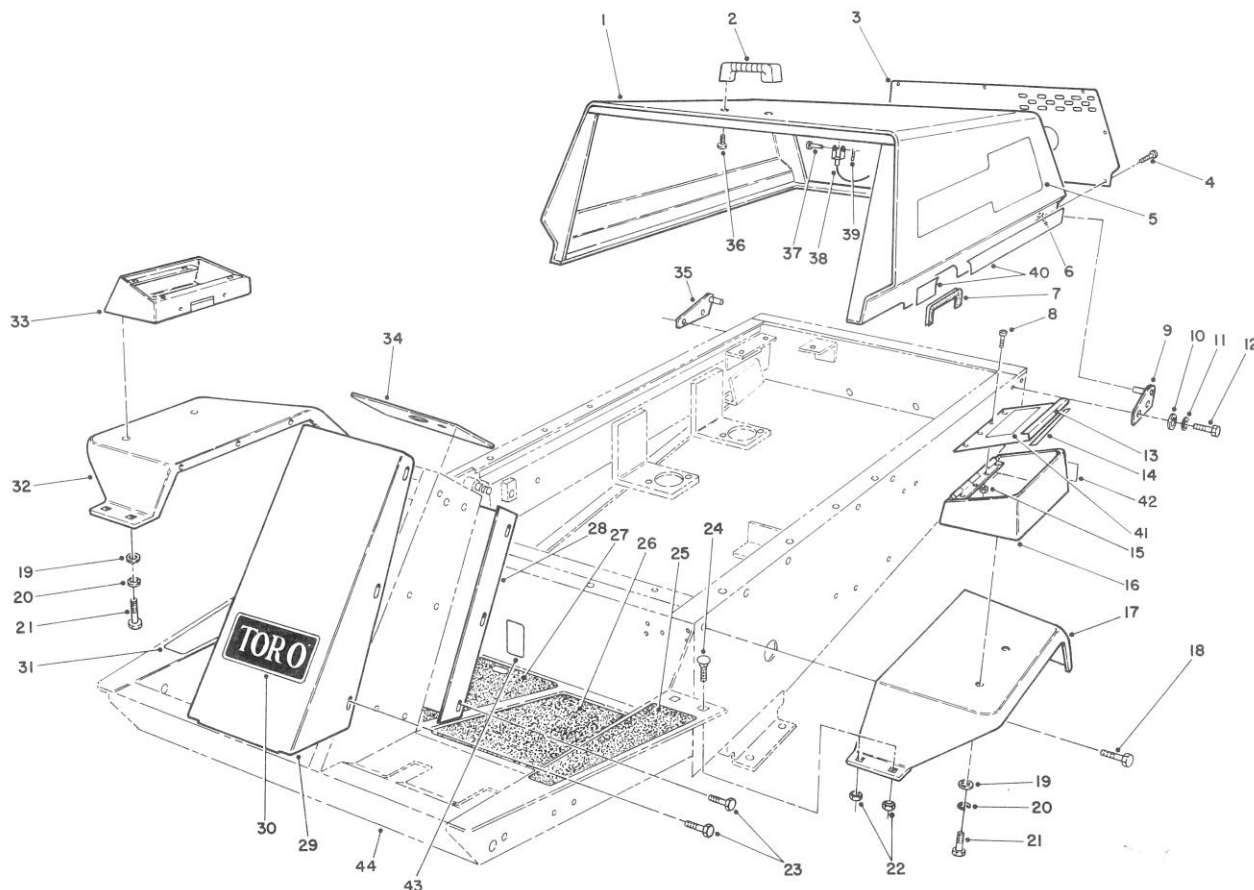




MODEL NO. 30794 — 80001 & UP

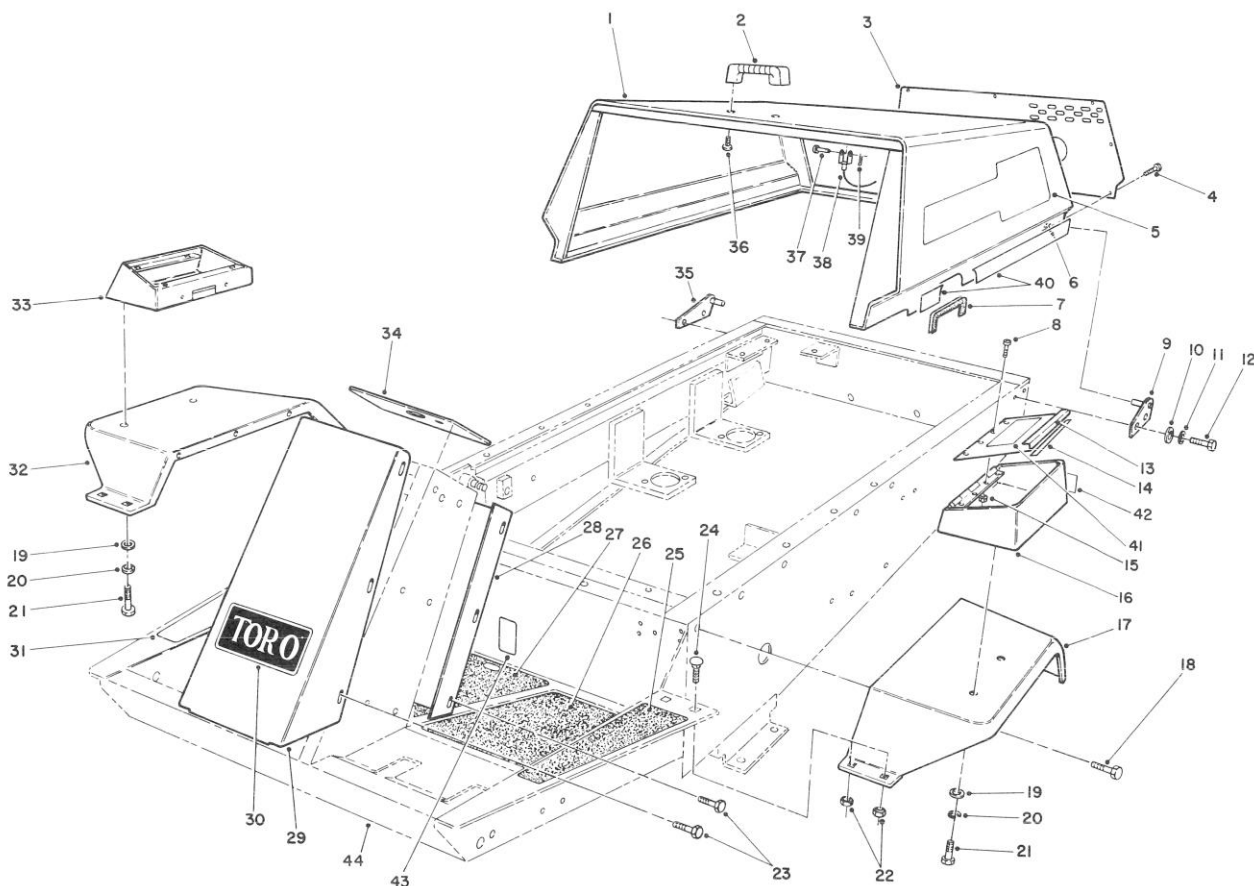
PARTS CATALOG

GROUNDMASTER® 220-D



BODY ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	63-6950	Hood Assembly	1	16	66-2830	Box — Tool	1
2	65-5100	Handle — Hood	1	17	63-7310	Fender L.H.	1
3	63-7030	Screen — Hood	1	18	3234-14	Screw — Cap Hex. Hd.	8
4	321-39	Screw — Cap Hex. Hd.	7	19	3256-22	Washer — Flat	4
5	63-7670	Decal — Groundmaster 220-D	2	20	3253-3	Washer — Lock	4
6	3296-42	Nut — Hex	7	21	321-4	Screw — Cap Hex. Hd.	4
7	66-8110	Trim — Hood	1	22	32149-1	Nut — Hex	4
8	3290-359	Screw — Machine	4	23	46-6810	Screw — Cap Hex. Hd.	14
9	63-6900	Plate Hinge L.H.	1	24	3230-23	Bolt — Carriage	4
10	3256-70	Washer — Flat	4	25	66-3200	Tread — Foot Rest L.H.	1
11	3253-4	Washer — Lock	4	26	66-3210	Tread — Foot L.H.	1
12	322-45	Screw — Cap Hex. Hd.	4	27	66-3220	Tread — Foot R.H.	1
13	66-3040	Cover — Tool Box	1	28	63-7320	Cover — Tower Rear	1
14	66-3050	Strip — Magnetic	1	29	63-7330	Cover — Tower Front	1
15	3296-12	Nut — Hex	4	30	62-5550	Decal — TORO	1

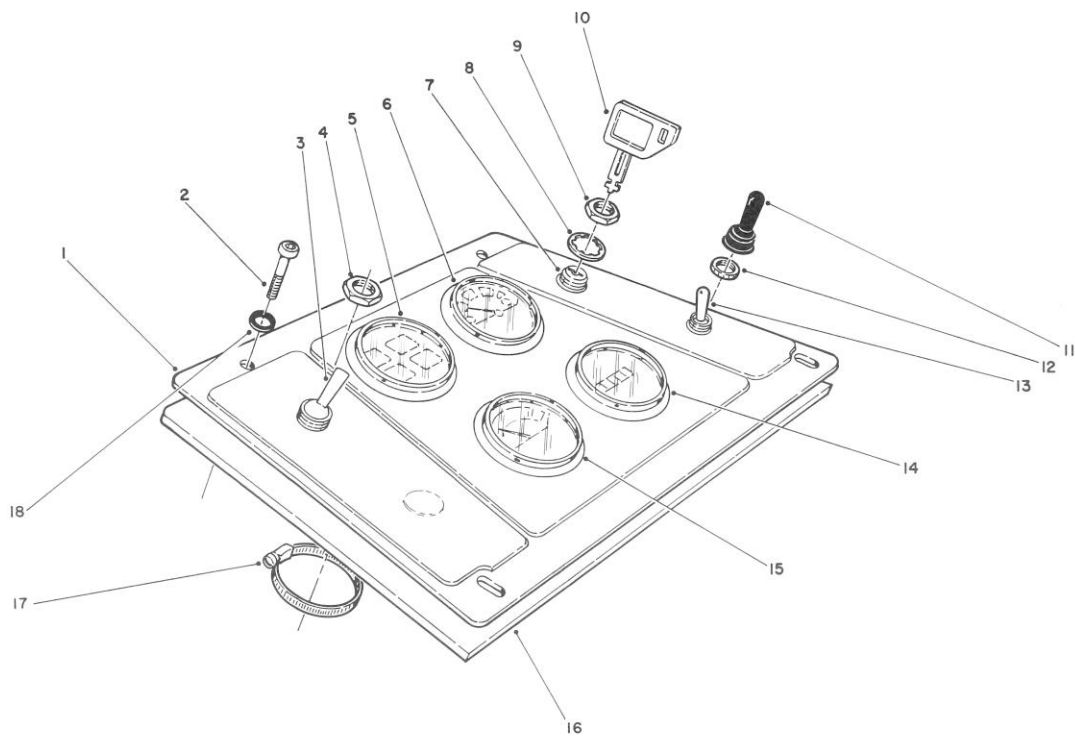


BODY ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
31	66-8890	Decal Traction Pedal	1
32	63-7300	Fender — R.H.	1
33	63-8050	Box — Control	1
34	66-2470	Plate — Tower	1
35	63-6890	Plate — Hinge R.H.	1
36	46-8091	Screw — Cap Hex. Hd.	2
37	283-58	Pin — Clevis	1
38	66-2870	Cable — Hood Stop	1

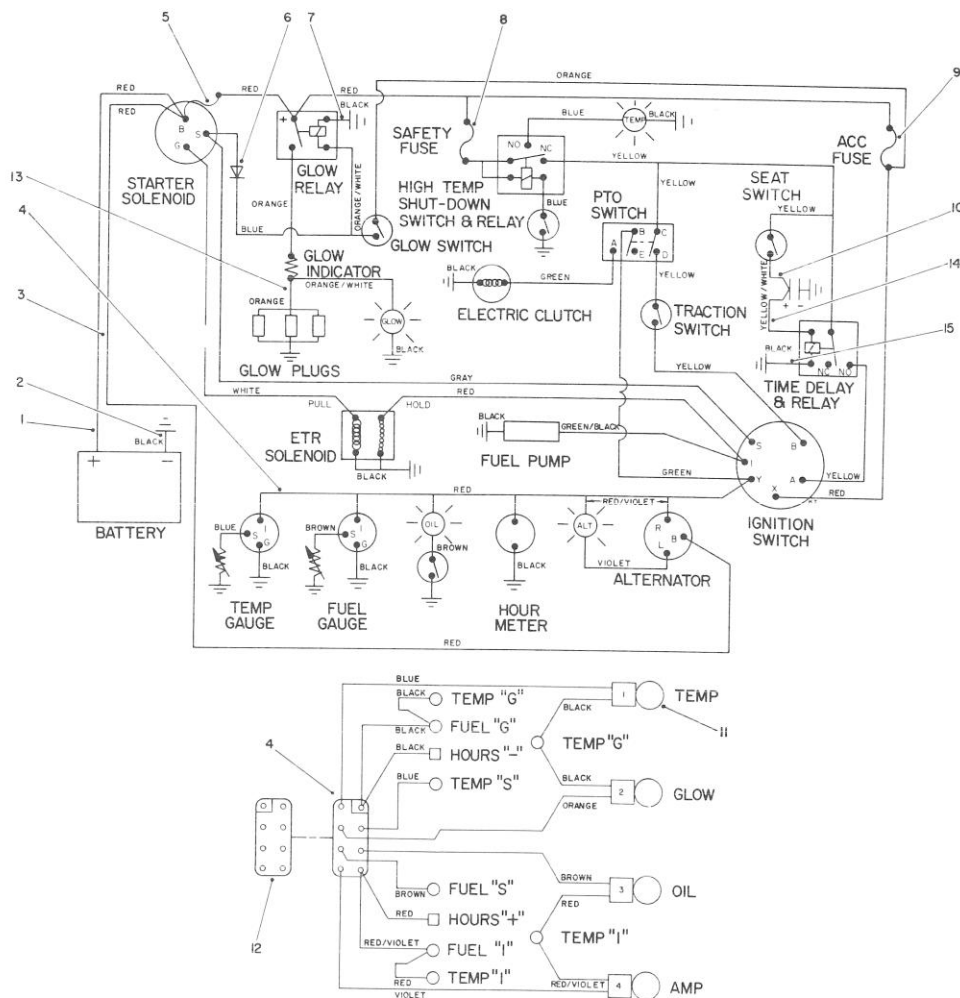
Ref. No.	Part No.	Description	No. Used
39	3272-10	Pin — Cotter	1
40	66-8680	Decal — Hood L.H.	1
*	66-8670	Decal — Hood R.H.	1
41	66-8880	Decal — Caution	1
42	27-7310	Decal (over fill caution)	1
43	53-4430	Decal — Oil	1
44	63-6870	Frame Assembly	1

*Not Illustrated



CONTROL PANEL ASSEMBLY

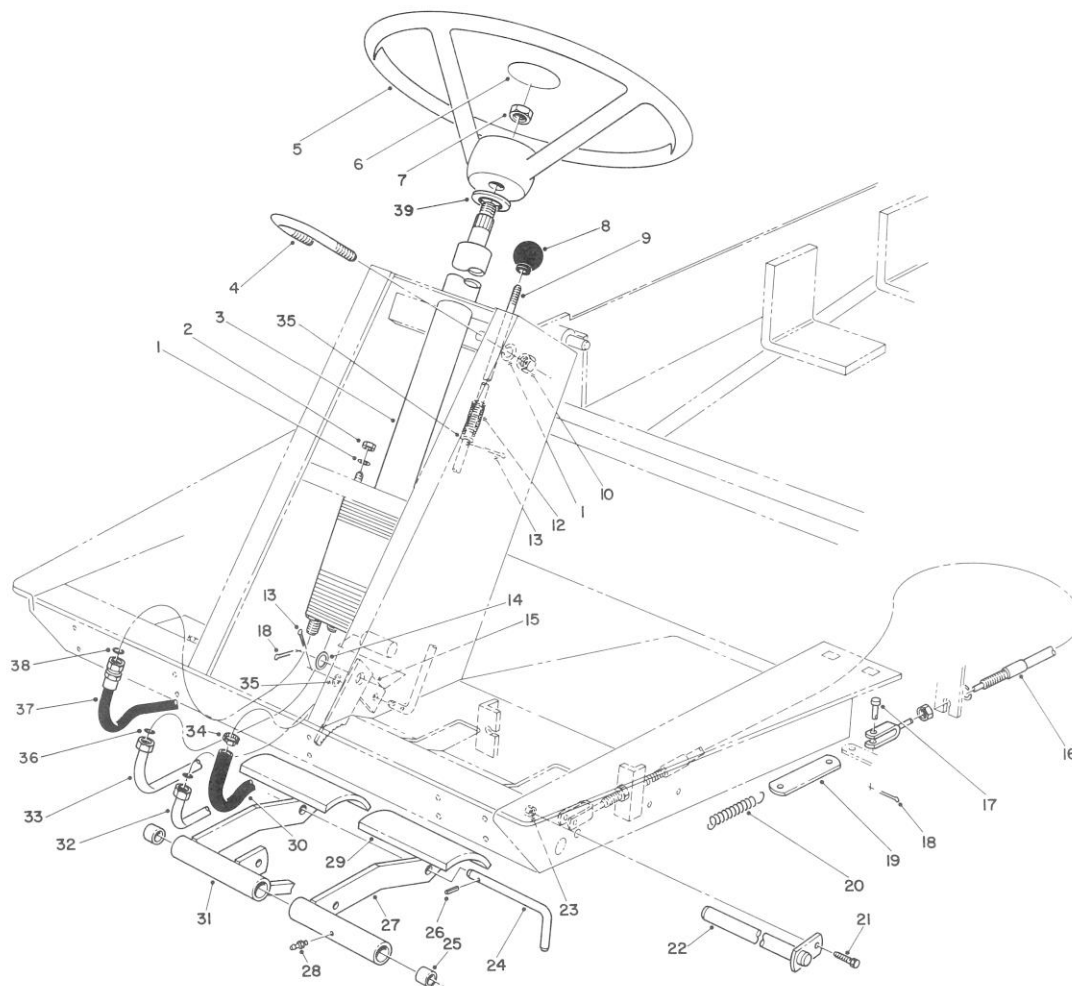
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-2460	Plate — Control Panel	1	10	62-7770	Key — Ignition	1
2	3274-68	Screw — Socket Button Hd.	4	11	218-473	Boot — Switch	1
3	37-2610	Switch — PTO	1	12	218-497	Nut — Face	1
		(Incl. Ref. #4)	1	13	6-1659	Switch — Glow Plugs	1
4	218-500	Nut — Hex	1			(Incl. Ref. #11 & 12)	1
5	66-2960	Warning Light Cluster	1	14	66-2950	Meter — Hour	1
6	66-2940	Gage — Fuel	1	15	63-7430	Gage — Temperature	1
7	27-2360	Switch — Ignition	1	16	63-7990	Panel — Control	1
		(Incl. Ref. #8-10)	1	17	2412-3	Clamp — Hose	1
8	218-447	Washer — Lock	1	18	3256-1	Washer — Black	4
9	218-446	Nut — Hex	1				



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	43-4031	Wire Positive	1
2	63-7340	Wire — Ground	1
3	63-7360	Wire Harness (Incl. Ref.#5-7 & 10)	1
4	66-8690	Lamp Harness (Incl. Ref. #11)	1
5	67-7120	Fusible Link	1
6	67-7130	Diode	1
7	67-7140	Ground Wire	1

Ref. No.	Part No.	Description	No. Used
8	218-574	Fuse 7.5A	1
9	218-573	Fuse 5.0A	1
10	67-7150	Wire — Seat	1
11	219-17	Light Bulb	4
12	68-7380	Connector Assembly	1
13	68-7370	Wire — Glow	1
14	67-7180	Wire — Seat	1
15	67-7190	Wire — Ground	1

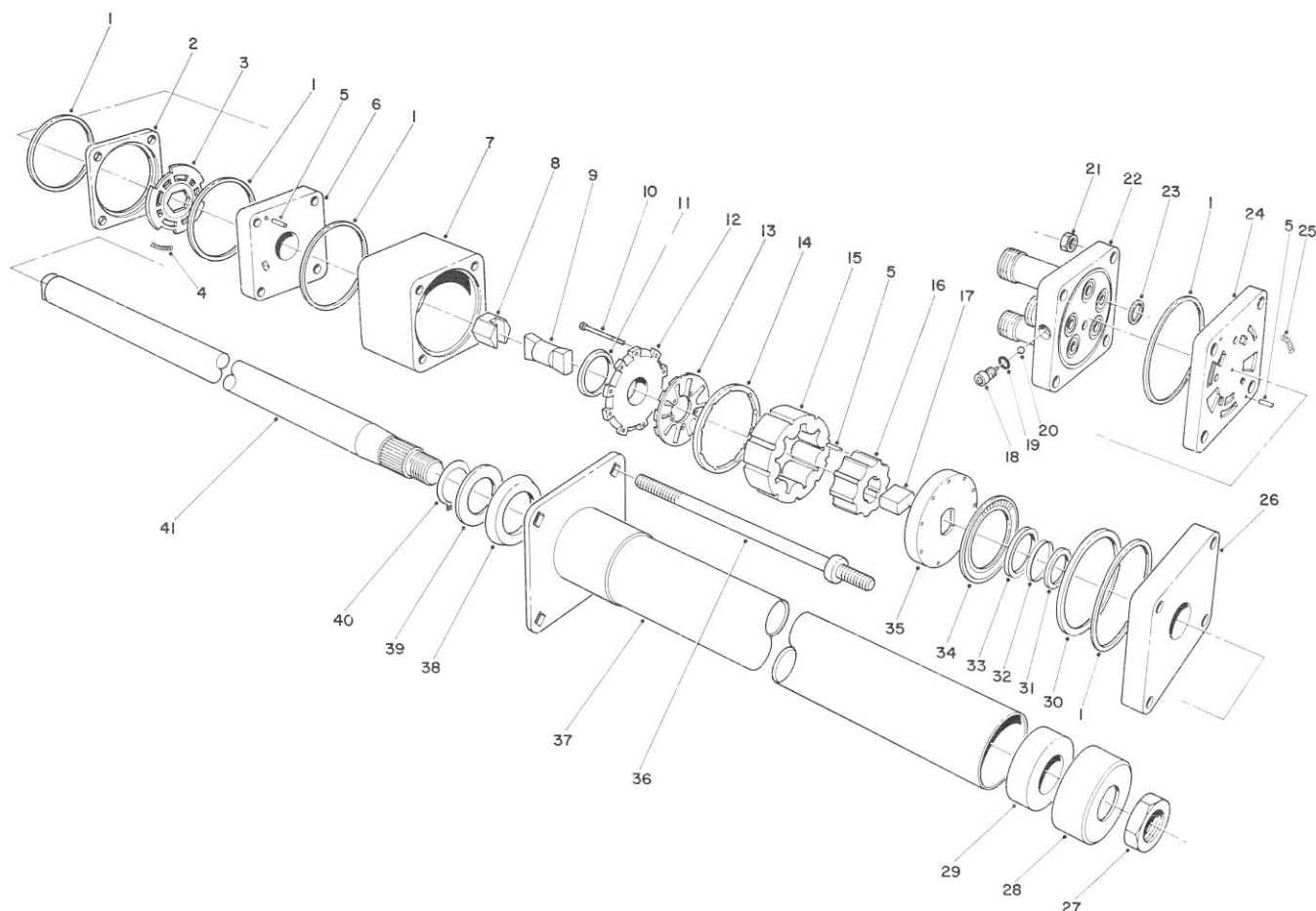


POWER STEERING & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3256-23	Washer — Flat	6
2	3296-20	Locknut	4
3	63-9250	Valve — Power Steering (Incl. Ref. #7)	1
4	54-8970	U-Bolt	1
5	24-2000	Wheel — Steering	1
6	24-2090	Cap — Steering Wheel	1
7	66-9760	Hex Nut	1
8	233-17	Knob	1
9	63-7910	Rod — Brake Latch	1
10	3296-29	Locknut	2
12	3-3251	Spring	1
13	3272-5	Cotter Pin	4
14	3256-22	Washer — Flat	1
15	63-7900	Rack — Brake	1
16	63-7730	Brake Cable Assy. L.H.	1
*	63-7731	Brake Cable Assy. R.H.	1
17	283-58	Pin — Clevis	4
18	3272-10	Cotter Pin	5
19	63-6750	Link — Brake Cable	2
20	3-7243	Spring — Return	2
21	321-3	Hex Hd. Capscrew	1

Ref. No.	Part No.	Description	No. Used
22	63-6210	Pin — Brake	1
23	3296-42	Locknut	1
24	63-7880	Pin — Brake Latch	1
25	256-42	Bushing	4
26	32121-50	Roll Pin	1
27	63-6180	Pedal — L.H. Brake (Incl. Ref. #25 & 28)	1
28	302-5	Fitting — Grease	2
29	7-3900	Foot Pad — Brake	2
30	66-8140	Hose	1
31	63-6190	Pedal — R.H. Brake (Incl. Ref. #25 & 28)	1
32	66-8630	Tube — Hydraulic (Str.-Lift)	1
33	66-8620	Tube — Hydraulic (Pump-Str.)	1
34	2412-56	Clamp	2
35	3256-22	Washer — Flat	3
36	237-30	O — Ring (-6)	2
37	66-8170	Hose — Hydraulic	2
*	44-8530	Sock — Hose	1
38	237-22	O — Ring (-8)	2
39	21-9260	Dust Cover	1

*Not Illustrated

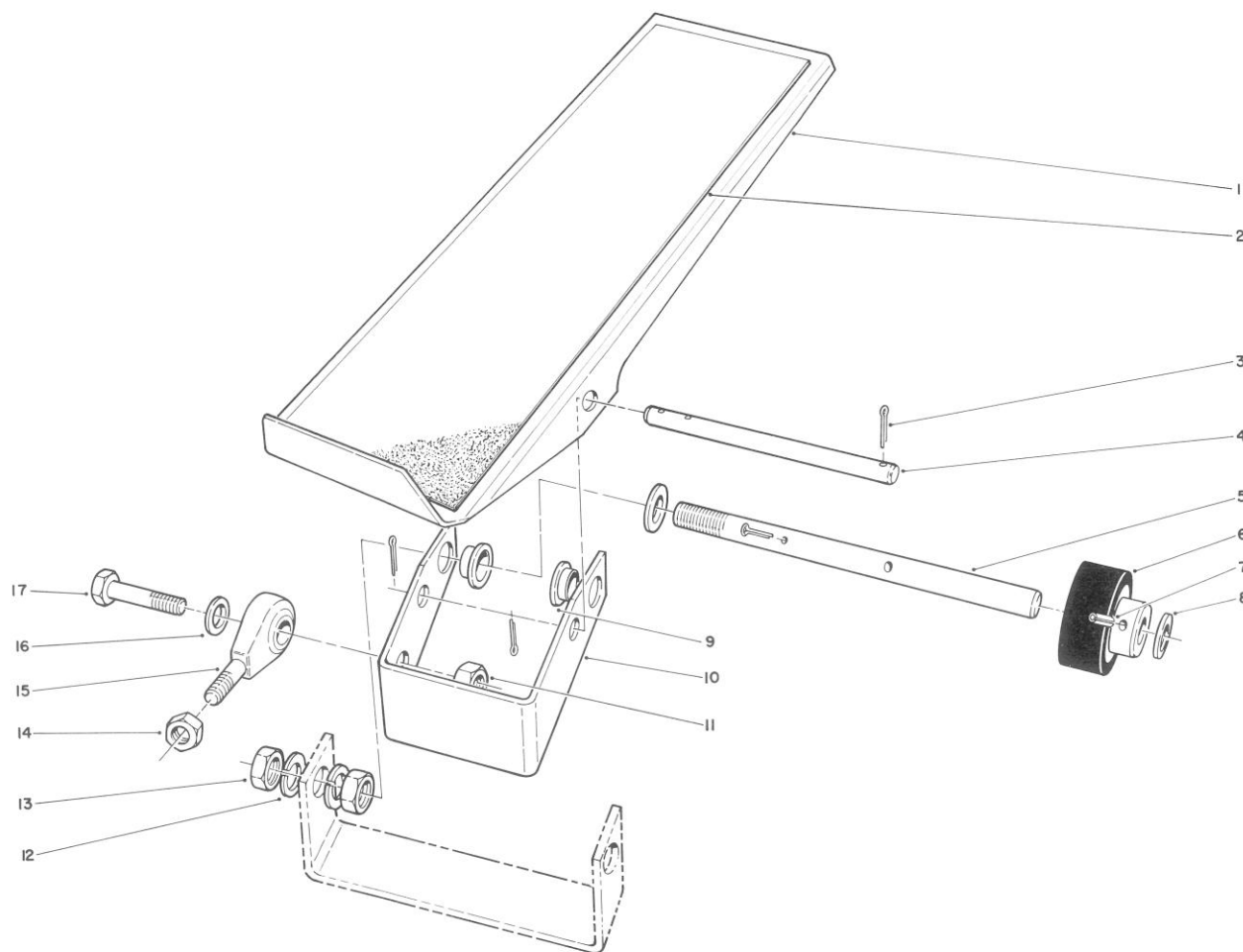


STEERING VALVE ASSEMBLY NO. 63-9250

Ref. No.	Part No.	Description	No. Used
1	66-9510	Ring — Seal	5
2		Ring — Valve	1
3		Plate — Valve	1
4		Spring	3
5		Pin — Alignment	9
6		Manifold — Isolation	1
7		Ring — Metering	1
8		Hex Drive Assy.	1
9		Link — Drive	1
10		Hex Socket Hd. Screw	11
11		Seal — Commutator	1
12		Cover — Commutator	1
13		Commutator	1
14		Ring — Commutator	1
15		Stator	1
16		Rotor	1
17		Spacer — Drive Link	1
18		Plug	1
19		O-Ring	1
20		Ball	1
21		Hex Nut	4
22		Cover — Port	1

Ref. No.	Part No.	Description	No. Used
23		O-Ring	5
24		Manifold — Port	1
25		Spring	3
26		Plate — Upper Cover	1
27	66-9760	Nut	1
28	66-9770	Seal	1
29	66-9780	Bushing	1
30		Spacer — Thrust Bearing	1
31		Spacer — Seal	1
32		Ring — Back Up	1
33		Seal — Face	1
34		Bearing — Thrust	1
35		Plate — Drive	1
36	66-9850	Bolt — Special	4
37		Upper Cover & Jacket	1
38	66-9870	Plate — Retaining	1
39	66-9880	Washer — Retaining Plate	1
40	66-9890	Ring — Retaining	1
41	66-9900	Shaft — Input	1
*	66-9970	Spring Kit	1
*	66-9980	Seal Kit	1
*	66-9990	Needle Roller Kit	1

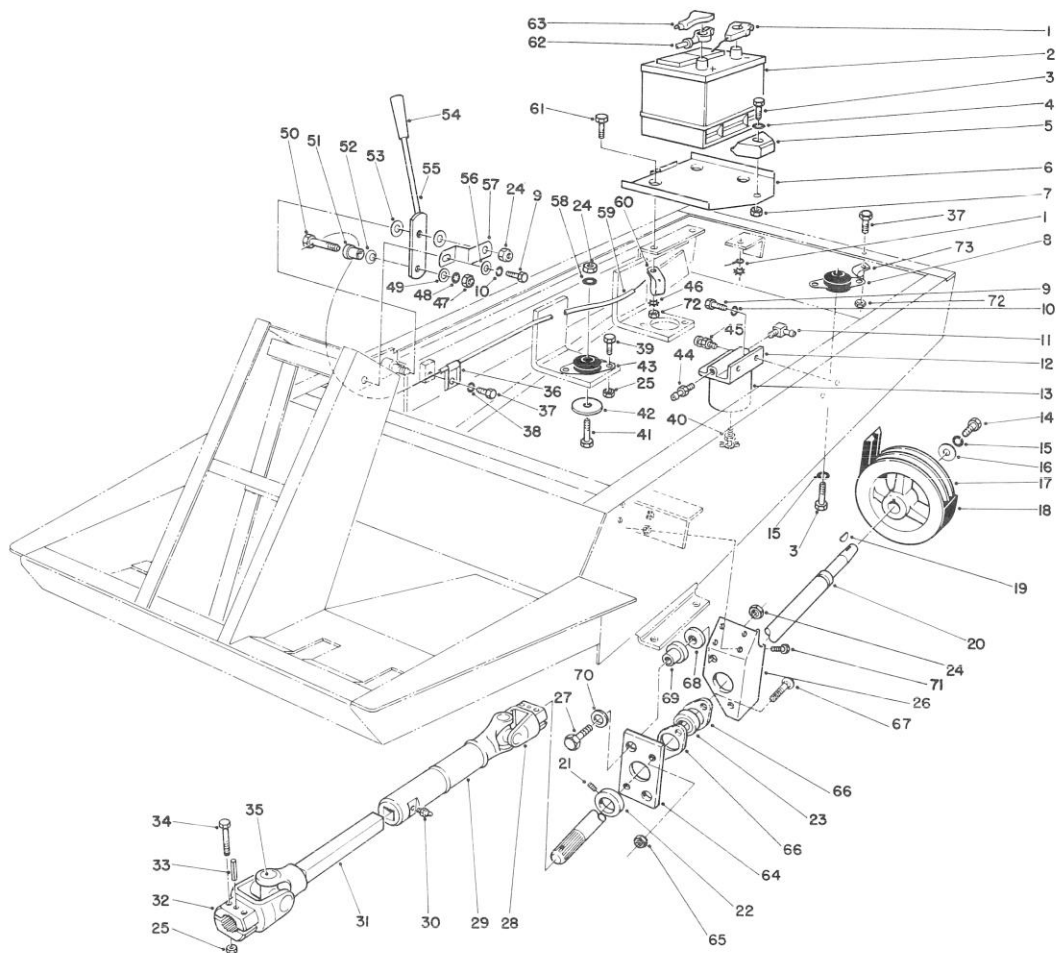
*Not Illustrated



TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7930	Pedal — Traction	1
2	28-5130	Pad — Traction Pedal	1
3	3272-10	Pin — Cotter	4
4	29-5630	Pin — Pedal Pivot	1
5	63-6160	Shaft — Traction Pedal	1
6	28-5220	Wheel — Friction	1
7	32121-16	Pin — Roll	1
8	5-7570	Washer	2
9	256-156	Bushing — Flange	2

Ref. No.	Part No.	Description	No. Used
10	63-6170	Pivot Bracket Assembly (Incl. Ref. #9)	1
11	3296-39	Nut — Lock	1
12	3253-7	Washer — Lock	2
13	3218-5	Nut — Jam	2
14	3220-3	Nut — Jam	1
15	2411-36	End — Rod	1
16	3256-24	Washer — Flat	1
17	323-8	Screw — Cap Hex. Hd.	1

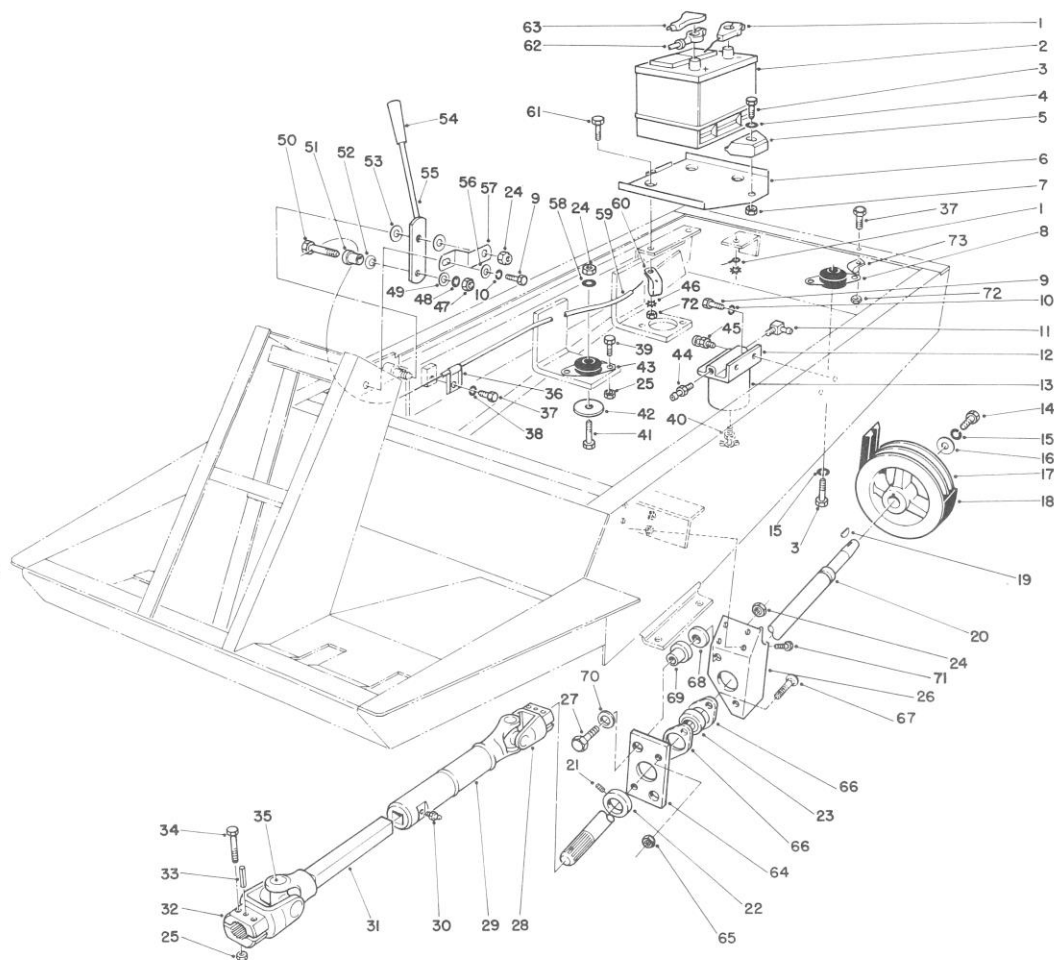


POWER TAKE OFF BATTERY & ENGINE MOUNT

Ref. No.	Part No.	Description	No. Used
1	63-7340	Wire — Ground	1
2†		Battery	
		Type 26 SMF-5	1
3	323-9	Screw — Cap Hex Hd.	11
4	3256-24	Washer — Flat	1
5	66-2490	Clamp — Battery Retainer	1
6	66-2330	Base — Battery	1
7	3296-39	Nut — Lock	1
8	63-7141	Mount — Shock (Red)	1
9	321-4	Screw — Cap	3
10	3253-3	Washer — Lock	3
11	353-707	Fitting 90°	1
12	63-8280	Head Assy.	1
13	63-8300	Element, Spin-On	1
14	323-18	Screw — Cap Hex Hd.	1
15	3253-21	Washer — Lock	11
16	29-4730	Washer — PTO	1
17	43-5320	Pulley — PTO	1
18	63-6240	Belt — PTO	1
19	3257-5	Key — Woodruff	1
20	63-6220	Shaft — PTO	1
21	3246-1	Setscrew	1
22	251-77	Collar — Locking	1

Ref. No.	Part No.	Description	No. Used
23	251-253	Bearing — PTO Shaft (Incl. Ref. #21 & 22)	1
24	3296-39	Locknut	2
25	3296-29	Nut — Lock	11
26	63-6530	Bracket — PTO Bearing	1
27	323-10	Screw — Cap Hex Hd.	2
28	54-9090	Yoke — End	1
29	54-9170	Tube — Slip Yoke	1
30	302-58	Zerk	1
31	54-9050	Shaft — Slip Yoke	1
32	54-9040	Yoke — End	1
33	32151-34	Pin — Roll	2
34	322-9	Screw — Cap Hex Hd.	4
35	54-9180	Kit — Universal Joint	2
36	3-6657	Clip — Cable	1
37	322-3	Screw — Cap Hex Hd.	2
38	3253-4	Washer — Lock	1
39	322-5	Screw — Cap Hex Hd.	8
40	63-8310	Valve — Drain	1
41	323-11	Screw — Cap Hex Hd.	3
42	63-7400	Washer — Rebound	4
43	63-7140	Mount — Shock	3
44	353-783	Fitting — Straight	1

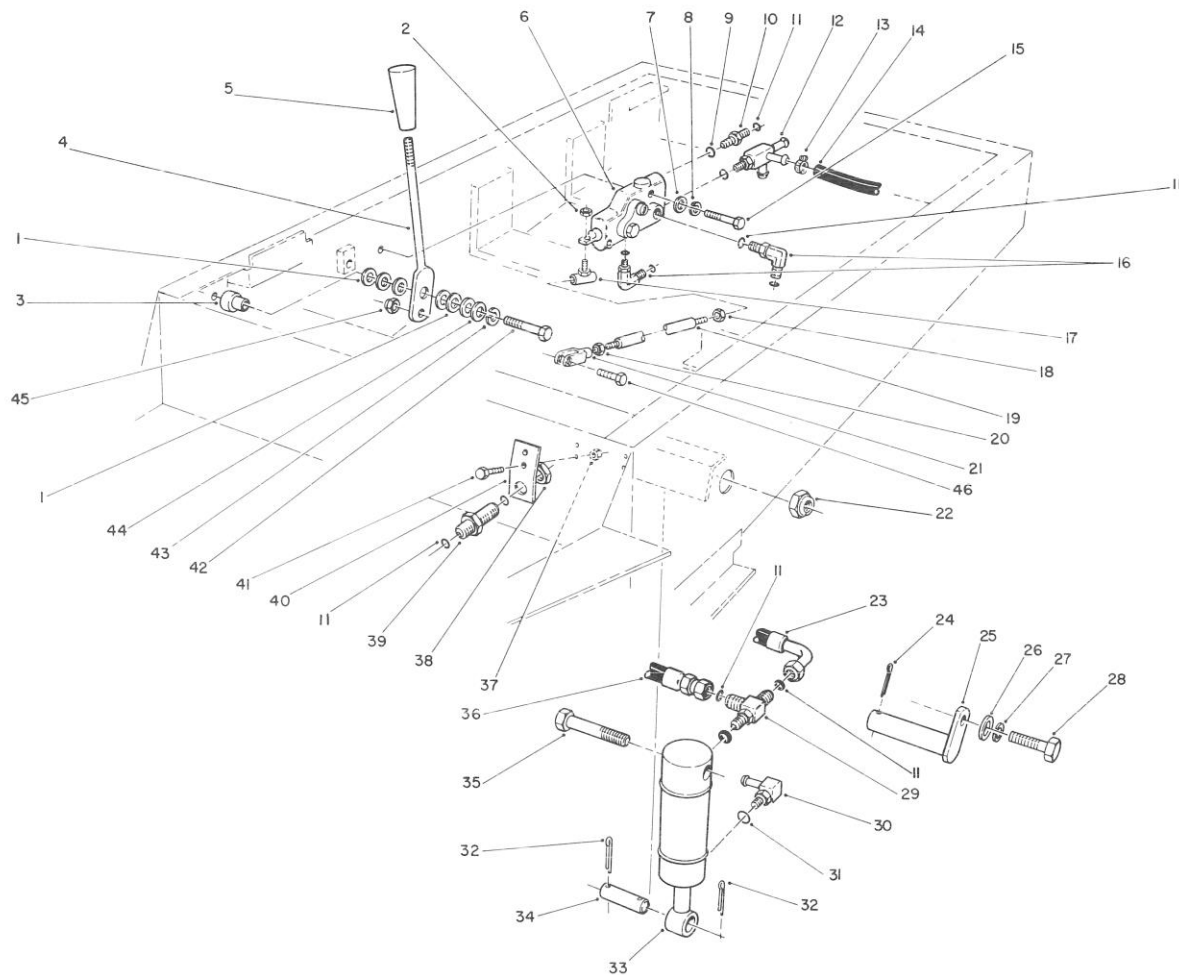
†Obtain Locally



POWER TAKE OFF BATTERY & ENGINE MOUNT (Continued)

Ref. No.	Part No.	Description	No. Used
45	63-8290	Vent — Air	1
46	3255-8	Lockwasher — External Tooth	1
47	67-5150	Nut — Hex	1
48	67-5140	Lockwasher — Internal Tooth	1
49	67-5130	Washer — Flat	1
50	67-5110	Screw — Special	1
51	67-5100	Sleeve — Connector	1
52	67-5120	Washer — Spring	1
53	66-2920	Washer — Friction	2
54	233-39	Knob	1
55	66-2700	Lever — Throttle	1
56	3256-22	Washer — Flat	1
57	66-2670	Bracket — Throttle	1
58	3256-24	Washer — Flat	3
59	66-3080	Cable — Throttle	1

Ref. No.	Part No.	Description	No. Used
60	67-7210	Clamp — R	4
61	322-4	Screw — Cap Hex Hd.	3
62	43-4031	Cable — Battery Pos.	1
63	28-1280	Boot — Pos. Cable	1
64	67-1640	Plate — Bushing Support	1
65	32149-1	Locknut	1
66	251-326	Bearing Flange	2
67	3230-2	Carriage Bolt	2
68	67-1630	Spacer — PTO	2
69	63-9750	Mount	2
70	63-8410	Washer Flat	2
71	322-4	Capscrew	4
72	32128-25	Nut — Flange	4
73	2412-104	R-Clamp	1

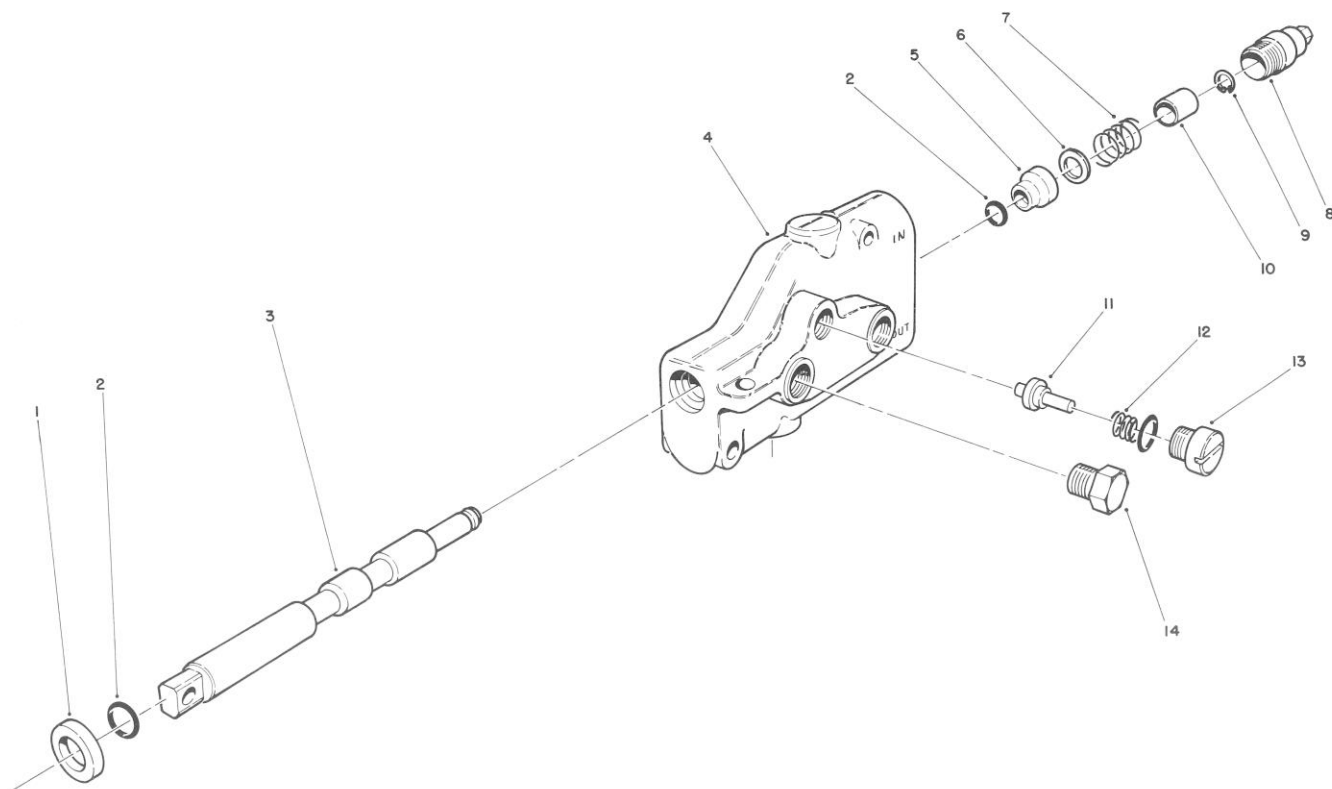


HYDRAULIC LIFT SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3290-413	Washer — Belleville	5
2	3296-27	Nut — Lock	1
3	66-2660	Spacer — Lever	1
4	66-2720	Lever — Lift	1
5	233-39	Knob	1
6	63-7960	Valve — Lift	1
7	3256-22	Washer — Flat	2
8	3253-3	Washer — Lock	2
9	237-65	Seal — O-Ring	5
10	340-2	Fitting — Straight (Incl. Ref. #9 & 11)	1
11	237-22	Seal — O-Ring	7
12	66-3130	Fitting — Tee (Incl. Ref. #9)	1
13	2412-36	Clamp — Hose	2
14	66-8150	Hose — Hydraulic	1
15	321-11	Screw — Cap Hex Hd.	2
16	340-77	Fitting — 90° Elbow (Incl. Ref. #9 & 11)	2
17	2411-37	Joint — Ball L.H.	1
18	3220-21	Nut — Jam L.H.	1
19	66-2680	Rod — Tie	1
20	3220-13	Nut — Jam R.H.	1
21	282-26	Clevis	1
22	3296-51	Nut — Lock	2
23	66-8190	Hydraulic Hose Assembly	1
24	3272-23	Pin — Cotter	2
25	27-4310	Pin — Pivot	2
26	3256-22	Washer — Flat	2

Ref. No.	Part No.	Description	No. Used
27	3253-3	Washer — Lock	2
28	321-2	Screw — Cap Hex. Hd.	2
29	340-86	Fitting — Tee (Incl. Ref. #9 & 11) (Used on Cap End of Left Cylinder)	1
*	340-77	Fitting — 90° Elbow (Incl. Ref. #9 & 11) (Used on Cap End of Right Cylinder)	1
30	304-99	Fitting — 90° Elbow (Incl. Ref. #31)	2
31	237-22	Seal — O-Ring	2
32	3272-23	Pin — Cotter	4
33	63-6630	Cylinder — Lift	2
34	27-4240	Pin — Cylinder	2
35	328-20	Screw — Cap Hex Hd.	2
36	66-8640	Hydraulic Hose Assembly	1
37	3296-42	Nut — Lock	2
38	340-70	Nut — Fitting	1
39	340-71	Fitting — Bulkhead (Incl. Ref. #11 & 38)	1
40	63-7410	Bracket — Bulkhead	1
41	321-4	Screw — Cap Hex Hd.	1
42	322-9	Screw — Cap Hex Hd.	1
43	3253-4	Washer — Lock	1
44	3256-23	Washer — Flat	1
45	3296-12	Nut — Lock	1
46	3290-126	Screw Cap Hex Hd.	1

*Not Illustrated

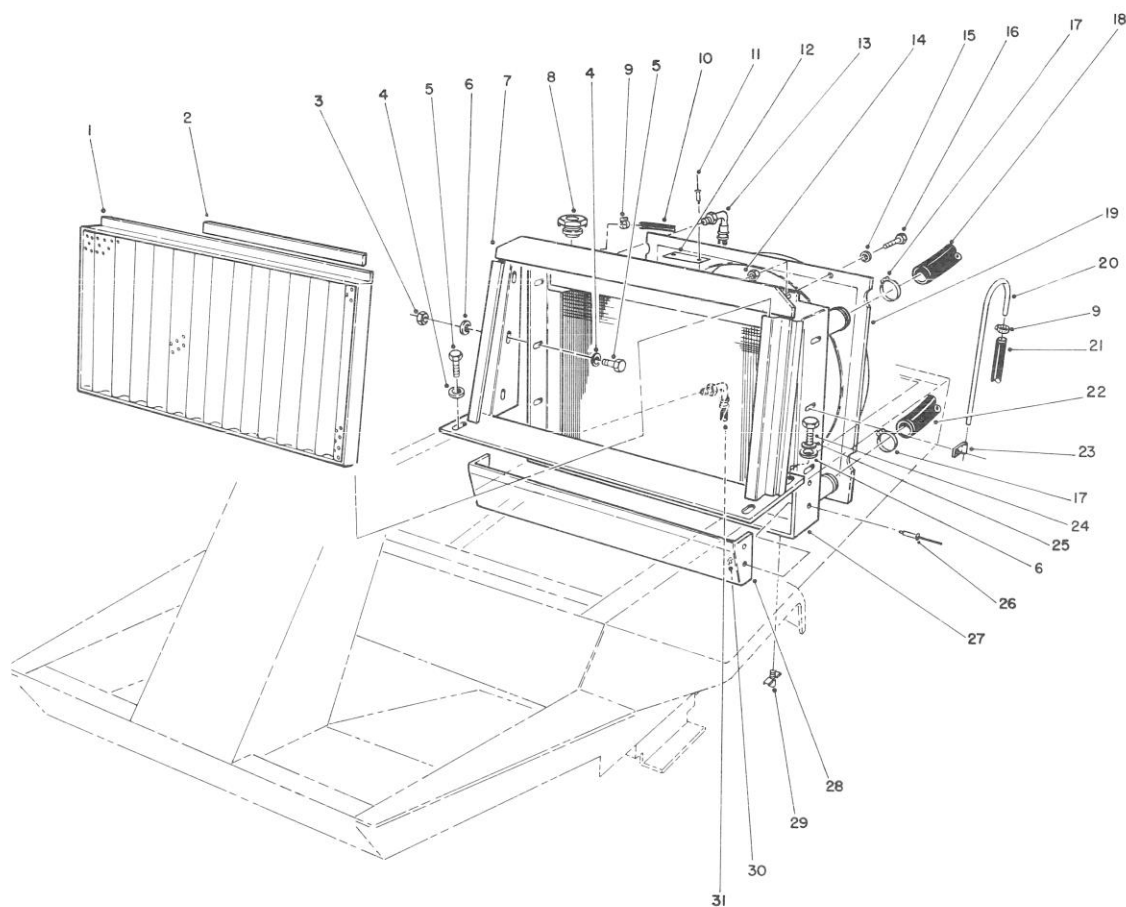


LIFT VALVE ASSEMBLY NO. 63-7960

Ref. No.	Part No.	Description	No. Used
1	58-6320	Wiper Seal	1
2	58-6450	O-Ring	2
3		Spool	1
4		Body	1
5	58-6400	Bushing	1
6	65-2770	Washer	1
7	65-2950	Spring	1
8	58-6420	Cap Assembly	1

Ref. No.	Part No.	Description	No. Used
9	58-6460	Retaining Ring	1
10	65-2740	Spacer	1
11	65-2750	Plunger	1
12	65-2760	Spring	1
13	65-2930	Plug Assembly	1
14	58-6710	Plug Assembly	1
*	63-7960	Lift Valve Assembly (Incl. Ref. #3 & 4)	1

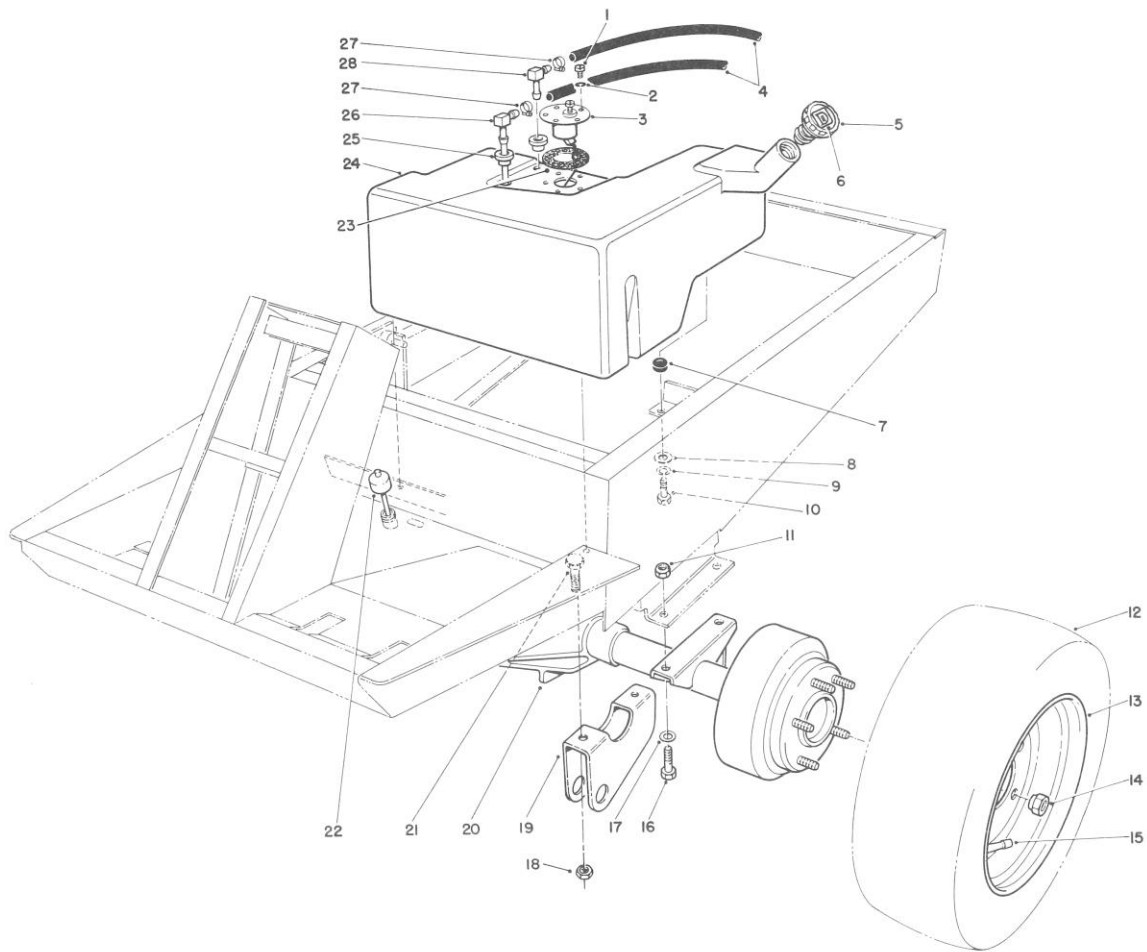
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RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7700	Screen Frame Assembly	1
2	63-7710	Magnetic Strip	1
3	3296-29	Nut — Hex	6
4	3256-70	Washer, Flat	2
5	322-45	Screw — Hex	2
6	3256-23	Washer, Flat	10
7	63-6450	Radiator Support Assembly	1
8	66-3240	Cap — Radiator	1
9	2412-36	Clamp, Hose	4
10	63-7720	Hose	1
11	3290-271	Rivet	2
12	67-1650	Plate — Warning	1
13	66-8180	Hose Assembly	1
14	3296-42	Nut	4
15	3256-22	Washer, Flat	4
16	321-4	Capscrew	4

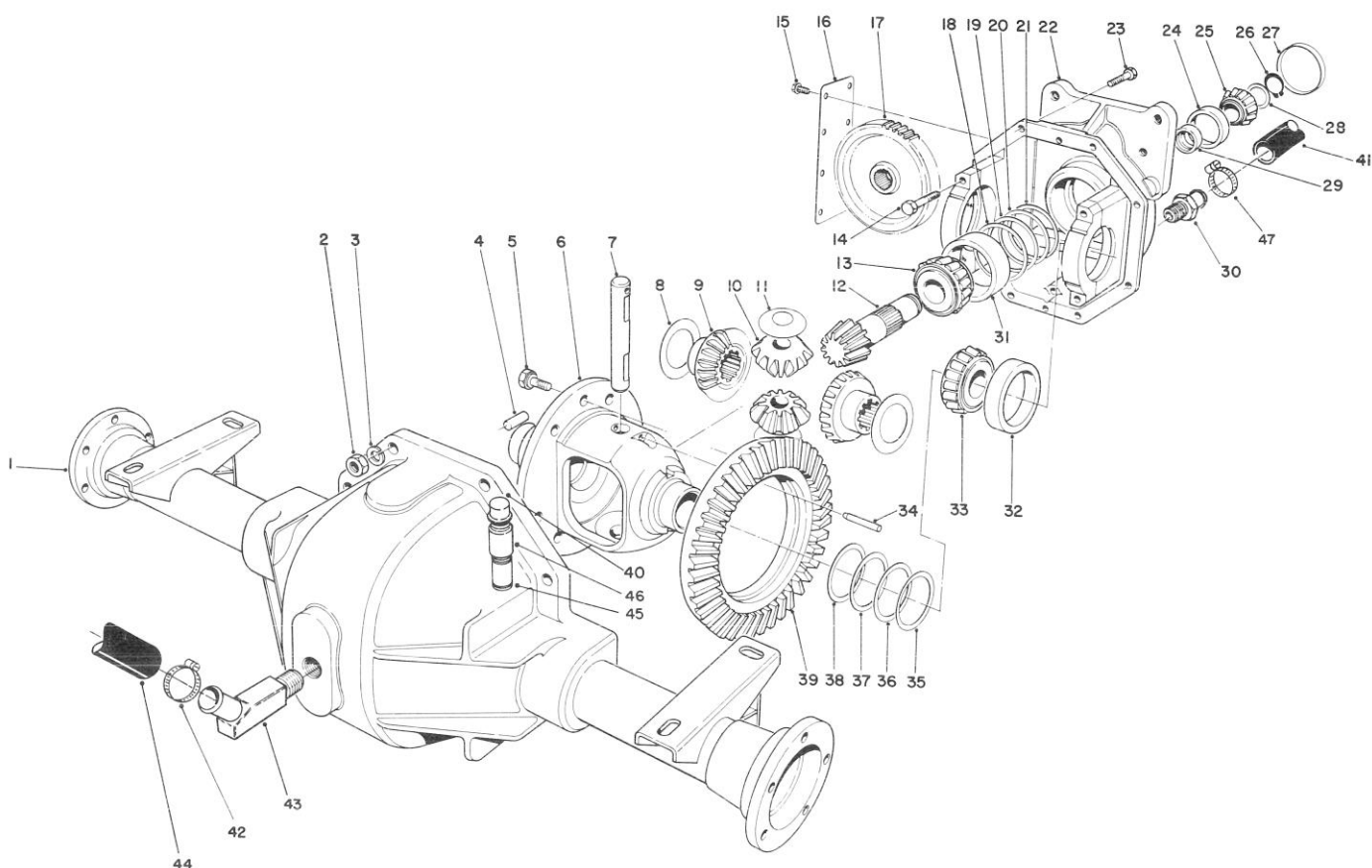
Ref. No.	Part No.	Description	No. Used
17	2412-3	Clamp, Hose	4
18	63-6010	Hose, Upper	1
19	63-6510	Shroud — Fan	1
20	66-3180	Tube	1
21	66-3170	Hose	1
22	63-6020	Hose, Lower	1
23	2412-103	R-Clamp	2
24	322-3	Capscrew	8
25	3253-4	Washer — Lock	2
26	3290-55	Pop — Rivet	7
27	63-6150	Radiator Assembly	1
28	63-6440	Shield — Radiator	1
29	309-46	Drain Cock	1
30	3256-13	Washer — Flat	7
31	66-8500	Hose Assembly	1



FUEL TANK AND AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32122-24	Screw — Machine	5
2	3253-15	Washer — Lock	5
3	63-7640	Sender — Fuel	1
4	63-7630	Hose	2
5	63-8220	Cap — Gas	1
6	63-4490	Decal — Fuel Cap	1
7	237-136	Grommet	3
8	3256-22	Washer — Flat	3
9	3253-3	Washer — Lock	3
10	321-5	Screw — Hex Hd.	3
11	3296-48	Nut — Hex	4
12	231-101	Tire	2
13	217-117	Rim	2
14	23-7270	Nut — Lug	10

Ref. No.	Part No.	Description	No. Used
15	232-31	Valve Stem w./Cap	2
16	324-5	Screw — Hex Hd.	4
17	3256-25	Washer — Flat	4
18	3296-14	Nut — Hex	4
19	67-1830	Carrier Bracket	2
20	63-6060	Axle Assembly	1
21	3214-5	Screw — Hex	4
22	66-3060	Dipstick — Differential	1
23	62-7650	Gasket	1
24	63-7370	Tank — Fuel	1
25	46-6560	Bushing	2
26	66-8120	Standpipe	1
27	2412-36	Clamp	12
28	46-6550	Connector 90°	1

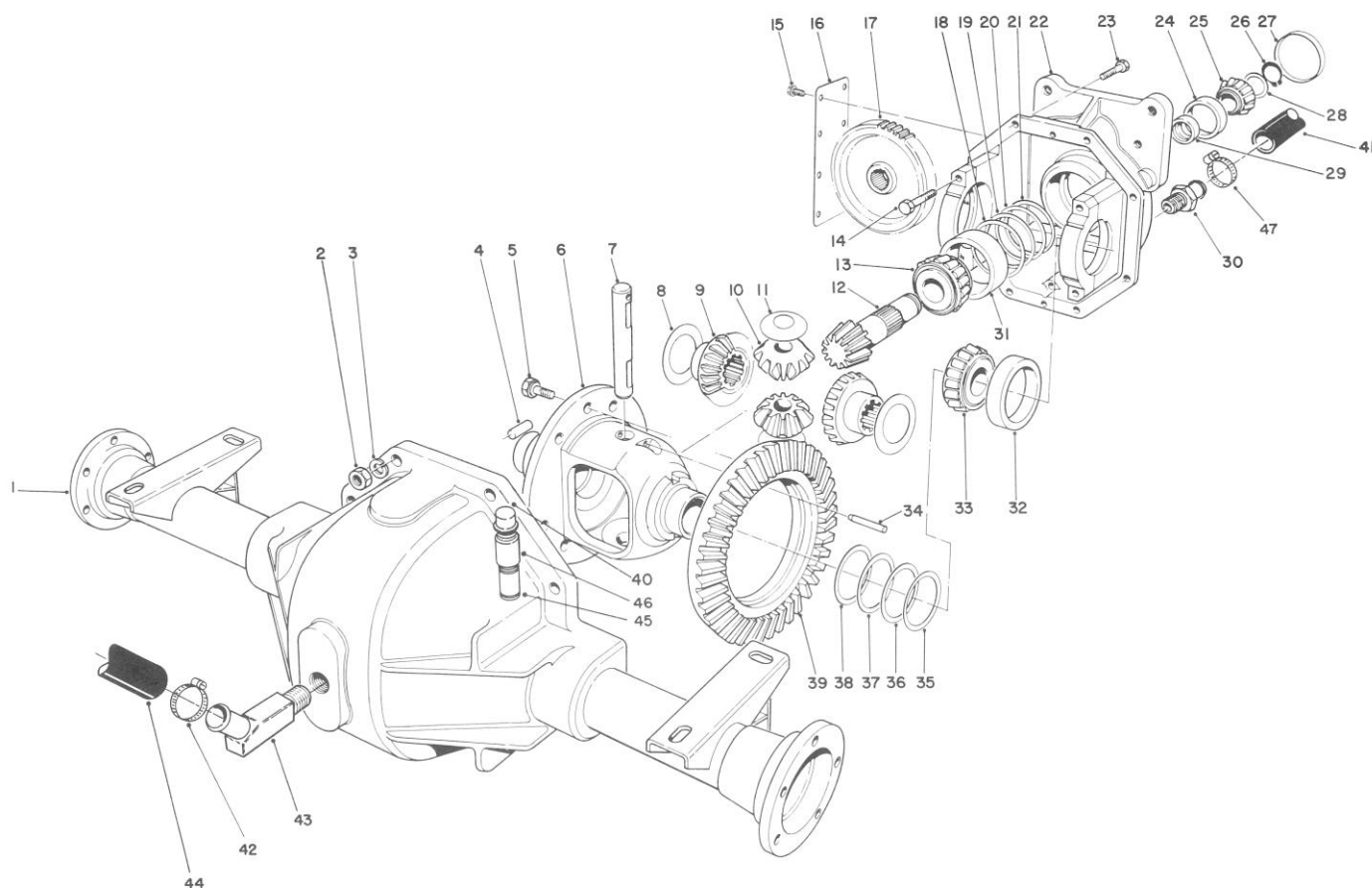


DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-8090	Lower Housing Assembly	1
2	3219-2	Nut	8
3	3255-8	Lockwasher	8
4	21-8270	Dowel Pin	2
5	21-7770	Drive Gear Screw	5
6	21-7670	Differential Case	1
7	21-7700	Pinion Mate Shaft	1
8	21-7720	Thrust Washer	2
9	24-8790	Differential Bevel Side Gear	2
10	21-7690	Pinion Gear	2
11	21-7730	Thrust Washer	2
12		Drive Pinion	1
13	43-6760	Tapered Roller Bearing Cone	1
14	324-23	Capscrew	4
15	12-5450	Thread Forming Screw	8
16	21-7830	Gear Cover	1
17	21-8150	Spur Gear	1
18	43-6710	Shim Adjusting Differential Bearing .003	A/R
19	43-6711	Shim Adjusting Differential Bearing .005	A/R
20	43-6712	Shim Adjusting Differential Bearing .010	A/R

Ref. No.	Part No.	Description	No. Used
21	43-6713	Shim Adjusting Differential Bearing .030	A/R
22	43-6860	Upper Housing Assembly (Incl. Ref. #14)	1
23	3210-7	Capscrew	8
24	254-90	Bearing Cup	1
25	254-91	Bearing Cone	1
26	43-6550	Retaining Ring	1
27	21-7850	Cap Plug	1
28	46-2210	Shim Front Pinion Bearing (.031)	A/R
*	46-2211	Shim Front Pinion Bearing (.033)	A/R
*	46-2212	Shim Front Pinion Bearing (.035)	A/R
*	46-2213	Shim Front Pinion Bearing (.037)	A/R
*	46-2214	Shim Front Pinion Bearing (.039)	A/R
*	46-2215	Shim Front Pinion Bearing (.041)	A/R
*	46-2216	Shim Front Pinion Bearing (.043)	A/R

*Not Illustrated

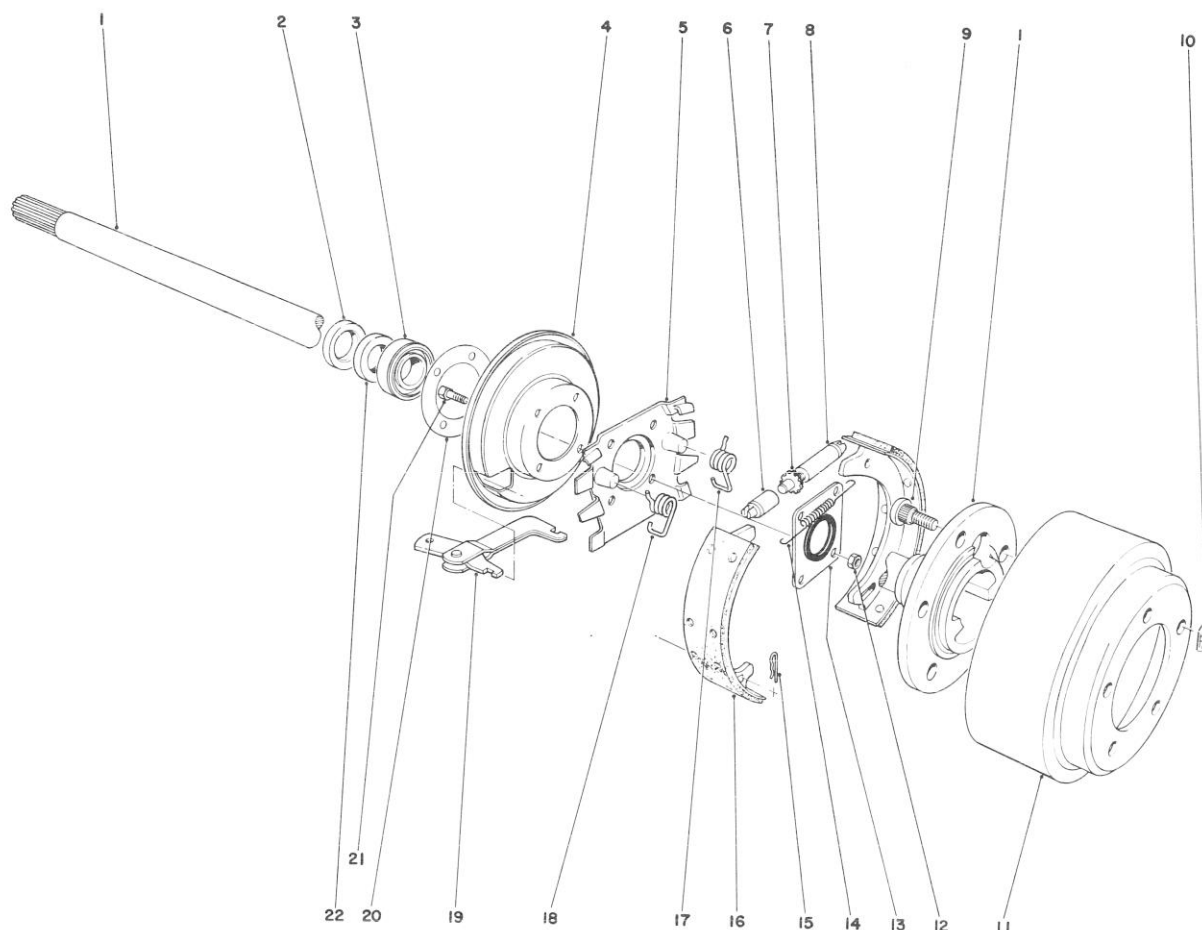


DIFFERENTIAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*	46-2220	Shim Front Pinion Bearing (.045)	A/R
*	46-2221	Shim Front Pinion Bearing (.047)	A/R
*	46-2222	Shim Front Pinion Bearing (.049)	A/R
*	46-2223	Shim Front Pinion Bearing (.051)	A/R
*	46-2224	Shim Front Pinion Bearing (.053)	A/R
*	46-2225	Shim Front Pinion Bearing (.055)	A/R
*	46-2226	Shim Front Pinion Bearing (.057)	A/R
29	21-8020	Front Pinion Bearing Spacer	1
30	353-980	Fitting — Straight	1
31	43-6750	Tapered Roller Bearing Cup	1
32	254-66	Cup — Tapered Bearing	2

Ref. No.	Part No.	Description	No. Used
33	254-65	Cone — Tapered Bearing	2
34	32121-15	Roll Pin	1
35	21-8090	Differential Adjust. Shim. .003	A/R
36	21-8100	Differential Adjust. Shim. .005	A/R
37	21-8110	Differential Adjust. Shim. .010	A/R
38	21-8120	Differential Adjust. Shim. .030	A/R
39		Ring Gear	1
40	46-3330	Vent Assembly	1
41	66-8130	Hose — Hydraulic	1
42	2412-34	Clamp — Hose	2
43	66-8740	Pipe Nipple	1
44	66-3140	Tube — Fill	1
*	43-6510	Gear & Pinion Assembly (Incl. Ref. #12 & 39)	1
45	289-6	Pipe Nipple	1
46	2810-1	Coupler	1
47	2412-36	Clamp — Hose	2

*Not Illustrated

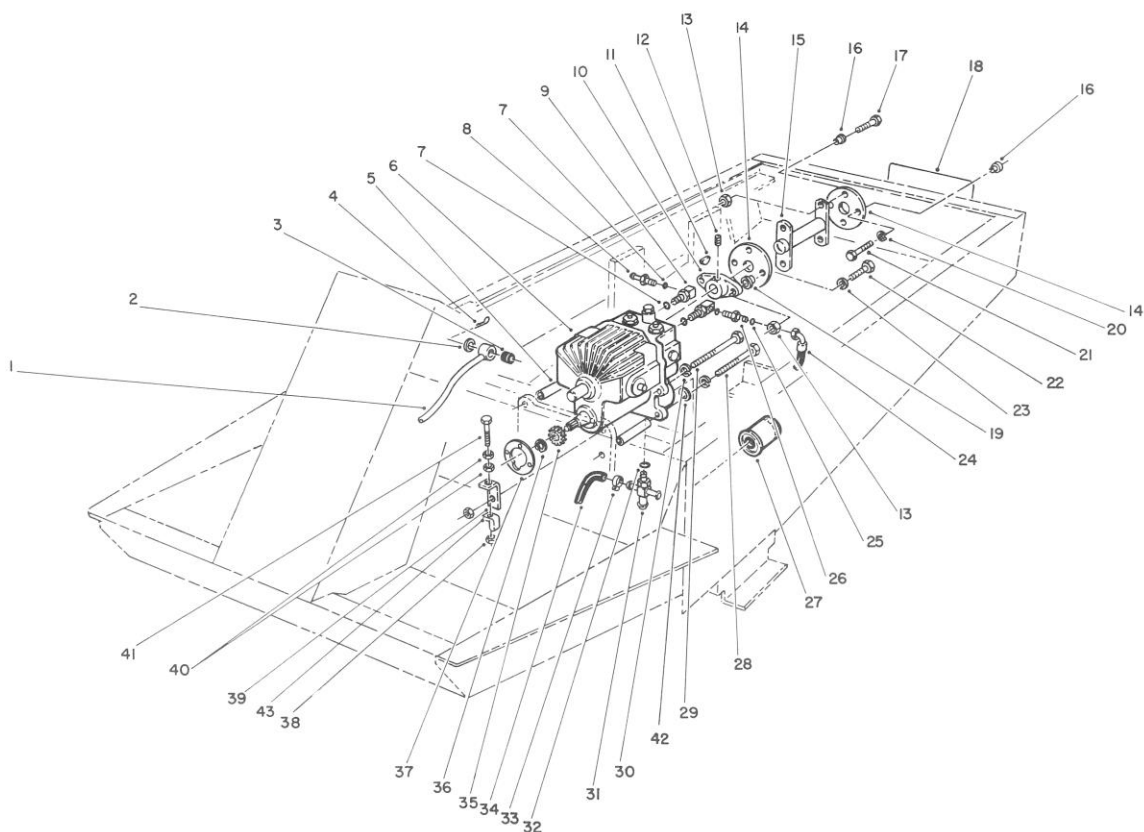


BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	27-6861	Axle Shaft Flanged L.H.	1
*	27-6851	Axle Shaft Flanged R.H.	1
2	21-8330	Oil Seal	2
3	21-8180	Bearing — Tapered Roller	2
4	21-9450	Dust Shield	2
5	43-6810	Torque Spider	2
6	21-9390	Socket — Adjusting Screw	2
7	21-9370	Adjusting Screw	2
8	21-9380	Pivot Nut	2
9	242-34	Axle Flange Stud	10
10	21-8360	Clip Retaining	2
11	28-0680	Brake Drum	2

Ref. No.	Part No.	Description	No. Used
12	43-6800	Locknut — Flange Hd.	8
13	28-0670	Oil Seal	2
14	21-9440	Spring — Adjusting Screw	2
15	21-9460	Retainer — Parking Brake Lever	4
16	43-2690	Shoe & Lining Ass'y.	4
17	21-9420	Spring — Shoe Return L.H.	2
18	21-9430	Spring — Shoe Return R.H.	2
19	24-9180	Strut & Lever Parking Brake	2
20	21-8320	Gasket Wheel Bearing	2
21	28-0660	Capscrew	8
22	24-8840	Ring Wheel Bearing	2

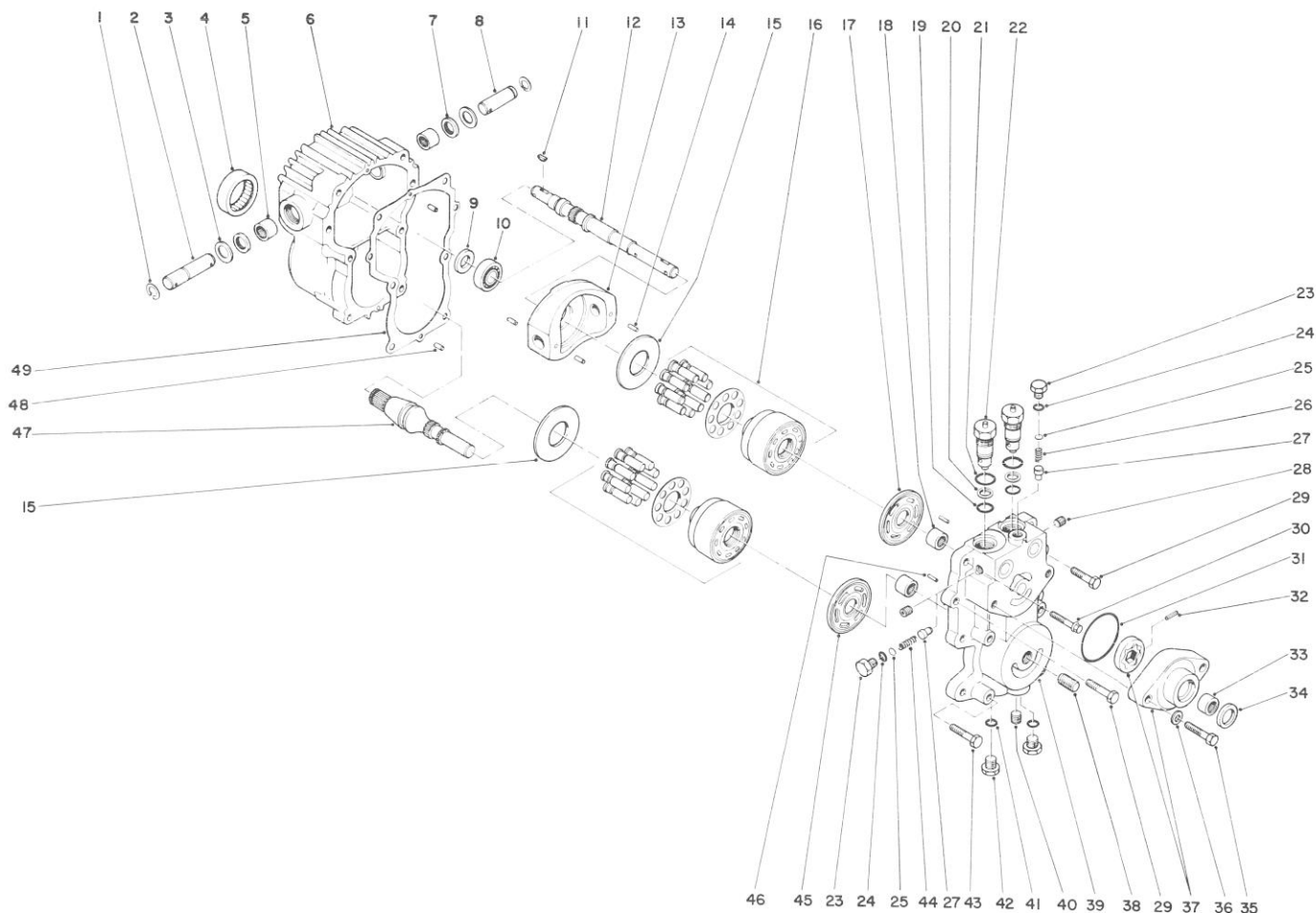
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TRANSMISSION & DRIVE COUPLING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-6410	Pump Control Tube	1
2	3256-26	Washer — Flat	1
3	23-2270	Bushing — Rubber	1
4	3272-10	Pin — Cotter	1
5	27-3680	Spacer — Mounting	4
6	49-7910	Transmission	1
7	237-65	O-Ring	4
8	353-979	Hose Barb	1
9	66-3110	Hyd. Fitting	2
10	27-4370	Pump Hub	1
11	3257-5	Woodruff Key	1
12	3245-1	Set Screw	2
13	32152-5	Nut — Lock	6
14	44-2230	Coupling — Rubber	2
15	63-6610	Drive Shaft	1
16	27-6600	Spacer — Rubber	6
17	3210-5	Capscrew	4
18	62-7400	Decal — Toro	1
19	27-6590	Spacer	2
20	42-9850	Lockwasher	2
21	66-3160	Capscrew	2
22	3210-8	Capscrew	2

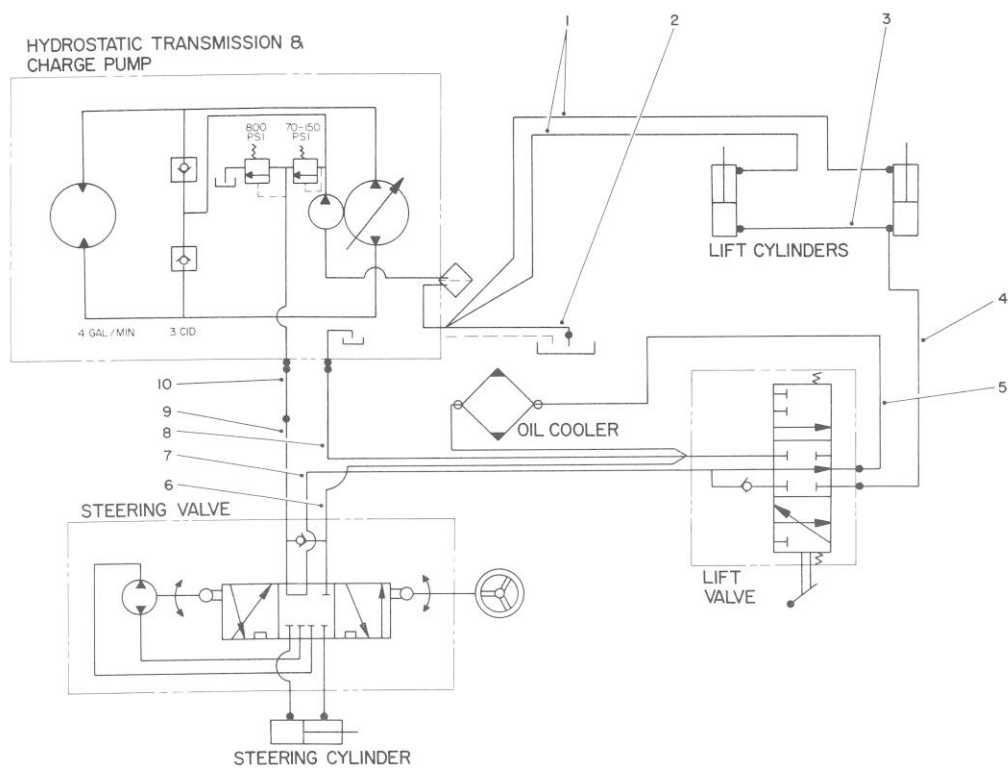
Ref. No.	Part No.	Description	No. Used
23	3256-23	Washer — Flat	2
24	66-8490	Hose Assembly	1
25	237-30	O-Ring	1
26	353-979	Fitting	1
27	23-2300	Oil Filter	1
28	323-39	Capscrew	3
29	27-9620	Capscrew	1
30	3253-21	Lockwasher	4
31	66-3120	Hyd. Fitting — Cross	1
32	237-80	O-Ring	1
33	2412-36	Hose Clamp	4
34	60-8160	Hose	2
35	23-4810	Spur Gear	1
36	32120-72	Snap Ring	1
37	27-3690	Gasket — Transmission	1
38	3296-39	Nut — Lock	2
39	63-7170	Anchor — Transmission	1
40	3218-3	Nut — Jam	2
41	67-1900	Capscrew	1
42	3256-24	Washer Flat	2
43	67-7210	R-Clamp	1



TRANSMISSION ASSEMBLY 49-7910

Ref. No.	Part No.	Description	No. Used
1	32151-46	Retaining Ring	2
2	25-2500	Trunnion Shaft	1
3	25-2510	Washer	2
4	28-3300	Roller Bearing	1
5	28-3310	Needle Bearing	2
6	49-7870	Housing	1
7	25-3210	Lip Seal	2
8	28-3670	Trunnion Shaft	1
9	28-3660	Lip Seal	1
10	28-3650	Ball Bearing	1
11	3257-5	Woodruff Key	2
12	28-3640	Pump Shaft	1
13	49-7820	Variable Swashplate	1
14	32121-91	Pin	3
15	25-2380	Thrust Plate	2
16	48-1800	Cylinder Block Kit	2
17	46-7320	Pump Valve Plate	1
18	25-3300	Needle Bearing	2
19	28-3590	"O" Ring	2
20	28-3580	Back Up Ring	2
21	28-3570	"O" Ring	2
22	49-7830	Check Valve Assembly (Incl. Ref. #19-21)	2
23	25-2460	Hex Hd. Plug	2
24	28-3400	"O" Ring	2
25	25-2470	Shim Pack	A/R

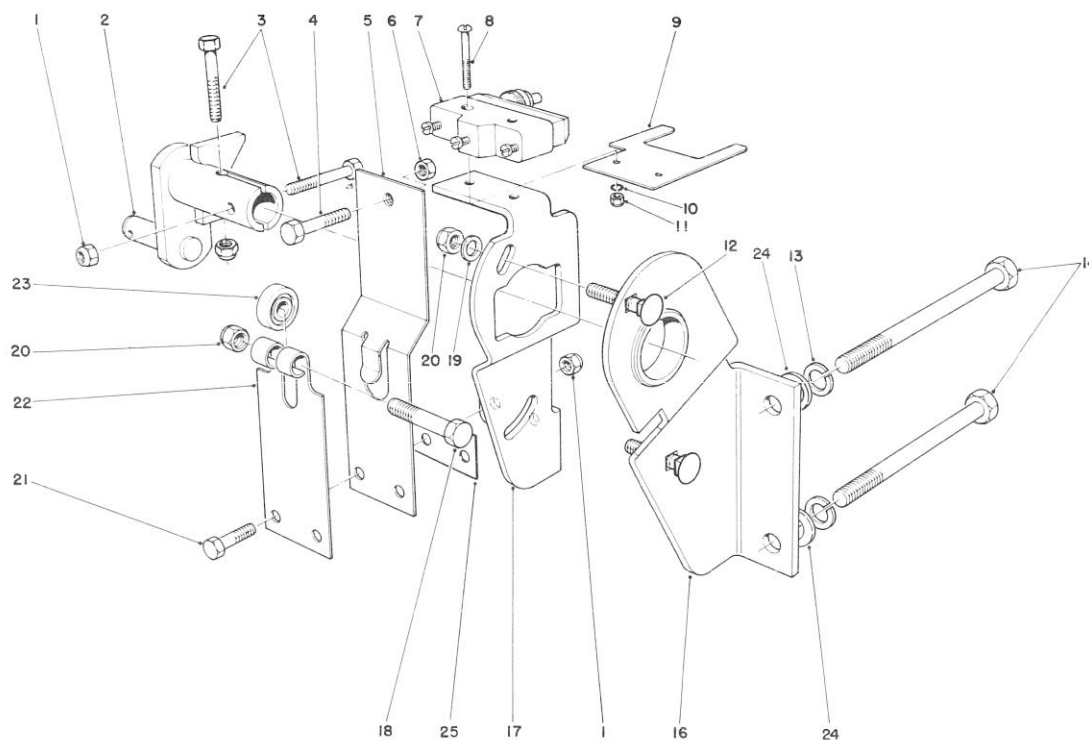
Ref. No.	Part No.	Description	No. Used
26	46-7310	Relief Valve Spring Imp.	1
27	28-3420	Relief Valve Cone Chg.	2
28	285-17	Pipe Plug	4
29	323-8	Capscrew	2
30	28-3530	Capscrew	2
31	28-3520	"O" Ring	1
32	38-2680	Pin	1
33	28-3480	Needle Bearing	1
34	28-3470	Lip Seal	1
35	324-23	Hex Hd. Capscrew	2
36	28-3450	Flat Washer	2
37	38-2670	Charge Pump Kit (Incl. Ref. #31-34)	1
38	25-2660	Filter Union	1
39	49-7850	Center Section	1
40	46-7280	Plug — Pipe	1
41		"O" Ring	2
42	28-3440	Threaded Plug (Incl. Ref. #41)	2
43	323-10	Capscrew	4
44	25-2480	Relief Valve Spring Chg.	1
45	28-3380	Motor Valve Plate	1
46	25-2430	Pin	2
47	49-8200	Motor Shaft	1
48	28-3350	Pin	2
49	28-3340	Gasket	1



HYDRAULIC SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	66-8160	Hose	2
2	66-8130	Hose	1
3	66-8190	Hose	1
4	66-8640	Hose	1
5	66-8180	Hose	1

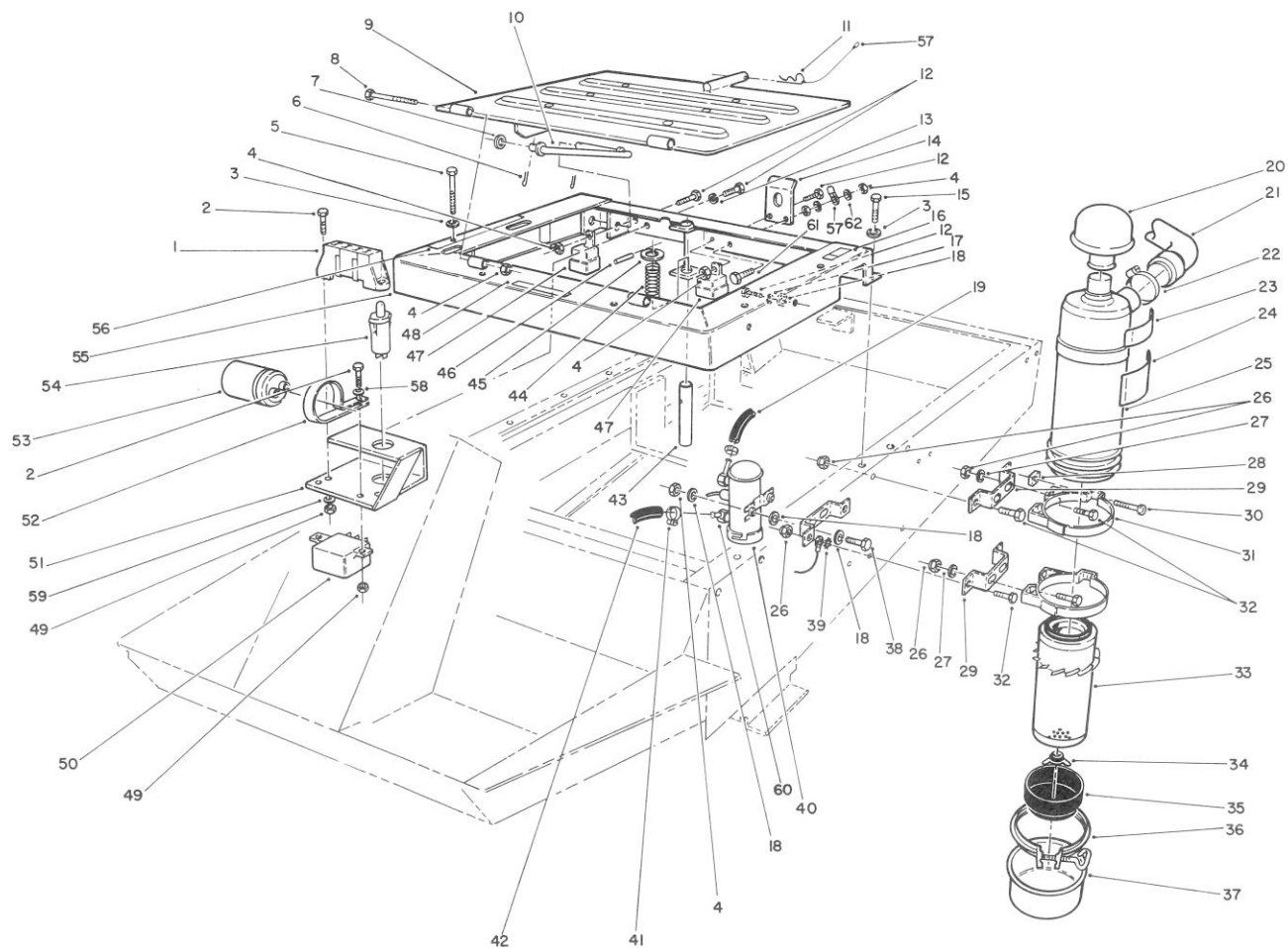
Ref. No.	Part No.	Description	No. Used
6	66-8150	Hose	1
7	66-8630	Tube	1
8	66-8500	Hose	1
9	66-8620	Hose	1
10	66-8490	Hose	1



TRANSMISSION INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3296-42	Nut — Lock	4
2	29-9790	Pump Lever	1
3	321-9	Capscrew	2
4	3210-7	Screw — Cap Hex Hd.	1
5	29-6170	Extended Leaf Spring	1
6	3219-2	Nut Hex	1
7	29-6160	Micro Switch	1
8	3249-11	Screw — Machine, Round Head	2
9	46-8810	Stop — Leaf Spring	1
10	3254-9	Washer — Lock Internal Tooth	2
11	3217-16	Nut — Hex	2
12	3230-2	Carriage — Bolt	2

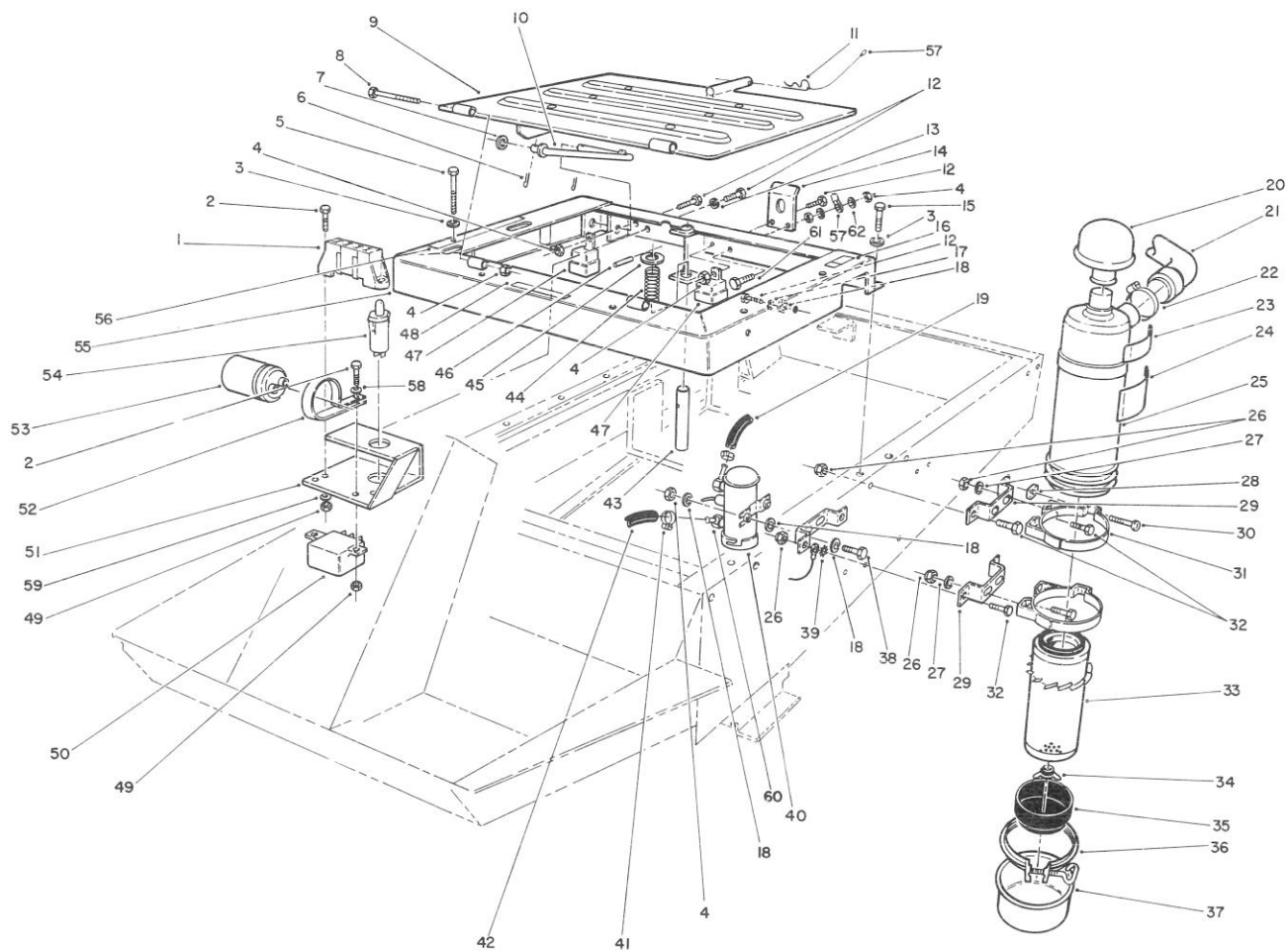
Ref. No.	Part No.	Description	No. Used
13	3253-21	Washer — Lock	2
14	323-39	Screw — Cap Hex. Hd.	2
16	52-8890	Mounting Bracket	2
17	52-9070	Pump Plate	1
18	322-17	Screw — Cap Hex. Hd.	1
19	3256-2	Washer	2
20	3296-29	Nut — Lock	3
21	321-4	Screw — Cap Hex. Hd.	2
22	29-6150	Leaf Spring	1
23	251-259	Ball Bearing	1
24	3256-24	Washer Flat	4
25	51-3150	Shim	1



SEAT FRAME & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-7160	Fuse Block	1
2	3290-126	Capscrew	4
3	3256-70	Washer — Flat	8
4	3296-42	Nut	9
5	322-33	Capscrew	6
6	3272-11	Cotter Pin	2
7	3256-24	Washer, Flat	1
8	321-15	Capscrew	2
9	63-7080	Plate Seat	1
10	66-2800	Rod — Seat Support	1
11	3290-255	Hair Pin, Cotter	1
12	321-4	Capscrew	11
13	3253-3	Lockwasher	2
14	66-2630	Latch — Seat	1
15	322-45	Capscrew	2
16	52-1320	Decal — Diesel Fuel Only	1
17	3253-3	Lockwasher	4
18	3256-22	Washer — Flat	6
19	63-7620	Hose	1
20	27-7180	Cap Assembly	1
21	63-6040	Hose — Air Cleaner Inlet	1
22	2412-42	Hose Clamp	2
23	67-1700	Decal — Starting Fluid	1

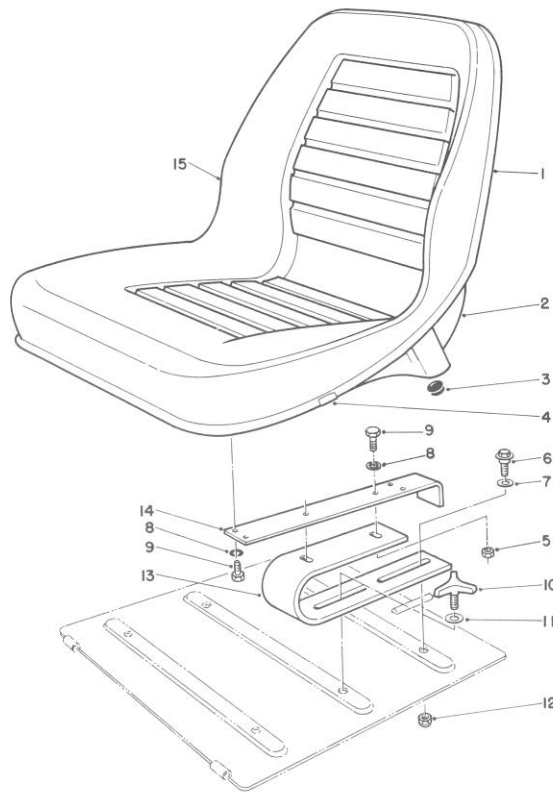
Ref. No.	Part No.	Description	No. Used
24	27-7160	Decal — Instructions	1
25	27-7100	Air Cleaner Assembly (Incl. Ref. #24 & 32-36)	1
26	3256-23	Nut — Lock	8
27	3256-2	Washer — Flat	4
28	32107-11	Nut — Square	2
29	66-2450	Bracket — Air Cleaner	3
30	3258-19	Capscrew	2
31	27-7170	Mounting Band Assembly (Incl. Ref. #28 & 30)	2
32	322-5	Capscrew	8
33	27-7110	Element Assembly	1
34	27-7120	Nut & Gasket Assembly	1
35	27-7140	Skirt — Baffle	1
36	27-7130	Clamp Assembly	1
37	27-7150	Cup Assembly	1
38	321-8	Capscrew	2
39	3255-8	Lockwasher Ext. Tooth	1
40	53-8150	Fuel Pump	1
41	2412-36	Hose Clamp	4
42	63-7630	Hose	1
43	66-2590	Pin — Seat Spring	1
44	37-9590	Spring — Compression	1



SEAT FRAME & AIR CLEANER ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	3256-27	Washer — Flat	2
46	32121-6	Roll Pin	1
47	63-7590	Relay	2
48	67-1710	Decal — Interlock	1
49	3296-12	Nut	4
50	66-8800	Relay	1
51	66-2880	Bracket — Seat Switch	1
52	2412-74	R-Clamp	1
53	37-2690	Capacitor	1

Ref. No.	Part No.	Description	No. Used
54	66-2970	Switch — Seat	1
55	63-7290	Frame — Seat	1
56	66-8750	Decal — Control Levers	1
57	28-8070	Lanyard	1
58	3256-22	Washer — Flat	1
59	3255-7	Washer — Extended Tooth	2
60	67-1690	Fitting	2
61	321-6	Screw — Hex Hd.	1
62	3256-1	Washer — Flat	2

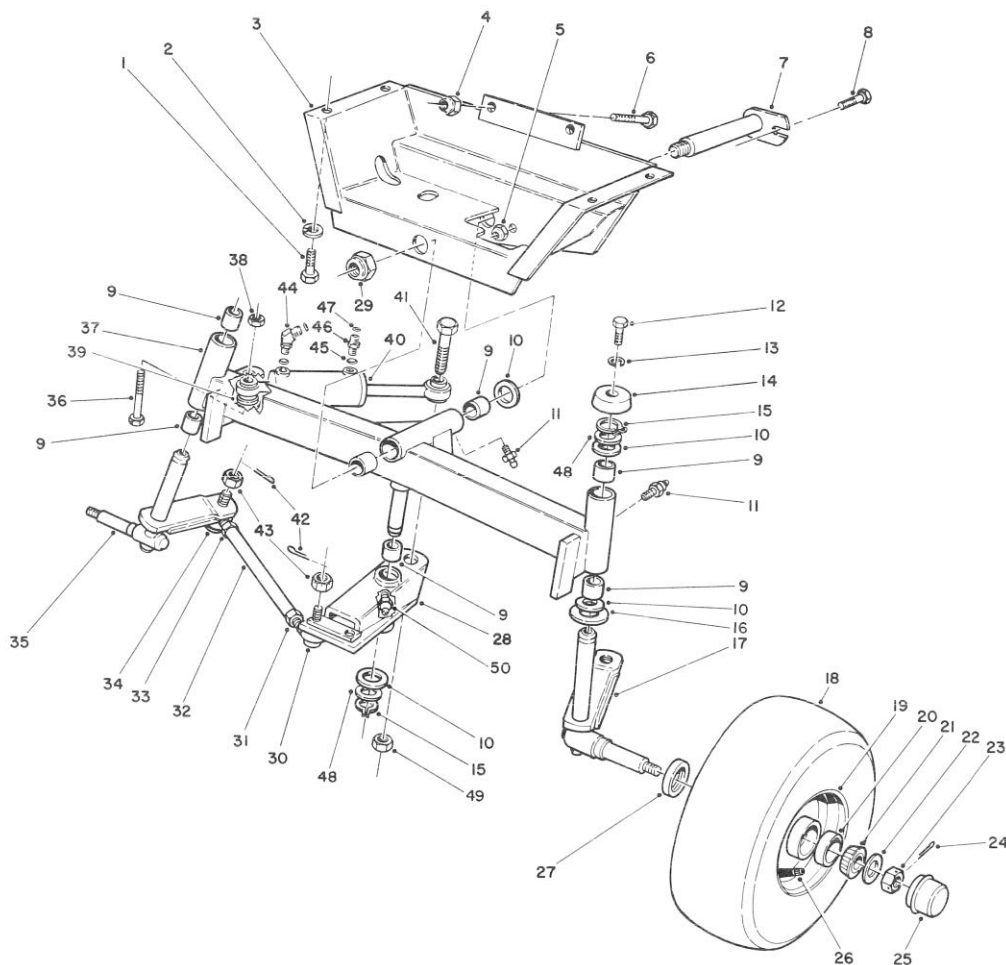


STANDARD SEAT KIT MODEL NO. 30769

Ref. No.	Part No.	Description	No. Used
1		Edging	1
2		Shell — Seat	1
3		Grommet	1
4		Clip	2
5	3217-6	Nut — Hex	4
6	27-5240	Bolt — Shoulder	2
7	3256-26	Washer — Flat	2
8	3253-4	Washer — Lock	8

Ref. No.	Part No.	Description	No. Used
9	322-5	Screw — Cap Hex. Hd.	8
10	27-4570	Handle — Adjustment	2
11	36-8020	Washer	2
12	3296-39	Nut — Lock	2
13	46-9110	Spring — Seat	2
14	46-9120	Mount — Seat	2
15		Cushion — Seat	1
*	66-5400	Seat Assembly	1

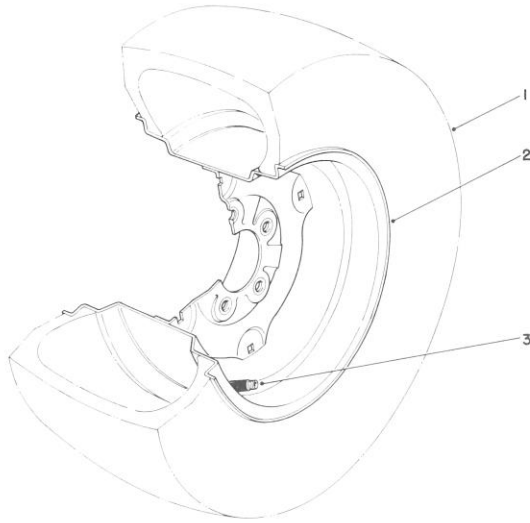
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REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	323-6	Screw — Cap Hex. Hd.	4
2	3253-5	Washer — Lock	4
3	63-6430	Frame — Rear	1
4	3296-25	Nut — Lock	2
5	3296-42	Nut — Lock	1
6	325-5	Screw — Cap Hex. Hd.	2
7	63-6770	Pin — Rear Axle	1
8	321-4	Screw — Cap Hex. Hd.	1
9	67-1750	Bushing	8
10	10-8110	Washer	6
11	302-5	Fitting — Grease	3
12	321-2	Screw — Cap Hex. Hd.	2
13	3253-3	Washer — Lock	2
14	66-2990	Cap — Spindle	2
15	32151-36	Ring — Retaining	3
16	256-121	Washer — Thrust	2
17	63-6090	Spindle — Wheel L.H.	1
18	231-105	Tire	2
19	217-118	Rim	2
20	254-72	Cup — Bearing	4
21	254-94	Cone — Bearing	4
22	3256-28	Washer — Flat	2
23	32136-5	Nut — Castle	2
24	3272-13	Pin — Cotter	2
25	241-119	Cap — Hub	2
26	232-35	Stem — Valve	2

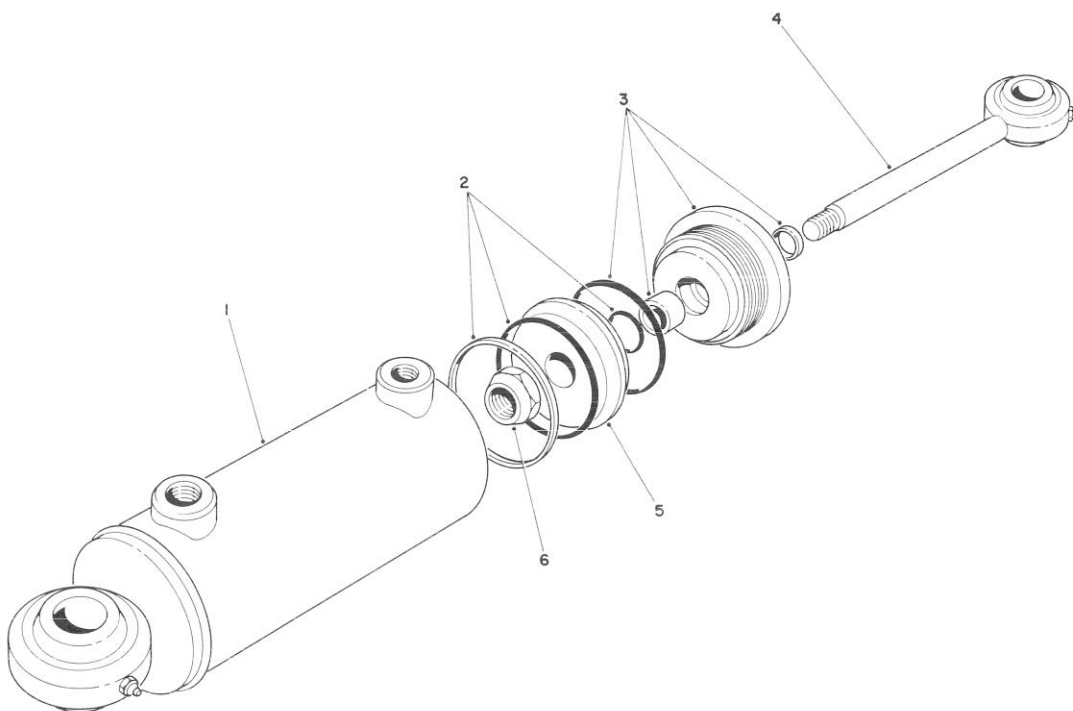
Ref. No.	Part No.	Description	No. Used
27	253-129	Seal — Hub	2
28	63-6570	Pivot — Steering (Incl. Ref. #9 & 50)	1
29	3296-51	Nut — Lock	1
30	21-0150	Joint — Ball L.H.	2
31	3220-12	Nut — Jam L.H.	2
32	63-6880	Rod — Tie	2
33	3220-5	Nut — Jam R.H.	2
34	21-0140	Joint — Ball R.H.	2
35	63-6100	Spindle — Wheel R.H.	1
36	67-7300	Screw Hex Hd.	1
37	63-6120	Axle — Rear (Incl. Ref. #9 & 11)	1
38	32153-6	Nut — Hex Lock	1
39	67-7250	Spacer Cyl.	1
40	63-6740	Cylinder — Steering	1
41	67-7240	Screw — Cap Hex. Hd.	1
42	3272-6	Pin — Cotter	4
43	32136-4	Nut — Castle	4
44	340-103	Fitting — 45° Elbow (Incl. Ref. #45 & 47)	1
45	237-22	Seal — O-Ring	2
46	340-92	Fitting — Straight	1
47	237-22	Seal — O-Ring	2
48	5-1226	Washer — Flat	A/R
49	3218-7	Nut Hex Jam	1
50	302-62	Fitting — Grease	1



TIRE & WHEEL ASSEMBLY 23 X 10.50 X 12 (Optional) NO. 62-7020

Ref. No.	Part No.	Description	No. Used
1	231-95	Tire	1
2	217-116	Rim	1

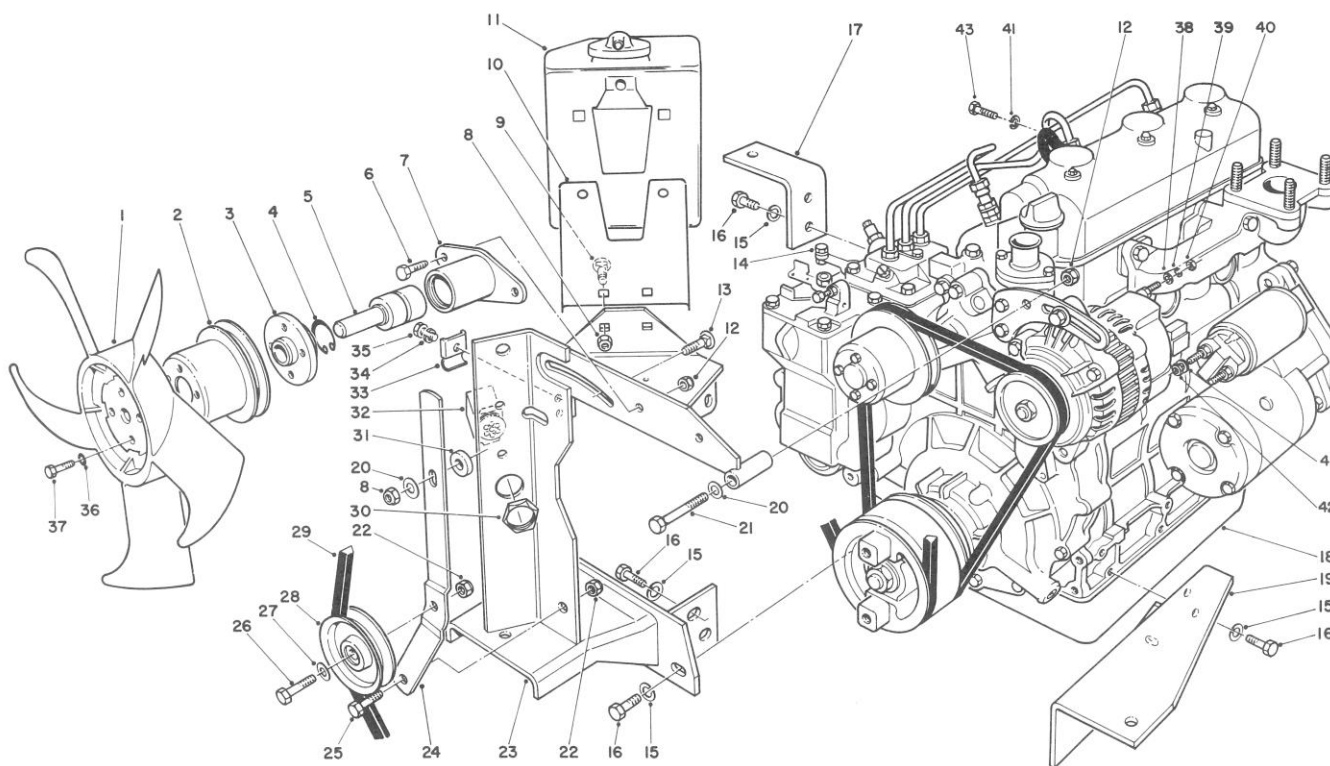
Ref. No.	Part No.	Description	No. Used
3	232-27	Valve Stem	1



HYDRAULIC CYLINDER NO. 63-6740

Ref. No.	Part No.	Description	No. Used
1	66-2770	Tube — Cylinder	1
2	66-1960	Kit — Seal	1
3	66-1950	Kit — Gland	1

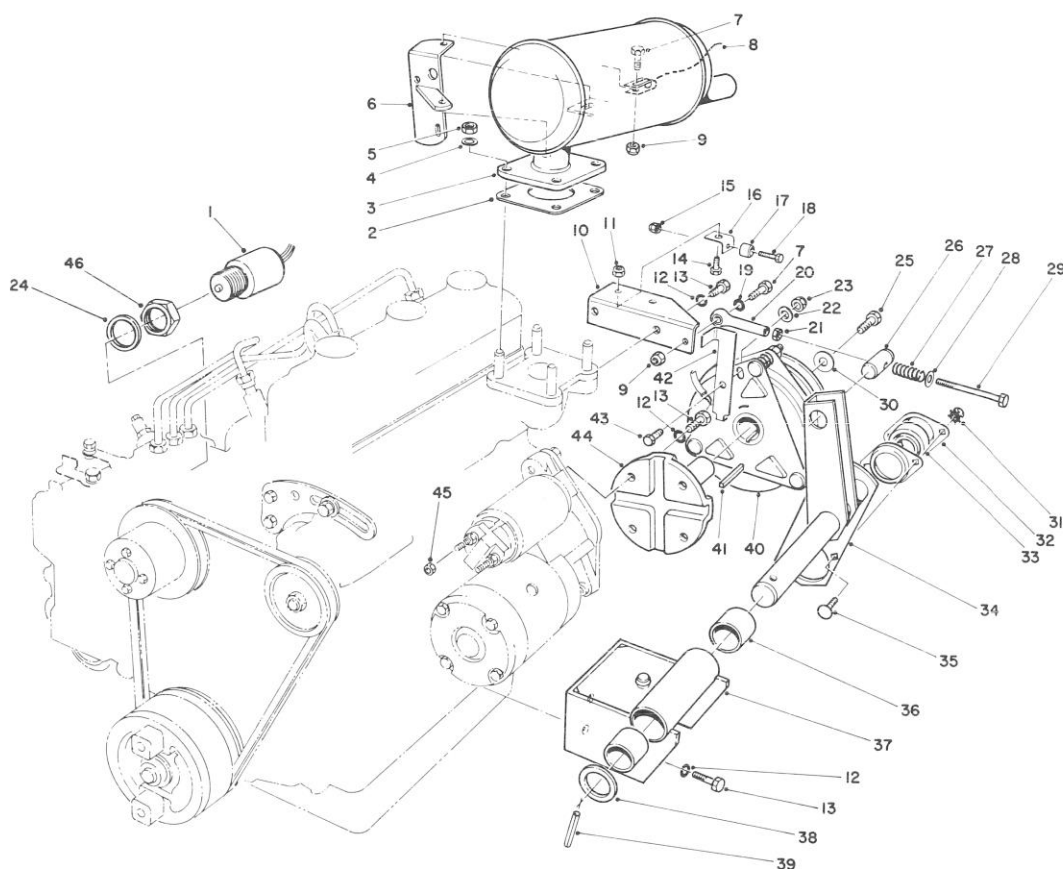
Ref. No.	Part No.	Description	No. Used
4	66-2760	Piston Rod Assembly	1
5	66-1940	Piston	1
6	66-1930	Nut — Lock	1



ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43-1910	Fan — Cooling	1
2	42-9070	Pulley — Fan	1
3	53-8680	Hub, Fan	1
4	32120-10	Ring, Retaining	1
5	36-7290	Shaft w/Bearing	1
6	322-4	Screw	2
7	66-2390	Hub W.A.	1
8	32149-1	Nut — Lock	3
9	3230-16	Carriage Bolt	2
10	66-2440	Plate, Reservoir	1
11	63-7380	Tank — Expansion	1
12	3296-29	Nut, Lock	3
13	3230-2	Carriage Bolt	1
14	63-6760	Swivel, Throttle Cable	1
15	48-9590	Washer, Lock	12
16	63-7790	Screw	12
17	63-6340	Angle, Engine Mount	1
18	63-7060	Engine	1
19	66-2320	Mount, Engine	1
20	3256-23	Washer	2
21	322-11	Screw	1
22	3296-44	Nut, Lock	2

Ref. No.	Part No.	Description	No. Used
23	63-8170	Bracket WA.	1
24	63-6720	Lever, Idler	1
25	323-6	Screw	1
26	323-8	Screw	1
27	3256-24	Washer	1
28	63-8140	Pulley	1
29	63-7130	Belt, Fan	1
30		Nut — Lock	1
31	27-9560	Spacer	1
32	66-8700	Indicator — Glow (Incl. Ref. #30)	1
33	3-6657	Clip — Skid	1
34	3253-4	Washer — Lock	1
35	322-4	Screw — Cap Hex. Hd.	1
36	3253-3	Washer, Lock	4
37	321-2	Screw	4
38	5-3637	Washer — Flat	1
39	43-5920	Washer — Lock	1
40	43-5970	Nut — Hex	1
41	42-9850	Washer — Lock	3
42	57-6390	Nut — Hex	2
43	48-7680	Screw — Hex	1

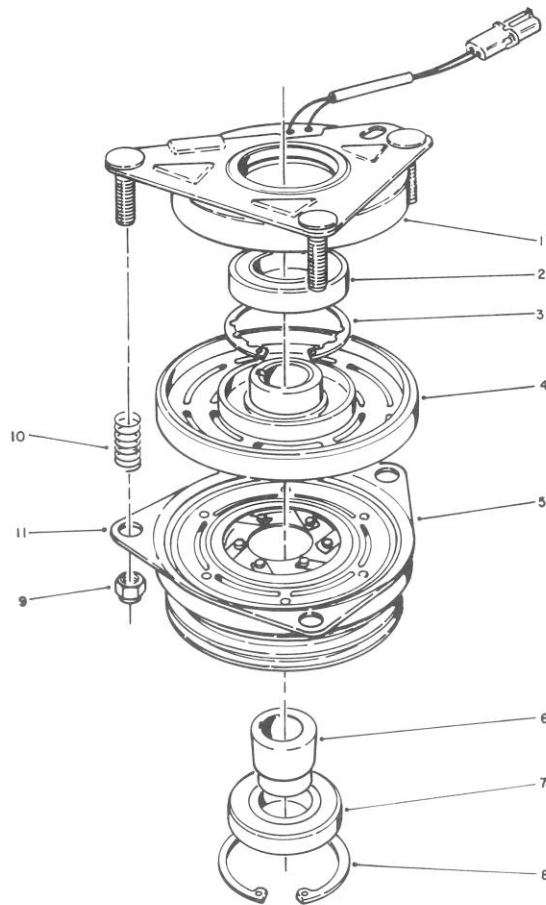


POWER TAKE-OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	63-7440	Solenoid — Stop	1
2	53-8130	Gasket — Exhaust	1
3	63-6810	Muffler	1
*	66-1540	Spark Arrester — Muffler (Optional)	1
4	42-9850	Washer — Lock	4
5	48-7930	Nut — Hex	4
6	66-2360	Muffler Support	2
7	322-5	Screw	2
8	66-2870	Cable, Hood Stop	1
9	3296-29	Nut, Lock	2
10	63-6700	Bracket	1
11	3296-42	Nut, Lock	2
12	48-9590	Washer, Lock	8
13	63-7790	Screw	8
14	321-3	Screw	2
15	3296-9	Nut, Lock	2
16	63-8230	Angle, Clutch Anchor	2
17	66-2910	Bumper, Rubber	2
18	3250-39	Screw, Pad Head	2
19	3256-23	Washer	1
20	66-2900	Tie Rod End	1
21	3220-2	Nut, Jam	1
22	3256-24	Washer, Flat	1

Ref. No.	Part No.	Description	No. Used
23	3296-44	Nut — Hex Lock	1
24	43-2740	Gasket	1
25	3212-5	Screw	1
26	63-6290	Pin, Tension	1
27	3-6624	Spring	1
28	4-2390	Washer	1
29	66-3100	Screw	1
30	67-1631	Spacer	1
31	32149-1	Nut, Keps	2
32	251-326	Flange, Bearing	2
33	251-253	Bearing	1
34	63-6250	Shaft, PTO Tension	1
35	3230-16	Bolt, Carriage	2
36	256-299	Bushing	2
37	67-1800	Pivot Plate (Incl. Ref. #36)	1
38	3-4324	Washer	1
39	32121-32	Roll Pin	1
40	63-6050	Clutch, Electric	1
41	63-8150	Key	1
42	63-6690	Lever, Clutch Anchor	1
43	323-24	Screw	1
44	63-6030	Hub, Clutch	1
45	57-6390	Nut — Hex	2
46	43-2750	Nut — Hex, Jam	1

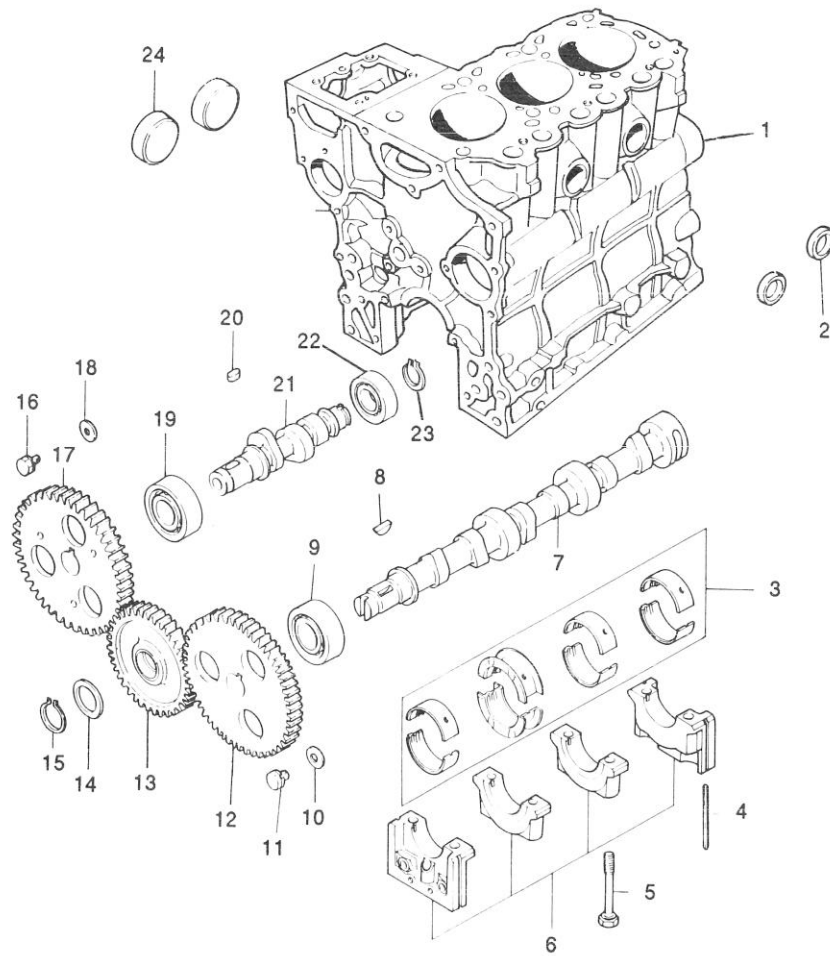
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CLUTCH ASSEMBLY NO. 63-6050

Ref. No.	Part No.	Description	No. Used
1	67-7050	Field Rotor Assy. (Incl. Ref. #2-4)	1
2		Bearing — Field	1
3		Retaining Ring	1
4		Field Coil, Rotor & Bearing Assembly	1
5	67-7070	Armature & Pulley Assembly (Incl. Ref. #3, 6, 7 & 8)	1

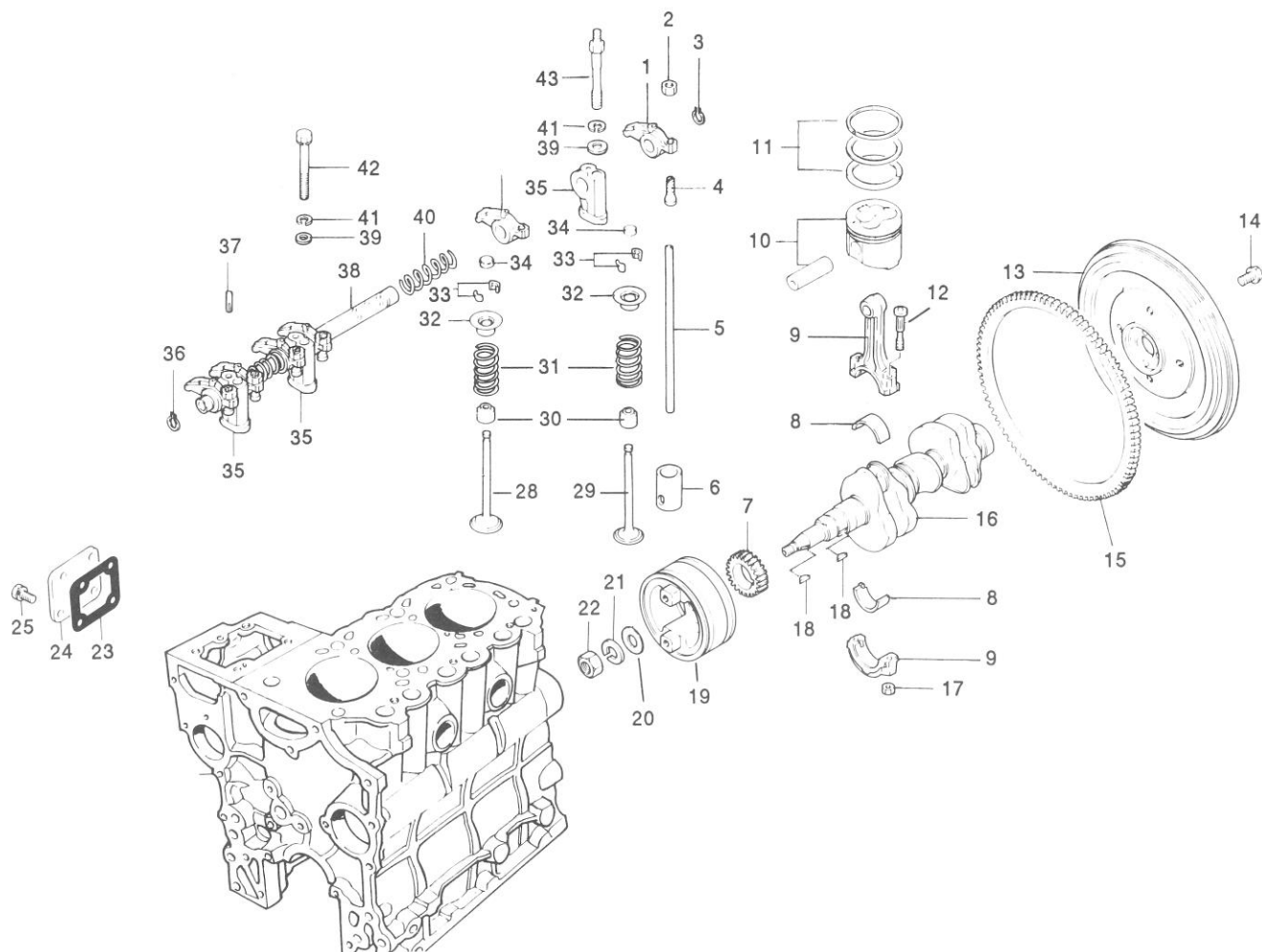
Ref. No.	Part No.	Description	No. Used
6	67-7080	Bearing Collar	1
7	67-7090	Bearing — Pulley	1
8	67-7060	Retaining Ring	1
9	3296-6	Locknut	3
10	44-8320	Spring	3
11	67-7100	Brake Plate	1



CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-2240	Block Sub-Assy (Incl. Ref. #2,5, 6 & 24)	1
2	42-7080	Cap	2
3	67-2400	Bearing Set STD	1
	67-2410	Bearing Set 0.25	1
	67-2420	Bearing Set 0.50	1
4	67-2200	Seal	4
5	67-2250	Bolt	8
6		Cap Assembly	1
7	67-3010	Cam Shaft	1
8	56-0480	Key, Woodruff	1
9	67-3030	Bearing	1
10	67-3000	Washer	1
11	42-9490	Bolt w/Washer	1

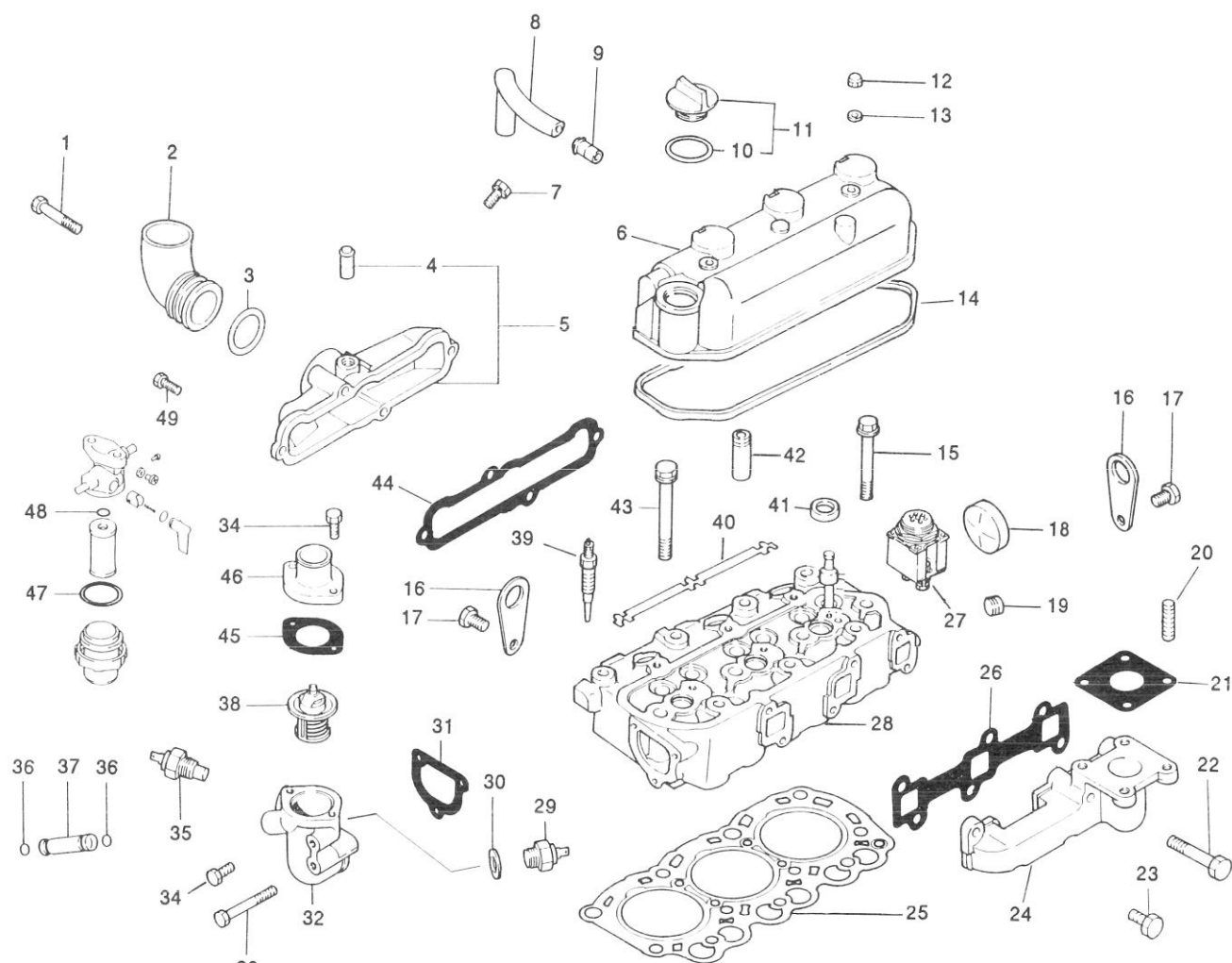
Ref. No.	Part No.	Description	No. Used
12	67-3020	Gear	1
13	67-3090	Gear Assembly	1
14	67-3040	Plate	1
15	56-1060	Snap Ring	1
16	42-9490	Bolt w/Washer	1
17	67-3070	Gear	1
18	67-3000	Washer	1
19	67-3030	Bearing	1
20	42-7840	Key	1
21	67-3060	Shaft	1
22	67-3050	Bearing	1
23	67-3080	Snap Ring	1
24	56-0020	Plug	3



VALVES AND CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3160	Arm, Rocker	6
2	67-3230	Nut, Jam	6
3	67-3040	Snap Ring	2
4	67-3210	Screw Adjusting	6
5	67-3150	Rod, Push	6
6	67-3120	Tappet	6
7	67-2910	Gear	1
8	67-2880	Bearing Set STD	3
	67-2890	Bearing Set 0.25 US	3
	67-2900	Bearing Set 0.50 US	3
9	67-2850	Rod Assembly, (Connecting) (Incl. Ref. #8, 9, 12 & 17)	3
10	68-8310	Piston & Pinset STD	3
	68-8320	Piston & Pinset 0.25 OS	3
	68-8330	Piston & Pinset 0.50 OS	3
11	67-2790	Ring Set STD	3
	67-2800	Ring Set 0.25 OS	3
	67-2810	Ring Set 0.50 OS	3
12	67-2860	Bolt	6
13	67-2970	Fly Wheel Assy. (Incl. Ref. #14)	1
14	67-2990	Bolt	4
15	67-2980	Gear, Ring	1
16	67-2970	Crankshaft	1
17	42-9590	Nut	6

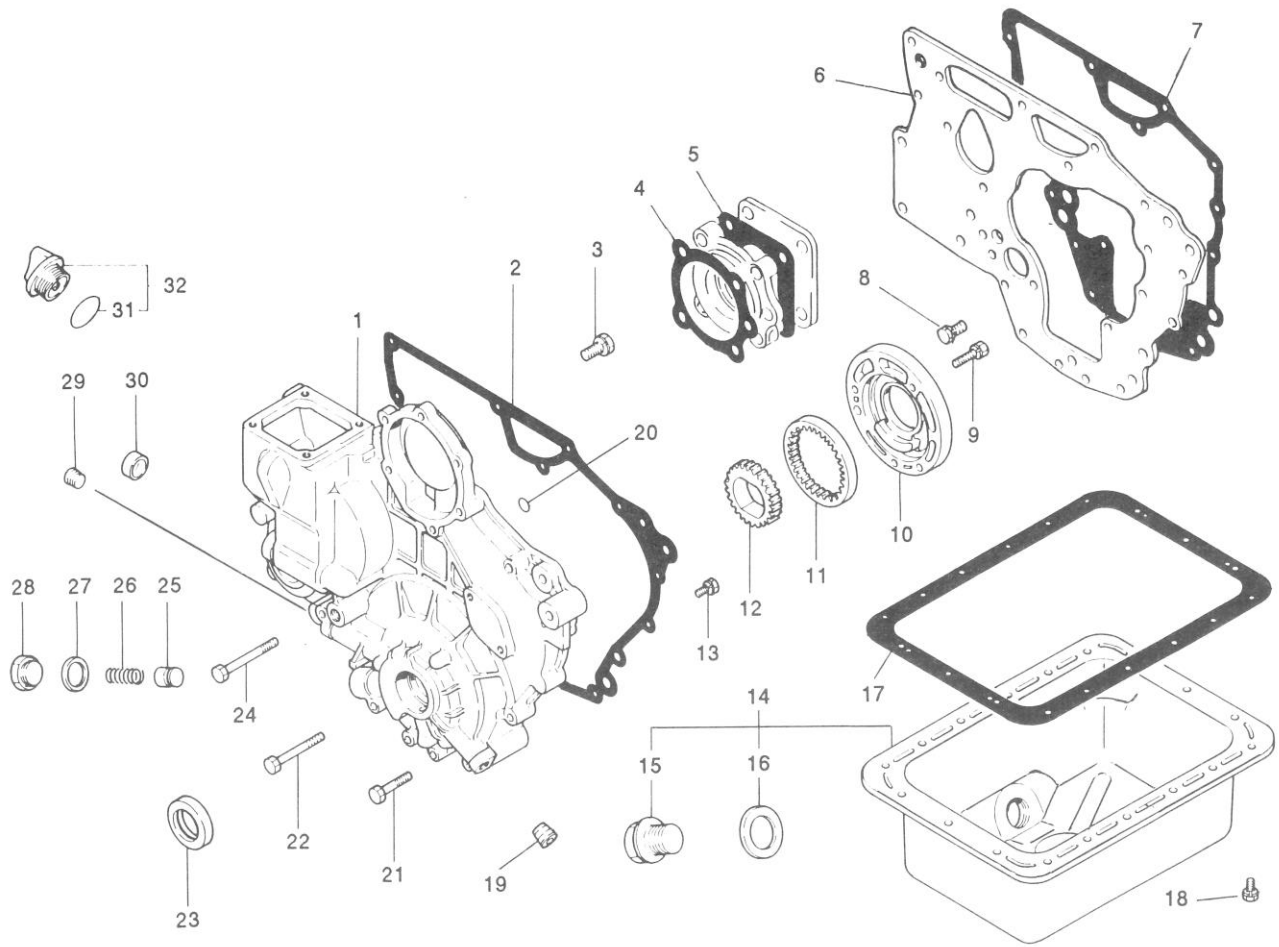
Ref. No.	Part No.	Description	No. Used
18	56-0480	Key, Woodruff	2
19	67-2930	Pulley, Crankshaft	1
20	67-2950	Washer	1
21	67-2960	Washer, Lock	1
22	67-2940	Nut, Jam	1
23	67-4310	Gasket	1
24	67-4250	Cover	1
25	42-9440	Bolt W/Washer	4
28	67-3130	Valve, Intake	3
29	67-3140	Valve, Exhaust	3
30	42-7870	Seal	6
31	67-3110	Spring	6
32	67-3100	Retainer	6
33	42-7860	Lock	12
34	67-3180	Cap	6
35	67-3200	Stay, Rocker	3
36	67-3240	Snap Ring	2
37	67-3220	Pin	1
38	67-3190	Shaft Assy, (Rocker)	1
39	42-9660	Washer	4
40	67-3170	Spring	2
41	67-3260	Washer	6
42	42-9510	Bolt	1
43	67-3250	Bolt, Rockers Stray	2



CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4400	Bolt	2
2	67-4520	Pipe	1
3	67-4540	O-Ring	1
4	42-7510	Pipe	1
5	67-4530	Cover, Sub-Assy (Intake)	1
6	67-2150	Cover, Assy. (Incl. Ref. #9)	1
7	42-9430	Bolt w/Washer	1
8	67-2670	Hose, Breather	1
9	42-7510	Pipe	1
10	67-2660	O-Ring	1
11	67-2650	Cap, Assy. (Oil Filler)	1
12	67-2770	Nut, Cap	2
13	67-2780	Washer	2
14	67-2760	Gasket	1
15	67-2140	Bolt, Flange	3
16	67-2680	Hanger, Engine	4
17	67-2340	Bolt w/Washer	4
18	56-0020	Plug, Expansion	1
19	67-2570	Plug, Taper	1
20	42-9570	Stud	4
21	42-9110	Gasket	1
22	67-4580	Bolt	2
23	67-4590	Bolt	4
24	67-4560	Manifold, Exhaust	1
25	67-2720	Gasket, Cylinder Head	1

Ref. No.	Part No.	Description	No. Used
26	67-4570	Gasket, Exhaust Manifold	1
27	67-4700	Lamp, Glow	1
28	67-2690	Head Assy., Cylinder (Incl. Ref. #18, 41 & 42)	1
29	67-4500	Switch Assy., (Thermo)	1
30	67-4490	Gasket	1
31	67-4460	Gasket (Thermostat Fitting)	1
32	67-4450	Fitting, Thermostat	1
33	67-4470	Bolt	1
34	67-2330	Bolt	4
35	67-4510	Gauge Nut, Water Temp.	1
36	43-2710	O-Ring	2
37	67-4480	Pipe, By-Pass	1
38	67-4440	Thermostat	1
39	67-4680	Plug, Glow	3
40	67-4690	Plate, Glow Plug	1
41	67-2710	Cap, Sealing	3
42	67-2700	Guide, Valve	6
43	67-2730	Bolt	8
44	67-4550	Gasket, Intake Manifold	1
45	67-4430	Gasket, Water Outlet Fitting	1
46	67-4420	Fitting, Water Outlet	1
47	67-4950	O-Ring	1
48	67-4960	O-Ring	1
49	67-2330	Bolt	2

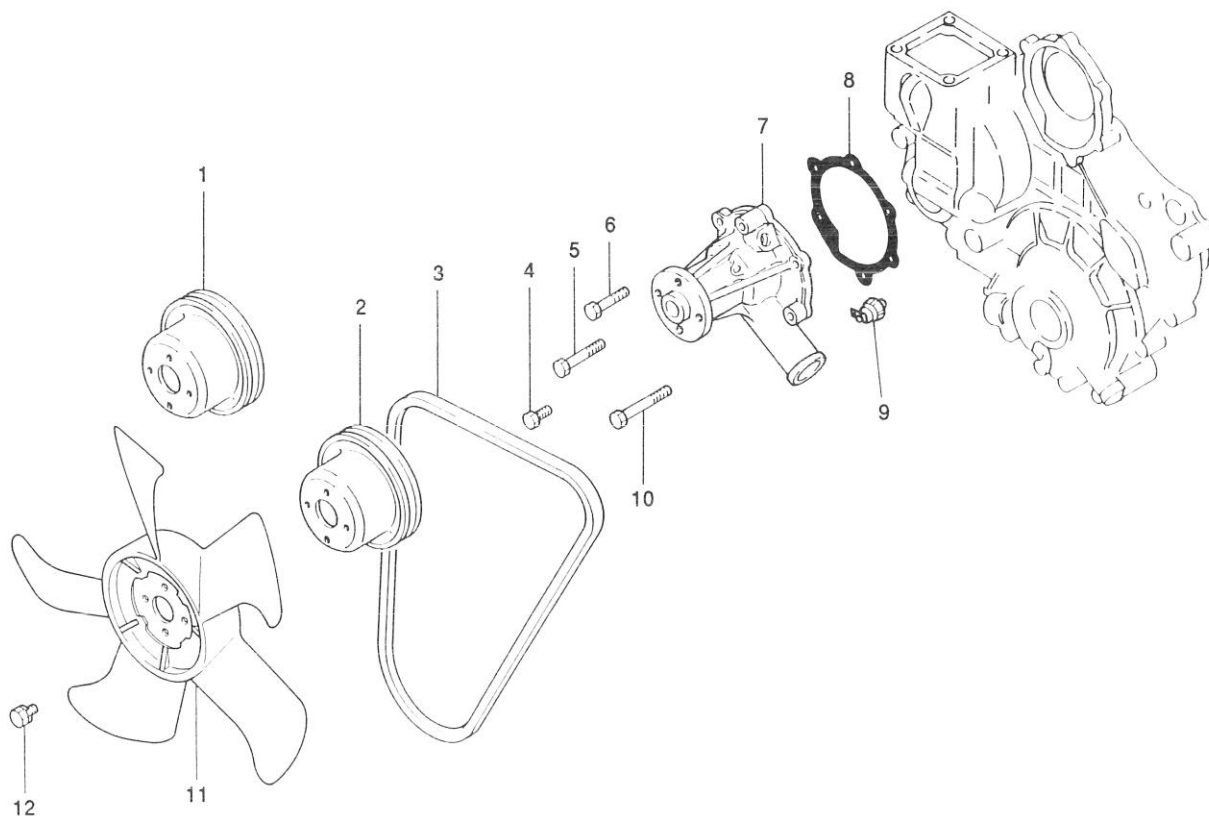


CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-2490	Case Sub-Assy.	1
2	67-2580	Gasket, Case	1
3	67-2340	Bolt w/Washer	3
4	67-4970	Gasket, Housing	1
5	42-7380	Gasket, Oil Pump Cover	1
6	67-2310	Plate	1
7	67-2320	Gasket, Plate	1
8	42-9440	Bolt w/Washer	7
9	67-2560	Bolt w/Washer	3
10	67-2550	Housing, Oil Pump	1
11	67-2540	Gear, Outer	1
12	67-2530	Gear, Inner	1
13	42-9440	Bolt w/Washer	4
14	67-2470	Pan Assy. (Oil) (Includes Ref. #15-16)	1
15	42-9260	Plug	1
16	42-7290	Gasket, Oil Drain	1

Ref. No.	Part No.	Description	No. Used
17	67-2480	Gasket, Oil Pan	1
18	42-9490	Bolt w/Washer	18
19	42-7210	Plug	1
20	67-2630	O-Ring	2
21	67-2600	Bolt	3
22	67-2610	Bolt	4
23	67-2590	Oil Seal	1
24	67-2620	Bolt	1
25	67-2500	Plunger	1
26	67-2510	Spring	1
27	42-7290	Gasket, Oil Drain Plug	1
28	67-2520	Plug	1
29	67-2570	Plug	1
30	67-2640	Cap	1
31	67-2660	O-Ring	1
32	67-2650	Cap Assy. (Oil Fill)	1
*	67-4940	Gasket Kit	1

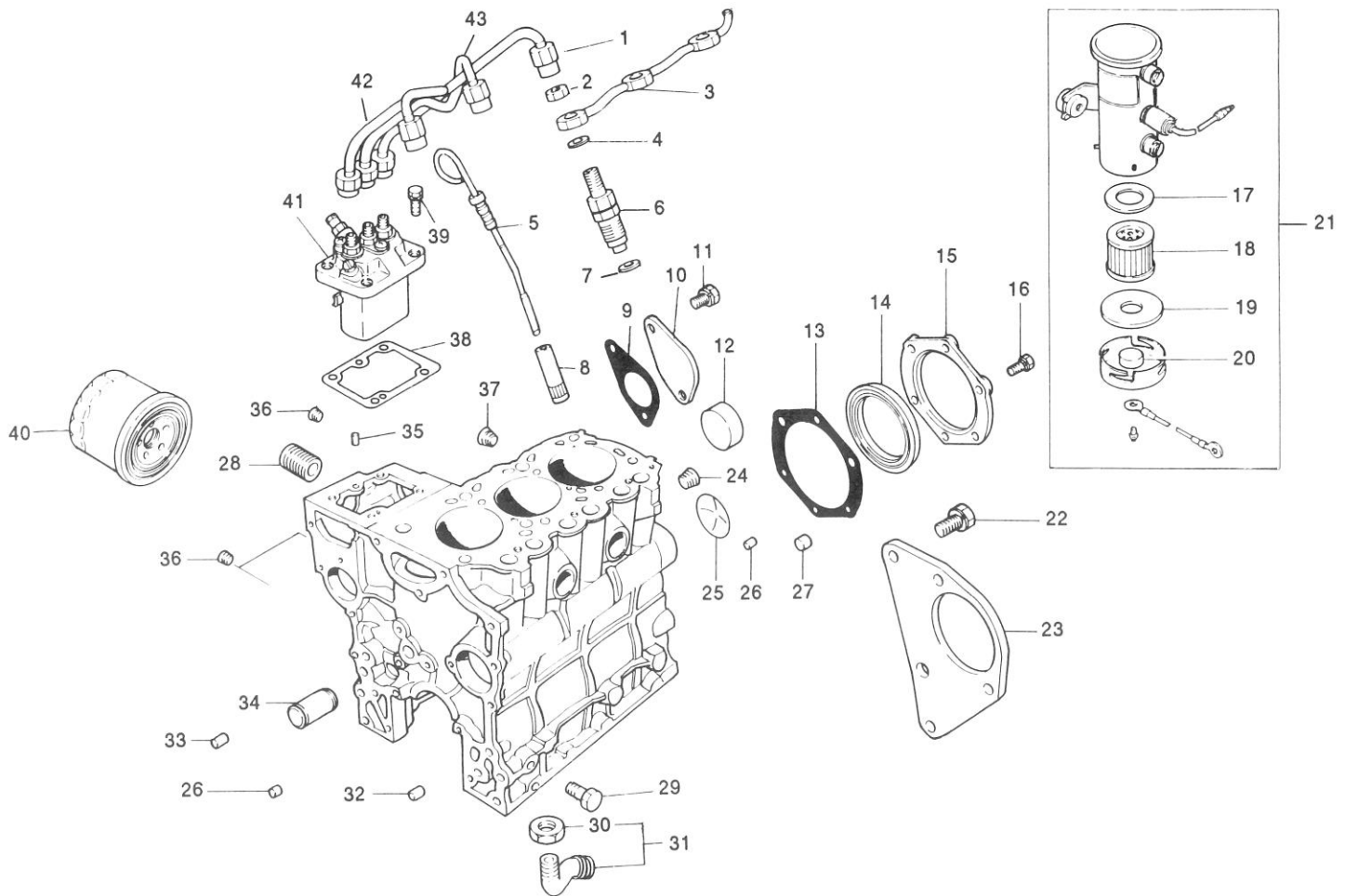
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WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4370	Pulley	1
2	67-4360	Pulley	1
3	67-4410	V-Belt	1
4	67-2330	Bolt	2
5	67-4400	Bolt	1
6	67-2600	Bolt	1

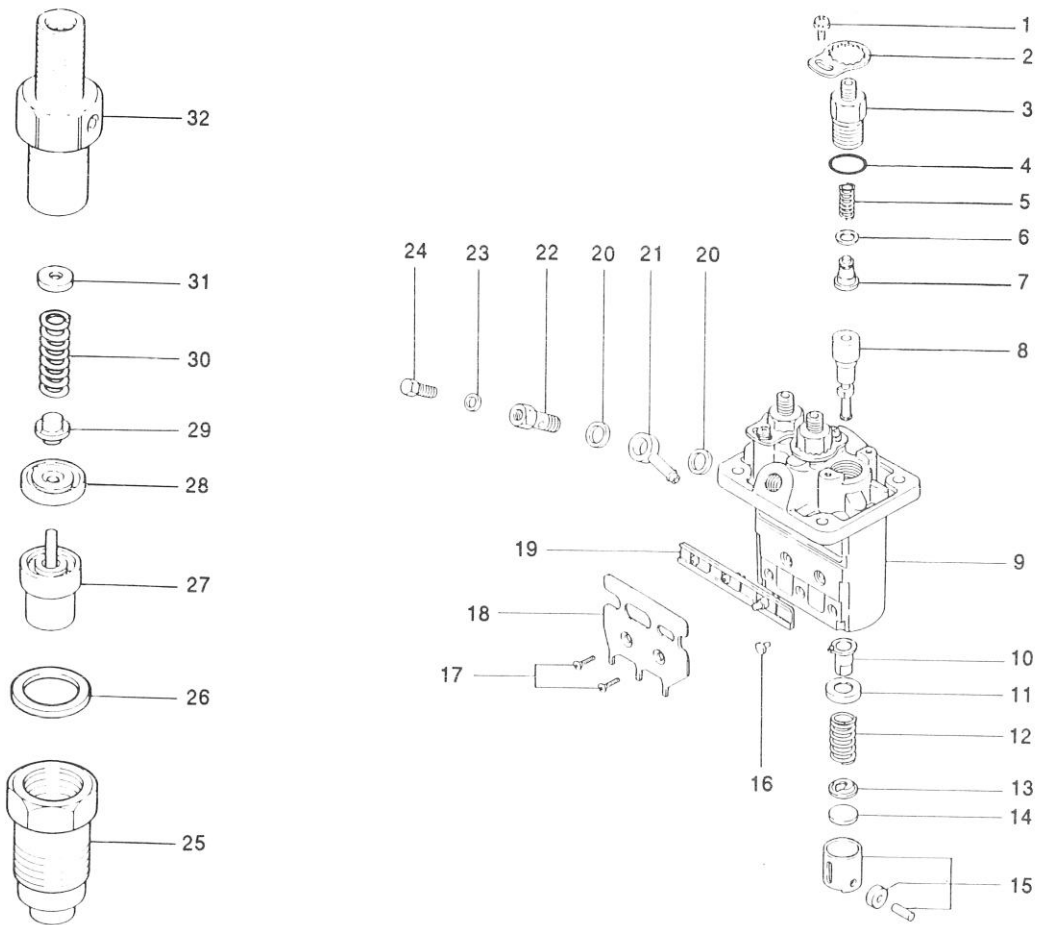
Ref. No.	Part No.	Description	No. Used
7	67-4380	Pump Assy.	1
8	67-4390	Gasket	1
9	67-4350	Switch Assy. (Oil Pressure)	1
10	67-2610	Bolt	2
11	43-1910	Fan	1
12	42-9490	Bolt w/Washer	4



FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3420	Pipe Assy. No. 3	1
2	67-3430	Nut	3
3	67-3450	Pipe, Fuel Return	1
4	67-3440	Gasket	3
5	67-2450	Dipstick	1
6	67-3380	Nozzle & Holder Assy.	1
7	67-3390	Gasket	3
8	67-2220	Guide	1
9	67-2300	Gasket	1
10	67-2290	Cover	1
11	67-2340	Bolt w/Washer	2
12	56-0020	Plug	3
13	67-2280	Gasket	1
14	67-2230	Oil Seal	1
15	67-2270	Case	1
16	67-2330	Bolt	6
17	43-2570	Gasket	1
18	43-2550	Filter	1
19	43-2560	Gasket	1
20	43-2580	Magnet	1
21	53-8150	Pump Assy. (Incl. Ref. #17-20)	1
22	67-2440	Bolt w/Washer	3
23	67-2430	Bracket	1
24	67-2390	Plug	1
25	67-2350	Plug	1
26	67-2360	Bushing	2

Ref. No.	Part No.	Description	No. Used
27	67-2380	Bushing	3
28	56-1230	Shaft, Oil Filter	1
29	67-2460	Bolt	4
30	42-9650	Nut, Jam	1
31	67-4340	Screen Assy. (Incl. Ref. #30)	1
32	67-2370	Bushing	1
33	42-7190	Bushing	2
34	67-2260	Shaft, Idler	1
35	56-0220	Pin	2
36	67-2210	Plug	3
37	56-0100	Plug	1
38	67-3280	Shim 0.2	1
	67-3290	Shim 0.3	1
	67-3300	Shim 0.5	1
	67-3310	Shim 0.4	1
	67-3320	Shim 0.6	1
	67-3330	Shim 0.7	1
	67-3340	Shim 0.8	1
	67-3350	Shim 0.9	1
	67-3360	Shim 1.0	1
39	67-3370	Bolt w/Washer	4
40	67-4330	Filter Assy, Oil	1
41	67-3270	Pump Assy.	1
42	67-3400	Pipe Assy. No. 1	1
43	67-3410	Pipe Assy. No. 2	1

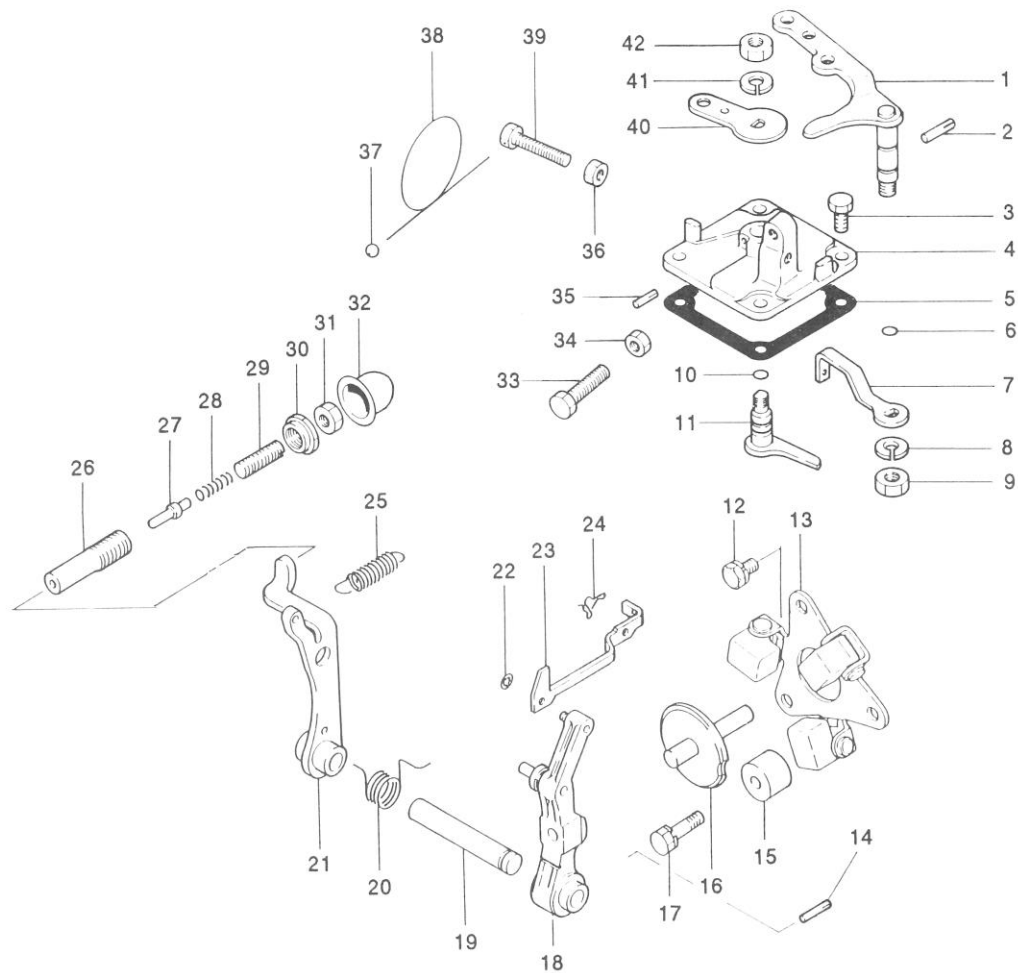


FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3770	Screw w/Washer	3
2	67-3760	Plate, Lock	3
3	67-3470	Holder, Delivery Valve	3
4	67-3480	O-Ring	3
5	67-3490	Spring	3
6	42-8240	Gasket	3
7	67-3500	Valve Sub-Assy.	3
8	67-3510	Element Sub-Assy.	3
9	67-3460	Housing Sub-Assy, Pump	1
10	67-3520	Sleeve Sub-Assy.	3
11	67-3530	Seat	3
12	67-3540	Spring	3
13	67-3550	Seat	3
14	67-3560	Plate, Shim 1.85	1
	67-3570	Plate, Shim 1.9	
	67-3580	Plate, Shim 1.95	
	67-3590	Plate, Shim 2.0	
	67-3600	Plate, Shim 2.05	
	67-3610	Plate, Shim 2.1	
	67-3620	Plate, Shim 2.15	
	67-3630	Plate, Shim 2.2	
	67-3640	Plate, Shim 2.25	
	67-3650	Plate, Shim 2.3	
	67-3660	Plate, Shim 2.35	
	67-3670	Plate, Shim 2.4	
	67-3680	Plate, Shim 2.45	
	67-3690	Plate, Shim 2.5	
15	67-3700	Tappet Assy.	3
16	67-3810	Pin	3

Ref. No.	Part No.	Description	No. Used
17	67-3790	Screw	2
18	67-3800	Bracket	1
19	67-3780	Rack Assy.	1
20	67-3750	Washer	2
21	67-3740	Nipple	1
22	67-3730	Screw	1
23	67-3720	Washer	1
24	67-3710	Screw, Air Bleed	1
25	67-3970	Nut	3
26	67-3980	Gasket	3
27	67-3990	Nozzle Assy.	3
28	67-3950	Piece	3
29	67-3940	Pin	3
30	67-3930	Spring	3
31	67-3830	Washer 12.5	1
	67-3840	Washer 1.3	
	67-3850	Washer 1.35	
	67-3860	Washer 1.4	
	67-3870	Washer 1.45	
	67-3880	Washer 1.5	
	67-3890	Washer 1.55	
	67-3900	Washer 1.6	
	67-3910	Washer 1.65	
	67-3920	Washer 1.7	
32	67-3820	Body Sub-Assy.	3
*	67-3270	Pump Assy. (Incl. Ref. #1-24)	1
*	67-3380	Nozzle and Holder Assy. (Incl. Ref. #25-32)	3

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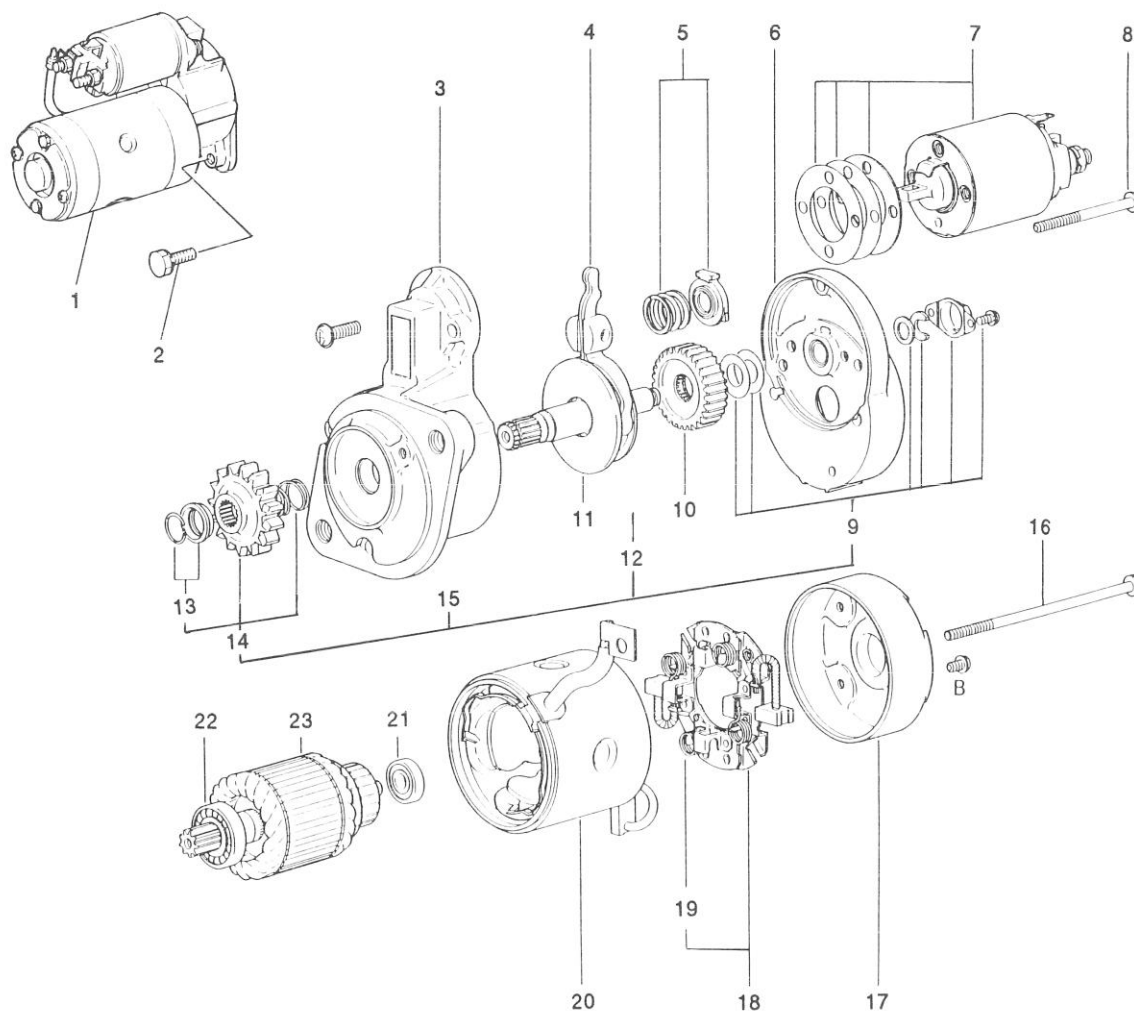


GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-3990	Lever Assy., (Speed Control)	1
2	67-4000	Pin	2
3	67-4270	Bolt	4
4	67-4310	Cover, Governor	1
5	67-4160	Gasket	1
6	42-8830	O-Ring	1
7	67-4020	Lever, Governor Spring	1
8	67-3260	Washer	1
9	42-9640	Nut, Jam	1
10	42-8830	O-Ring	1
11	67-4140	Lever Assy. (Stop)	1
12	42-9430	Bolt w/Washer	2
13	67-4040	Weight Assy.	1
14	67-4000	Pin	2
15	67-4010	Stopper	1
16	67-4070	Shaft Assy. (Sliding)	1
17	42-9440	Bolt w/Washer	1
18	67-4060	Lever Assembly (Governor)	1
19	67-4050	Shaft	1
20	67-4100	Spring	1
21	67-4190	Lever Assembly (Tension)	1
22	67-4300	Snap Ring	1
23	67-4030	Rod, Tie	1

Ref. No.	Part No.	Description	No. Used
24	67-4080	Clip	1
25	67-4260	Spring	1
26	67-4210	Case, Torque Spring	1
27	67-4230	Stopper	1
28	67-4190	Spring, Torque	1
29	67-4220	Screw, Adjusting	1
30	67-4200	Nut, Special	1
31	67-4180	Nut	1
32	67-4240	Cap	1
33	42-9420	Bolt	2
34	67-4290	Nut	2
35	67-4120	Pin	1
36	67-4290	Nut	2
37	42-8690	Metal, Sealing	1
38	42-8700	Wire	1
39	42-9420	Bolt	2
40	67-4150	Lever, Stop	1
41	67-3260	Washer	1
42	42-9640	Nut, Jam	1
*	67-4110	Cover Assembly (Includes Ref. #4, 10, 11, 35 & 40-42)	1
*	67-4170	Spring Set (Incl. Ref. #26-31)	1

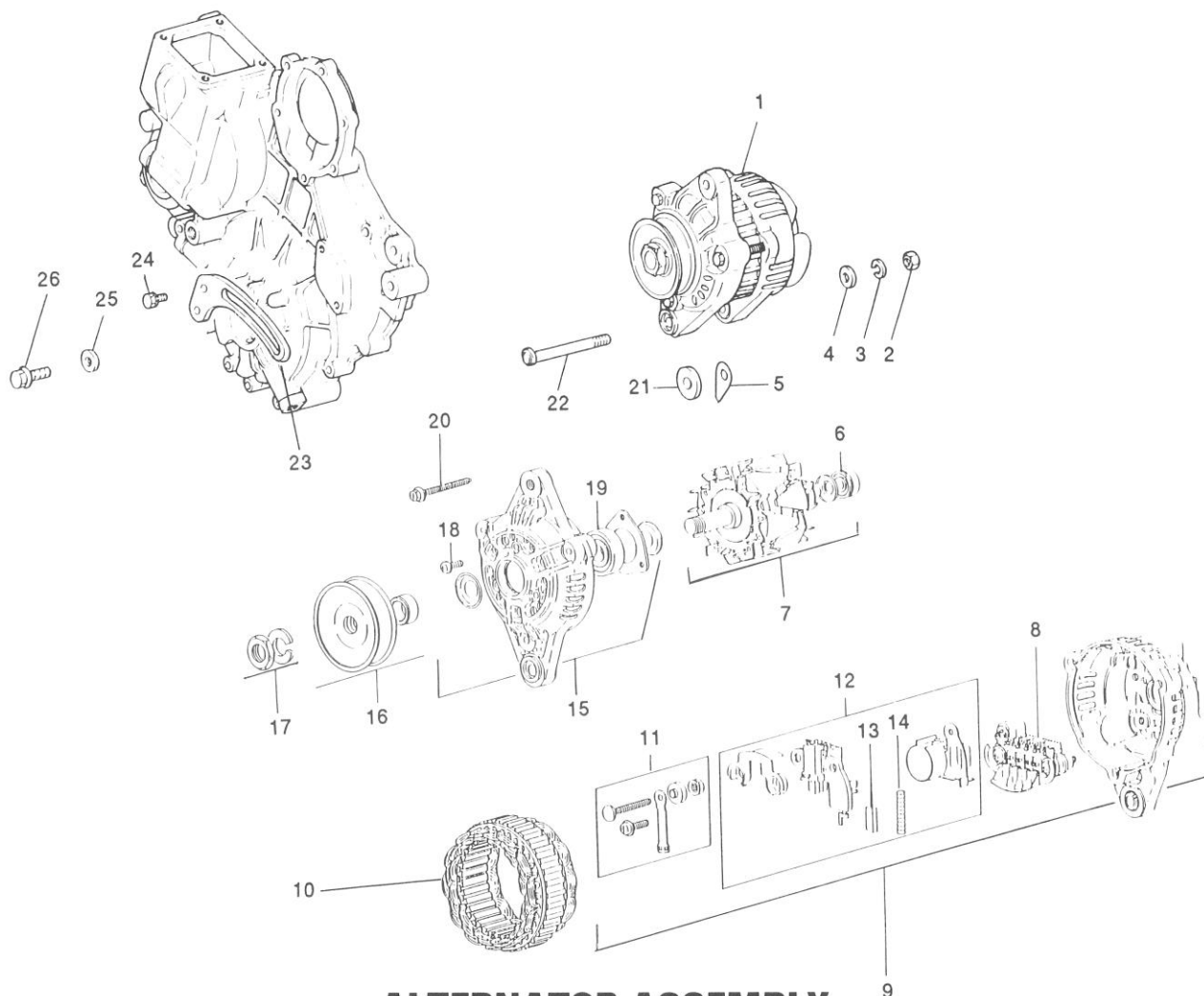
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STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4600	Starter Assy. (Incl. REF. #3-23)	1
2	67-4610	Bolt w/Washer	2
3	67-4710	Bracket Assy. (Front)	1
4	67-4720	Lever Assy.	1
5	67-4730	Spring Set	1
6	67-4740	Bracket Assy. (Center)	1
7	67-4750	Switch Assy.	1
8	52-1570	Bolt Set	1
9	56-1680	Cover Set	1
10	56-1670	Gear	1
11	67-4790	Shaft Assy.	1
12	67-4780	Gear Set (Incl. Ref. #10 & 11)	1
13	56-1640	Stopper Set	1

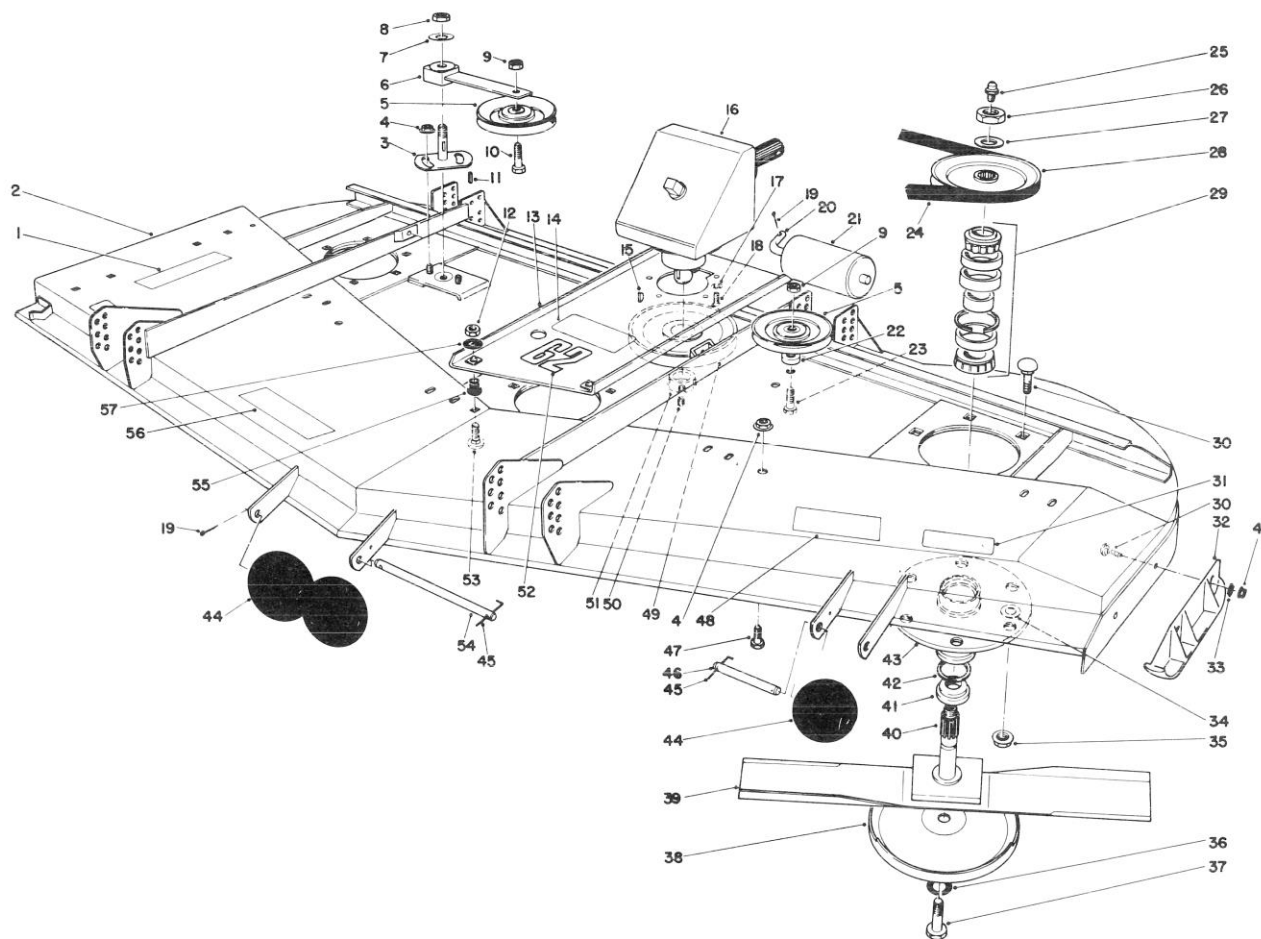
Ref. No.	Part No.	Description	No. Used
14	67-4770	Pinion Set (Incl. Ref. #13)	1
15	67-4760	Shaft Assy. (Incl. Ref. #9, 12 & 14)	1
16	56-1610	Bolt	1
17	56-1720	Bracket Assy. (Rear)	1
18	56-1700	Holder Assy. (Brush) (Incl. Ref. #19)	1
19	56-1710	Spring, Brush	4
20	67-4800	Yoke Assy.	1
21	56-1600	Bearing, Rear	1
22	56-1590	Bearing, Front	1
23	56-1580	Armature Set (Incl. Ref. #21 & 22)	1



ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-4630	Alternator Assy. (Incl. Ref. #6-17)	1
2	67-4670	Nut	1
3	67-3260	Washer	1
4	42-9660	Washer	1
5	43-0370	Shim	1
6	67-4870	Bearing, Rear	1
7	67-4860	Rotor Assy. (Incl. Ref. #6)	1
8	67-4930	Rectifier Assy.	1
9	67-4890	Bracket Assy. Rear (Incl. Ref. #8, 11 & 12)	1
10	67-4880	Stator Assy.	1
11	67-4900	Terminal Set	1
12	67-4910	Regulator Assy. (Incl. Ref. #13 & 14)	1

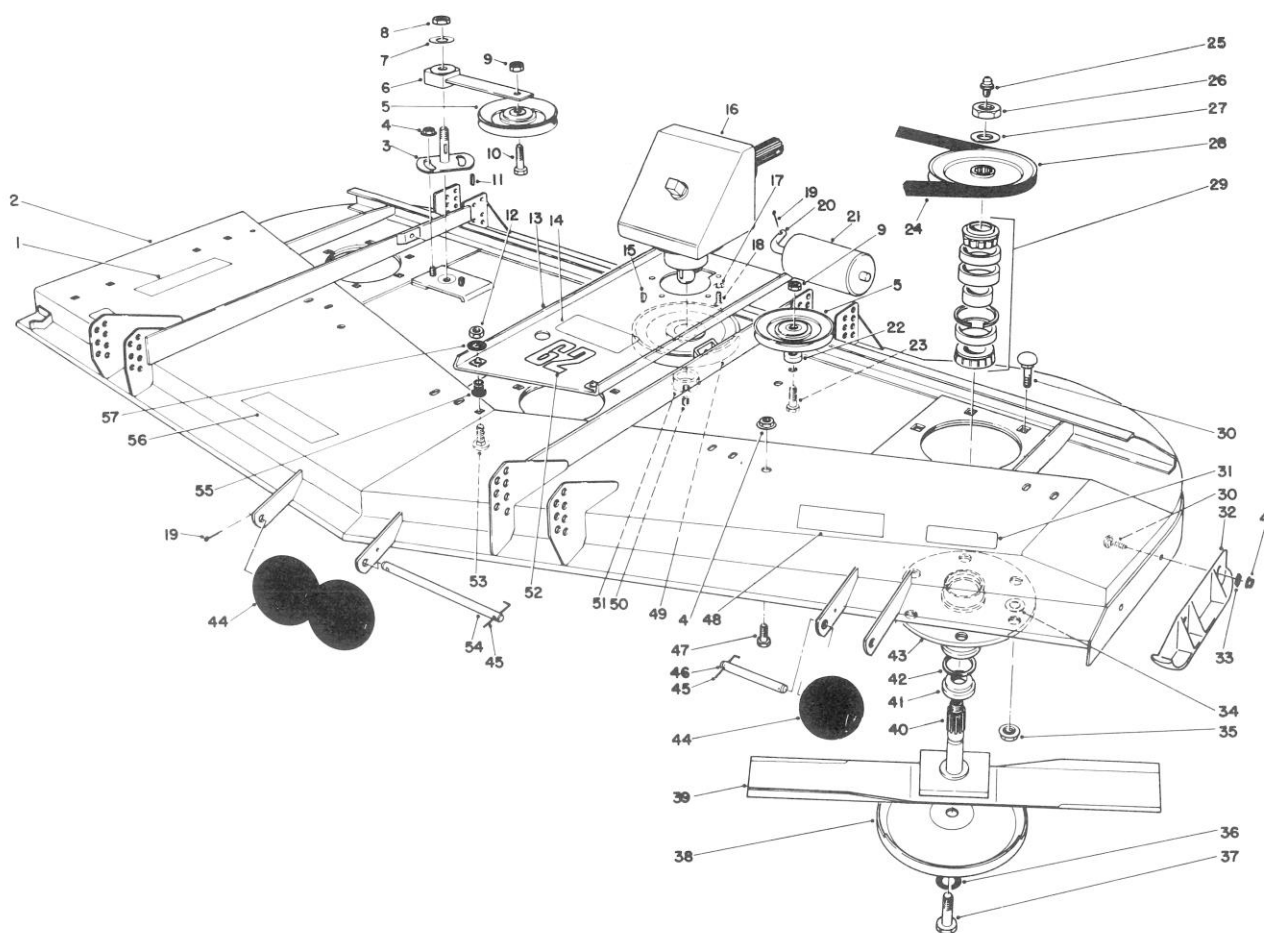
Ref. No.	Part No.	Description	No. Used
13	67-4920	Brush	2
14	43-0510	Spring, Brush	2
15	67-4830	Bracket Assy., Front (Incl. Ref. #18 & 19)	1
16	67-4810	Pulley Set	1
17	43-1920	Nut Set	1
18	67-4840	Screw Set	1
19	67-4850	Bearing, Front	1
20	67-4820	Bolt Set	1
21	67-4620	Spacer	1
22	67-4640	Bolt	1
23	67-4650	Brace	1
24	42-9440	Bolt w/Washer	1
25	54-8660	Washer	1
26	67-4660	Bolt, Flange	1



CUTTING UNIT MODEL NO. 30564

Ref. No.	Part No.	Description	No. Used
1	51-1560	Decal, Caution	1
2	63-9840	Cutting Deck	1
3	44-6300	Plate, Idler	1
4	3290-357	Nut, Lock	6
5	65-5940	Pulley, Idler	2
6	27-8580	Idler Socket & Bushing Assy.	1
7	3256-27	Washer	1
8	3296-33	Nut, Lock	1
9	3296-5	Nut, Lock	2
10	3211-8	Screw, Cap Hex Hd.	1
11	5-1077	Key, Square	1
12	32153-2	Nut, Lock	4
13	63-9780	Base, Gear Box	1
14	44-6470	Decal, Caution	1
15	3257-5	Key, Woodruff	1
16	8-0909	Gear Box	1
17	3253-21	Washer, Lock	5
18	3274-1	Screw, Cap Socket Hd.	5
19	3272-11	Cotter Pin	4
20	40-0340	Shaft, Rear Roller	2
21	36-1740	Roller, Deck	2
22	44-6390	Spacer	1
23	3211-9	Screw, Cap Hex Hd.	1

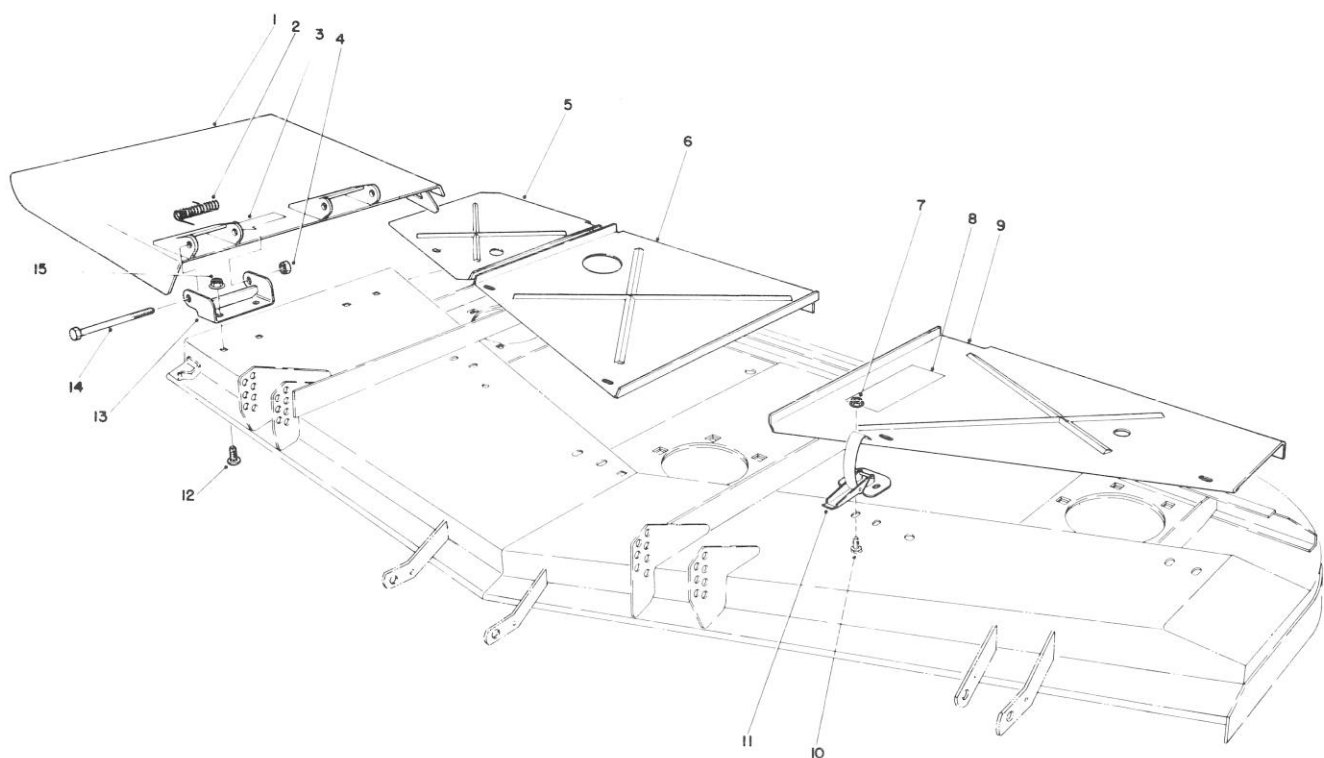
Ref. No.	Part No.	Description	No. Used
24	44-6260	V-Belt	1
25	302-2	Grease Fitting	3
26	32146-20	Nut, Jam	3
27	7-4150	Washer	3
28	44-6340	Pulley, Hub Spindle	3
29	46-8530	Bearing Assembly	3
30	3231-22	Bolt, Carriage Short Neck	20
31	26-7970	Decal — Caution (Rotating Blades)	1
32	57-0570	L.H. Skid	1
33	3290-224	Pyramidal Washer	2
34	3256-24	Washer	A/R
35	32128-21	Nut, Flange	18
36	3253-27	Washer — Lock	3
37	44-2200	Capscrew — Blade	3
38	27-1000	Anti-Scalp Cup	3
39	44-6250	Blade	3
40	27-0920	Spindle Shaft	3
41	27-0950	Spacer	3
42	253-139	Seal	3
43	61-4160	Spindle Housing	3
44	29-4820	Roller, Front	3
45	57-0690	Cotter Pin	2



CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
46	57-0680	Shaft, Short	1
47	323-4	Screw, Cap Hex Hd.	2
48	52-1430	Decal, Rear Weight	1
49	63-9900	Pulley, Gear Box	1
50	3245-9	Screw — Set, Socket Hd.	2
51	27-6140	Bushing, Taper Lock	1

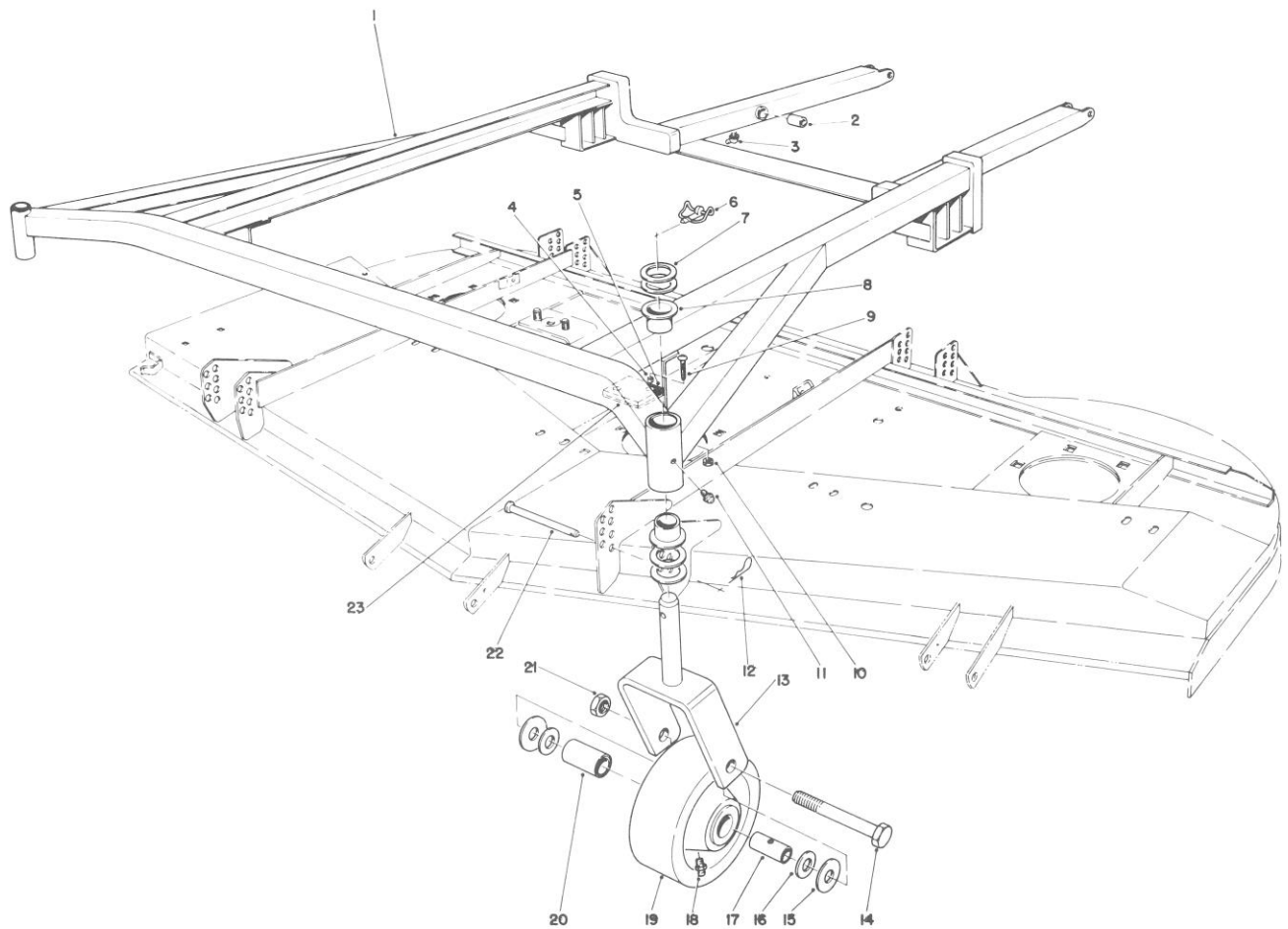
Ref. No.	Part No.	Description	No. Used
52	66-1630	Decal	1
53	3231-26	Bolt, Carriage	4
54	40-6400	Shaft — Long	1
55	63-9750	Mount	4
56	26-7960	Decal, Caution	1
57	63-4810	Washer	4



CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52-5790	Deflector	1
2	51-1550	Spring	2
3	26-7120	Decal — Blade Line	1
4	32153-5	Nut — Lock	2
5	63-9830	Cover — Deck R.H.	1
6	65-5900	Cover — Deck Center	1
7	32128-17	Nut — Lock, Flange	8
8	42-6860	Decal — Height of Cut	1

Ref. No.	Part No.	Description	No. Used
9	44-6290	Cover — Deck L.H.	1
10	3290-321	Screw — Machine Hex Slotted	8
11	249-21	Latch Draw	4
12	3231-27	Bolt — Carriage	4
13	51-1530	Hinge Bracket	2
14	325-17	Screw — Cap Hex. Hd.	2
15	3290-357	Nut — Lock	4

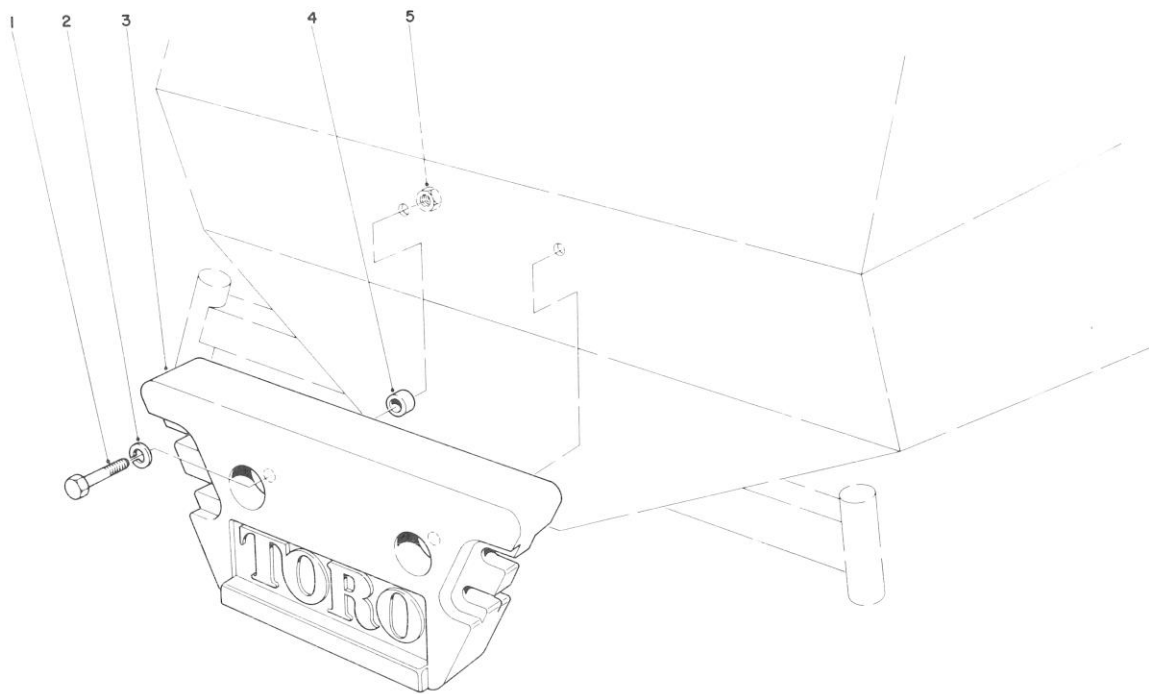


CUTTING UNIT MODEL NO. 30564 (Continued)

Ref. No.	Part No.	Description	No. Used
1	44-6410	Frame (Incl. Ref. #2, 3 & 6)	1
2	256-101	Bushing	4
3	302-40	Grease Fitting	2
4	40-9520	Spacer — Split	4
5	40-0330	Cushion — Rubber	2
6	3290-384	Lynch Pin	2
7	3-6781	Washer — Thrust	8
8	28-9290	Bushing Special	4
9	32122-28	Screw — Machine Truss Hd.	4
10	3296-2	Nut — Lock	4
11	302-5	Grease Fitting	2
12	3290-355	Pin — Hair	4

Ref. No.	Part No.	Description	No. Used
13	40-0370	Front Castor Fork	2
14	328-9	Screw Cap Hex. Hd.	2
15	27-1170	Thrust Washer	A/R
16	27-1180	Bearing Retainer	4
17	27-1200	Spanner Bushing	2
18	302-55	Fitting — Grease	2
19†	27-1050	Castor Wheel (Incl. Ref. #17-21)	2
20	27-1210	Roller Bearing	2
21	32153-6	Locknut	2
22	283-55	Pin Clevis	4
23	42-6200	Shim — Cushion	3

†Note: See Page 58 for Pneumatic Caster Wheel Assembly.



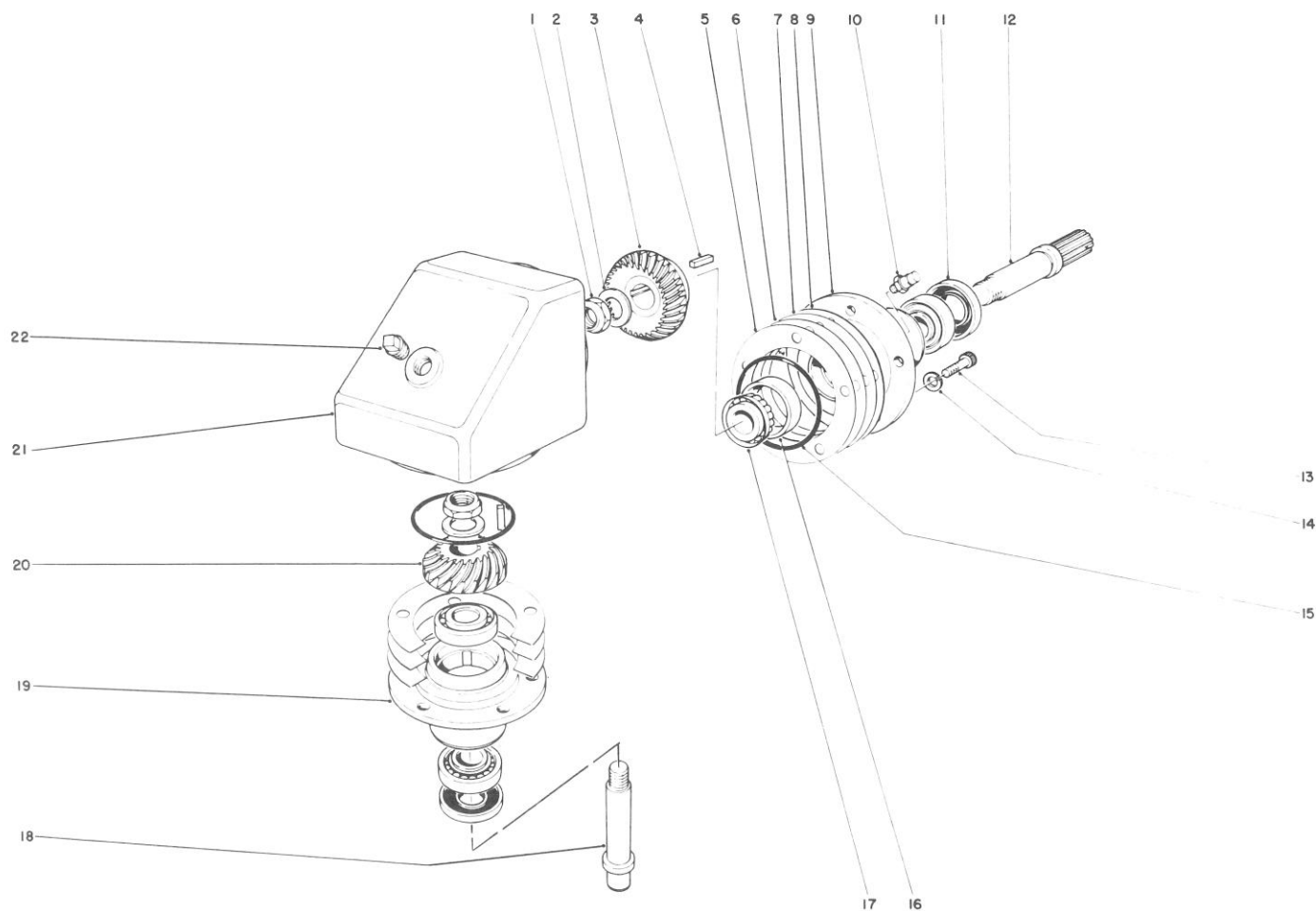
REAR WEIGHT†

Ref. No.	Part No.	Description	No. Used
1†	325-8	Screw — Cap, Hex Hd.	2
2†	3253-7	Washer — Lock, Spring	2
3†	24-5790	Rear Weight	1

Ref. No.	Part No.	Description	No. Used
4†	57-4230	Spacer	2
5†	3217-9	Nut — Hex	2

†One required on Groundsmaster 220D with 62" cutting unit. Parts must be ordered separately.

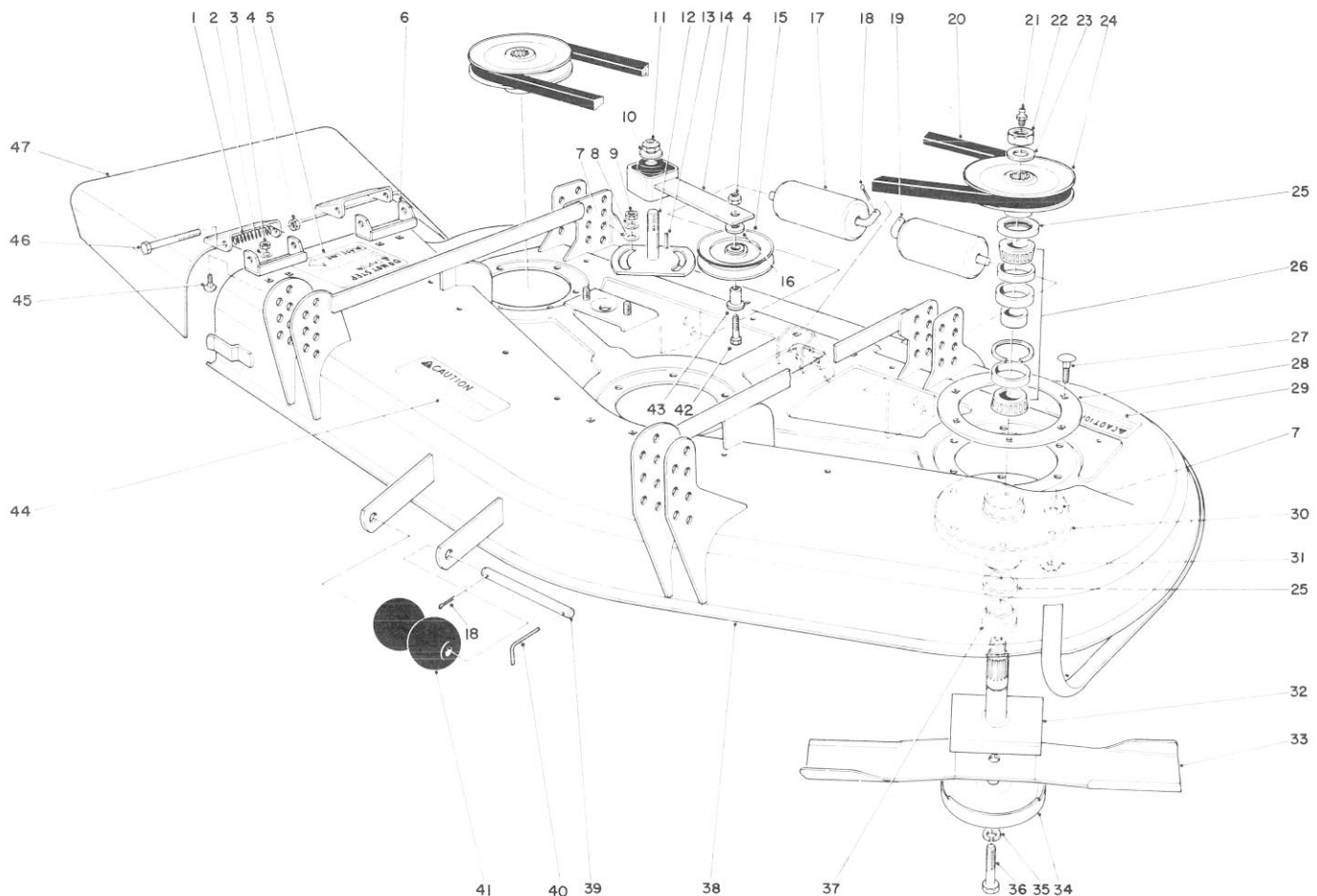
†Two required on Groundsmaster 220D with 72" cutting unit. Parts must be ordered separately.



CUTTING UNIT MODEL NO. 30564, 30555, 30568 & 30575

Ref. No.	Part No.	Description	No. Used
1	3296-15	Nut	2
2	3-6514	Thrust Washer	2
3	26-1340	Gear — Spiral Bevel	1
4	18-6430	Square Key	2
5	26-1350	Shim .002 Thick Red	A/R
6	26-1360	Shim .005 Thick Blue	A/R
7	26-1370	Shim .015 Thick Pink	A/R
8	33-2040	Shim .020 Thick Yellow	A/R
9	26-1290	Bearing Housing — Input	1
10	302-14	Vent Plug	1
11	253-137	Oil Seal	2
12	26-1310	Shaft — Input	1

Ref. No.	Part No.	Description	No. Used
13	3274-7	Capscrew Socket Head	5
14	3253-21	Lockwasher	5
15	237-97	O-Ring	2
16	254-90	Bearing Cup	4
17	254-91	Bearing Cone	4
18	26-1320	Shaft — Output	1
19	26-1380	Bearing Housing — Output	1
20	26-1330	Pinion Spiral	1
21	26-1270	Gear Box	1
22	281-11	Pipe Plug Sq. Hd.	1

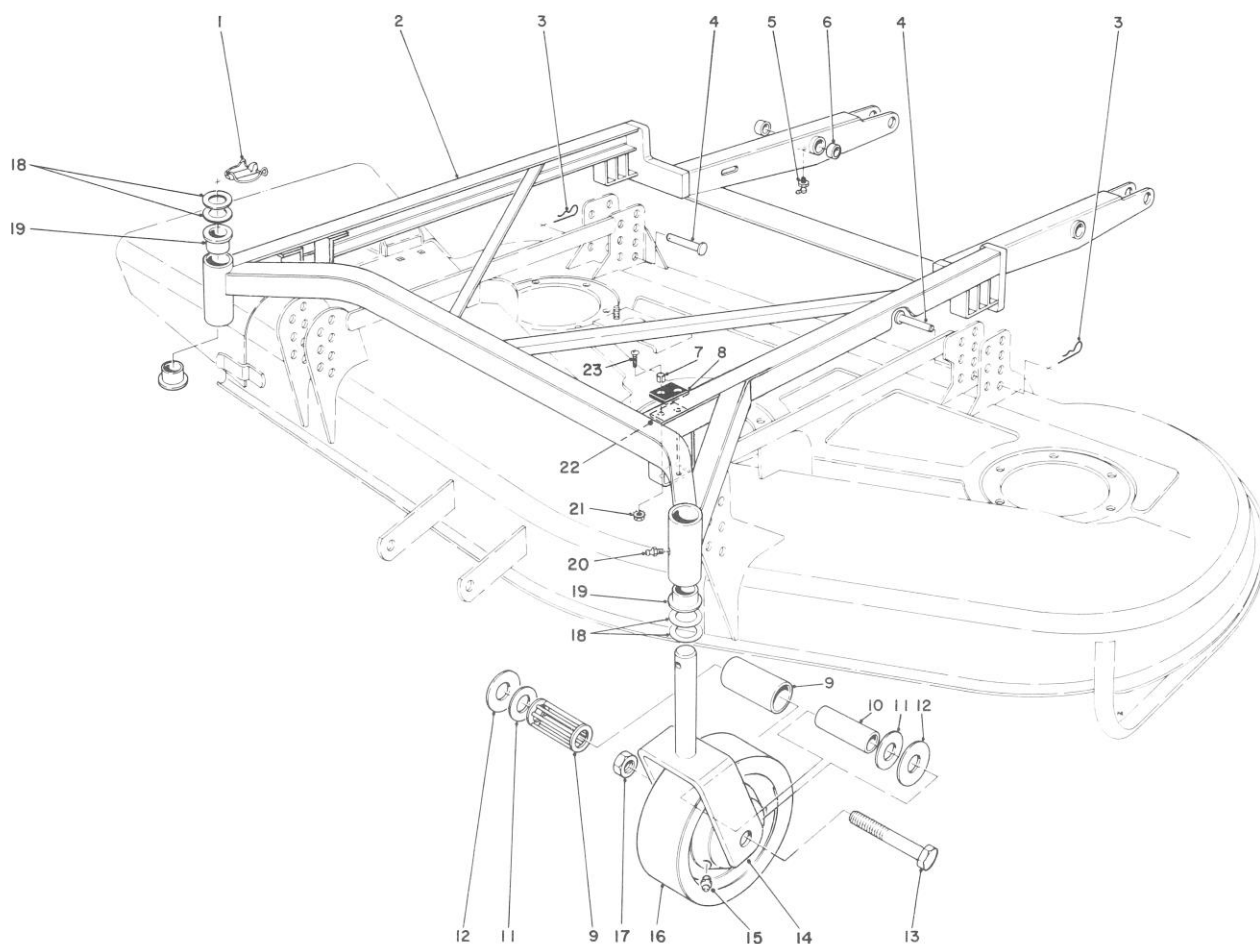


CUTTING UNIT MODEL NO. 30555

Ref. No.	Part No.	Description	No. Used
1	40-6230	Spring — Torsion	2
2	3253-4	Lockwasher	4
3	3217-6	Nut	4
4	3296-5	Locknut	3
5	40-5730	Decal — Caution	1
6	29-5590	Pivot Bracket — Deflector	2
7	3256-24	Washer — Flat	20
8	3253-21	Lockwasher	2
9	3218-3	Nut — Jam	2
10	3256-27	Washer — Flat	1
11	3296-33	Locknut	1
12	28-9060	Plate — Idler	1
13	5-1077	Key Square	1
14	27-8580	Idler Socket	1
15	65-5940	Pulley — Idler	1
16	7-0081	Washer — Special	1
17	36-1740	Roller — Deck	2
18	3272-11	Cotter Pin	3
19	40-0340	Shaft — Rear Roller	2
20	27-1160	V-Belt	1
21	302-2	Grease Fitting	3
22	32146-20	Locknut	3
23	7-4150	Washer	3
24	27-9070	Pulley	3

Ref. No.	Part No.	Description	No. Used
25	253-139	Seal — Wave	6
26	46-8530	Bearing Assembly	3
27	3231-22	Carriage Bolt	18
28	27-7680	Ring — Deck Support	3
29	26-7970	Decal — Caution	1
30	61-4160	Spindle Housing	3
31	32128-21	Locknut — Flange	18
32	27-0920	Spindle Shaft	3
33	27-0990	Blade	3
34	27-1000	Anti-Scalp Cup	3
35	3253-27	Lockwasher	3
36	44-2200	Screw — Blade Bolt	3
37	27-0950	Spacer — Spindle Bearing	3
38	40-0020	Cutting Deck	1
39	40-6400	Shaft — Roller	1
40	57-0690	Cotter Pin — Special	1
41	29-4820	Roller	2
42	3211-8	Capscrew	1
43	65-5950	Bushing — Pulley	1
44	26-7960	Decal — Caution	1
45	3230-20	Carriage Bolt	4
46	3211-15	Capscrew	2
47	40-6200	Grass Deflector	1
*	44-5480	Blade — High Sail (Optional)	3

*Not Illustrated

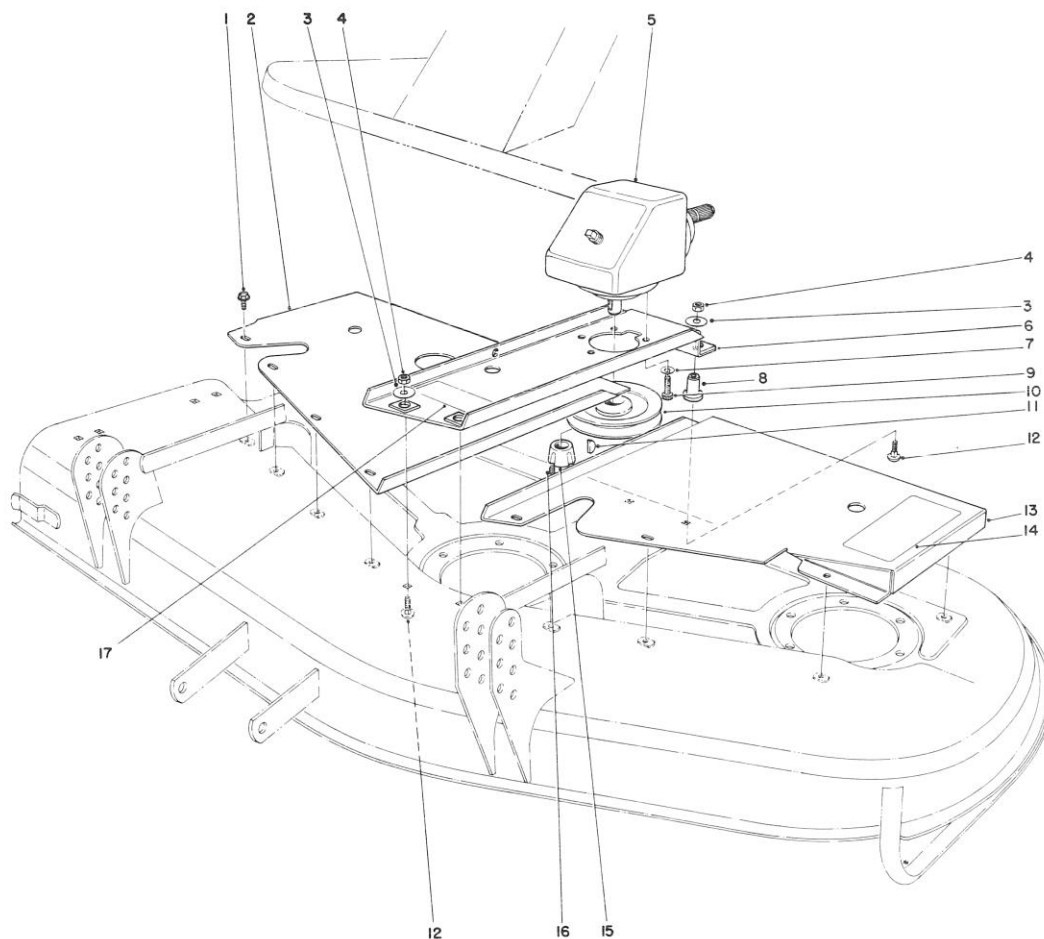


CUTTING UNIT MODEL NO. 30555 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Lynch Pin	2
2	44-2170	Frame — Deck Suspension (Incl. Ref. #5-6 & 19)	1
3	3290-355	Pin — Hair	4
4	283-55	Pin Clevis	4
5	302-40	Grease Fitting	2
6	256-101	Bushing	4
7	40-9520	Spacer — Split	4
8	40-0330	Cushion — Rubber	2
9	27-1210	Roller Bearing	2
10	27-1200	Spanner Bushing	2
11	27-1180	Bearing Retainer	4
12	27-1170	Thrust Washer	4

Ref. No.	Part No.	Description	No. Used
13	328-9	Screw — Cap Hex. Hd.	2
14	40-0370	Front Castor Fork	2
15	302-55	Fitting — Grease	2
16†	27-1050	Wheel Assy. (Incl. Ref. #9-12 & 15)	2
17	32153-6	Nut — Lock	2
18	3-6781	Washer — Thrust	8
19	28-9290	Bushing — Special	4
20	302-5	Grease — Fitting	2
21	3296-2	Locknut	4
22	42-6200	Shim Cushion	A/R
23	32122-28	Machine Screw Truss Head	4

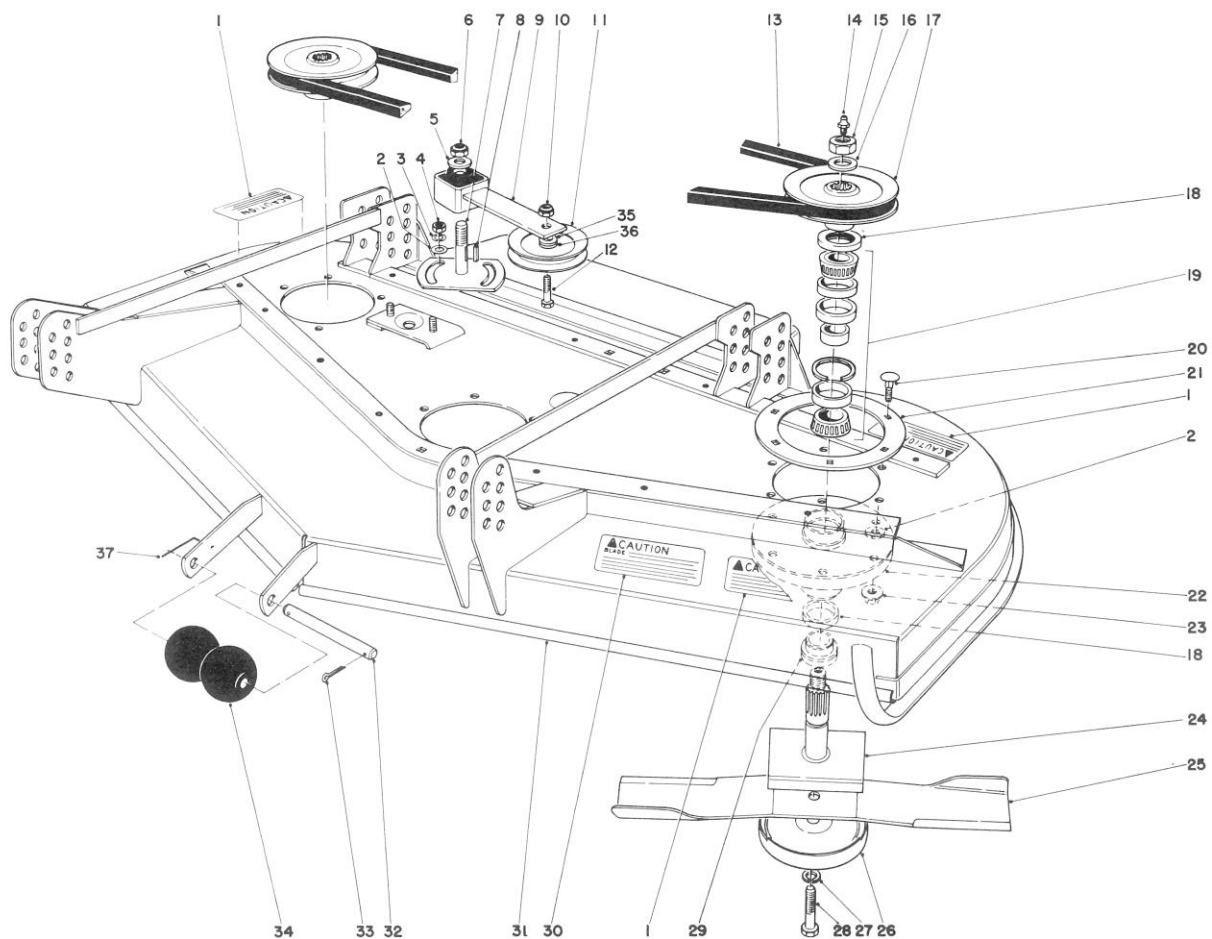
†Note: See page 58 for Pneumatic Caster Wheel Assembly.



CUTTING UNIT MODEL NO. 30555 (Continued)

Ref. No.	Part No.	Description	No. Used
1	46-8560	Self Tapping Screw Hex Hd. w/Locking Flange	11
2	40-0410	Cover R.H.	1
3	63-8410	Lockwasher	4
4	32153-2	Nut	4
5	63-9890	Gear Box Assembly	1
6	63-9760	Base — Gear Box	1
7	3253-21	Lockwasher	5
8	63-9750	150 Mount — Gear Box	4

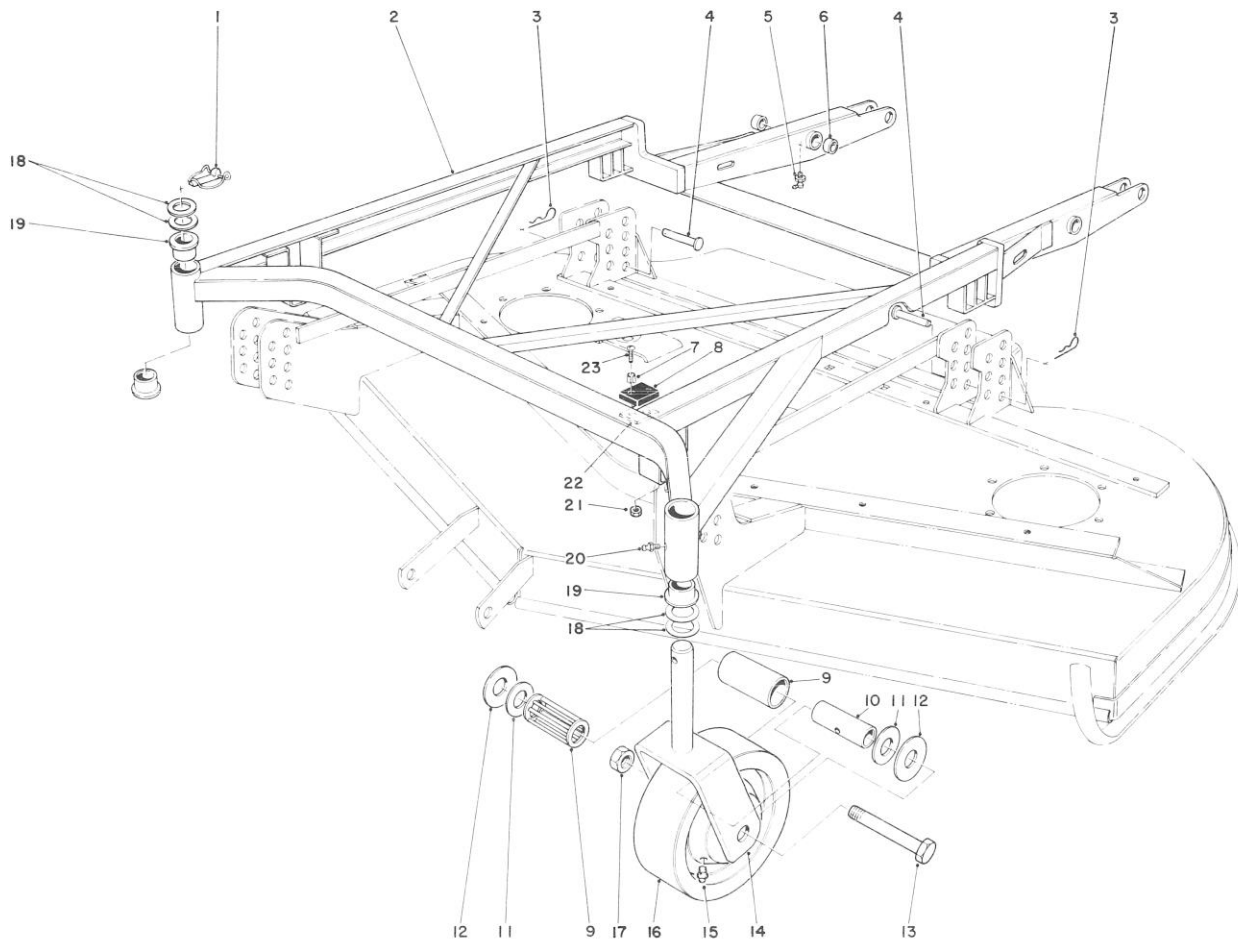
Ref. No.	Part No.	Description	No. Used
9	3274-1	Capscrew — Socket Hd.	5
10	63-9900	Pulley — Gear Box	1
11	3257-5	Key Woodruff	1
12	3231-26	Carriage Bolt	4
13	40-0390	Cover L.H.	1
14	42-6860	Decal — Height of Cut	1
15	27-6140	Bushing — Taper Lock	1
16	3245-9	Set Screw — Socket Hd.	1
17	44-6470	Decal — Caution	1



CUTTING UNIT MODEL NO. 30568

Ref. No.	Part No.	Description	No. Used
1	26-7970	Decal — Caution (Rotating Blades)	3
2	3256-24	Washer — Plain	A/R
3	3253-21	Washer — Lock	2
4	3218-3	Nut — Jam	2
5	3256-27	Washer — Plain	1
6	3296-33	Nut — Lock	1
7	28-9060	Plate — Idler	1
8	5-1077	Key Square	1
9	27-8580	Idler Socket	1
10	3296-5	Nut — Lock	1
11	65-5940	Pulley — Idler	1
12	3211-8	Screw — Cap Hex Hd.	1
13	27-1160	V-Belt	1
14	302-2	Grease Fitting	3
15	32146-20	Nut — Hex Lock Jam	3
16	7-4150	Washer	3
17	27-0970	Pulley	3
18	253-139	Seal — Wave	6

Ref. No.	Part No.	Description	No. Used
19	46-8530	Bearing Assembly	3
20	3231-22	Bolt — Carriage	18
21	27-7680	Ring Deck Support	2
22	61-4160	Housing — Spindle	3
23	32128-21	Nut — Locking Flange	18
24	27-0920	Spindle Shaft	3
25	27-0990	Blade	3
26	27-1000	Cup — Anti Scalp	3
27	3253-27	Washer — Lock	3
28	44-2200	Screw — Blade	3
29	27-0950	Spacer — Spindle Bearing	3
30	26-7960	Decal — Caution	1
31	42-4650	Cutting Deck	1
32	40-6400	Shaft — Roller	1
33	3272-11	Pin — Cotter	1
34	29-4820	Roller	2
35	7-0081	Washer	1
36	65-5950	Bushing	1
37	57-0690	Cotter Pin Special	1

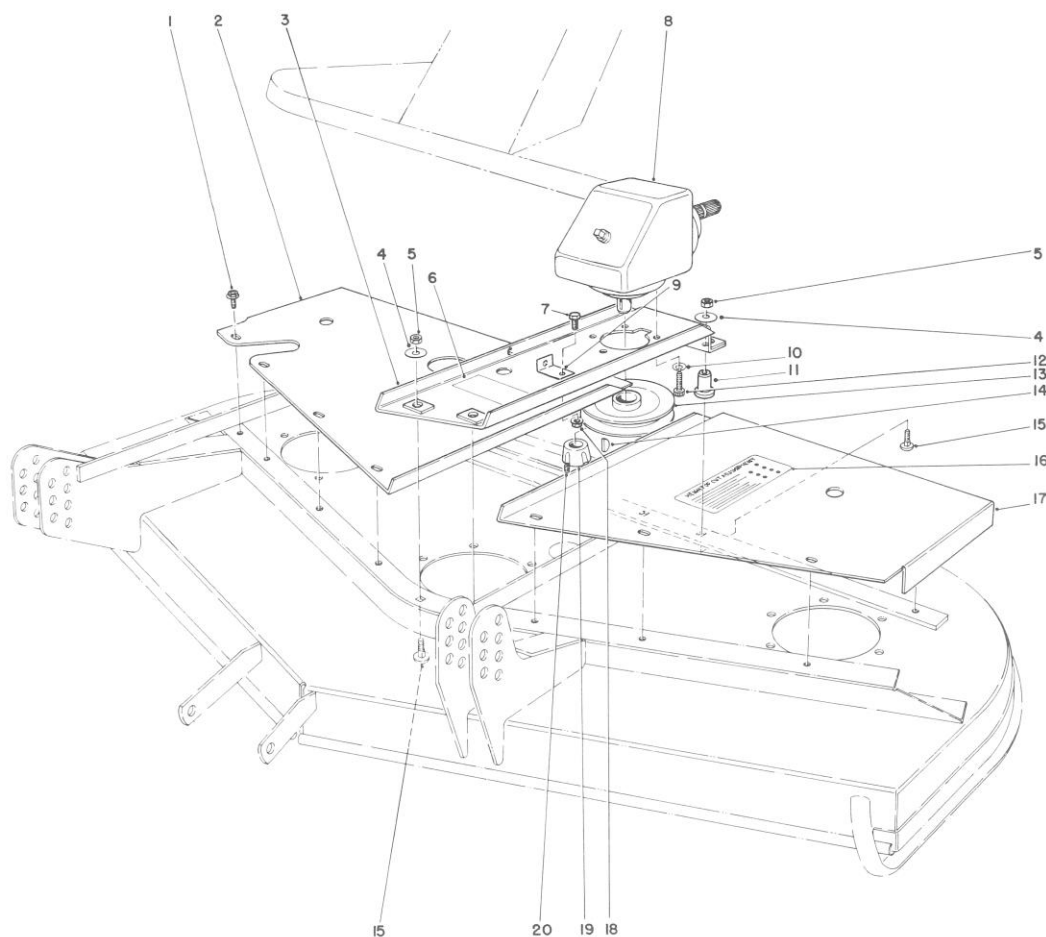


CUTTING UNIT MODEL NO. 30568 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-384	Lynch Pin	2
2	44 2170	Frame — Deck Assembly (Incl. Ref. #5, 6 & 19)	1
3	3290-355	Pin — Hair	4
4	283-55	Pin Clevis	4
5	302-40	Grease Fitting	2
6	256-101	Bushing	4
7	40-9520	Spacer — Split	4
8	40-0330	Cushion Rubber	2
9	27-1210	Roller Bearing	2
10	27-1200	Spanner Bushing	2
11	27-1180	Bearing Retainer	4
12	27-1170	Thrust Washer	4

Ref. No.	Part No.	Description	No. Used
13	328-9	Screw — Cap Hex. Hd.	2
14	40-0370	Front Castor Fork	2
15	302-55	Fitting — Grease	2
16†	27-1050	Wheel Assembly (Incl. Ref. #9-12 & 15)	2
17	32153-6	Nut — Lock	2
18	3-6781	Washer — Thrust	8
19	28-9290	Bushing — Special	4
20	302-5	Fitting — Grease	2
21	3296-2	Nut — Lock	4
22	42-6200	Shim — Cushion	3
23	32122-28	Screw — Machine Truss Hd.	4

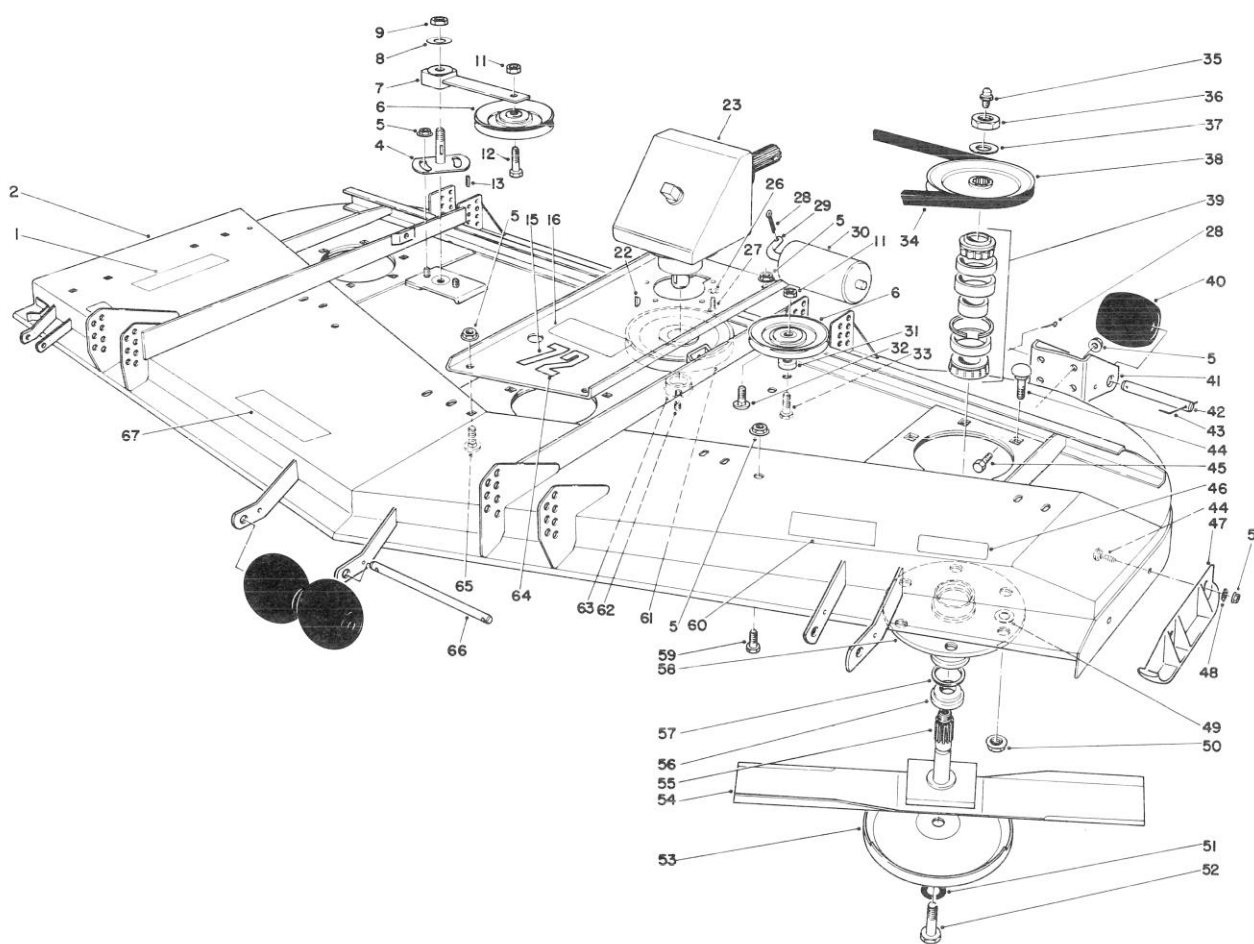
†Note: See page 58 for Pneumatic Caster Wheel Assembly.



CUTTING UNIT MODEL No. 30568 (Continued)

Ref. No.	Part No.	Description	No. Used
1	46-8560	Screw Self Tapping Flange Hex. Hd.	11
2	40-0410	Cover R.H.	1
3	63-9760	Base — Gear Box	1
4	63-8410	Washer — Lock	4
5	3217-7	Nut	4
6	44-6470	Decal — Caution	1
7	322-4	Screw — Cap Hex. Hd.	2
8	63-9890	Gear Box	1
9	46-3590	Bracket — Extension	1
10	3253-21	Lockwasher	5

Ref. No.	Part No.	Description	No. Used
11	63-9750	150 Mount — Gear Box	4
12	3274-1	Capscrew Socket Hd.	5
13	63-9900	Pulley	1
14	3257-5	Key Woodruff	1
15	3231-26	Bolt — Carriage	4
16	42-6860	Decal — Height of Cut	1
17	42-4660	Cover L.H.	1
18	32128-20	Nut — Lock Flange Hex	2
19	27-6140	Bushing — Taper Lock	1
20	3245-9	Set Screw Socket Hd.	1

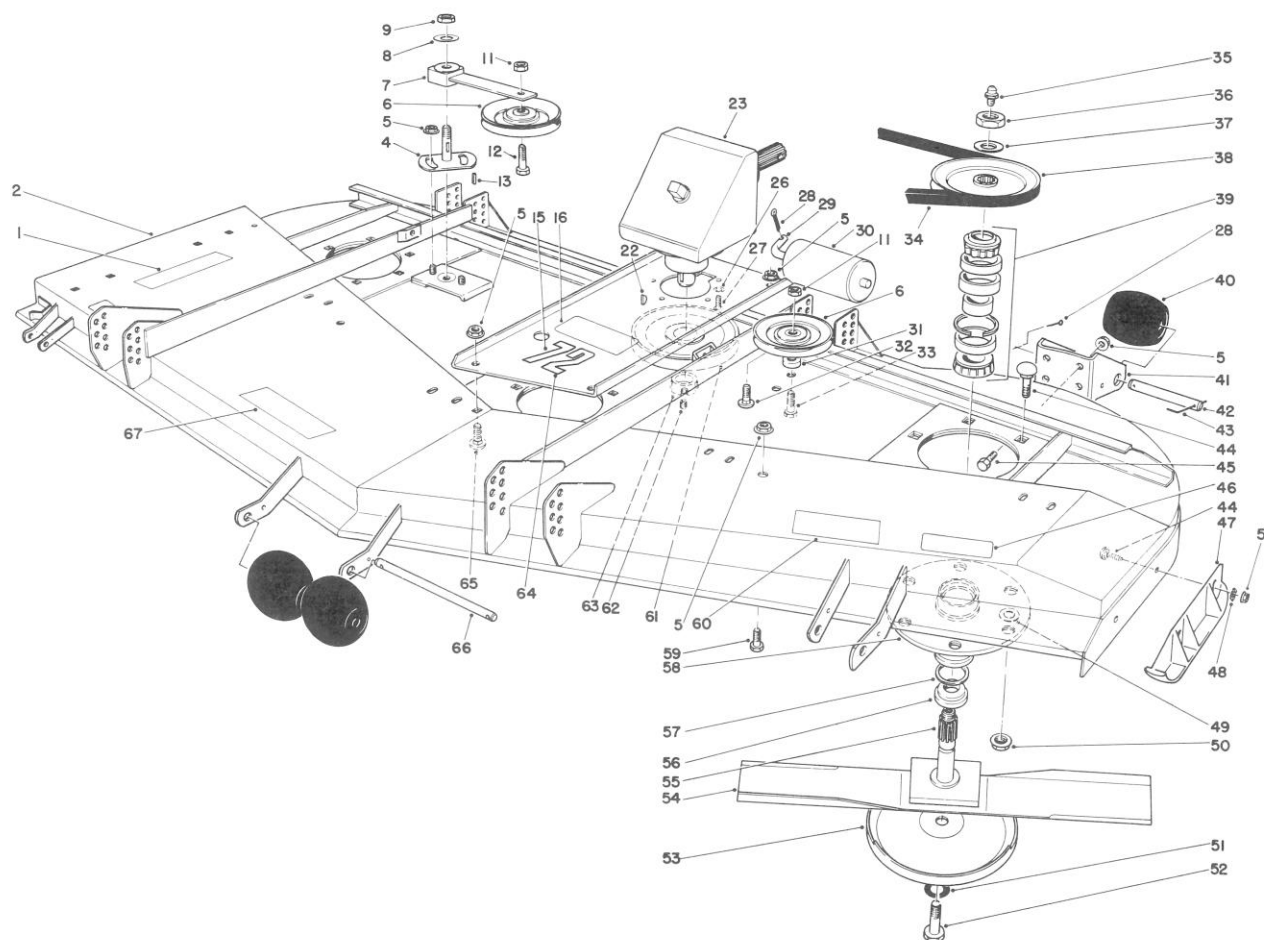


CUTTING UNIT MODEL NO. 30575

Ref. No.	Part No.	Description	No. Used
1	26-7980	Decal — Caution	1
2	57-0300	Housing	1
4	44-6300	Idler Plate	1
5	3290-357	Nut — Lock	16
6	52-4580	Pulley — Idler	2
7	27-8580	Idler Socket & Bushing Assembly	1
8	3256-27	Washer	1
9	3296-33	Nut — Lock	1
11	3296-5	Nut — Lock	2
12	3211-8	Screw — Cap Hex. Hd.	1
13	5-1077	Key Square	1
15	57-0540	Base — Gear Box	1
16	44-6470	Decal — Caution	1
22	3257-5	Key — Woodruff	1
23	8-0909	Gear Box	1
26	3253-21	Washer — Lock	5
27	3274-1	Screw — Cap Socket Hd.	5
28	3272-11	Pin — Cotter	7
29	40-0340	Shaft — Rear Roller	2
30	36-1740	Roller — Deck	2
31	44-6390	Spacer	1

Ref. No.	Part No.	Description	No. Used
32	3231-27	Bolt — Carriage	2
33	3211-9	Screw — Cap Hex. Hd.	1
34	57-0240	V-Belt	1
35	302-2	Fitting Grease	3
36	32146-20	Nut — Hex Jam	3
37	7-4150	Washer	3
38	57-0560	Pulley	3
39	46-8530	Bearing Assembly	3
40	29-4820	Roller	6
41	57-0580	Bracket — Roller Left Rear	1
*	57-0590	Bracket Roller Right Rear	1
42	57-0680	Roller Shaft	4
43	57-0690	Cotter Pin — Special	5
44	3231-22	Bolt — Carriage	20
45	323-7	Screw — Cap Hex. Hd.	4
46	26-7970	Decal — Caution	2
47	57-0570	Skid	1
48	3290-224	Washer — Lock	2
49	3256-24	Washer	A/R
50	32128-21	Nut — Lock Flange	18
51	3253-27	Washer — Lock	3
52	44-2200	Capscrew Blade	3

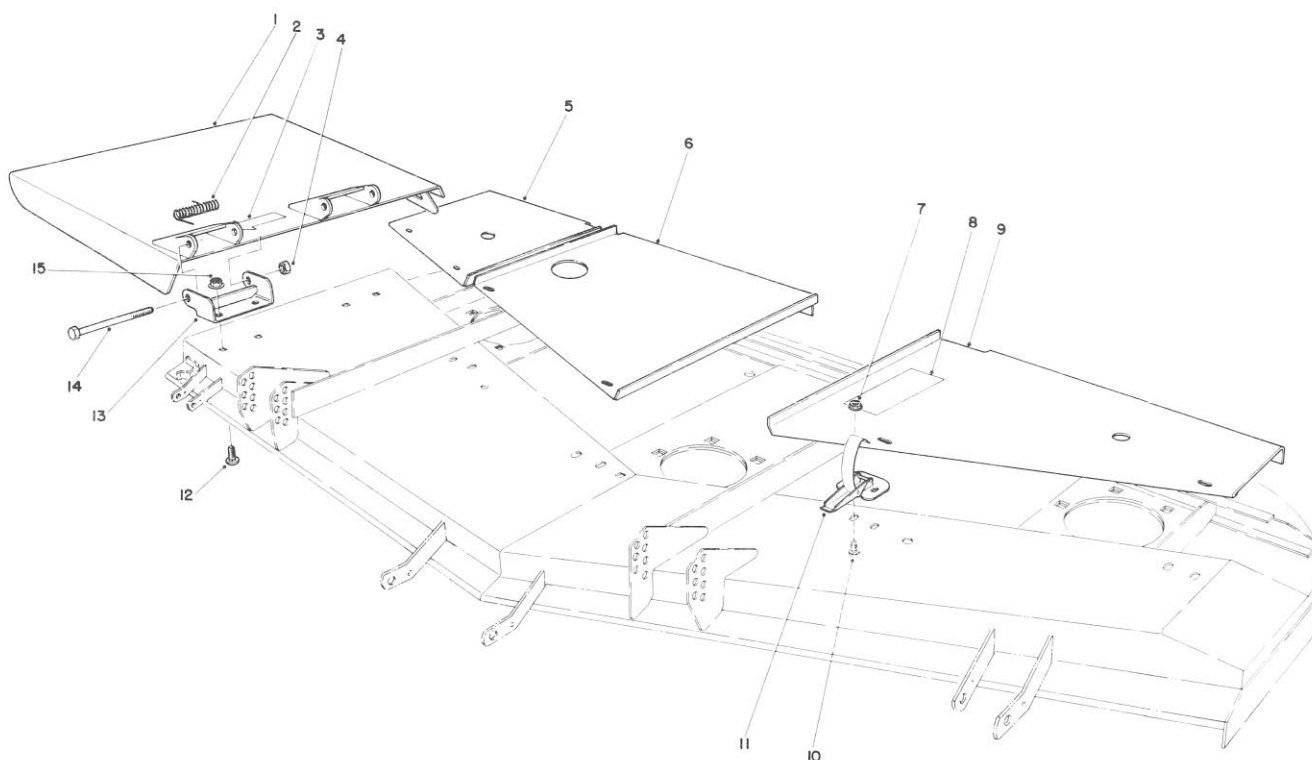
*Not Illustrated



CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
53	27-1000	Anti-Scalp Cup	3
54	57-0250	Blade	3
55	27-0920	Spindle Shaft	3
56	27-0950	Spacer — Spindle Bearing	3
57	253-139	Seal — Wave	6
58	61-4160	Spindle Housing	3
59	323-4	Screw — Cap Hex. Hd.	2
60	57-0770	Decal — Rear Weight	1

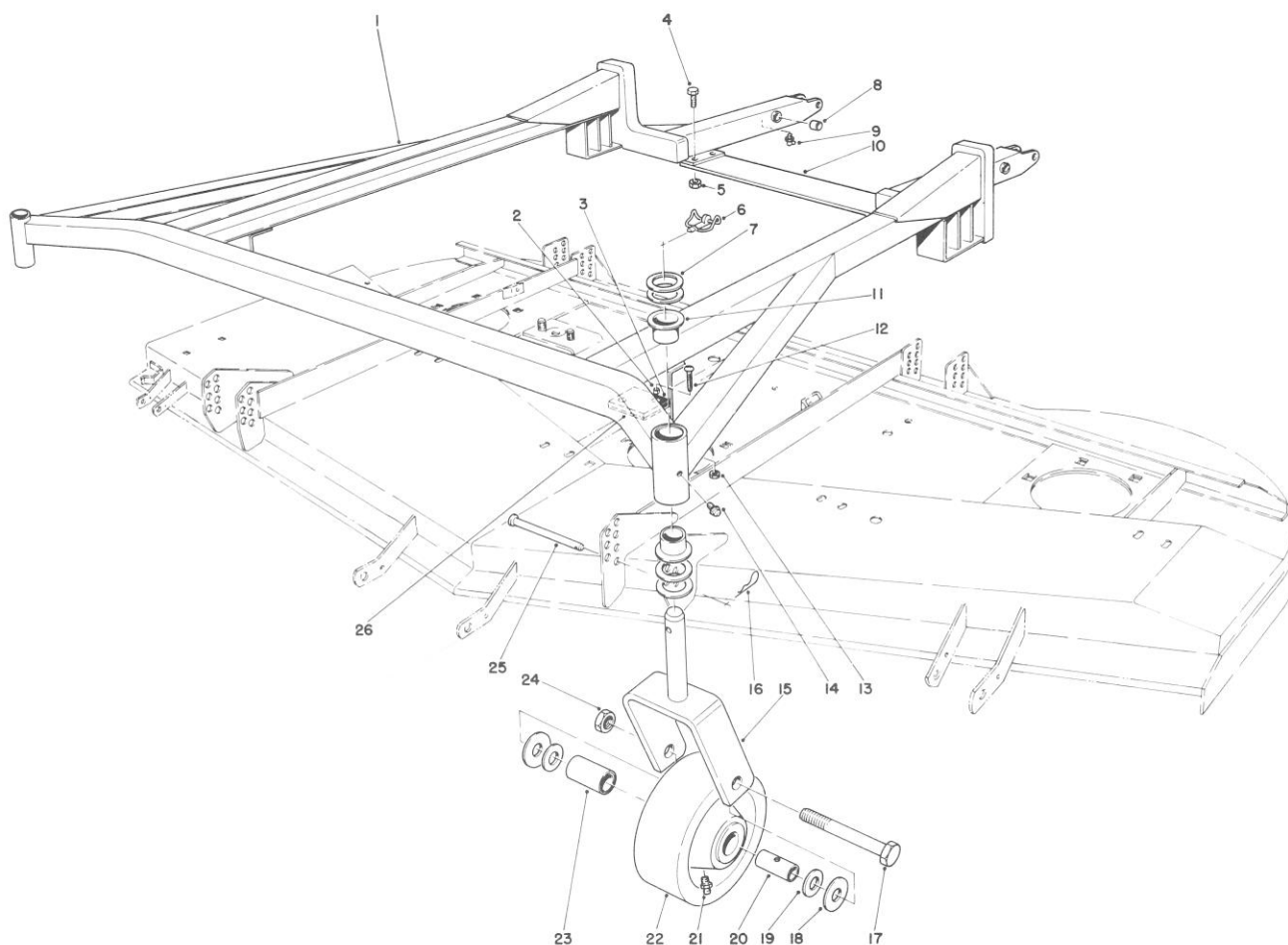
Ref. No.	Part No.	Description	No. Used
61	27-6110	Pulley — Gear Box	1
62	3245-9	Screw — Set Socket Hd.	2
63	27-6140	Bushing Taper Lock	1
64	57-0280	Decal — 72	1
65	3231-21	Bolt — Carriage	2
66	40-6400	Shaft — Roller	1
67	57-0270	Decal — Caution	1



CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
1	52-5790	Deflector	1
2	51-1550	Spring	2
3	26-7120	Decal — Blade Line	1
4	32153-5	Nut — Lock	2
5	57-0230	Cover R.H.	1
6	57-0210	Cover — Center	1
7	32128-17	Nut — Lock	12
8	42-6860	Decal — Height of Cut	1

Ref. No.	Part No.	Description	No. Used
9	57-0220	Cover L.H.	1
10	3290-321	Screw — Machine Hex Slotted	12
11	249-21	Latch — Draw	6
12	3231-27	Bolt — Carriage	4
13	51-1530	Hinge Bracket	2
14	325-17	Screw — Cap Hex. Hd.	2
15	3290-357	Nut — Lock, Hex Flange	4

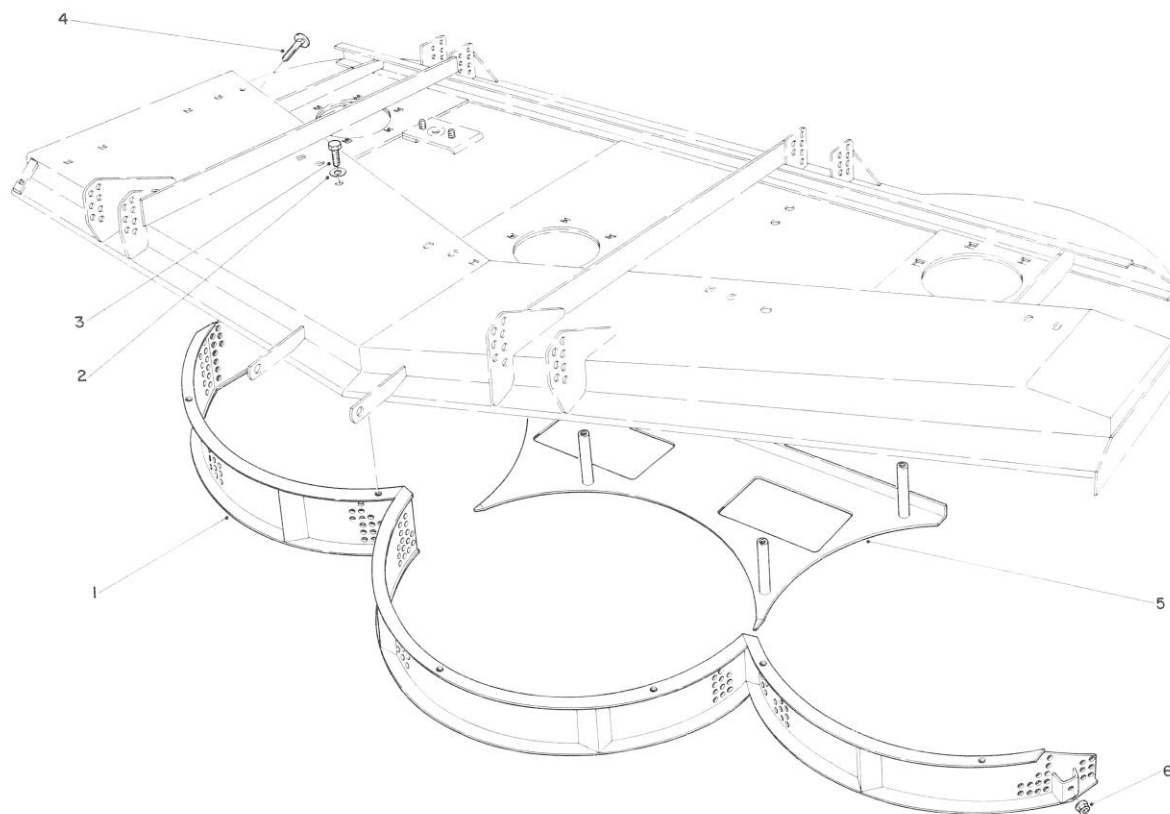


CUTTING UNIT MODEL NO. 30575 (Continued)

Ref. No.	Part No.	Description	No. Used
1	57-0600	Suspension Frame (Incl. Ref. # 4-5, 8-10 & 11)	1
2	40-9520	Spacer — Split	4
3	40-0330	Cushion — Rubber	2
4	323-6	Screw — Cap Hex. Hd.	4
5	32153-2	Nut — Lock	4
6	3290-384	Lynch Pin	2
7	3-6781	Washer — Thrust	8
8	256-101	Bushing	2
9	302-40	Fitting — Grease	2
10	57-0780	Plate — Lift Arm	2
11	28-9290	Bushing — Special	4
12	32122-28	Screw — Machine Truss Hd.	4
13	3296-2	Nut — Lock	4

Ref. No.	Part No.	Description	No. Used
14	302-5	Grease Fitting	2
15	40-0370	Castor Fork	2
16	3290-355	Pin — Hair	4
17	328-9	Screw — Cap Hex. Hd.	2
18	27-1170	Thrust Washer	4
19	27-1180	Bearing — Retainer	4
20	27-1200	Spanner Bushing	2
21	302-55	Grease Fitting	2
22†	27-1050	Castor Wheel Assembly (Incl. Ref. #18-21 & 23)	2
23	27-1210	Roller Bearing	2
24	32153-6	Nut — Lock	2
25	283-55	Pin — Clevis	4
26	42-6200	Shim — Cushion	A/R

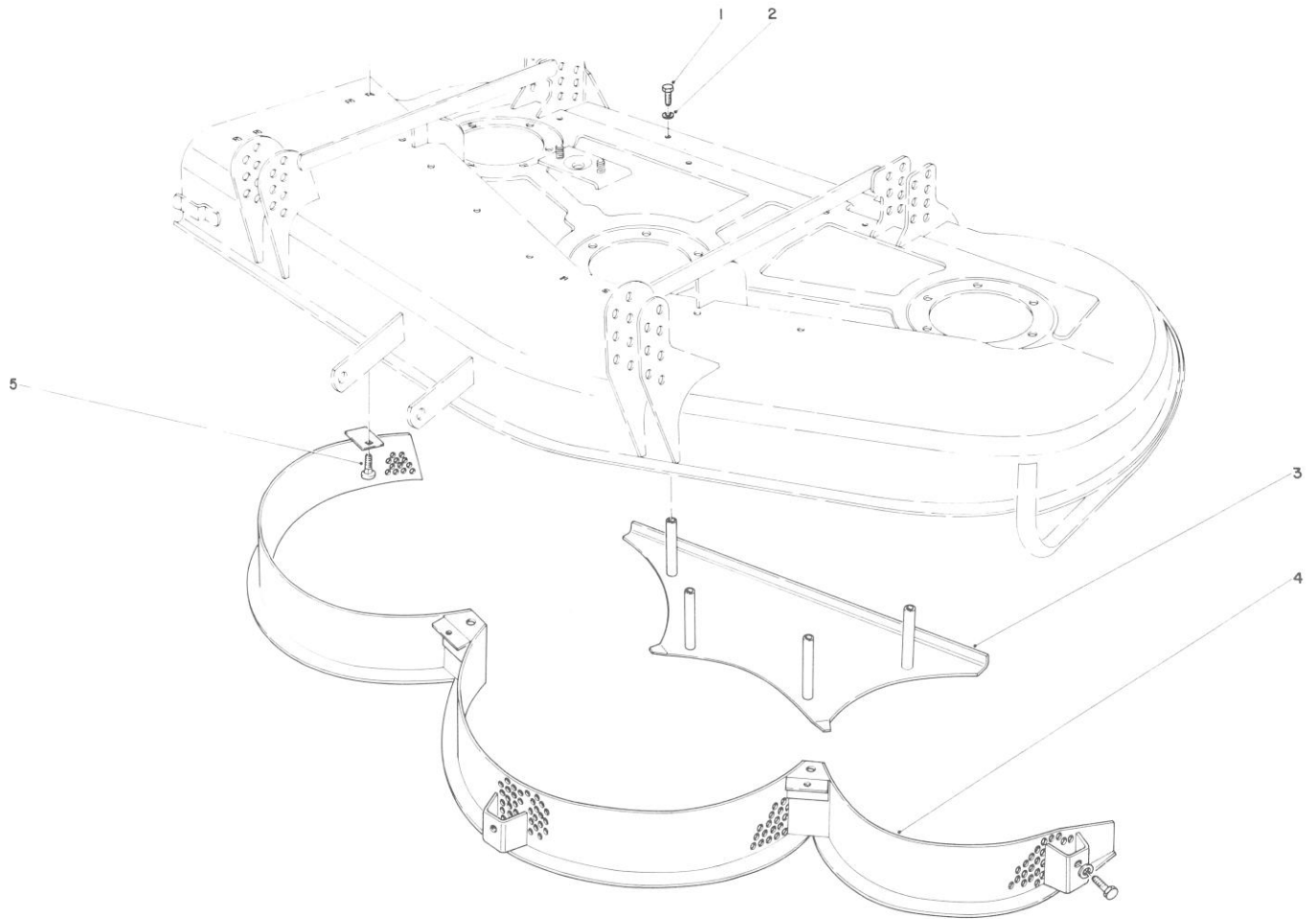
†Note: See Page 58 for pneumatic caster wheel assembly.



MULCHER KIT MODEL NO. 30792 (Optional)
(Used With Model 30564 Cutting Unit)

Ref. No.	Part No.	Description	No. Used
1	46-3010	Mulcher Screen	1
2	3253-21	Washer — Lock	10
3	323-4	Capscrew — Hex. Hd.	11

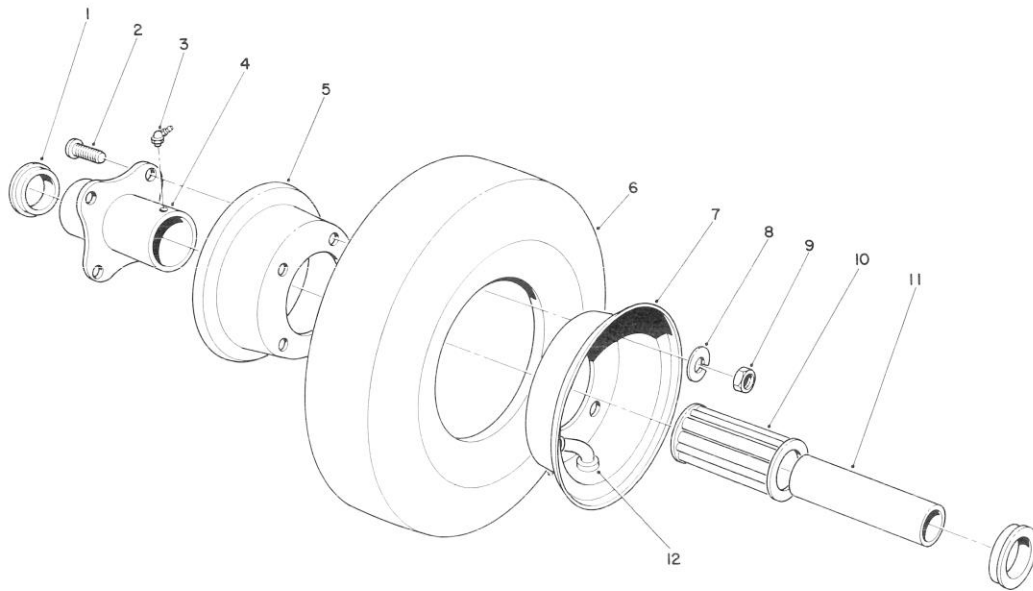
Ref. No.	Part No.	Description	No. Used
4	3230-2	Bolt — Carriage	1
5	46-3150	Shelf — Bottom Rear	1
6	3290-357	Nut — Lock Hex Flange	6



MULCHER KIT MODEL NO. 30700 (Optional)
(For Cutting Unit Model 30555)

Ref. No.	Part No.	Description	No. Used
1	323-6	Capscrew	8
2	3253-21	Lockwasher	8
3	42-6340	Bottom Rear Shelf	1

Ref. No.	Part No.	Description	No. Used
4	42-6310	Mulcher Screen	1
5	3230-1	Carriage Bolt	1

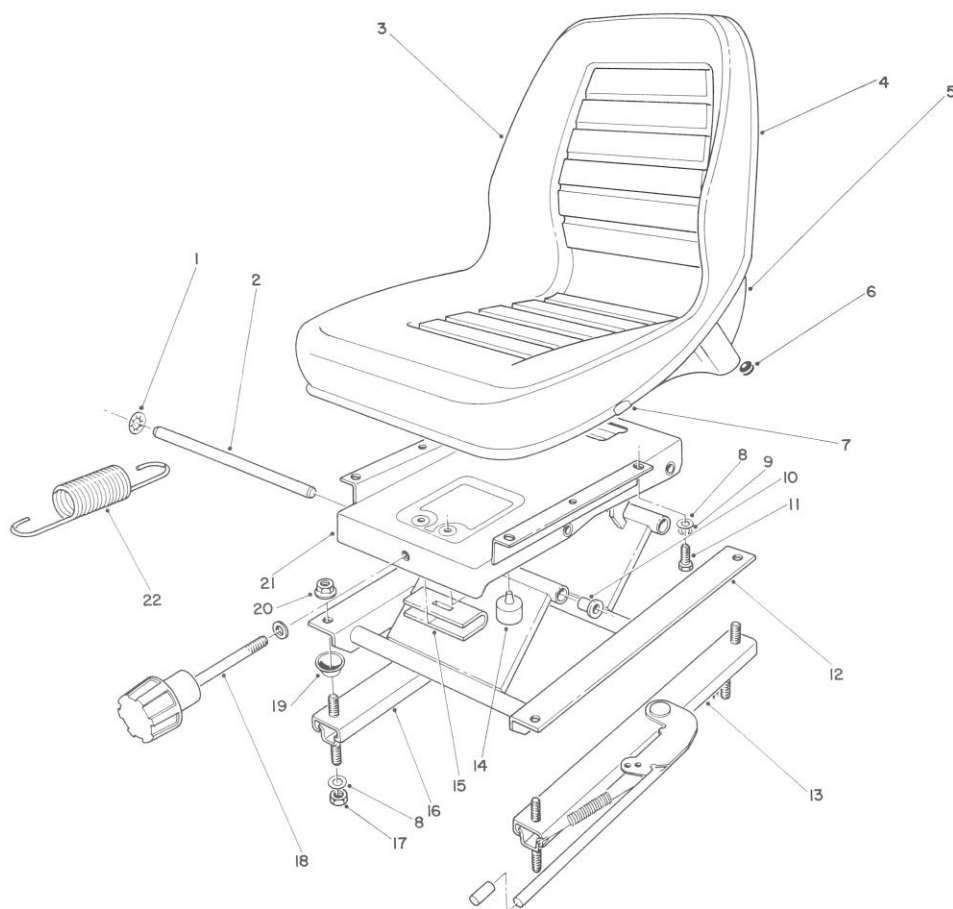


PNEUMATIC CASTER WHEEL ASSEMBLY (Optional)

Ref. No.	Part No.	Description	No. Used
1	54-8840	Retainer	2
2	54-8890	Bolt - Wheel	4
3	302-61	Fitting Grease	1
4	54-8830	Hub - Centered	1
5	54-8910	Wheel Half - Female	1
6	54-8870	Tire	1
7	54-8900	Wheel Half - Male	1

Ref. No.	Part No.	Description	No. Used
8	3253-4	Washer - Lock	4
9	3217-6	Nut - Hex	4
10	54-8850	Bearing - Roller Open Cage	1
11	54-8860	Bushing - Spanner	1
12	54-8880	Tube w/Valve	1
*	54-8820	Caster Assembly (Complete)	2

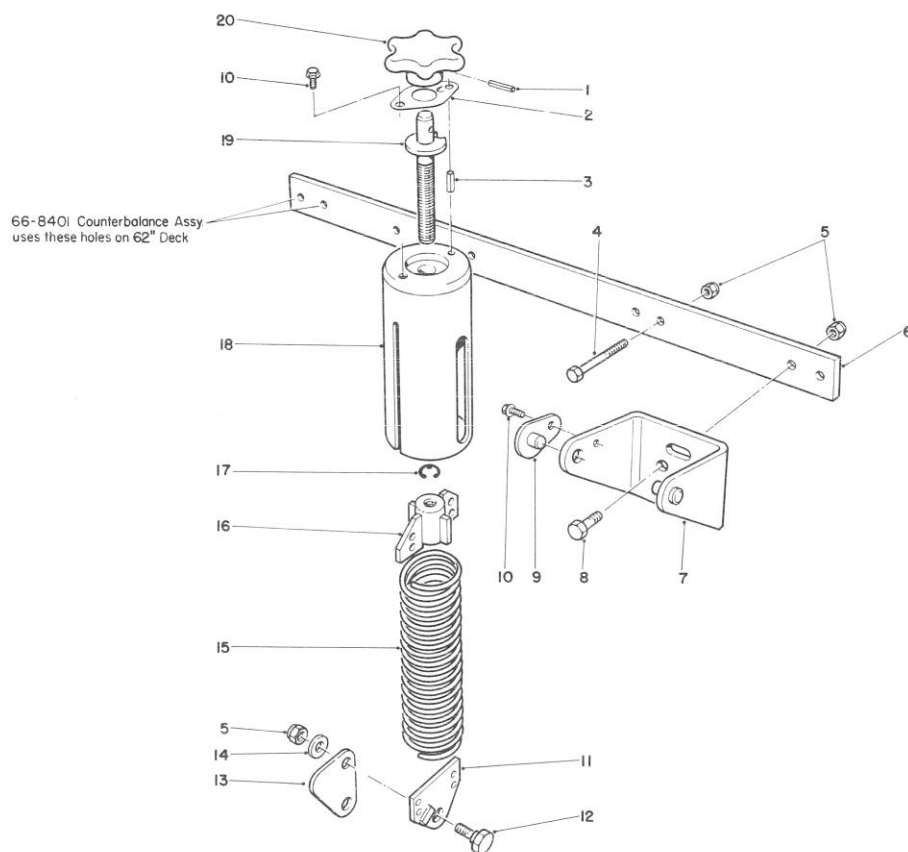
*Not Illustrated



DELUXE SEAT KIT MODEL NO. 30772

Ref. No.	Part No.	Description	No. Used
1	66-8560	Nut — Push	4
2	66-8550	Shaft — Pivot	2
3		Cushion — Seat	1
4		Trim — Seat	1
5		Base — Seat	1
6		Grommet	1
7		Cup	1
8	3256-2	Washer — Flat	8
9	3253-4	Lockwasher	4
10	66-8580	Bearing — Flange	4
11	322-3	Hex Hd. Capscrew	4

Ref. No.	Part No.	Description	No. Used
12	66-8610	Frame — Lower	1
13	66-8510	Adjuster w/Handle	1
14	66-8520	Bumper — Stop	2
15	66-8540	Hanger — Spring	1
16	66-8530	Adjuster	1
17	3296-29	Hex Nut	4
18	66-8590	Knob — Adjustment	1
19	66-9290	Spacer — Suspension	4
20	32128-25	Flange Locknut	4
21	66-8600	Frame — Upper	1
22	66-8570	Spring — Extension	2



52" COUNTERBALANCE KIT NO. 66-2200

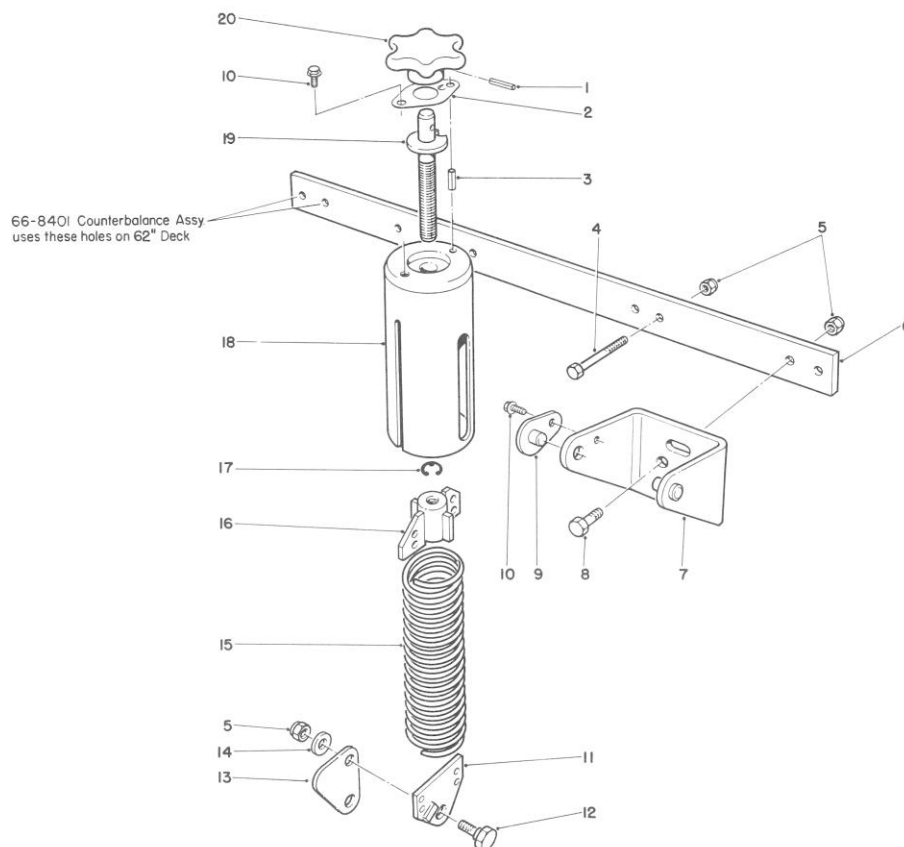
Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	1
2	66-8330	Spring — Detent	1
3	32121-13	Roll Pin	1
4	323-11	Screw — Cap Hex Hd.	2
5	3296-39	Nut — Hex	4
6†**	66-8210	Adapter	—
7†	66-8220	Bracket	—
*	66-8470	Bracket	1
8†	323-6	Screw — Cap Hex Hd.	—
9	66-8250	Lockpin	1
10	12-3270	Screw — Self-Tap	2
11	66-8420	Spring End	1
12	46-3380	Bolt — Shoulder	2
13	66-8450	Link — Knee	1

Ref. No.	Part No.	Description	No. Used
*†	66-8440	Link — Knee	—
14	3256-24	Washer — Flat	2
15	66-8310	Spring — Heavy Duty	1
*†	66-8410	Spring — Light Duty	—
16	66-8340	Spring End	1
17	32120-47	E-Ring	1
18	66-8300	Cover Assembly	1
19	66-8270	Shaft	1
20	59-4380	Knob	1
*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	1
*†	66-8401	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	—

*Not Illustrated

60 †Not used for 52" Cutting Unit

**Not used on GM-220D



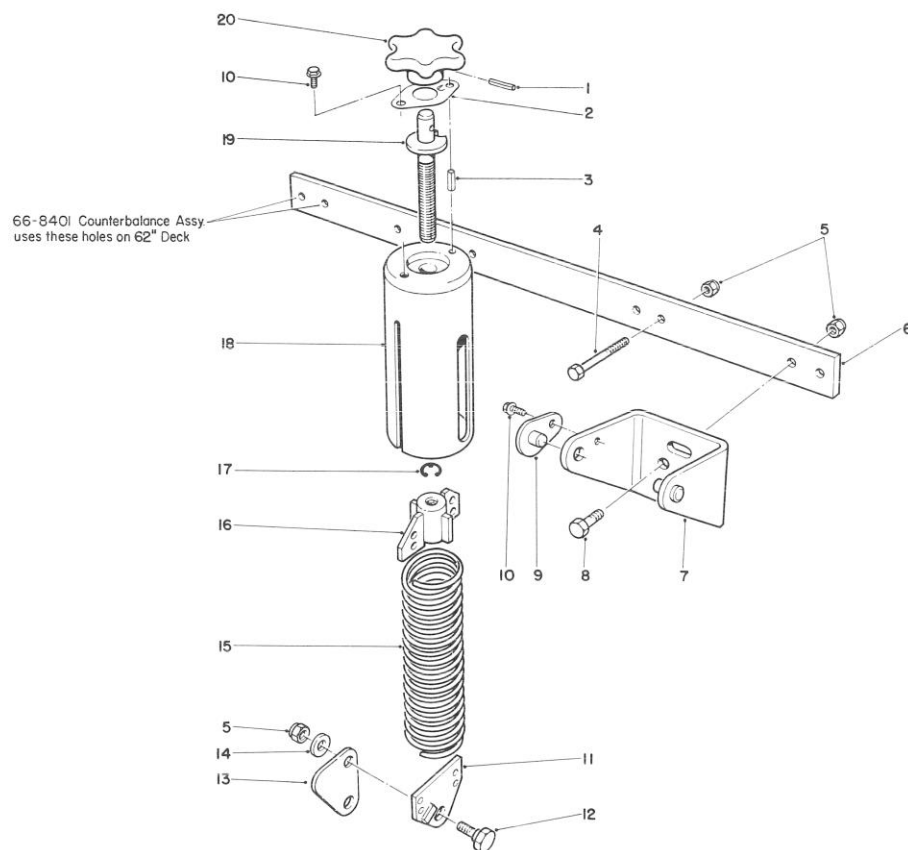
62" COUNTERBALANCE KIT NO. 66-2210

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	2	*	66-8440	Link — Knee	2
2	66-8330	Spring — Detent	2	14	3256-24	Washer — Flat	2
3	32121-13	Roll Pin	2	15	66-8310	Spring — Heavy Duty	1
4	323-11	Screw — Cap Hex Hd.	4	*	66-8410	Spring — Light Duty	1
5	3296-39	Nut — Hex	10	16	66-8340	Spring End	1
6**	66-8210	Adapter	1	17	32120-47	E-Ring	2
7	66-8220	Bracket	2	18	66-8300	Cover Assembly	2
*†	66-8470	Bracket	—	19	66-8270	Shaft	2
8	323-6	Screw — Cap Hex Hd.	4	20	59-4380	Knob	2
9	66-8250	Lockpin	2	*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	1
10	12-3270	Screw — Self-Tap	4	*	66-8401	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	1
11	66-8420	Spring End	2				
12	46-3380	Bolt — Shoulder	2				
13†	66-8450	Link — Knee	—				

*Not Illustrated

†Not used for 62" Cutting Unit

**Not used on GM-220D



72" COUNTERBALANCE KIT NO. 66-2220

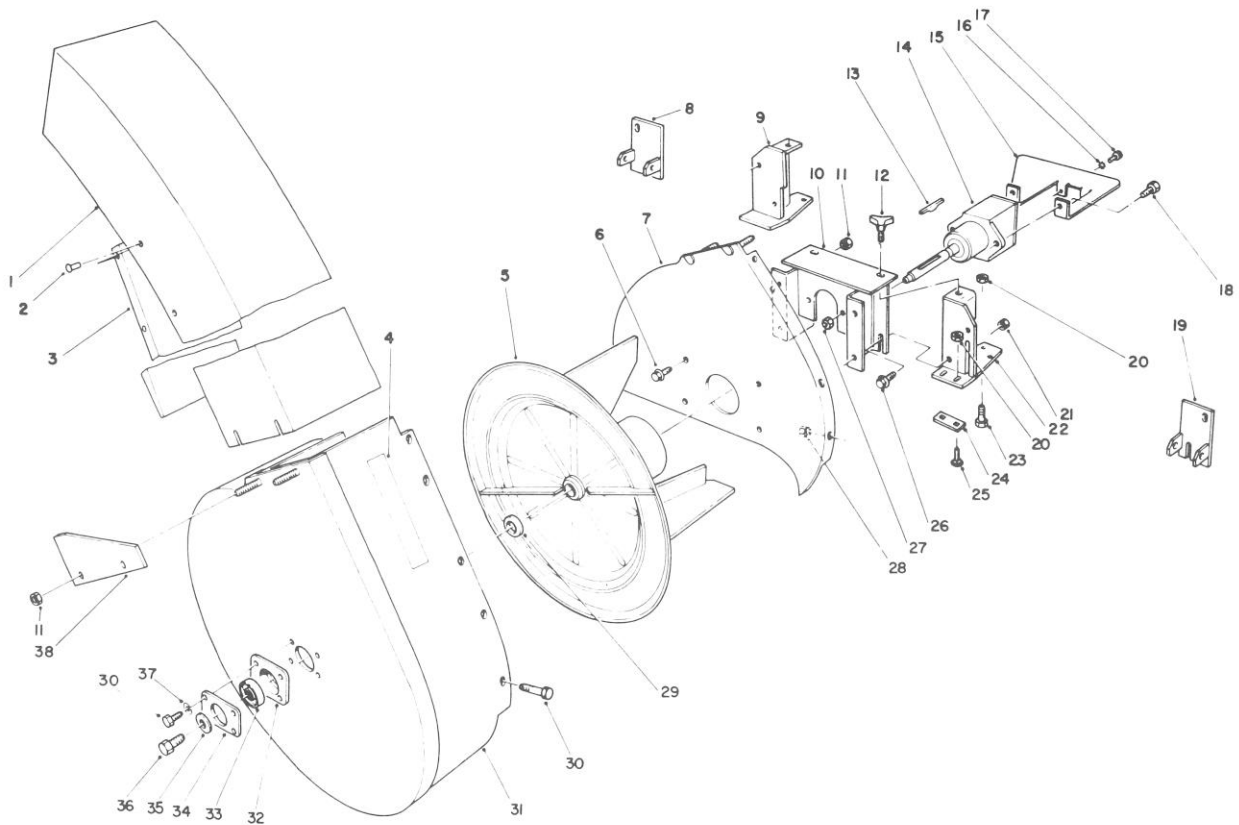
Ref. No.	Part No.	Description	No. Used
1	32121-12	Roll Pin	2
2	66-8330	Spring — Detent	2
3	32121-13	Roll Pin	2
4	323-11	Screw — Cap Hex Hd.	4
5	3296-39	Nut — Hex	10
6**	66-8210	Adapter	1
7	66-8220	Bracket	2
*†	66-8470	Bracket	—
8	323-6	Screw — Cap Hex Hd.	4
9	66-8250	Lockpin	2
10	12-3270	Screw — Self-Tap	4
11	66-8420	Spring End	2
12	46-3380	Bolt — Shoulder	2
13†	66-8450	Link — Knee	—

Ref. No.	Part No.	Description	No. Used
*	66-8440	Link — Knee	2
14	3256-24	Washer — Flat	2
15	66-8310	Spring — Heavy Duty	2
*†	66-8410	Spring — Light Duty	—
16	66-8340	Spring End	2
17	32120-47	E-Ring	2
18	66-8300	Cover Assembly	2
19	66-8270	Shaft	2
20	59-4380	Knob	2
*	66-8400	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	2
*†	66-8401	Counterbalance Assy. (Incl. Ref. #1-3 & 11-20)	—

*Not Illustrated

†Not used for 72" Cutting Unit

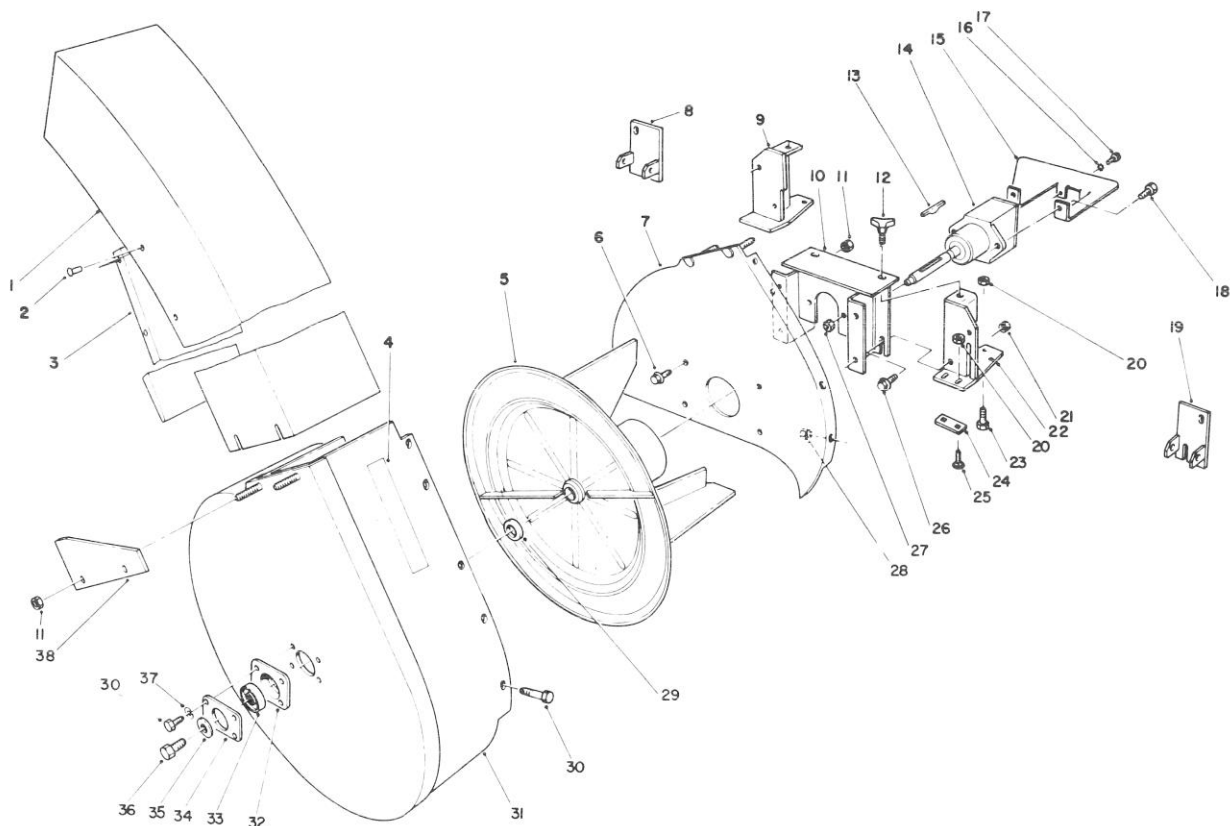
62 **Not used on GM-220D



GRASS COLLECTOR MODEL 30561 (Optional)

Ref. No.	Part No.	Description	No. Used
1	44-5300	Chute Assembly (Incl. Ref. #2 & 3)	1
2	3290-409	Rivet	8
3		Deflector — Chute	1
4	43-1110	Decal — Warning	1
5	56-4780	Impeller	1
6	3234-5	Screw — Flange	4
7	59-5070	Mounting Plate	1
8	59-4980	Pivot Bracket — Deflector L.H.	1
9	59-5050	Bracket L.H.	1
10	59-5140	Blower Mount	1
11	3296-29	Nut	8
12	62-6520	Knob	2
13	3257-40	Key — Hi Pro	1
14	53-4530	Gear Box Assembly	1

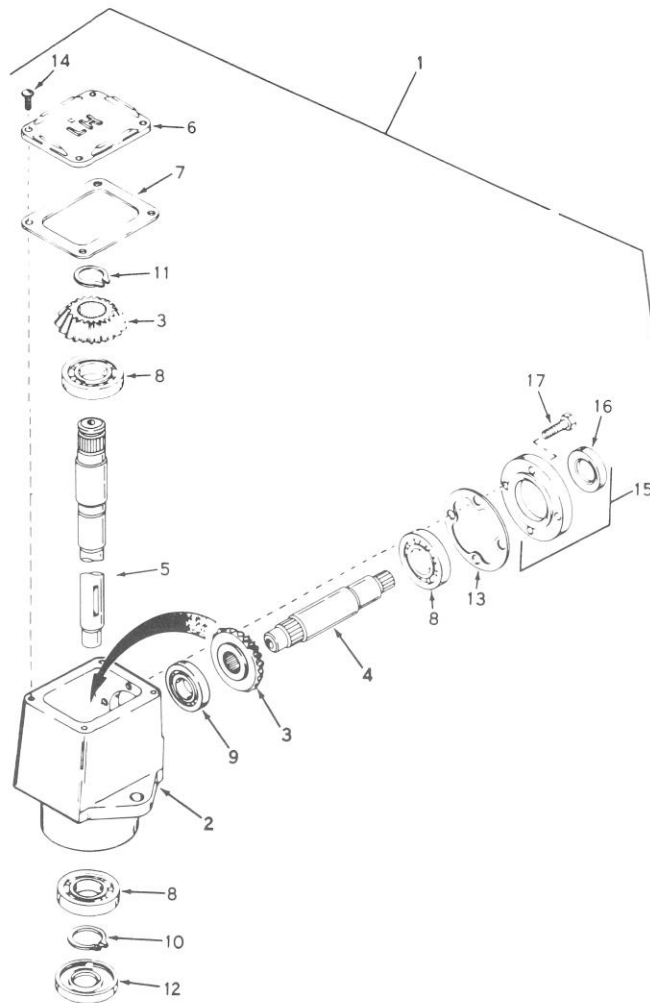
Ref. No.	Part No.	Description	No. Used
15	59-5150	Cover — Gear Box	1
16	3255-17	Lockwasher	2
17	3290-134	Capscrew	2
18	323-7	Capscrew	2
19	59-5000	Pivot Bracket — Deflector R.H.	1
20	32152-1	Locknut	6
21	3218-3	Nut — Jam	2
22	59-5090	Bracket R.H.	1
23	322-3	Capscrew	2
24	44-5460	Plate Bracket L.H.	2
25	3230-1	Bolt — Carriage	4
26	3234-11	Screw Flange	2
27	3296-44	Nut	2
28	3296-42	Nut	9
29	63-9710	Spacer — Bearing	1



GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
30	321-3	Capscrew	13
31	13-0269	Blower Housing (Incl. Ref. #4)	1
32	37-6730	Cup-Bearing	1
33	38-7820	Bearing — Ball	1
34	63-9700	Plate Cover	1

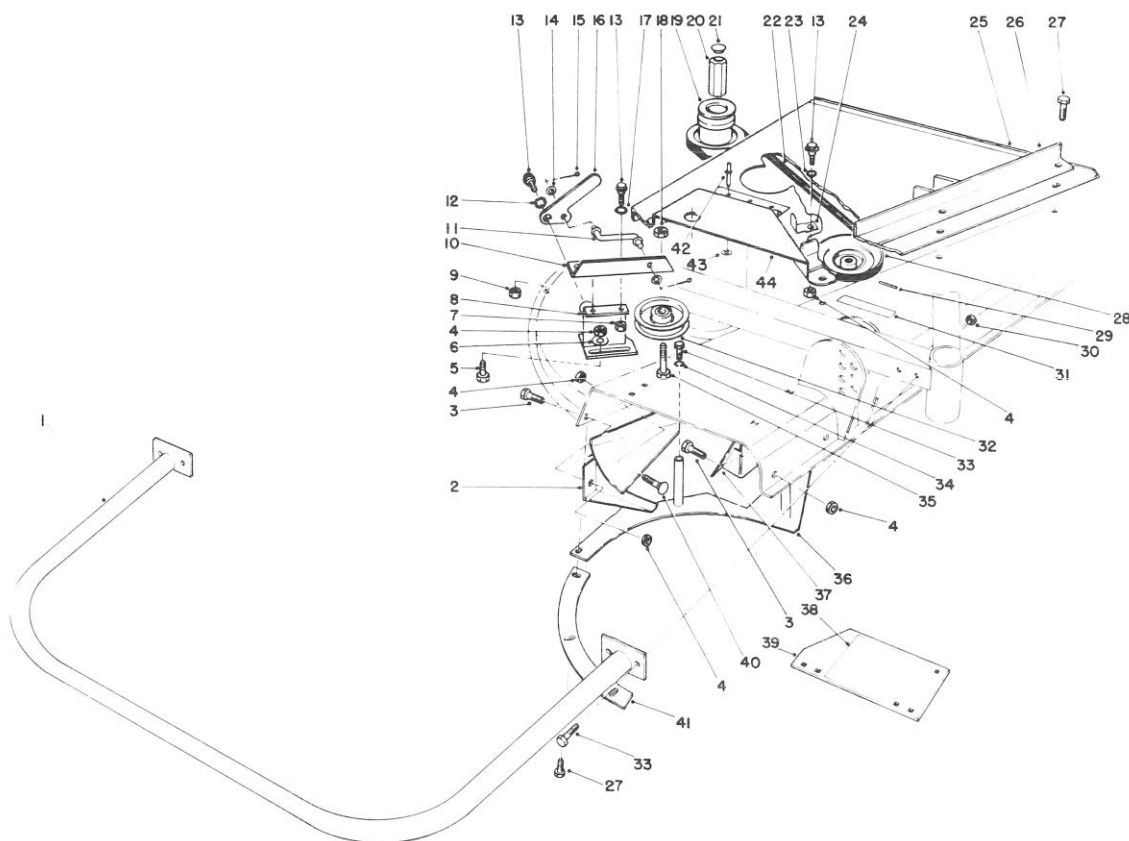
Ref. No.	Part No.	Description	No. Used
35	43-0940	Spacer — Blower Hub	1
36	3235-22	Capscrew	1
37	3253-3	Lockwasher	4
38	43-0960	Bracket — Chute	1



GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
1	794402	Head Assy., Left Hand (Incl. Ref. #2-15)	1
2	770026A	Housing, Right Angle Drive	1
3	778046	Gear, Miter	2
4	776250	Shaft, Input	1
5	776249	Shaft, Output	1
6	772035	Cover	1
7	788028	Gasket, Cover	1
8	780034	Bearing, Ball	3
9	780024	Bearing, Ball	1

Ref. No.	Part No.	Description	No. Used
10	788019	Ring, Snap	1
11	788018	Ring, Snap	1
12	788029	Seal, Oil	1
13	788030	Gasket, Cap	1
14	792025	Screw, Rd. Hd. Self-Tap	4
15	786029	Cap & Seal Assy., Retainer (Incl. Ref. #16 & 17)	1
16	788031	Seal, Oil	1
17	792026	Screw, Hex. Hd.	4

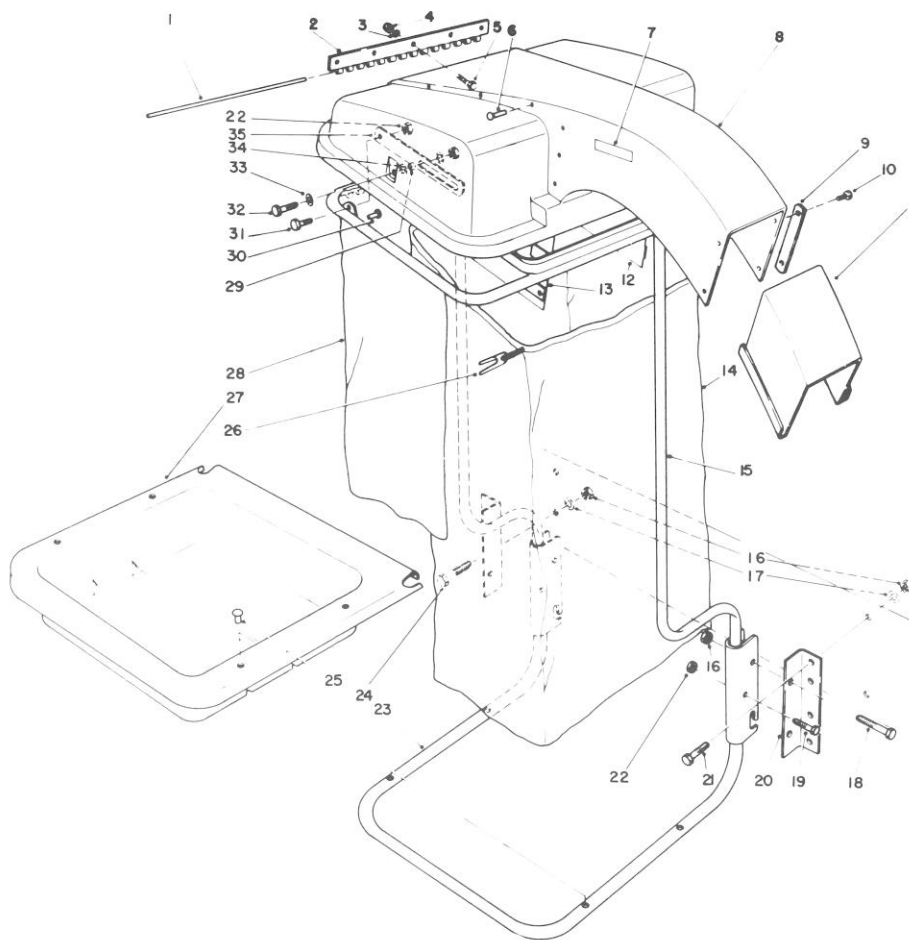


GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
1	44-7570	Bumper	1
2	43-1060	Deflector — Rear	1
3	322-4	Screw — Hex. Hd.	4
4	32152-1	Nut — Lock	10
5	322-3	Screw Hex. Hd.	3
6	3256-56	Washer — Plain	3
7	3296-29	Nut — Hex	2
8	59-4920	Bracket — Idler Mounting	1
9	32152-4	Nut — Lock	4
10	59-4930	Slide — Idler	1
11	59-4940	Idler Rod	1
12	3290-211	Washer — Spring	1
13	19-1470	Bolt — Shoulder	4
14	3256-23	Washer — Plain	2
15	3272-6	Pin — Cotter	2
16	56-4900	Lever — Idler	1
17	23-1120	Washer — Flat	2
18	3296-44	Nut — Hex	1
19	59-5170	Pulley (Splined)	1
20	59-5190	Nut — Pulley	1
21	59-5310	Cover — Nut	1
22	59-5270	V-Belt	1
23	3290-211	Washer — Spring	1

Ref. No.	Part No.	Description	No. Used
24	59-5290	Latch	1
25	59-5280	Cover — Right	1
26	66-8790	Spring Bracket	1
27	321-4	Capscrew	7
28	56-4810	Pulley — Gear Box	1
29	32121-8	Pin — Roll	1
30	32152-2	Nut — Lock	4
31	43-1120	Decal — Warning	1
32	56-4920	Pulley — Idler	1
33	323-6	Capscrew	8
34	3253-21	Washer — Lock	4
35	323-7	Screw — Hex. Hd.	1
36	44-7770	Rear Shelf	1
37	67-7540	Front — Deflector	1
38	40-5730	Decal — Caution	1
39	44-5750	Cover Plate Assembly (Incl. Ref. #38)	1
40	3230-1	Carriage Bolt	2
41	44-7780	Shelf R.H.	1
42	3290-409	Rivet — Pop	3
43	3256-21	Washer	3
44	61-8630	Cover Pulley	1
*	44-5480	Blade — High Sail (18") (Opt.)	1

*Not Illustrated



GRASS COLLECTOR MODEL 30561 (Optional)(Continued)

Ref. No.	Part No.	Description	No. Used
1	43-1000	Hinge Pin — Hood	1
2	43-0610	Hinge Half	1
3	3256-14	Washer — Flat	5
4	3296-2	Nut — Lock	5
5	3290-134	Screw — Machine Hex. Hd.	5
6	3290-412	Rivet — Pop	14
7	43-1100	Decal — Caution	2
8	67-7110	Hood Assembly (Incl. Ref. #2-7 & 12-13)	1
9	67-1730	Nut Plate	1
10	3274-31	Button Head Screw	1
11	67-1740	Snout Extension	1
12	43-0600	Screen — Left Hand	1
13	43-0570	Screen — Right Hand	1
14	43-0990	Bag — Cloth 32" (7 bushel capacity)	1
*	43-0980	Bag — Cloth 38" (10 bushel capacity) (Optional)	1
15	67-7500	Support Tube Assembly — (Upper (Incl. Ref. #25 & 28)	1
16	32152-2	Nut — Lock	12

Ref. No.	Part No.	Description	No. Used
17	3256-3	Washer — Plain	8
18	323-11	Screw — Cap Hex. Hd.	4
19	322-11	Screw — Cap Hex. Hd.	2
20	43-1010	Bracket — Frame	4
21	323-7	Screw — Cap Hex. Hd.	7
22	32152-1	Nut — Lock	6
23	43-0720	Support Tube Assembly — Lower (Incl. Ref. #25 & 27)	1
24	323-10	Screw — Cap Hex. Hd.	1
25	3290-409	Rivet — Pop	21
26	3-2781	Cord Retainer	1
*†	36-7770	Cord Retainer (optional)	1
27		Tray — Lower	1
28		Skirt — Bagging Frame	1
29	43-1020	Spacer — Pivot Arm	2
30	322-3	Screw — Hex. Hd.	2
31	322-4	Screw — Hex. Hd.	2
32	3256-56	Washer — Flat	2
33	3256-57	Washer — Fender	4
34	43-1050	Stop — Hood	2
*	44-9720	Template — Bracket	1

*Not Illustrated

†For use with 30 gallon plastic bag.

PRODUCT CHANGES

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

IDENTIFICATION AND ORDERING

Model and Serial Numbers

The Groundsmaster 220D has two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is located on the right hand side seat cover support. In any correspondence concerning the Groundsmaster 220D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Distributor, supply the following information.

1. Model and serial number of the Groundsmaster 220D.
2. Part number, description, and quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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