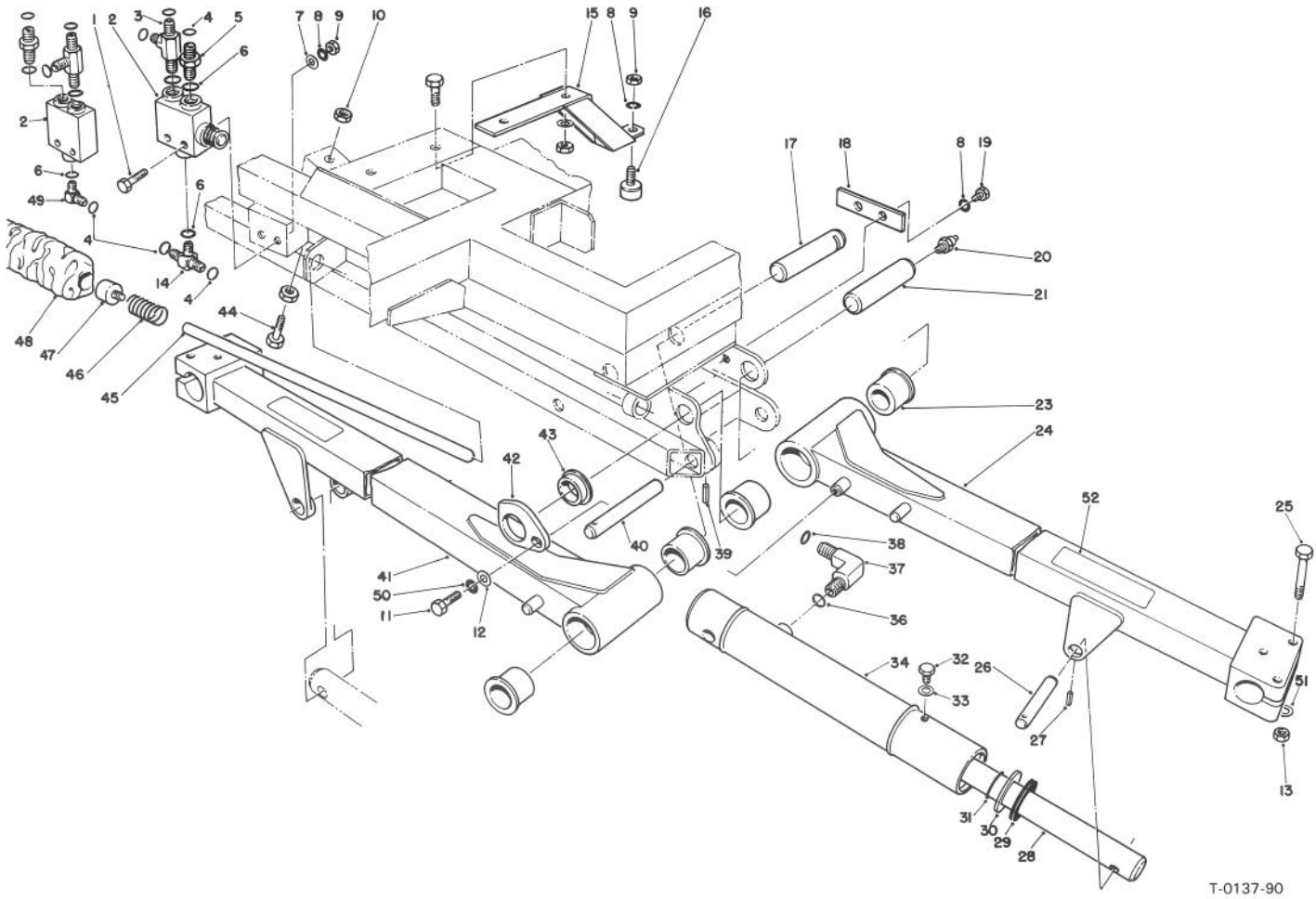
T-0136-90

NO. 2 & 3 LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	58-0470	No. 3 Lift Arm	1
2	68-6480	Bushing	4
3	48-9260	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	58-0460	No. 2 Lift Arm	1
14	60-1280	Roll Pin	2
15	58-4380	Pivot — Pin	2
16	3256-26	Washer	2
18†		Rod	2
19	60-3630	Wiper	2
20	60-3620	Seal	2

Ref. No.	Part No.	Description	No. Used
21	60-3610	Snap — Ring	2
22	60-3660	Screw — Bleed	2
23	60-3650	Washer	2
24	59-7340	Orifice (.041)	2
25	237-42	O-Ring	2
26	340-2	Adapter (Incl. Ref. #25 & 27)	2
27	237-22	O-Ring	2
28†		Barrel — Cylinder	2
29	48-9600	Washer	1
30	48-9540	Nut	1
31	58-5450	Cylinder — Complete (Incl. Ref. #18-24 & 28)	2
32	61-3610	Decal	2
34	323-13	Bolt	6
35	48-9580	Washer	2
37	3296-39	Nut — Hex Lock	6
*	62-6370	Seal Kit — Lift Cylinder (Incl. Ref. #19-21 & 23)	1

* Not Illustrated
† Not Serviceable Separately.



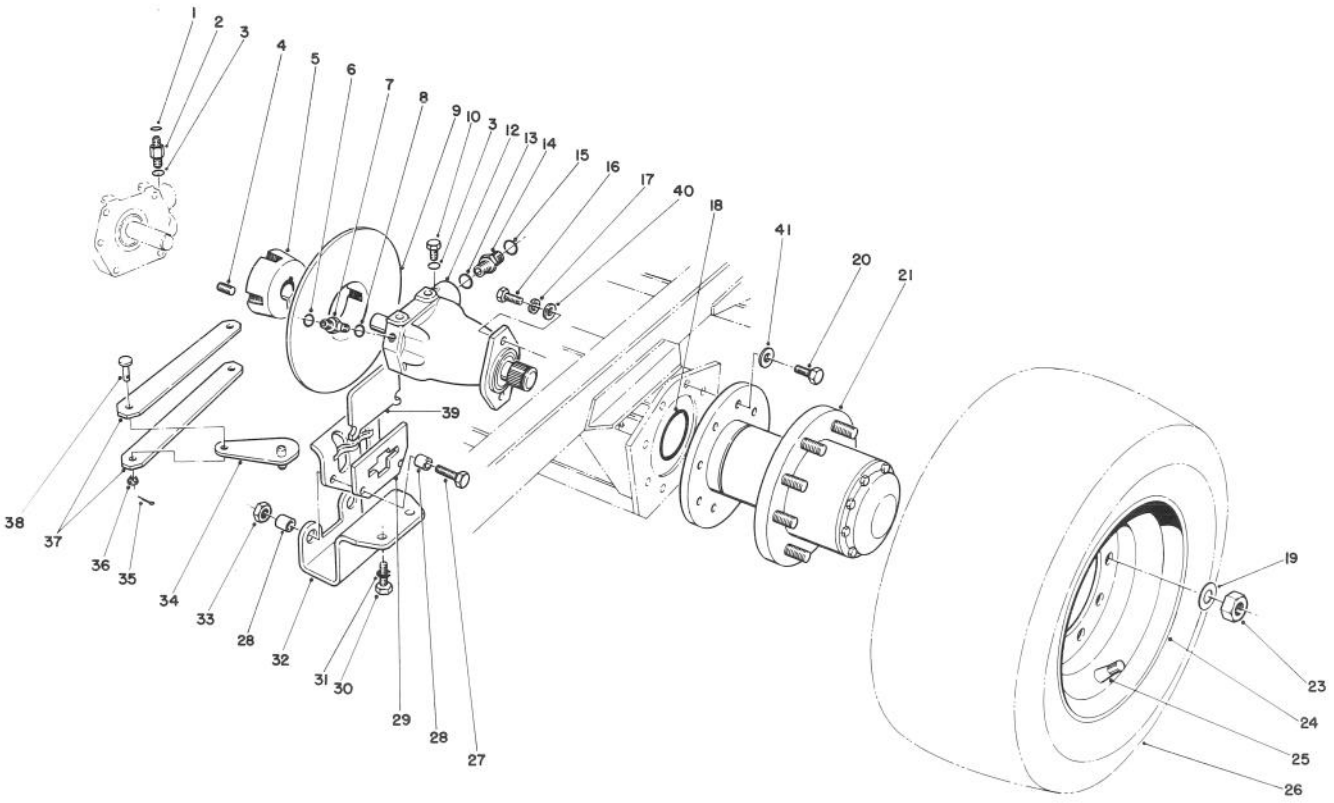
NO. 1, 4 & 5 LIFT ARMS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	60-6690	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	48-8030	Washer	4
8	48-9570	Lockwasher	10
9	48-7930	Nut — Hex	6
10	48-9530	Nut — Hex	2
11	48-7780	Bolt	2
12	48-9580	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 Liftarm 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	Grease Fitting	3
21	60-0100	Pin — #4 & 5 Liftarm Pivot	2
23	68-6480	Bushing	6
24	58-0480	Lift Arm No. 4	1
25	323-13	Bolt	9
26	58-4380	Pivot — Pin	3
27	60-1280	Roll Pin	3
28†		Rod	3
29	60-3630	Wiper	3

Ref. No.	Part No.	Description	No. Used
30	60-3620	Seal	3
31	60-3610	Snap — Ring	3
32	60-3660	Screw — Bleed	3
33	60-3650	Washer	3
34†		Barrel — Cylinder	3
35	59-7340	Orifice (.041)	3
36	237-42	O-Ring SAE	3
37	340-77	Fitting (Incl. Ref. #36 & 38)	3
38	237-22	O-Ring	3
39	60-1270	Roll Pin	3
40	58-2720	Pivot — Pin	3
41	58-0450	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 R.H.	1
*	60-1350	Rod — Push L.H.	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	48-9590	Lockwasher	2
51	3256-56	Washer — Flat	9
52	61-3610	Decal	3
*	58-5450	Cylinder — Lift, Complete (Incl. Ref. #28-35)	3
*	58-0490	Lift Arm No. 5	1
*	62-6370	Seal Kit — Lift Cylinder (Incl. Ref. #29-31 & 33)	1

* Not Illustrated

† Not Serviceable Separately.

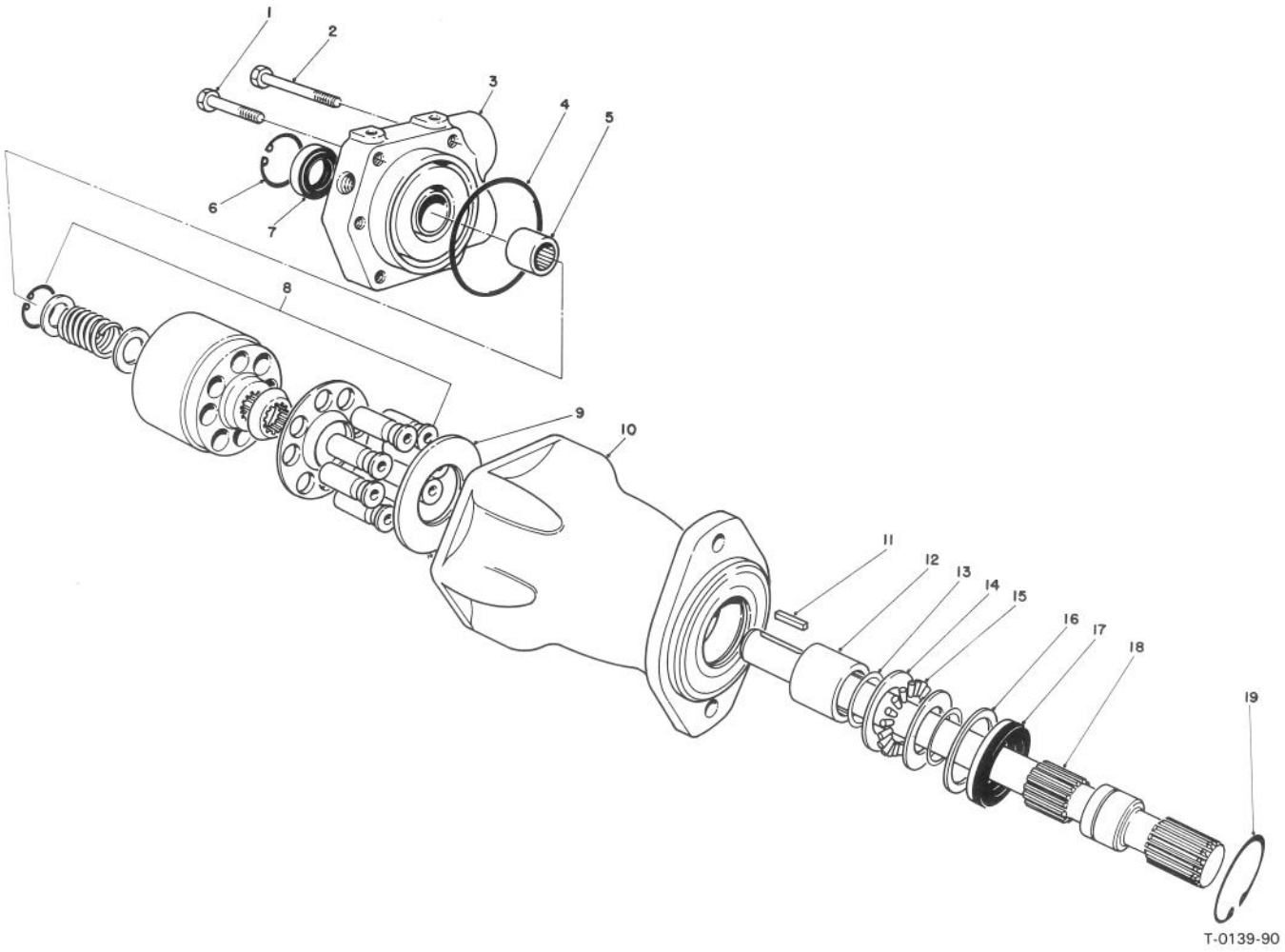


T-0138-90

TRACTION DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	237-21	O-Ring	2
2	340-90	Fitting (Incl. Ref. #1 & 3)	2
3	237-118	O-Ring	4
4	3247-10	Set Screw	4
5	23-1840	Bushing (Incl. Ref. #4)	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	Brake Disc	2
10	353-948	Plug (Incl. Ref. #3)	2
12	58-5430	Motor — Wheel (Incl. Ref. #10)	2
13	237-81	O-Ring	4
14	340-9	Fitting (Incl. Ref. #13 & 15)	4
15	237-58	O-Ring	4
16	323-18	Bolt	4
17	3253-5	Lockwasher	4
18	353-949	O-Ring	2
19	60-6990	Washer	18
20	327-3	Bolt	16
21	58-5530	Hub — Drive (Model 03701)	2

Ref. No.	Part No.	Description	No. Used
21	62-6400	Hub — Drive (Model 03700)	2
23	3219-5	Nut — Hex	18
24	58-5610	Rim	2
25	58-5620	Tube — Inner	2
26	63-4480	Tire	2
27	323-20	Bolt	4
28	58-3780	Spacer	8
29	29-1060	Bracket	2
30	322-3	Bolt	4
31	3253-4	Lockwasher	4
32	58-0110	Bracket	2
33	3296-17	Nut — Lock	4
34	29-1070	Lever Assembly	2
35	3272-2	Cotter Pin	4
36	60-1740	Nut — Spring	4
37	58-2300	Link — Brake	4
38	60-1730	Pin — Clevis	4
39	29-1080	Pad	4
40	3256-3	Washer	4
41	3256-27	Washer	16

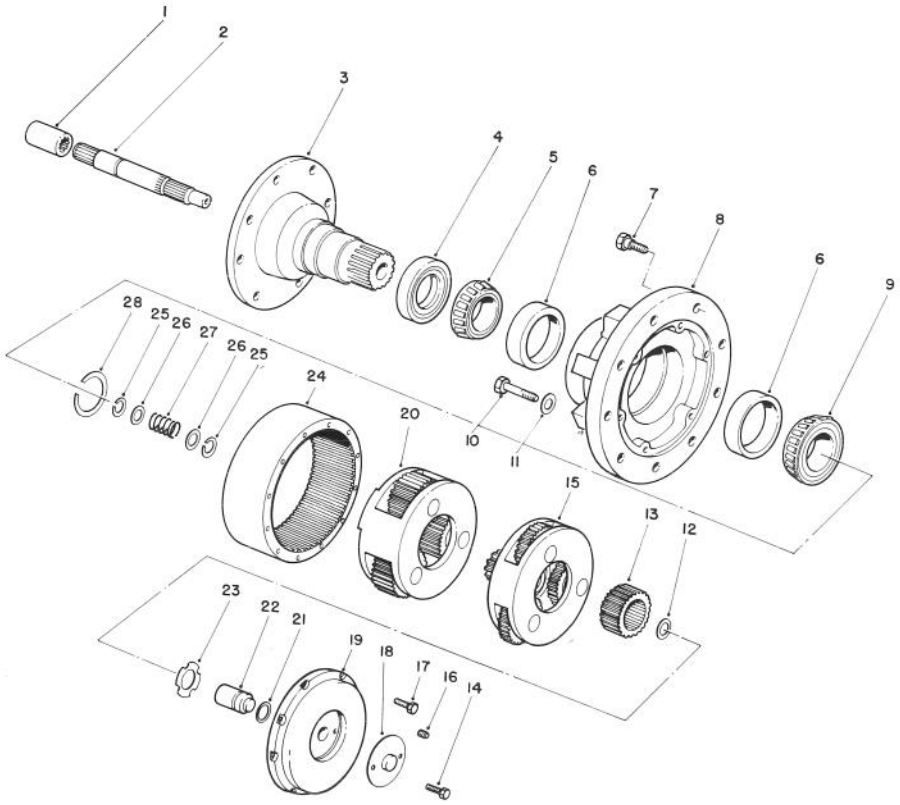


WHEEL MOTOR NO. 58-5430

Ref. No.	Part No.	Description	No. Used
1	59-8290	Cap Screw	3
2	59-8280	Cap Screw	3
3	59-8270	Back Plate Assembly (Incl. Ref. #5)	1
4	59-8260	O-Ring	1
5	60-3590	Bearing	1
6†		Retaining Ring	1
7†		Shaft Seal	1
8	59-8340	Rotating Assembly	1
9	59-8350	Camplate Assembly	1
10	59-8300	Housing Assy. (Incl. Ref. #12)	1
11	59-8380	Key	1

Ref. No.	Part No.	Description	No. Used
12	60-3380	Bearing	1
13	32151-29	Retaining Ring	2
14	252-71	Thrust Race	1
15	252-66	Thrust Bearing	1
16	33-3720	Washer	1
17	59-8370	Shaft Seal	1
18	59-8360	Drive Shaft	1
19	32151-13	Retaining Ring	1
*	59-8390	Seal Repair Kit (Incl. Ref. #4, 6, 7, 13, 17 & 19)	1
*	66-5840	Seal Repair Kit (Incl. Ref. #6 & 7)	1

* Not Illustrated
* Not Serviceable Separately.



PLANETARY GEAR DRIVE ASSEMBLY NO. 62-6400 & 58-5530

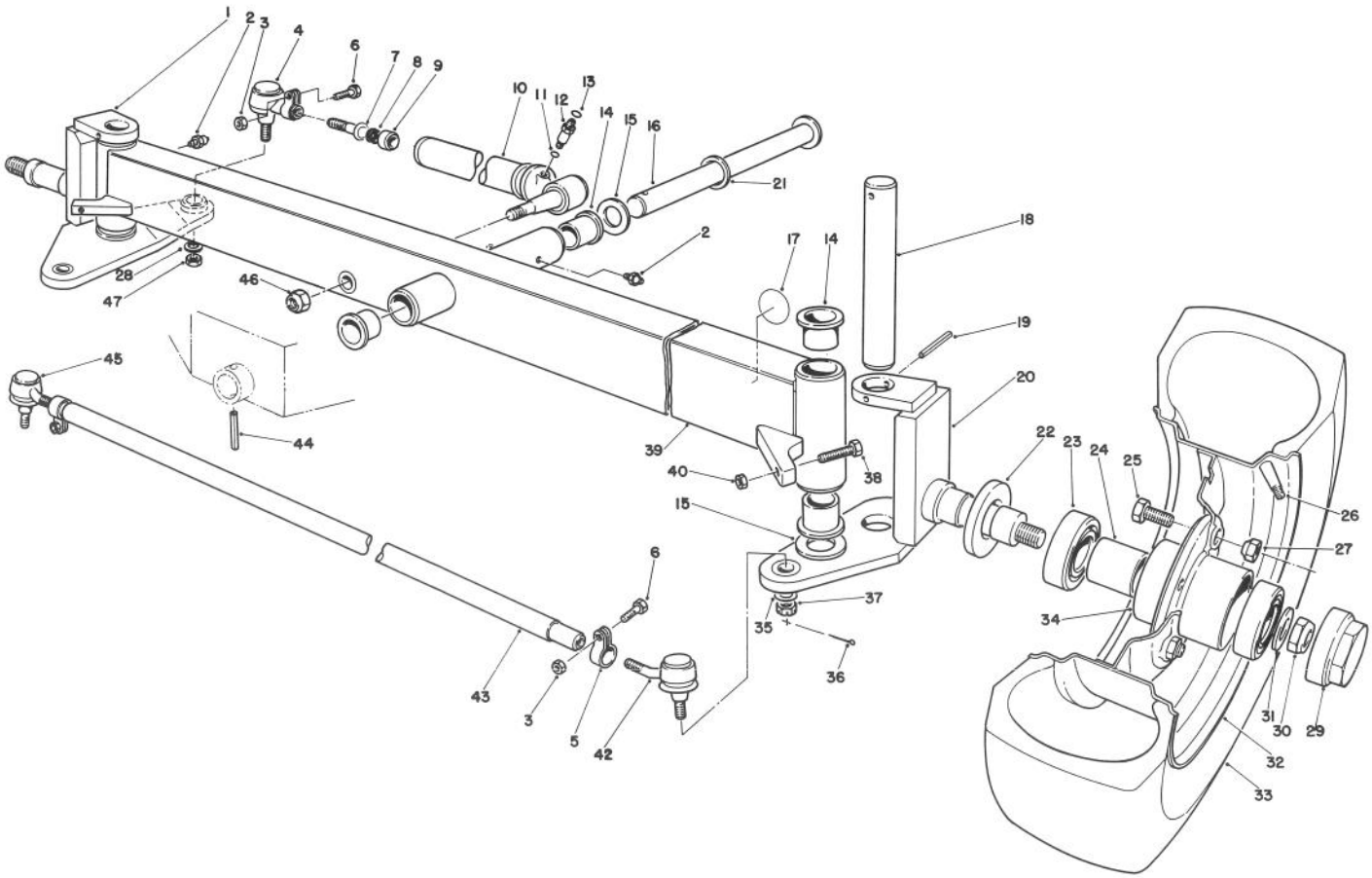
T-0140-90

(**58-5530 High Speed Ratio 15.88:1)
(††62-6400 Standard Speed Ratio 19.62:1)

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

Ref. No.	Part No.	Description	No. Used
15††	62-6410	Primary Carrier Assembly	1
16	60-4040	Pipe Plug	1
17	60-4030	Hex Hd. Bolt	8
18	60-4060	Disengage Cover	1
19	60-4050	Large Cover	1
20**	60-4000	Secondary Carrier Assembly	1
20††	62-6420	Secondary Carrier Assembly	1
21	60-4020	"O" Ring	1
22	60-4010	Disengage Plunger	1
23	60-3990	Thrust Washer	1
24	60-3900	Ring Gear	1
25	60-3930	Retaining Ring	2
26	60-3940	Washer	2
27	60-3950	Disengage Spring	1
28‡	62-6450	Retaining Ring Kit	1
*	62-6460	Tube — RTV Sealant	1

* Not Illustrated
** Used on Model 03701
†† Used on Model 03700
‡ Note: Incl. seven different thickness for service adjustment of Bearings.



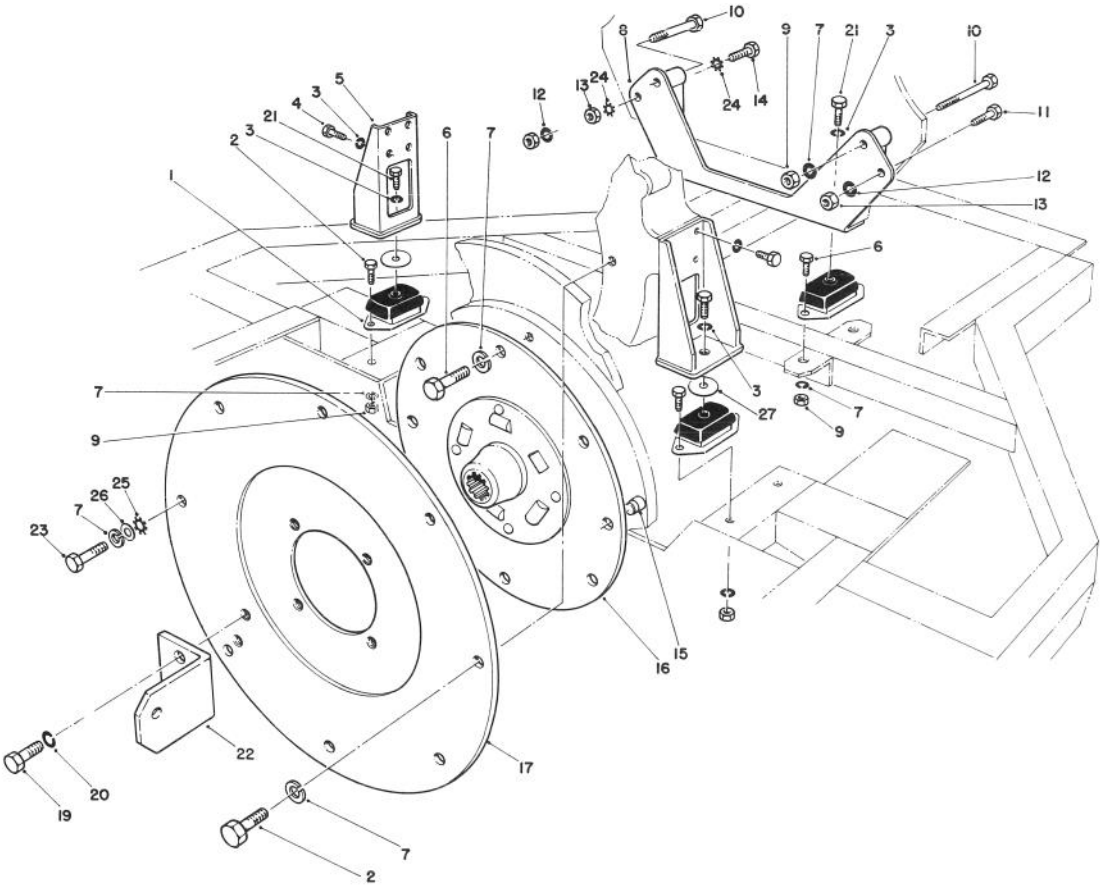
T-0141-90

STEERING AXLE

Ref. No.	Part No.	Description	No. Used
1	60-0860	Knuckle — Steering, R.H.	1
2	302-5	Grease Fitting	3
3	48-9510	Nut — Hex Lock	3
4	60-0870	Joint — Ball	1
5	48-8790	Clamp	2
6	48-7740	Bolt	3
7	60-3180	Ring	1
8	58-6320	Wiper	1
9	60-3200	Seal	1
10	58-5890	Cylinder — Steering	1
*	62-6360	Seal Kit (Incl. Ref. #7-9)	1
11	237-78	O-Ring	2
12	58-4530	Adaptor	2
13	237-22	O-Ring	2
14	48-6640	Bushing — Flanged	6
15	48-6660	Washer — Thrust	3
16	58-4330	Pin — Pivot	1
17	58-6520	Decal — Grease	2
18	58-9470	Pin — Steering Knuckle	2
19	60-1160	Pin — Spirol	2
20	60-0850	Knuckle — Steering, L.H.	1
21	29-2770	Washer — Thrust	1
22	51-1980	Seal	2
23	51-1990	Bearing	4

Ref. No.	Part No.	Description	No. Used
24	51-2000	Spacer — Bearing	2
25	51-2020	Stud — Wheel	10
26	232-27	Stem — Valve	2
27	51-2010	Nut — Lug	10
28	3256-26	FW	1
29	51-2030	Cap — Dust	2
30	53-6900	Nut — Axle	2
31	53-6890	Washer	2
32	217-116	Rim	2
33	69-9880	Tire	2
34	58-9080	Hub Assembly (Incl. Ref. #22-25, 27 & 29-31)	2
35	51-2060	Washer	1
36	3272-13	Pin — Cotter	2
37	32136-13	Nut — Castle	2
38	51-2050	Bolt	2
39	58-0310	Axle — Steering	1
40	48-9520	Nut — Hex Lock	2
42	48-8780	Pin — Ball, L.H. (Incl. Ref. #37)	1
43	48-8760	Track — Rod	1
44	60-3670	Pin — Expansion	1
45	48-8770	Pin — Ball, R.H. (Incl. Ref. #37)	1
46	3296-63	Nut — Hex Lock	1
47	3296-28	Nut — Hex Lock	1

* Not Illustrated
† Not Serviceable Separately.

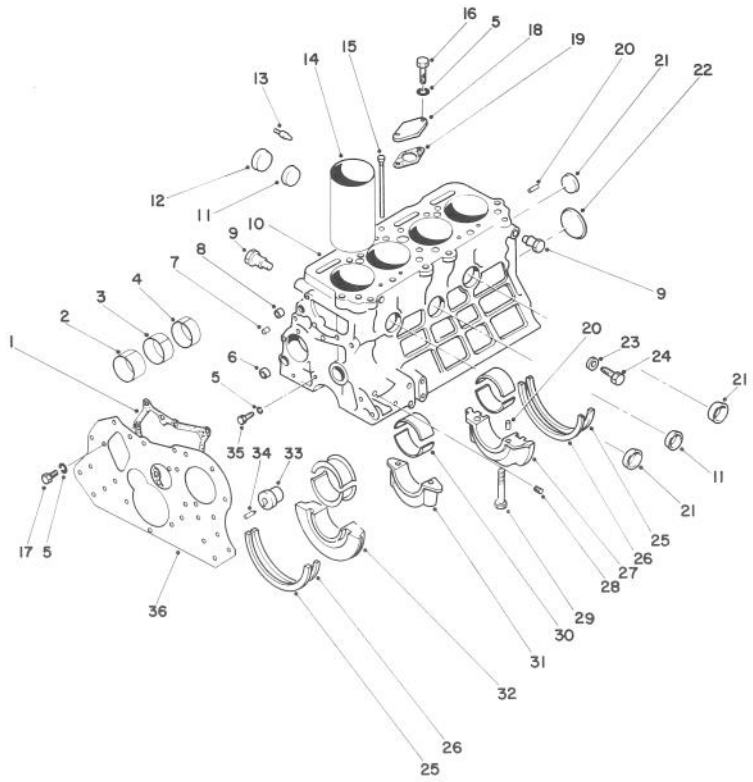


T-0142-90

ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	48-3250	Mount — Rubber	4
2	48-9470	Bolt	11
3	48-8070	Lockwasher	12
4	48-7830	Bolt	8
5	48-3380	Leg — Support	2
6	48-7780	Bolt	10
7	48-9590	Lockwasher	24
8	58-0660	Foot — Front	1
9	48-7960	Nut — Hex	10
10	48-7570	Bolt	2
11	48-9460	Bolt	1
12	48-9570	Lockwasher	2
13	48-7930	Nut — Hex	3

Ref. No.	Part No.	Description	No. Used
14	60-4540	Bolt	1
15	58-3590	Dowel	2
16	48-6260	Coupling — Spring Center	1
17	58-0320	Plate — Pump Adapter	1
19	3213-20	Bolt	2
20	3253-7	Lockwasher	2
21	60-6870	Bolt	4
22	60-1010	Lug — Angle	1
23	48-9480	Bolt	1
24	3255-8	Lockwasher	2
25	3255-9	Washer	1
26	48-9580	Washer	1
27	58-5100	Washer	2



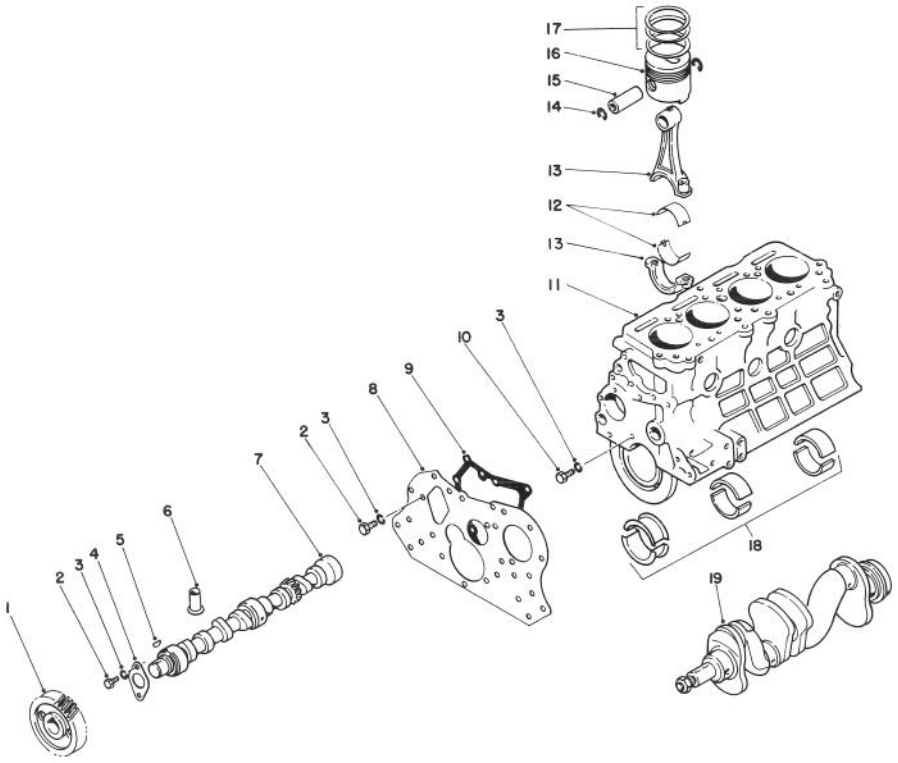
T-0143-90

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
8	51-5690	Cap	1
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	1
14	51-5550	Sleeve — Cylinder Std.	4
*	51-8090	Sleeve — Cylinder Oversize	4
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
21	51-5590	Cap — Sealing	3

Ref. No.	Part No.	Description	No. Used
22	51-5660	Plug — Expansion	1
23	51-8270	Washer — Sealing	1
24	51-8280	Bolt	1
25	51-5750	Gasket	2
26	51-5760	Retainer	2
27†		Cap — Bearing No. 3	1
28	51-7180	Plug — Taper	3
29	51-5620	Bolt	6
30	51-5770	Bearing Set Std.	1
*	51-8100	Bearing Set 0.25mm Undersize	1
*	51-8110	Bearing Set 0.50mm Undersize	1
*	51-8120	Bearing Set 0.75mm Undersize	1
31†		Cap — Bearing No. 2	1
32†		Cap — Bearing No. 1	1
33	51-5640	Shaft Assembly — Idler Gear (Incl. Ref. #34)	1
34	51-5650	Pin — Spring	1
35	60-7310	Bolt	1
36	51-5720	Plate — Front	1
*	62-6310	Engine Overhaul Gasket Kit	1
*	58-5630	Engine — Complete	1

* Not Illustrated
† Not Serviceable Separately.



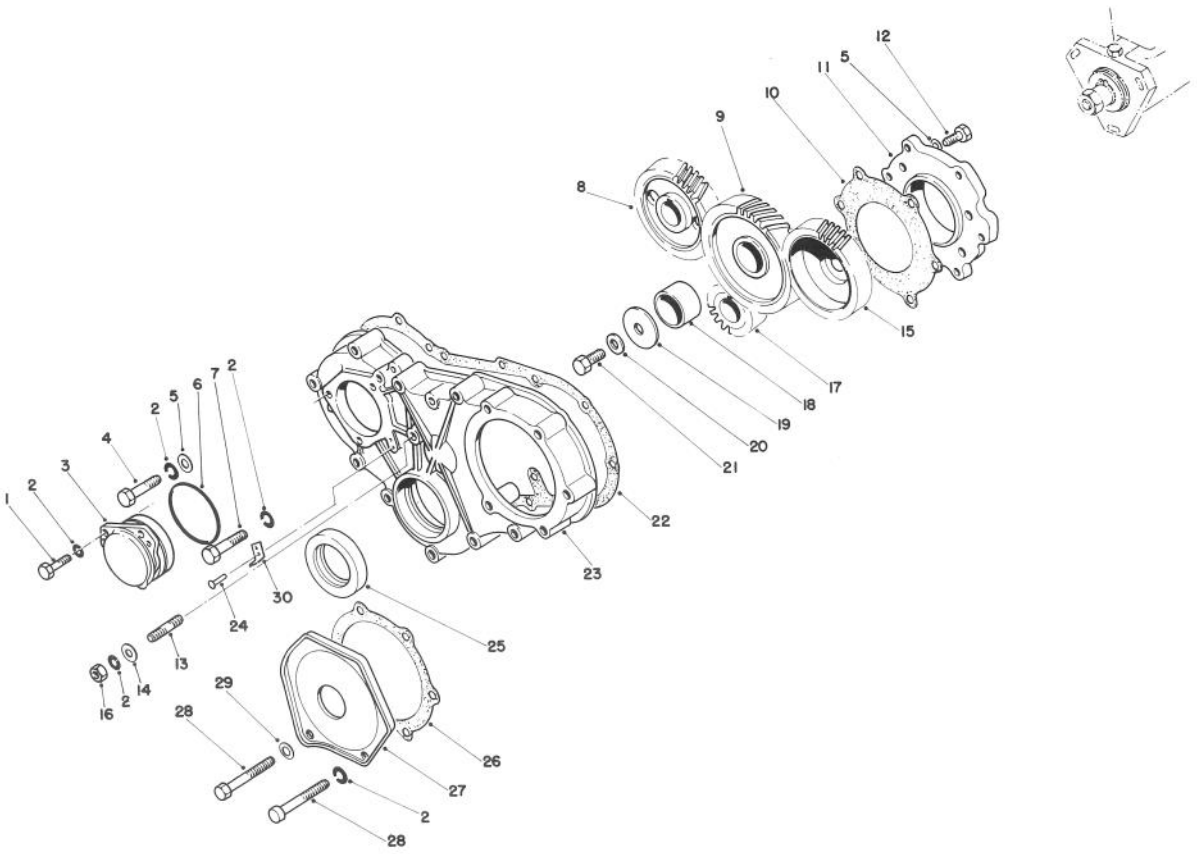
T-0144-90

SHORT BLOCK ASSEMBLY NO. 58-5670
(TO BE USED ON ENGINE PRIOR TO SER. NOS. 159990 ONLY)

Ref. No.	Part No.	Description	No. Used
1	51-6410	Gear — Camshaft	1
2	60-7110	Bolt	4
3	51-7250	Lockwasher	5
4	51-5470	Plate — Thrust	1
5	51-5460	Key Woodruff	1
6	51-5440	Tappet	8
7	51-5450	Camshaft	1
8	51-5720	Plate — Front	1
9	51-5730	Gasket	1
10	60-7310	Bolt	1

Ref. No.	Part No.	Description	No. Used
11*		Crankcase Assembly	1
12	51-6240	Bearing — Connecting Rod	8
13	51-6200	Connecting Rod Assembly	4
14	51-6190	Ring — Snap	8
15	51-6180	Pin Piston	4
16	51-6170	Piston	4
17	51-6160	Ring Set — Piston	4
18	51-5770	Bearing Set — Main	1
19	51-6250	Crankshaft Assembly	1

* Not Serviceable Separately.

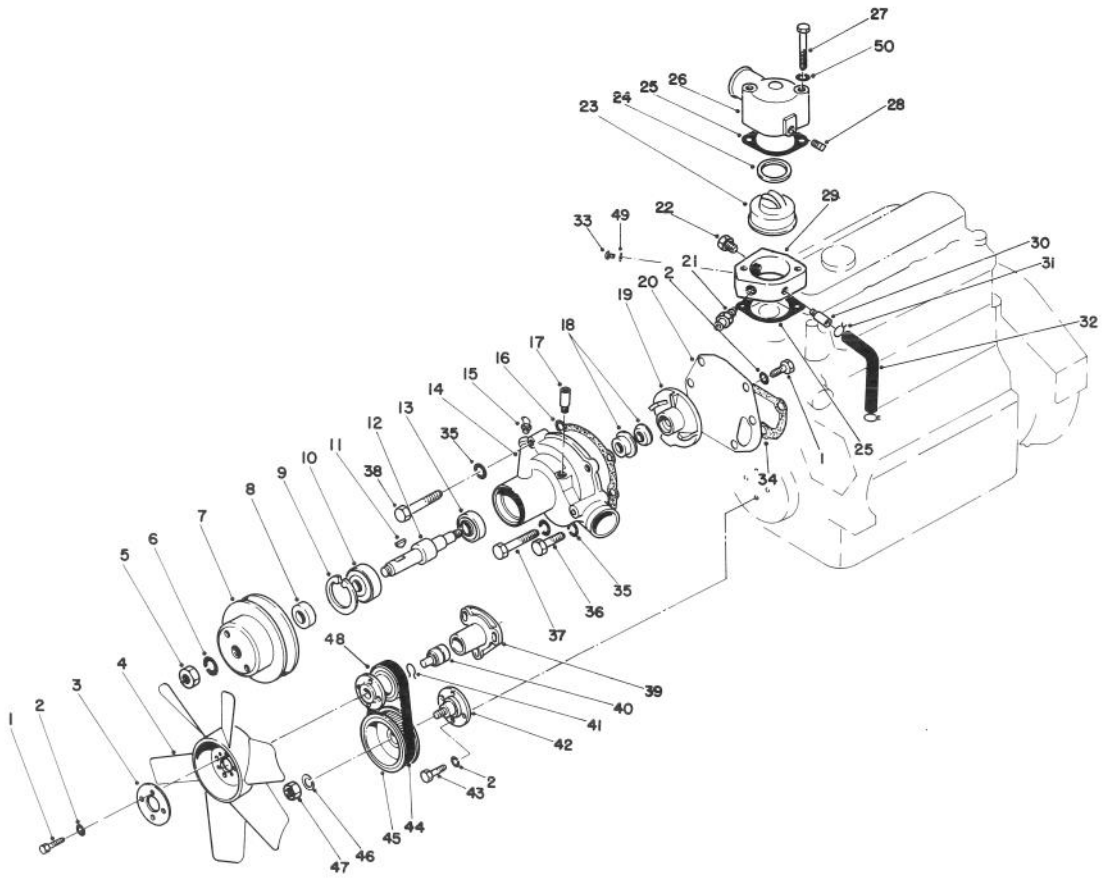


T-0146-90

TIMING GEAR & CASE COMPONENTS

Ref. No.	Part No.	Description	No. Used
1	60-7110	Bolt	3
2	51-7250	Washer — Spring	20
3	60-7080	Case	1
4	60-7040	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	51-6420	Idler — Gear Assembly (Incl. Ref. #18)	1
10	60-7190	Gasket — Flange Plate	1
11	60-7200	Plate — Flange	1
12	51-8310	Bolt	1
13	60-7150	Stud	3
14	60-5060	Washer	3
15	60-7230	Gear — Injector Pump	1

Ref. No.	Part No.	Description	No. Used
16	60-7120	Nut	3
17	51-6450	Gear — Crankshaft	1
18	51-6430	Bushing	1
19	51-6400	Plate — Thrust	1
20	51-6390	Washer	1
21	60-7210	Bolt	1
22	51-5820	Gasket	1
23	60-7100	Case — Timing Gear	1
24	60-7160	Rivet	2
25	51-5870	Seal	1
26	51-5860	Gasket	1
27	51-5850	Cover	1
28	60-7180	Bolt	5
29	51-5840	Washer — Sealing	1
30	60-7170	Pointer	1

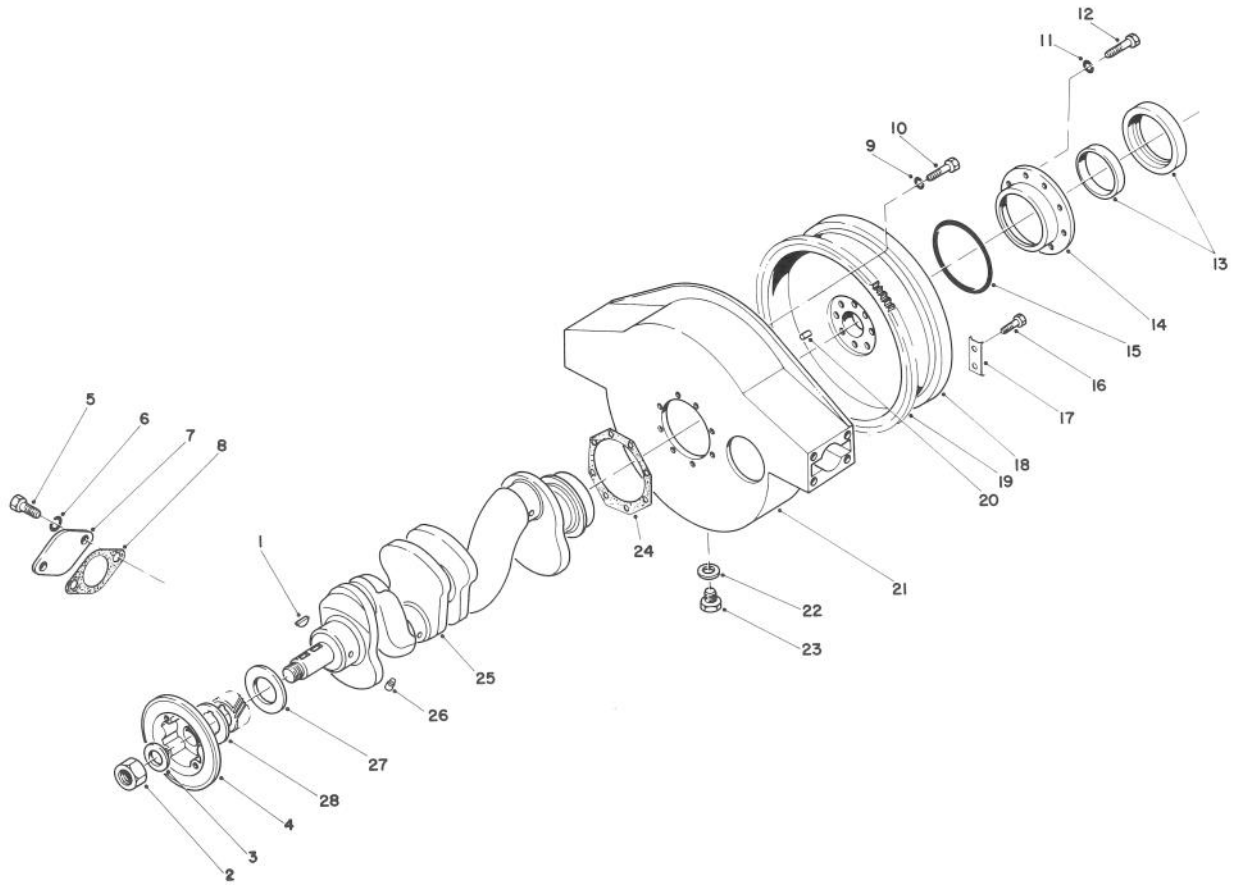


T-0148-90

WATER PUMP & THERMOSTAT HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	60-7110	Bolt	6
2	51-7250	Washer — Spring	8
3	51-7270	Plate — Washer	1
4	49-0130	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	2
9	51-6940	Ring — Snap	1
10	51-6950	Bearing — Ball	1
11	51-6960	Key — Woodruff	1
12	51-6970	Shaft	1
13	51-6980	Ball Bearing	1
14	51-8240	Water Pump Assy. (Incl. Ref. #1, 2, 5-13, 15-20, 34-38)	1
15	51-7020	Grease Fitting	1
16	51-7010	Gasket	1
17	51-6990	Pipe	1
18	51-7030	Seal Unit	1
19	51-7040	Impeller	1
20	51-7050	Cover	1
21	60-5590	Switch — Temp.	1
22	59-7160	Sender — Temp.	1
23	51-7230	Thermostat	1
24	51-7220	Gasket	1
25	51-7210	Gasket	2

Ref. No.	Part No.	Description	No. Used
26	51-7160	Elbow Assy. (Incl. Ref. #28)	1
27	68-6030	Bolt	2
28	281-7	Plug	1
29	58-2110	Housing — Thermostat	1
30	51-7170	Pipe	1
31	51-7200	Clamp — Hose	2
32	51-7190	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	60-5280	Support Housing	1
40	60-5290	Bearing & Shaft Assembly	1
41	60-5310	Wire	1
42	60-5320	Shaft — Drive	1
43	60-7370	Bolt	4
44	62-6390	Belt	1
45	60-5200	Pulley — Drive	1
46	60-5230	Washer — Spring	1
47	60-5220	Nut	1
48	60-5300	Pulley — Driver	1
49	3255-5	Washer — Lock	1
50	3253-4	Washer — Lock	2

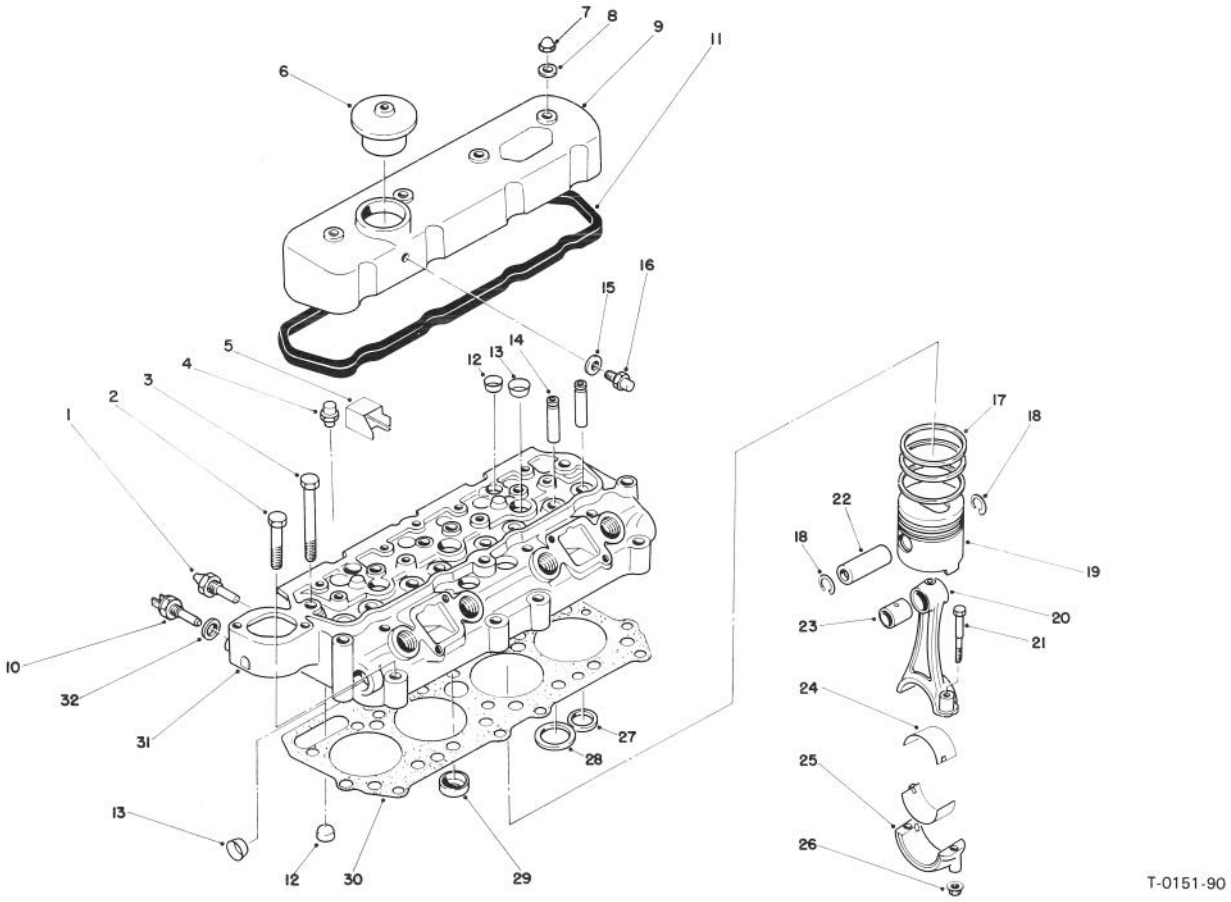


T-0150-90

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 — Oil Seal	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 Assy. (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 — Flywheel Housing	1
23	51-6030	Plug	1
24	51-5980	Gasket	1
25	51-6250	Crankshaft Assembly (Incl. Ref. #1-3, 20 & 26)	1
26	60-7470	Plug	4
27	51-6330	Plate — Thrust	1
28	51-6320	Plate — Baffle	1



CYLINDER HEAD & PISTON COMPONENTS

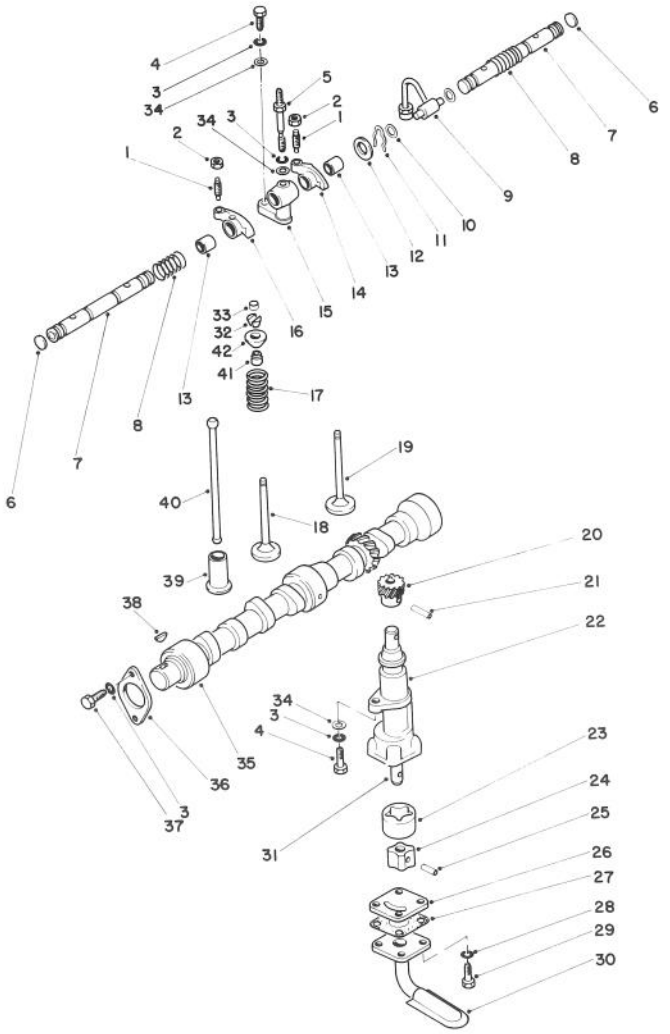
Ref. No.	Part No.	Description	No. Used
1	51-5070	Switch — Temp. Warning	1
2	51-5030	Bolt — Cylinder Head	5
3	51-5040	Bolt — Cylinder Head	10
*	63-4740	Bolt — Cylinder Head	2
4	51-5050	Connector — Fitting	1
5	51-5410	Cover	1
6	51-5350	Cap — Oil Fill	1
7	51-5360	Nut — Cap	4
8	51-5370	Gasket	4
9	51-5380	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	51-4950	Guide Valve	8
15	51-5390	Washer — Sealing	1
16	51-5400	Connector	1
17	51-6160	Piston Ring Set Std.	1
*	51-8130	Piston Ring Set O.S. 0.25mm	1
*	51-8140	Piston Ring Set O.S. 0.50mm	1
*	51-8150	Piston Ring Set O.S. 0.75mm	1
18	51-6190	Ring Snap	8

Ref. No.	Part No.	Description	No. Used
19	72-0240	Piston Std.	4
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	72-0230	Jet — Combustion Std.	4
30	51-5000	Gasket — Cylinder Head	1
31	72-0220	Cylinder Head Assembly (Incl. Ref. #12-14 & 27-29)	1
32	51-6890	Gasket	1

* Not Illustrated

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

† Not Serviceable Separately.



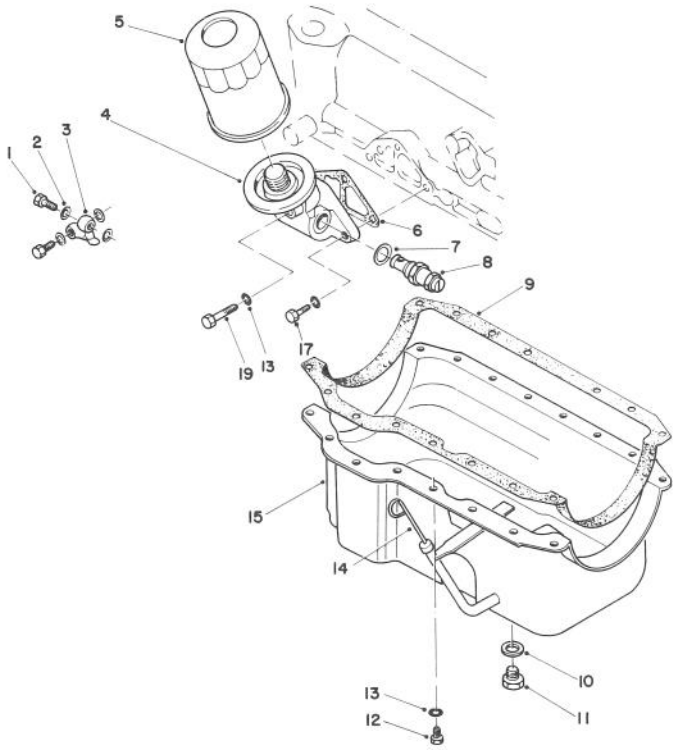
T-0152-90

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 Assy. (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 — Plain	9
35	51-5450	Camshaft	1
36	51-5470	Plate — Thrust	1
37	60-7110	Bolt	2
38	51-5460	Key — Woodruff	1
39	51-5440	Tappet	8
40	51-5430	Pushrod	8
41	51-5310	Seal — Valve Stem	8
42	51-5300	Retainer — Upper	8
*	51-6700	Oil Pump Rotor Assembly (Incl. Ref. #23-25 & 31)	1

* Not Illustrated
† Not Serviceable Separately.

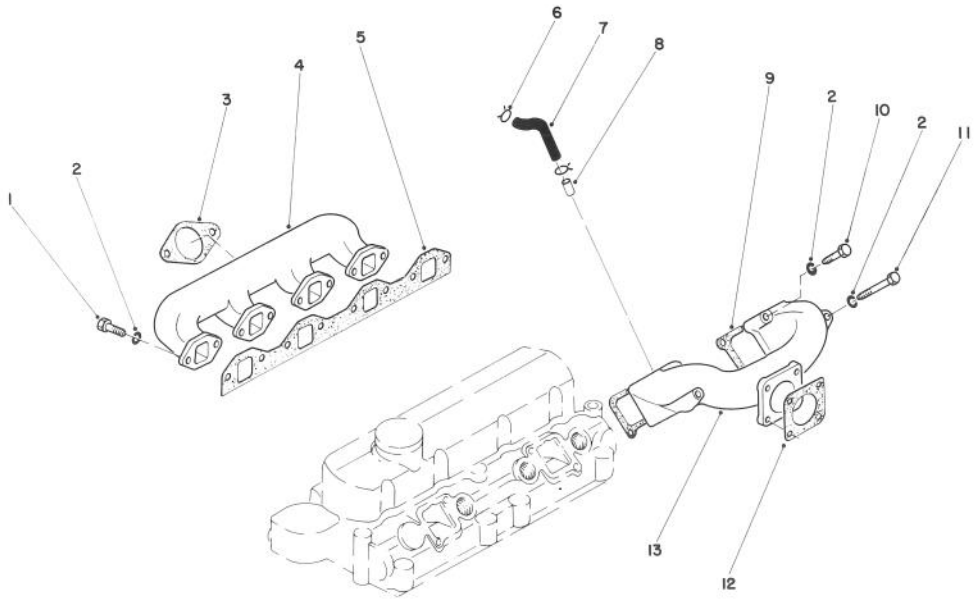


T-0153-90

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	Filter Element	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

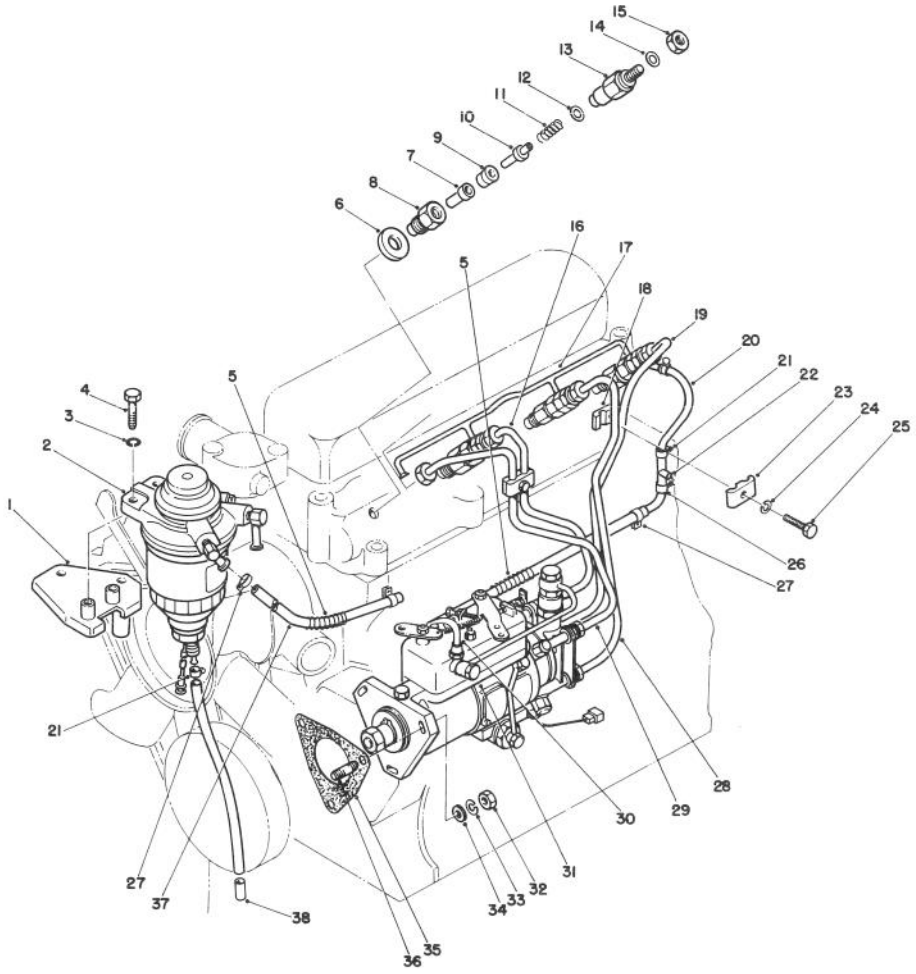


T-0154-90

INLET & 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

Ref. No.	Part No.	Description	No. Used
8	51-7170	Pipe	1
9	51-6500	Gasket — Intake Manifold	2
10	60-7040	Bolt	2
11	60-7300	Bolt	2
12	51-6550	Gasket — Intake Pipe	1
13	51-6540	Manifold — Inlet	1



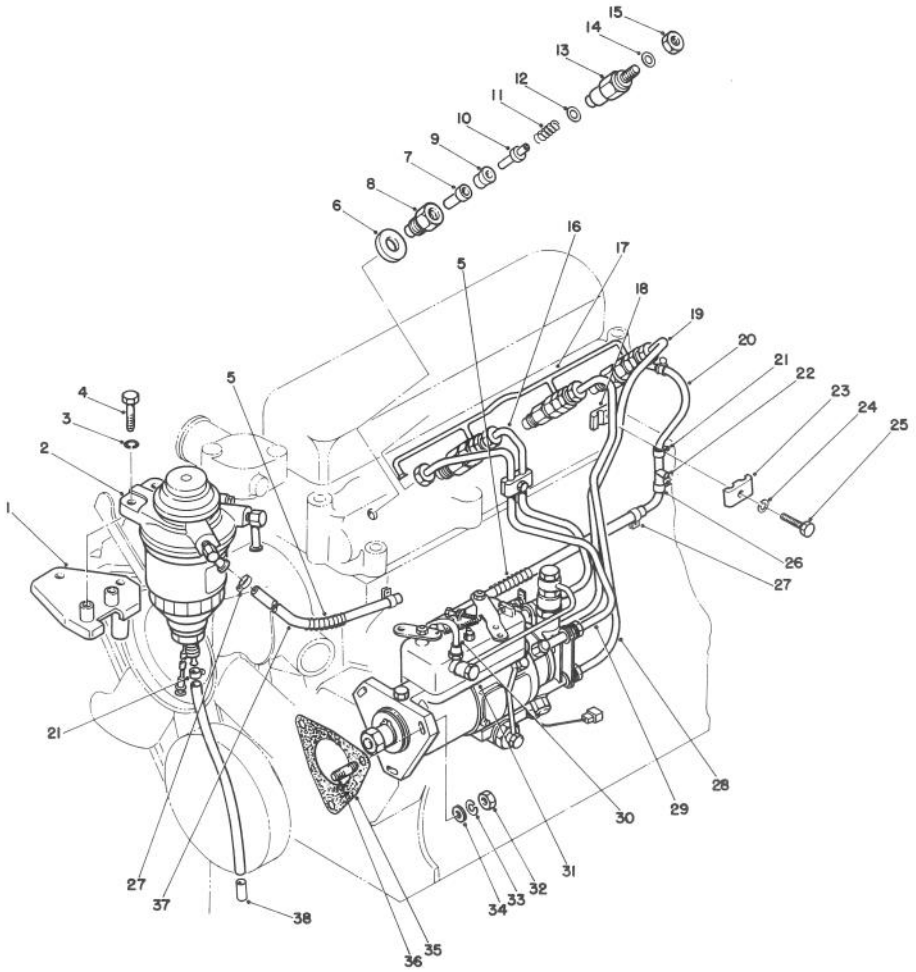
T-0155-90

FUEL SYSTEM 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	72-0340	Injector Shim Kit (0.9 mm thru 1.95 mm in .025 mm increments)	1
13	72-0320	Nozzle — Body	4
14	72-0330	Packing	4

Ref. No.	Part No.	Description	No. Used
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

* Not Illustrated

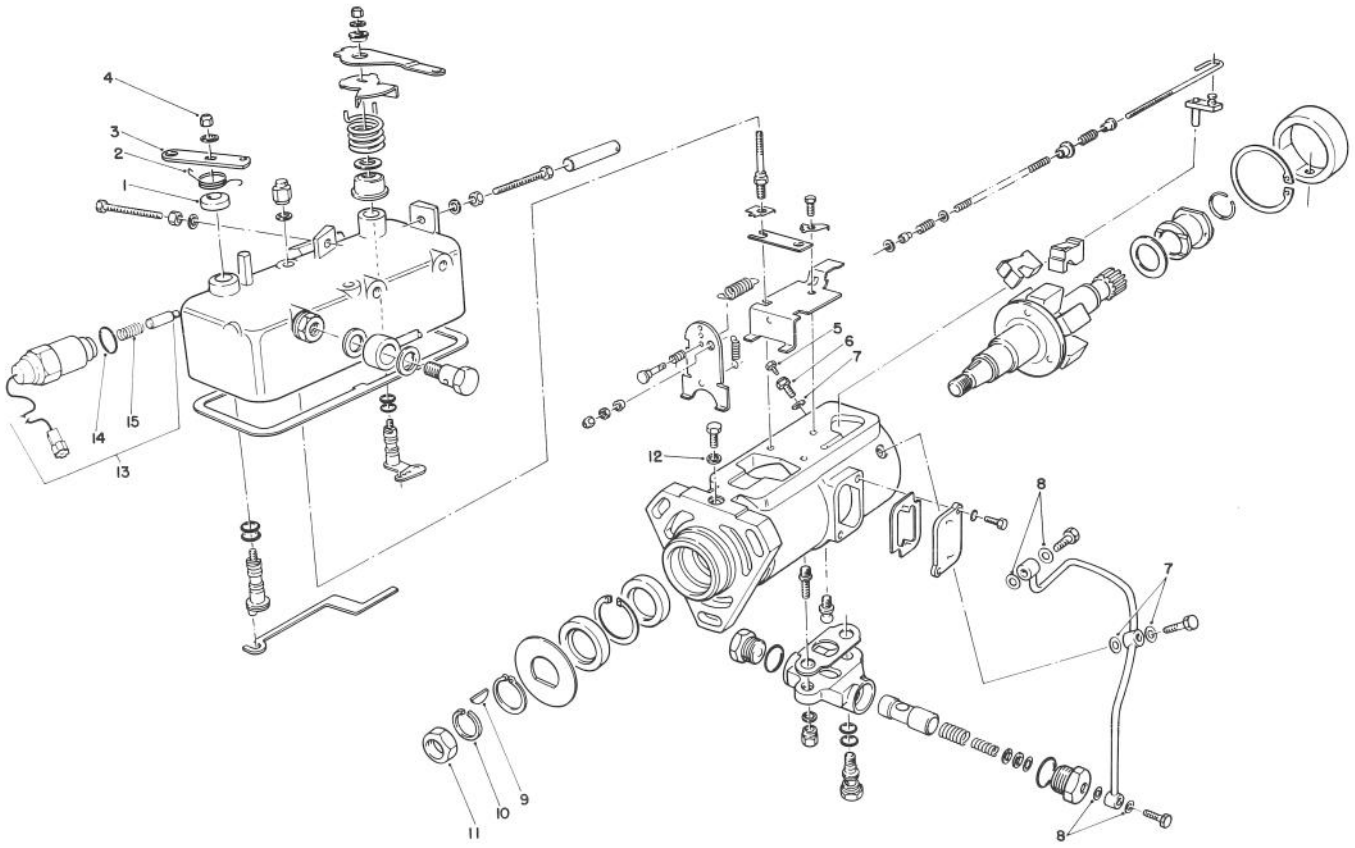


T-0155-90

FUEL SYSTEM INJECTION PUMP & NOZZLE COMPONENTS (Continued)

Ref. No.	Part No.	Description	No. Used
28	72-0190	Pipe —Injector No. 3	1
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

Ref. No.	Part No.	Description	No. Used
33	51-7250	Washer — Spring	3
34	60-5060	Washer	3
35	60-5050	Gasket	1
36	60-7150	Stud	3
37	60-5040	Hose — Fuel Feed	1
38	60-2780	Tube — Drain	1

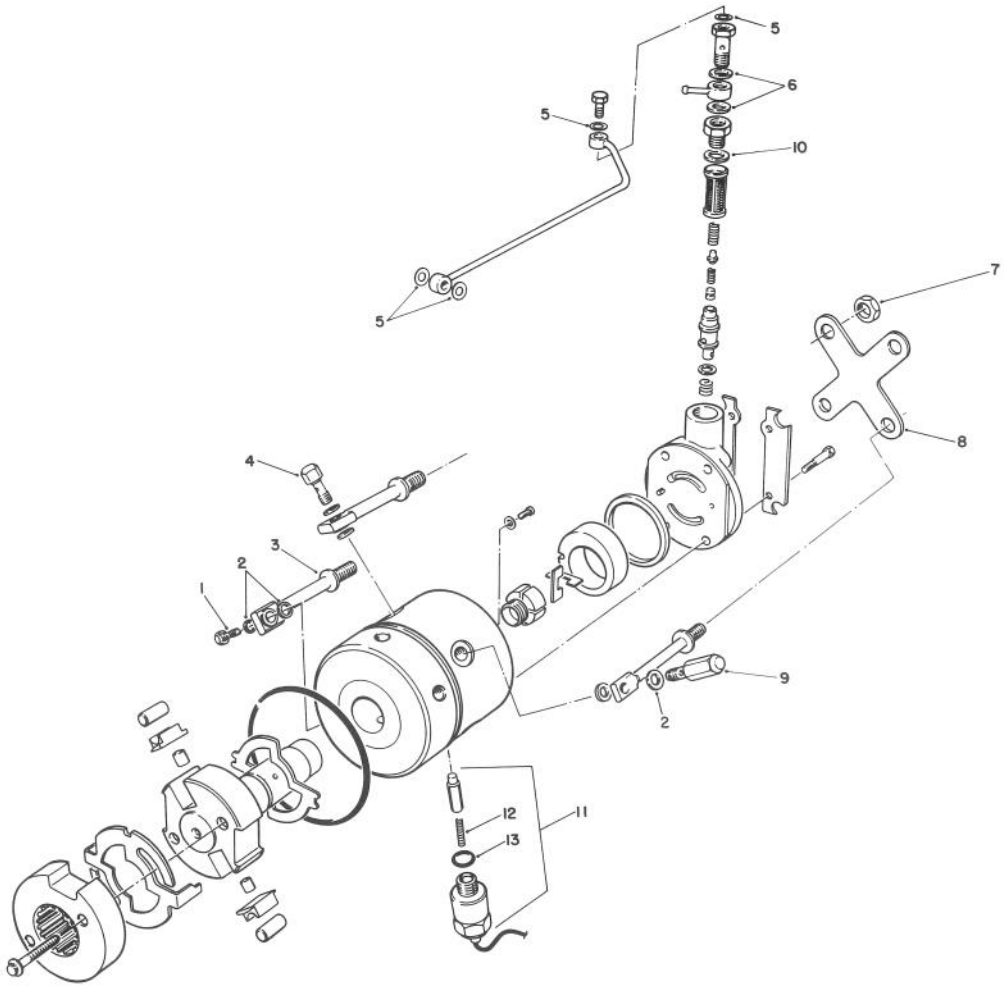


T-0156-90

FUEL INJECTION PUMP NO. 60-5100

Ref. No.	Part No.	Description	No. Used
1	63-4550	Cap	1
2	63-4560	Spring	1
3	63-4570	Lever	1
4	63-4580	Nut	1
5	63-4590	Screw — Vent	1
6	63-4600	Body — Screw Vent	1
7	63-4610	Washer	3
8	63-4620	Washer	4

Ref. No.	Part No.	Description	No. Used
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

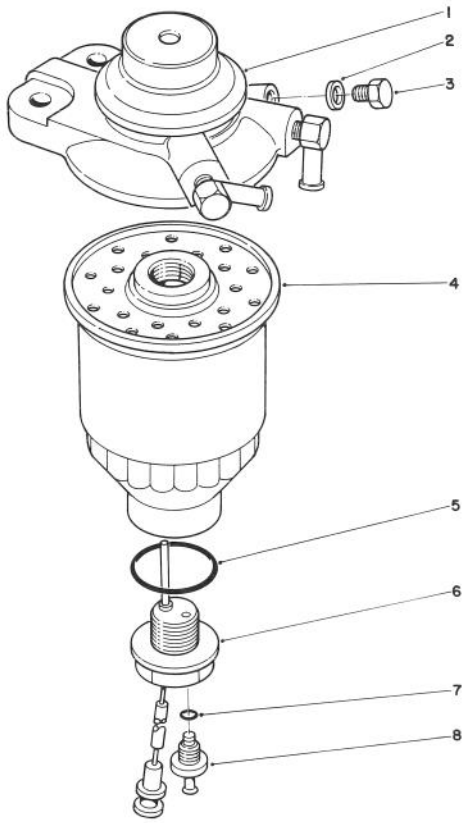


T-0157-90

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

Ref. No.	Part No.	Description	No. Used
8	60-3130	Plate — Clamping	1
9	60-3100	Valve — Pressure	1
10	60-3110	Washer	1
11	60-3160	Solenoid (Incl. Ref. #12 & 13)	1
12	60-3140	Spring	1
13	60-3150	Sealing Ring	1



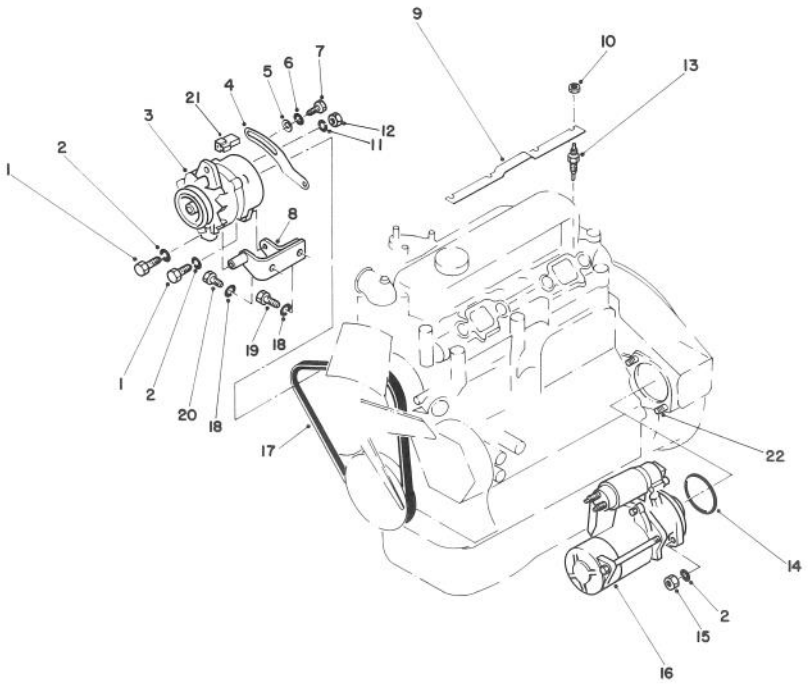
T-0158-90

FUEL FILTER ASSEMBLY NO. 60-5010

Ref. No.	Part No.	Description	No. Used
1*		Body Assembly	1
2*		Seal	1
3	60-5450	Air Plug (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	Drain Plug Kit (Incl. Ref. #7)	1

* Not Serviceable Separately.



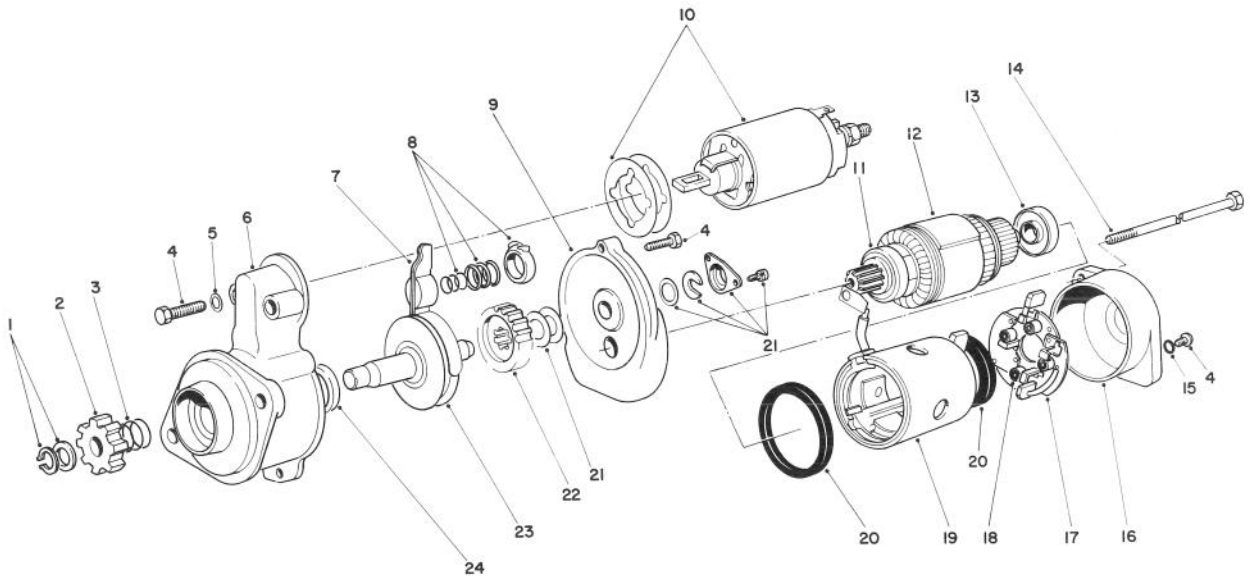
T-0159-90

ELECTRICAL COMPONENT PARTS

Ref. No.	Part No.	Description	No. Used
1	51-8640	Bolt	2
2	51-6390	Washer — Spring	4
3	60-5420	Alternator	1
4	51-8580	Plate — Adjusting	1
5	51-8590	Washer — Plain	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

Ref. No.	Part No.	Description	No. Used
12	48-7880	Nut	1
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	58-6970	Diode	1
22	51-5950	Stud	2

* Not Serviceable Separately.



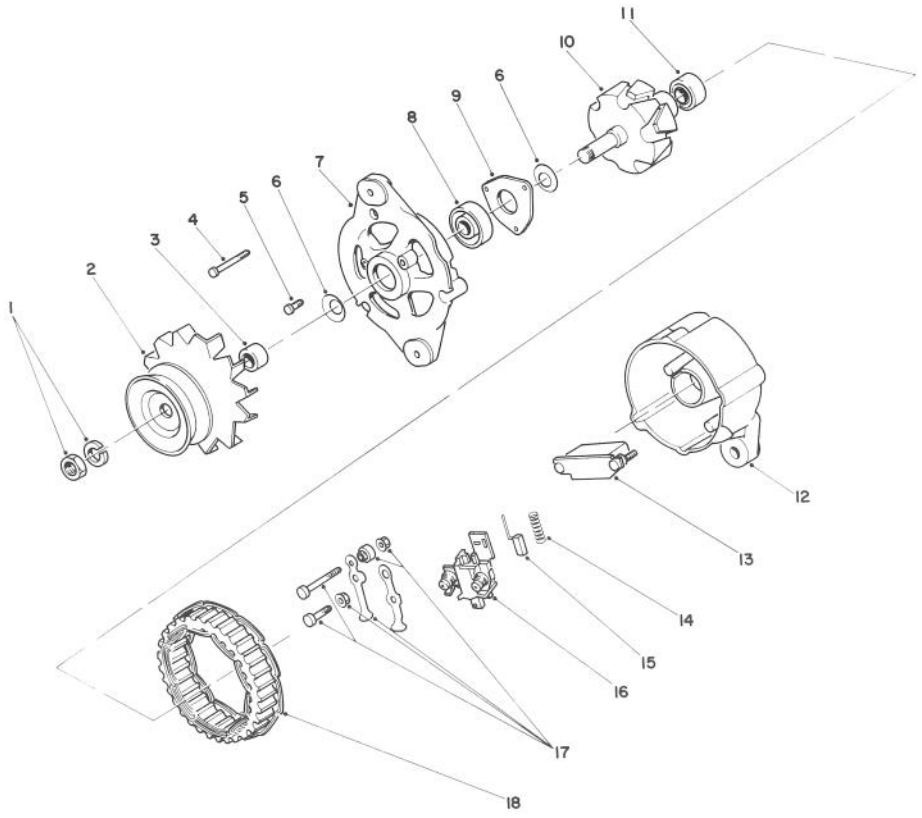
T-0160-90

STARTER MOTOR ASSEMBLY NO. 51-7590

Ref. No.	Part No.	Description	No. Used
1	51-7740	Retaining Ring Assembly	1
2	51-7730	Gear Pinion Assembly (Incl. Ref. #1 & 3)	1
3†		Spring	1
4	51-7600	Screw Set	1
5	51-7610	Packing	2
6	51-7620	Cover Assembly Front (Incl. Ref. #24)	1
7	51-7640	Lever Assembly	1
8	51-7650	Spring Assembly	1
9	51-7660	Bracket Assembly Center	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	Shaft Assy., Clutch Assy. (Incl. Ref. #1-3 & 21-24)	1

* Not Illustrated
† Not Serviceable Separately.

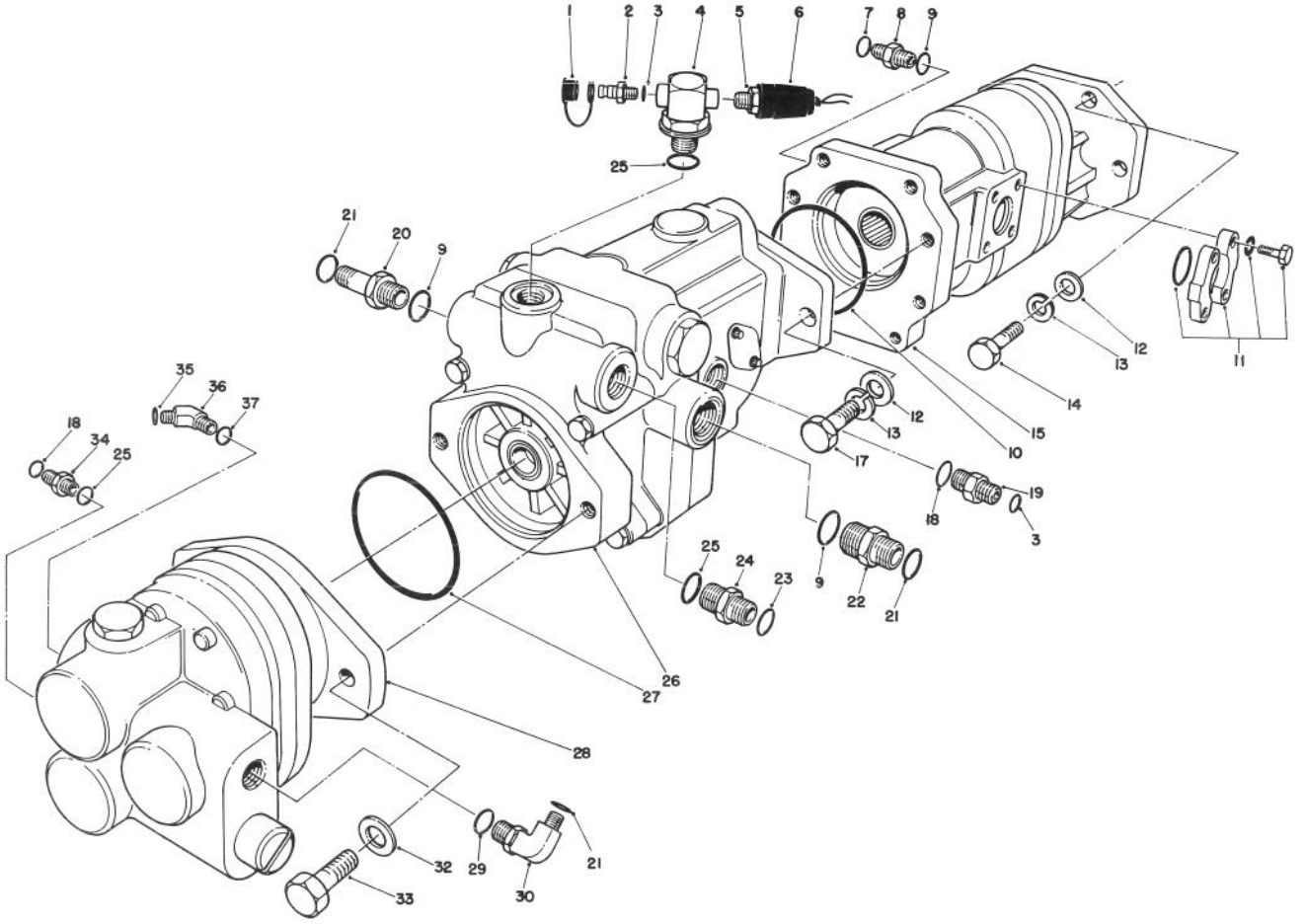


T-0161-90

ALTERNATOR ASSEMBLY NO. 60-5420

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	Cover Assembly — Front (Incl. Ref. #5, 6, 8 & 9)	1
8	60-5350	Bearing	1
9†		Plate — Bearing Retainer	1
10	51-7910	Rotor Assembly (Incl. Ref. #11)	1
11	60-5360	Bearing	1
12	60-5380	Cover Assembly — Rear (Incl. Ref. #13, 16 & 17)	1
13	60-5370	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.



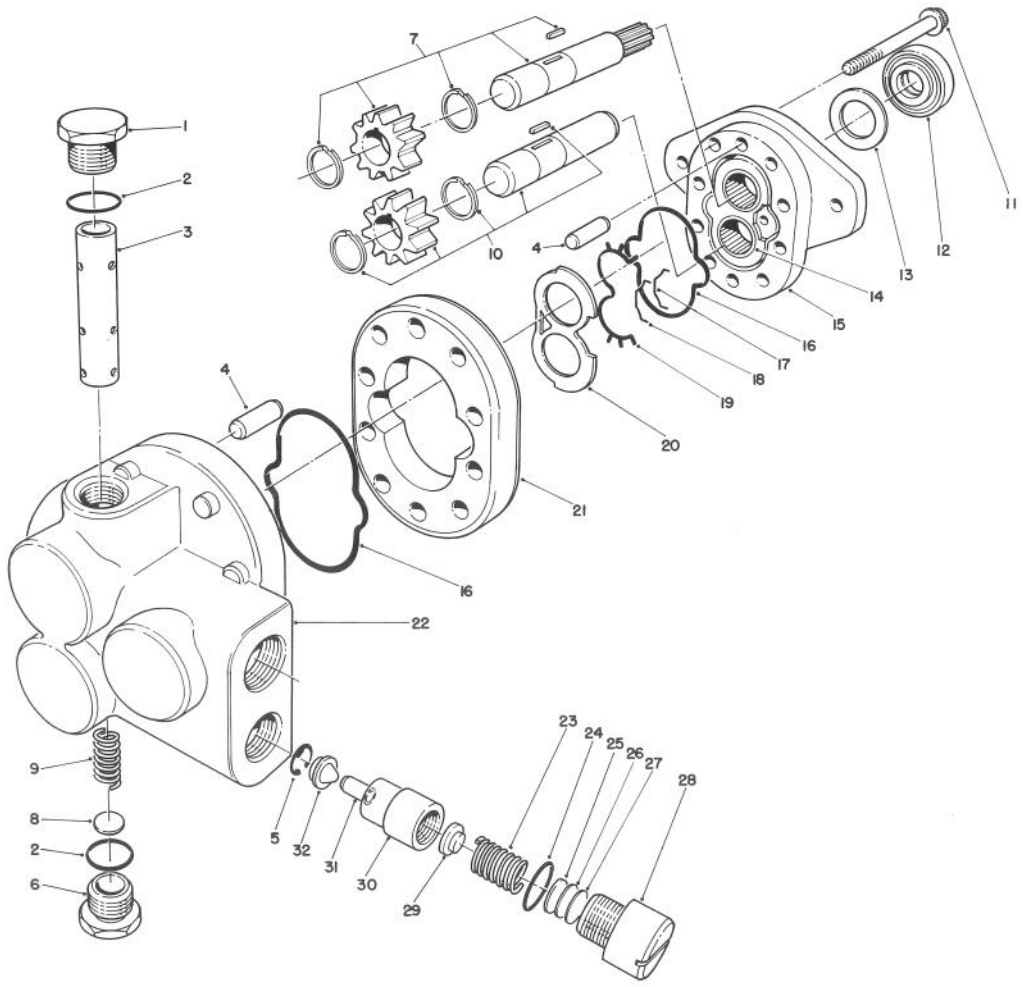
T-0162-90

HYDRAULIC PUMP CONNECTIONS

Ref. No.	Part No.	Description	No. Used
1	353-947	Cap — Dust	1
2	59-7410	Fitting — Diagnostic (Incl. Ref. #3)	1
3	237-42	O-Ring	2
4	59-7450	Run — Tee (Incl. Ref. #25)	1
5	60-1060	Switch — Pressure	1
6	60-1070	Boot	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	6
13	3253-7	Lockwasher	6
14	3213-2	Bolt	4
15	58-5510	Pump — Gear (Incl. Ref. #10) (Model 03700)	1
15	58-5511	Pump — Gear (Incl. Ref. #10) (Model 03701)	1
17	325-5	Bolt	2
18	237-22	O-Ring	2

Ref. No.	Part No.	Description	No. Used
19	340-2	Fitting (Incl. Ref. #3 & 18)	1
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
*	58-5500	Tandum Pump Assembly (Incl. Ref. #26-28 & 32-33)	1

* Not Illustrated



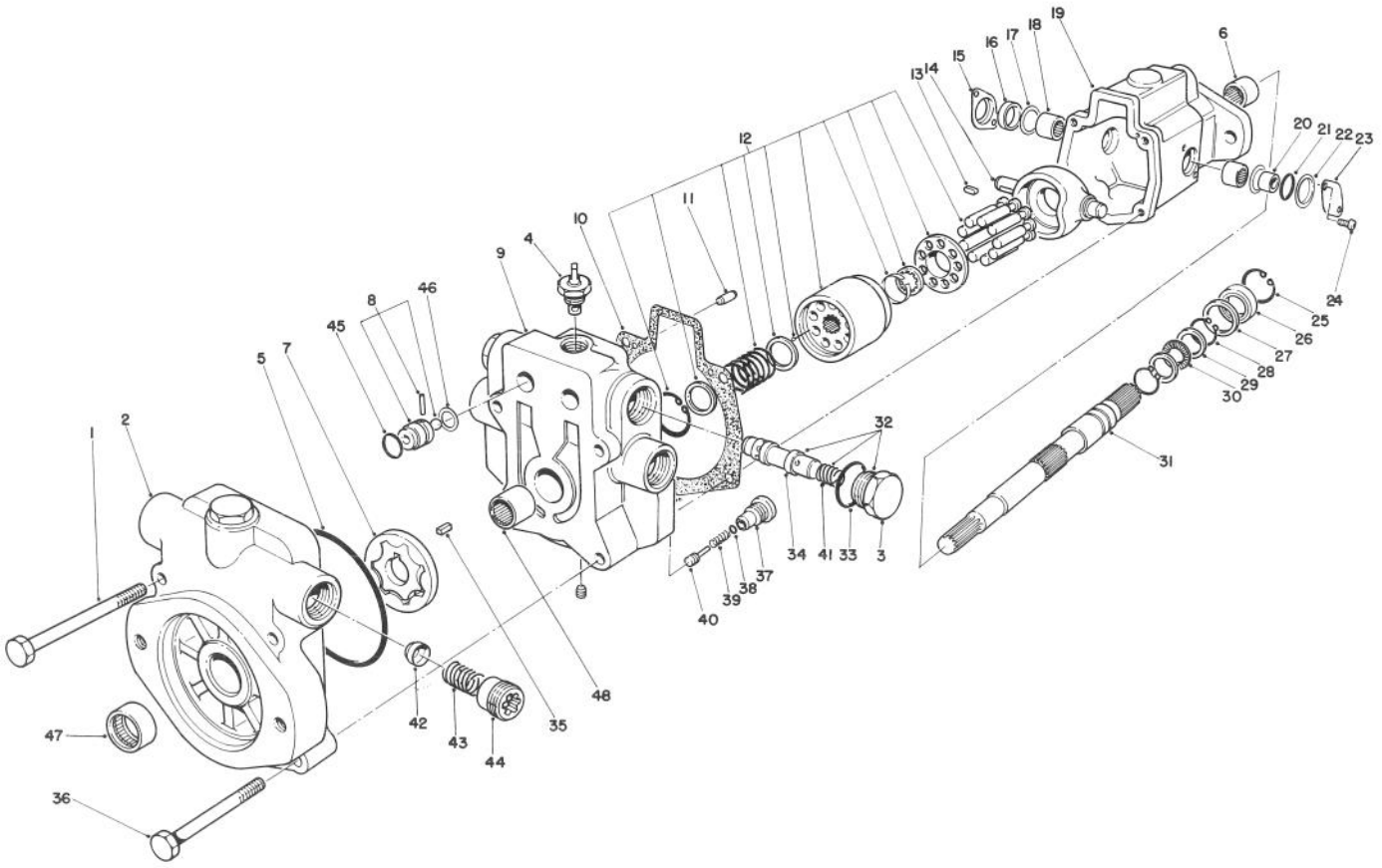
T-0163-90

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	Dowel Pin	4
5†		Retaining Ring	1
6	60-5710	Plug (Incl. Ref. #2)	1
7	60-5780	Gear Drive 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	Capscrew	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
17	49-2680	Molded O-Ring	1

Ref. No.	Part No.	Description	No. Used
18	49-2700	Bearing Seal	1
19	49-2690	Backup Gasket	1
20	49-2670	Wear Plate	1
21	60-5740	Body Assembly (Incl. Ref. #4)	1
22†		Back Plate Assembly	1
23	60-5790	Spring	1
24	60-5880	O-Ring	1
25	60-5830	Washer	A/R
26	60-5840	Washer	A/R
27	60-5850	Washer	A/R
28	60-5870	Plug Assembly (Incl. Ref. #24)	1
29	60-5810	Plug Seat	1
30†		Cartridge Assembly	1
31	60-5800	Seat	1
32†		Poppet	1
*	60-5910	Back Plate Repair Kit	1
*	60-5900	Seal Repair Kit (Incl. Ref. #2, 12, 13, 16-20 & 24)	1

* Not Illustrated
† Not Serviceable Separately.



T-0164-90

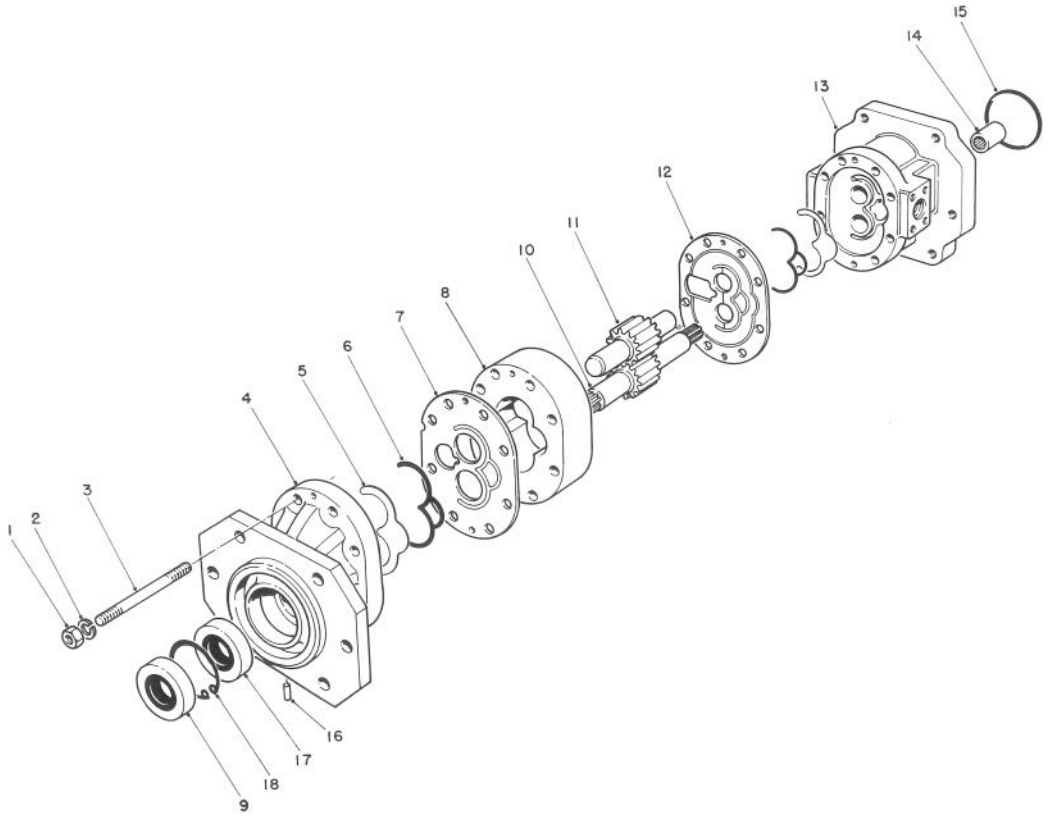
PISTON PUMP ASSEMBLY 58-5660

Ref. No.	Part No.	Description	No. Used
1	60-6230	Capscrew	2
2	60-6200	Charge Pump Adapter 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	Needle Bearing	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	Housing Gasket	1
11	60-6370	Dowel Pin	2
12	60-6030	Rotating Kit Assembly	1
13	60-6310	Key	1
14	60-6020	Camplate	1
15	60-6120	Seal Cover	1
16	42-2720	Shaft Seal	1
17	60-6250	Washer	2
18	60-6110	Needle Bearing	2
19	60-6000	Housing Assembly (Incl. Ref. #6)	1
20	60-5990	Inner Race	1
21	60-6190	O-Ring	1
22	60-6210	O-Ring Cover	1
23	60-6010	Trunnion Cover	1
24	60-6330	Screw	4
25	60-6260	Retaining Ring	1

Ref. No.	Part No.	Description	No. Used
26	60-6300	Shaft Seal	1
27	60-6240	Washer	1
28	60-6270	Retaining Ring	2
29	60-6160	Thrust Race	2
30	60-6170	Needle Thrust Bearing	1
31	60-6140	Drive Shaft	1
32	68-6460	Relief Valve Kit (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	Capscrew	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
45	237-114	O-Ring	2
46	60-5950	Washer — Back-up	2
47	60-6150	Bearing	1
48	60-6050	Bearing	1
*	60-6400	Seal Kit (Incl. Ref. #5, 10, 16, 21, 26, 28, 29, 33, 38, 45 & 46)	1
*	60-6360	Charge Relief Valve Spring Kit	1
*	60-6340	Bleed-off Valve Assy. Kit	1

* Not Illustrated

‡ Note: Used on Units with Serial No. 70591 & Up

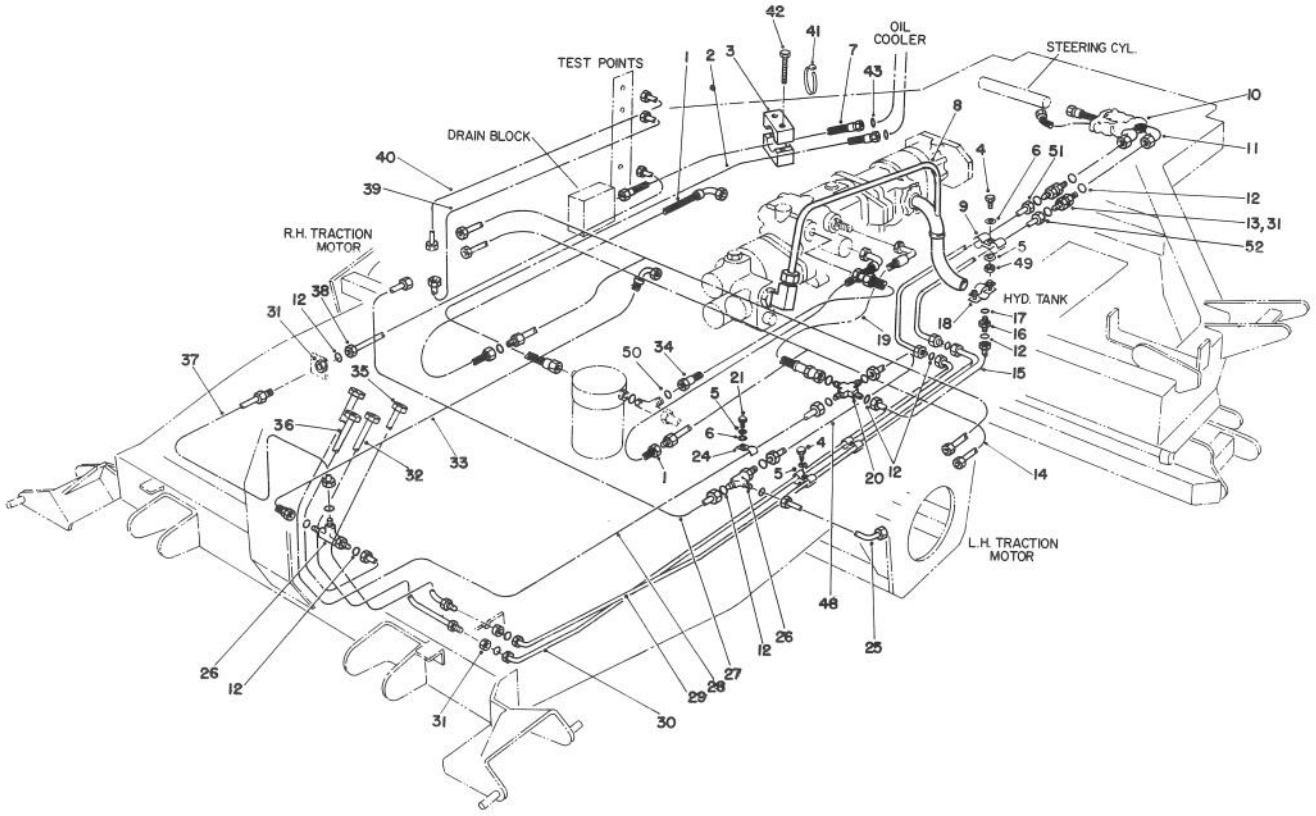


T-0165-90

PUMP ASSEMBLY NO. 58-5510 MODEL 03700 & 58-5511 MODEL 03701

Ref. No.	Part No.	Description	No. Used
1	59-7580	Nut	8
2	59-7590	Lockwasher	8
3	59-7970	Stud (Model 03700)	8
3	74-3210	Stud (Model 03701)	8
4	59-7980	Front Cover	1
5	59-7990	Seal Gland	2
6	59-8470	Seal Retainer	2
7	59-8480	Front Wear Plate	1
8	59-8490	Center S/A Section (Model 03700)	1
8	74-3220	Center S/A Section (Model 03701)	1
9	59-8590	Shaft Seal	1
10	59-8500	Drive Gear — Spline (Model 03700)	1
10	74-3230	Drive Gear — Spline (Model 03701)	1
11	59-8600	Driven Gear (Model 03700)	1
11	74-3240	Driven Gear (Model 03701)	1
12	59-8520	Rear Wear Plate	1
13	59-8530	Port Section	1
14	59-8540	Coupling	1
15	59-8550	O-Ring	1
16	59-8560	Plug	1
17	59-8570	Shaft Seal	1
18	59-8580	Retaining Ring	1
*	59-8610	Seal Kit (Incl. Ref. #5, 6, 9 & 17)	1

* Not Illustrated

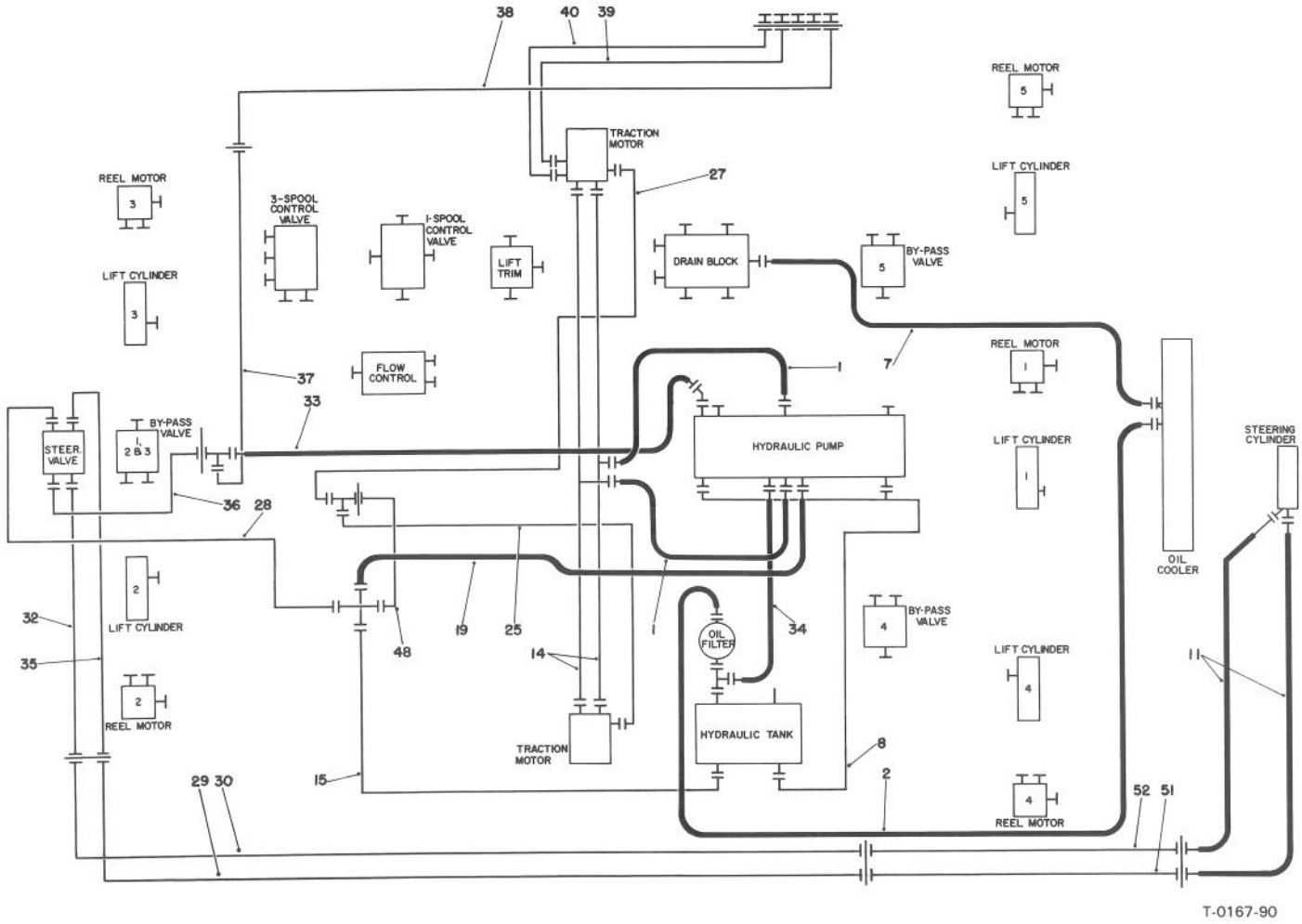


T-0166-90

HYDRAULIC CIRCUIT — TRACTION & STEERING

Ref. No.	Part No.	Description	No. Used
1	58-5860	Hose Assembly	2
2	75-8200	Hose Assembly	1
3	60-2650	Clamp Assembly — Hose	1
4	48-7640	Capscrew	4
5	43-5930	Lockwasher	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	58-5850	Hose Assembly	2
12	237-22	O-Ring	22
13	340-71	Fitting	2
14	58-5690	Tube Assembly	2
15	58-4720	Tube Assembly	1
16	340-3	Fitting	1
17	237-79	O-Ring	1
18	58-6690	Clamp	1
19	60-1250	Hose Assembly	1
20	340-23	Fitting	1
21	48-7690	Capscrew	1
24	60-1360	Clamp	1
25	58-4790	Tube Assembly	1
26	340-68	Fitting — Tee	2

Ref. No.	Part No.	Description	No. Used
27	58-4860	Tube Assembly	1
28	74-2820	Tube Assembly	1
29	68-6320	Tube Assembly	1
30	68-6350	Tube Assembly	1
31	340-70	Locknut — 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	1
38	58-7750	Tube Assembly	1
39	58-7770	Tube Assembly	1
40	58-7760	Tube Assembly	1
41	48-4480	Tie Strap	3
42	48-7610	Screw	2
43	340-65	O-Ring	2
46	340-110	Adapter — 90°	1
47	340-115	Adapter — Tee	1
48	58-4710	Tube Assembly	1
49	48-7890	Nut — Hex	1
50	237-30	O-Ring	1
51	68-6330	Tube Assembly	1
52	68-6360	Tube Assembly	1

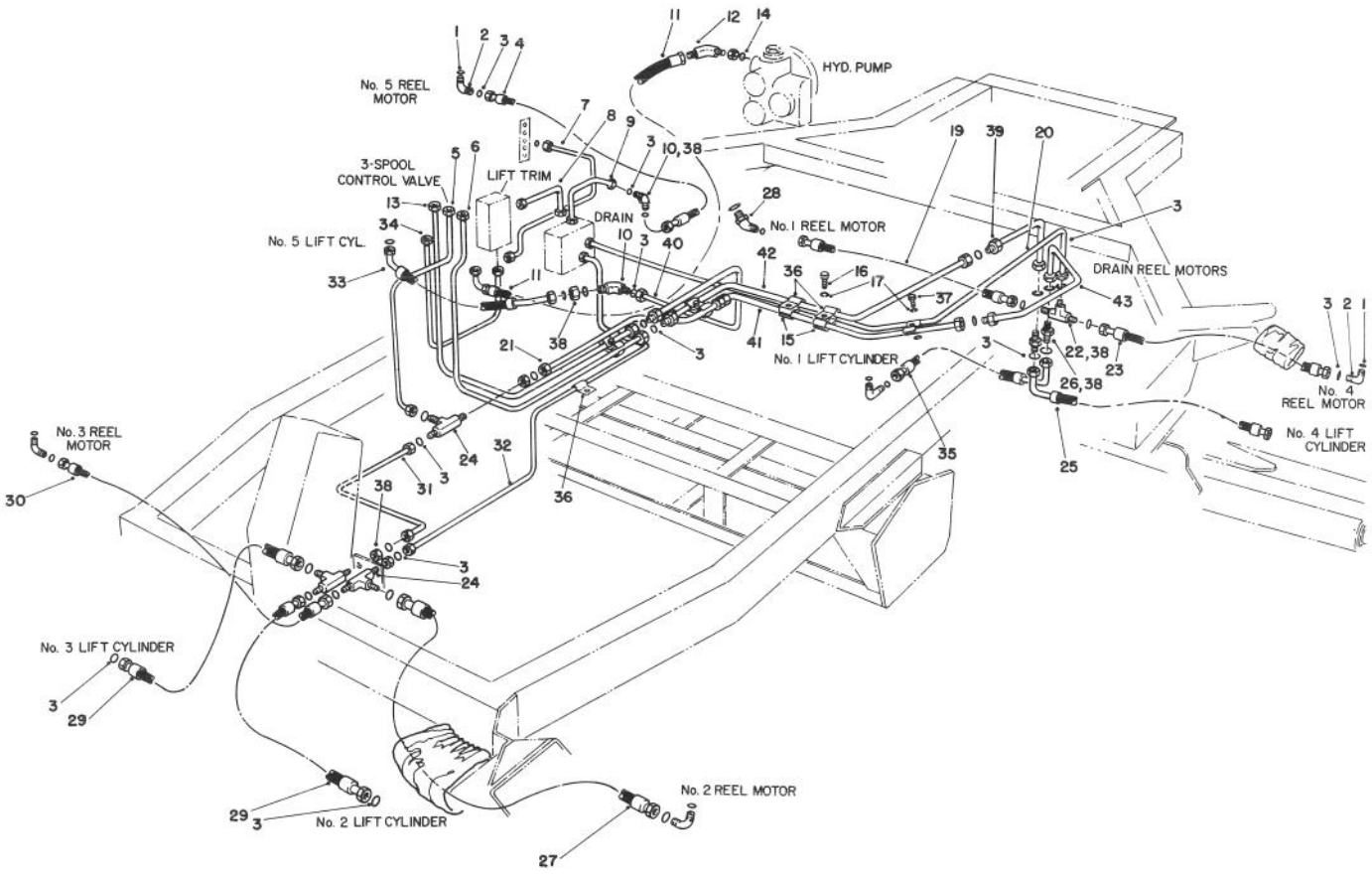


T-0167-90

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	58-5850	Hose Assembly	2
14	58-5690	Tube Assembly	2
15	58-4720	Tube 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	68-6320	Tube Assembly	1
30	68-6350	Tube Assembly	1

Ref. No.	Part No.	Description	No. Used
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	68-6330	Tube Assembly	1
52	68-6360	Tube Assembly	1

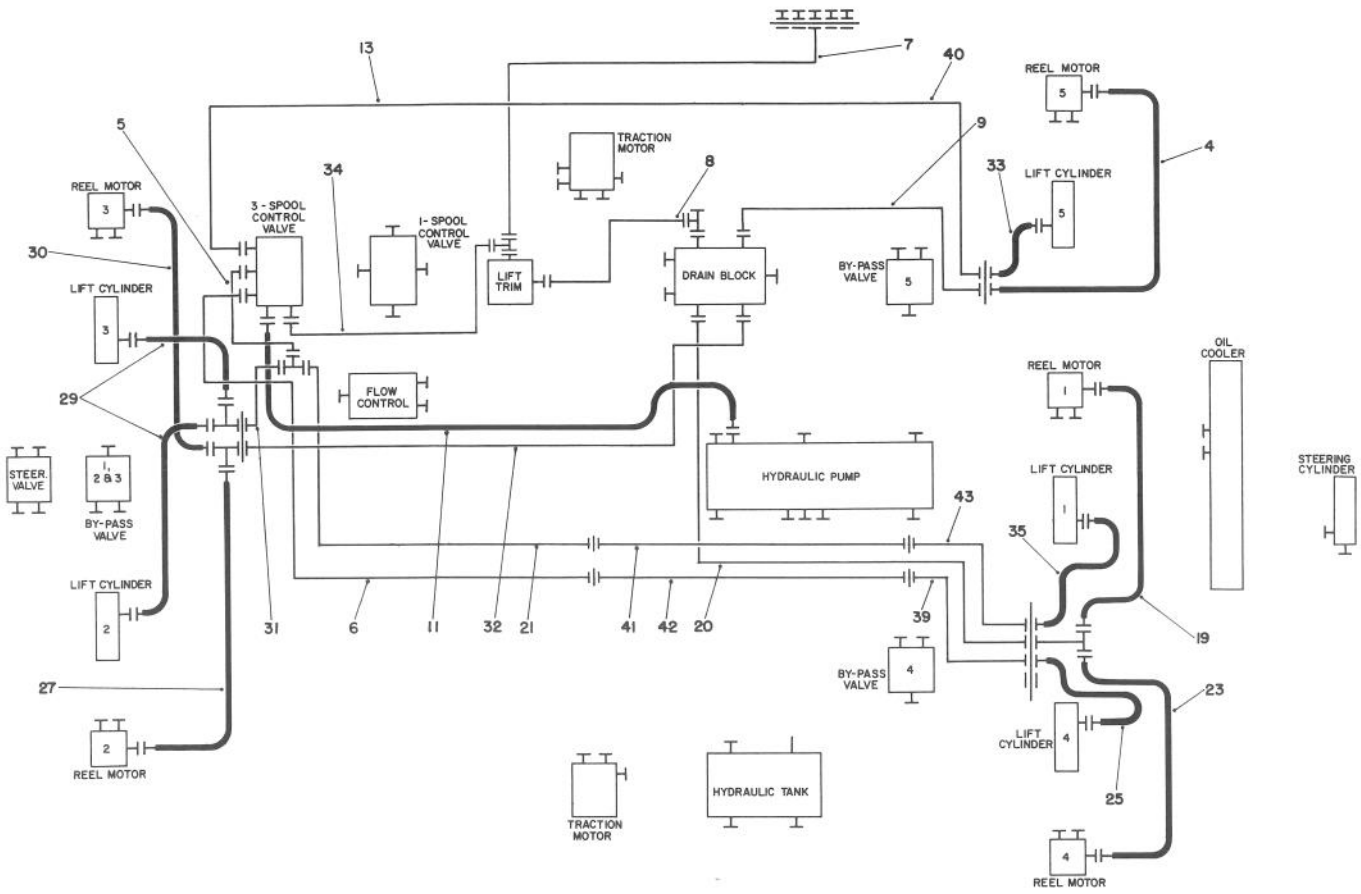


T-0168-90

HYDRAULIC CIRCUIT — LIFT ARMS

Ref. No.	Part No.	Description	No. Used
1	237-42	O-Ring	7
2	340-77	Fitting — Adapter 90°	4
3	237-22	O-Ring	31
4	58-6660	Hose Assembly	1
5	58-4750	Tube Assembly	1
6	58-4770	Tube Assembly	1
7	58-7730	Tube Assembly	1
8	63-4680	Tube Assembly	1
9	58-4780	Tube Assembly	1
10	340-69	Fitting — Adapter 45°	2
11	58-5710	Hose Assembly	1
12	340-89	Fitting — Adapter 45°	1
13	58-5080	Tube Assembly	1
14	237-80	O-Ring	1
15	58-3880	Clamp — Tube	5
16	60-6650	Capscrew	2
17	43-5930	Lockwasher	6
18	48-8010	Washer	2
19	58-5840	Hose Assembly	1
20	58-4850	Tube Assembly	1
21	58-4820	Tube Assembly	1
22	60-2180	Fitting — Tee	1

Ref. No.	Part No.	Description	No. Used
23	58-5820	Hose Assembly	1
24	340-68	Fitting — Tee	3
25	60-1630	Hose Assembly	1
26	340-71	Fitting — Adapter	2
27	58-6670	Hose Assembly	1
28	340-87	45° Adapter	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	58-5810	Hose Assembly	1
34	58-4870	Tube Assembly	1
35	58-5800	Hose Assembly	1
36	60-1360	Clamp — Tube	3
37	48-7640	Capscrew	5
38	340-70	Locknut — Bulkhead	8
39	68-6260	Tube Assembly	1
40	68-6380	Tube Assembly	1
41	68-6240	Tube Assembly	1
42	68-6250	Tube Assembly	1
43	68-6300	Tube Assembly	1

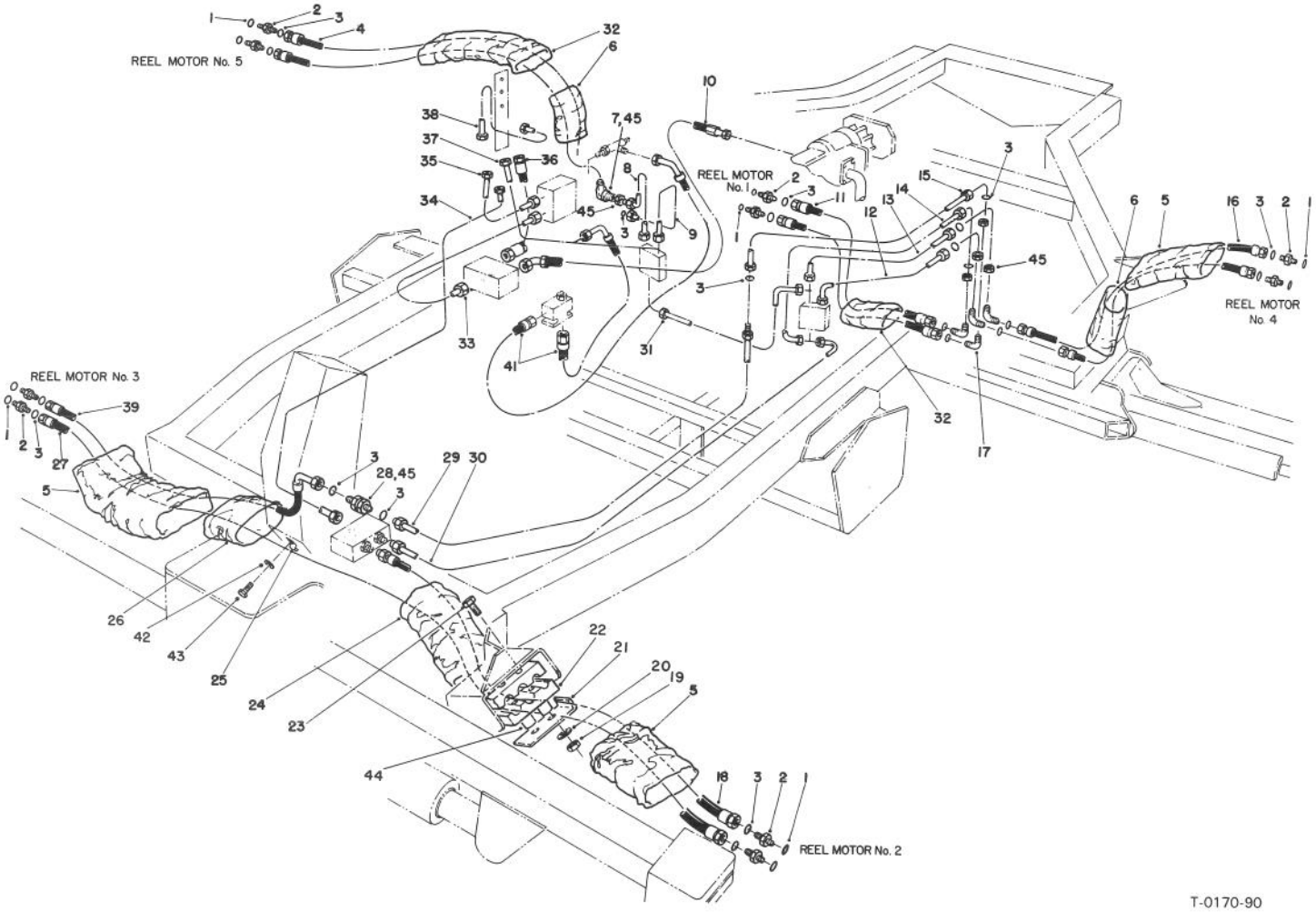


T-0169-90

HYDRAULIC CIRCUIT – SCHEMATIC, LIFT ARMS

Ref. No.	Part No.	Description	No. Used
4	58-6660	Hose Assembly	1
5	58-4750	Tube Assembly	1
6	58-4770	Tube Assembly	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	58-5080	Tube Assembly	1
19	58-5840	Hose Assembly	1
20	58-4850	Tube Assembly	1
21	58-4820	Tube Assembly	1
23	58-5820	Hose Assembly	1
25	60-1630	Hose Assembly	1

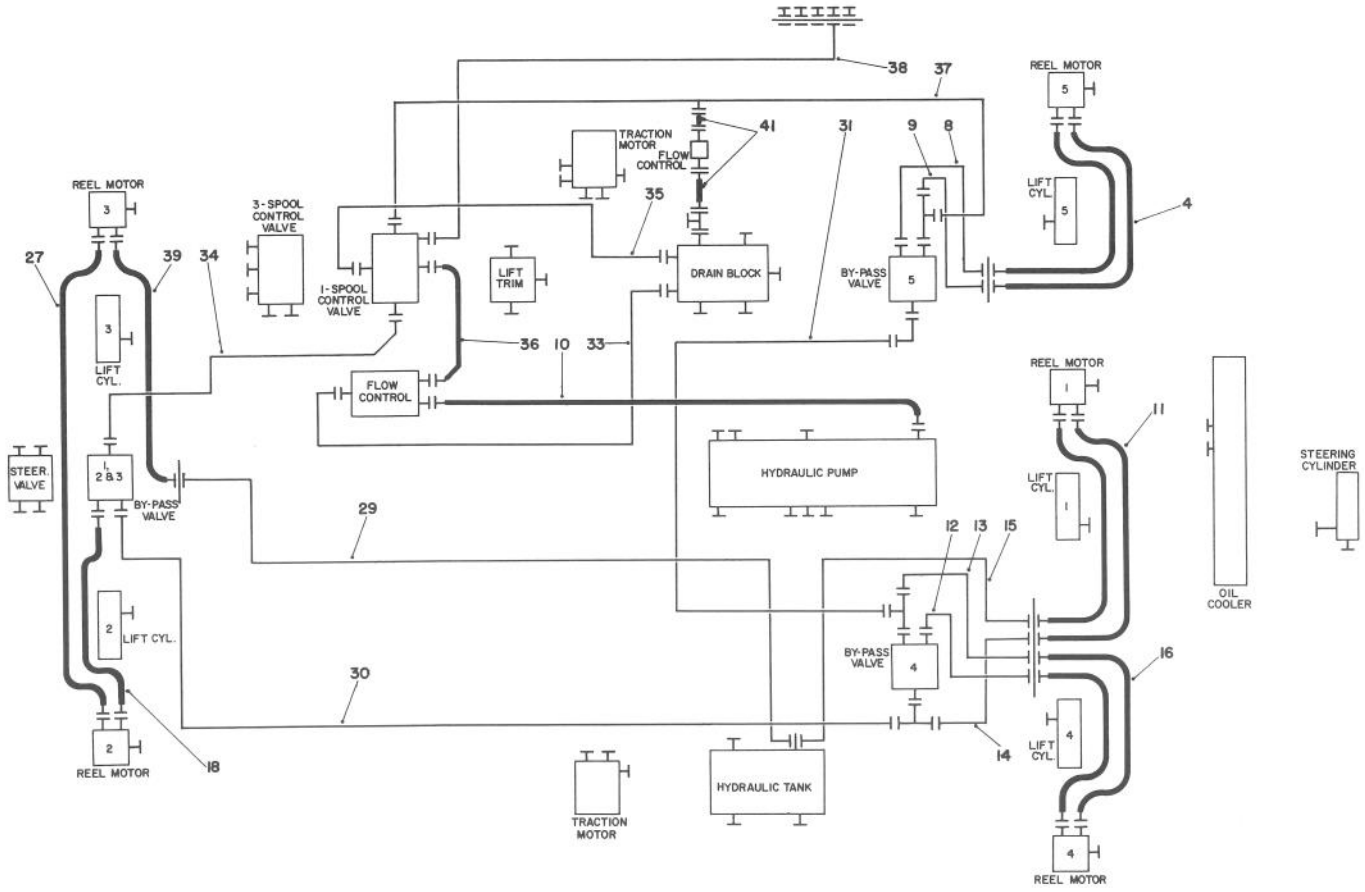
Ref. No.	Part No.	Description	No. Used
27	58-6670	Hose Assembly	1
29	58-5850	Hose Assembly	2
30	58-5830	Hose Assembly	1
31	58-4760	Tube Assembly	1
32	58-4880	Tube Assembly	1
33	58-5810	Hose Assembly	1
34	58-4870	Tube Assembly	1
35	58-5800	Hose Assembly	1
39	68-6260	Tube Assembly	1
40	68-6380	Tube Assembly	1
41	68-6240	Tube Assembly	1
42	68-6250	Tube Assembly	1
43	68-6300	Tube Assembly	1



HYDRAULIC — CUTTING CIRCUIT

Ref. No.	Part No.	Description	No. Used
1	237-81	O-Ring	10
2	340-8	Fitting — Adapter	10
3	237-65	O-Ring	26
4	58-5770	Hose Assembly	2
5	59-7190	Sleeve — Protective	4
6	59-7260	Sleeve — Protective	2
7	340-73	Fitting — Adapter 45°	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	2
17	340-72	Fitting — Adapter 90°	4
18	58-5750	Hose Assembly	1
19	3296-8	Locknut — Hex	4
20	3256-16	Washer — Flat	4
21	74-2750	Retainer	2
22	74-2710	Clamp — Split	4
23	321-14	Capscrew	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	1
29	58-4990	Tube Assembly	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
40	340-87	45° Adapter	1
41	60-1250	Hose Assembly	2
42	48-9570	Lockwasher	1
43	48-7680	Bolt — H.H.	1
44	74-2730	Tube	4
45	340-74	Locknut — Bulkhead	7

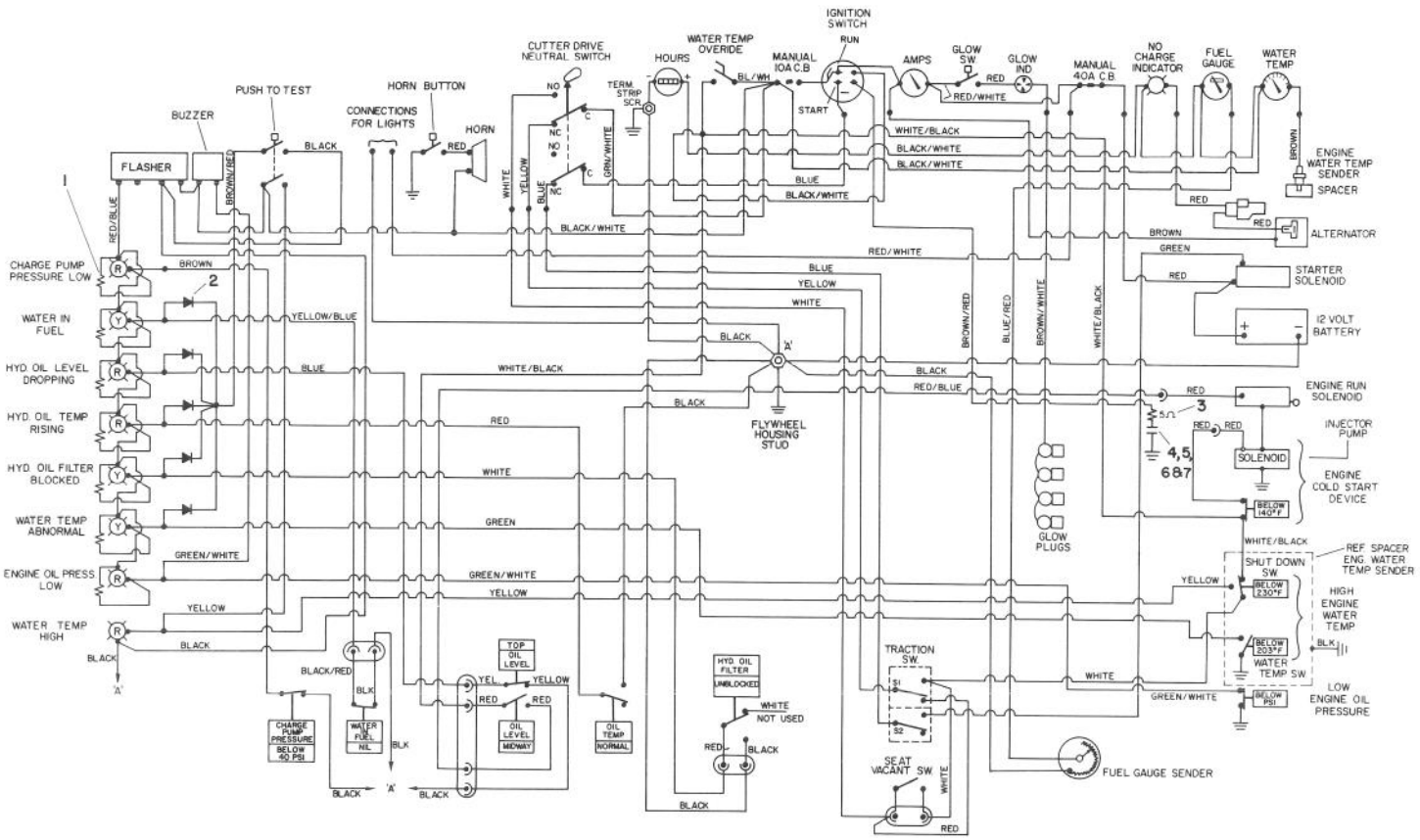


T-0171-90

HYDRAULIC SCHEMATIC — CUTTING CIRCUIT

Ref. No.	Part No.	Description	No. Used
4	58-5770	Hose Assembly	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	2
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

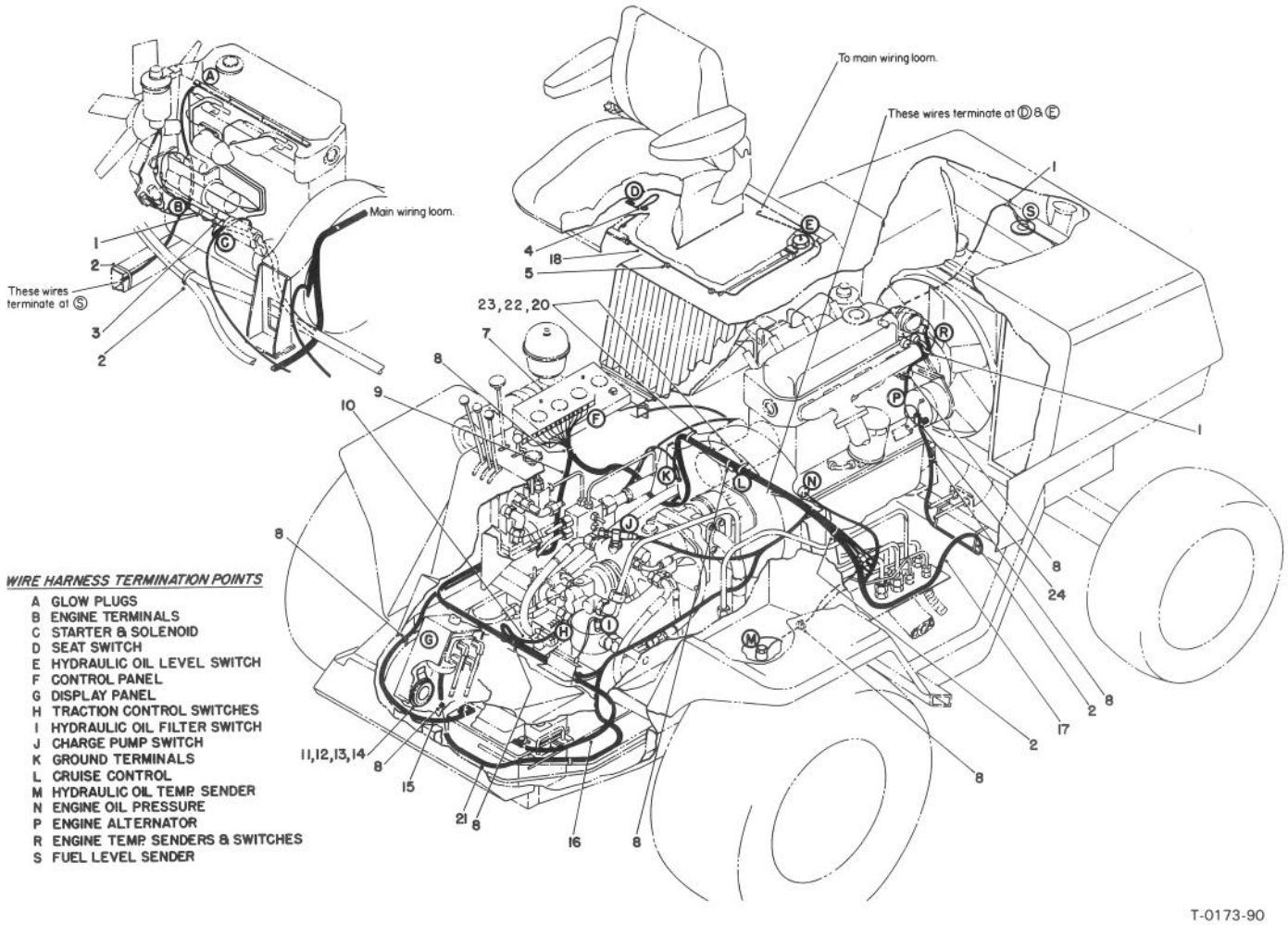


T-0172-90

ELECTRICAL DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	60-1720	Resistor	7
2	48-4470	Diode	5
3	38-2860	Resistor	1
4	37-2690	Capacitor	1

Ref. No.	Part No.	Description	No. Used
5	2412-74	Clamp	1
6	60-2660	Wire — Resistor to Capacitor	1
7	60-2670	Wire — Capacitor to Ground	1

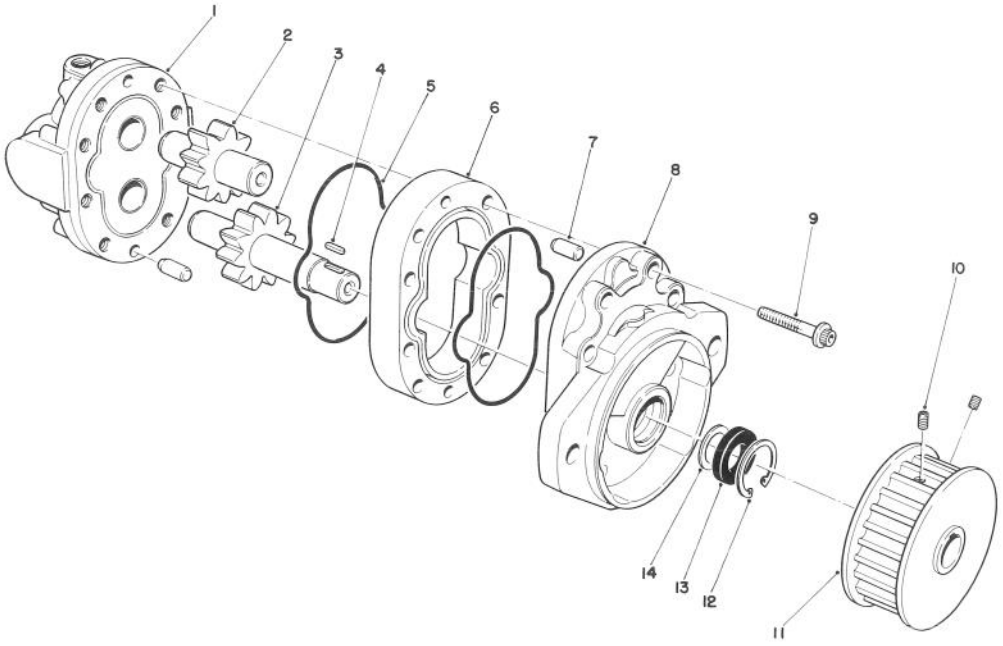


T-0173-90

ELECTRICAL SYSTEM DIAGRAM

Ref. No.	Part No.	Description	No. Used
1	3290-381	Tie — Cable	7
2	250-1	Tie — Cable	4
3	2412-109	Clip	1
4	237-100	Grommet	1
5	60-0930	Clip	3
7	60-1310	Wiring Harness — Control Panel	1
8	3290-378	Tie — Cable	12
9	66-5450	Wiring Harness	1
10	60-1840	Wiring Harness — Traction Control Switches	1
11	48-4590	Horn — Disc	1

Ref. No.	Part No.	Description	No. Used
12	48-7730	Screw — Hex Hd.	1
13	48-9570	Lockwasher	1
14	48-7930	Nut	1
15	58-3850	Cable — Negative, Battery	1
16	58-3840	Cable — Positive, Battery	1
17	60-1330	Wiring Harness — Main	1
18	59-8640	Jumper Wire Assy. — Seat	1
20	63-4790	Clip	2
21	60-1300	Wiring Harness Display Panel	1
22	48-8000	Lockwasher	2
23	48-7880	Nut — Hex	2
24	58-6970	Diode	1



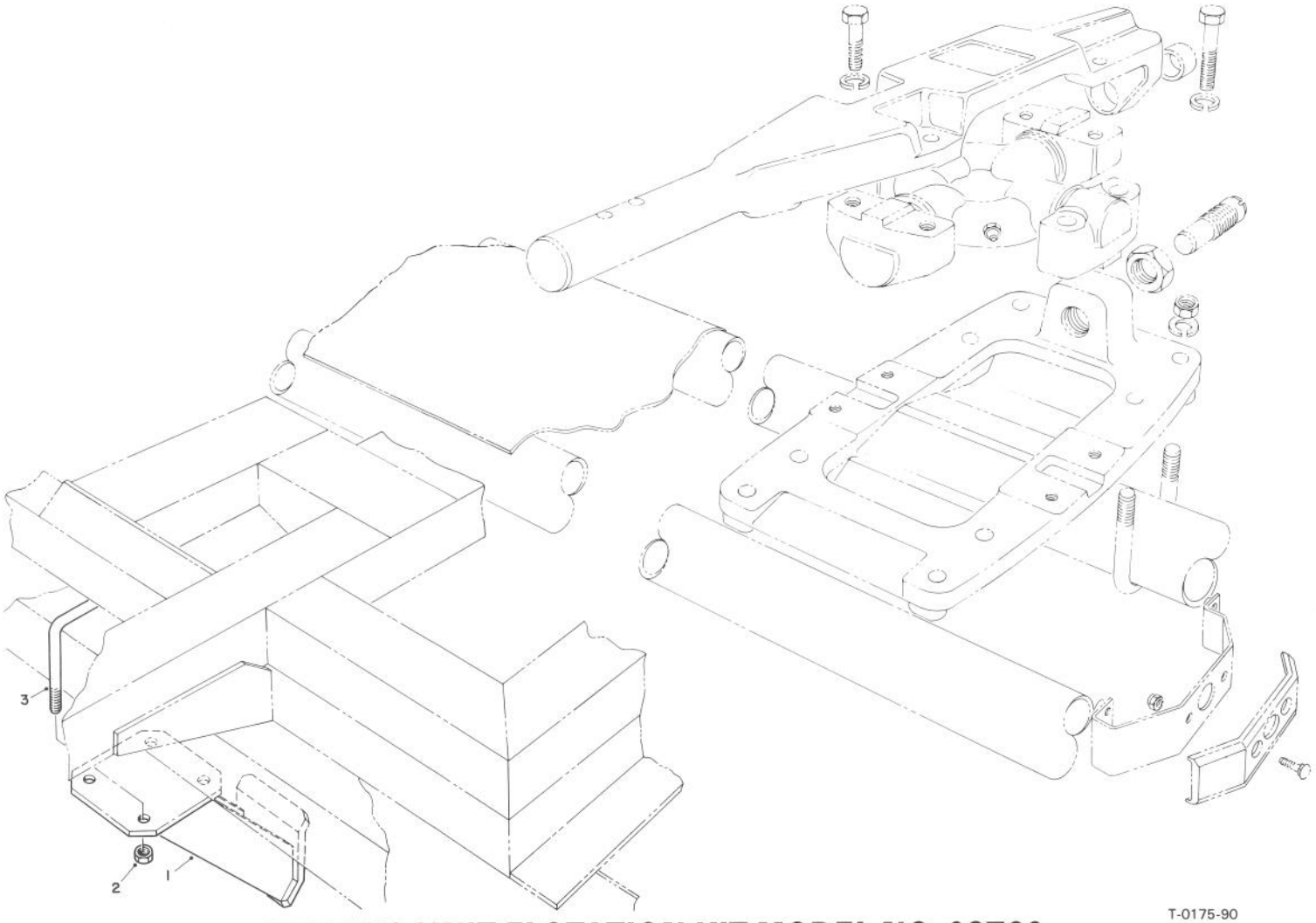
T-0174-90

REEL MOTOR ASSEMBLY NO. 66-5700

Ref. No.	Part No.	Description	No. Used
1	66-5720	Housing Assembly w/Bushings	1
2	66-5750	Idler Gear	1
3	66-5760	Drive Gear	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 Assembly — Front w/Bushings	1

Ref. No.	Part No.	Description	No. Used
9	66-5770	Screw — Cap, Soc. Hd.	8
10	3246-17	Screw — Set	2
11	47-7150	Pulley — Drive	1
12	59-8320	Ring — Snap	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
*		Seal Repair Kit (Incl. Ref. #5, 12-14)	1

* Not Illustrated



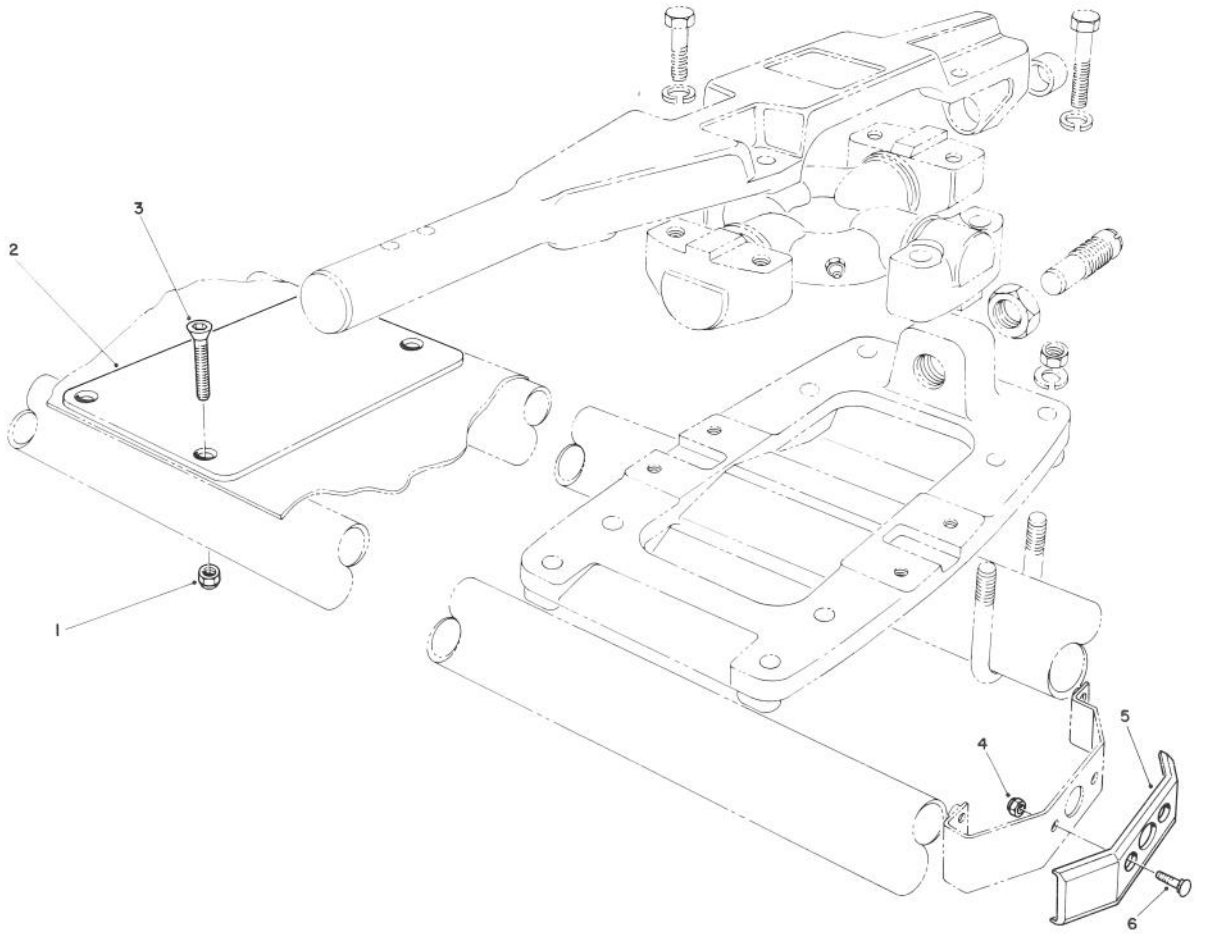
T-0175-90

CUTTING UNIT FLOTATION KIT MODEL NO. 03760
(CUTTING UNIT NO. 1)

Ref. No.	Part No.	Description	No. Used
1	66-5490	Bumper — Roller	2
2	3296-47	Locknut	8
3	66-5560	U-Bolt	4

Ref. No.	Part No.	Description	No. Used
*	3296-45	Locknut	2
*	62-6060	Casting — Weight	1
*	3233-25	Carriage Bolt	2

* Not Illustrated



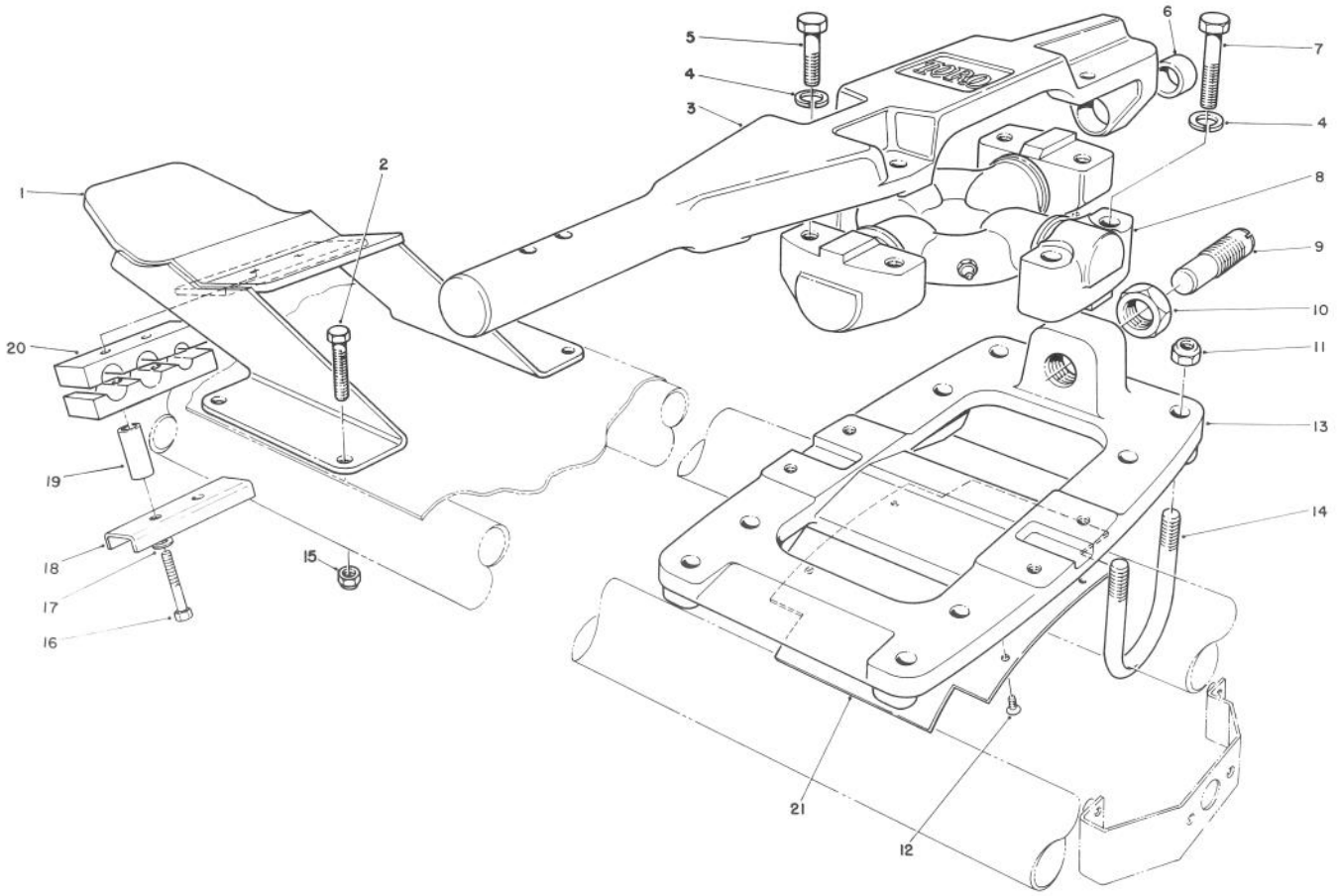
T-0176-90

CUTTING UNIT FLOTATION KIT MODEL NO. 03760 (Continued)

(CUTTING UNITS NO. 2 & 3)

Ref. No.	Part No.	Description	No. Used
1	3296-8	Locknut	8
2	66-5630	Plate — Tipper	2
3	3289-20	Screw	8

Ref. No.	Part No.	Description	No. Used
4	3296-45	Locknut	4
5	62-6060	Casting — Weight	2
6	3233-25	Carriage Bolt	4



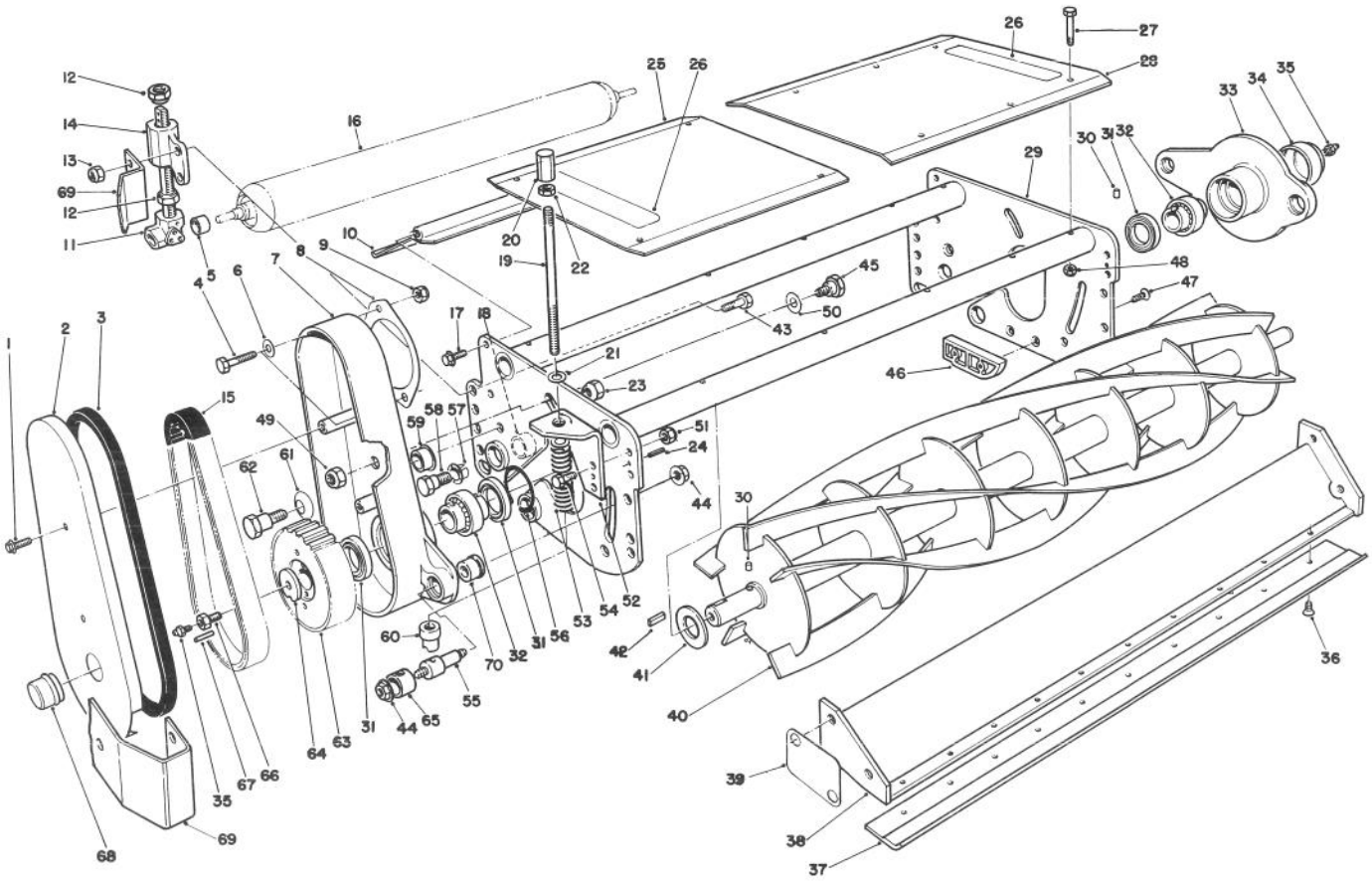
T-0177-90

CUTTING UNIT FLOTATION KIT MODEL NO. 03760 (Continued)

(CUTTING UNITS NO. 4 & 5)

Ref. No.	Part No.	Description	No. Used
1	59-7550	Bracket — Tipper	2
2	321-11	Hex Hd. Capscrew	8
3	59-5880	Arm — Pivot	5
4	3253-21	Lockwasher	40
5	3211-4	Hex Hd. Capscrew	20
6	256-311	Bushing — Steel Back	5
7	3211-8	Hex Hd. Capscrew	20
8	59-5910	Cross & Bearing	5
9	59-5940	Pin — Lockout	1
10	3218-7	Jam Nut	1
11	3296-47	Nut	40

Ref. No.	Part No.	Description	No. Used
12	32122-24	Screw	20
13	75-7660	Base — Pivot	5
14	75-7770	U-Bolt	20
15	3296-8	Locknut	8
16	321-15	Hex Hd. Capscrew	4
17	3253-3	Lockwasher	4
18	74-2710	Clamp — Hose	4
19	74-2740	Plate	2
20	74-2730	Tube	4
21	75-8100	Cover	5



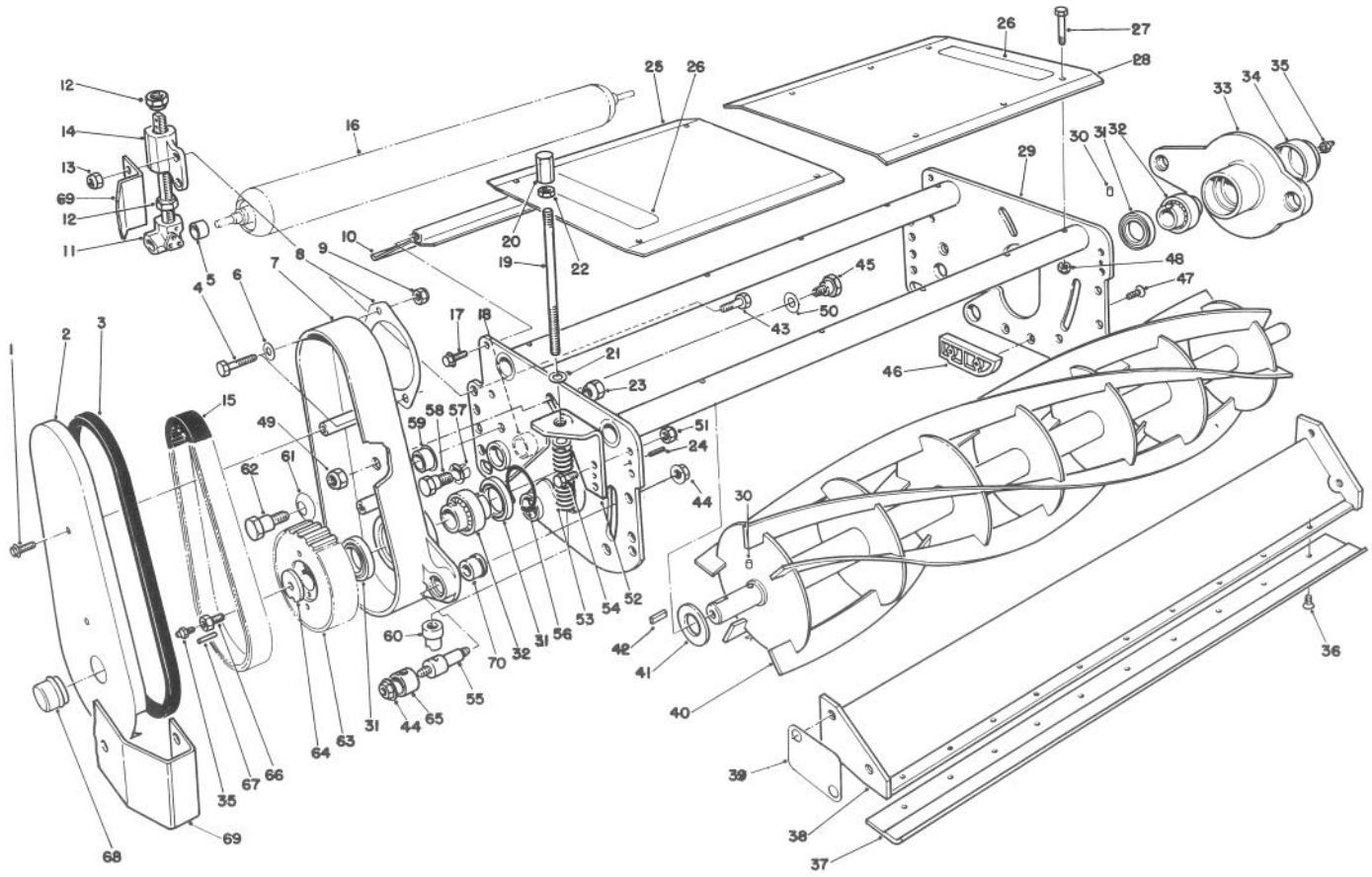
T-0178-90

CUTTING UNIT R.H. & CENTER ASSEMBLY
(5 BLADE MODEL 03753 & 7 BLADE MODEL 03756)

Ref. No.	Part No.	Description	No. Used
1	3234-14	Screw — Flange Hd.	2
2	75-7580	Cover — Drive Housing R.H.	1
3	47-7170	Gasket	1
4	324-6	Bolt	2
5	59-5780	Roller Bushing	2
6	3256-25	Washer	1
7	62-6470	Drive Housing R.H.	1
8	48-9050	Shield Drive Plate	1
9	3296-48	Nut — Lock	2
10	75-7680	Grass Deflector	1
11	59-5700	Collar Assembly	2
12	59-5820	Nut — Cone	4
13	3296-25	Nut — Lock	4
14	59-5770	Roller Adj. Housing	2
15	47-7160	Belt	1
16	59-5630	Rear Roller Assembly	1
17	3234-12	Screw — Flange Hd.	2
18	62-6110	Bushing Assembly	4
19	72-0390	Rod — Bedknife Adj.	2
20	72-0380	Knob Hex	2
21	257-5	Washer — Thrust	4
22	3218-5	Nut — Jam	2

Ref. No.	Part No.	Description	No. Used
23	242-50	Nut — Cone	2
24	32121-2	Pin — Roll	2
25	59-5840	Cover — Outboard	1
26	76-8760	Decal	2
27	321-11	Screw	8
28	59-5830	Cover — Inboard	1
29	12-4679	Frame (Incl. Ref. #18)	1
30	48-8880	Pin — Dowel	2
31	253-145	Seal	3
32	59-6140	Bearing	2
33	59-5550	Bearing Housing	1
34	59-5560	Cap — Dust	1
35	302-5	Grease Zerk	2
36	57-4910	Screw	10
37	59-5890	Bedknife	1
38	59-5470	Bedbar	1
39	76-3580	Spacer	2
40	12-4459	Reel (5-Blade)	1
*	12-4469	Reel (7-Blade)	1
41	38-7330	Grass Shield	2
42	75-7570	Key — Rectangular	1
43	325-7	Bolt	4

* Not Illustrated



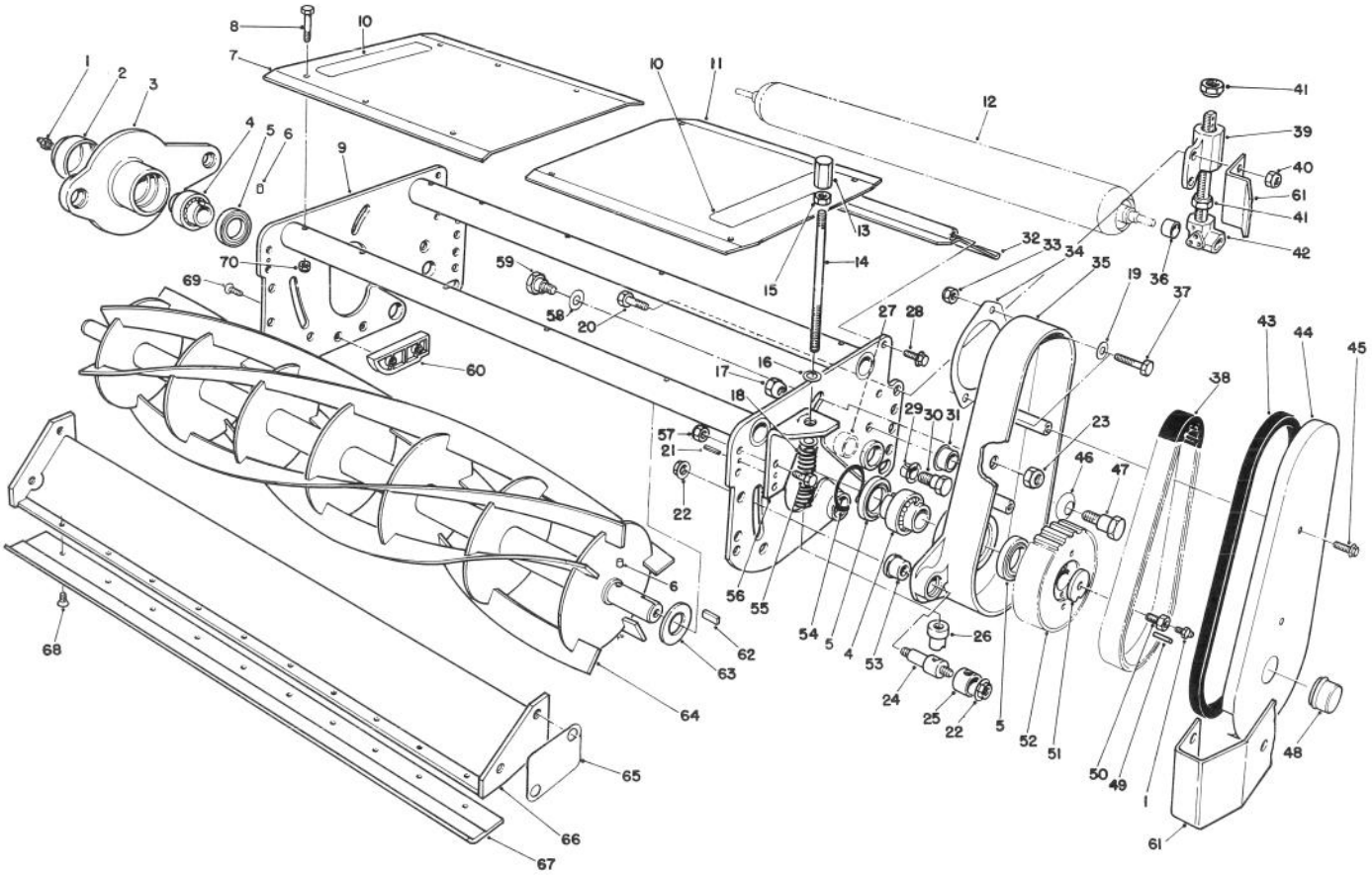
T-0178-90

CUTTING UNIT R.H. & CENTER ASSEMBLY (Continued)
(5 BLADE MODEL 03753 & 7 BLADE MODEL 03756)

Ref. No.	Part No.	Description	No. Used
44	32128-15	Nut — Flange	4
45	62-6080	Bolt — Shoulder	1
46	62-6070	Deflector Block (Not used on 5-Blade Cutting Unit)	2
47	32108-101	Flat Head Screw (Not used on 5-Blade Cutting Unit)	4
48	3246-8	Nut — Lock	8
49	3296-28	Nut — Lock	1
50	3256-59	Washer — Flat	1
51	3296-26	Nut — Lock	4
52	72-0460	Bracket L.H. Bedknife Adj.	1
*	72-0450	Bracket R.H. Bedknife Adj.	1
53	72-0400	Spring	2
54	323-7	Bolt	4
55	72-0440	Pin — Pivot	2
56	32151-71	Retaining Ring	1
57	256-292	Bushing Nyliner	4

Ref. No.	Part No.	Description	No. Used
58	66-5570	Bolt Shoulder	4
59	256-252	Bushing — Flange	2
60	72-0410	Stand Off	2
61	3290-440	Washer — Belleville	2
62	48-9020	Bolt	2
63	47-7140	Pulley — Driven	1
64	59-6150	Washer — Pulley	1
65	72-0420	Clamp — Tube	2
66	59-6190	Capscrew — Reel	1
67	32121-50	Pin — Roll	1
68	59-7490	Plug — Grease Fitting	1
69	72-0470	Guard	2
*	72-0490	Bedknife Assy. (5 Blade) (Incl. Ref. #36-38)	1
*	59-5460	Bedknife Assy. (7 Blade) (Incl. Ref. #36-38)	1

* Not Illustrated



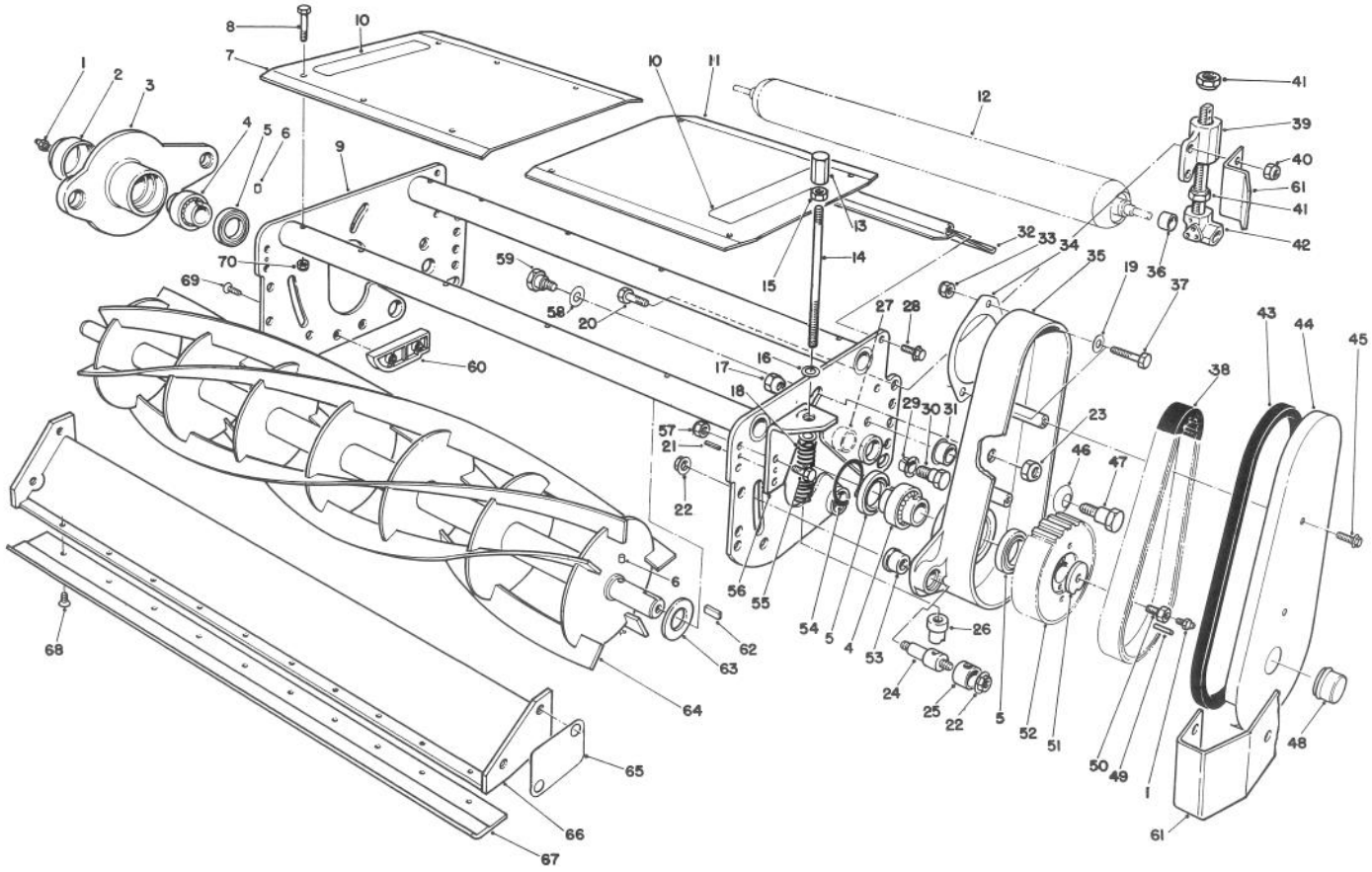
T-0179-90

CUTTING UNIT ASSEMBLY L.H.

(5 BLADE MODEL NO. 03752 & 7 BLADE MODEL NO. 03754)

Ref. No.	Part No.	Description	No. Used
1	302-5	Grease Zerk	2
2	59-5560	Cap — Dust	1
3	59-5550	Bearing Housing	1
4	59-6140	Bearing	2
5	253-145	Seal	3
6	48-8880	Pin — Dowel	2
7	59-5830	Cover — Inboard	1
8	321-11	Screw	8
9		Frame (Incl. Ref. #27)	1
10	76-8760	Decal	2
11	59-5840	Cover — Outboard	1
12	59-5630	Rear Roller Assembly	1
13	72-0380	Knob — Hex	2
14	72-0390	Rod — Bedknife Adj.	2
15	3218-5	Nut — Jam	2
16	257-5	Washer	4
17	242-50	Nut — Cone	2
18	72-0400	Spring	2
19	3256-25	Washer	1
20	325-7	Bolt	4
21	32121-2	Pin — Roll	2
22	32128-15	Nut — Flange	4

Ref. No.	Part No.	Description	No. Used
23	3296-28	Nut — Lock	1
24	72-0440	Pin — Pivot	2
25	72-0420	Clamp — Tube	2
26	72-0410	Stand Off	2
27	62-6110	Bushing Assembly	4
28	3234-12	Screw — Flange Hd.	2
29	256-292	Bushing Nylinder	4
30	66-5570	Bolt — Shoulder	4
31	256-252	Bushing Flange	2
32	75-7680	Grass Deflector	1
33	3296-48	Nut — Lock	2
34	48-9050	Shield — Drive Plate	1
35	62-6480	Drive Housing L.H.	1
36	59-5780	Roller Bushing	2
37	324-6	Bolt	2
38	47-7160	Belt	1
39	59-5770	Roller Adj. Housing	2
40	3296-25	Nut — Lock	4
41	59-5820	Nut — Cone	4
42	59-5700	Collar Assembly	2
43	47-7170	Gasket	1
44	75-7590	Cover — Drive Housing L.H.	1



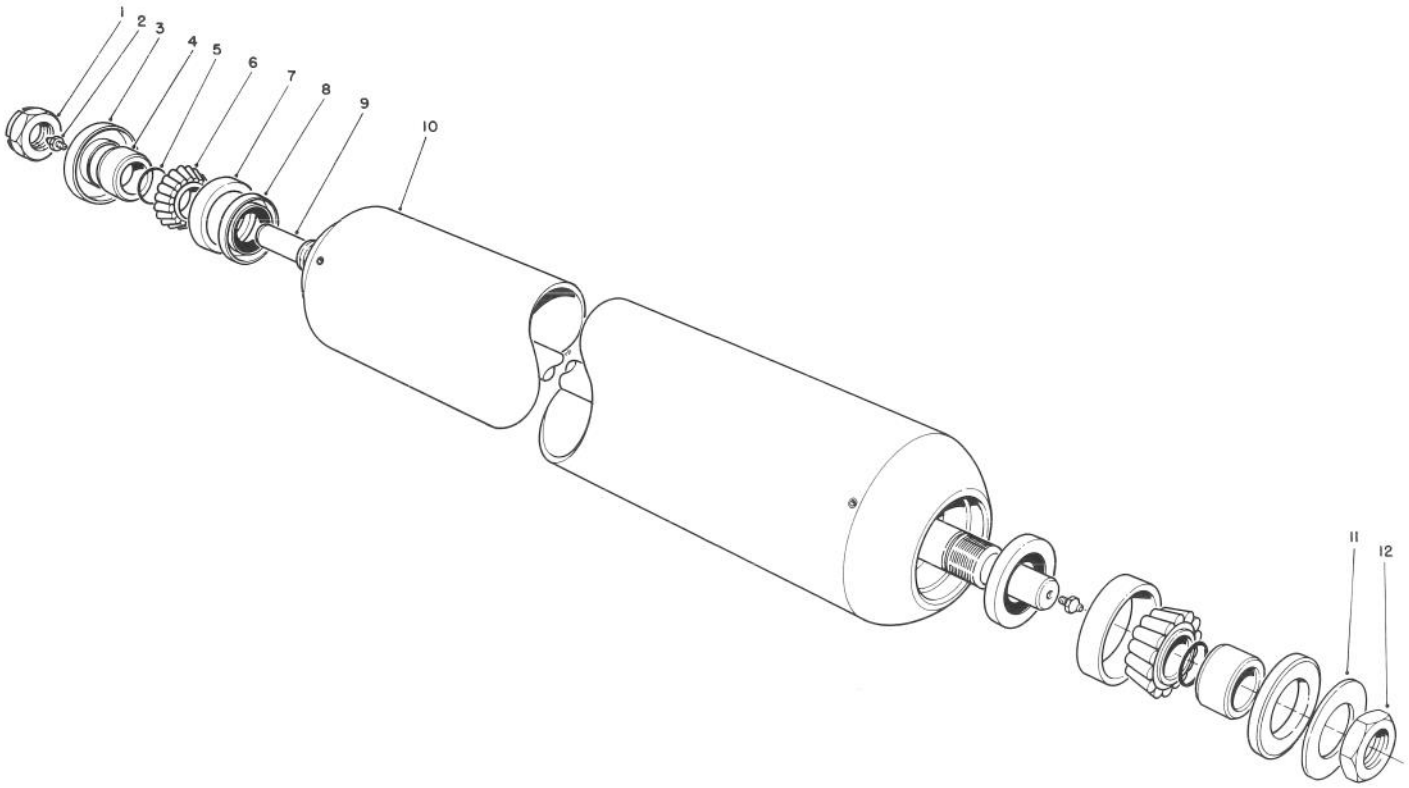
T-0179-90

CUTTING UNIT ASSEMBLY L.H. (Continued
(5 BLADE MODEL NO. 03752 & 7 BLADE MODEL NO. 03754)

Ref. No.	Part No.	Description	No. Used
45	3234-14	Screw — Flange Hd.	2
46	3290-440	Washer — Belleville	2
47	48-9020	Bolt	2
48	59-7490	Plug — Grease Fitting	1
49	32121-50	Pin — Roll	1
50	59-6190	Capscrew — Reel	1
51	59-6150	Washer — Pulley	1
52	47-7140	Pulley — Driven	1
53	72-0430	Flange Bushing	2
54	32151-71	Retaining Ring	1
55	323-7	Bolt	4
56	72-0460	Bracket — L.H. Bedknife Adj.	1
*	72-0450	Bracket — R.H. Bedknife Adj.	1
57	3296-26	Nut — Lock	4
58	3256-39	Washer — Flat	1
59	62-6080	Bolt — Shoulder	1
60	62-6070	Deflector Block (Not used on 5 Blade Cutting Unit)	2

Ref. No.	Part No.	Description	No. Used
61	72-0470	Guard	1
62	75-7570	Key — Rectangular	1
63	38-7330	Grass Shield	2
64	12-4459	Reel (5 Blade)	1
*	12-4469	Reel (7 Blade)	1
65	76-3580	Spacer	2
66	59-5470	Bedbar	1
67	59-5890	Bedknife (7 Blade)	1
*	72-0480	Bedknife (5 Blade)	1
68	57-4910	Screw	10
69	32108-101	Flat Head Screw (Not used on 5 Blade Cutting Unit)	4
70	3296-8	Nut — Lock	8
*	63-4330	Decal - 5 Blade	1
*	72-0490	Bedknife Assy. (5 Blade) (Incl. Ref. #66-68)	1
*	59-5460	Bedknife Assy. (7 Blade) (Incl. Ref. #66-68)	1

* Not Illustrated

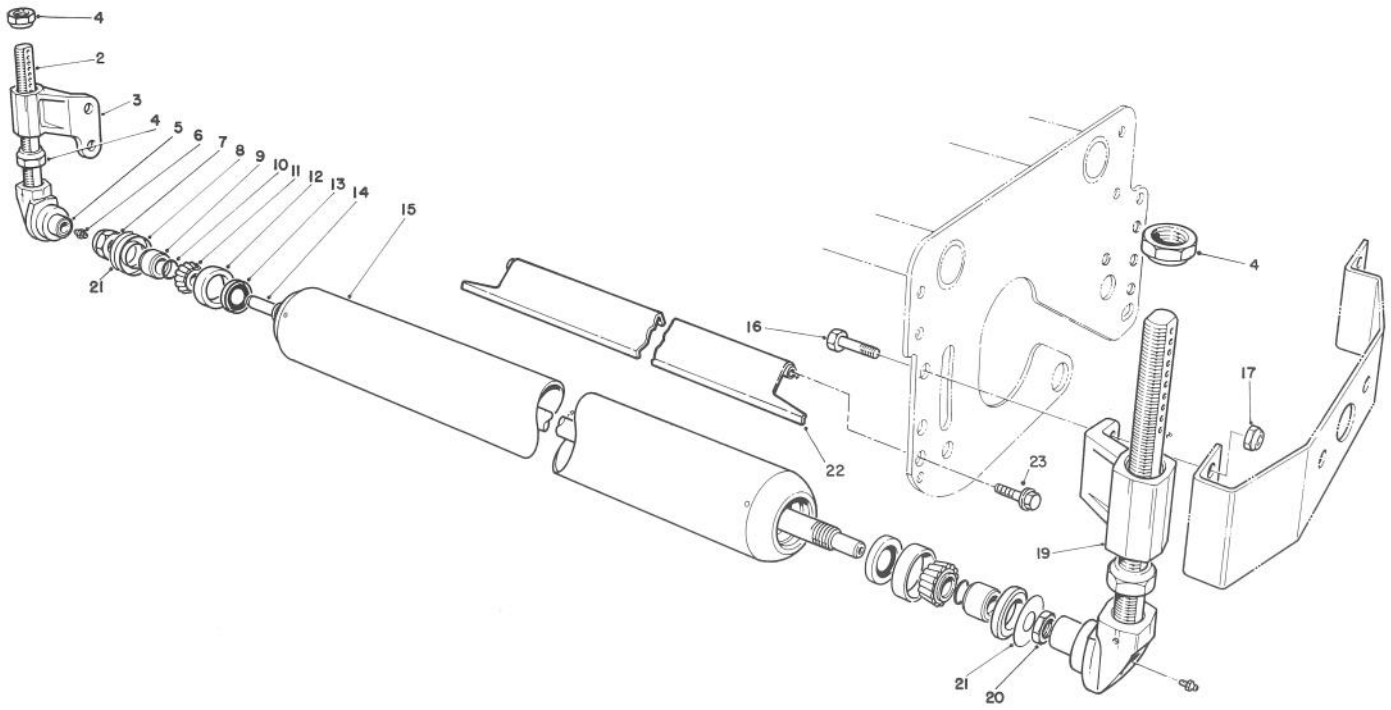


T-0180-90

REAR ROLLER ASSEMBLY NO. 59-5630

Ref. No.	Part No.	Description	No. Used
1	32127-47	Nut — Flex Lock	1
2	302-5	Fitting — Grease	2
3	253-117	Seal — Grease	2
4	59-5690	Sleeve — Wear	2
5	237-54	O-Ring	2
6	254-78	Bearing Cone	2

Ref. No.	Part No.	Description	No. Used
7	254-79	Bearing Cup	2
8	253-122	Seal — Grease	2
9	66-5640	Shaft — Roller	1
10	59-5640	Tube & End Cap Assembly	1
11	66-5620	Washer — Thrust	2
12	3220-7	Nut — Jam	1



T-0181-90

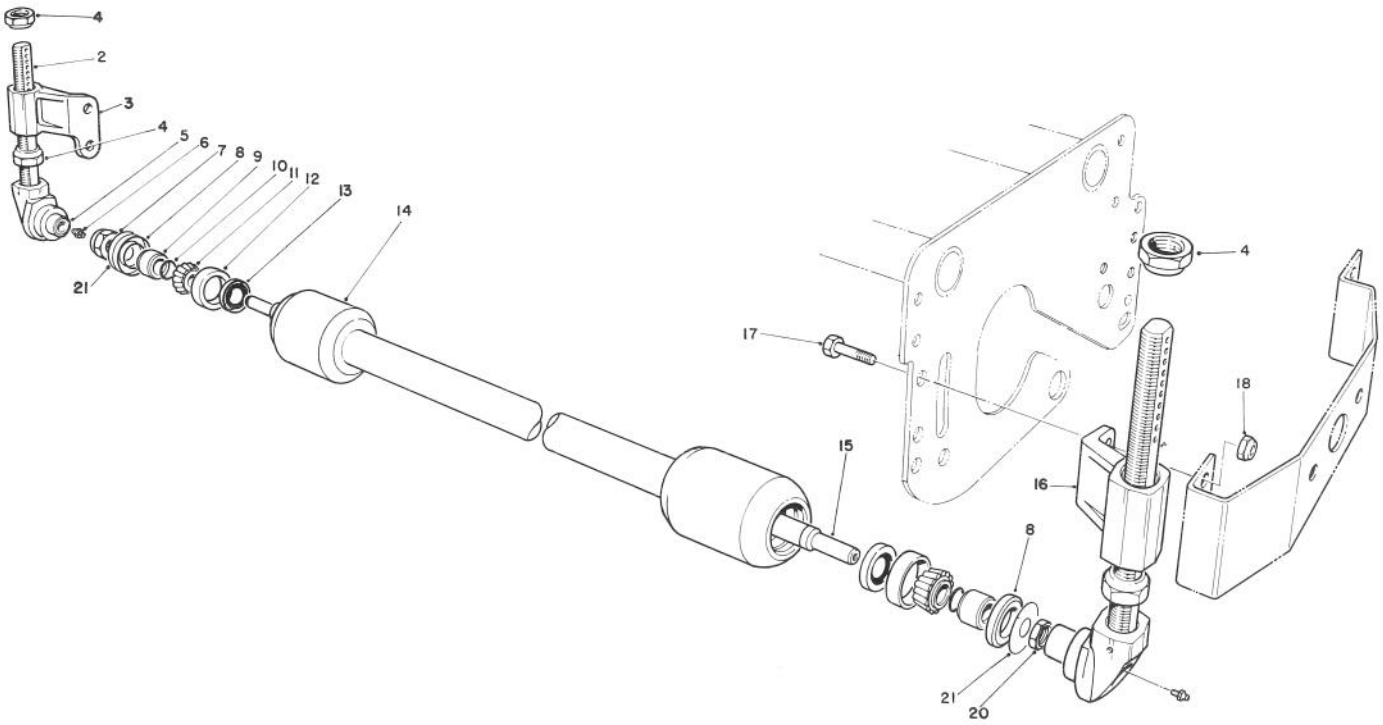
FRONT ROLLER KIT MODEL NO. 03742 (Optional)

Ref. No.	Part No.	Description	No. Used
2	62-6010	Collar Assembly	2
3	62-5980	Roller Adjuster Housing R.H.	1
4	59-5820	Nut — Cone	4
5	59-5780	Bushing Assembly	2
6	302-5	Grease Fitting	2
7	3296-15	Nut — Lock	1
8	253-117	Seal — Grease	2
9	59-5690	Sleeve — Wear	2
10	237-54	O-Ring	2
11	254-78	Bearing — Cone	2
12	254-79	Bearing — Cup	2
13	253-122	Seal — Grease	2
14	66-5650	Shaft — Roller	1
15	62-6190	Roller Tube	1
16	325-7	Capscrew — Hex Hd.	4
17	3296-25	Nut — Lock	4
19	62-5960	Roller Adjuster Housing L.H.	1
20	3220-7	Nut — Jam	1
21	66-5620	Washer — Thrust	2
*	62-6200	Roller (Incl. Ref. #6-15 & 20-21)	1

FRONT ROLLER SCRAPER KIT PART NO. 62-6220 (Optional)

Ref. No.	Part No.	Description	No. Used
22†		Scraper	1
23	3234-11	Screw Flange	2

* Not Illustrated
† Not Serviceable Separately.



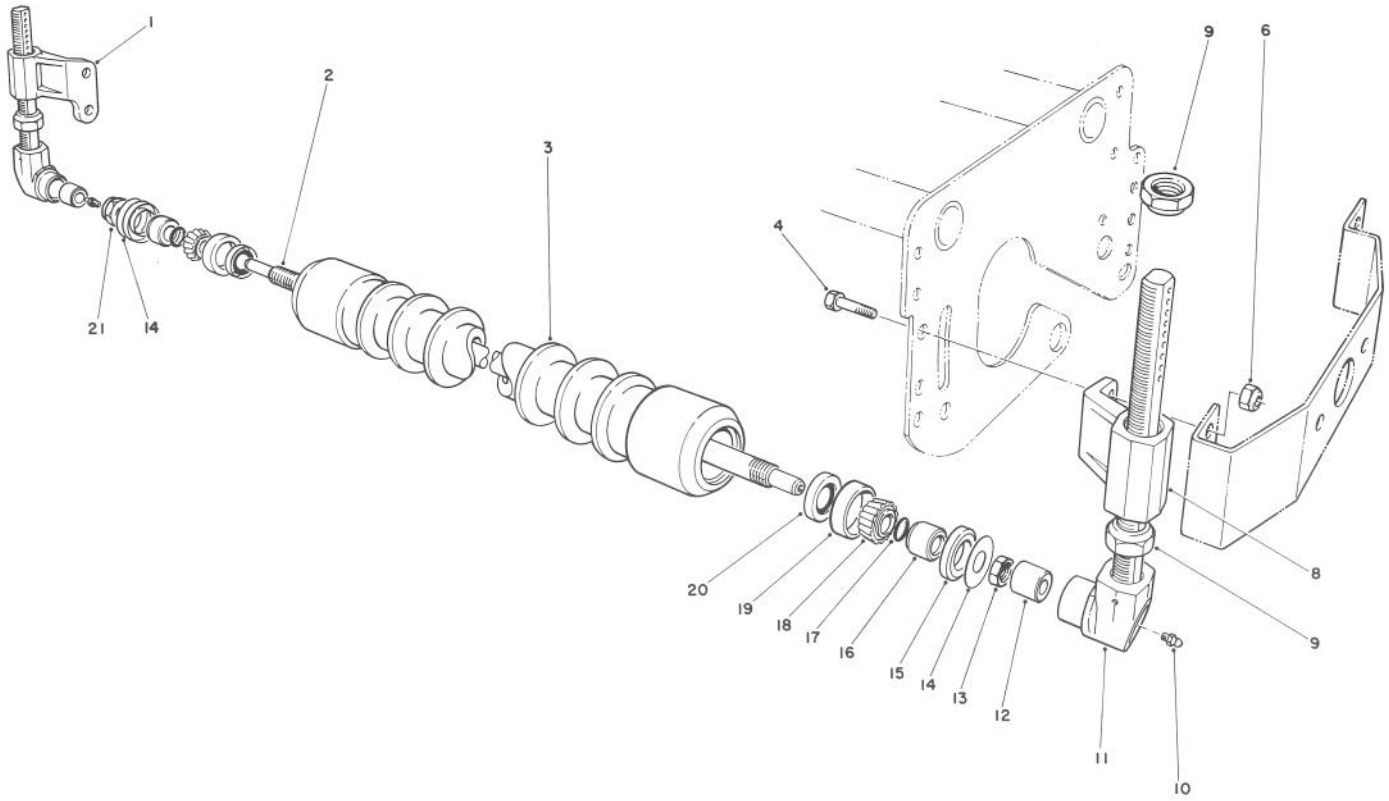
T-0182-90

SECTIONAL ROLLER KIT MODEL NO. 03738 (Optional)

Ref. No.	Part No.	Description	No. Used
2	62-6010	Collar Assembly	2
3	62-5980	Housing Roller Adjuster R.H.	1
4	59-5820	Nut — Cone	4
5	59-5780	Bushing Assembly	2
6	302-5	Fitting — Grease	2
7	3296-15	Nut — Lock	1
8	253-117	Seal — Grease	2
9	59-5690	Sleeve — Wear	2
10	237-54	O-Ring	2
11	254-78	Bearing — Cone	2
12	254-79	Bearing — Cup	2

Ref. No.	Part No.	Description	No. Used
13	253-122	Seal — Grease	2
14	62-6150	Roller — Sectional	1
15	66-5650	Shaft — Roller	1
16	62-5960	Housing Roller Adjuster L.H.	1
17	325-7	Capscrew — Hex Hd.	4
18	3296-25	Nut — Lock	4
20	3220-7	Nut — Jam	1
21	66-5620	Washer — Thrust	2
*	62-6180	Roller Assembly (Incl. Ref. #6-15, 20 & 21)	1

* Not Illustrated



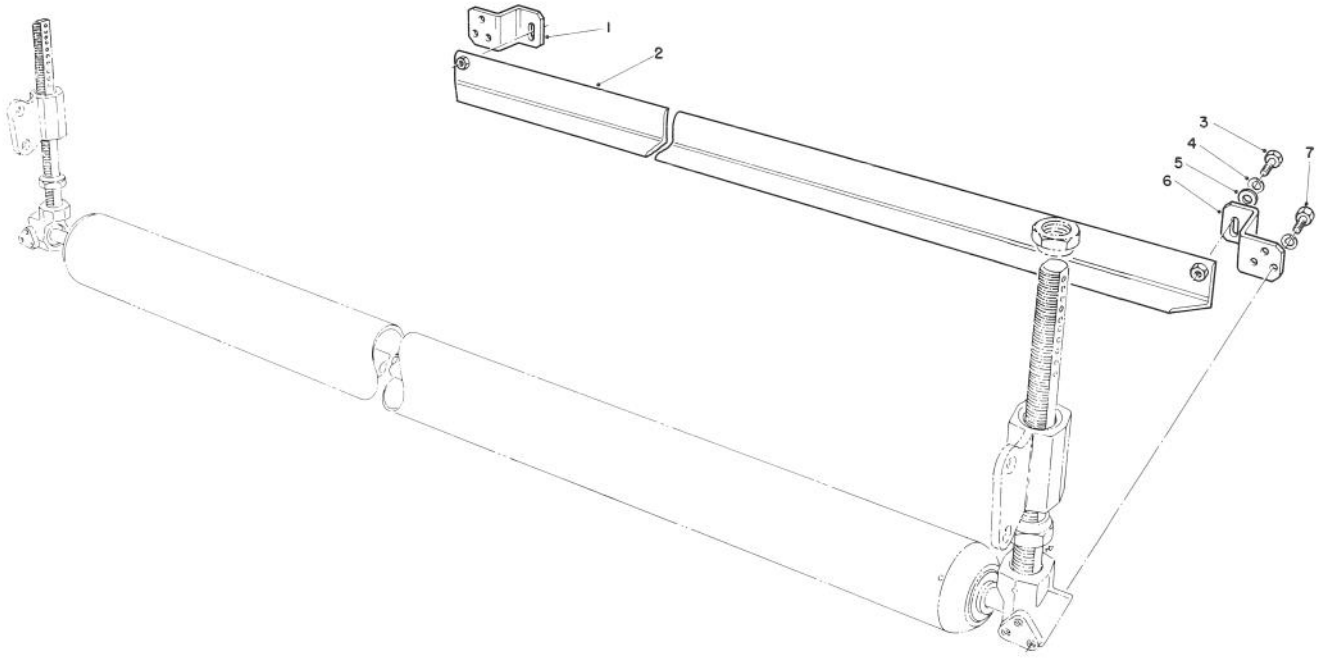
T-0183-90

WIEHLE ROLLER KIT MODEL NO. 03740 (Optional)

Ref. No.	Part No.	Description	No. Used
1	62-5980	Housing — Adjuster R.H.	1
2	66-5650	Shaft — Roller	1
3	62-6030	Roller — Wiehle	1
4	325-7	Screw — Cap Hex Hd.	4
6	3296-25	Nut — Lock	4
8	62-5960	Housing — Adjuster L.H.	1
9	59-5820	Nut — Cone	4
10	302-5	Fitting — Grease	2
11	62-6010	Collar Assembly	2
12	59-5780	Bushing	2
13	3220-7	Nut — Jam	1

Ref. No.	Part No.	Description	No. Used
14	66-5620	Washer — Thrust	2
15	253-117	Seal — Outer	2
16	59-5690	Sleeve — Wear	2
17	237-54	O-Ring	2
18	254-78	Bearing — Cone	2
19	254-79	Bearing — Cup	2
20	253-122	Seal — Inner	2
21	3296-15	Nut — Lock	1
*	62-6130	Wiehle Roller Assembly (Incl. Ref. #2, 3, 10 & 12-21)	1

* Not Illustrated

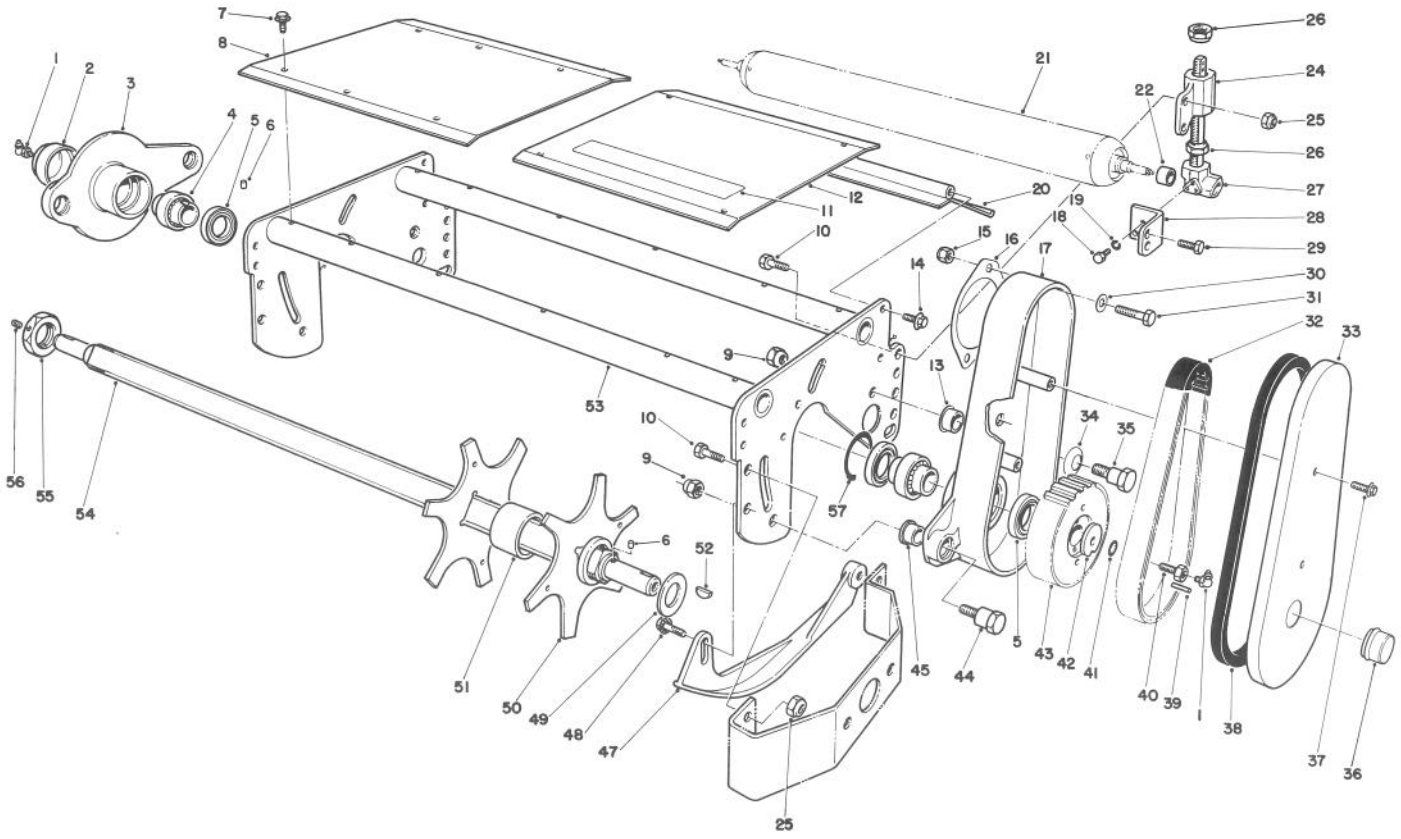


T-0184-90

REAR ROLLER SCRAPER KIT NO. 59-6090 (Optional)

Ref. No.	Part No.	Description	No. Used
1	59-6070	Bracket — Scraper R.H.	1
2†		Scraper	1
3	322-3	Screw — Cap Hex Hd.	2
4	3253-4	Lockwasher	8
5	3256-2	Washer	2
6	59-6080	Bracket — Scraper L.H.	1
7	322-2	Screw — Cap Hex Hd.	6

† Not Serviceable Separately.



T-0185-90

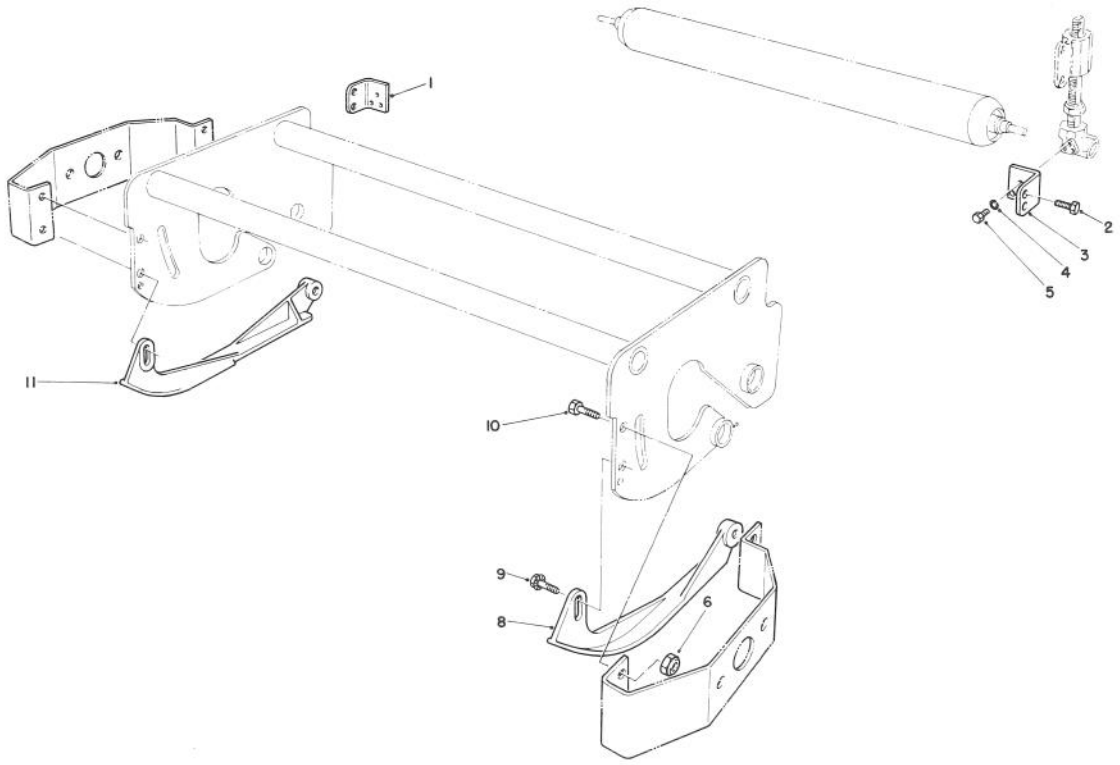
DETHATCHER REEL ASSEMBLIES R.H. & L.H. (Optional)

(R.H. ASSEMBLY MODEL NO. 03732 L.H. ASSEMBLY MODEL NO. 03730)

Ref. No.	Part No.	Description	No. Used
1	302-40	Grease Fitting — 90°	2
2	59-5560	Cap — Dust	1
3	59-5550	Bearing Housing	1
4	59-6140	Bearing	2
5	253-145	Seal	3
6	48-8880	Pin — Dowel	2
7	11-9760	Screw	8
8	59-5830	Cover — Inboard	1
9	3296-28	Nut — Lock	4
10	325-7	Bolt	6
11	59-7790	Decal	1
12	59-5840	Cover — Outboard	1
13	256-252	Bushing — Flange	2
14	3234-12	Screw — Flange	2
15	3296-48	Nut — Lock	2
16	48-9050	Shield — Drive Plate	1
17	62-6480	Drive Housing — L.H.	1
*	62-6470	Drive Housing — R.H.	1
18	322-2	Bolt	6
19	3253-4	Washer — Lock	6
20	52-9660	Grass Deflector — L.H.	1
*	51-1600	Grass Deflector — R.H.	1
21	59-5630	Rear Roller Assembly	1
22	59-5780	Bushing Assembly	2
24	59-5770	Roller Adjuster Housing	2
25	3296-25	Nut — Lock	8
26	59-5820	Nut — Cone	4
27	59-5700	Collar Assembly	2
28	59-6010	Skid Bracket L.H.	1
*	59-6000	Skid Bracket R.H.	1
29	325-5	Bolt	2

Ref. No.	Part No.	Description	No. Used
30	3256-25	Washer	1
31	324-6	Bolt	2
32	47-7160	Belt	1
33	48-9081	Cover — Drive Housing L.H.	1
*	48-9071	Cover — Drive Housing R.H.	1
34	3290-440	Washer — Belleville	2
35	48-9020	Bolt — Shoulder	2
36	59-7490	Plug — Grease Fitting	1
37	3234-14	Screw — Flange	2
38	47-7170	Gasket	1
39	32121-50	Pin — Roll	1
40	59-6190	Capscrew	1
41	3254-4	Washer — Lock	1
42	59-6150	Washer — Pulley	1
43	47-7140	Pulley — Driven	1
44	59-6340	Bolt — Shoulder	2
45	256-113	Bushing — Flange	2
47	59-5990	Skid L.H.	1
*	59-5980	Skid R.H.	1
48	3234-27	Screw — Flange	2
49	38-7330	Grass Shield	2
50	59-6280	Blade	12
51	59-6320	Spacer	11
52	3257-3	Key — Woodruff	1
53	59-6250	Frame	1
54	59-6290	Shaft & Stop Assembly	1
55	59-6330	Nut	1
56	3246-17	Set Screw	1
57	32151-71	Ring — Retaining	1
*	59-6270	Shaft — Thatcher Assembly (Incl. Ref. #50-51 & 54-56)	1

* Not Illustrated

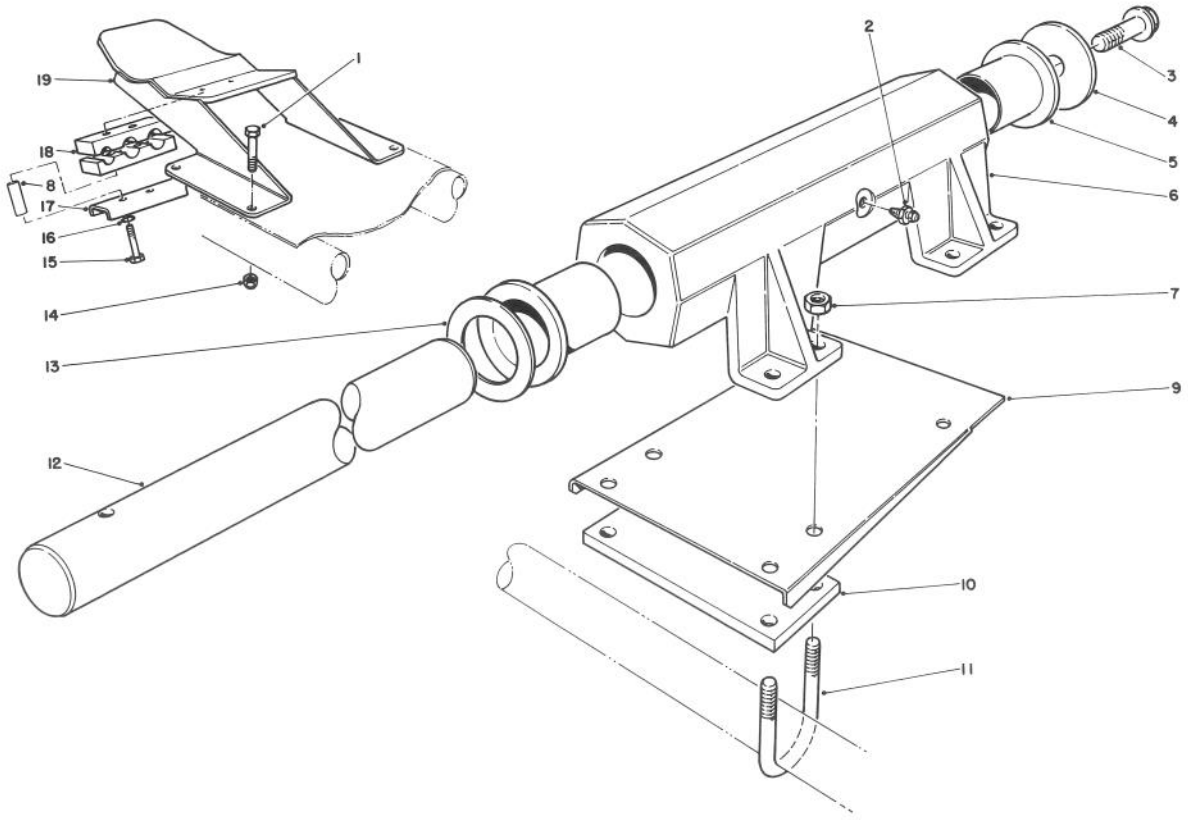


T-0186-90

SIDE SKID KIT MODEL NO. 03744 (Optional)

Ref. No.	Part No.	Description	No. Used
1	59-6000	Bracket — Skid R.H.	5
2	325-4	Screw — Cap Hex Hd.	10
3	59-6010	Bracket — Skid L.H.	5
4	3253-4	Lockwasher	30
5	322-2	Screw — Cap Hex Hd.	30
6	3296-25	Nut — Lock	20

Ref. No.	Part No.	Description	No. Used
7	59-6020	Guard	10
8	59-5990	Skid L.H.	5
9	3234-27	Screw — Cap Hex Hd.	10
10	325-7	Screw — Cap Hex Hd.	10
11	59-5980	Skid R.H.	5



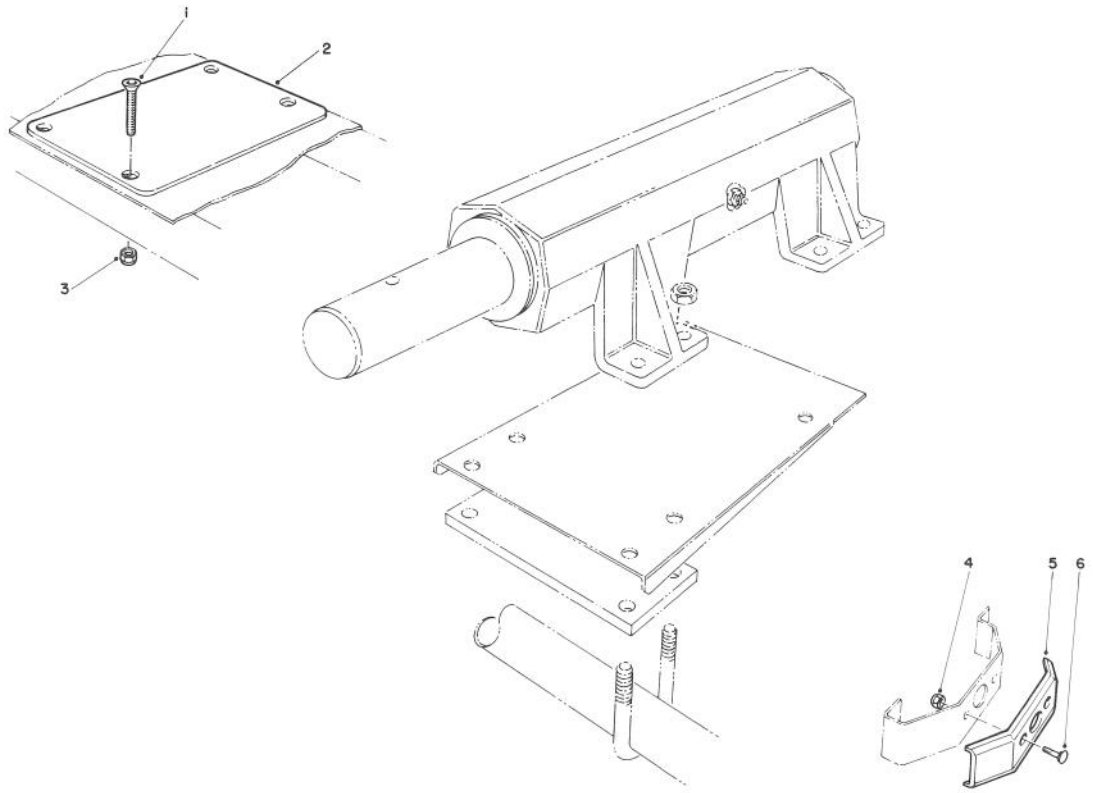
T-0986-90

FIXED HEAD KIT MODEL NO. 03762

Ref. No.	Part No.	Description	No. Used
1	321-11	Screw — Cap, Hex Hd.	8
2	302-2	Fitting — Grease	5
3	3234-32	Bolt — Lock, Whiz	5
4	75-7730	Washer — Thrust	5
5	68-6480	Bushing — Flange	10
6	75-7710	Pivot — Barrel	5
7	3296-47	Nut — Lock	40
8	74-2730	Tube	4
9	75-7750	Plate — Head, Fixed	5
*10	75-7740	Spacer	5

Ref. No.	Part No.	Description	No. Used
11	75-7770	U-Bolt	20
12	75-7720	Shaft	5
13	29-2770	Washer — Thrust	5
14	3296-8	Nut — Lock	8
15	321-15	Screw — Cap, Hex Hd.	4
16	3253-3	Washer — Lock	4
17	74-2740	Plate	2
18	74-2710	Clamp — Hose	4
19	59-7550	Bracket — Tipper	1

* Not required when using thatching units.

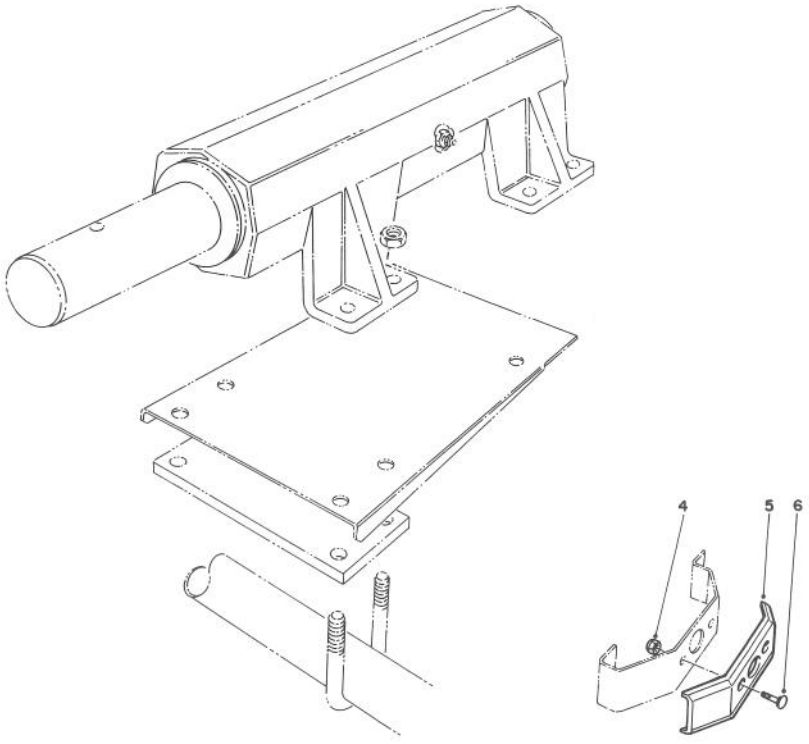


T-0985-90

FIXED HEAD KIT MODEL NO. 03762 (Continued)
(Cutting Unit No. 2 & 3)

Ref. No.	Part No.	Description	No. Used
1	3289-20	Screw	8
2	66-5630	Plate — Tipper	2
3	3296-8	Locknut	8

Ref. No.	Part No.	Description	No. Used
4	3296-45	Locknut	4
5	62-6060	Casting — Weight	2
6	3233-25	Carriage Bolt	4

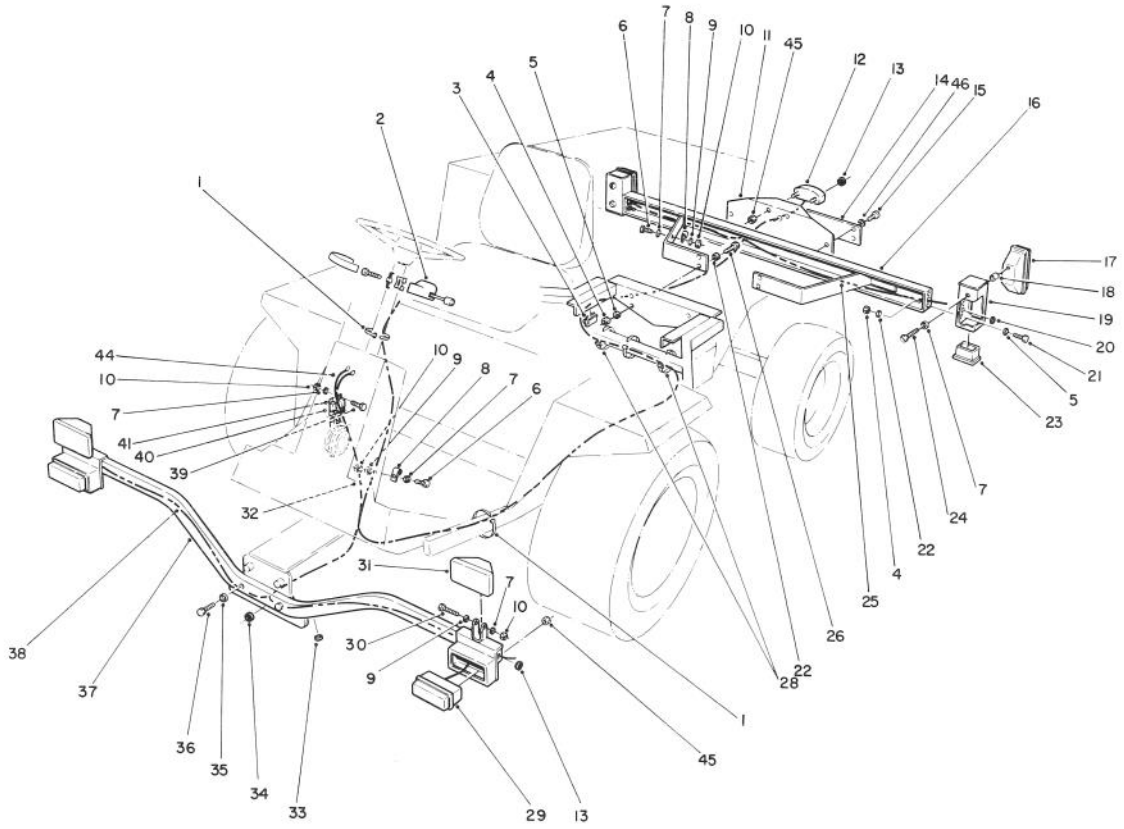


T-0984-90

FIXED HEAD KIT MODEL NO. 03762 (Continued)
(Cutting Unit No. 1)

Ref. No.	Part No.	Description	No. Used
4	3296-45	Locknut	2
5	62-6060	Casting — Weight	1

Ref. No.	Part No.	Description	No. Used
6	3233-1	Carriage Bolt	2



T-0187-90

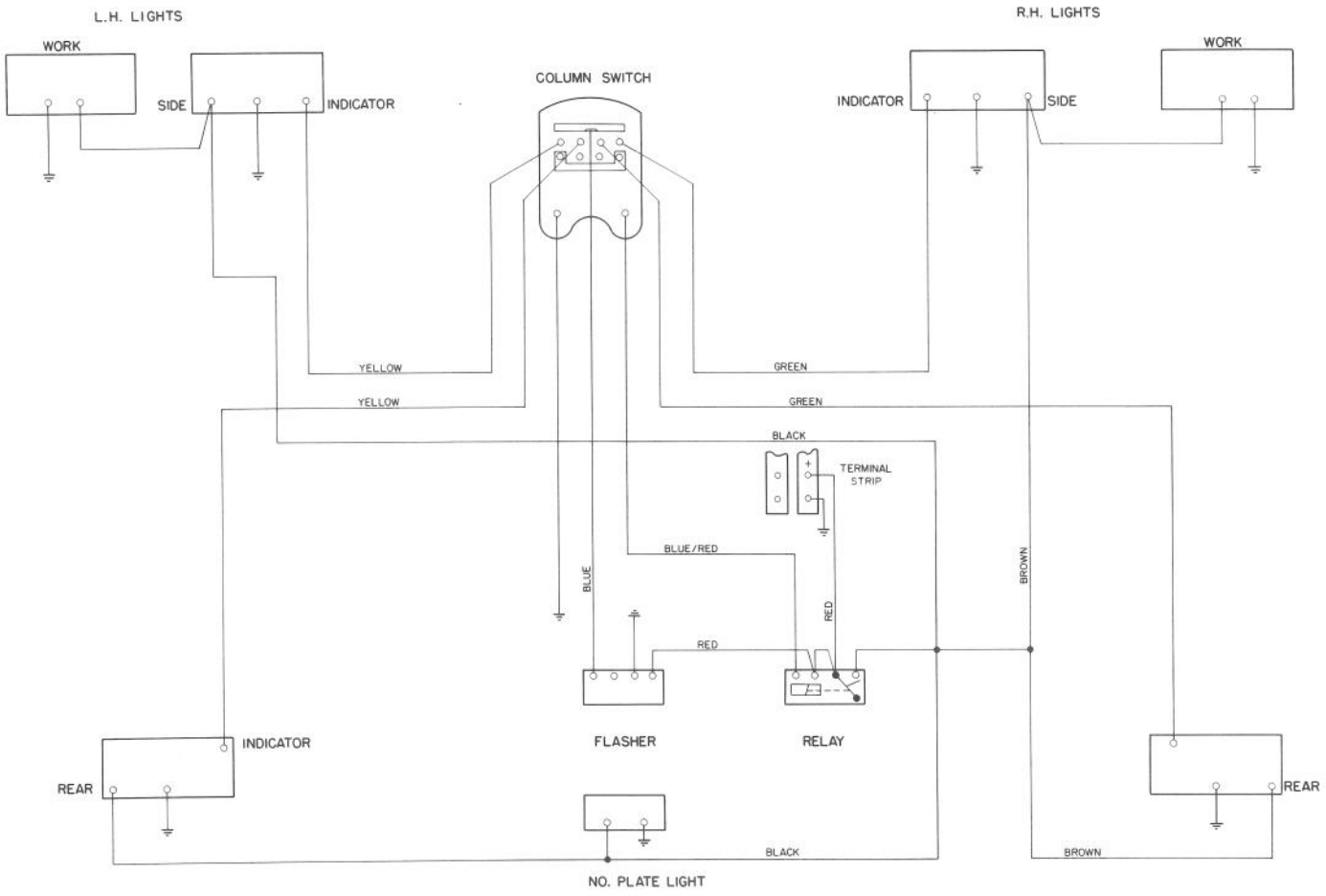
LIGHT KIT MODEL 03774 (Optional)

Ref. No.	Part No.	Description	No. Used
1	3290-378	Tie Strap — Plastic	6
2	60-4810	Switch — Turn Signal (Incl. Cable & Mounting Hardware)	1
3	60-0930	Edge Clip	3
4	48-7960	Nut	8
5	48-9580	Washer — Flat	8
6	68-5990	Screw — Pan Head	2
7	48-8000	Lockwasher	6
8	68-5980	P-Clip	2
9	52-6430	Flat Washer	2
10	48-7880	Nut	6
11	60-4680	Plate — Rear Bumper	1
12	60-2400	Light Unit — Rear Plate	1
13	68-5970	Grommet	5
14	60-4370	Plate — Registration	1
15	48-8870	Screw — Taptite	4
16	60-4600	Bumper Assembly — Rear	1
17	60-2390	Rear Combination Lamp	2
18	60-2410	Spacer	4
19	60-4660	Bumper End — L.H. Rear	1
*	60-4670	Bumper End — R.H. Rear	1
20	60-4350	Grommet	2
21	48-7780	Capscrew — Hex Hd.	4

Ref. No.	Part No.	Description	No. Used
22	48-9590	Lockwasher	8
23	60-2420	Plug — Plastic	4
24	60-4940	Screw — Pan Hd.	4
25	60-4800	Cable Assembly — Lighting	1
26	48-9480	Capscrew — Hex Hd.	4
28	250-5	Tiestrap — Plastic	2
29	60-4720	Front Combination Lamp	2
30	60-4540	Capscrew	2
31	60-4710	Fog Lamp	2
32	60-2860	Wire Harness	1
33	60-2370	Grommet	1
34	60-2380	Grommet	2
35	48-8070	Lockwasher	2
36	60-4950	Capscrew — Hex Hd.	2
37	60-4640	Front Lamp Bar Assembly	1
38	68-5960	Wiring Harness Comp. (Incl. Ref. #39-44)	1
39	52-6450	Capscrew — Hex Hd.	2
40	58-7450	Flasher Unit	1
41	60-4770	Relay Mount Bracket	1
44	68-5960	Wiring Harness	1
45	3296-2	Locknut	6
46	41-5450	Flatwasher	4

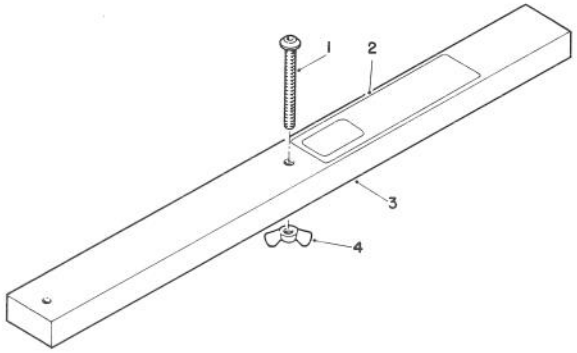
* Not Illustrated

LIGHT KIT MODEL 03774 (Optional) (Continued)
WIRING SCHEMATIC



T-0188-90

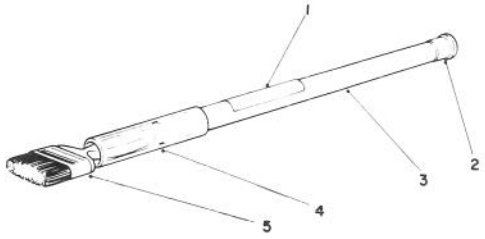
SPECIAL TOOLS



T-0191-90

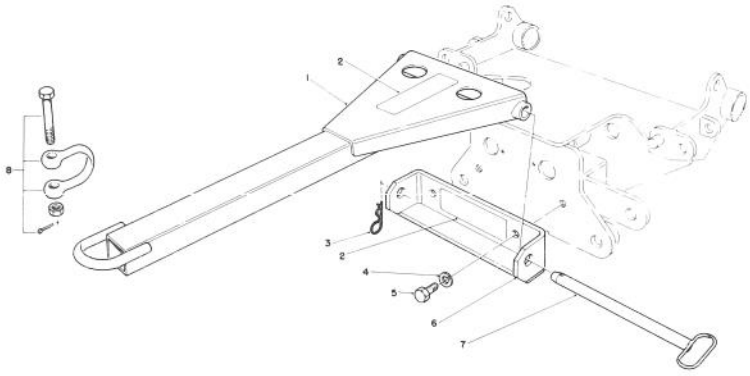
GAUGE BAR ASSEMBLY NO. 59-7900

Ref. No.	Part No.	Description	No. Used
1	3274-75	Button Hd. Socket Capscrew	1
2	59-7930	Decal	1
3	59-7940	Bar	1
4	32103-3	Wing Nut	1



BACKLAPPING BRUSH ASSEMBLY NO. 29-9100

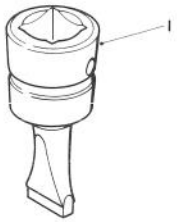
Ref. No.	Part No.	Description	No. Used
1	12-9140	Decal	1
2	2410-18	Plug	1
3	29-9080	Handle	1
4	29-9090	Hose — Handle	1
5	36-4310	Brush	1



T-0190-90

TOW BAR ASSEMBLY NO. 58-7020

Ref. No.	Part No.	Description	No. Used
1	12-7579	Tow Bar (Incl. Ref. #2)	1
2	59-7100	Decal — Towing Instructions	2
3	60-4150	Retaining Pin	1
4	48-8070	Lockwasher	2
5	48-7830	Screw — Hex Hd.	2
6	12-7589	Bracket — Tow Bar (Incl. Ref. #2)	1
7	60-4120	Pin — Tow Bar	1
8	60-4480	Shackle Assembly	1



BED KNIFE SCREW TOOL NO. 51-0880

Ref. No.	Part No.	Description	No. Used
1	51-0880	Tool — Bed Knife Screw	1

INDEX

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	10-11
Reel Control Valve Assembly No. 63-4800	12
Control Valve Assembly 58-5470	13
Priority Flow Control — Valve Assembly No. 58-5490 Model 03700 & 58-5491 Model 03701	14
Air Cleaner Assembly	15
Seat Platform & Filler Cap Assembly	16
Suspension Seat Assembly	17
Front & Rear Canopy Assembly	18-19
Radiator & Oil Cooler Assembly	20
Fuel Tank Assembly	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
Traction Drive Assembly	28
Wheel Motor No. 58-5430	29
Planetary Gear Drive Assembly No. 62-6400 & 58-5530	30
Steering Axle	31
Engine Installation Assembly	32
Crankcase Assembly	33
Short Block Assembly No. 58-5670	34
Timing Gear & Case Components	35
Water Pump & Thermostat Housing Assembly	36
Crankshaft & Flywheel Housing Components	37
Cylinder Head & Piston Components	38
Valve, Camshaft & Oil Pump Components	39
Oil Pan & Oil Filter	40
Inlet & Exhaust Manifold	41

Description	Page
Fuel System Injection Pump & Nozzle Components	42-43
Fuel Injection Pump No. 60-5100	44-45
Fuel Filter Assembly No. 60-5010	46
Electrical Component Parts	47
Starter Motor Assembly No. 51-7590	48
Alternator Assembly No. 60-5420	49
Hydraulic Pump Connections	50
Gear Pump Assembly No. 58-5650	51
Piston Pump Assembly 58-5660	52
Pump Assembly No. 58-5510 Model 03700 & 58-5511 Model 03701	53
Hydraulic Circuit — Traction & Steering	54
Hydraulic Schematic — Traction & Steering	55
Hydraulic Circuit — Lift Arms	56
Hydraulic Circuit — Schematic, Lift Arms	57
Hydraulic — Cutting Circuit	58
Hydraulic Schematic — Cutting Circuit	59
Electrical Diagram	60
Electrical System Diagram	61
Reel Motor Assembly No. 66-5700	62
Cutting Unit Flotation Kit Model No. 03760	63-65
Cutting Unit R.H. & Center Assembly (5 Blade Model 03753 & 7 Blade Model 03756)	66-67
Cutting Unit Assembly L.H. (5 Blade Model 03752 & 7 Blade Model 03754)	68-69
Rear Roller Assembly No. 59-5630	70
Front Roller Kit Model No. 03742 (Optional)	71
Front Roller Scraper Kit Part No. 62-6220 (Optional)	71
Sectional Roller Kit Model No. 03738 (Optional)	72
Wiehle Roller Kit Model No. 03740 (Optional)	73
Rear Roller Scraper Kit No. 59-6090 (Optional)	74
Dethatcher Reel Assemblies R.H. & L.H. (Optional) (R.H. Assembly Model No. 03732 L.H. Assembly Model No. 03730)	75
Side Skid Kit Model No. 03744 (Optional)	76
Fixed Head Kit Model 03762	77-79
Light Kit Model 03774 (Optional)	80-81
Special Tools	82

MAINTENANCE RECORD

Date								