

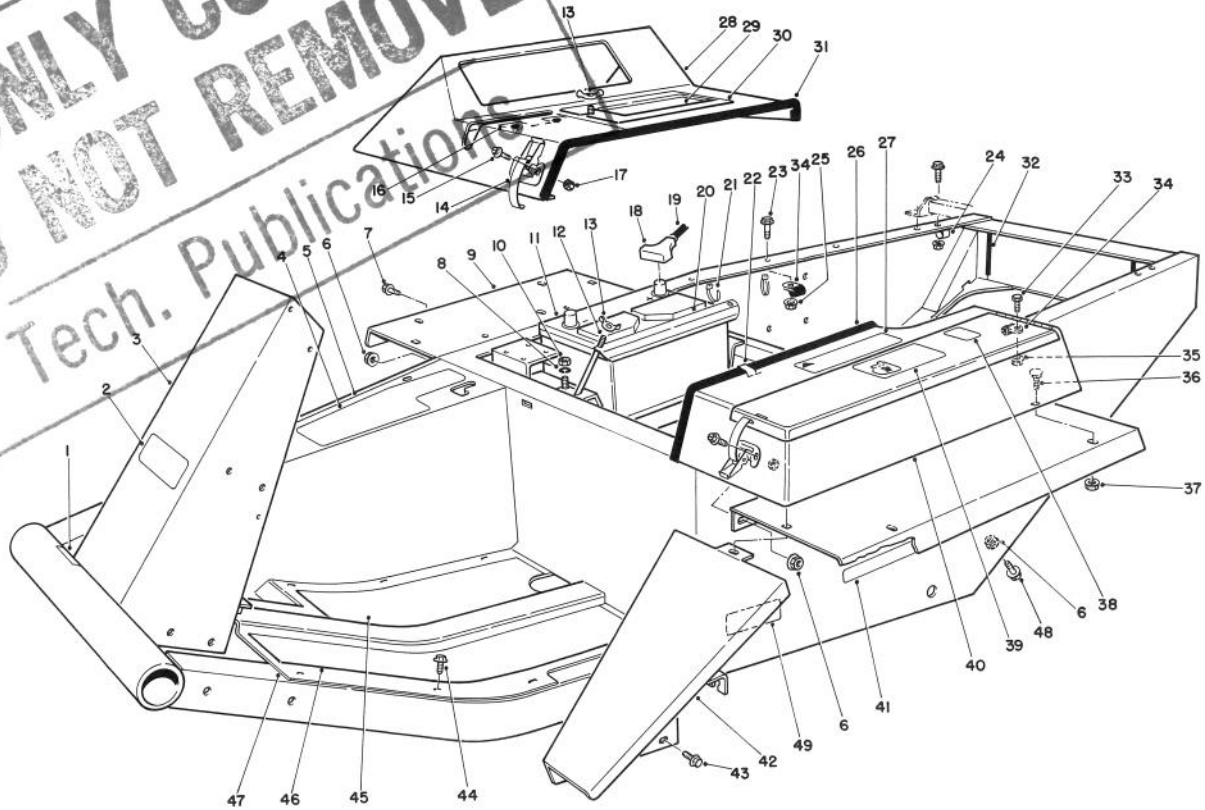


MODEL NO. 30789-10001 & UP  
 MODEL NO. 30722-10001 & UP  
 MODEL NO. 30710-10001 & UP

**PARTS  
 CATALOG**

**GROUNDMASTER® 345  
 (WITH POWER STEERING)**

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 Tech. Publications



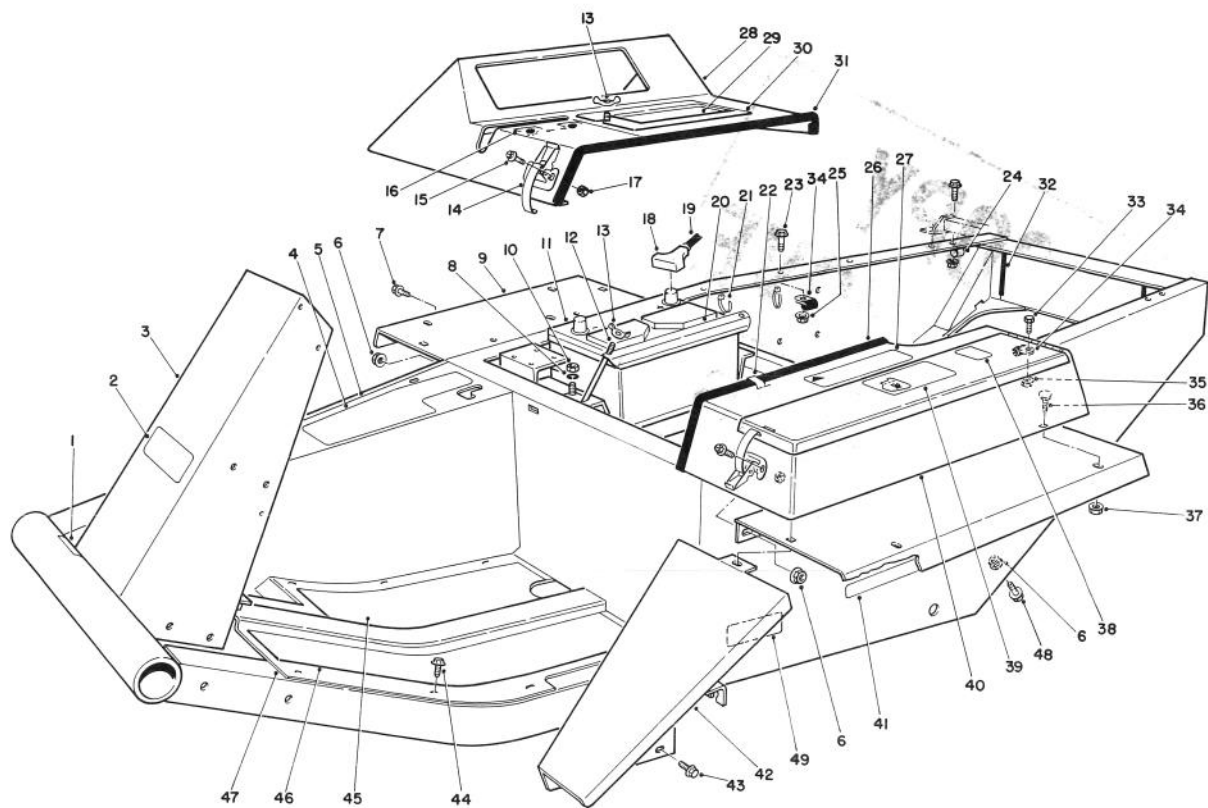
T-0913

**MAIN FRAME ASSEMBLY**

Ref. No.	Part No.	Description	No. Used
1	27-7320	Decal - Traction Pedal	1
2	63-3280	Decal - Toro	1
3	72-3630	Frame (Incl. Ref. #48)	1
4	66-6390	Decal - Caution	1
5	21-2660	Footrest	1
6	32128-21	Nut - Lock, Flange	10
7	3234-12	Screw - Flange Hex. Hd.	4
8	3253-4	Washer - Lock	2
9	72-3690	Fender	2
10	3217-6	Nut	2
†11		Battery (Group Size 24)	1
12	24-6390	Stud - Battery Hold Down	2
13	32103-2	Nut - Wing	2
14	249-21	Hook Clamp	3
15	3290-144	Screw - Machine	6
16	27-7290	Decal - Power Take Off	1
17	3296-2	Nut - Lock	6

Ref. No.	Part No.	Description	No. Used
18	28-1280	Boot - Cable	1
†19		Cable - Battery Positive	1
20	24-6420	Hold Down - Battery	1
21	3290-378	Cable Tie	2
22	2412-61	Clip - Tinnerman	2
23	3234-11	Capscrew w/Locking Flange	5
24	2412-39	Clamp	2
25	3290-357	Nut - Lock, Flange	5
26	37-9650	Trim	1
27	67-1710	Decal - Caution	1
28	38-4550	Instrument Cover	1
29	27-7280	Decal - Starting Instructions	1
30	24-9740	Cover - Battery Access	1
31	39-8020	Trim-Instrument Cover	1
32	43-4300	Trim - Rear Frame	2
33	322-5	Screw - Cap, Hex. Hd.	1
34	2412-74	Clamp	2

†Obtain Locally

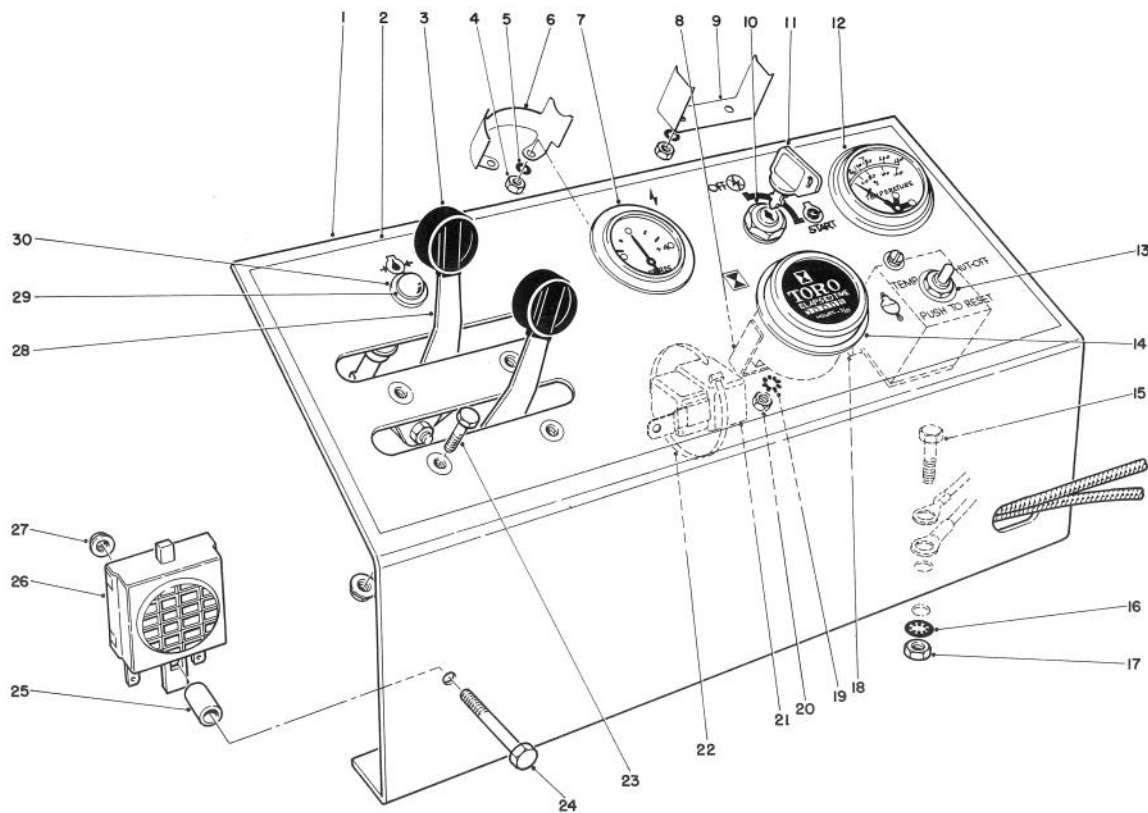


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## MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
35	32128-20	Nut - Lock, Flange	1
36	3229-1	Bolt - Carriage	5
37	32128-13	Nut - Lock, Flange	5
38	53-4420	Decal - Fuel	1
39	27-7310	Decal - Refueling	1
40	38-4530	Tool Box	1
41	67-1720	Decal - Torque	2
42	68-8610	Fender - Extension	1

Ref. No.	Part No.	Description	No. Used
43	3234-14	Screw - Cap, Hex. Hd.	2
44	12-3270	Screw - Self Tapping	11
45	21-2770	Pad - Foot Rest R.H.	1
46	21-2760	Pad - Foot Rest L.H.	1
47	23-5220	Floor Plate	1
48	3234-25	Screw - Hex. Flange Hd.	4
49	75-0810	Decal - Caution	2



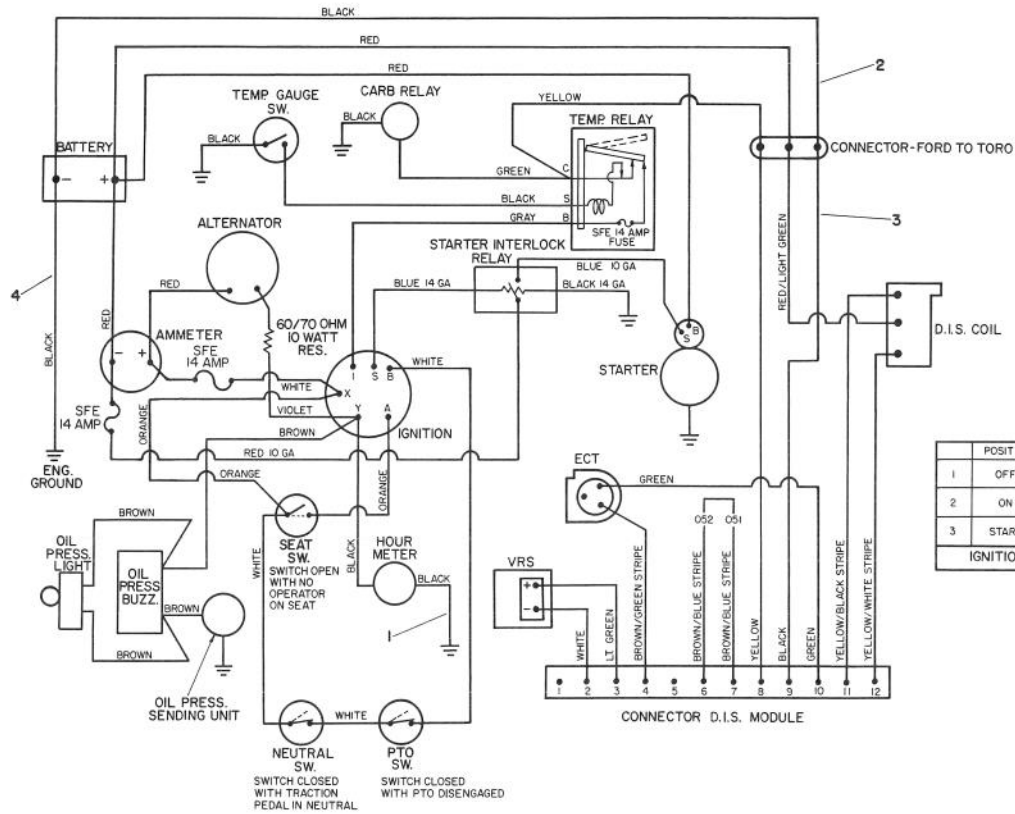
T-1175

## INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28-1580	Panel - Instrument	1
2	70-2030	Decal - Instrument Panel	1
3	233-35	Knob - Control	2
4	3219-14	Nut	4
5	3254-1	Washer - Lock	4
6	38-1670	Mounting Clamp	1
7	38-1660	Ammeter (Incl. Ref. #4-6)	1
8	218-515	Mounting Brkt	1
9	218-539	Clamp	1
10	27-2360	Switch	1
11	63-8360	Key	1
12	67-8550	Engine Temperature Gauge (Incl. Ref. #4, 5 & 9)	1
13	26-6740	Temperature Reset Relay	1
14	12-9990	Hour Meter (Incl. Ref. #8, 19 & 20)	1
15	322-5	Screw - Cap, Hex. Hd.	2
16	3254-2	Washer - Lock, Int. Tooth	4

Ref. No.	Part No.	Description	No. Used
17	3217-6	Nut	2
†18		Fuse Temp. Relay 14 amp SFE	1
19	3254-1	Washer-Lock	1
20	3217-26	Nut	1
21	63-7590	Relay	1
22	3290-379	Cable Tie	1
23	3290-134	Screw Machine Hex. Hd.	4
24	3290-360	Screw Machine Hex. Hd.	1
25	22-7810	Spacer	1
26	22-7820	Buzzer Assembly	1
27	32128-17	Nut - Lock, Flange	5
28	67-8560	Throttle & Choke Control (Incl. Ref. #3)	2
29	218-516	Lens	1
30	44-2210	Warning Light (Incl. Ref. #29)	1

†Optional Equipment



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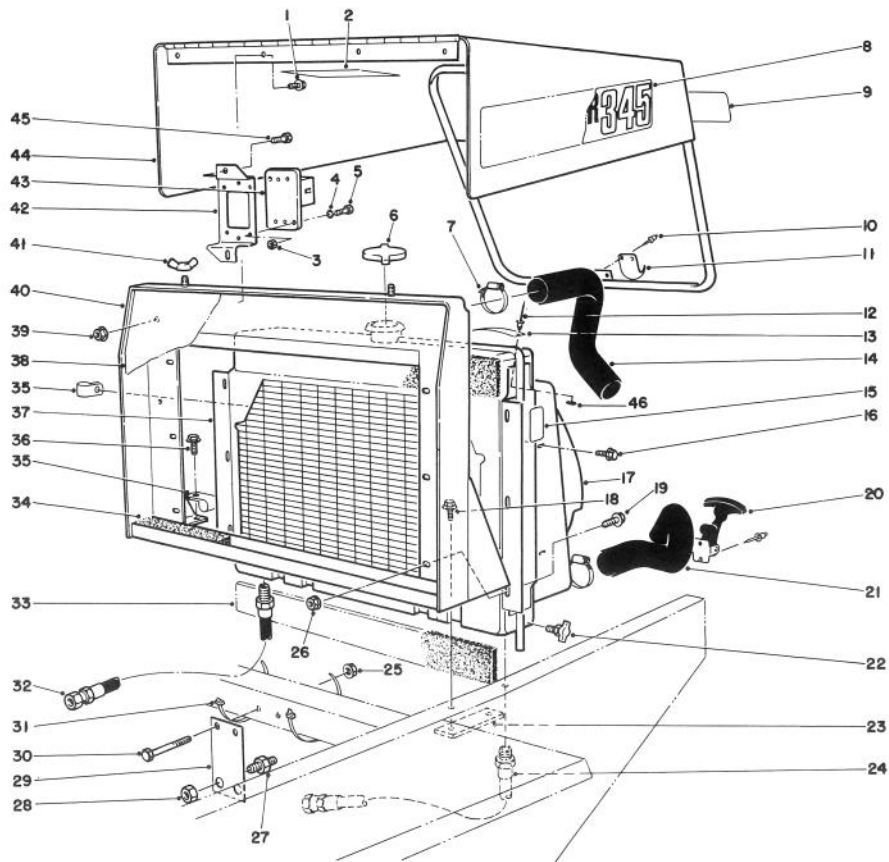
## ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
1	21-2370	Wire - Hour Meter Ground	1
2	67-8580	Wire - Harness Assembly	1

Ref. No.	Part No.	Description	No. Used
†3	E9JL-12A200-AA	Wire - Harness (Ford)	1
4	67-8540	Cable - Ground	1

†Obtain from your local Ford Power Products Dealer.



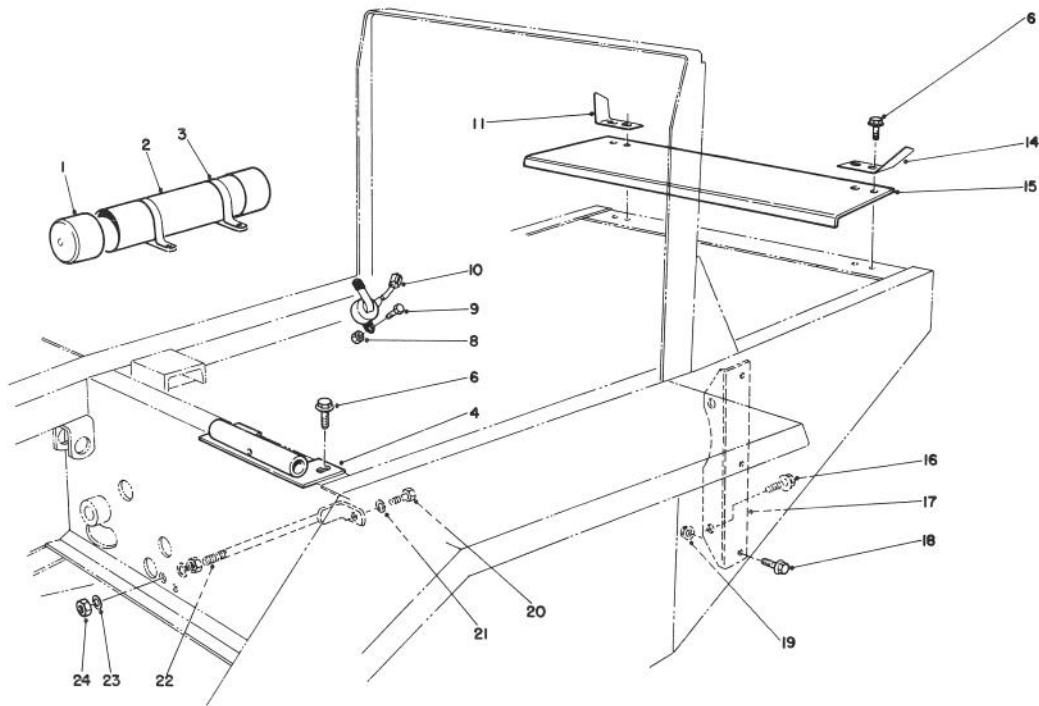


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## RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32144-10	Screw - Hex. Self-Tapping	4	25	32128-21	Nut - Flange Head	2
2	26-7530	Decal - Coolant Engine	1	26	32128-20	Nut - Flange Head	6
3	48-7890	Nut - Metric	2	27	340-71	Union - Bulkhead	2
4	43-5930	Washer - Metric	2	28	340-70	Nut - Lock, Bulkhead	2
5	48-7630	Screw - Metric	2	29	68-9160	Bracket	1
6	66-3240	Cap - Pressure Radiator	1	30	323-14	Screw - Cap, Hex Hd.	2
7	2412-3	Clamp - Hose	4	31	3290-379	Tie - Cable	4
8	67-8880	Decal - Groundsmaster 345	2	32	43-4310	Hose Assembly (Valve to Cooler)	1
9	66-6140	Decal - Toro	1	33	43-3320	Foam - Radiator	2
10	3269-16	Rivet	4	34	70-1790	Strip - Foam Sealing	1
11	249-40	Keeper	1	35	2412-39	Clamp	2
12	3269-13	Rivet	2	36	11-0590	Screw - Hex Self-Tapping	2
13	76-8750	Decal	1	37	67-8590	Radiator Assembly	1
14	70-1630	Hose - Radiator Upper	1	38	67-8680	Grille - Radiator	1
15	77-3100	Decal - Warning	2	39	32128-33	Nut - Lock, Flange	2
16	32104-116	Screw - Flange, Hex Hd.	4	40	70-1840	Support - Radiator	1
17	67-8640	Shroud - Radiator	1	41	32103-2	Nut - Wing	2
18	3234-1	Screw - Cap, Flange Hd.	2	42	70-1660	Bracket - E.S.C.	1
19	3234-14	Screw - Flange, Hex Hd.	6	†43		Module - E.S.C.	1
20	59-9740	Latch - Draw (Inc. Ref. #11)	1	44	12-5899	Hood	1
21	67-8660	Hose - Radiator Lower	1	45	321-39	Screw - Cap, Hex Hd.	2
22	304-46	Draincock	1	46	3269-10	Washer	2
23	38-4600	Bar - Frame L.H.	1				
24	63-9010	Hose Assembly (Cooler to Pump)	1				

†Obtain from your local Ford Power Products Dealer.

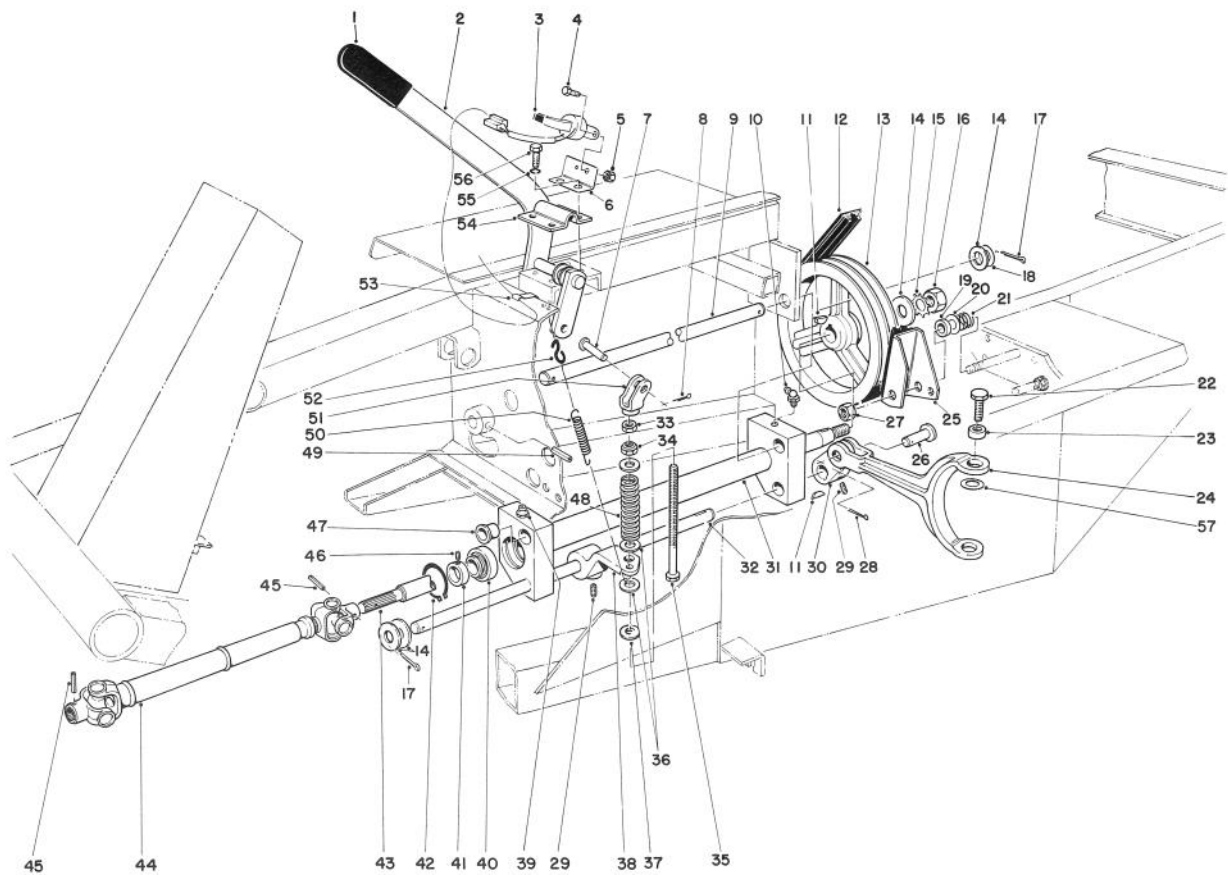


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## INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	65-5890	Cap	2
2	65-5870	Tube - Manual	1
3	2412-102	Clamp - R	2
4	27-9810	Seat Pivot	1
6	3234-17	Screw - Cap, Flange Hd.	6
8	3296-42	Nut-Lock	1
9	321-2	Screw - Cap, Hex. Hd.	2
10	29-6930	Switch	1
11	62-3010	Bracket R.H.	1
14	62-3020	Bracket L.H.	1

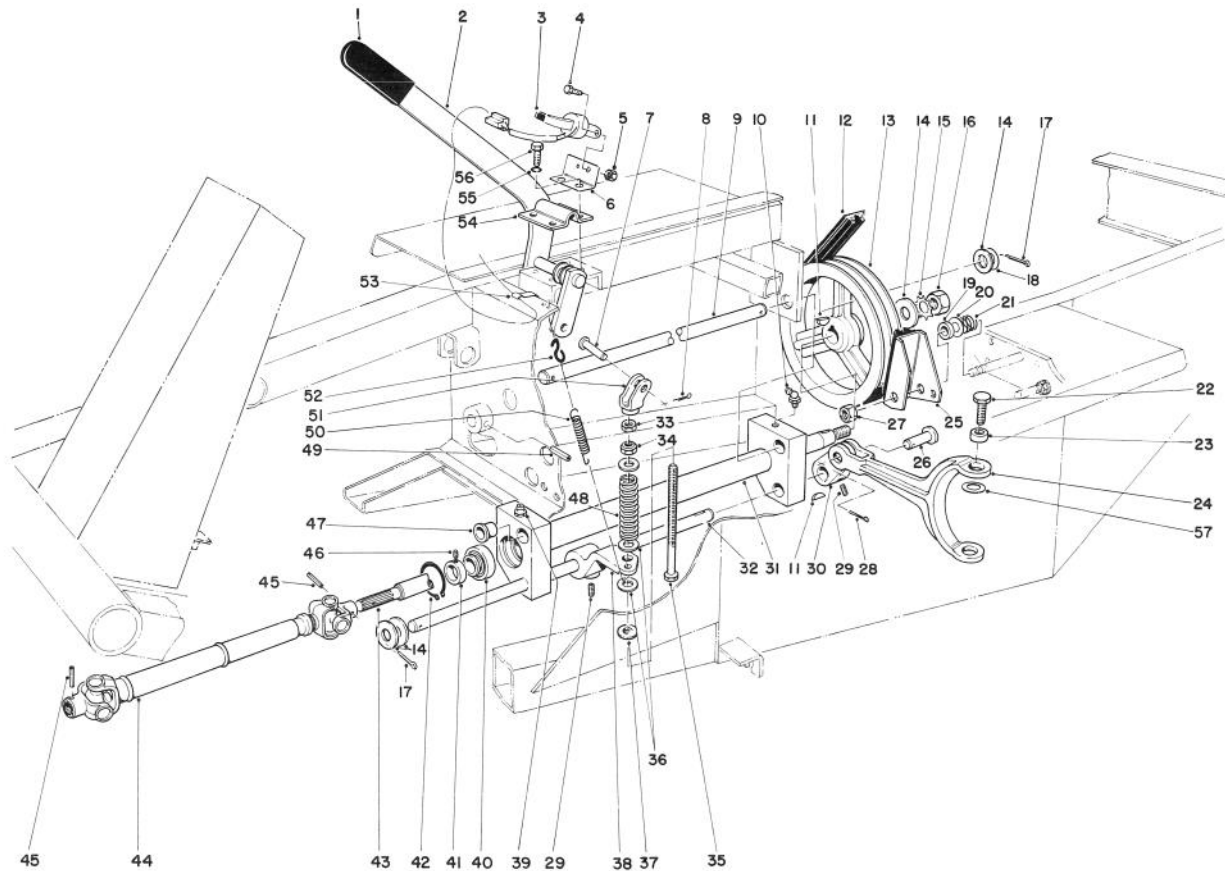
Ref. No.	Part No.	Description	No. Used
15	70-1890	Guard - Flywheel	1
16	3234-6	Screw - Cap, Flange Hd.	2
17	67-8190	Bracket - Engine Support	2
18	3234-11	Screw - Cap, Flange Hd.	6
19	3290-357	Nut - Lock, Flange	6
20	323-3	Screw - Cap, Hex. Hd.	1
21	3253-21	Washer - Lock	1
22	24-9830	Support - Axle	1
23	3256-5	Washer - Flat	2
24	3217-9	Nut	2



T-0413

## POWER TAKEOFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-1880	Grip - Handle	1	27	3296-28	Nut - Lock	1
2	21-1550	Lever - P.T.O.	1	28	3272-11	Cotter Pin	1
3	29-6930	Switch Arm	1	29	3246-3	Set Screw	4
4	321-2	Screw - Cap, Hex. Hd.	1	30	43-5590	Arm P.T.O.	1
5	3296-42	Nut - Lock	1	31	43-5500	Pivot P.T.O.	1
6	27-7260	Mount-Arm Switch	1	32	43-5550	Shaft - Actuator P.T.O.	1
7	283-42	Clevis Pin	1	33	3219-3	Nut	1
8	3272-10	Cotter Pin	1	34	3296-6	Nut - Lock	1
9	43-3860	Shaft Pivot P.T.O.	1	35	27-7900	Screw - Adjusting	1
10	302-10	Grease Fitting	1	36	3256-41	Washer - Flat	3
11	3257-5	Woodruff Key	3	37	5-0652	Spacer	1
12	53-9660	V-Belt Torque Team	1	38	43-5570	Arm Actuator P.T.O.	1
13	21-0230	Pulley P.T.O.	1	39	302-2	Grease Fitting	1
14	3256-28	Washer - Flat	4	40	251-252	Ball Bearing (Incl. Ref. #41)	2
15	3254-7	Washer - Lock	1	41	251-234	Lock Collar (Inc. Ref. #46)	2
16	3219-7	Nut	1	42	32120-22	Ring - Retaining	2
17	3272-22	Cotter Pin	2	43	43-5540	Shaft P.T.O.	1
18	3-6498	Washer	A/R	44	62-4260	Drive Shaft Assembly	1
19	3-8812	Spacer	1	45	32121-34	Roll Pin	2
20	3256-6	Washer - Flat	1	46	3245-1	Set Screw	2
21	5-1747	Spring	1	47	256-113	Flanged Bushing	4
22	30-2120	Screw - Hex. Hd.	2	48	21-0400	Spring - Compression	1
23	43-3800	Bushing P.T.O. Fork	2	49	32121-9	Roll Pin	1
24	43-5610	Fork P.T.O.	1	50	21-1830	Spring - Tension	1
25	27-7370	Brake Assembly - P.T.O.	1				
26	283-8	Clevis Pin	1				

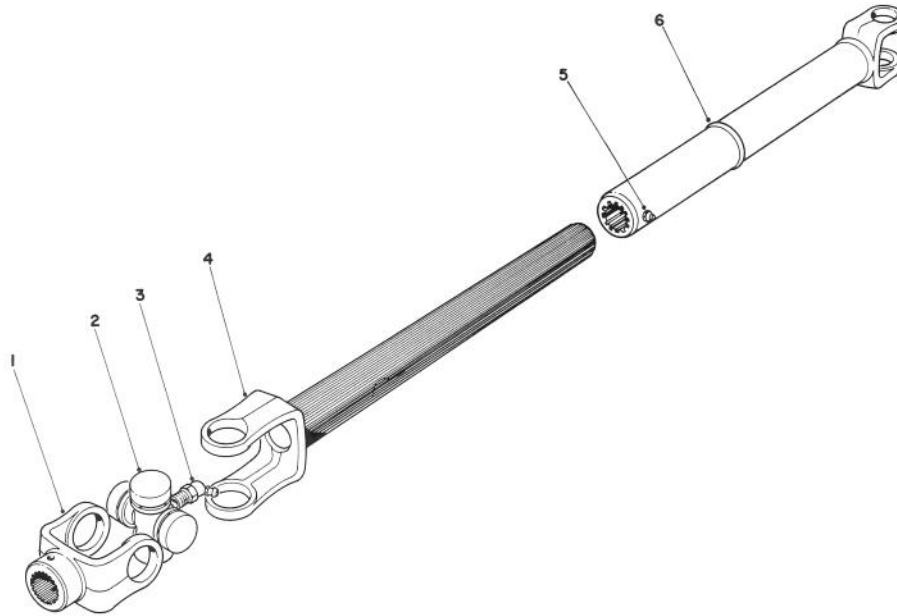


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## POWER TAKEOFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
51	43-5630	Yoke P.T.O.	1
52	5-0701	Spring - Anchor	1
53	212-93	Wire Clip	1
54	21-1600	Clamp P.T.O. Lever	1

Ref. No.	Part No.	Description	No. Used
55	3253-21	Washer - Lock	4
56	32104-6	Screw - Self Tapping	4
57	75-9890	Shim	A/R

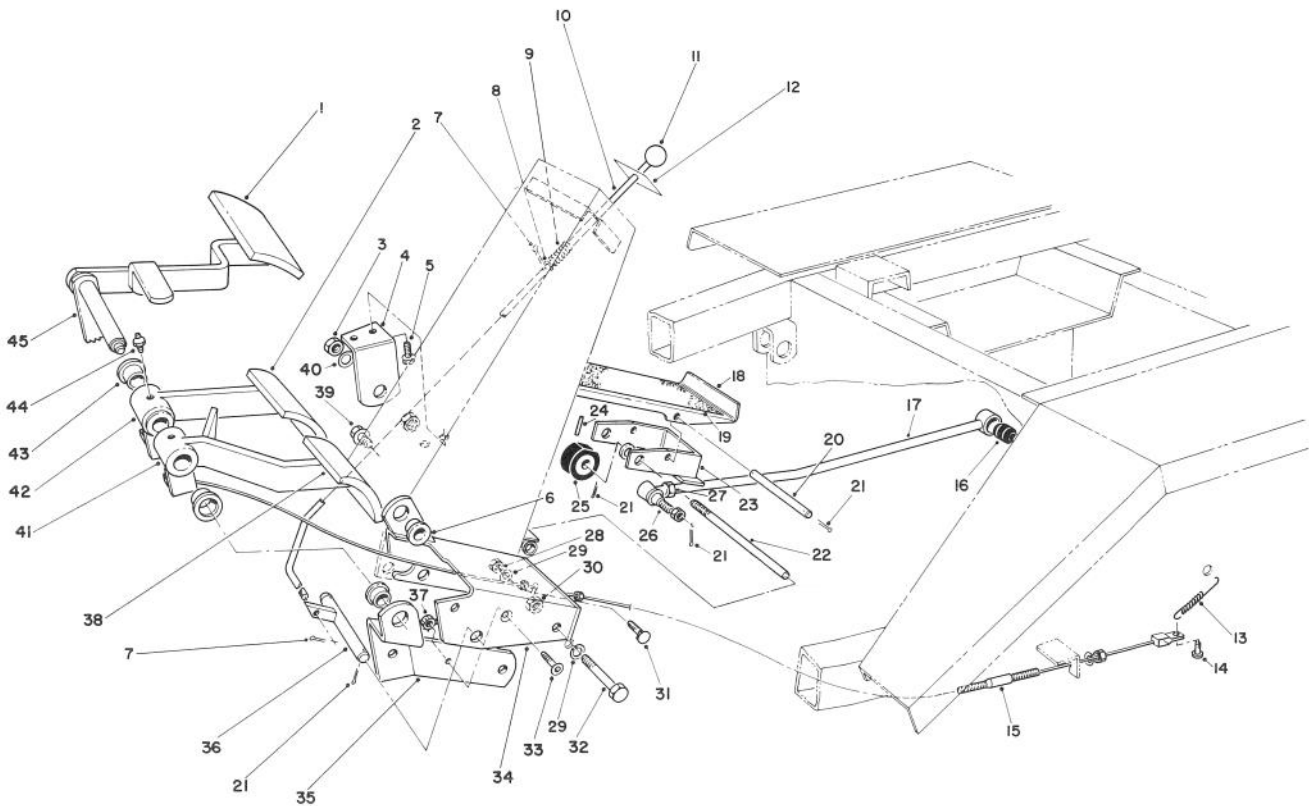


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## DRIVE SHAFT ASSEMBLY NO. 62-4260

Ref. No.	Part No.	Description	No. Used
1	62-3800	End Yoke	2
2	54-9180	U-Joint Kit	2
3	62-3820	Grease Fitting	1

Ref. No.	Part No.	Description	No. Used
4	63-3290	Slip Yoke Shaft	1
5	62-3880	Grease Fitting	1
6	62-3790	Slip Yoke Tube	1



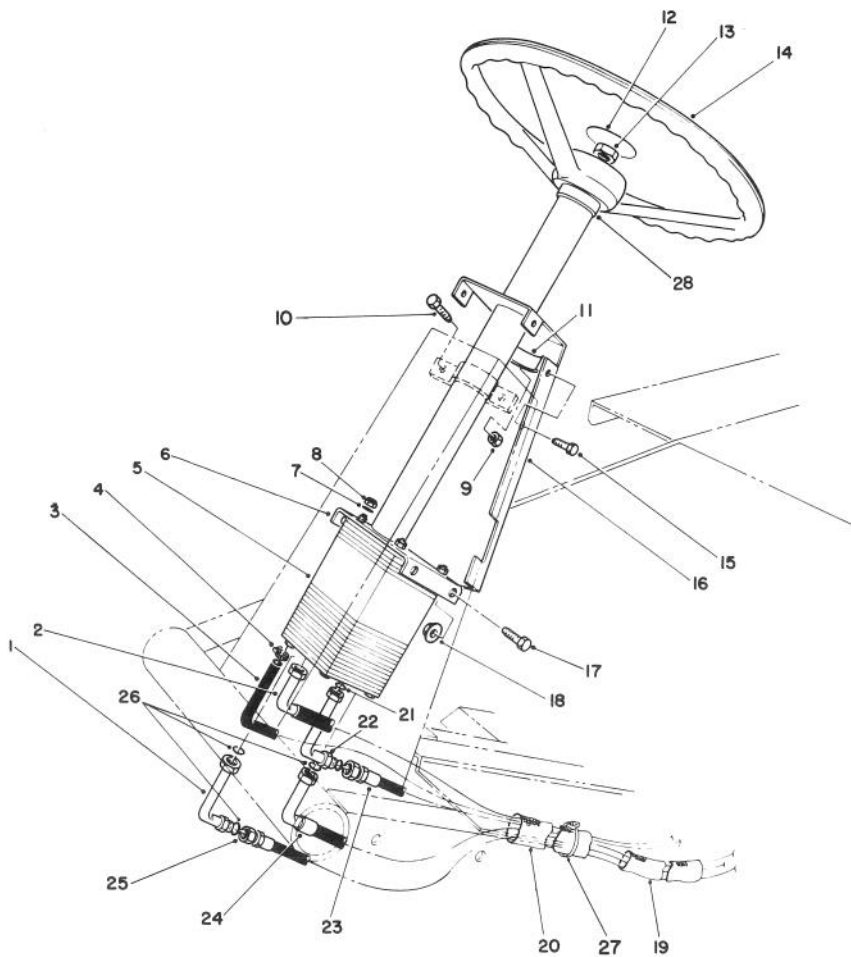
T-0415

## BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	7-3900	Pad - Brake	1
2	27-7580	Pad Right Turn	1
3	3218-5	Nut - Jam	2
4	21-2850	Mount - R.H. Pedal	1
5	11-0590	Screw - Self Tapping	2
6	256-156	Bushing	4
7	3272-5	Cotter Pin	3
8	3256-22	Washer - Flat	1
9	3-3251	Spring - Compression	1
10	27-7660	Rod - Brake Latch	1
11	233-17	Knob	1
12	66-6190	Decal - Parking Brake	1
13	3-7243	Spring - Extension	2
14	283-58	Clevis Pin	2
15	21-3380	Cable - L.H. Brake	1
*	21-3370	Cable - R.H. Brake	1
16	23-2270	Bushing - Rubber	1
17	23-2240	Rod - Pump Control	1
18	28-5190	Pedal - Traction	1
19	28-5130	Pad - Pedal	1
20	28-5240	Pin - Traction Pedal	1
21	3272-6	Cotter Pin	7
22	28-5210	Shaft - Traction Pedal	1
23	28-5160	Bracket - Pivot	1

Ref. No.	Part No.	Description	No. Used
24	32121-16	Roll Pin	1
25	28-5220	Wheel - Friction	1
26	21-0140	Socket Assembly R.H.	1
27	3220-5	Nut - Jam	1
28	3217-7	Nut - Hex	2
29	3253-21	Washer - Lock	4
30	32153-2	Nut - Lock	2
31	3231-21	Carriage Bolt	2
32	323-13	Screw - Cap, Hex. Hd.	2
33	3274-47	Screw - Socket, Flat Hd.	1
34	27-7590	Mount - Brake	1
35	27-9270	Mount - Brake Pivot Shaft	1
36	27-7640	Shaft - Brake Latch	1
37	32149-2	Nut	1
38	27-7570	Pad - Left Turn	1
39	3234-11	Screw - Cap, Hex. Hd.	3
40	3256-26	Washer - Flat	1
41	27-7490	Pedal - L.H. Brake (Inc. Ref. #43)	1
42	27-7510	Pedal - R.H. Brake (Inc. Ref. #43)	1
43	256-10	Bushing	4
44	302-5	Fitting - Grease	2
45	27-8550	Pedal - Parking Brake	1

\*Not Illustrated



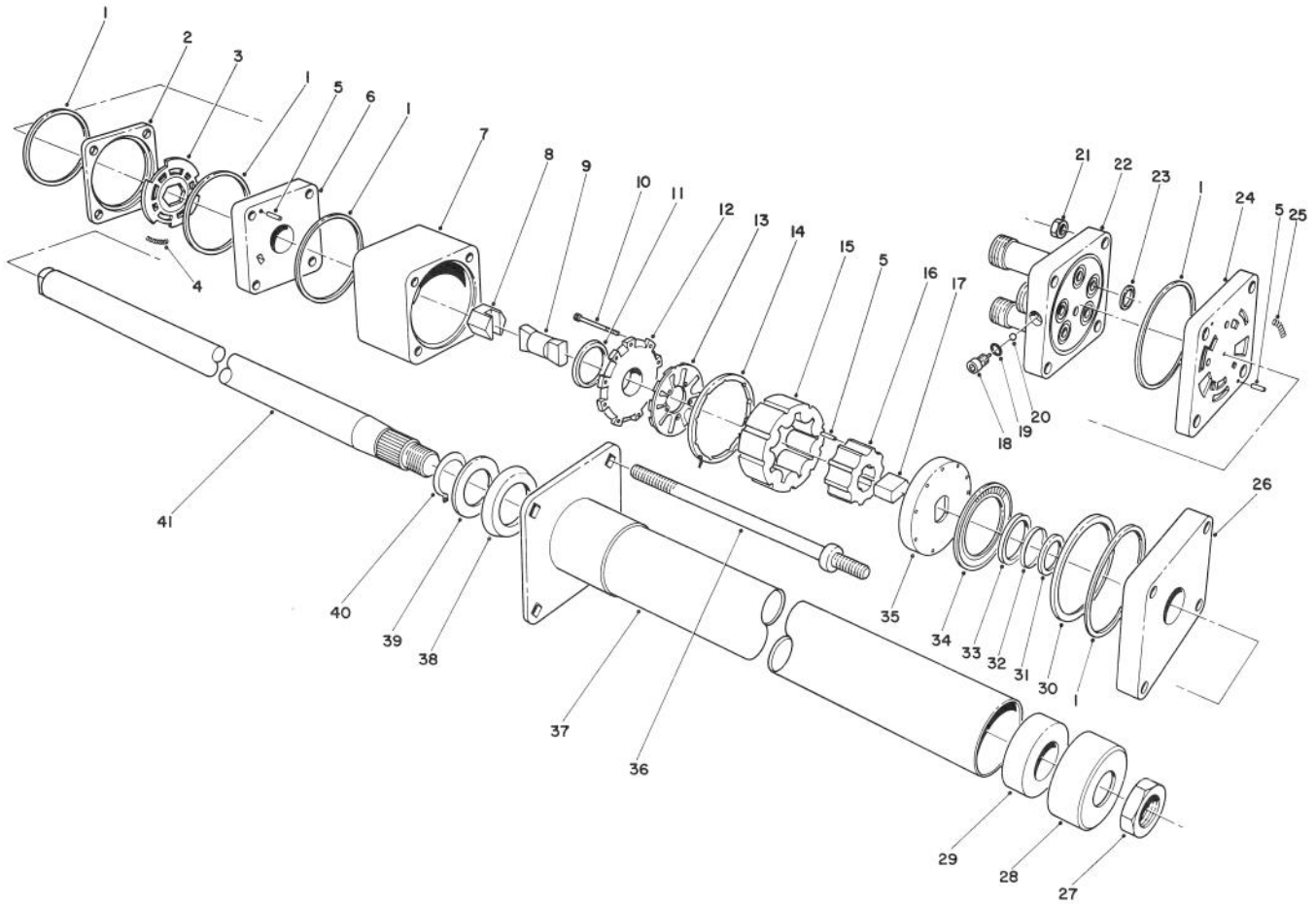
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## POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-1740	90° Elbow	1
2	63-8980	Hose - Aux/Valve	1
3	63-8990	Hose - Return	1
4	2412-36	Clamp	2
5	63-9250	Valve - Power Steering	1
6	63-8870	Bracket - Column Mount	1
7	3256-3	Washer - Flat	4
8	3296-4	Nut - Lock	4
9	3296-29	Nut - Lock	2
10	322-5	Screw - Cap, Hex. Hd.	2
11	63-8890	Clamp - Half	1
12	24-2090	Cap-Steering Wheel	1
13	66-9760	Nut - Hex	1
14	24-2000	Wheel - Steering	1

Ref. No.	Part No.	Description	No. Used
15	32144-10	Screw - Thread Form	6
16	66-1680	Cover - Tower	1
17	323-3	Screw - Cap, Hex. Hd.	4
18	3290-357	Nut - Hex. Flange Hd.	4
19	70-1390	Sleeve - Protective	1
20	70-1380	Sleeve - Protective	1
21	237-30	O-Ring	1
22	66-1730	90° Elbow	1
23	63-8970	Hose - Trans/Str.	1
24	68-9730	Hose - Str./Cyl.	1
25	68-9720	Hose - Cyl./Str.	1
26	237-22	O-Ring	3
27	21-9260	Cover - Dust	1
28	3290-378	Tie - Cable	2





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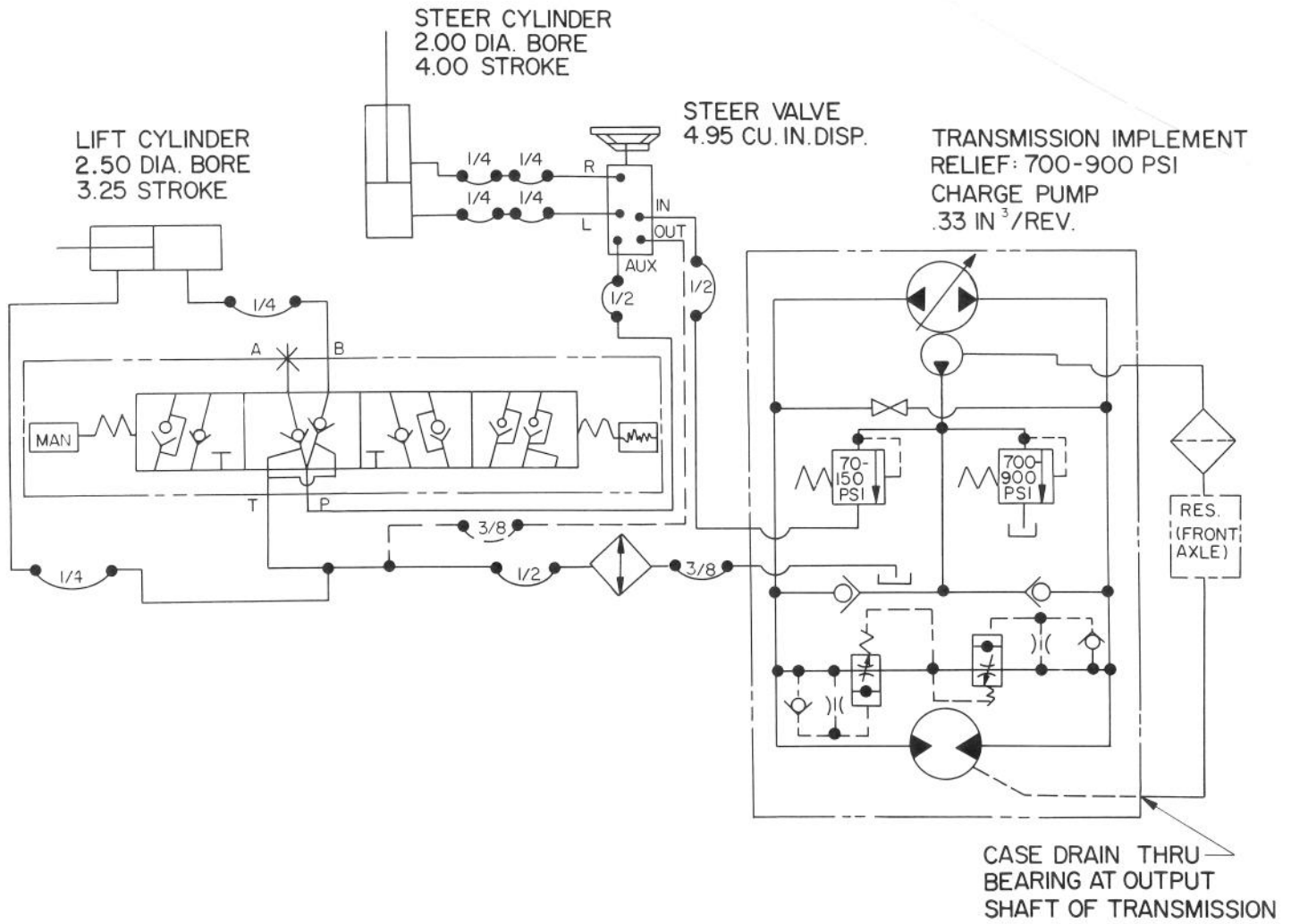
## POWER STEERING VALVE ASSEMBLY NO. 63-9250

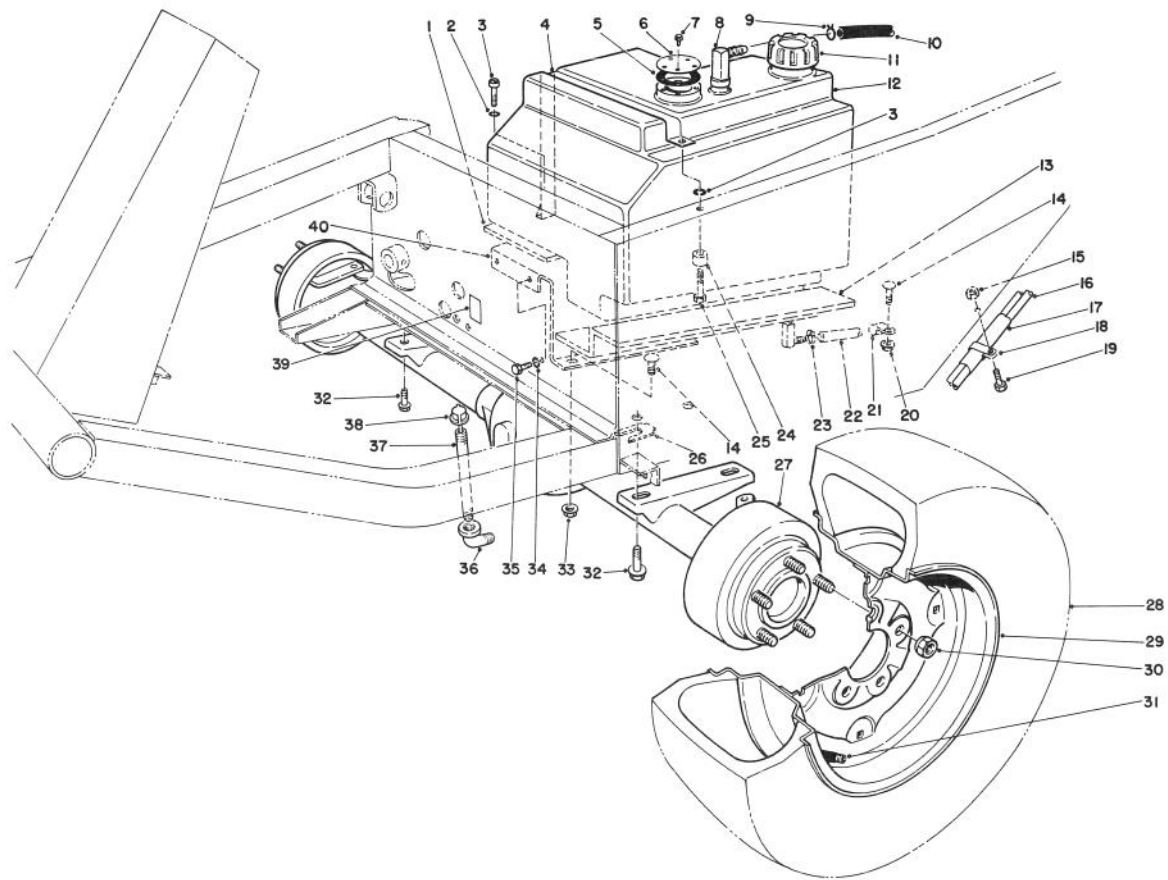
Ref. No.	Part No.	Description	No. Used
1		Ring Seal	5
2		Ring - Valve	1
3		Plate - Valve	1
4		Spring	3
5		Pin - Alignment	9
6		Manifold - Isolation	1
7		Ring - Metering	1
8		Hex Drive Assy.	1
9		Link - Drive	1
10		Hex Socket Hd. Screw	11
11		Seal - Commutator	1
12		Cover - Commutator	1
13		Commutator	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		Cove - 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	3220-6	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	66-9860	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

# HYDRAULIC SCHEMATIC





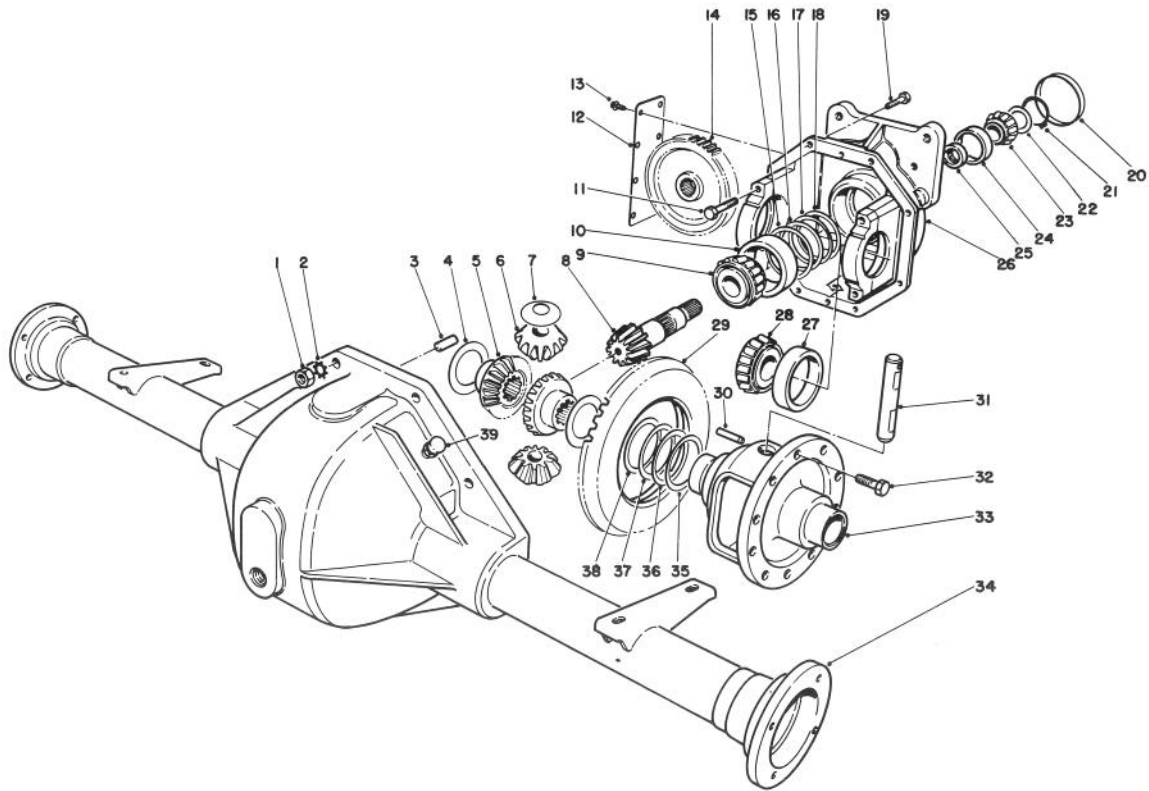
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## FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21-3600	Foam - Support Tank	1
2	3253-3	Washer - Lock	2
3	32104-96	Screw - Cap, Hex Hd.	1
4	37-9550	Strap - Tank Fuel	1
5	62-7650	Gasket - Tank Fuel	1
6	43-9060	Cover - Tank Fuel	1
7	32144-53	Screw - Thread Forming	5
8	353-536	Fitting - Tank Fuel	2
9	2412-6	Clamp	1
10	63-7630	Hose - Vent Fuel	1
11	55-3574	Cap - Tank Fuel	1
12	43-9110	Tank - Fuel (Incl. Ref. #8)	1
13	21-3610	Foam - Support Tank	1
14	3230-2	Bolt - Carriage	3
15	3296-20	Nut - Lock	2
16	68-9710	Hose - Steering Cylinder	2
17	56-7980	Sleeve - Protective	1
18	2412-39	R-Clamp	1
19	322-3	Screw - Cap, Hex Hd.	2
20	32128-20	Nut - Flange	1

Ref. No.	Part No.	Description	No. Used
21	2412-41	Clamp	1
22	67-9070	Hose - Fuel	1
23	2412-108	Clamp	1
24	22-7810	Spacer	1
25	321-6	Screw - Cap Hex Hd.	1
26	42-6080	Shim - Axle	A/R
27	67-8220	Front Axle Assembly	1
28	231-101	Tire	2
29	217-117	Rim	2
30	23-7270	Nut - Wheel	10
31	232-31	Stem - Valve	2
32	32144-67	Screw - Thread Forming	4
33	32128-20	Nut - Flange	2
34	3253-21	Washer - Lock	2
35	32104-6	Screw - Self Tapping	2
36	2811-9	Elbow - Street	1
37	289-37	Nipple - Pipe	1
38	23-5180	Dipstick	1
39	53-4430	Decal - Oil	1
40	68-9760	Base - Tank Fuel	1
*	231-90	Tube - Inner (Optional)	2

\*Not Illustrated

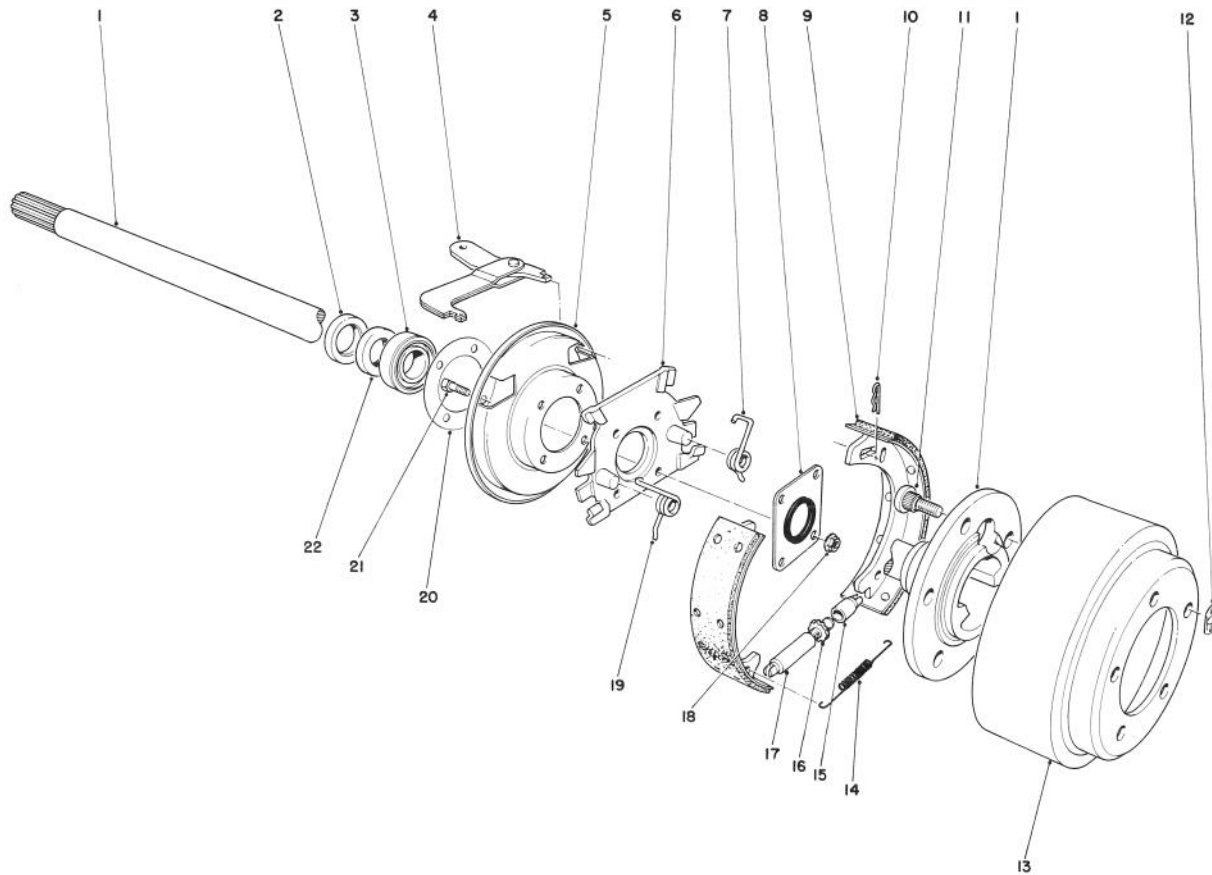


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## FRONT AXLE ASSEMBLY NO. 67-8220

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3219-2	Nut	8	22	46-2216	Shim - Pinion Bearing .043	A/R
2	3255-8	Washer - Lock	8	*	46-2220	Shim - Pinion Bearing .045	A/R
3	21-8270	Dowel Pin	2	*	46-2221	Shim - Pinion Bearing .047	A/R
4	21-7720	Thrust Washer	2	*	46-2222	Shim - Pinion Bearing .049	A/R
5	24-8790	Differential Bevel Gear Side	2	*	46-2223	Shim - Pinion Bearing .051	A/R
6	21-7690	Pinion Gear	2	*	46-2224	Shim - Pinion Bearing .053	A/R
7	21-7730	Thrust Washer	2	*	46-2225	Shim - Pinion Bearing .055	A/R
8		Drive Pinion (Incl. Ref. #29)	1	*	46-2226	Shim - Pinion Bearing .057	A/R
9	43-6760	Roller Bearing Cone	1	23	254-91	Bearing Cone	1
10	43-6750	Roller Bearing Cup	1	24	254-90	Bearing Cup	1
11	324-23	Srew - Cap, Hex. Hd.	4	25	21-8020	Spacer - Pinion Bearing	1
12	21-7830	Gear Cover	1	26	68-9770	Upper Housing (Incl. Ref. #9)	1
13	12-5450	Thread Forming Screw	8	27	254-66	Cup - Tapered Bearing	2
14	21-8150	Spur-Gear	1	28	254-65	Cone - Tapered Bearing	2
15	43-6710	Adjustment Shim .003	A/R	29		Ring Gear	1
16	43-6711	Adjustment Shim .005	A/R	30	21-7710	Roll Pin	1
17	43-6712	Adjustment Shim .010	A/R	31	21-7700	Pinion Mate Shaft	1
18	43-6713	Adjustment Shim .030	A/R	32	21-7770	Drive Gear Screw	5
19	3210-7	Screw - Cap, Hex. Hd.	8	33	21-7670	Differential Case	1
20	21-7850	Cup - Plug	1	34	43-6840	Lower Housing	1
21	43-6550	Snap Ring	1	35	21-8120	Adjustment Shim .030	A/R
22	46-2210	Shim - Pinion Bearing .031	A/R	36	21-8110	Adjustment Shim .010	A/R
*	46-2211	Shim - Pinion Bearing .033	A/R	37	21-8100	Adjustment Shim .005	A/R
*	46-2212	Shim - Pinion Bearing .035	A/R	38	21-8090	Adjustment Shim .003	A/R
*	46-2213	Shim - Pinion Bearing .037	A/R	39	72-9420	Vent Tube Assembly	1
*	46-2214	Shim - Pinion Bearing .039	A/R	*	43-6510	Gear & Pinion Assembly (Incl. Ref. #8 & 29)	1
*	46-2215	Shim - Pinion Bearing .041	A/R				

\*Not Illustrated

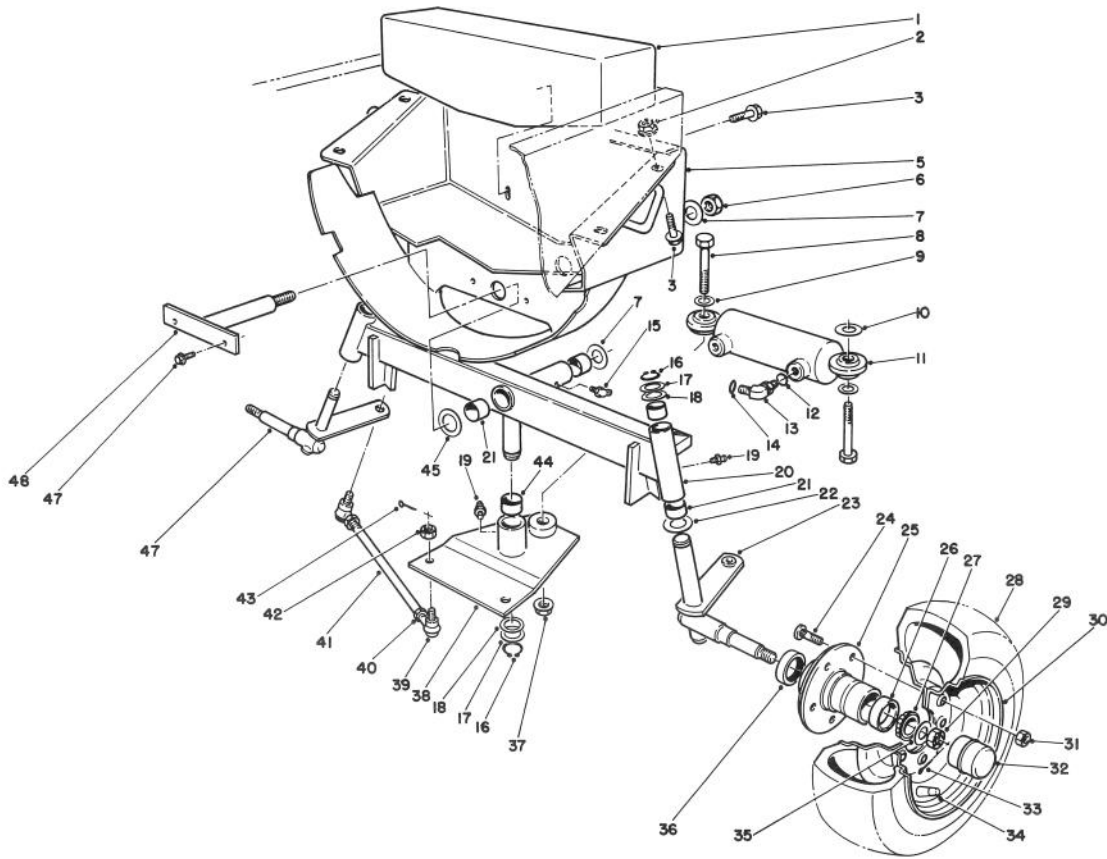


T-0421

## BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28-0650	Flanged Axle Shaft	2
2	21-8330	Oil Seal	2
3	21-8180	Bearing	2
4	24-9180	Strut & Lever Parking Brake	2
5	21-9450	Dust Shield	2
6	43-6810	Torque - Spider	2
7	21-9430	Spring - Shoe Return R.H.	2
8	28-0670	Oil Seal	2
9	43-2690	Shoe & Lining Assembly	4
10	21-9460	Retainer - Brake Lever	4
11	242-34	Axle Flange Stud	10

Ref. No.	Part No.	Description	No. Used
12	21-8360	Clip - Retaining	2
13	28-0680	Brake Drum	2
14	21-9440	Spring - Adjusting Screw	2
15	21-9390	Socket - Adjusting Screw	2
16	21-9370	Adjusting Screw	2
17	21-9380	Pivot Nut	2
18	43-6800	Nut - Lock	8
19	21-9420	Spring - Shoe Return L.H.	2
20	21-8320	Gasket - Wheel Bearing	2
21	28-0660	Screw - Cap	8
22	24-8840	Ring - Wheel Bearing	2



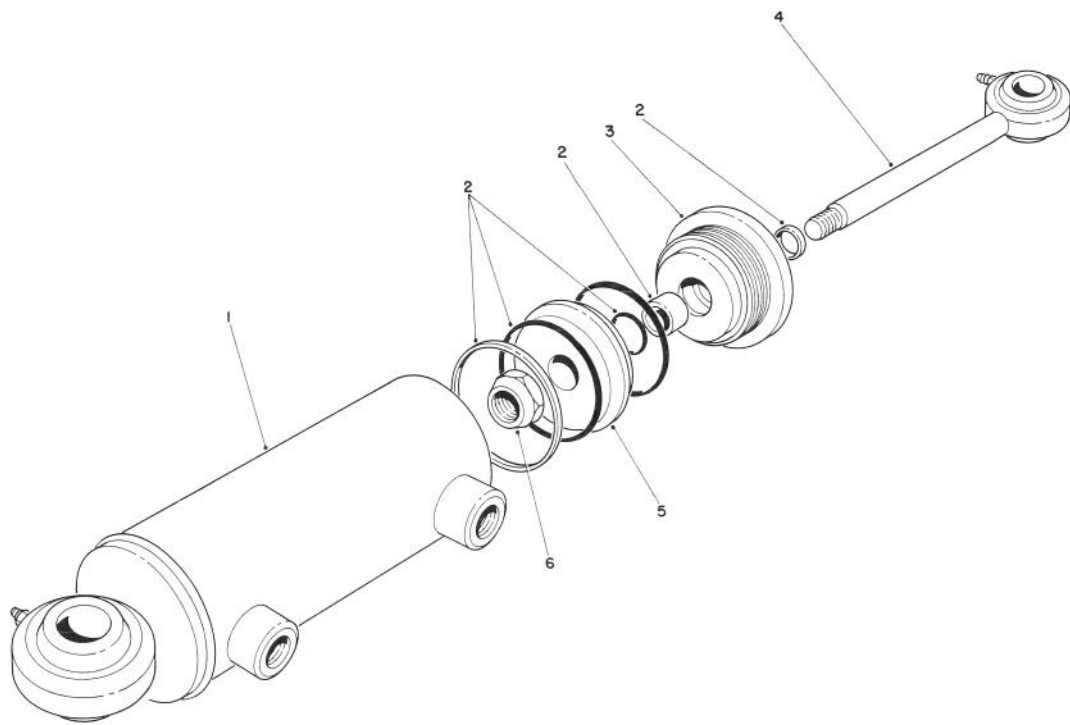
T-0920

## REAR WHEEL & AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67-8960	Weight - Axle Rear	1
2	32128-23	Nut - Lock, Flange	4
3	3234-32	Screw - Hex Hd. Flange	6
5	67-8130	Support - Axle Rear	1
6	32146-20	Nut - Lock	1
7	71-4540	Washer - Thrust	2
8	328-25	Screw - Cap, Hex Hd.	2
9	67-9410	Washer	2
10	67-7250	Spacer - Ring	1
11	63-9240	Cylinder - Hydraulic	1
12	237-78	O-Ring	1
13	340-54	Fitting - 45°	1
14	237-22	O-Ring	1
15	302-11	Fitting	1
16	32151-36	Ring - Retaining	3
17	5-1226	Washer	A/R
18	10-8110	Washer	3
19	302-5	Fitting	3
20	67-9160	Axle - Rear (Incl. Ref. #21)	1
21	67-1750	Bushing - Axle	6
22	256-121	Bushing - Thrust	2
23	63-9170	Spindle Assy. L.H.	1
24	10-6830	Stud - Drive	10
25	21-2820	Hub - Wheel (Incl. Ref. #24 & 26)	2
26	254-72	Cup - Bearing	4

Ref. No.	Part No.	Description	No. Used
27	254-94	Cone - Bearing	4
28	231-105	Tire	2
29	32136-5	Nut - Slotted	2
30	217-106	Wheel	2
31	242-50	Nut - Wheel	10
32	241-119	Cap - Dust	2
33	3272-13	Pin - Cotter	2
34	232-31	Stem - Valve w/Cap	2
35	3256-28	Washer - Flat	2
36	253-129	Closure	2
37	32128-45	Nut - Lock	2
38	63-9220	Pivot - Steering (Incl. Ref. #44)	1
39	21-0140	Socket Assembly R.H. (Incl. Ref. #42)	2
*	21-0150	Socket Assembly L.H. (Incl. Ref. #42)	2
40	3220-5	Nut - Jam R.H. Thread	2
*	3220-12	Nut - Jam L.H. Thread	2
41	21-2000	Rod - Tie Assembly	2
42	32136-4	Nut - Slotted	4
43	3272-6	Pin - Cotter	4
44	256-242	Bushing	2
45	56-2460	Washer	A/R
46	63-9180	Spindle Assembly R.H.	1
47	3234-14	Screw - Self Tapping	2
48	67-8170	Pin - Axle Rear	1

\*Not Illustrated



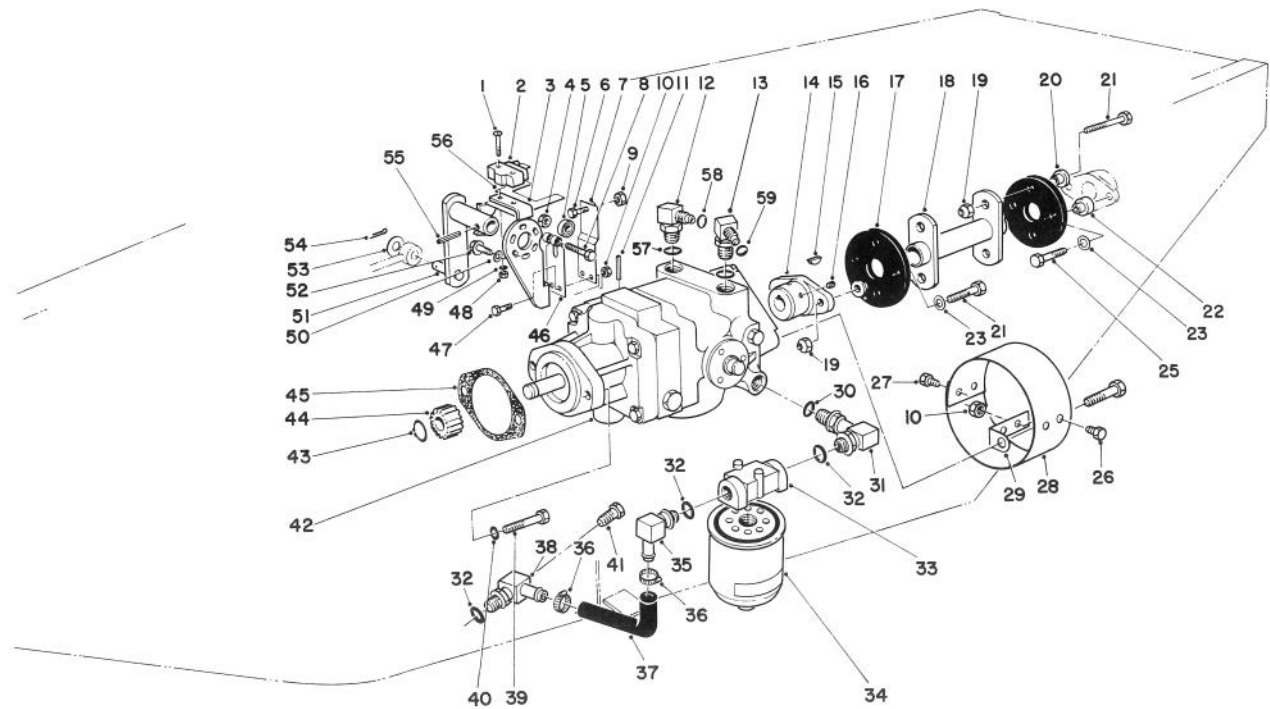
T-0423

## HYDRAULIC STEERING CYLINDER NO. 63-9240

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

Ref. No.	Part No.	Description	No. Used
4	66-1910	Piston Rod Assembly	1
5	66-1940	Piston	1
6	66-1930	Nut - Lock	1



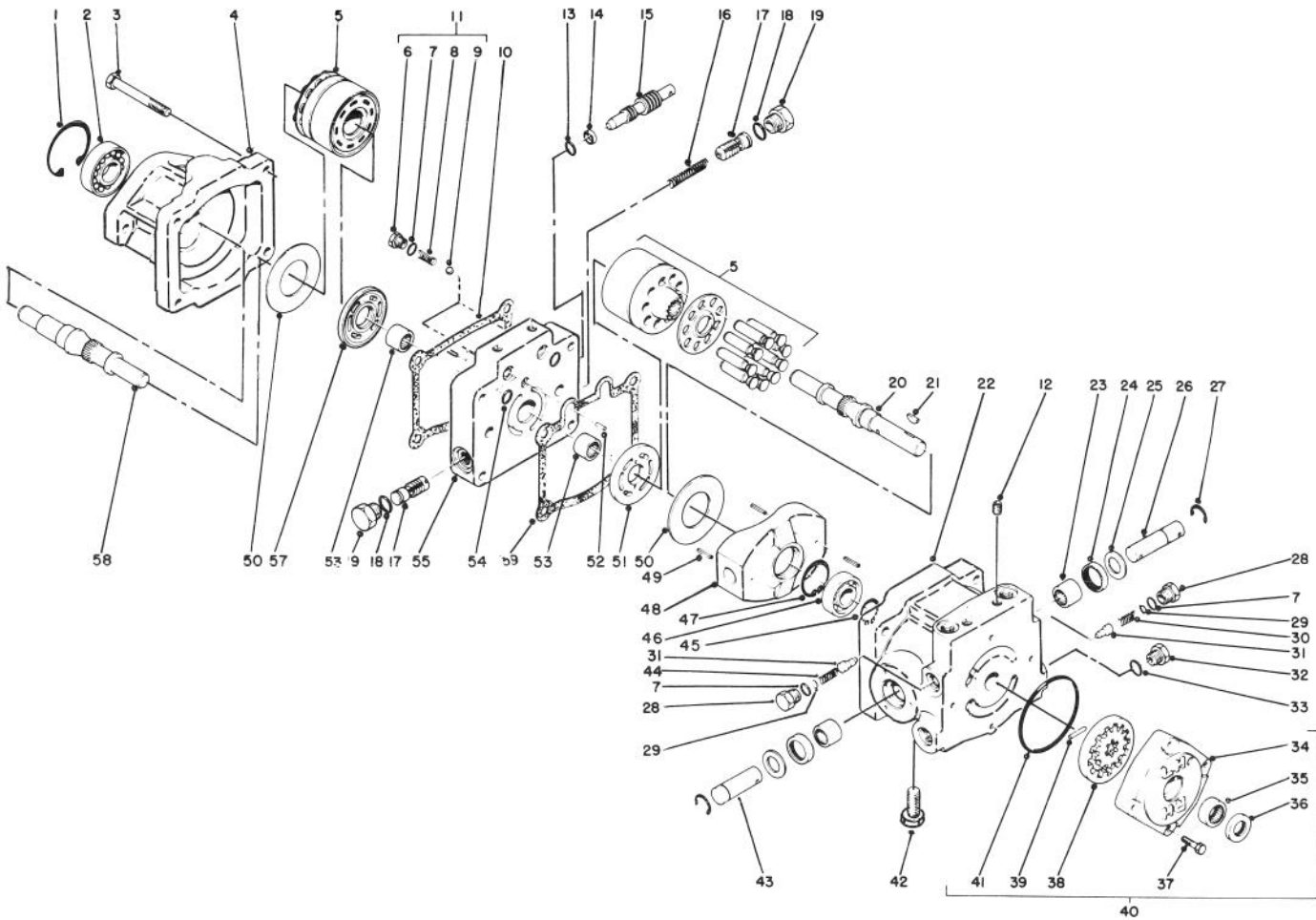


T-0424

## HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	3249-11	Screw - Round Hd. Mach.	2
2	29-6160	Micro Switch	1
3	29-6120	Pump Plate	1
4	3296-29	Nut - Lock	1
5	251-259	Ball Bearing	1
6	3210-7	Screw - Cap, Hex. Hd.	1
7	29-6170	Extended Leaf Spring	1
8	322-17	Screw - Cap, Hex. Hd.	1
9	3219-2	Nut - Hex	1
10	3296-42	Nut - Lock	6
11	32121-6	Roll Pin	1
12	340-77	Elbow	1
13	340-99	Elbow	1
14	33-4380	Pump Hub	1
15	3257-32	Woodruff Key	1
16	3241-5	Square Hd. Set Screw	2
17	44-2230	Rubber Coupling	2
18	46-6390	Drive Coupling	1
19	32152-1	Nut - Lock	8
20	27-6600	Spacer Rubber Coupling	6
21	322-6	Screw - Cap, Hex. Hd.	6
22	27-6590	Spacer Rubber Coupling	2
23	3256-3	Washer - Flat	4
25	322-8	Screw - Cap, Hex. Hd.	2
26	321-2	Screw - Cap, Hex. Hd.	2
27	321-4	Screw - Cap, Hex. Hd.	2
28	54-9300	Cover	1
29	54-9290	Bracket	2
30	237-80	O-Ring	1

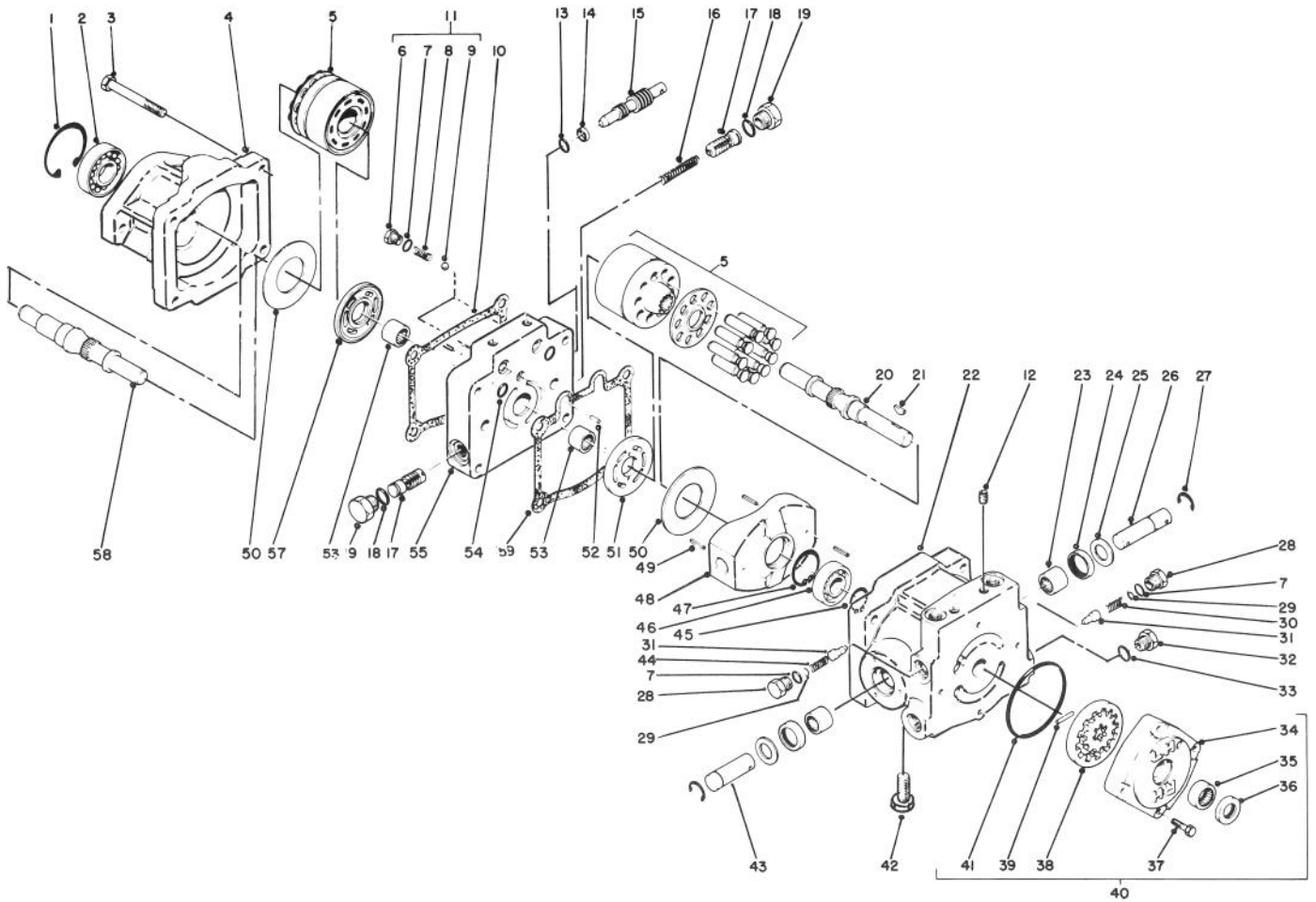
Ref. No.	Part No.	Description	No. Used
31	68-8660	Elbow	1
32	237-81	O-Ring	3
33	68-8990	Head - Filter	1
34	67-8110	Oil Filter	1
35	353-987	Elbow	1
36	2412-34	Clamp - Hose	2
37	68-9650	Hose - Axle	1
38	70-2620	Elbow - 90°	1
39	323-7	Screw - Cap, Hex. Hd.	2
40	3253-21	Washer - Lock	2
41	353-508	Plug - Drain	1
42	71-4370	Transmission - Inline	1
43	32120-72	Ring - Retaining External	1
44	23-4810	Gear - Transmission Output	1
45	41-8760	Gasket - Transmission	1
46	29-6150	Leaf Spring	1
47	321-4	Screw - Cap, Hex. Hd.	2
48	3217-16	Nut	2
49	3254-9	Washer - Lock	2
50	3255-7	Washer - Lock	3
51	28-9570	Pump Lever	1
52	11-9760	Self Tapping Screw	3
53	3256-6	Washer - Flat	1
54	3272-10	Cotter Pin	1
55	32121-24	Roll Pin	1
56	46-8810	Stop - Leaf Spring	1
57	237-42	O-Ring	2
58	237-22	O-Ring	1
59	237-30	O-Ring	1



T-0425

## TRANSMISSION ASSEMBLY NO. 71-4370

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	32120-8	Retaining Ring	1	26	25-2580	Trunion Shaft	1
2	72-3750	Roller Bearing	1	27	32151-46	Retaining Ring	2
3	323-13	Screw - Cap, Hex. Hd.	4	28	25-2460	Plug - Hex. Hd.	2
4	67-9080	Motor Housing	1	29	25-2470	Shim Pack	2
5	48-1800	Cylinder Block Kit	2	30	25-2570	Valve Spring	1
6	25-2650	Check Valve Plug	2	31	25-2560	Relief Valve Cone	2
7	237-86	O-Ring	4	32	353-551	Hex. Hd. Plug	1
8	25-2640	Valve Spring	2	33	237-80	O-Ring	1
9	252490	Ball	2	34	25-2550	Charge Pump Housing	1
10	67-9100	Gasket	1	35	67-8050	Needle Bearing	1
11	25-3180	Check Valve Kit (Inc. Ref. #6-9)	2	36	67-8060	Lip Seal	1
12	285-17	Pipe Plug	6	37	322-4	Screw - Cap, Hex. Hd.	4
13	237-22	O-Ring	1	38	25-2680	Gerotor Assembly	1
14	25-2630	Back Up Ring	1	39	25-2530	Headless Straight Pin	1
15	25-2620	By Pass Valve	1	40	25-3190	Charge Pump (Incl. Ref. #34-39 & 41)	1
16	25-2610	Accel. Valve Spring	1	41	237-95	O-Ring	1
17	25-2410	Accel. Valve Assembly	2	42	67-9090	Plug	1
18	237-79	O-Ring	2	43	25-2500	Trunion Shaft	1
19	353-550	Plug - Hex. Hd.	2	44	25-2480	Valve Spring	1
20	67-8020	Pump Shaft	1	45	32120-15	Retaining Ring	1
21	3257-32	Woodruff Key	1	46	251-8	Ball Bearing	1
22	54-7890	Pump Housing	1	47	32120-11	Retaining Ring	1
23	252-82	Needle Bearing	2	48	25-2450	Variable Swashplate	1
24	25-3210	Lip Seal	2	49	32121-91	Coil Spring Pin	3
25	25-2510	Washer - Flat	2	50	25-2380	Thrust Plate	2

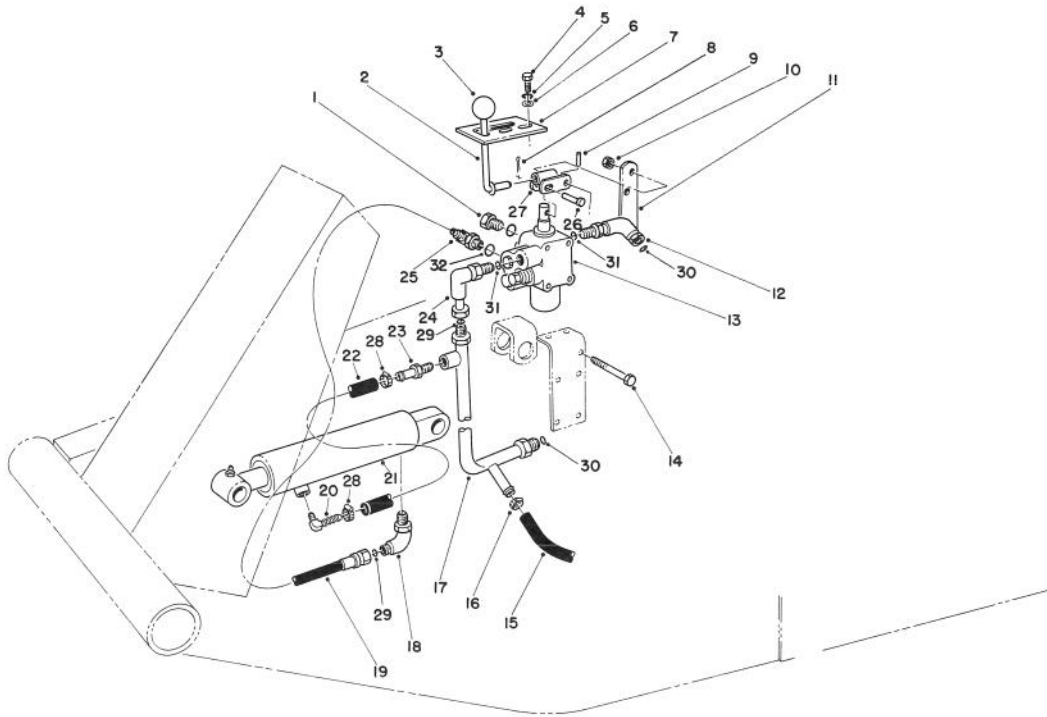


T-0425

## TRANSMISSION ASSEMBLY NO. 71-4370 (Continued)

Ref. No.	Part No.	Description	No. Used
51	25-2440	Pump Valve Plate	1
52	25-2430	Dowel Pin	2
53	46-8400	Needle Bearing	2
54	62-4290	O-Ring	2

Ref. No.	Part No.	Description	No. Used
55	25-2420	Center Section	1
57	25-2390	Motor Valve Plate	1
58	46-8410	Motor Shaft	1
59	25-2400	Gasket	1

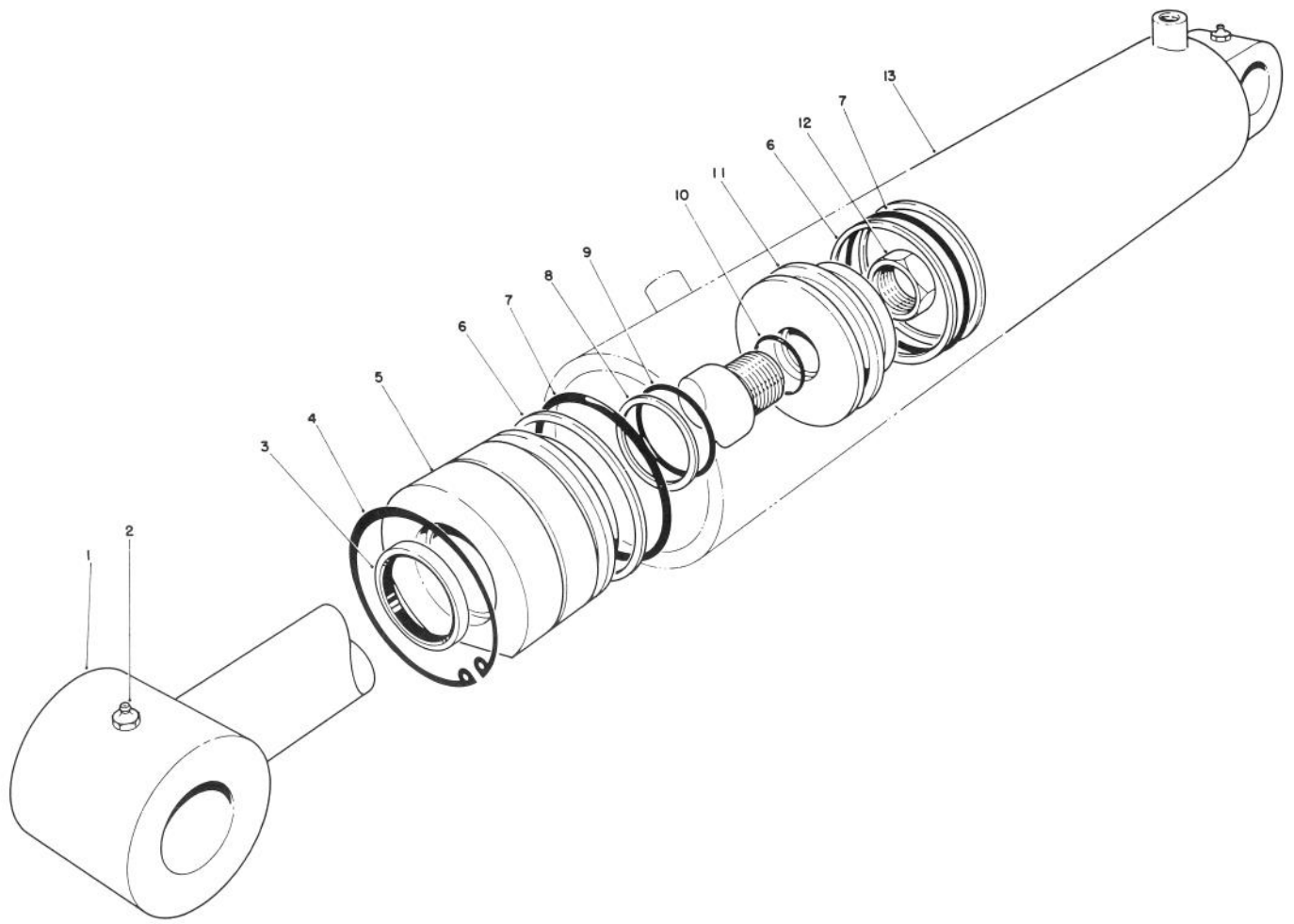


T-0426

## VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	353-512	Plug	1	18	340-112	Elbow 90°	1
2	21-8620	Lever Valve	1	19	71-3580	Hose - Valve to Cylinder	1
3	233-21	Knob	1	20	304-75	Fitting - 90° Barb	1
4	321-4	Screw - Cap, Hex. Hd.	2	21	62-4250	Cylinder - Hydraulic	1
5	3253-3	Washer - Lock	2	*	66-1250	Cylinder - Hydraulic (Optional)	1
6	3256-22	Washer - Flat	2	22	65-2970	Line - Gas	1
7	21-8640	Latch Valve Lever	1	23	304-73	Fitting - Straight Barb	1
8	3272-6	Cotter Pin	1	24	340-110	Elbow - 90°	1
9	321 21-73	Pin Slotted Spring	1	25	340-97	Fitting - 90°	1
10	3296-42	Nut - Lock	5	26	283-17	Pin	1
11	21-9010	Pivot Mount - Valve Lever	1	27	21-8590	Link - Valve Lever	1
12	340-99	Fitting - 90° Elbow	1	28	2412-108	Clamp Hose	2
13	43-1710	Valve Assembly	1	29	237-22	O-Ring	2
14	321-23	Screw - Cap, Hex. Hd.	5	30	237-30	O-Ring	2
15	63-8990	Hose	1	31	237-42	O-Ring	2
16	2412-36	Clamp - Hose	1	32	237-78	O-Ring	2
17	63-9260	Manifold - Valve	1				

\*Not Illustrated



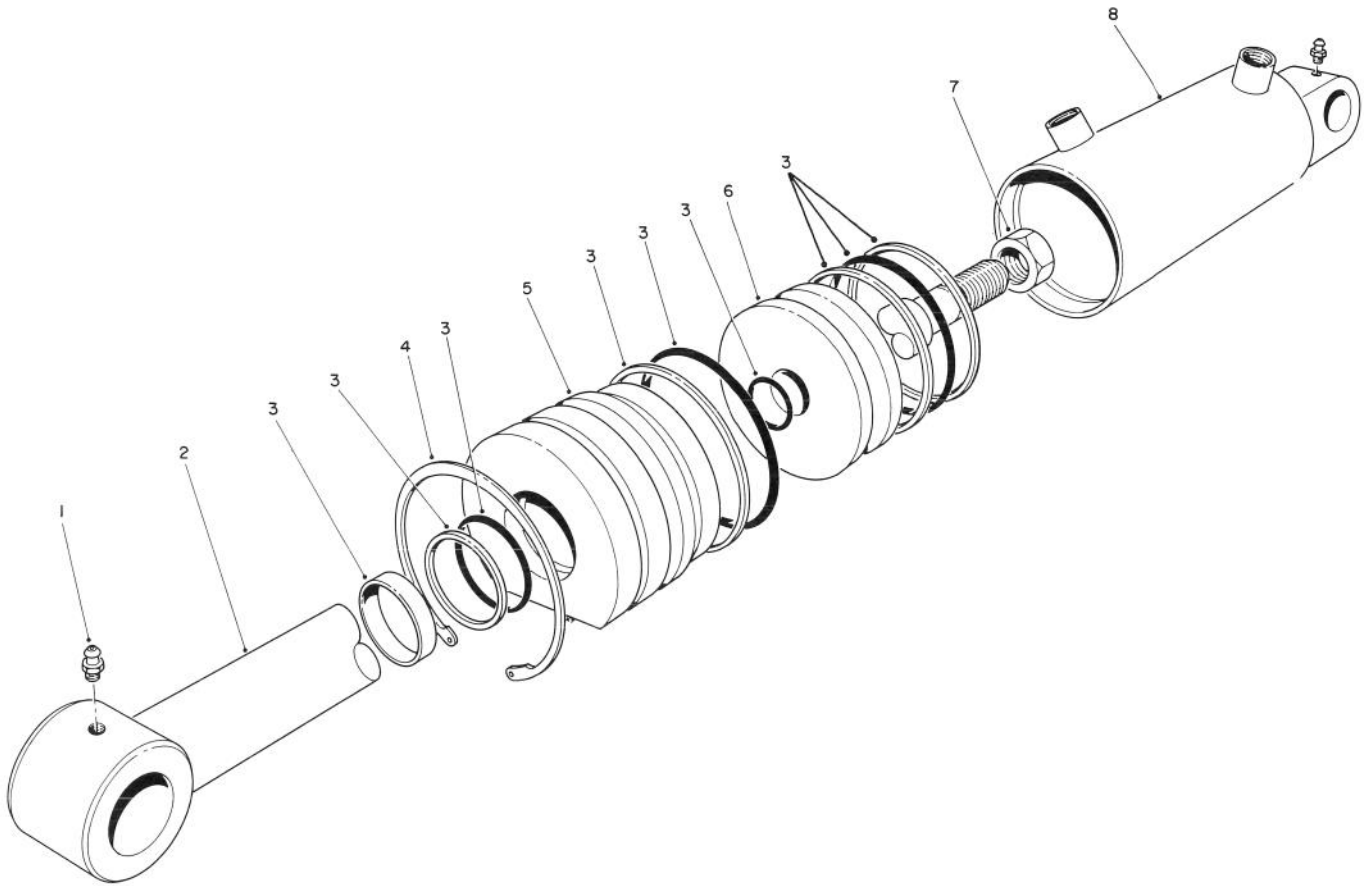
T-0859

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

Ref. No.	Part No.	Description	No. Used
1	61-4980	Shaft w/Clevis	1
2	302-22	Grease Fitting	2
3		Dust Seal	1
4	61-4990	Retaining Ring	1
5	60-9780	Head	1
6		Ring - Back-up	3
7		O-Ring	2
8		Ring - Back-up	1

Ref. No.	Part No.	Description	No. Used
9		O-Ring	1
10		O-Ring	1
11	60-9770	Piston	1
12	60-9760	Nut	1
13	67-5490	Barrel	1
*	61-4960	Seal Repair Kit (Incl. Ref. #3 & 6-10)	1

\*Not Illustrated

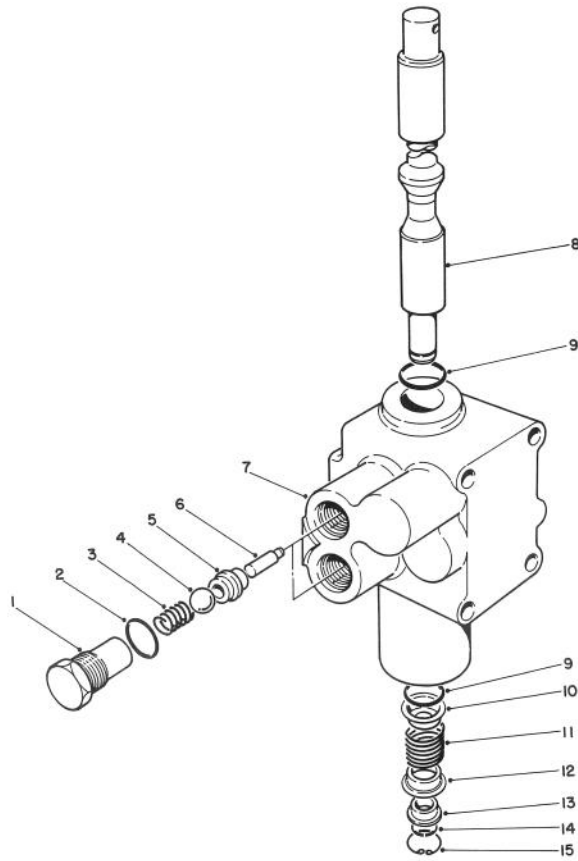


T-0527

## HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 66-1250 (3" Bore) (Optional)

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

Ref. No.	Part No.	Description	No. Used
5	67-5460	Head	1
6	67-5450	Piston	1
7	60-9760	Hex Nut	1
8	67-5490	Barrel	1



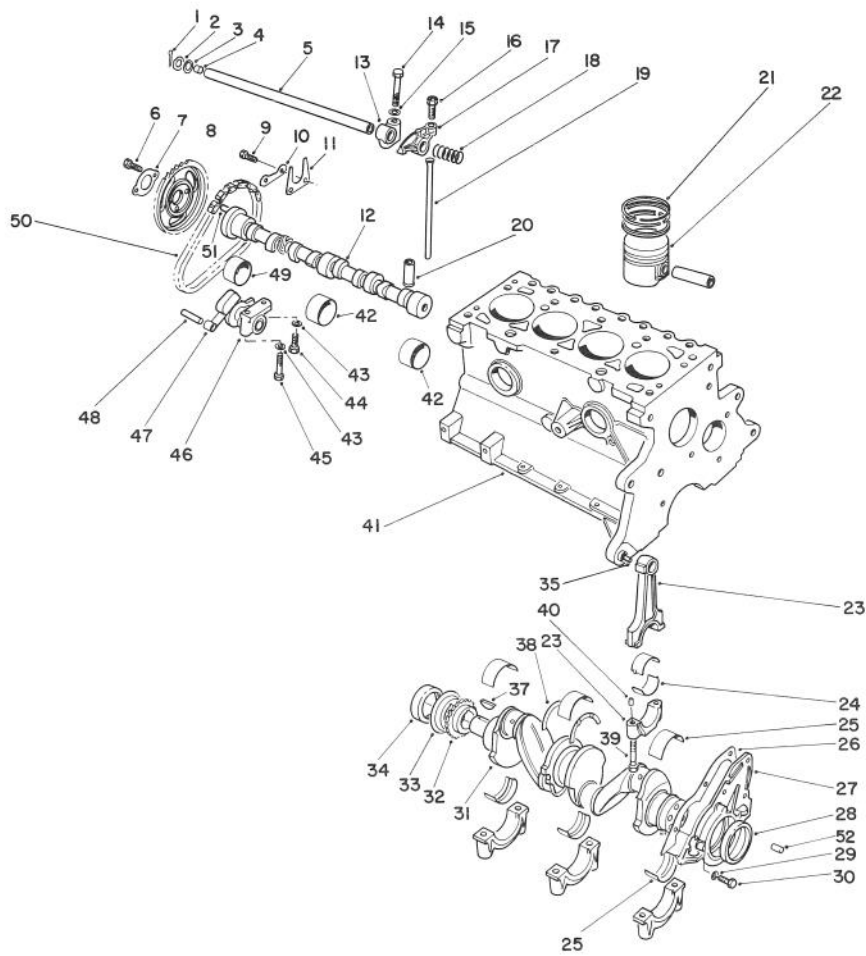
T-0428

## CONTROL VALVE ASSEMBLY NO. 43-1710

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

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





T-1004

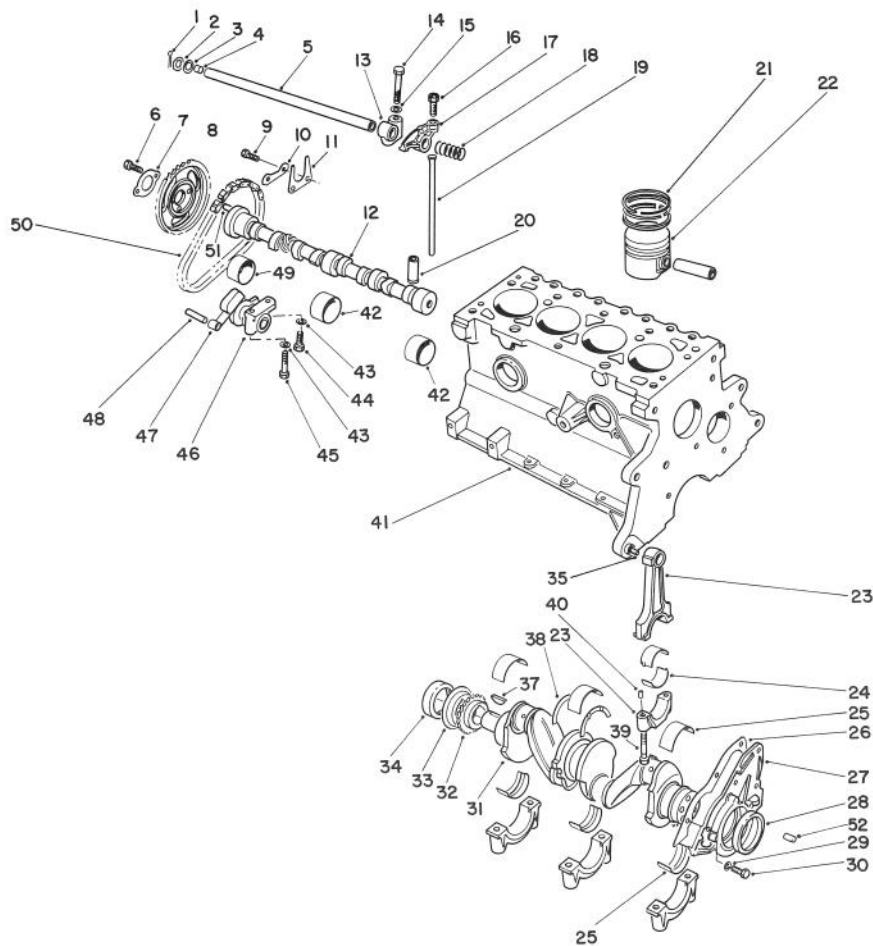
## CRANKSHAFT & CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	72025-S7	Cotter Pin	2
2	77BM-6598-AB	Washer - Spring	2
3	116106-ES10	Washer - Flat	2
4	DIFZ-6026-E	Plug - Rocker Arm Shaft	2
5	77BM-6A557-BB	Rocker Arm Shaft Assy. (Incl. Ref. #4)	1
6	E602351-S72	Bolt	2
7	DORY-6258-A	Retainer	1
8	77BM-6256-AA	Sprocket - Camshaft	1
9	E602166-S72	Bolt	2
10	DORY-6255-A	Retainer	1
11	DORY-6269-A	Plate - Thrust	1
12	89BM-6251-AA	Camshaft	1
13	77BmM-6351-BB	Support - Rocker Shaft	4
14	E800509-S72	Bolt - Rocker Support	4
15	E630031-S101	Washer	4
16	DORY- 6549-B	Screw	8
17	89BM-6529-AB	Valve Rocker Arm - R.H. (Inc. Ref. #16)	4
*	89BM-6K28-AB	Valve Rocker Arm - L.H. (Inc. Ref. #16)	4
18	DORY-6587-A	Spring - Locating	3
19	89BM-6565-AA	Rod - Valve Push	8
20	89BM-6500-AA	Tappet - STD.	8
21	84BM-6148-DA	Ring Set - STD.	4
*	84BM-6148-EA	Ring Set - .02005	A/R
*	84BM-6148-FA	Ring Set - .04005	A/R

Ref. No.	Part No.	Description	No. Used
22	89BM-6102-AA	Piston Assembly STD. (Inc. Ref. #21)	4
*	89BM-6102-BA	Piston Assembly .02005 (Inc. Ref. #21)	A/R
*	89BM-6102-CA	Piston Assembly .04005 (Inc. Ref. #21)	A/R
23	77BM-6200-88	Connecting Rod Assy.	4
24	89SM-6211-AA	Bearing - Rod STD.	8
*	89SM-621 1-BA	Bearing - Rod .001 U.S.	A/R
*	89SM-621 1-CA	Bearing - Rod .010 U.S.	A/R
*	89SM-621 1-DA	Bearing - Rod .020 U.S.	A/R
*	B9SM-621 1-EA	Bearing - Rod .030 U.S.	A/R
25	89BM-6333-AA	Main Bearing - Crank STD. OD STD. ID	3
*	89BM-6333-BA	Main Bearing - Crank STD. OD .005 U.S. ID	A/R
*	89BM-6333-CA	Main Bearing - Crank STD. OD .010 U.S. ID	A/R
*	89BM-6333-DA	Main Bearing - Crank 015 OD STD. ID	A/R
*	86BM-6333-EA	Main Bearing - Crank STD. OD .020 U.S. ID	A/R

\*Not Illustrated

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



T-1004

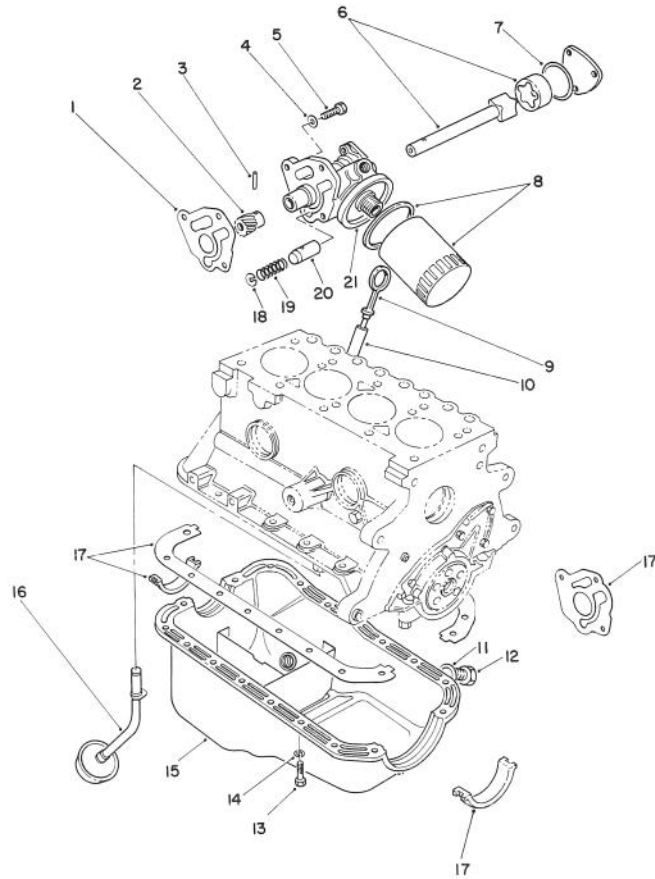
## CRANKSHAFT & CAMSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
25	89BM-6333-FA	Main Bearing - Crank STD. OD .030 U.S. ID	A/R
*	89BM-6333-GA	Main Bearing -Crank .015 O.S. OD .010 U.S. I.D.	A/R
*	89BM-6333-HA	Main Bearing - Crank .015 O.S. OD .020 U.S. ID	A/R
26	89BM-6344-AA	Gasket Rear Retainer	1
27	77BM-6K318-AC	Retainer Assembly Rear	1
28	83BM-6701-A4A	Seal Crankshaft Rear	1
29	E630173- S71M	Lockwasher	4
30	E602187-S82	Bolt	4
31	89BM-6303-CA	Crankshaft Assembly	1
32	DORY-6306-A	Sprocket	1
33	D8RZ-6310-A	Singer Oil	1
34	83BM-6700-A4A	Seal - Front Cover	1
35	70HM-6397-AA	Dowel	2
37	DORY-6B316-A	Key - Woodruff	1
38	89BM-6A341-AA	Washer - Bearing Thrust STD.	2
*	89BM-6A341-BA	Washer - Bearing Thrust .0150.5.	A/R

Ref. No.	Part No.	Description	No. Used
39	89BM-6214-CB	Bolt - Connecting Rod	8
40	116336-ES100	Dowel Pin - Rod	8
41	89BM-6011-BA	Cylinder Block	1
42	DORY-6262-A	Bearing - STD. ID STD. O.D.	1
*	DORY-6262-B	Bearing - STD. ID +.020 OD	A/R
43	34805-S8	Lockwasher	2
44	E602166-S72	Bolt	1
45	E60016-S72	Bolt	1
46	DIFZ-6284-A	Tensioner	1
47	77BM-6K255-AB	Arm - Tensioner	1
48	DIFZ-6286-A	Pin	1
49	DORY-6261-A	Bearing - STD. ID STD. O.D.	1
*	DORY-6261-B	Bearing - STD. ID +.020 OD	A/R
50	DORY-6268-A	Chain	1
51	DORY-6253-A	Dowel	1
*	88BX-6008-AA	Gasket Kit Complete	1
*	88BX-6014-AA	Gasket Kit Upper	1
52	E-840161-S	Dowel	1

\*Not Illustrated

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

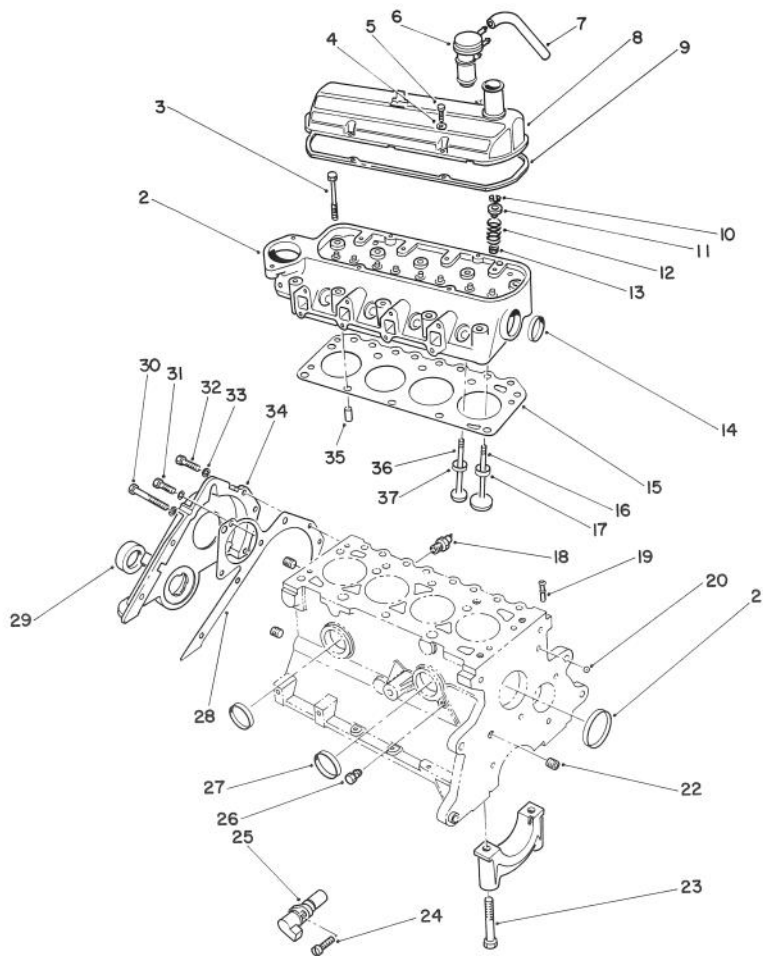


T-1003

## OIL PUMP & FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	89BM-6659-AA	Gasket - Oil Pump	1	12	EOFZ-6730-B	Plug - Oil Drain	1
2	DORY-6652-A	Gear	1	13	E602165-S72	Bolt	18
3	72432-S	Pin - Drive Gear	1	14	34805-S8	Lockwasher	18
4	E631073-S71 M	Lockwasher	3	15	77BM-6675-AC	Oil Pan	1
5	E80051 9-S72	Bolt	3	16	86BM-6617-AA	Oil Pickup Tube Assy.	1
6	DIFZ-6608-B	Rotor & Shaft	1	17	A76SX-6013-AA	Kit - Gasket Seal	1
7	116682-ES	Seal Cover Plate	1	18	DORY-6666-A	Plug	1
8	FI-400-A	Filter - Oil	1	19	DORY-6670-A	Spring	1
9	89BM-6750-AA	Indicator - Oil Level	1	20	DORY-6674-A	Plunger	1
10	89BM-6784-AA	Tube Oil Level Indicator	1	21	D8RZ-6600-A	Pump - Oil	1
11	EOFZ-6734-A	Gasket Oil Drain Plug	1				

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



T-1002

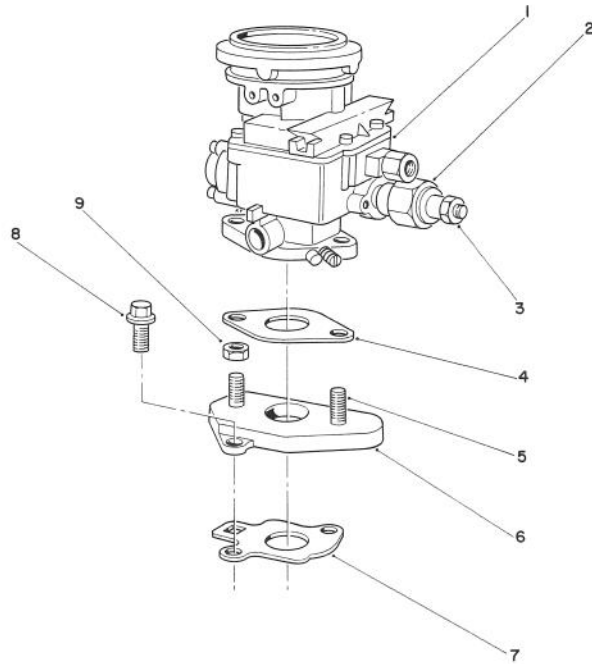
## CYLINDER HEAD & VALVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	89BM-6049-HB	Cylinder Head Assembly	1
3	89BM-6065-DA	Bolt - Cylinder Head	10
4	118297-ES8	Washer - Flat	4
5	6800516-S72	Screw - Rocker Cover	4
6	84BF-6K614-CA	Cap - Oil Fill	1
7	E9JI-6K609-AA	Hose - PCV	1
8	89BM-6582-AA	Cover - Rocker Arm	1
9	77BM-6584-CA	Gasket - Cover	1
10	88WM-6518-AA	Lock Valve Spring	16
11	89BM-6A536-AA	Retainer	8
12	89BM-6513-AA	Spring - Valve	8
13	88WM-6571-BB	Seal - Valve Stem	8
14	D8RZ-6026-B	Plug	1
15	89BM-6051-B2C	Gasket - Cylinder Head	1
16	89BM-6507-AA	Valve - Intake - Std.	4
	89BM-6507-AC	Valve - Intake .040mm O.S.	A/R
*	89BM-6056-AIF	Insert - Intake Seat	4
17	E7RZ-9278-A	Switch Oil Pressure	1
18	D8RZ-6767-A	Adapter	1
19	D8RZ-6767-A	Adapter	1
20	E890100-S	Plug - Ball - Oil Gallery	1

Ref. No.	Part No.	Description	No. Used
21	D8RZ-6026-A	Plug	1
22	87837-S	Plug	3
23	DIFZ-6345-A	Bolt - Bearing Cap	6
24	E802668-S72	Screw	1
25	89BF-6C315-AA	Transducer	1
26	353055-S7	Plug	1
27	D8RZ-6026-B	Plug	2
28	89BM-6020-AA	Gasket - Front Cover	1
29	83BM-6700-A3A	Seal - Front Cover	1
30	E800518-S72	Bolt	1
31	E600113-S72	Bolt	3
32	E800512-S72	Bolt	4
33	E630152-S71	Lockwasher	8
34	89BM-6019-AA	Cover & Seal Assembly (Incl. Ref. #29)	1
35	E840126S	Dowel	2
36	89BM-6505-BC	Valve - Exhaust .040mm O.S.	A/R
*	89BM-6505-CA	Valve - Exhaust Std.	4
37	89BM-6057-A2E	Insert - Exhaust Seat	4

\*Not Illustrated

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



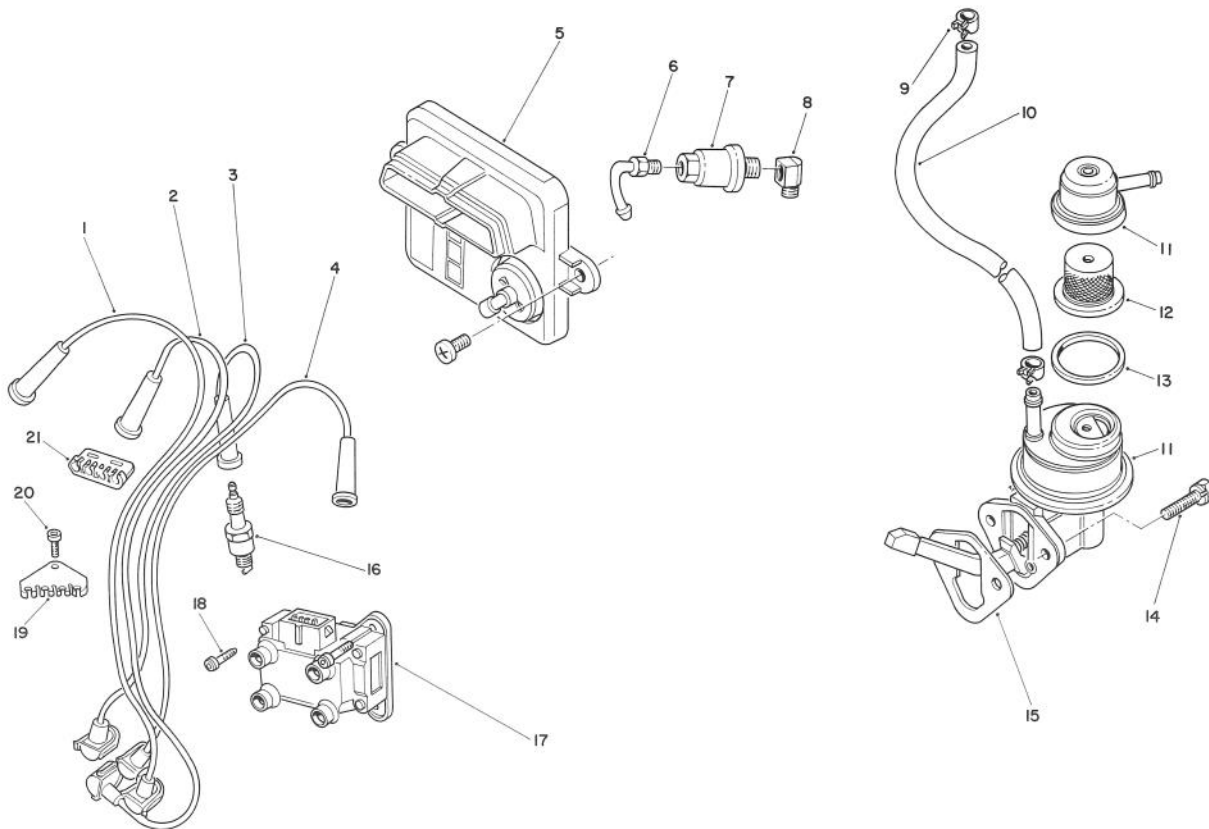
T-0999

## CARBURETOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	FOJL-9510BA	Carburetor Assembly	1	6	E8JI-9A589-CB	Adapter	1
2	84FB-9K765-8A	Solenoid	1	7	87BF-9447-BA	Gasket	1
3	N621903-S2	Nut & Washer	1	8	N800055-S	Bolt	2
4	E5JI-9447-BA	Gasket	1	9	N620041-S51	Nut	2
5	E804216S	Stud	2	*	FOJI-9590-BA	Repair Kit	1

\*Not Illustrated

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



T-1001

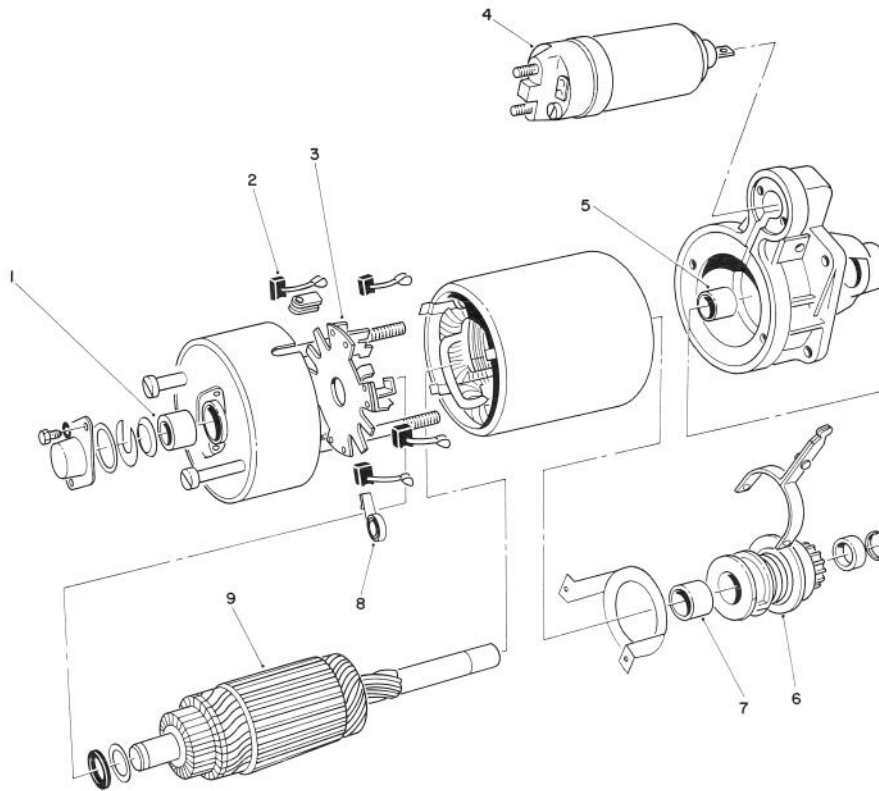
## IGNITION & FUEL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	89BF-12287-AC	Wire - Spark Plug #4	1
2	89BF-12284-AC	Wire - Spark Plug #3	1
3	89BF-12283-AC	Wire - Spark Plug #2	1
4	88BF-12286-AC	Wire - Spark Plug #1	1
5	89BF-12A297-GA	Module - Ignition	1
6	D9JI-9A520-A	Adapter	1
7	FG795A	Filter - Fuel (Motorcraft)	1
8	370829-S101	Elbow	1
9	380882-S32	Clamp - Fuel Hose	A/R
10	381103-S180A	Hose - Fuel	1
11	83BF-9350-AA	Fuel Pump (Incl. Ref. #12 & 13)	1

Ref. No.	Part No.	Description	No. Used
12	692F-9486-AA	Screen Assembly	1
13	692F-9364-AA	Gasket - Bowl	1
14	E602551-S2	Screw & Washer	2
15	63BM-9417-A1A	Gasket - Fuel Pump	1
16	AGRF22	Spark Plug	1
*	AGSF22C	(Motorcraft)	4
17	89BF-12024-AB	Coil & Bracket Assy.	1
18	E804335-S201	Screw	3
19	89BF-12297-AA	Separator - Wire	1
20	E802166-S76	Screw	1
21	E865648-S	Separator - Wire	1

\*Not Illustrated

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



T-1005

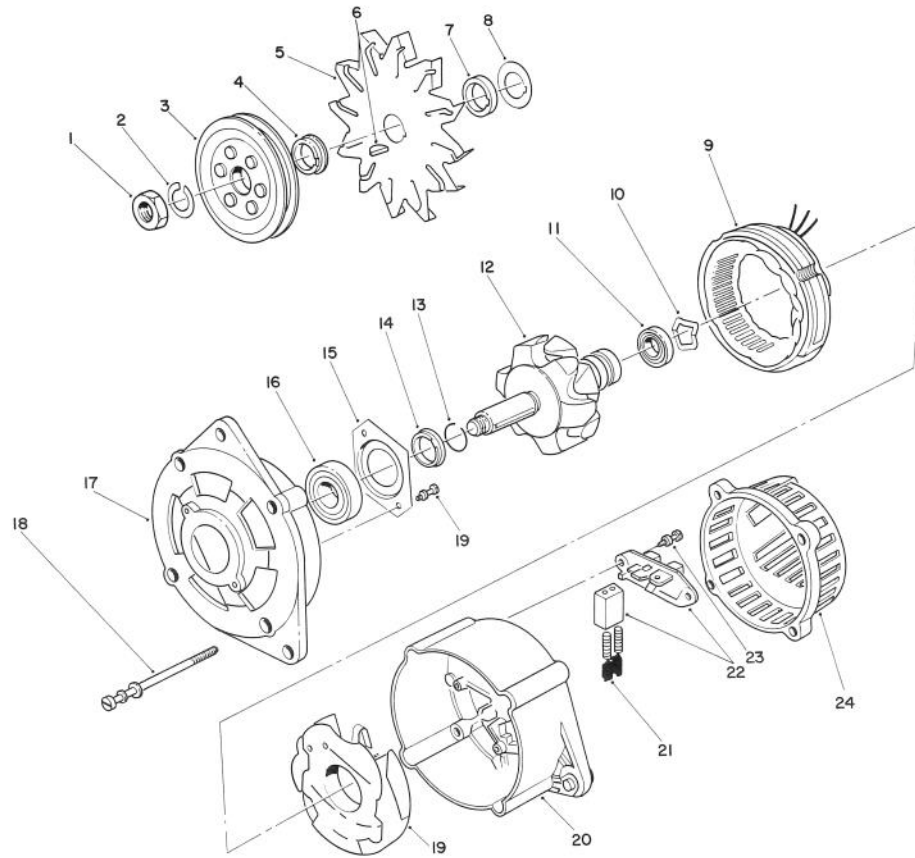
## STARTER MOTOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	DORY-11135-B	Bushing Brush End (ID No. 1211227 Starter)	1
1	EORZ-11135-A	Bushing Brush End (ID No. 1211512 Starter)	1
2	D8RZ-11057-A	Brush Set (ID No. 1211227 Starter)	1
2	E0RZ-11057-A	Brush Set (ID No. 1211512 Starter)	1
3	DORY-11061-A	Holder Brush (ID No. 1211227 Starter)	1
3	EORZ-11061-A	Holder Brush (ID No. 1211512 Starter)	1
4	D3RY-11390-A	Solenoid	1
5	D3RY-11135-A	Bushing Drive End	1

Ref. No.	Part No.	Description	No. Used
6	D8RZ-11350-A	Drive Assembly (ID No. 1211227 Starter)	1
6	EORZ-1 1350-A	Drive Assembly (ID No. 1211512 Starter)	1
7	DORY-11135-A	Bushing Starter Drive (ID No. 1211227 Starter)	1
8	D6RY-11059-A	Spring Brush (ID No. 1211227 Starter)	4
8	EORZ-11059-A	Spring - Brush (ID No. 1211512 Starter)	4
9	DORY-11K126-A	Armature Installation Kit (ID No. 1211227 Starter)	1
9	EORZ-1 1K126-A	Armature Installation Kit (ID No. 1211512 Starter)	1

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





T-1000

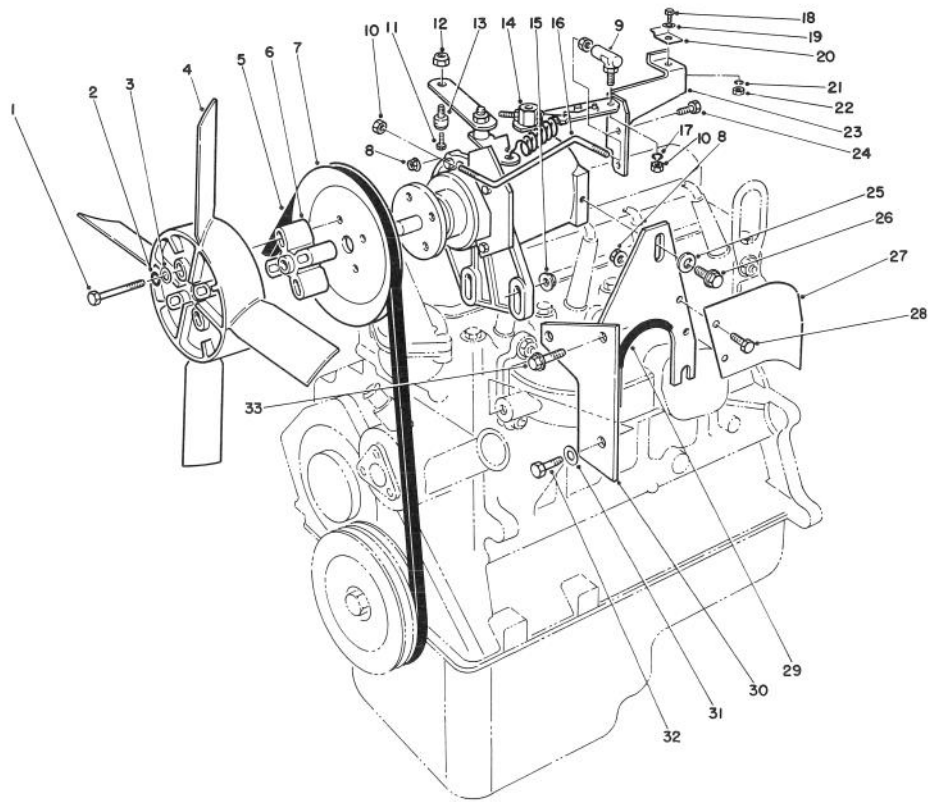
## ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1		Nut	1
2		Washer - Lock	1
3	D5RY-10344-A	Pulley	1
4		Bushing	1
5		Fan	1
6		Key - Woodruff	1
7		Bushing	1
8		Washer	1
9		Stator Assembly	1
10		Retainer	1
11	D2RY-10A304-A	Bearing - Rear	1
12		Rotor	1
13		Retainer	1
14		Bushing	1

Ref. No.	Part No.	Description	No. Used
15		Plate - Bearing	1
16	DIRY-10A303-A	Bearing - Front	1
17		Cover - Front	1
18		Screw & Washer	4
19		Screw & Washer	2
20		Housing	1
21	E7RY-10347-A	Brush Set	2
22	86GB-10316-AA	Regulator Assembly	1
23		Screw & Washer	2
24		Cover - Rear	1
*	DIRY-10B304-A	Pulley Installation Kit (Incl. Ref. #1, 2, 6, 7, 10 & 19)	1
*	86AB-10300-AB	Alternator Complete	1

\*Not Illustrated

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



T-0921

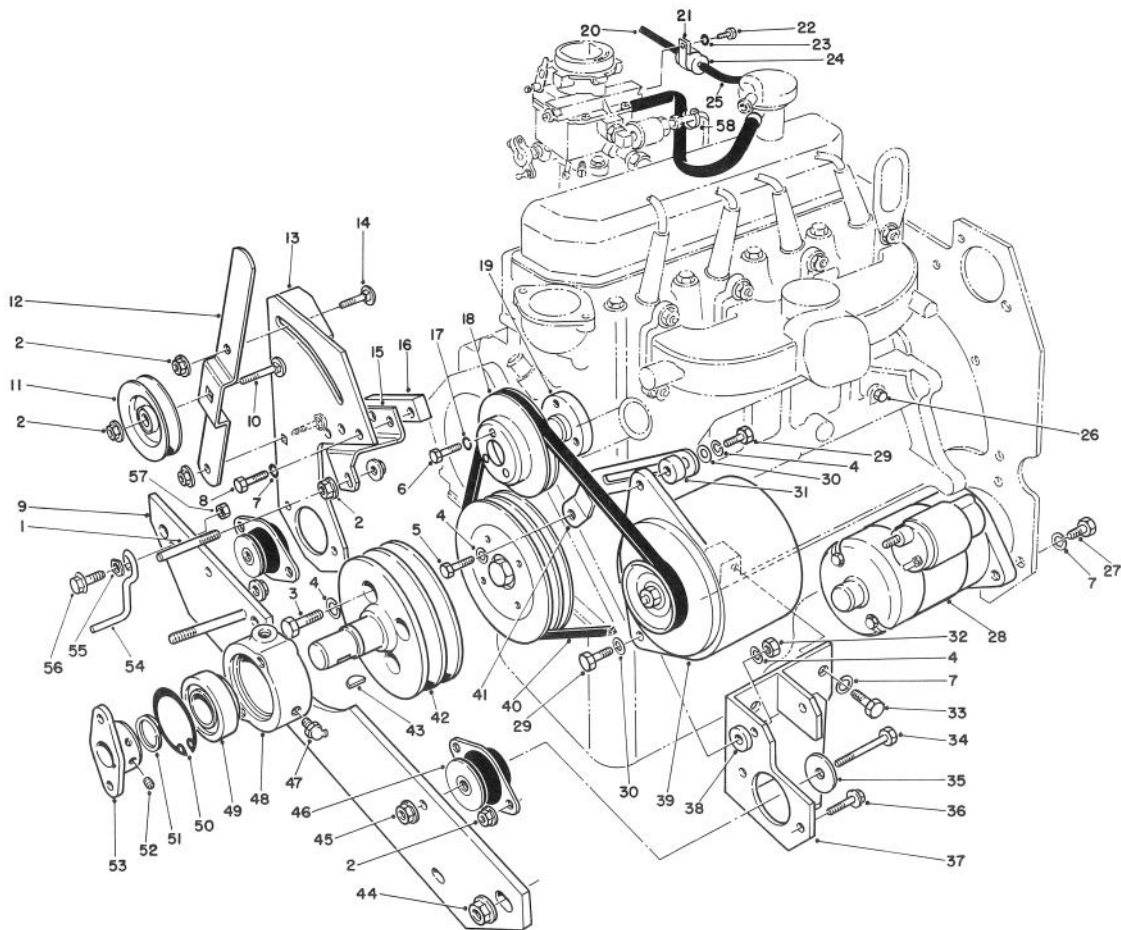
## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-12	Screw - Cap, Hex Hd.	4
2	3253-4	Washer - Lock	4
3	3256-2	Washer - Flat	4
†4	E7JI-B600-AA	Fan	1
5	67-8510	Belt - Fan	1
6	67-8390	Spacer - Fan	1
7	67-8380	Pulley - Fan	1
8	32128-33	Nut - Lock, Flange	4
9	21-5640	Joint - Ball	1
10	3219-14	Nut - Hex	3
11	25-8640	Screw - Machine	1
12	3296-20	Nut - Lock	1
13	43-3780	Swivel - Cable Throttle	1
14	67-8360	Governor	1
15	3240-357	Nut - Lock, Flange	2
16	67-8250	Rod - Throttle	1
17	3253-12	Washer - Lock	1

Ref. No.	Part No.	Description	No. Used
18	321-4	Screw - Cap, Hex Hd.	1
19	3256-22	Washer - Flat	1
20	2412-31	Clamp - Cable	1
21	3253-3	Washer - Lock	1
22	3217-5	Nut	1
23	67-8240	Bracket - Throttle	1
24	321-6	Screw - Cap, Hex Hd.	2
25	3256-56	Washer - Flat	1
26	3234-5	Screw - Lock, Flange Hd.	1
27	67-8920	Shield - Heat	1
28	321-39	Screw - Cap, Hex Hd.	2
29	70-2040	Guard - Trim	1
30	67-9150	Support - Governor	1
31	42-9780	Washer - Flat	1
32	48-7710	Screw - Cap, Hex Hd.	1
33	3234-11	Screw - Lock, Flange Hd.	2

\*Not Illustrated

†Obtain from your local Ford Power Products Dealer.

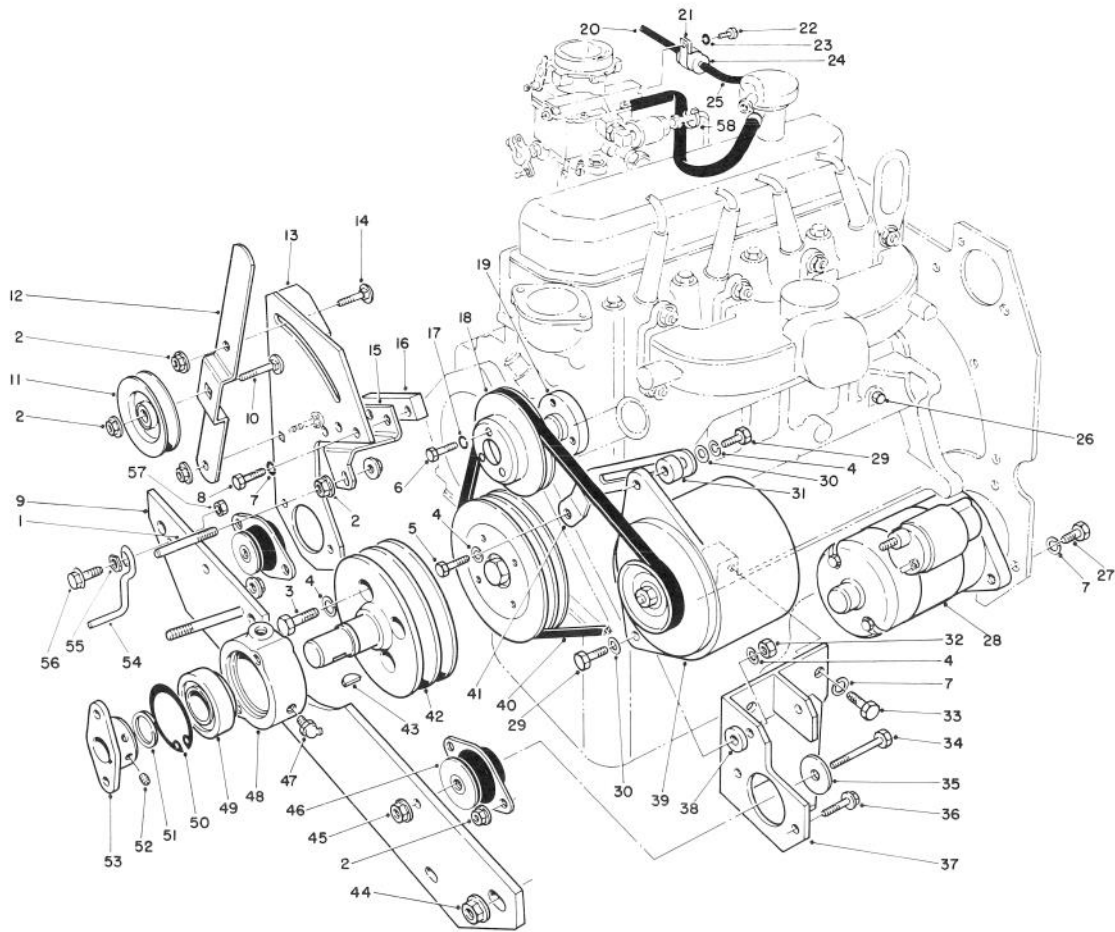


T-0922

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	21-1820	Stud - Retainer Belt	3	†26	353055-57	Plug - Water Drain	1
2	3290-357	Nut - Lock, Flange	12	27	48-9470	Screw - Metric	3
3	42-9500	Screw - Metric	4	†28	D8RZ-11002-A	Starter	1
4	42-9850	Washer - Lock	8	29	42-9530	Screw - Metric	3
5	48-7730	Screw - Metric	1	30	42-9780	Washer - Flat	4
6	43-2600	Screw - Metric	3	31	67-9010	Spacer - Alternator	1
7	42-9600	Washer - Lock	8	32	48-7930	Nut Metric	2
8	48-7800	Screw - Metric	3	33	48-7780	Screw - Metric	2
9	75-9900	Support - Engine Front	1	34	324-12	Screw - Cap Hex. Hd.	2
10	3231-28	Bolt - Carriage	1	35	53-9480	Washer - Snubber	2
11	63-8140	Pulley - Idler	1	36	3234-11	Screw - Flange Lock	4
12	67-8890	Arm - Idler	1	37	67-8260	Mount - Engine Front L.H.	1
13	67-8310	Mount - Engine Front R.H.	1	38	67-8900	Spacer - Alternator	1
14	3231-22	Bolt - Carriage	2	†39	86AB-10300-AB	Alternator	1
15	67-8350	Bracket - Guide Belt	1	40	67-8520	Belt - Alternator	1
16	67-8340	Bar - Spacer	1	†41	89BF-10145-AB	Arm Adjust Alternator	1
17	43-5930	Washer - Lock	3	42	67-8460	Pulley - Engine	1
†18	DIZE-8A528-DA	Pulley - Water Pump	1	43	3257-33	Key - Woodruff	1
19	67-8910	Spacer - Pulley	1	44	32128-23	Nut - Lock, Flange	2
20	70-1920	Hose - Vacuum	1	45	32128-37	Nut - Lock, Flange	2
21	384007-5	Clamp - Valve	1	46	53-9680	Mount - Engine	2
22	3250-29	Screw - Pan Hd.	1	47	302-10	Fitting - Grease	1
23	3256-21	Washer - Flat	1	48	43-3720	Collar Bearing	1
†24	D23E-9C369-AA	Fuel Separator	1	49	251-252	Bearing	1
25	70-1910	Hose - Vac. Advance	1	50	32120-22	Ring - Retaining Int.	1

†Obtain from your local Ford Power Products Dealer.

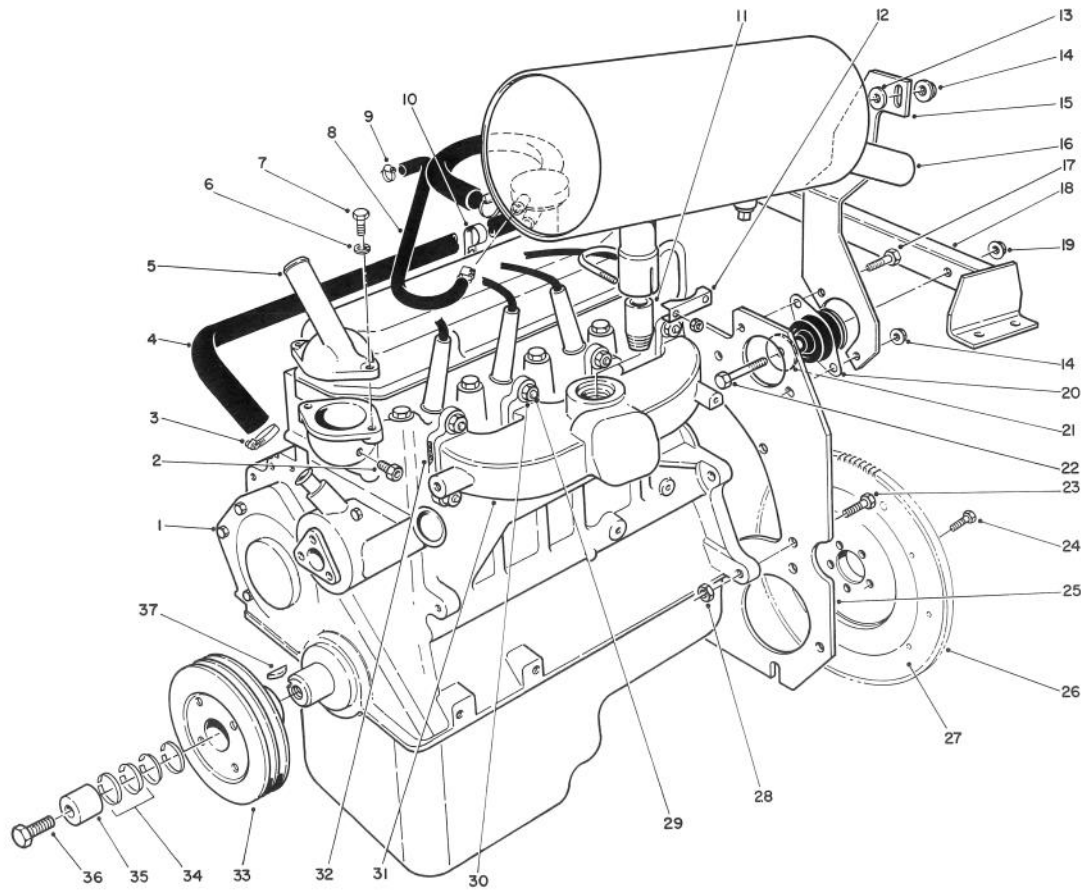


T-0922

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
51	32120-69	Ring - Retaining Ext.	1
52	3245-1	Screw - Set	2
53	27-1960	Hub - Engine	1
54	63-1400	Rod - Belt	1

Ref. No.	Part No.	Description	No. Used
55	3290-224	Washer - Pyramidal	1
56	3234-18	Screw - Hex. Hd. Flange	1
57	32153-2	Nut - Lock	1
58	3290-379	Cable - Tie	3



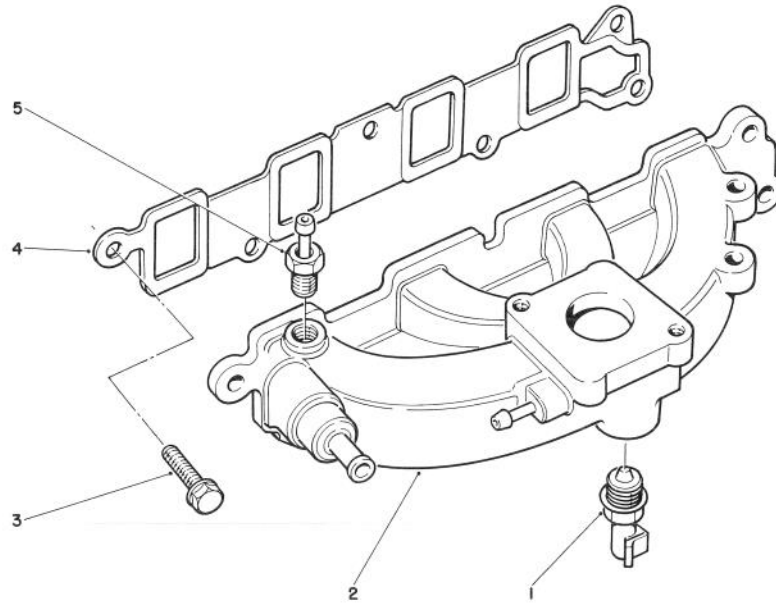
T-0923

## ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
‡1	Model VSG-411	TYPE 60005A S04641E Engine	1	20	53-9680	Mount - Engine	2
2	70-1690	Adapter - Gauge Temp.	1	21	53-9480	Washer - Snubber	2
3	2412-119	Clamp - Hose	2	22	324-11	Screw - Cap, Hex Hd.	2
4	70-1670	Hose - Heater	1	†23	N80057-S2	Bolt	4
5	67-8940	Connector - Outlet	1	†24	D2RY-6379-4	Bolt	5
†6	E630173-S71 M	Washer - Lock	2	25	67-8440	Plate - Support Engine	1
†7	E6021 87-S82	Screw - Cap	2	†26	D8RZ-6384A	Ring Gear - Flywheel	1
8	70-2050	Hose - Breather	1	†27	89BM-6375-AA	Flywheel Assembly (Incl. Ref. #26)	1
9	2412-108	Clamp	2	†28	N6200482-S2	Nut	4
10	2412-39	Clamp - R	1	†29	E804627-S76	Stud	8
11	67-9130	Pipe - Muffler	1	†30	NG20481 -S2	Nut	8
12	2112-6	Clamp - Muffler	1	†31	EBJI-9430-CA	Manifold - Exhaust	1
13	5-0652	Spacer	1	†32	89BM-9448-BA	Gasket - Manifold	4
14	3290-357	Nut - Lock, Flange	5	†33	E7JI-6A312-AA	Pulley	1
15	67-8420	Bracket - Muffler	1	†34	E7JI-6N300-AA	Locking Ring Set	2
16	67-9120	Muffler	1	†35	E7JI-6378-AA	Compression Ring	1
†17	N605799-S2	Bolt	2	†36	E7JI-6K340-AA	Bolt	1
18	67-8480	Support - Engine Rear	1	†37	Dory-6B316-A	Key	1
19	32128-37	Nut - Lock, Flange	2				

†Obtain from your local Ford Power Products Dealer.

‡Note: Includes all Ford part numbers from all pages.

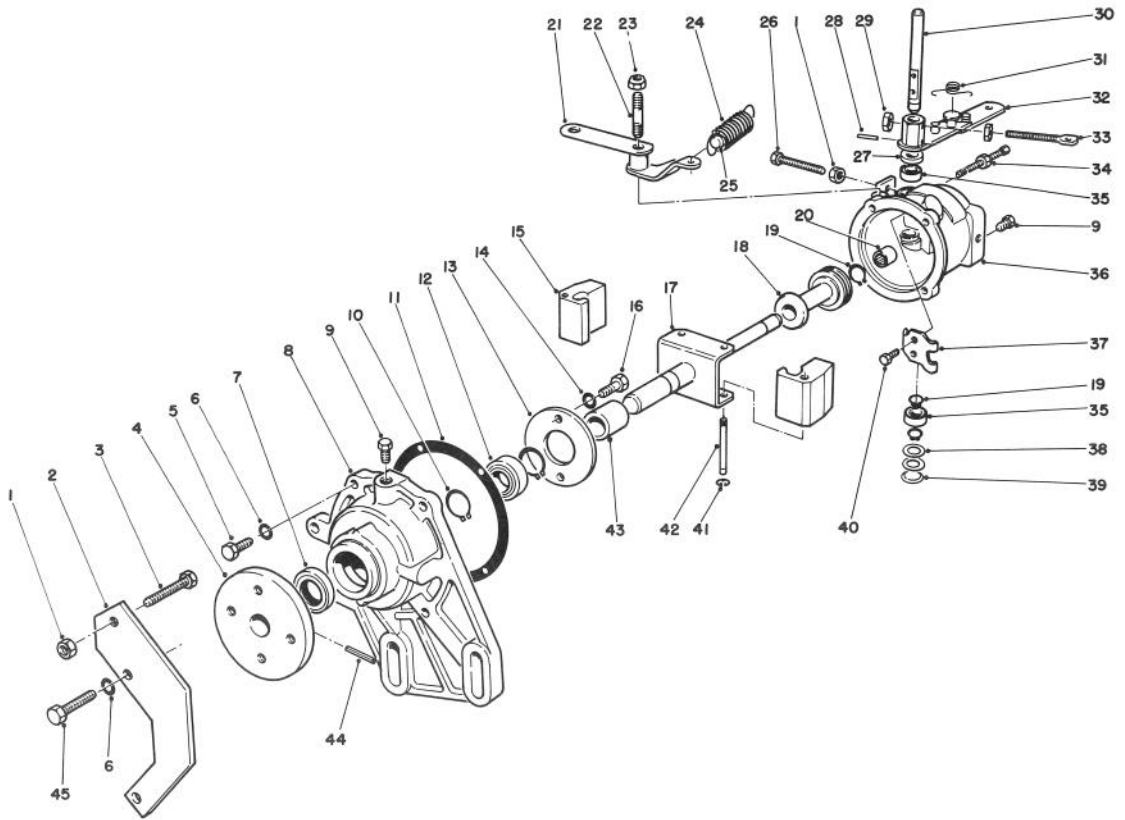


T-1176

## MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	E4AF-12A648-AA	Sensor - Temp. Water	1
2	89BF-9424-AD	Manifold - Intake	1
3	E800157-S72	Bolt	6

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



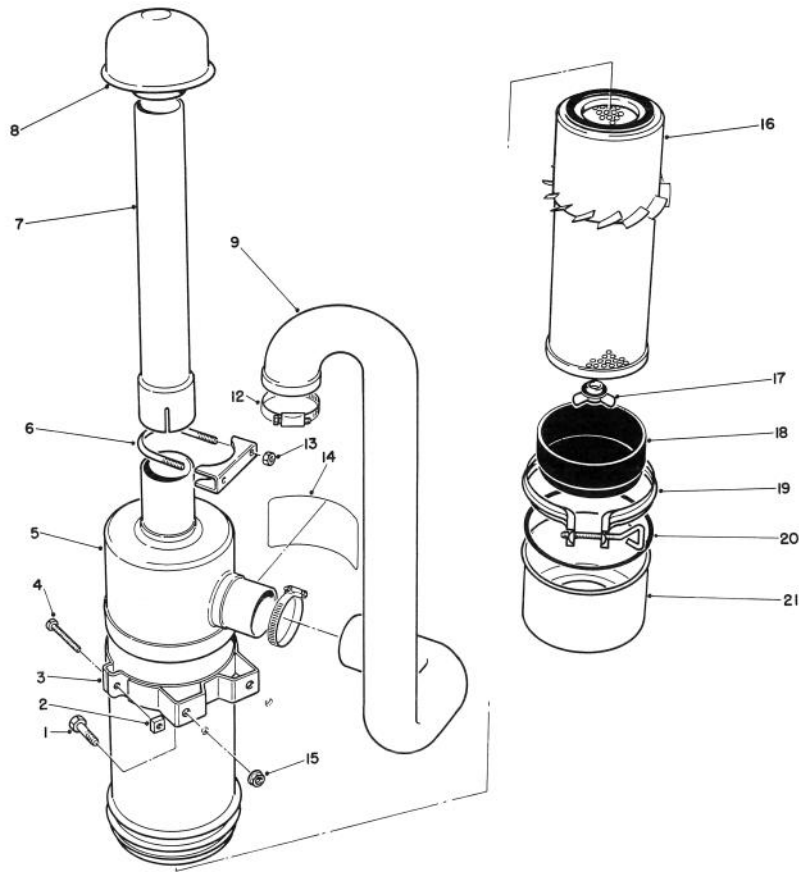
T-0933

## GOVERNOR ASSEMBLY NO. 67-8360

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

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



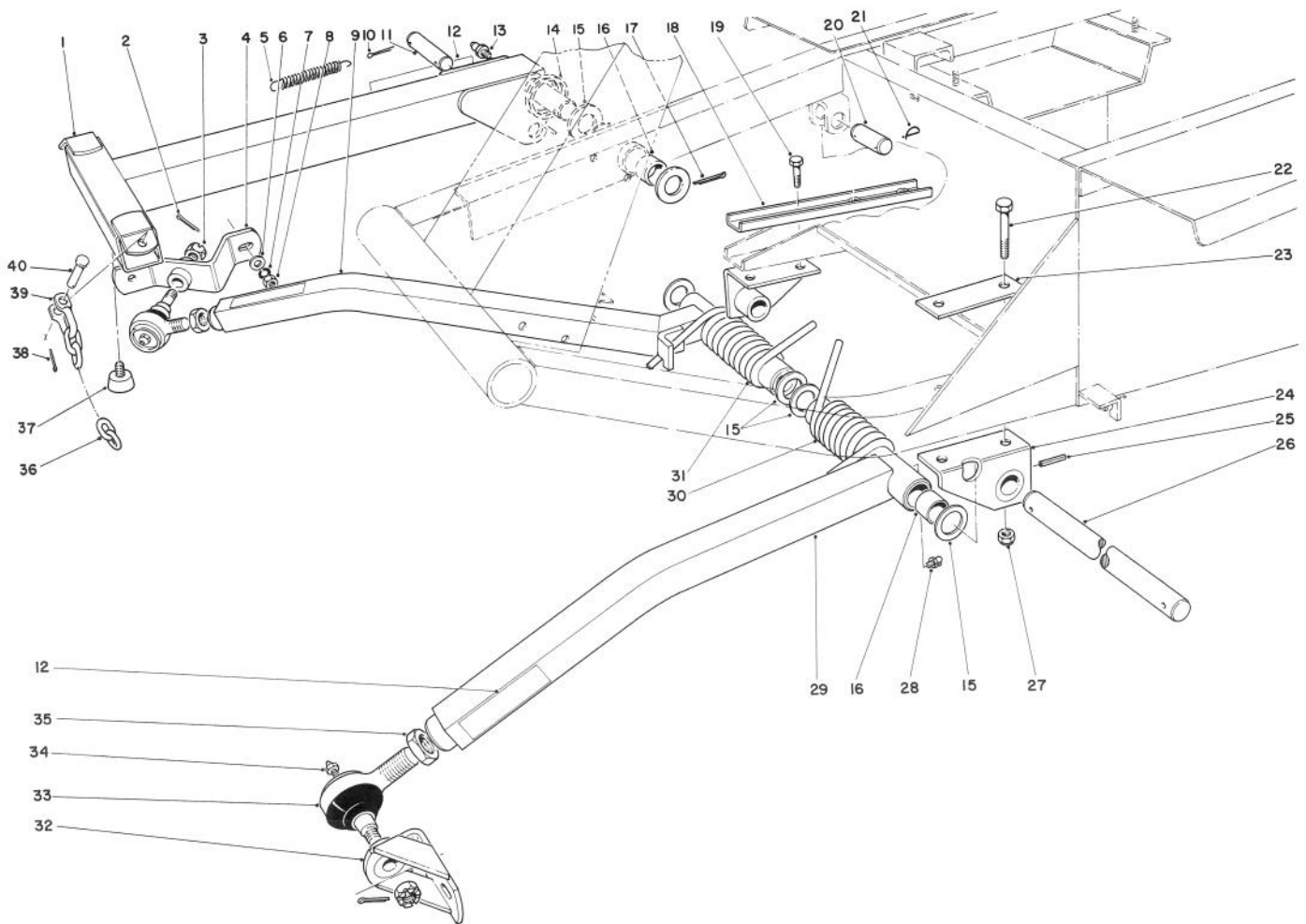


T-0934

## AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	322-3	Screw - Cap, Hex. Hd.	4
2	32107-11	Nut	2
3	27-7170	Band Assembly (Incl. Ref. #2 & 4)	2
4	3258-19	Round Hd. Machine Screw	2
5	27-7100	Air Cleaner Assembly (Incl. Ref. #14-20)	1
6	20-4840	Muffler Clamp (Incl. Ref. #13)	1
7	43-3810	Tube Air Cleaner	1
8	27-7180	Cap Assembly - Air Inlet	1
9	82-5590	Hose - Air Cleaner	1
12	2412-42	Hose Clamp	2

Ref. No.	Part No.	Description	No. Used
13	3217-6	Nut	2
14	27-7160	Decal - Instructions	1
15	32128-20	Nut - Lock, Flange Hd.	4
16	27-71 10	Element Assembly	1
17	27-7120	Nut & Gasket Assembly	1
18	27-7140	Skirt - Baffle	1
19	27-71 30	Clamp Assembly	1
20	80-3330	Gasket	1
21	27-7150	Cap Assembly	1

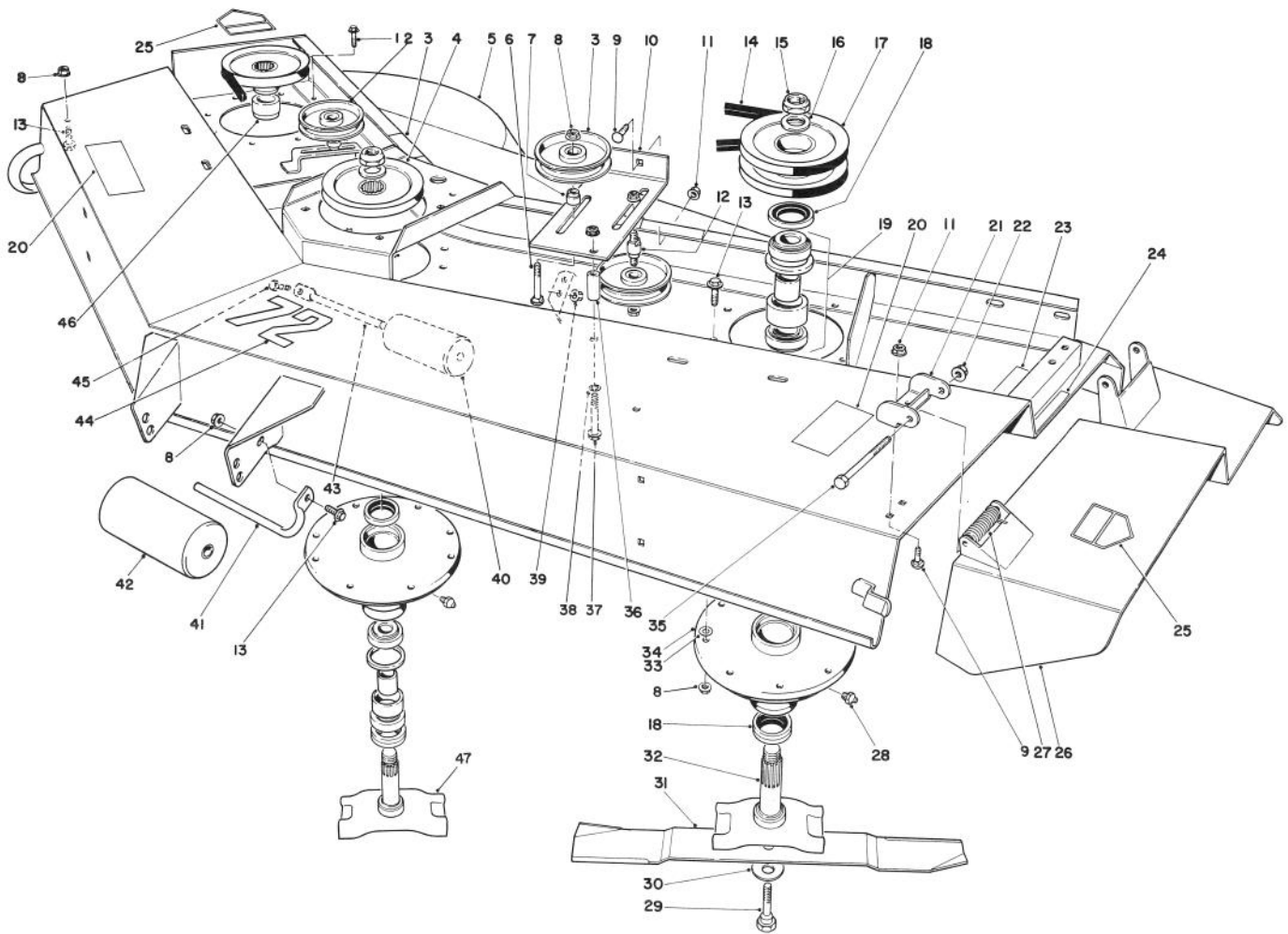


T-0440

## PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66-6370	Lift Arm	1
2	3272-11	Cotter Pin	2
3	32136-2	Nut	2
4	21-3020	Ball Joint Mount Rd. Hd.	1
5	21-1830	Spring Tension	1
6	3256-25	Flat Washer	1
7	3253-6	Lockwasher	2
8	3217-8	Full Nut	2
9	66-7150	Push Arm R.H. (Incl. Ref. #16 & 28)	1
10	3272-24	Cotter Pin	1
11	24-9510	Pin	1
12	61-3610	Warning Decal	3
13	302-5	Grease Fitting	1
14	46-8840	Spring Lift Arm	1
15	5-1754	Washer	6
16	256-126	Bushing	6
17	3272-33	Cotter Pin	1
18	23-1950	Support Reinforcement	1
19	324-4	Capscrew	2
20	3-7292	Pin	1

Ref. No.	Part No.	Description	No. Used
21	5-3126	Spring Pin	3
22	324-12	Capscrew	2
23	21-3750	Support Plate	1
24	21-2860	Push Arm Bracket	2
25	32121-84	Roll Pin	2
26	21-2990	Shaft Pivot	1
27	32152-9	Nut	4
28	302-33	Grease Fitting	2
29	21-2960	Push Arm L.H. (Incl. Ref. #16 & 28)	1
30	21-2900	Spring - Torsion L.N.	1
31	21-2890	Spring - Torsion R.H.	1
32	21-3050	Ball Joint Mount L.H.	1
33	21-0160	Ball Joint Assembly	2
34	302-2	Grease Fitting	2
35	21-3000	Jam Nut	2
36	3-1365	Chain - Lift	3
37	67-9800	Bumper	3
38	3272-10	Cotter Pin	3
39	5-2942	Shackle	1
40	283-10	Pin	1

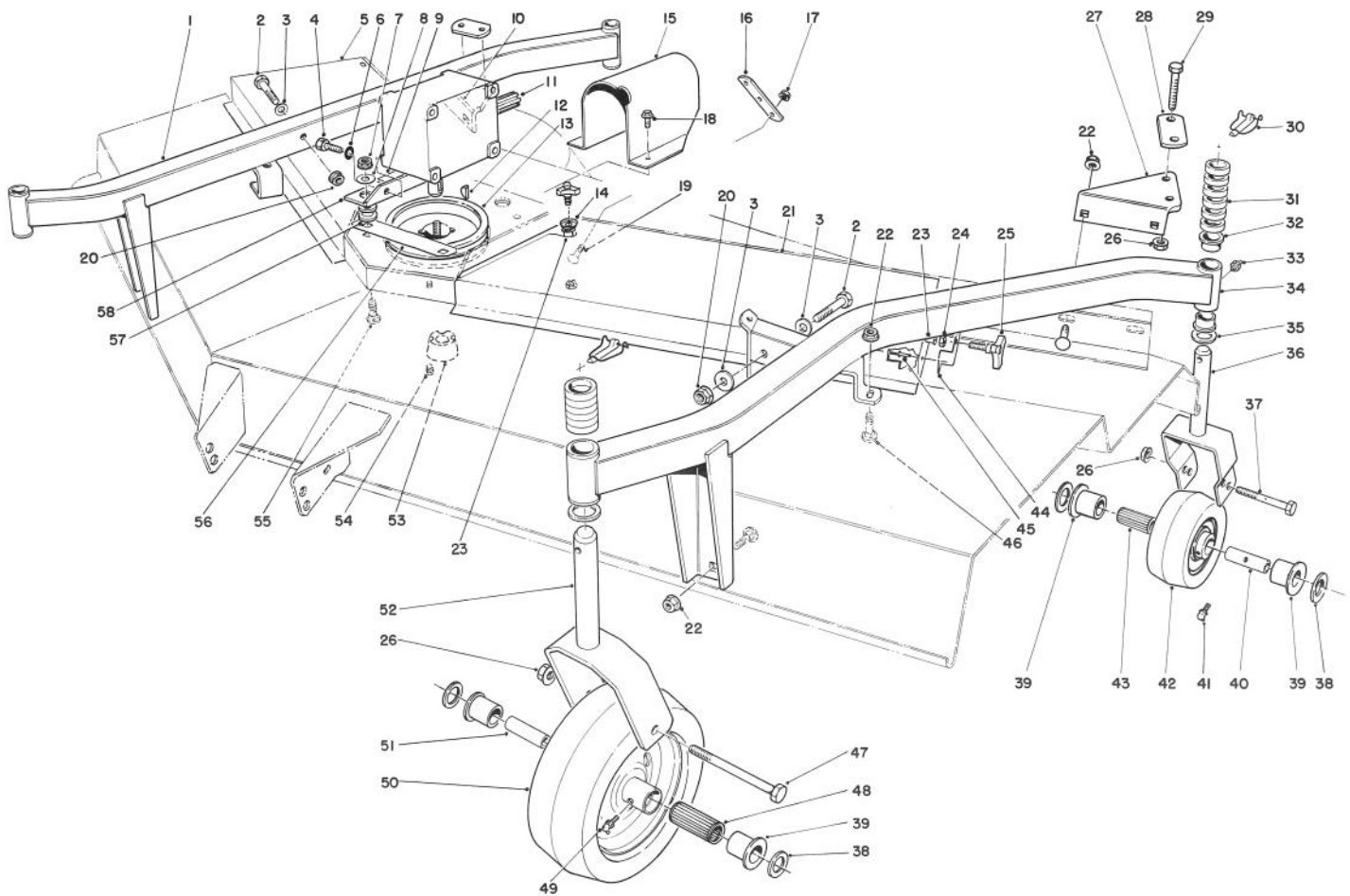


T-0441

## CUTTING UNIT MODEL NO. 30722

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3234-11	Screw - Hex. Flange Hd.	4	25	43-8480	Decal - Danger	2
2	26-1840	Idler Pulley	3	26	51-1470	Deflector	1
3	67-5360	Decal - Danger	2	27	51-1550	Spring	2
4	26-1760	Pulley	2	28	302-52	Grease Fitting	3
5	68-6500	Cutter Deck	1	29	26-1820	Screw - Cap, Grade 8	3
6	3231-29	Bolt - Carriage	2	30	26-1990	Washer - Belleville	3
7	26-1860	Spacer - Idler Pulley	2	31	29-5530	Blade	3
8	32128-21	Nut - Lock, Flange Hd.	33	32	26-1690	Spindle - Outer	2
9	3231-27	Bolt - Carriage	6	33	3256-24	Washer - Flat	A/R
10	26-1870	Idler Mount L.H.	1	34	60-9700	Spindle Housing	3
11	3290-357	Nut - Flange, Whiz	6	35	325-17	Screw - Cap, Hex. Hd.	2
12	26-1850	Stud - Idler	1	36	26-1880	Spacer - Idler Mount	1
13	3234-1	Screw - Hex. Hd. Flange	24	37	323-12	Screw - Cap, Hex. Hd.	1
14	21-0890	V-Belt	3	38	3253-21	Washer - Lock	1
15	3296-49	Nut - Lock	3	39	32128-25	Nut - Lock, Flange Hd.	2
16	3-8514	Washer	3	40	36-1740	Roller - Deck	2
17	26-9100	Pulley L.H.	1	41	68-6840	Shaft - Roller	1
18	253-138	Oil Seal	9	42	68-6710	Roller - Deck	1
19	49-8320	Bearing & Spacer Assembly (Matched Set)	3	43	62-4480	Rod - Roller	2
20	66-1340	Decal - Danger	2	44	57-0280	Decal - 72"	1
21	51-1530	Hinge Bracket	2	45	322-4	Screw - Cap, Hex Hd.	2
22	32128-23	Nut - Lock, Flange Hd.	2	46	26-1790	Spacer R.H. Spindle	1
23	68-7280	Decal - Blade Bolt Torque	1	47	26-1680	Spindle Center	1
24	66-6380	Decal - Deflector Missing	1	*	23-2410	Blade High Sail (Optional)	3

\*Not Illustrated



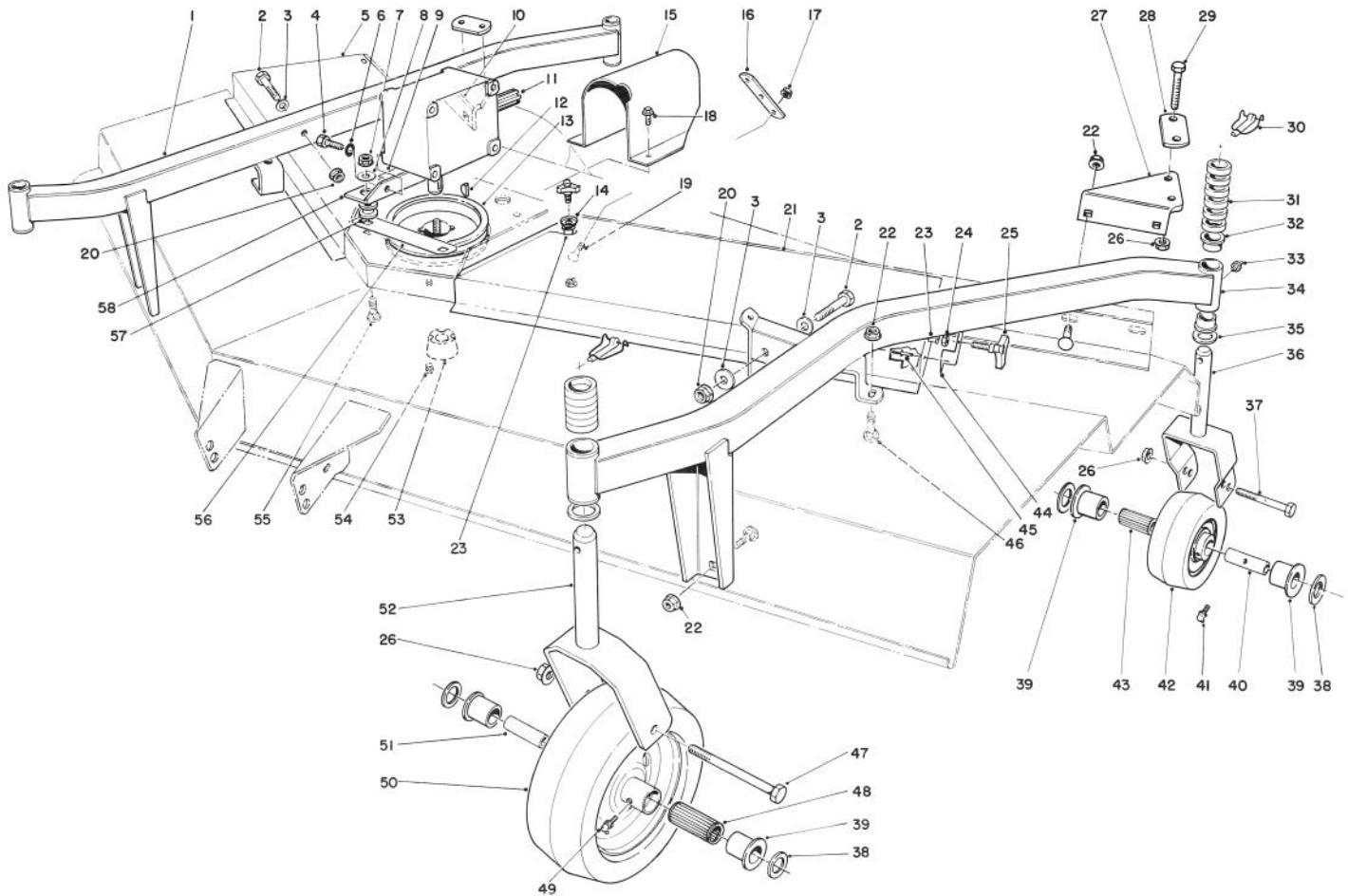
T-0442

## CUTTING UNIT MODEL NO. 30722 (Continued)

Ref. No.	Part No.	Description	No. Used
1	26-1490	Caster Arm R.H. (Inc. Ref. #32)	1
2	324-12	Screw - Cap, Hex Hd.	4
3	66-6480	Washer - Flat	4
4	323-4	Screw - Cap, Hex Hd.	4
5	68-6660	Cover - Deck R.H.	1
6	3253-21	Washer - Lock	4
7	32128-21	Nut - Flange Hd.	4
8	63-8410	Washer	4
9	70-2560	Decal - Lube	1
10	39-3340	Bracket - Castor Clamp	1
11	68-6810	Gear Case Assembly	1
12	3257-5	Key - Woodruff	1
13	26-1400	Pulley - Deck	1
14	66-6310	Washer - Cup	2
15	63-1970	Shroud - Universal	1
16	21-3770	Strap - Lift	1
17	3290-357	Nut - Flange ,Whiz	4
18	32104-82	Screw - Cap, Self - Tap	2
19	3231-27	Bolt - Carriage	2
20	32128-42	Nut - Flange	4
21	68-6690	Cover - Deck L.H.	1
22	32128-49	Nut - Flange ,Whiz	12
‡23	3290-469	Nut - Grip	4
24	3296-59	Nut - Lock	4
25	27-4570	Knob	4

Ref. No.	Part No.	Description	No. Used
26	32128-23	Nut - Lock, Flange	8
27	39-7450	Bracket - Caster Clamp	1
28	39-3330	Bar - Caster Clamp	2
29	325-14	Screw - Cap, Hex Hd.	4
30	3290-384	Pin - Lynch - Safety Type	4
31	63-0070	Spacer - 1/2"	24
32	28-9290	Bushing - Special	8
33	302-5	Fitting - Grease	4
34	26-1430	Caster Arm (Inc. Ref. #32)	1
35	3-6781	Washer	4
36	75-9680	Fork - Caster Rear	2
37	325-18	Screw - Cap Hex Hd.	2
38	3256-6	Washer - Flat	8
39	62-5580	Bushing	8
40	63-1770	Spanner - Rear	2
41	302-11	Fitting - Grease	2
42	63-8400	Wheel - Caster Rear (Incl. Ref. #39, 41 & 43)	2
43	63-8580	Bearing - Roller	2
44	66-1260	Bracket - Knob	2
45	3269-5	Rivet - Pop	4
46	3233-2	Bolt - Carriage	12
47	325-22	Screw - Cap, Hex Hd.	2
48	62-5570	Bearing - Roller	2
49	302-40	Fitting - Grease	2

‡Special tool required to install



T-0442

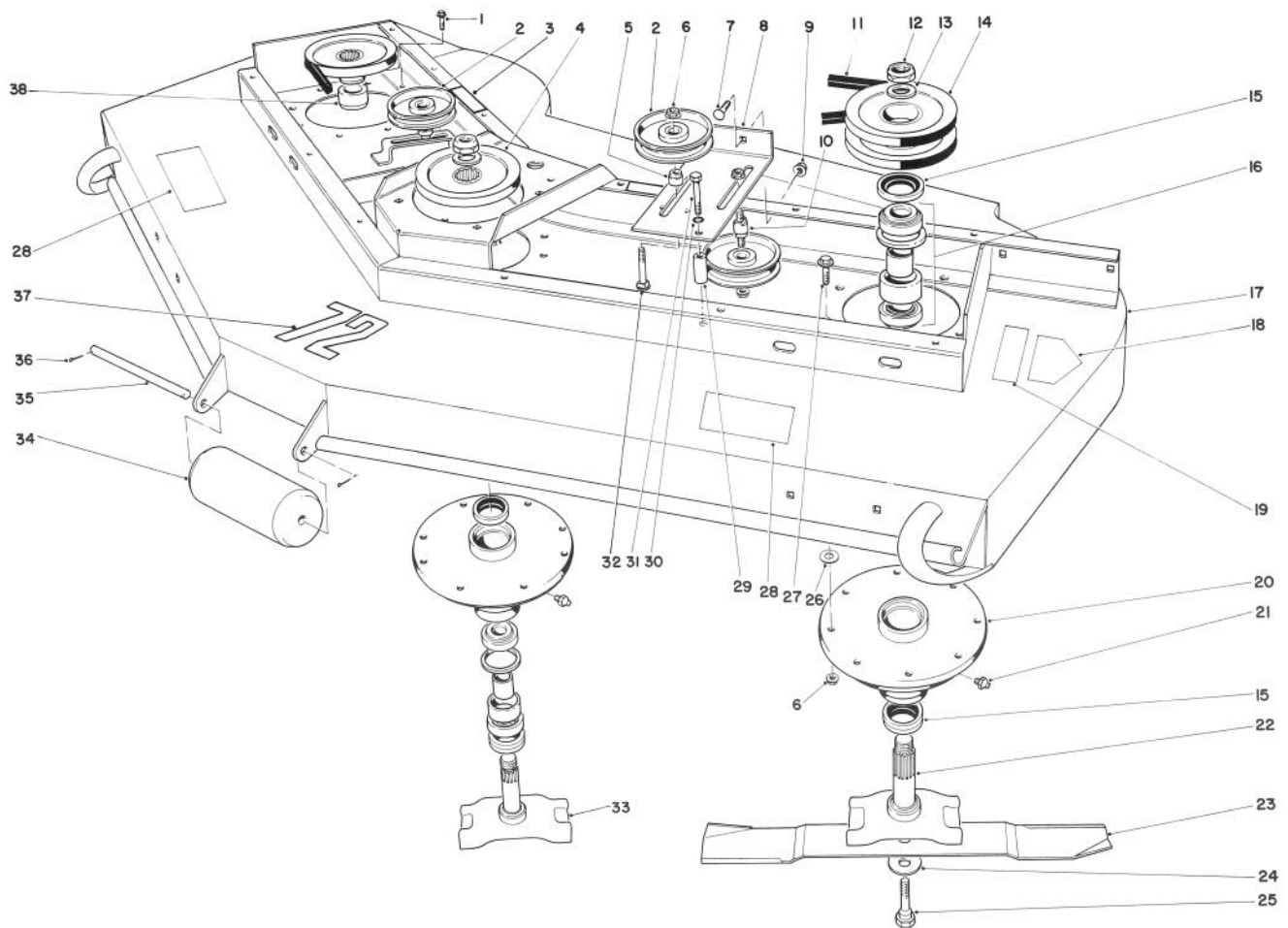
## CUTTING UNIT MODEL NO. 30722 (Continued)

Ref. No.	Part No.	Description	No. Used
50	62-4330	Wheel - Caster Front (Incl. Ref. #39, 48 & 49)	2
51	62-4340	Spanner - Front	2
52	26-1530	Fork - Caster Front	2
53	23-1640	Bushing - Taper Lock (Incl. Ref. #54)	1
54	3247-4	Screw - Set	2

Ref. No.	Part No.	Description	No. Used
55	3231-26	Bolt - Carriage	4
56	68-9890	Cover - Gear Box Front	1
57	63-9750	Mount - Isolation	4
58	68-8560	Bracket - Gear Box	2
*†	54-8810	Pneumatic Tire & Wheel Assembly (Optional)	2

\*Not Illustrated

†See page 49 for pneumatic tire & wheel assembly



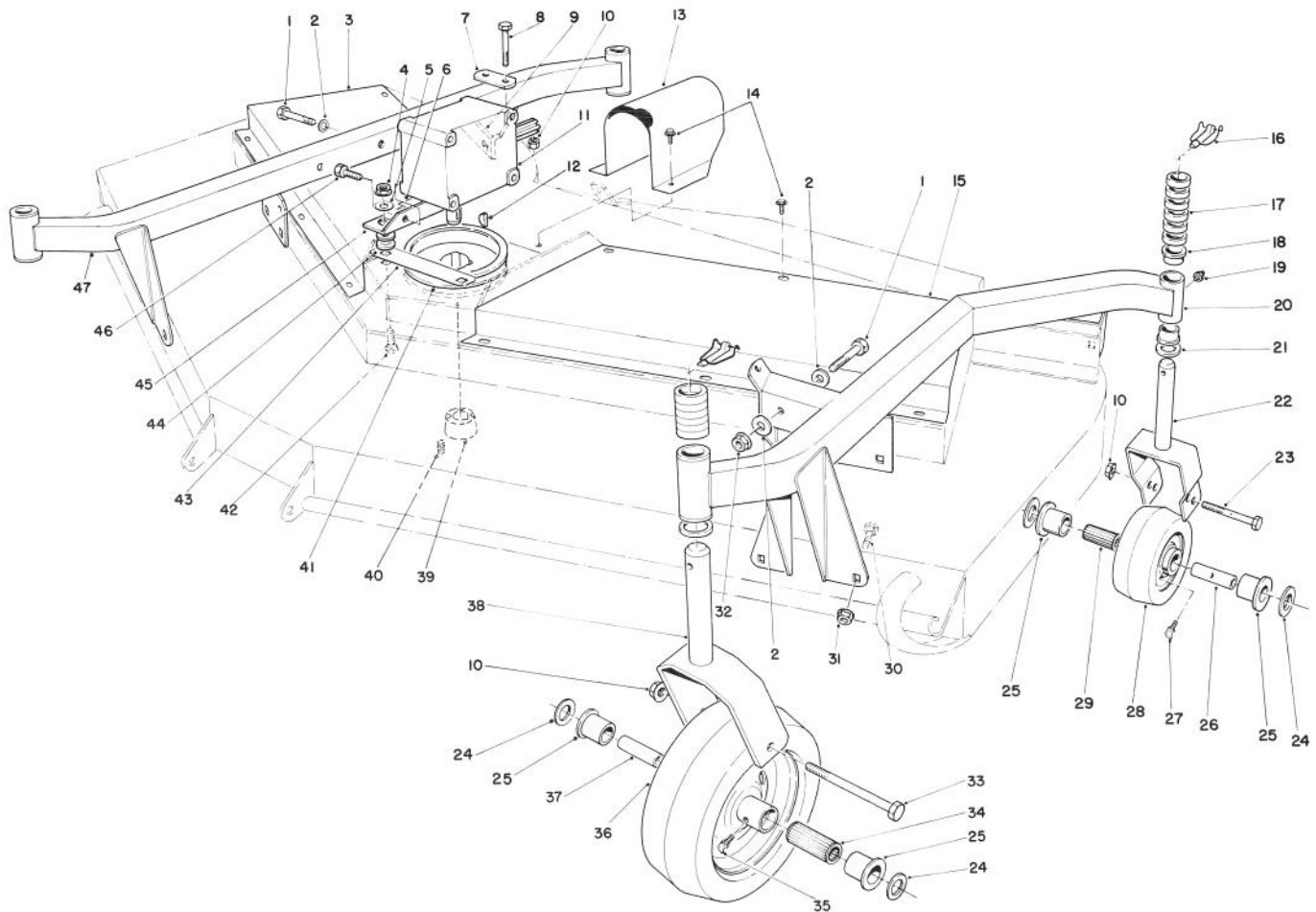
T-0443

## CUTTING UNIT MODEL NO. 30710

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3234-11	Screw - Hex. Hd. Flange	4	21	302-52	Grease Fitting	3
2	26-1840	Idler Pulley	3	22	26-1690	Spindle Outer	2
3	67-5360	Decal - Shield Missing	2	23	29-5530	Blade	3
4	26-1760	Pulley	2	24	26-1990	Washer Belleville	3
5	26-1860	Spacer - Idler Pulley	2	25	26-1820	Screw - Cap, Hex. Hd.	3
6	32128-21	Nut - Lock, Flange Hd.	28	26	3256-24	Washer - Flat	A/R
7	3231-22	Bolt - Carriage	2	27	3234-1	Screw - Hex. Hd. Flange	20
8	26-1870	Idler Mount L.H.	1	28	66-1340	Decal - Danger	2
9	3290-357	Nut - Flange Hd.	2	29	26-1880	Spacer - Idler Mount	1
10	26-1850	Stud Idler	1	30	3253-21	Washer - Lock	1
11	21-0890	V-Belt	3	31	323-12	Screw - Cap, Hex. Hd.	1
12	3296-49	Nut - Lock	3	32	3231-29	Bolt - Carriage	2
13	3-8514	Washer	3	33	26-1680	Spindle Center	1
14	26-9100	Pulley L.H.	1	34	31-0750	Roller	1
15	253-138	Oil Seal	9	35	32-9610	Roller Shaft	1
16	49-8320	Bearing & Spacer Assy. (Matched Set)	3	36	3272-11	Cotter Pin	2
17	38-9200	Cutter Deck	1	37	57-0280	Decal - 72"	1
18	43-8480	Decal - Danger	2	38	26-1790	Spacer R.H. Spindle	1
19	68-7280	Decal - Blade Bolt Torque		*	23-2410	Blade High Lift (Optional)	3
20	60-9700	Spindle Housing	3				

\*Not Illustrated





T-0444

## CUTTING UNIT MODEL NO. 30710 (Continued)

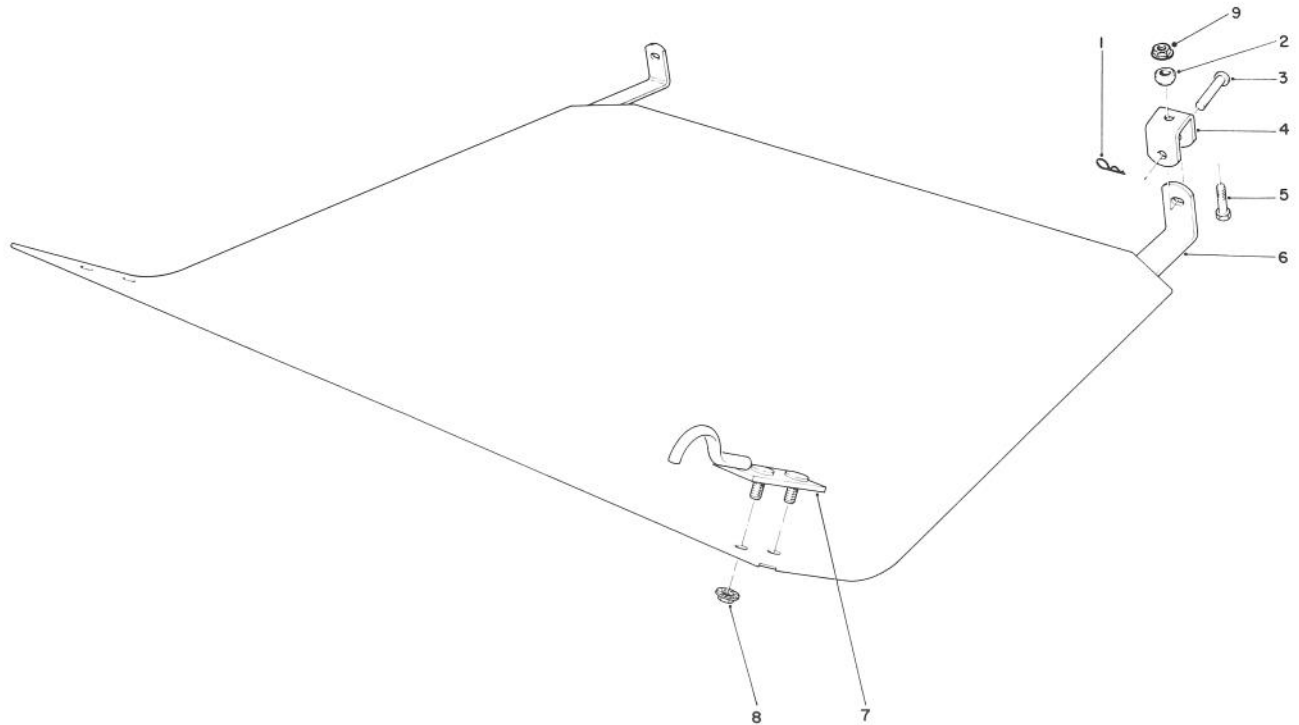
Ref. No.	Part No.	Description	No. Used
1	324-12	Screw - Cap, Hex Hd.	4
2	66-6480	Washer - Flat	4
3	26-1890	Cover R.H.-Deck	1
4	32128-21	Nut - Lock, Flange	4
5	63-8410	Washer	4
6	70-2560	Decal - Lube	1
7	39-3330	Bar - Clamp Castor Arm	1
8	325-14	Screw - Cap, Hex Hd.	2
9	39-3340	Bracket - Castor Clamp	1
10	32128-23	Nut - Lock, Flange	6
11	68-6810	Gear Box Assembly	1
12	3257-5	Key - Woodruff	1
13	63-1970	Shroud - Universal	1
14	32104-82	Screw - Cap, Self Tapping	14
15	26-1900	Cover L.H.-Deck	1
16	3290-384	Pin - Lynch Safety Type	4
17	63-0070	Spacer 1/2"	24
18	28-9290	Bushing - Special	8
19	302-5	Fitting - Grease	4
20	38-9420	Arm - Castor L.H. (Inc. Ref. #18)	1
21	3-6781	Washer	4
22	75-9680	Fork - Castor Rear	2
23	325-18	Screw - Cap, Hex Hd.	2
24	3256-6	Washer	8
25	62-5580	Bushing	8
26	63-1770	Spanner - Rear	2

Ref. No.	Part No.	Description	No. Used
27	302-11	Fitting - Grease	4
28	63-8400	Wheel - Castor Rear (Incl. Ref. #25, 27 & 29)	2
29	63-8580	Bearing - Roller	2
30	3233-2	Bolt - Carriage	12
31	32128-49	Nut - Flange	12
32	32128-42	Nut - Flange	4
33	325-22	Screw - Cap, Hex Hd.	2
34	62-5570	Bearing - Roller	2
35	302-40	Fitting - Grease	2
36	62-4330	Wheel - Castor Front (Incl. Ref. #25, 35 & 36)	2
37	62-4340	Spanner - Front	2
38	26-1530	Fork - Castor	2
39	23-1640	Bushing - Taper	1
40	3247-4	Screw - Set	2
41	26-1400	Pulley - Deck	1
42	3231-26	Bolt - Carriage	4
43	68-9890	Cover - Gear Box Front	1
44	63-9750	Mount - Isolation	4
45	68-8560	Bracket - Gearbox	2
46	323-4	Screw - Cap, Hex. Hd.	4
47	38-9370	Arm - Castor R.H. (Incl. Ref. #18)	1
*†	54-8810	Pneumatic Tire & Wheel Assembly (Optional)	1

\*Not Illustrated

†See page 49 for pneumatic wheel & tire assembly





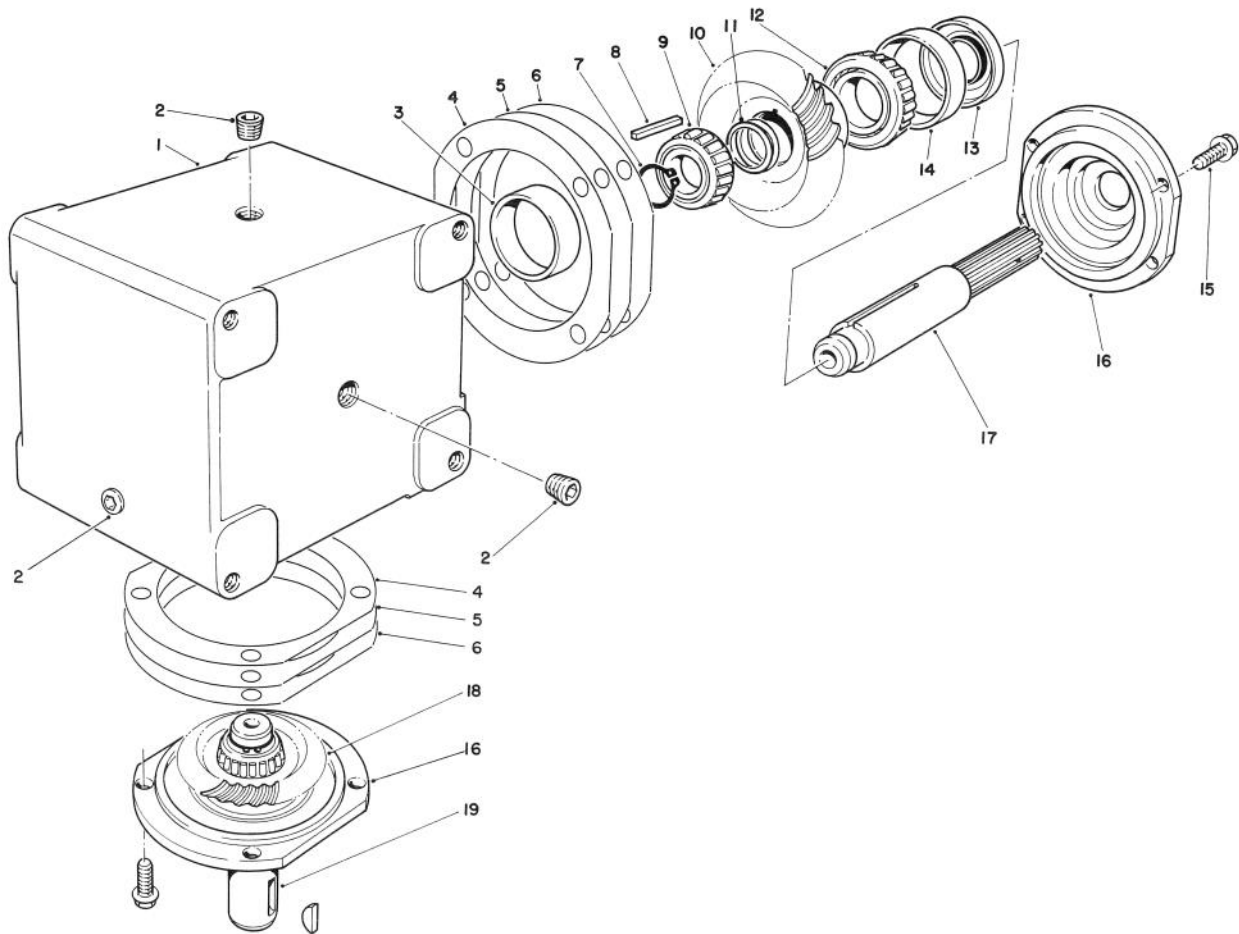
T-0445

## CUTTING UNIT MODEL NO. 30710 (Continued)

Ref. No.	Part No.	Description	No. Used
1	3290-322	Hair Pin Cotter	2
†2	46-1600	Spacer	2
3	283-23	Clevis Pin	2
4	39-1470	Hanger - Belly Shield	2
5	323-7	Screw - Cap, Hex. Hd.	2

Ref. No.	Part No.	Description	No. Used
6	39-1410	Belly Shield	1
7	39-1440	Belly Shield Hook	2
8	32128-20	Nut - Flange Hd.	4
9	32128-21	Nut - Flange Hd.	2

†Use with diesel unit only

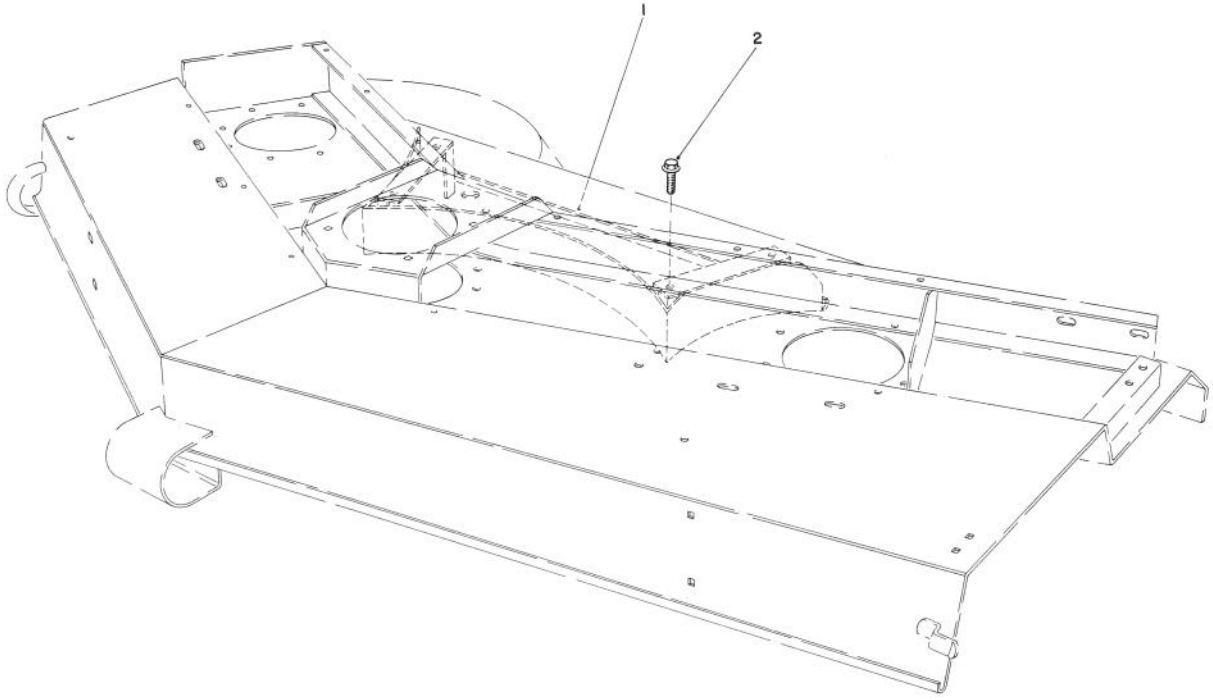


T-0977

## GEAR BOX ASSEMBLY NO. 68-6810

Ref. No.	Part No.	Description	No. Used
1	68-7030	Housing	1
2	62-3490	Plug - Pipe (Solid)	4
3	62-3360	Cup - Bearing	2
4	62-3420	Gasket (.015)	A/R
5	62-3430	Gasket (.005)	A/R
6	62-3440	Gasket (.003)	A/R
7	68-7070	Ring - Retaining	2
8	62-3380	Key	2
9	62-3370	Cone - Bearing	2
10	68-7080	Gear	1

Ref. No.	Part No.	Description	No. Used
11	72-9370	Shim (.020)	4
12	62-3330	Cone - Gear	1
13	62-3400	Seal	2
14	62-3340	Cup - Bearing	2
15	62-3310	Screw - Cap	8
16	62-3410	Cap	2
17	68-7040	Shaft	1
18	68-7060	Gear	1
19	68-7050	Shaft	1



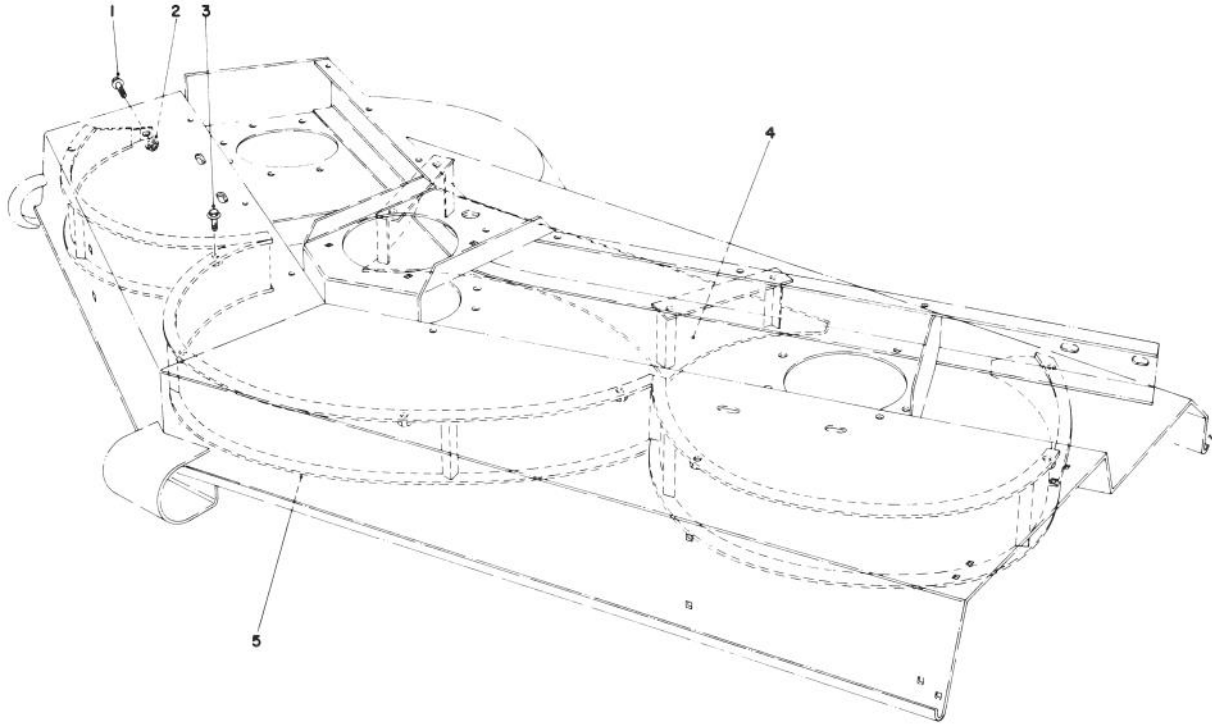
T-0446

## REAR BAFFLE KIT NO. 51-1460 (Optional) (For Cutting Unit Model No. 30721)

Ref. No.	Part No.	Description	No. Used
1		Rear Baffle	1

Ref. No.	Part No.	Description	No. Used
2	3234-1	Screw - Lock, Hex. Flange	4

Note: Will not fit with Cutting Unit Model No. 30710.



T-0447

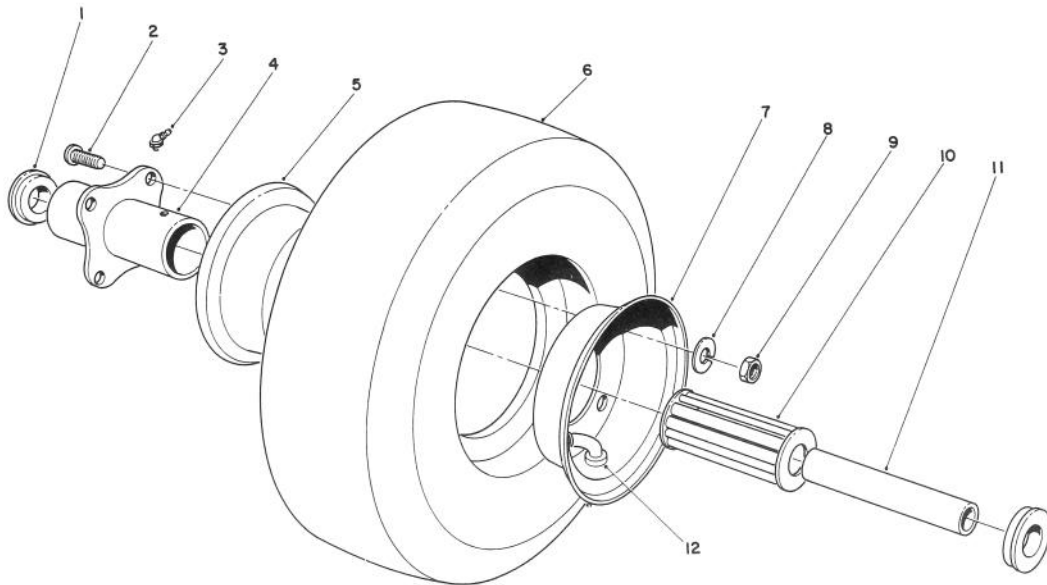
**MULCHER KIT MODEL NO. 30732 (Optional)**  
**(For Cutting Unit Model No. 30721)**  
**MULCHER KIT MODEL NO. 30733 (Optional)**  
**(For Cutting Unit Model No. 30722)**

Ref. No.	Part No.	Description	No. Used
1	3234-11	Screw - Hex. Hd. Flange	1
2	32128-21	Nut - Lock, Flange Hd.	13
3	3234-1	Screw - Hex. Hd. Flange	12

Ref. No.	Part No.	Description	No. Used
4	23-4190	Bottom Rear Shield (Model 30732 only)	1
*	68-6740	Shield - Rear Bottom (Model 30733 only)	
5	27-5430	Mulcher Screen	1

\*Not Illustrated

Note: Will not fit with Cutting Unit Model No. 30710.

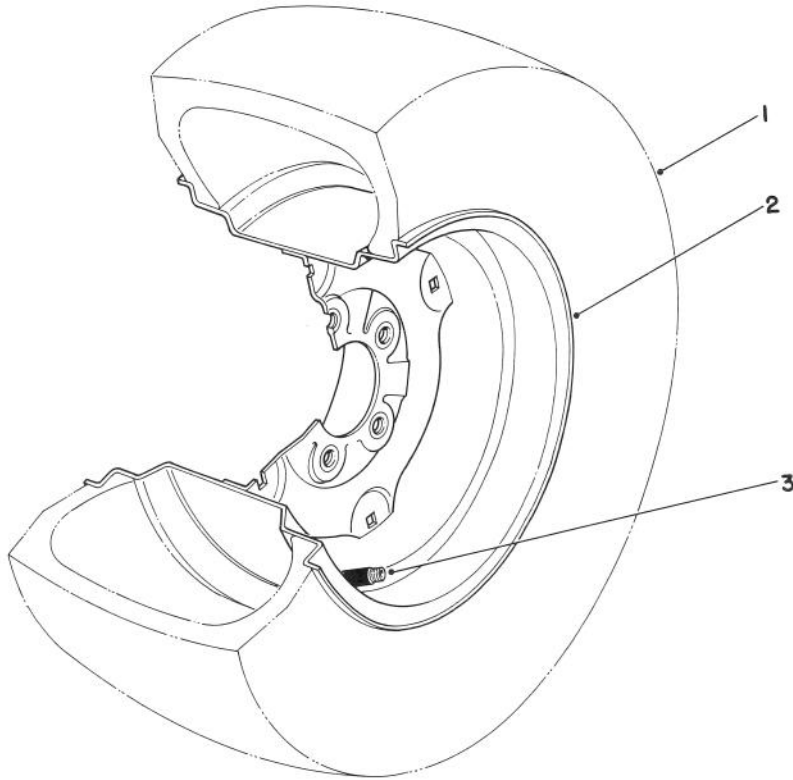


T-0448

## CUTTING UNIT PNEUMATIC TIRE & WHEEL ASSEMBLY NO. 12-1509 (Optional)

Ref. No.	Part No.	Description	No. Used
1	54-8930	Retainer	2
2	54-8890	Bolt - Wheel	4
3	302-10	Fitting - Grease	1
4	54-8920	Hub - Centered	1
5	54-8910	Wheel Half - Female	1
6	54-8960	Tire	1

Ref. No.	Part No.	Description	No. Used
7	54-8900	Wheel Half - Male	1
8	3253A	Washer - Lock	4
9	3217-6	Nut - Hex	4
10	54-8940	Bearing - Roller Open Cage	1
11	55-7080	Bushing - Spanner	1
12	54-8950	Tube & Valve	1



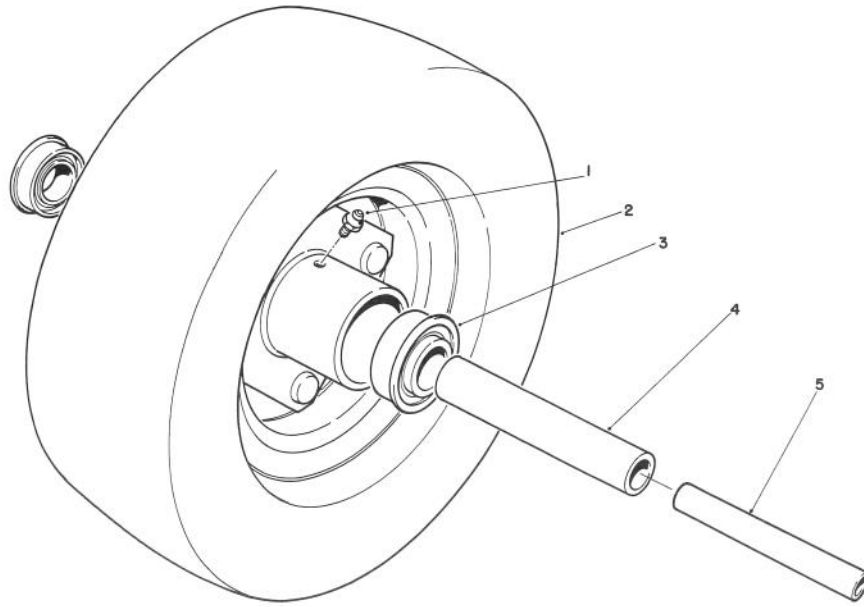
T-0449

## TIRE & WHEEL ASSEMBLY 23 x 10.5 x 12 NO. 62-7020 (Optional)

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

Note: Will not fit with Cutting Unit Model No. 30710.



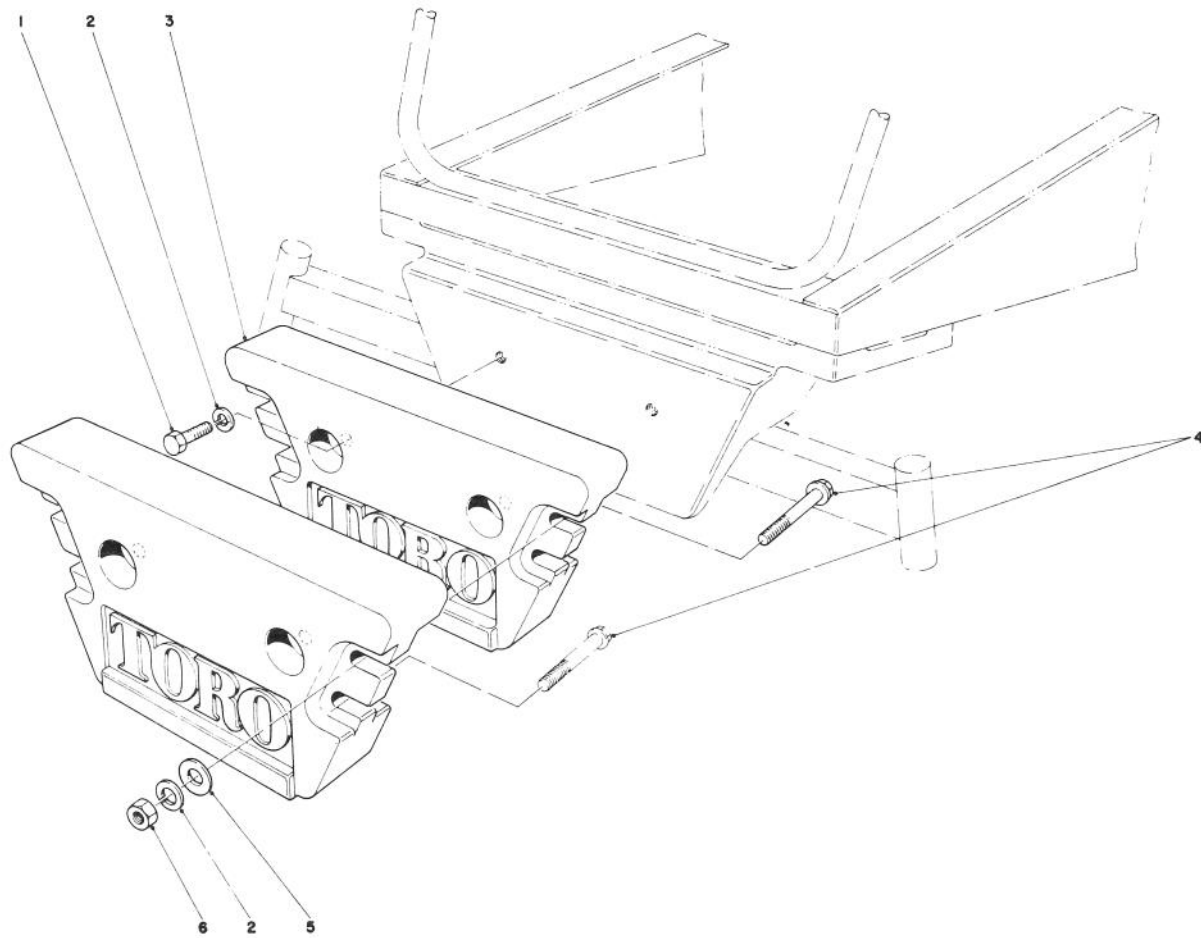
T-1177

## 10" SEGMENTED FRONT CASTER WHEEL (Optional)

Ref. No.	Part No.	Description	No. Used
1	302-5	Fitting - Grease	1
2	76-1880	10" Segmented Tire Assy. (Incl. Ref. #1, 3 & 4)	1
3	251-321	Bearing - Ball	2

Ref. No.	Part No.	Description	No. Used
4	251-332	Spacer - Inner	1
5	80-0040	Spacer	1



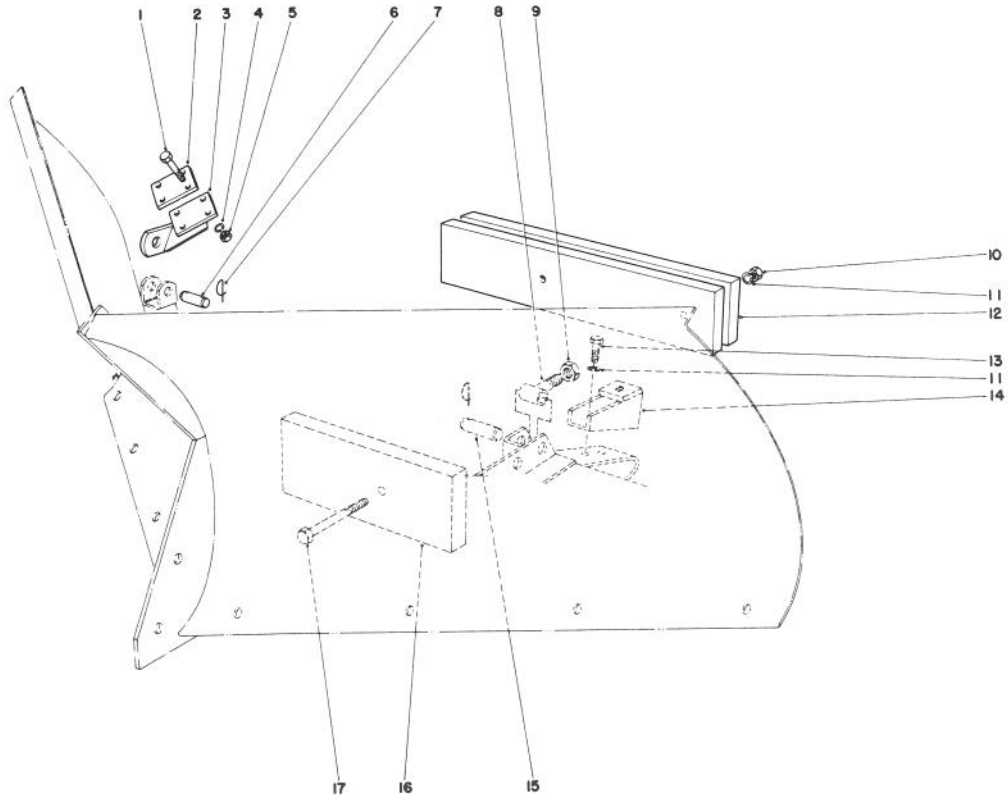


T-0427

## REAR WEIGHT KIT NO. 24-5780 (Optional)

Ref. No.	Part No.	Description	No. Used
1	325-6	Screw - Cap, Hex. Hd.	2
2	3253-7	Washer - Lock	6
3	24-5790	Rear Weight	2

Ref. No.	Part No.	Description	No. Used
4	325-14	Screw - Cap, Hex. Hd.	4
5	3256-26	Washer - Lock	8
6	3217-9	Nut	4



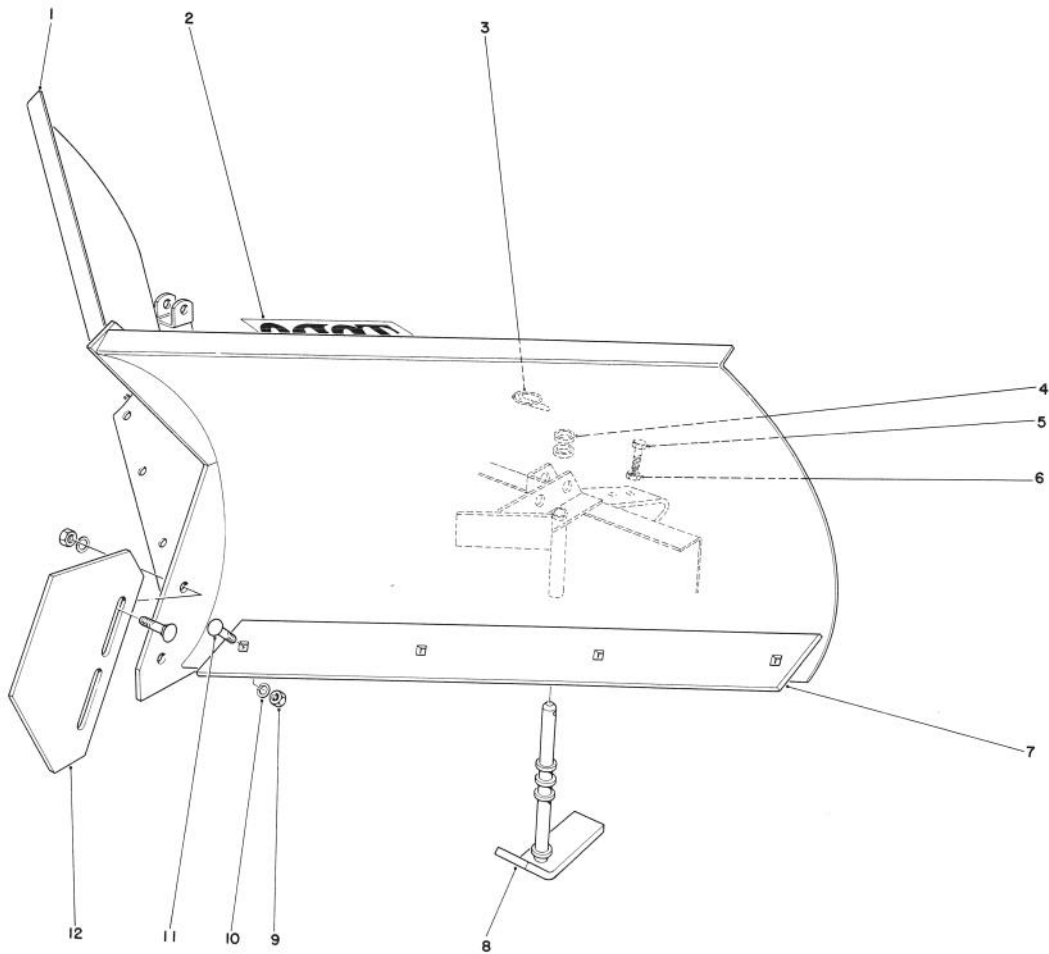
T-0451

## V-PLOW INSTALLATION KIT MODEL NO. 30757 (Optional)

Ref. No.	Part No.	Description	No. Used
1	323-14	Screw - Cap, Hex. Hd.	4
2	24-2690	Clamp Plate	1
3	24-2680	Push Arm Bracket	1
4	3253-21	Washer - Lock	4
5	3217-7	Nut	4
6	5-3505	Pin	1
7	5-3126	Spring Pin	4
8	23-9930	Push Pin	1
9	21-3000	Nut - Jam	1

Ref. No.	Part No.	Description	No. Used
10	3217-9	Nut	2
11	3253-7	Washer - Lock	4
12	24-2660	Outside Weight	2
13	325-4	Screw - Cap, Hex. Hd.	2
14	24-2630	Stop	1
15	25-1350	Pin	1
16	24-2670	Inside Weight	2
17	325-22	Screw - Cap, Hex. Hd.	2
*	11-0390	Chains (1 Pair)	1

\*Not Illustrated

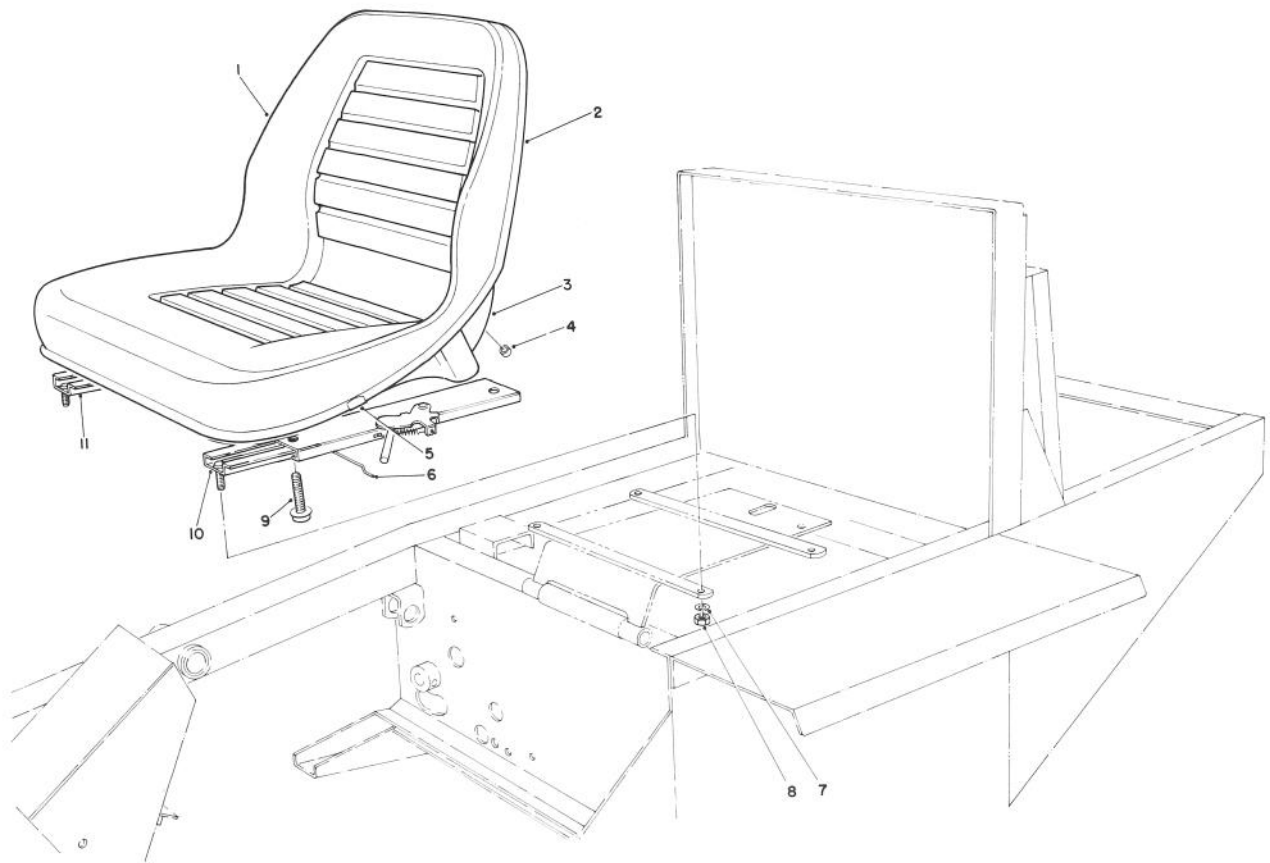


T-0452

## V-PLOW MODEL NO. 30750 (Optional)

Ref. No.	Part No.	Description	No. Used
1	23-9960	V-Plow	1
2	66-6140	Decal	1
3	3290-243	Lynch Pin	2
4	20-4370	Spacer Tubes	10
5	325-6	Screw - Cap, Hex. Hd.	1
6	3218-5	Nut - Jam	1

Ref. No.	Part No.	Description	No. Used
7	24-5570	Scraper Blade	2
8	24-5540	Skid	2
9	3217-9	Nut	10
10	3253-7	Washer - Lock	10
11	3233-2	Bolt - Carriage	10
12	24-5530	Nose Skid	1



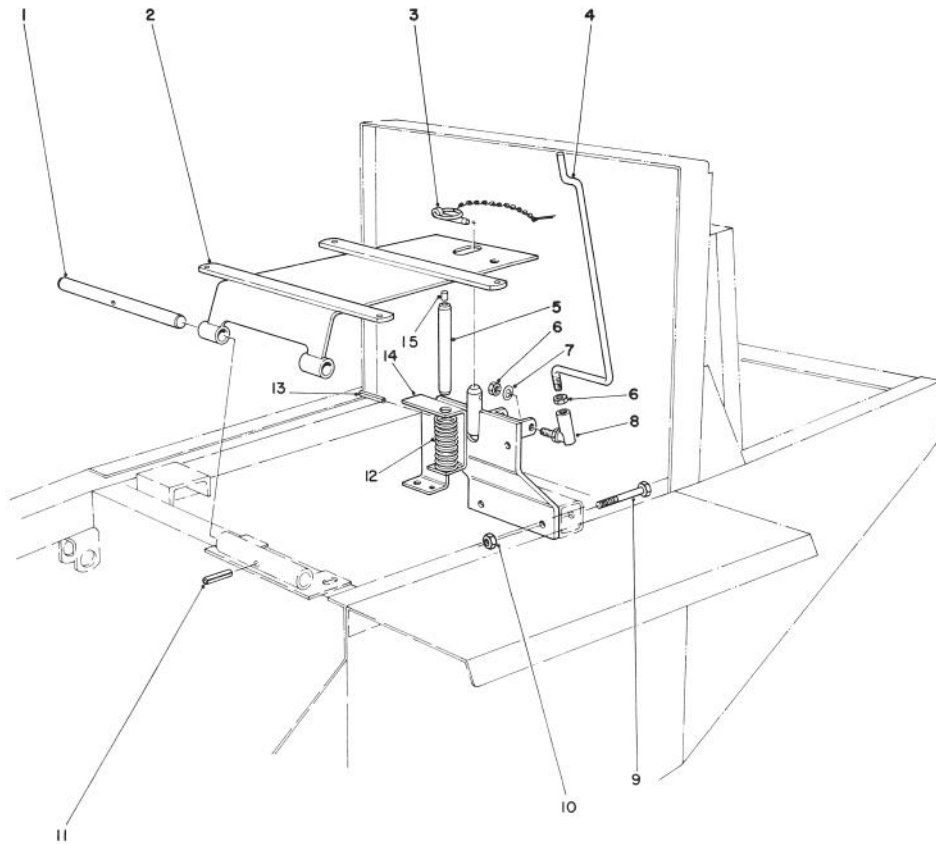
T-0450

## STANDARD SEAT KIT MODEL NO. 30770

Ref. No.	Part No.	Description	No. Used
1		Cushion	1
2		Trim	1
3		Base	1
4		Grommet	1
5		Clip	1
6	52-4890	Rod - Connecting	1
7	3253-4	Washer - Lock	4

Ref. No.	Part No.	Description	No. Used
8	3217-6	Nut	4
9	3234-5	Screw - Hex. Hd. Flange	4
10	51-0790	Adjuster - L.H.	1
11	52-4880	Adjuster R.H.	1
*	66-5400	Seat Assembly (Incl. Ref. #1-5)	1

\*Not Illustrated

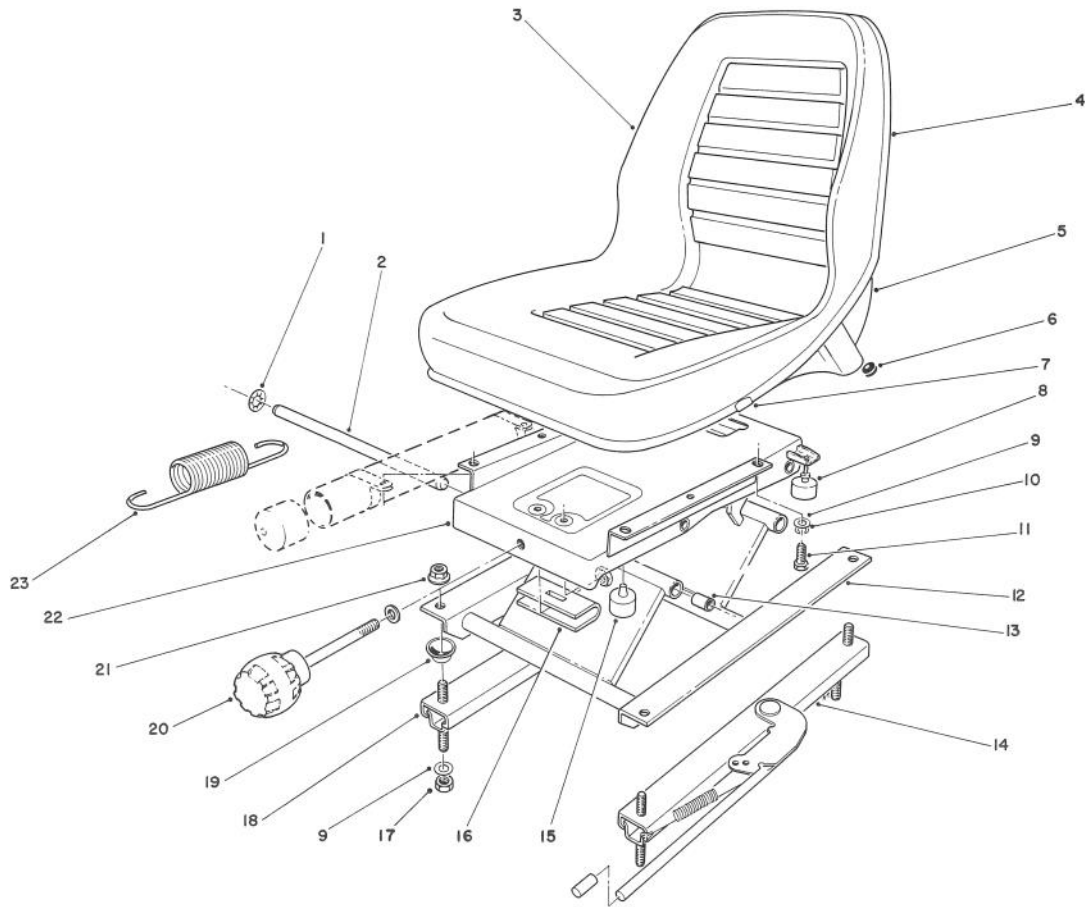


T-0453

## STANDARD SEAT KIT MODEL NO. 30770 (Continued)

Ref. No.	Part No.	Description	No. Used
1	27-4720	Shaft	1
2	36-7550	Seat Support	1
3	283-76	Lynch Pin	1
4	37-9580	Seat Prop	1
5	27-9870	Pin - Seat Switch	1
6	3220-2	Nut - Jam	2
7	3253-24	Washer - Lock	1
8	37-9570	Ball Joint	1

Ref. No.	Part No.	Description	No. Used
9	323-14	Screw - Cap, Hex. Hd.	2
10	32128-21	Nut	2
11	32121-4	Spring Pin	1
12	28-0570	Spring - Compression	1
13	32121-6	Spring Pin	1
14	71-4490	Seat Support Bracket	1
15	28-6180	Pin - Plastic	1

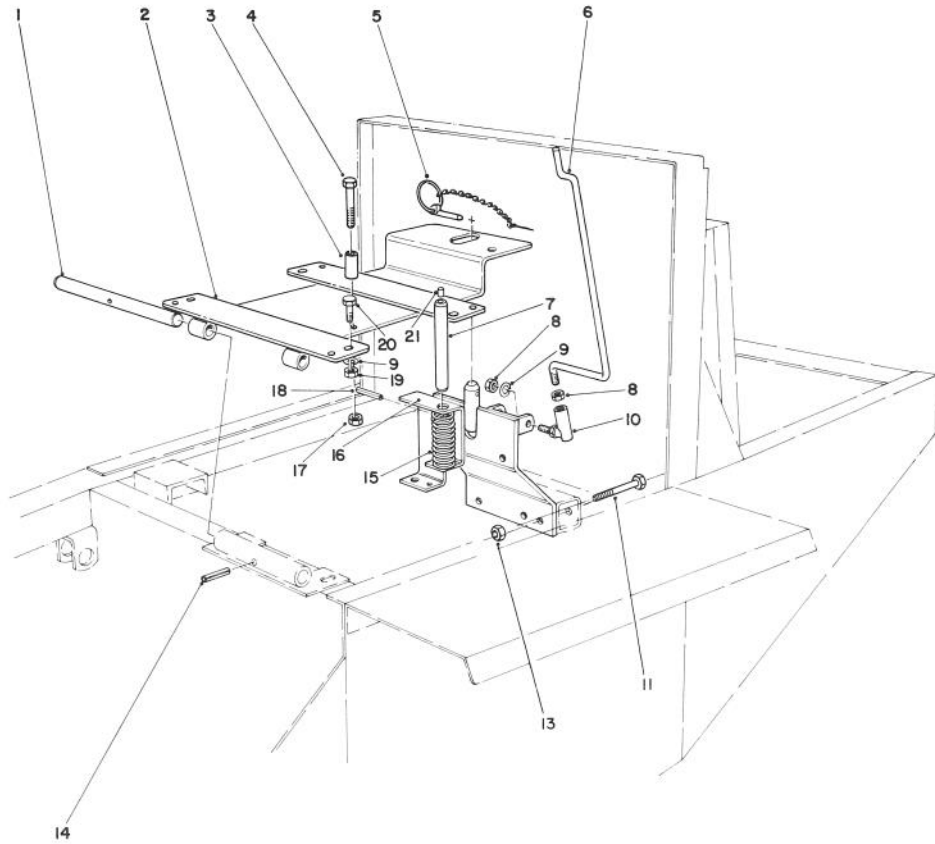


T-0454

## DELUXE SEAT KIT MODEL NO. 30772

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	66-8560	Nut - Push	4	14	66-8510	Adjuster w/Handle	1
2	76-1910	Shaft - Pivot	2	15	66-8520	Bumper - Stop	2
3		Cushion - Seat	1	16	66-8540	Hanger Spring	1
4		Trim - Seat	1	17	3296-29	Nut - Lock	4
5		Base - Seat	1	18	66-8530	Adjuster	1
6		Grommet	1	19	66-9290	Spacer - Suspension	4
7		Cup	1	20	76-1930	Knob Adjustment	1
8	76-2940	Bumper	2	21	32128-25	Nut - Lock, Flange Hd.	4
9	3256-2	Washer - Flat	8	22	66-8600	Frame Upper	1
10	3253-4	Washer - Lock	4	23	76-1940	Spring - Extension	2
11	322-3	Screw - Cap, Hex. Hd.	4	*	66-5400	Seat Assembly (Incl. Ref.#3-7)	1
12	66-8610	Frame - Lower	1				
13	76-1920	Bearing - Sleeve	4				

\*Not Illustrated



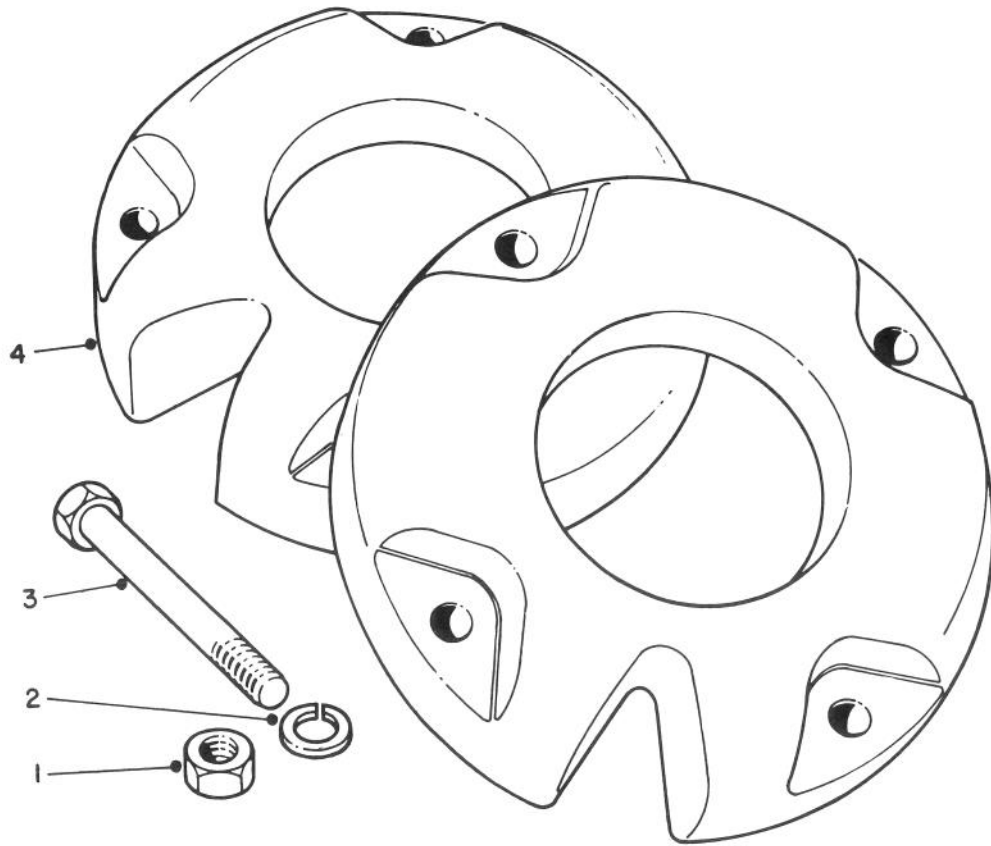
T-0212

## DELUXE SEAT ADAPTER KIT MODEL NO. 30791

Ref. No.	Part No.	Description	No. Used
1	27-4720	Shaft	1
2	67-9860	Support - Seat	1
3	67-9210	Spacer	1
4	322-10	Screw - Cap, Hex. Hd.	1
5	283-76	Lynch Pin	1
6	37-9580	Prop - Seat	1
7	27-9870	Pin - Seat Switch	1
8	3220-2	Nut - Jam	2
9	3253-24	Washer - Lock	5
10	37-9570	Ball Joint	1

Ref. No.	Part No.	Description	No. Used
11	323-14	Screw - Cap, Hex. Hd.	2
13	32128-21	Nut - Lock, Flange Hd.	2
14	32121-4	Pin - Spring	1
15	37-9590	Spring - Compression	1
16	71-4490	Bracket - Seat Support	1
17	32146-5	Nut - Lock	1
18	32121-6	Pin - Spring	1
19	3217-6	Nut	4
20	322-4	Screw - Cap, Hex. Hd.	4
21	28-6180	Pin - Plastic	1





T-0457

### WHEEL WEIGHTS NO. 11-0440 (Optional)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3218-5	Nut	8	3	321-4	Screw - Cap, Hex. Hd.	8
2	3253-7	Washer - Lock	8	4	7-2111	Wheel Weight	2

## PRODUCT CHANGES

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

## IDENTIFICATION AND ORDERING

### MODEL AND SERIAL NUMBERS

The Groundsmaster 345 has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 345, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer supply the following information:

1. Model and serial number of the Groundsmaster 345.
2. Part number description and the quantity of part(s) desired.

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

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# MAINTENANCE RECORD

Date								

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Date								

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