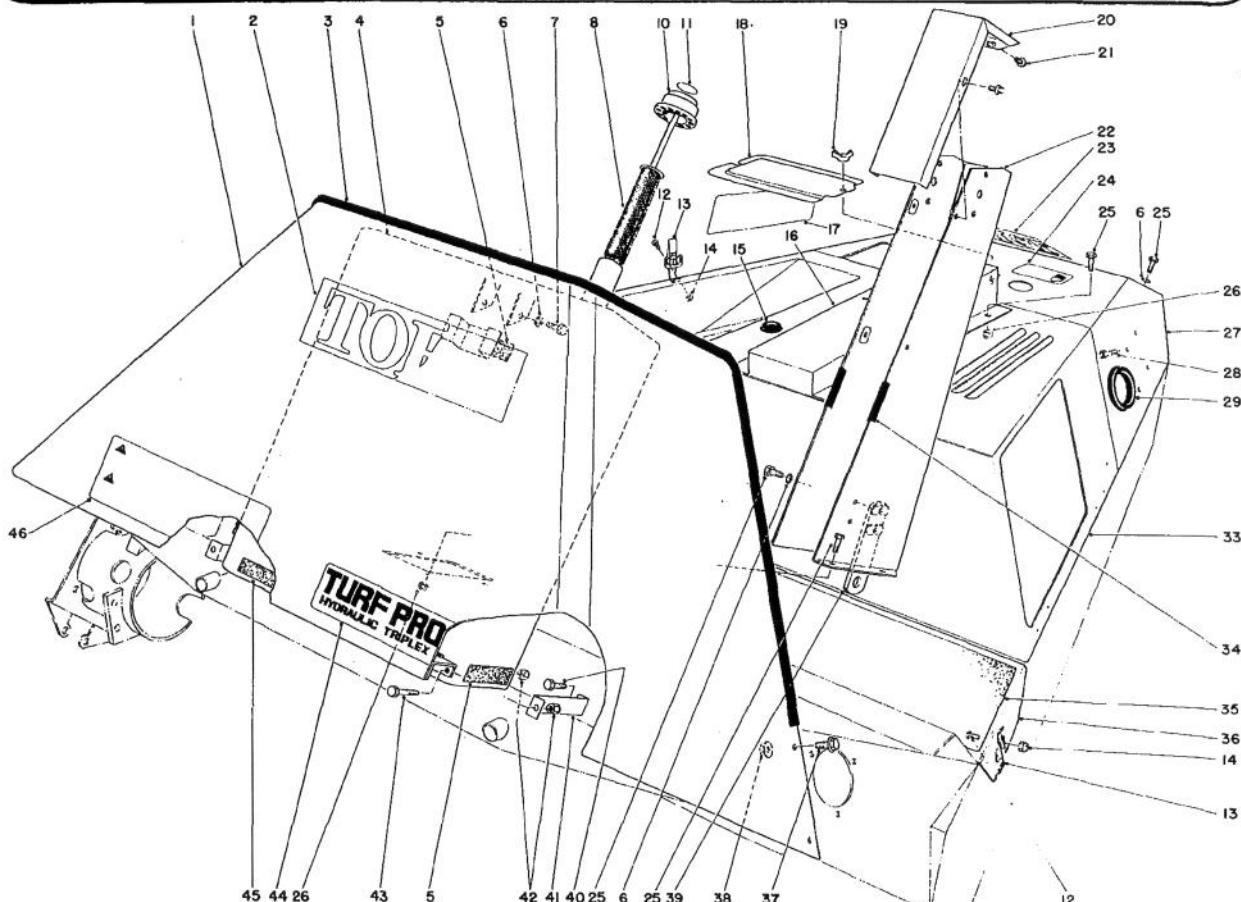
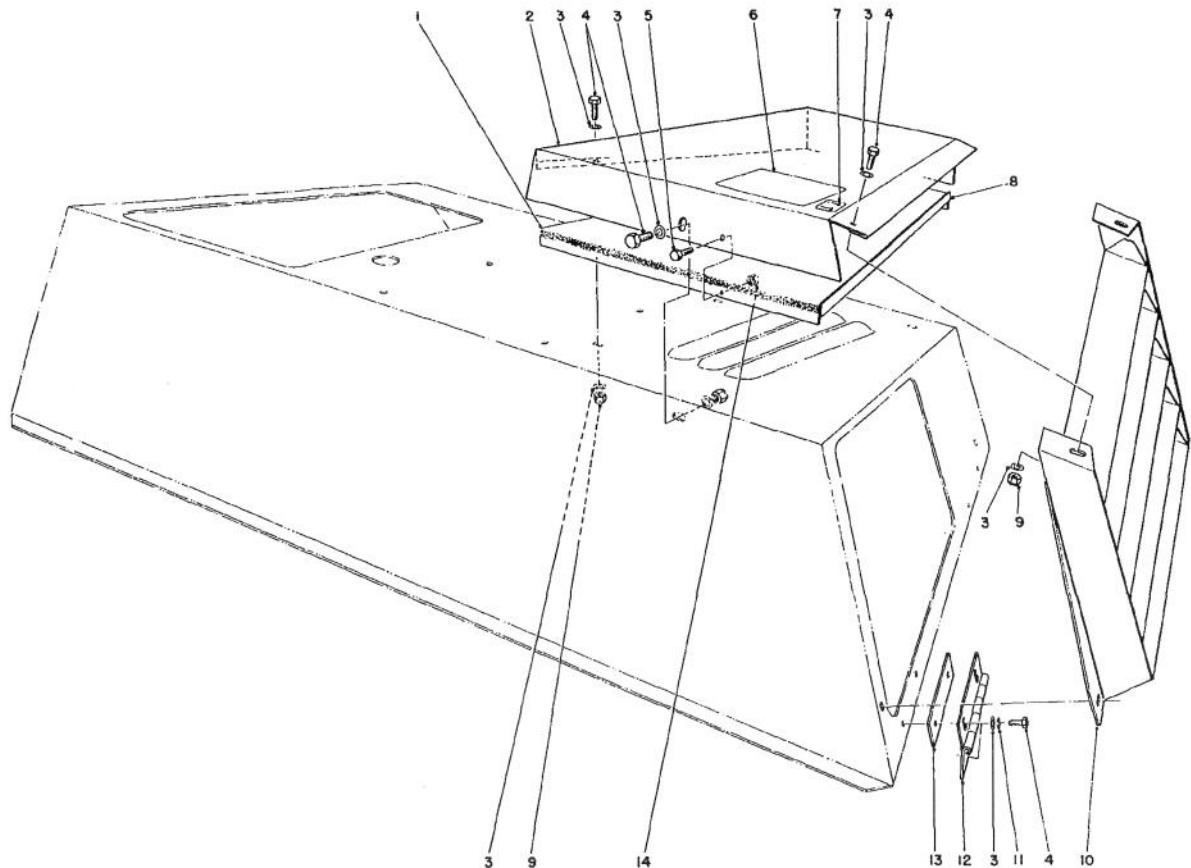


TOROMODEL NO. 03524 - 800001 & UP
MODEL NO. 03590 - 800001 & UP**PARTS
CATALOG****TURF PRO 84™****HYDRAULIC RESERVOIR AND FRONT SHROUD**

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------------|----------|
| 1 | 29-0500 | Front Shroud | 1 |
| 2 | 18-2180 | Decal | 1 |
| 3 | 29-0640 | Trim | 1 |
| 4 | 29-0580 | Hydraulic Reservoir | 1 |
| 5 | 29-0630 | Felt Strip | 3 |
| 6 | 3253-21 | Lockwasher | 6 |
| 7 | 323-34 | Capscrew | 2 |
| 8 | 29-0590 | Filler Screen | 1 |
| 10 | 36-4950 | Cap | 1 |
| 11 | 11-6350 | Decal - Oil | 1 |
| 12 | 32140-43 | Machine Screw | 6 |
| 13 | 249-21 | Latch | 3 |
| 14 | 3296-2 | Locknut | 6 |
| 15 | 237-103 | Grommet | 1 |
| 16 | 29-2270 | Seat Support | 1 |
| 17 | 29-8720 | Decal - Cowl | 1 |
| 18 | 24-9740 | Cover - Battery Access | 1 |
| 19 | 32103-2 | Wing Nut | 1 |
| 20 | 29-0780 | Cover Tower | 1 |
| 21 | 3234-4 | Hex Flange Screw | 3 |
| 22 | 29-0650 | Tower | 1 |
| 23 | 20-4690 | Decal | 1 |

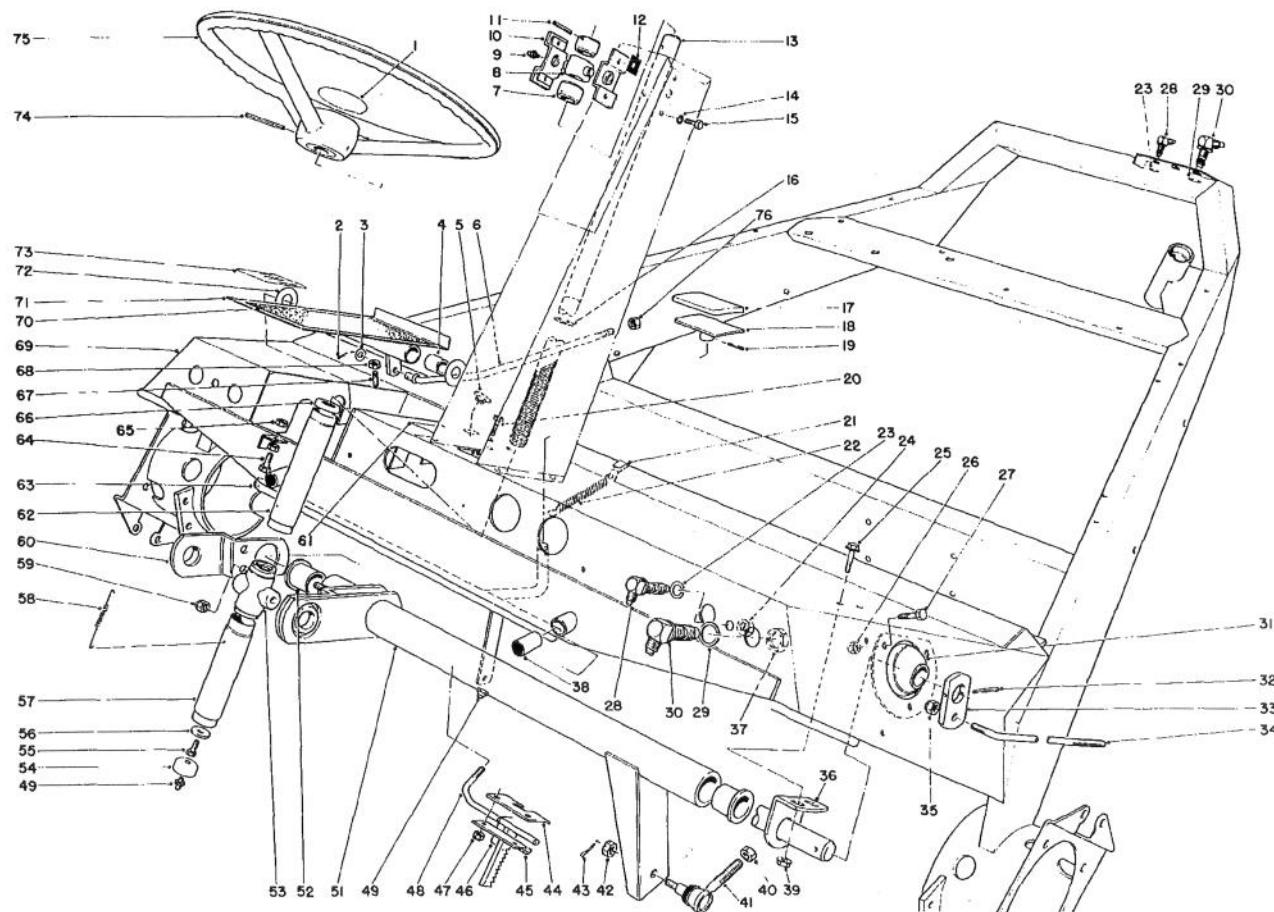
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------------|----------|
| 24 | 27-7310 | Decal Refueling | 1 |
| 25 | 323-4 | Capscrew | 14 |
| 26 | 3296-39 | Locknut | 10 |
| 27 | 29-2130 | Cover Rear | 1 |
| 28 | 322-1 | Capscrew | 4 |
| 29 | 237-102 | Grommet | 1 |
| 33 | 36-6220 | Cowl | 1 |
| 34 | 27-6630 | Trim Hood | 2 |
| 35 | 29-2380 | Pad Floor Plate | 1 |
| 36 | 29-2370 | Floor Plate | 1 |
| 37 | 3234-11 | Flange Screw | 4 |
| 38 | 32128-29 | Flange Locknut | 4 |
| 39 | 29-0830 | Strap | 1 |
| 40 | 321-3 | Capscrew | 2 |
| 41 | 29-0610 | Strap - Hydraulic Tank | 2 |
| 42 | 3296-42 | Locknut | 4 |
| 43 | 321-6 | Capscrew | 2 |
| 44 | 29-8710 | Decal Front Shroud | 1 |
| 45 | 29-0620 | Felt Strip | 2 |
| 46 | 2410-45 | Cap Plug | 1 |
| | 29-9060 | Decal Backlaping | 1 |



COVER TOP OUTLET AND DISCHARGE LOUVER

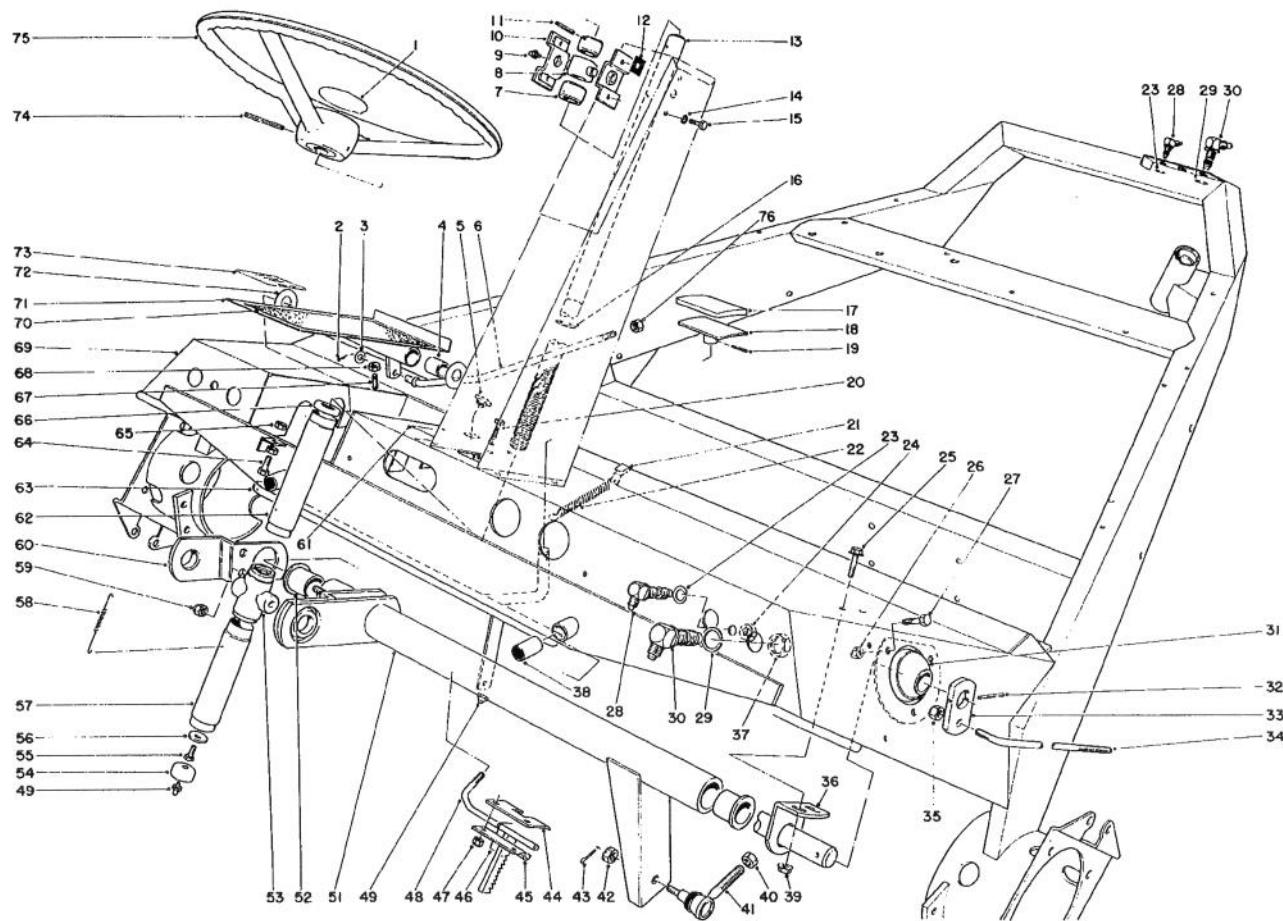
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------|----------|
| 1 | 36-6160 | Insulation – Outlet Duct | 1 |
| 2 | 36-6200 | Cover Top Outlet | 1 |
| 3 | 3256-24 | Flat Washer | 24 |
| 4 | 323-4 | Capscrew | 16 |
| 5 | 321-3 | Capscrew | 4 |
| 6 | 29-2410 | Decal – Caution | 1 |
| 7 | 28-1530 | Decal – Hot Surface | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------|----------|
| 8 | 36-6210 | Retainer – Insulation | 1 |
| 9 | 3296-39 | Locknut | 8 |
| 10 | 36-5980 | Discharge Louver | 1 |
| 11 | 3253-21 | Lockwasher | 8 |
| 12 | 36-5990 | Hinge Assembly | 2 |
| 13 | 36-6000 | Spacer Hinge | 4 |
| 14 | 3296-42 | Locknut | 4 |



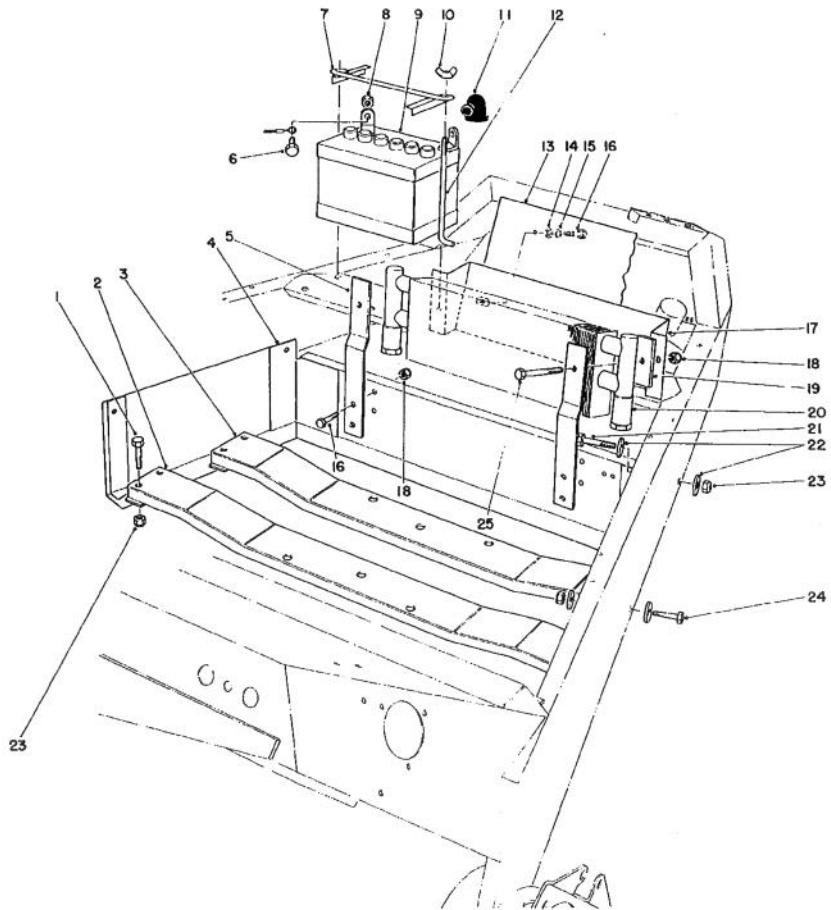
STEERING WHEEL AND TRANSFER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|-----------|------------------------|----------|----------|----------|---------------------------|----------|
| 1 | 24-2090 | Cap - Steering Wheel | 1 | 24 | 3220-4 | Jam Nut | 3 |
| 2 | 3272-11 | Cotter Pin | 1 | 25 | 3234-11 | Flange Screw | 2 |
| 3 | 3256-26 | Flat Washer | 1 | 26 | 3296-29 | Locknut | 6 |
| 4 | 256-202 | Bushing | 2 | 27 | 322-3 | Capscrew | 6 |
| 5 | 32141-111 | Adjusting Nut | 1 | 28 | 353-618 | 45° Bulk Head Fitting | 3 |
| 6 | 29-1360 | Link Pedal | 1 | 29 | 3253-16 | Lockwasher | 6 |
| 7 | 28-3940 | Collar Steering Shaft | 2 | 30 | 353-619 | 45° Bulk Head Fitting | 6 |
| 8 | 37-1100 | Bearing Steering Shaft | 1 | 31 | 29-0940 | Center Flange Bearing | 2 |
| 9 | 302-16 | Grease Fitting | 1 | 32 | 32121-35 | Roll Pin | 2 |
| 10 | 29-0750 | Bearing Support | 2 | 33 | 29-0960 | Lever Brake | 2 |
| 11 | 32121-31 | Roll Pin | 2 | 34 | 29-0970 | Rod Brake | 2 |
| 12 | 29-0770 | Shim Steering | A/R | 35 | 3296-4 | Locknut | 2 |
| 13 | 29-0670 | Steering Shaft | 1 | 36 | 29-0950 | Bracket - Brake Shaft | 1 |
| 14 | 3253-21 | Lockwasher | 4 | 37 | 3220-7 | Jam Nut | 6 |
| 15 | 323-34 | Capscrew | 4 | 38 | 19-9750 | Bushing Assembly | 2 |
| 16 | 32151-48 | E-Ring | 1 | 39 | 32128-29 | Flange Locknut | 2 |
| 17 | 7-3900 | Foot Pad | 1 | 40 | 3220-5 | Nut | 1 |
| 18 | 27-2210 | Foot Pedal Brake | 1 | 41 | 21-0140 | Socket Assembly R.H. | 1 |
| 19 | 32121-45 | Roll Pin | 1 | 42 | 32136-4 | Slotted Nut | 1 |
| 20 | 321-4 | Capscrew | 2 | 43 | 3272-6 | Cotter Pin | 1 |
| 21 | 29-0980 | Clip Spring | 1 | 44 | 10-7880 | Parking Brake Hinge Upper | 1 |
| 22 | 5-1706 | Spring | 1 | 45 | 10-7890 | Parking Brake Hinge Lower | 1 |
| 23 | 3253-6 | Lockwasher | 3 | 46 | 10-8140 | Spring | 1 |



STEERING WHEEL AND TRANSFER ASSEMBLY (Continued)

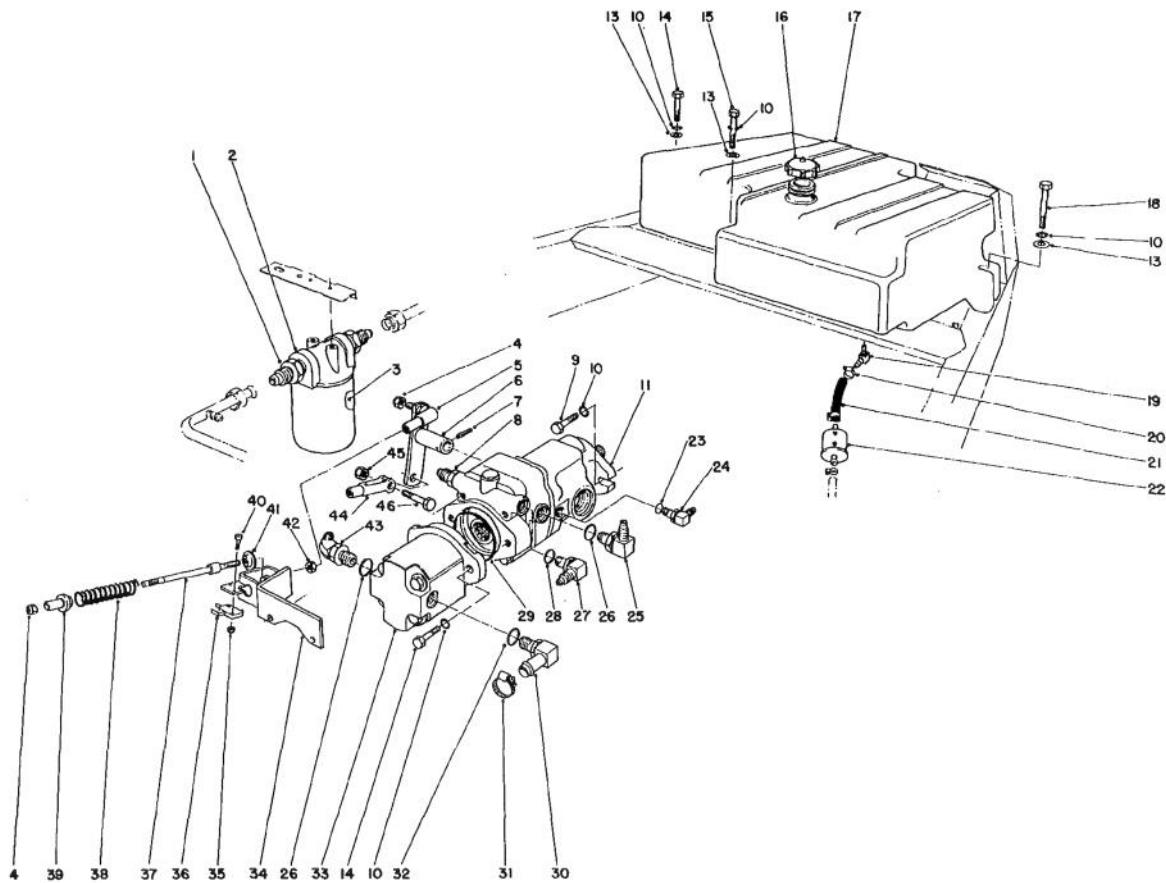
| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------------|----------|----------|----------|------------------------|----------|
| 47 | 3296-42 | Locknut | 2 | 62 | 29-0710 | Sleeve - Upper | 1 |
| 48 | 10-7850 | Parking Brake Latch | 1 | 63 | 29-0790 | Brake Shaft | 1 |
| 49 | 302-5 | Grease Fitting | 2 | 64 | 322-6 | Capscrew | 1 |
| 51 | 29-0890 | Transfer Tube (Incl. Ref. #52) | 1 | 65 | 3217-6 | Nut | 2 |
| 52 | 256-148 | Flange Bushing | 2 | 66 | 253-84 | Seal | 1 |
| 53 | 37-0500 | Follower - Steering | 1 | 67 | 29-0990 | Set Screw | 1 |
| 54 | 29-0720 | Plug | 1 | 68 | 3217-7 | Nut | 1 |
| 55 | 321-2 | Capscrew | 1 | 69 | 29-0110 | Frame (Incl. Ref. #38) | 1 |
| 56 | 29-0730 | Washer | 1 | 70 | 29-1000 | Pad Pedal | 1 |
| 57 | 29-0700 | Sleeve Lower | 1 | 71 | 29-0850 | Pedal (Incl. Ref. #4) | 1 |
| 58 | 29-0740 | Spring | 2 | 72 | 29-0930 | Washer | 2 |
| 59 | 3296-39 | Locknut | 2 | 73 | 29-2390 | Decal - Traction Pedal | 1 |
| 60 | 29-0910 | Arm Steering Follower | 1 | 74 | 32121-10 | Roll Pin | 1 |
| 61 | 27-2830 | Decal - Parking Brake | 1 | 75 | 25-6260 | Steering Wheel | 1 |
| | | | | 76 | 3220-5 | Jam Nut | 1 |



BATTERY AND OIL COOLER ASSEMBLY

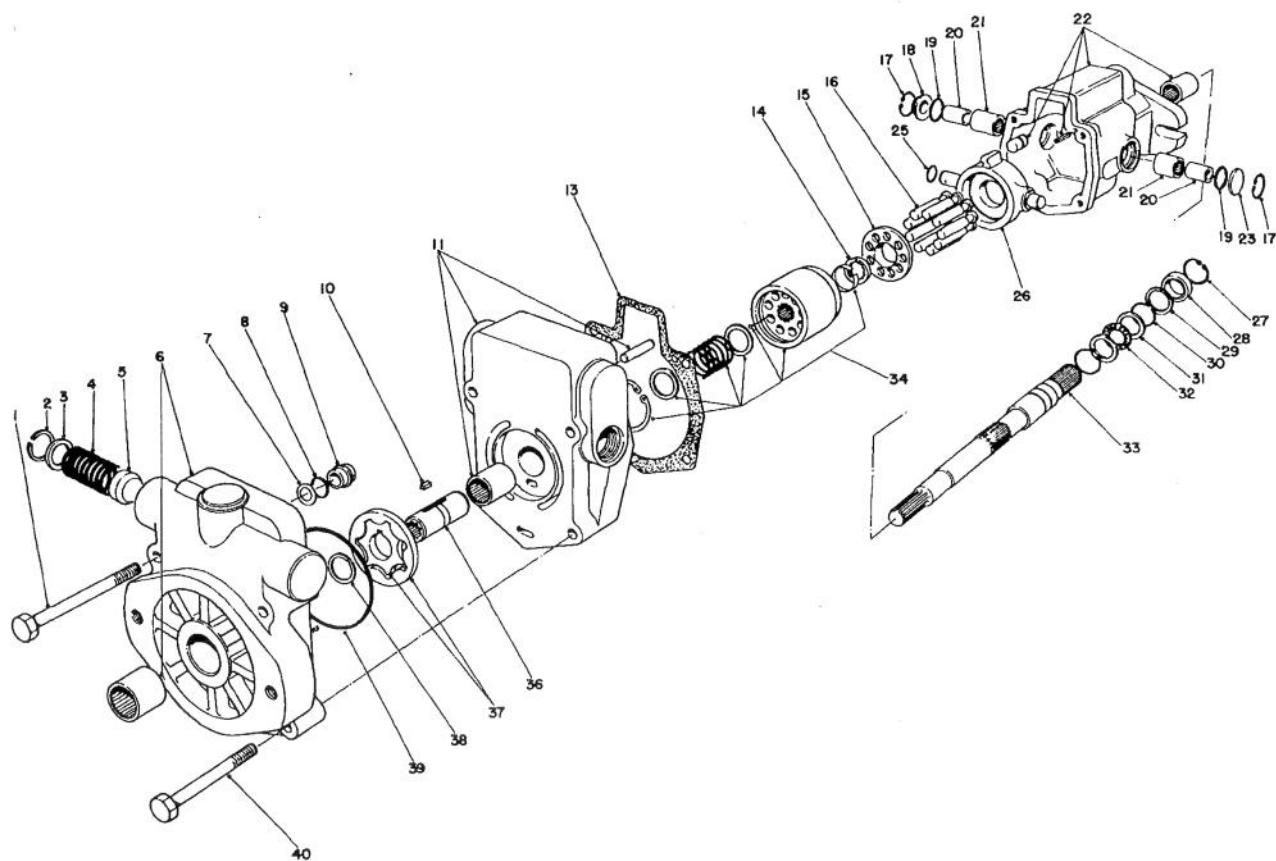
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|----------------------|----------|
| 1 | 323-8 | Capscrew | 8 |
| 2 | 29-4240 | Front Motor Mount | 1 |
| 3 | 29-4270 | Rear Motor Mount | 1 |
| 4 | 29-3230 | Motor Support Pan | 1 |
| 5 | 29-1990 | Bracket Cooler | 2 |
| 6 | 321-3 | Capscrew | 2 |
| 7 | 36-4930 | Battery Clamp | 1 |
| 8 | 3296-42 | Locknut | 2 |
| 9 | 29-9870 | Battery | 1 |
| 10 | 32103-12 | Wing Nut | 2 |
| 11 | 218-331 | Battery Boot | 1 |
| 12 | 7-3328 | Battery Bolt | 2 |
| 13 | 36-5550 | Plate - Cooler Guard | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|----------------|----------|
| 14 | 3256-23 | Flat Washer | 2 |
| 15 | 3253-4 | Lockwasher | 2 |
| 16 | 322-3 | Capscrew | 6 |
| 17 | 36-5540 | Cooler Guard | 1 |
| 18 | 3296-29 | Locknut | 6 |
| 19 | 29-1980 | Strap - Cooler | 2 |
| 20 | 22-7320 | Oil Cooler | 1 |
| 21 | 323-20 | Capscrew | 2 |
| 22 | 29-8970 | Washer | 8 |
| 23 | 3296-39 | Locknut | 12 |
| 24 | 323-14 | Capscrew | 2 |
| 25 | 322-9 | Capscrew | 2 |



PISTON PUMP AND GAS TANK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------------|----------|----------|----------|------------------------|----------|
| 1 | 353-542 | Straight Fitting | 2 | 24 | 353-374 | 90° Fitting | 1 |
| 2 | 21-5550 | Filter & Head Assy. (Incl. #3) | 1 | 25 | 353-370 | 90° Fitting | 1 |
| 3 | 23-9740 | Filter Element | 1 | 26 | 237-80 | O-Ring | 2 |
| 4 | 3296-6 | Locknut | 2 | 27 | 353-371 | 90° Fitting | 1 |
| 5 | 27-9370 | Ball Joint | 1 | 28 | 237-79 | O-Ring | 1 |
| 6 | 29-4220 | Pump Lever | 1 | 29 | 237-99 | O-Ring | 1 |
| 7 | 32121-24 | Roll Pin | 1 | 30 | 29-1560 | 90° Fitting | 1 |
| 8 | 353-433 | Straight Fitting | 1 | 31 | 2412-3 | Hose Clamp | 2 |
| 9 | 323-7 | Capscrew | 2 | 32 | 237-81 | O-Ring | 1 |
| 10 | 3253-21 | Lockwasher | 7 | 33 | 29-1330 | Gear Pump | 1 |
| 11 | 29-1300 | Piston Pump | 1 | 34 | 29-4300 | Bracket Equalizer | 1 |
| 13 | 3256-4 | Flat Washer | 3 | 35 | 3296-52 | Locknut | 4 |
| 14 | 323-8 | Capscrew | 3 | 36 | 27-9380 | Switch - Traction | 2 |
| 15 | 323-10 | Capscrew | 1 | 37 | 27-9350 | Rod - Equalizer | 1 |
| 16 | 10-7950 | Gas Cap | 1 | 38 | 27-9330 | Spring Compression | 1 |
| 17 | 29-2100 | Gas Tank | 1 | 39 | 27-9320 | Retain - Spring Bottom | 1 |
| 18 | 323-12 | Capscrew | 1 | 40 | 3290-404 | Machine Screw | 4 |
| 19 | 353-536 | 90° Fitting | 1 | 41 | 27-9340 | Retainer - Spring Top | 1 |
| 20 | 2412-36 | Hose Clamp | 3 | 42 | 3220-3 | Jam Nut | 1 |
| 21 | 18-1530 | Hose Fuel Line | 1 | 43 | 353-427 | 45° Fitting | 1 |
| 22 | 18-1520 | Fuel Filter | 1 | 44 | 282-11 | Shackle | 1 |
| 23 | 237-42 | O-Ring | 1 | 45 | 3296-23 | Locknut | 1 |
| | | | | 46 | 325-9 | Capscrew | 1 |



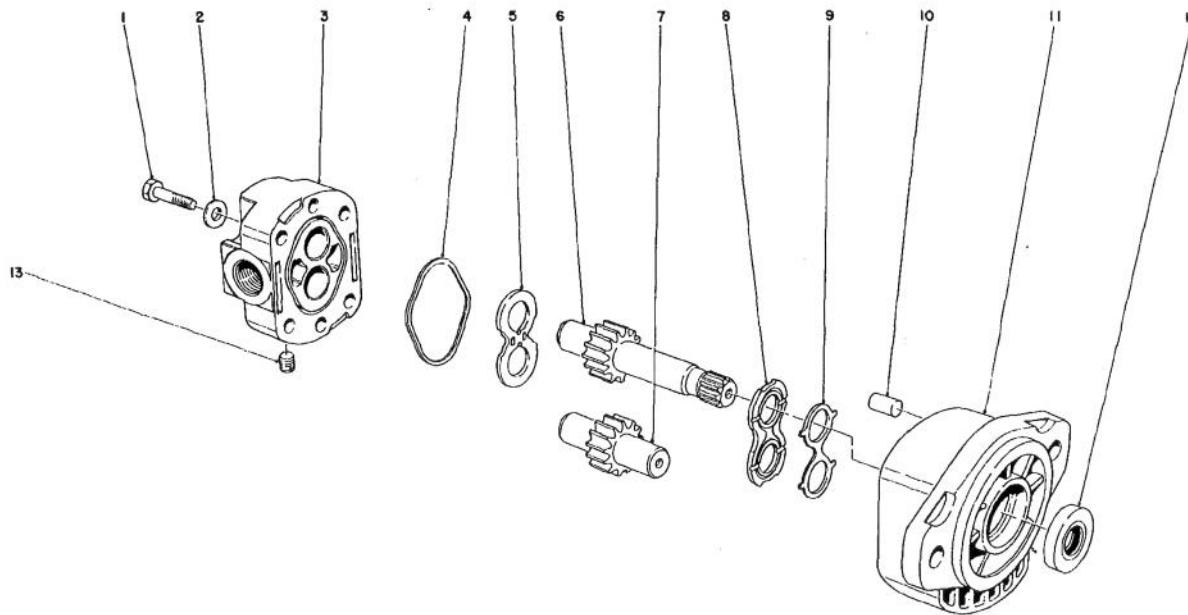
PISTON PUMP NO. 29-1300

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 1 | 322-19 | Capscrew | 2 |
| 2 | 32151-54 | Retaining Ring | 1 |
| 3 | 33-5010 | Washer | 1 |
| 4 | 33-5000 | Spring | 1 |
| 5 | 33-4990 | Poppet | 1 |
| 6 | 33-5020 | Charge Pump Adaptor Assembly (Incl. Ref. # 2-5) | 1 |
| 7† | | Washer Backup | 1 |
| 8† | | O-Ring | 2 |
| 9 | 33-4970 | Check Valve Assembly (Incl. Ref. # 7-8) | 2 |
| 10 | 33-4960 | Key | 1 |
| 11 | 33-4940 | Back Plate Assembly | 1 |
| 13† | | Housing Gasket | 1 |
| 14 | 33-4880 | Pivot | 1 |
| 15 | 33-4870 | Spider | 1 |
| 16 | 33-5030 | Piston Assembly | 1 |
| 17 | 32120-74 | Retaining Ring | 2 |
| 18 | 33-3760 | Sleeve Cover | 1 |
| 19† | | O-Ring | 2 |
| 20 | 33-3750 | Inner Race | 2 |
| 21 | 252-95 | Needle Bearing | 2 |

*Not Illustrated

†Items only available in Seal Repair Kit 33-4920

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 22 | 33-3740 | Housing Assembly | 1 |
| 23 | 33-3770 | Trunnion Cover | 1 |
| 25† | | O-Ring | 1 |
| 26 | 33-3780 | Cam Plate | 1 |
| 27 | 32151-13 | Retaining Ring | 1 |
| 28† | | Shaft Seal | 1 |
| 29 | 33-3720 | Washer | 1 |
| 30 | 32151-29 | Retaining Ring | 2 |
| 31 | 252-71 | Thrust Race | 2 |
| 32 | 252-66 | Thrust Bearing | 1 |
| 33 | 33-3730 | Drive Shaft | 1 |
| 34 | 33-4890 | Piston Block Assembly | 1 |
| 36 | 33-4950. | Coupler | 1 |
| 37 | 33-4900 | Gerotor & Coupler Assembly (Incl. Ref. #10, 36 & 38) | 1 |
| 38† | | Retaining Ring Spiral | 2 |
| 39† | | O-Ring | 1 |
| 40 | 322-20 | Capscrew | 2 |
| * | 33-4920 | Seal Repair Kit (Incl. Ref. #2, 7-8, 13, 17, 19, 25, 27-28, 30, 38 and 39) | 1 |



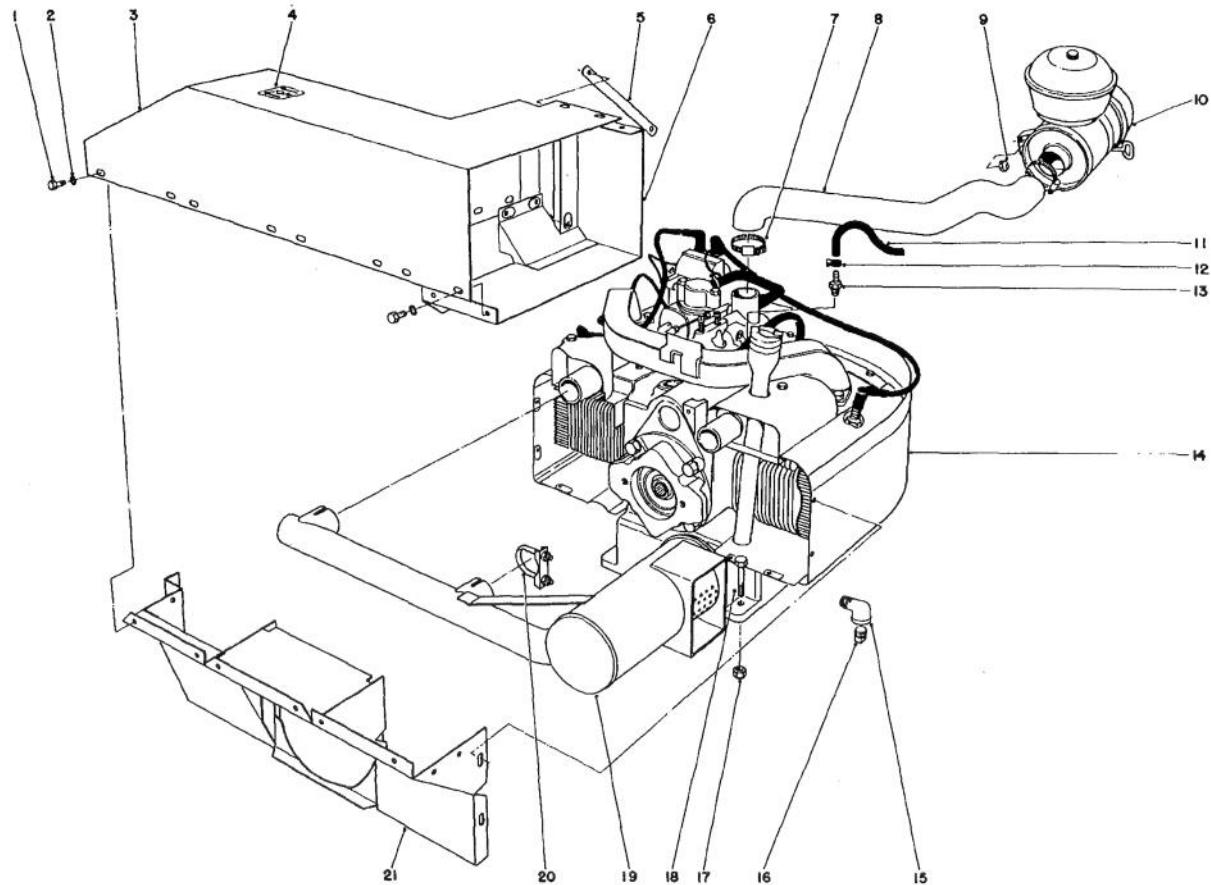
GEAR PUMP NO. 29-1330

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------------|----------|
| 1 | 323-9 | Capscrew | 4 |
| 2 | 33-1490 | Washer | 4 |
| 3 | 33-1110 | Cover — Side Port | 1 |
| 4† | | Gasket — Seal | 1 |
| 5 | 33-1130 | Thrust Plate | 1 |
| 6 | 33-1140 | Drive Gear | 1 |
| 7 | 33-1150 | Driven Gear | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 8 | 33-1160 | Wear Plate | 1 |
| 9† | | Pressure Loading Seal | 1 |
| 10 | 33-1180 | Dowel Pin | 2 |
| 11 | 33-1190 | Body | 1 |
| 12† | | Shaft Seal | 1 |
| 13 | 281-1 | Pipe Plug | 1 |
| * | 33-4910 | Seal Repair Kit (Incl. Ref. 4, 9, 12) | 1 |

*Not Illustrated

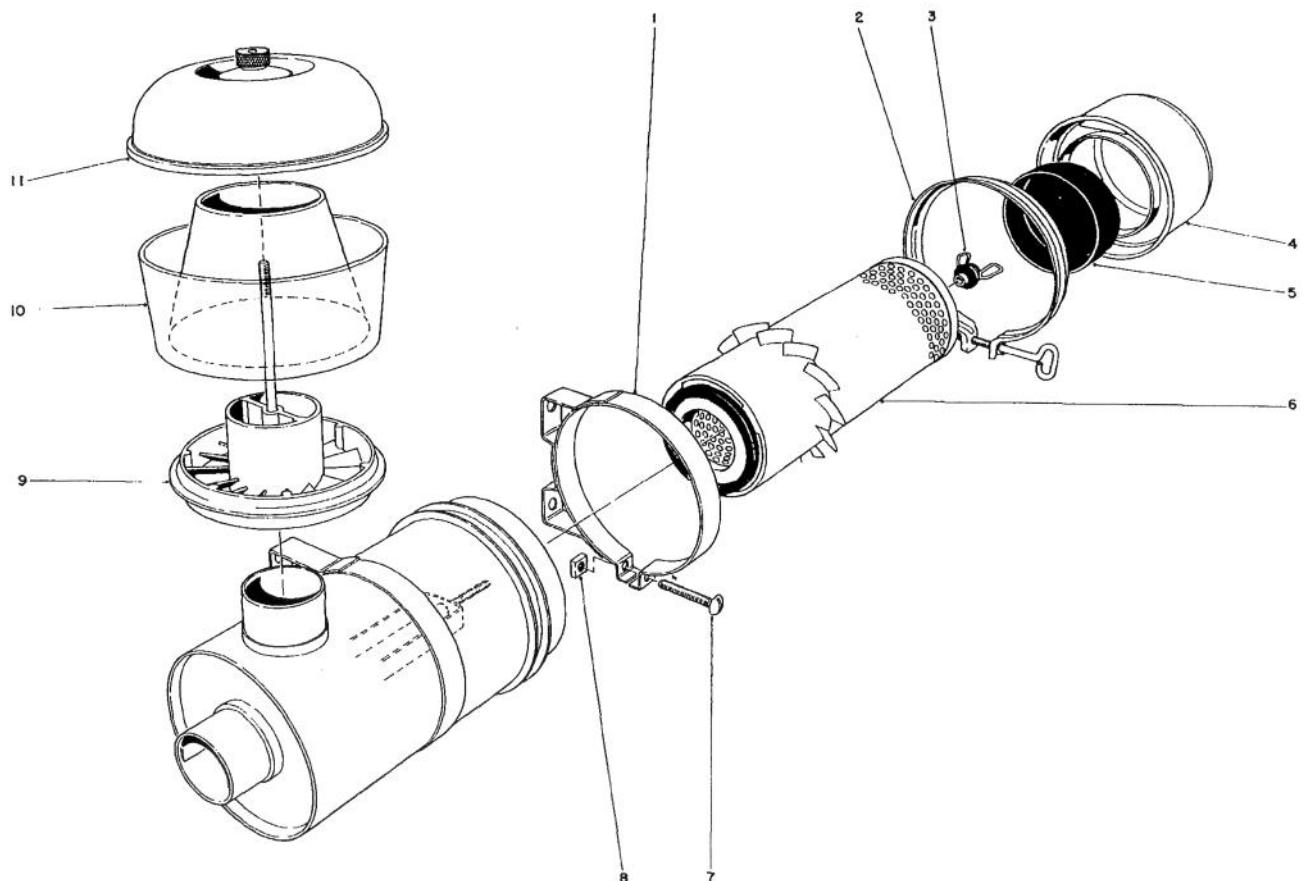
†Items only available in Seal Repair Kit No. 33-4910



ENGINE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------|----------|
| 1 | 321-3 | Capscrew | 23 |
| 2 | 3253-3 | Lockwasher | 23 |
| 3 | 29-4050 | Top Duct | 1 |
| 4 | 28-1530 | Decal - Hot Surface | 1 |
| 5 | 29-4200 | Strap Duct | 1 |
| 6 | 29-4100 | End, Duct - Discharge | 1 |
| 7 | 2412-42 | Hose Clamp | 2 |
| 8 | 29-5230 | Hose - Carb. Inlet | 1 |
| 9 | 3296-29 | Locknut | 4 |
| 10 | 29-4960 | Air Cleaner Assembly | 1 |
| 11 | 29-4110 | Hose - Fuel Line | 1 |

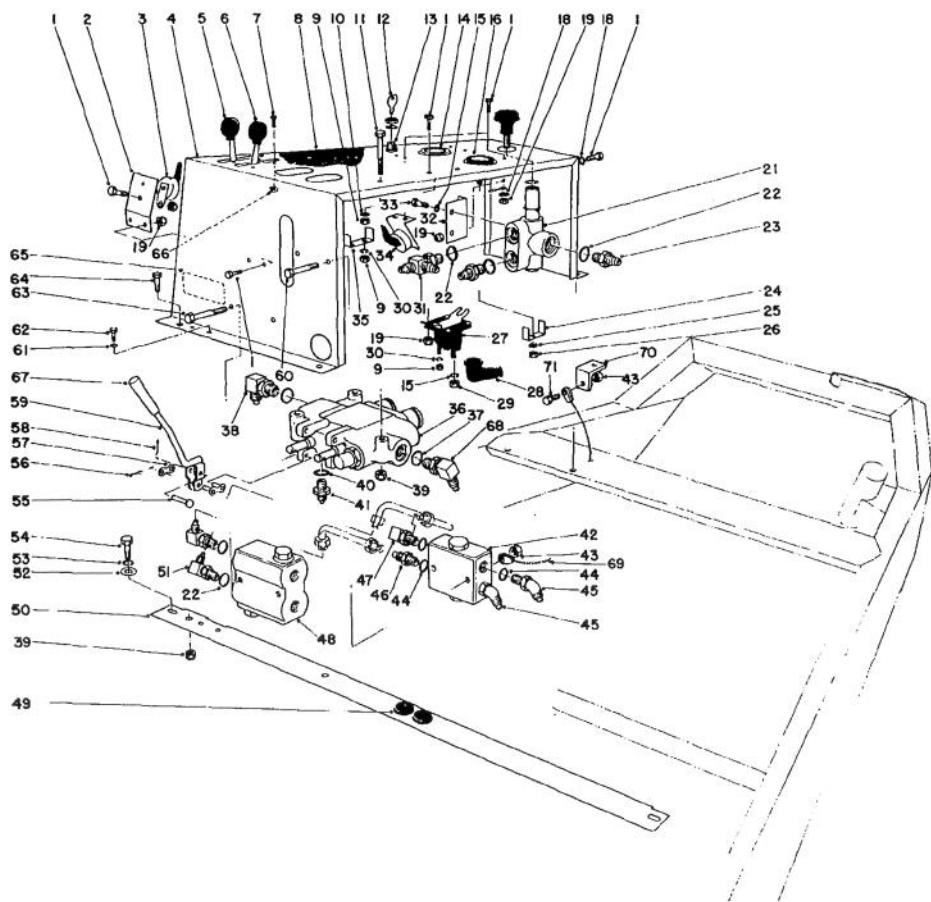
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 12 | 2412-36 | Hose Clamp | 1 |
| 13 | 304-73 | Hose Connector Barbed | 1 |
| 14 | 221-593 | Kohler Engine (Model K582-QS Type No. EXPC-36261A) | 1 |
| 15 | 2811-8 | Street Elbow | 1 |
| 16 | 281-5 | Pipe Plug | 1 |
| 17 | 3296-23 | Locknut | 4 |
| 18 | 325-6 | Capscrew | 4 |
| 19 | 29-5220 | Exhaust Muffler | 1 |
| 20 | 2112-9 | Clamp Muffler | 2 |
| 21 | 29-4170 | Discharge Duct Bottom | 1 |



AIR CLEANER ASSEMBLY NO. 29-4960

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------------|----------|
| 1 | 33-1350 | Band Assembly Mounting | 2 |
| 2 | 33-1340 | Clamp Assembly | 1 |
| 3 | 33-1330 | Nut Assembly | 1 |
| 4 | 33-1320 | Cup Assembly | 1 |
| 5 | 33-1310 | Baffle | 1 |
| 6 | 33-1300 | Element Assembly | 1 |

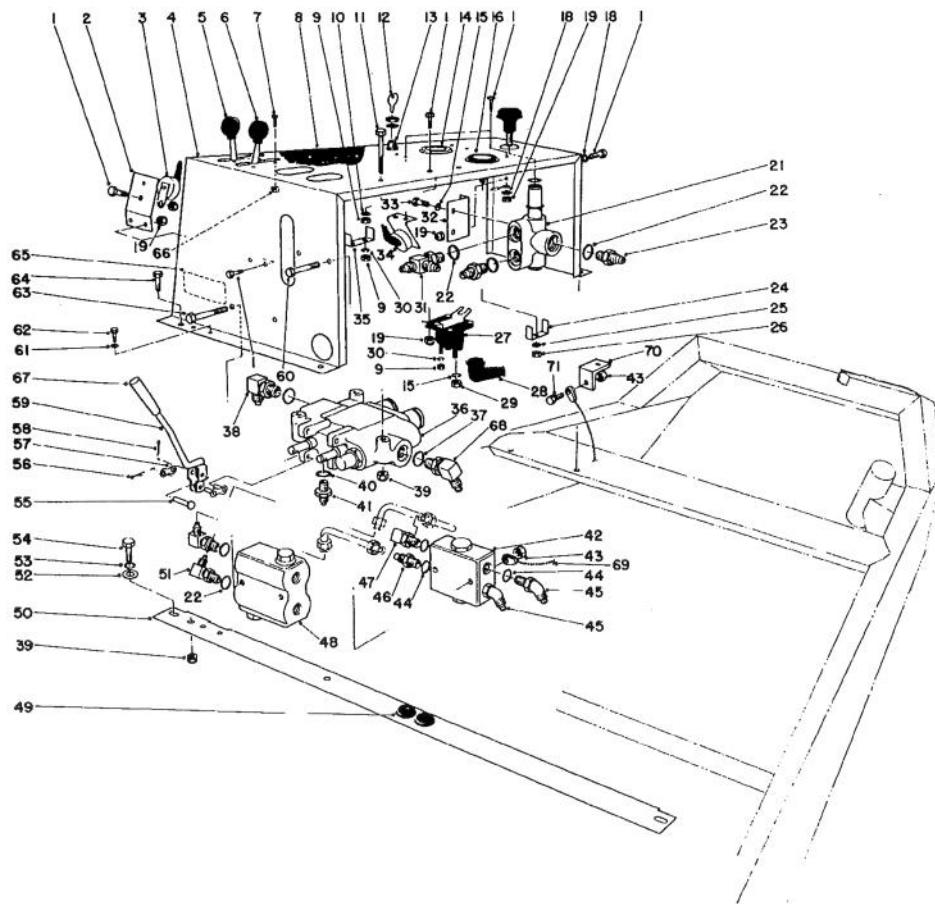
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------|----------|
| 7 | 3258-19 | Machine Screw | 2 |
| 8 | 32107-11 | Nut – Square | 2 |
| 9 | 33-1280 | Sleeve Assembly | 1 |
| 10 | 33-1270 | Bowl Clear | 1 |
| 11 | 33-1260 | Cover Assembly | 1 |



INSTRUMENT PANEL AND HYDRAULIC VALVES

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------------------------|----------|
| 1 | 321-3 | Capscrew | 11 |
| 2 | 29-1490 | Bracket Switch Mounting Front | 1 |
| 3 | 29-1540 | Safety Switch | 2 |
| 4 | 29-1370 | Control Panel | 1 |
| 5 | 29-5180 | Choke Control | 1 |
| 6 | 29-5190 | Throttle Control | 1 |
| 7 | 3290-134 | Machine Screw | 4 |
| 8 | 29-2400 | Decal Control Panel | 1 |
| 9 | 3219-14 | Nut | 7 |
| 10 | 3256-51 | Washer | 2 |
| 11 | 323-12 | Capscrew | 3 |
| 12 | 218-412 | Key (Set of 2) | 1 |
| 13 | 12-8140 | Ignition Switch | 1 |
| 14 | 7-6130 | Ammeter | 1 |
| 15 | 3253-4 | Lockwasher | 4 |
| 16 | 12-9990 | Hour Meter | 1 |
| 18 | 3255-7 | External Tooth Lockwasher | 2 |
| 19 | 3296-42 | Locknut | 11 |
| 21 | 29-1420 | Selector Valve | 1 |
| 22 | 237-79 | O-Ring | 7 |
| 23 | 353-388 | Straight Fitting | 2 |
| 24 | 33-3700 | Mounting Bracket | 1 |

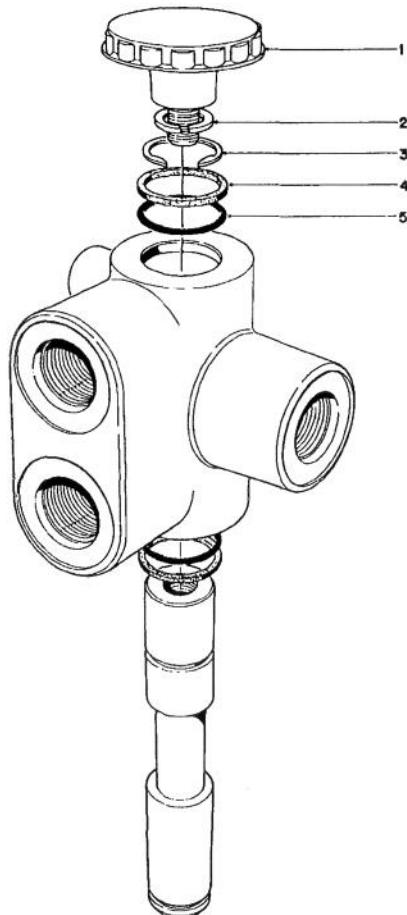
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------------------|----------|
| 25 | 3255-17 | Internal Lockwasher | 1 |
| 26 | 3217-26 | Nut | 1 |
| 27 | 6-1600 | Solenoid | 1 |
| 28 | 218-331 | Battery Boot | 1 |
| 29 | 3218-13 | Jam Nut | 2 |
| 30 | 3253-17 | Lockwasher | 3 |
| 31 | 353-466 | Tee | 1 |
| 32 | 29-1390 | Bracket Valve | 1 |
| 33 | 322-1 | Capscrew | 2 |
| 34 | 29-1480 | Bracket Switch Mounting Rear | 1 |
| 35 | 26-2350 | Clamp | 1 |
| 36 | 29-1450 | Spool Valve | 1 |
| 37 | 237-81 | O-Ring | 2 |
| 38 | 353-369 | 90° Fitting | 1 |
| 39 | 3296-39 | Locknut | 5 |
| 40 | 237-80 | O-Ring | 4 |
| 41 | 353-433 | Straight Fitting | 4 |
| 42 | 29-1430 | Lock Valve | 1 |
| 43 | 3296-29 | Locknut | 5 |
| 44 | 237-42 | O-Ring | 4 |
| 45 | 353-212 | 45° Fitting | 2 |
| 46 | 353-192 | Straight Fitting | 1 |



INSTRUMENT PANEL AND HYDRAULIC VALVES (Continued)

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------------|----------|
| 47 | 353-511 | 90° Fitting | 1 |
| 48 | 29-1440 | Double Relief Cushion Valve | 1 |
| 49 | 2410-43 | Grommet | 2 |
| 50 | 29-1380 | Brace Control Panel | 1 |
| 51 | 353-371 | 90° Fitting | 4 |
| 52 | 3256-24 | Flat Washer | 2 |
| 53 | 3253-21 | Lockwasher | 2 |
| 54 | 323-34 | Capscrew | 2 |
| 55 | 353-630 | Pin | 2 |
| 56 | 353-320 | Cotter Pin | 2 |
| 57 | 353-319 | Connecting Link | 2 |
| 58 | 353-321 | Cotter Pin | 2 |
| 59 | 36-4280 | Valve Lever | 2 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------|----------|
| 60 | 322-10 | Capscrew | 2 |
| 61 | 3253-3 | Lockwasher | 2 |
| 62 | 321-3 | Capscrew | 2 |
| 63 | 322-12 | Capscrew | 2 |
| 64 | 323-4 | Capscrew | 4 |
| 65 | 29-8940 | Decal — Oil Fill | 1 |
| 66 | 32128-17 | Flange Nut | 4 |
| 67 | 233-39 | Knob | 2 |
| 68 | 353-676 | 90° Fitting | 1 |
| 69 | 36-4290 | Cable | 1 |
| 70 | 36-4320 | Bracket | 1 |
| 71 | 322-5 | Capscrew | 1 |



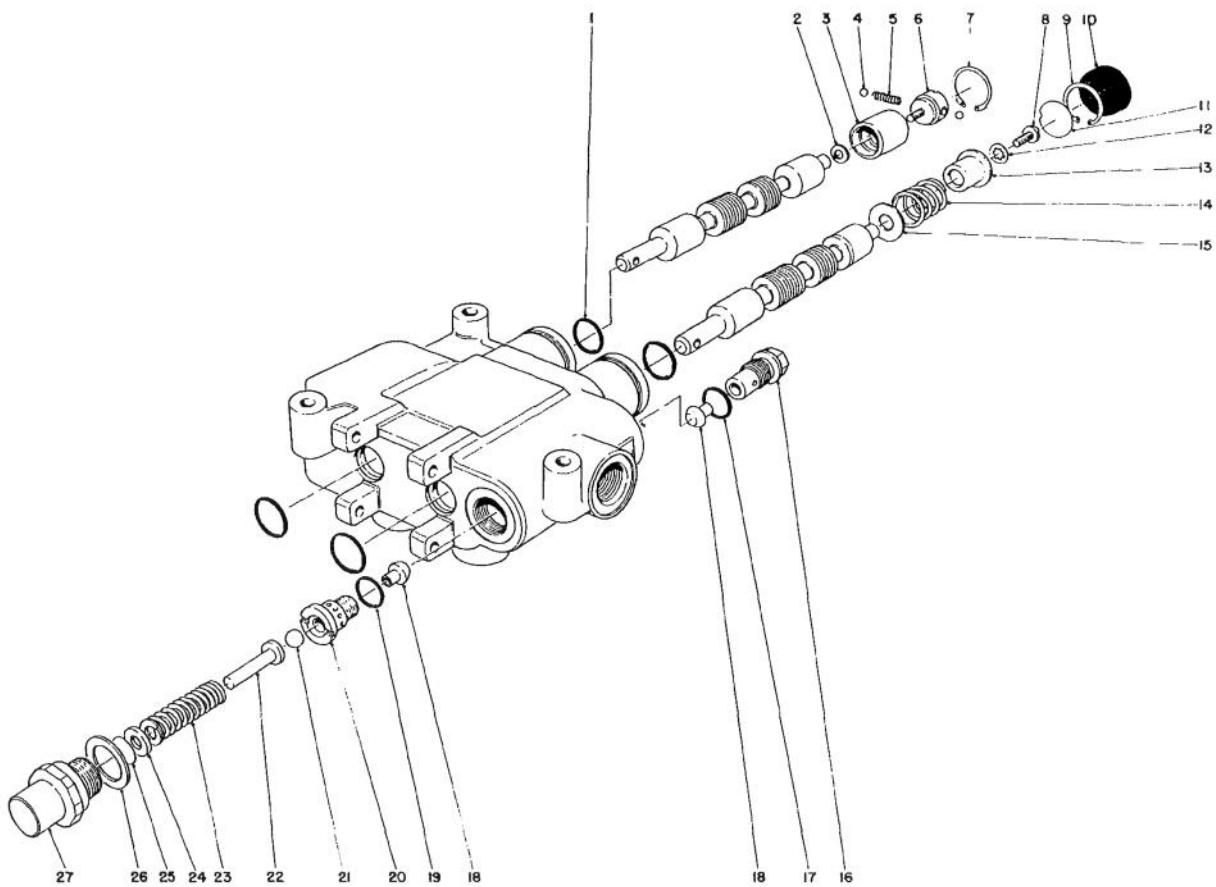
SELECTOR VALVE NO. 29-1420

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------|----------|
| 1 | 233-46 | Knob | 1 |
| 2 | 3253-5 | Lockwasher | 1 |
| 3 | 32151-50 | Retainer Ring | 2 |
| 4† | | Washer – Backup | 2 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 5† | 33-1530 | O-Ring Seal Repair Kit (Incl. Ref. #3-5) | 2 1 |

*Not Illustrated

†Items only available in Seal Repair Kit No. 33-1530

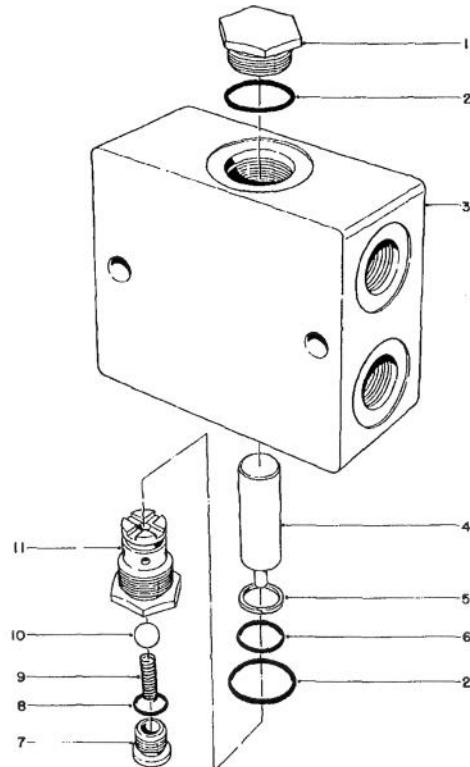


HYDRAULIC VALVE NO. 29-1450

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|----------------------|----------|
| 1 | 237-108 | O-Ring | 4 |
| 2 | 3253-30 | Lockwasher | 1 |
| 3 | | Sleeve - Detent | 1 |
| 4 | 33-1570 | Ball - Detent | 2 |
| 5 | 33-1580 | Spring - Detent | 1 |
| 6 | | Holder - Detent Ball | 1 |
| 7 | 32151-52 | Ring - Retaining | 1 |
| 8 | 3258-2 | Screw | 1 |
| 9 | 32151-51 | Ring Retaining | 1 |
| 10 | 33-1600 | Bonnet - Rubber | 1 |
| 11 | 33-1610 | Disc - Stop | 1 |
| 12 | 3254-16 | Lockwasher | 1 |
| 13 | 33-1620 | Collar Stop | 1 |
| 14 | 33-3270 | Spring - Centering | 1 |
| 15 | 33-3370 | Washer - Stop | 1 |
| 16 | | Plug Check | 1 |
| 17 | 237-109 | Seal-O-Ring | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 18 | 33-3290 | Poppet - Check | 2 |
| 19 | 237-110 | Seal-O-Ring | 1 |
| 20 | 33-3300 | Seat - Relief | 1 |
| 21 | 33-3310 | Ball - Relief | 1 |
| 22 | 33-3320 | Guide Spring | 1 |
| 23 | 33-3330 | Spring - Relief | 1 |
| 24 | 33-3340 | Washer Spacer | 1 |
| 25 | 33-3350 | Shim | A/R |
| 26 | 33-5050 | Gasket | 1 |
| 27 | 33-3360 | Body Relief | 1 |
| * | 33-3640 | Detent Kit (Incl. Ref. 2-7 & 10) | 1 |
| * | 33-3660 | Neutral Positioner (Incl. Ref. 8-15) | 1 |
| * | 33-3690 | Seal Repair Kit (Incl. Ref. 1, 17, 19 & 26) | 1 |
| * | 36-3790 | Check Plug Kit (Incl. Ref. 16-18) | 1 |

*Not Illustrated

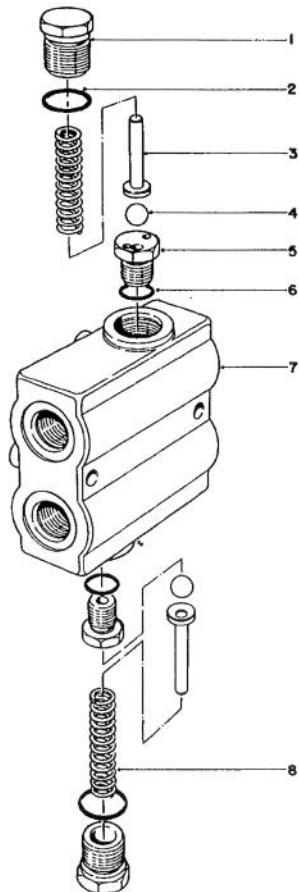


VALVE LOCK NO. 29-1430

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------|----------|----------|----------|--|----------|
| 1 | 33-1480 | Plug | 1 | 9 | 33-1470 | Spring - Check | 1 |
| 2† | | O-Ring | 2 | 10 | 33-1500 | Ball | 1 |
| 3 | | Housing | 1 | 11 | 33-1510 | Seat - Lockout | 1 |
| 4 | | Piston | 1 | * | 33-1290 | Rebuilding Kit (Incl. Ref. #1, 2, 4-11) | 1 |
| 5† | | Washer - Back Up | 1 | * | 33-1390 | Seal Repair Kit (Incl. Ref. #2, 5, 6, 8) | 1 |
| 6† | | O-Ring | 1 | | | | |
| 7 | 33-1410 | Plug | 1 | | | | |
| 8† | | O-Ring | 1 | | | | |

*Not Illustrated

†Items only available in Seal Repair Kit No. 33-1390

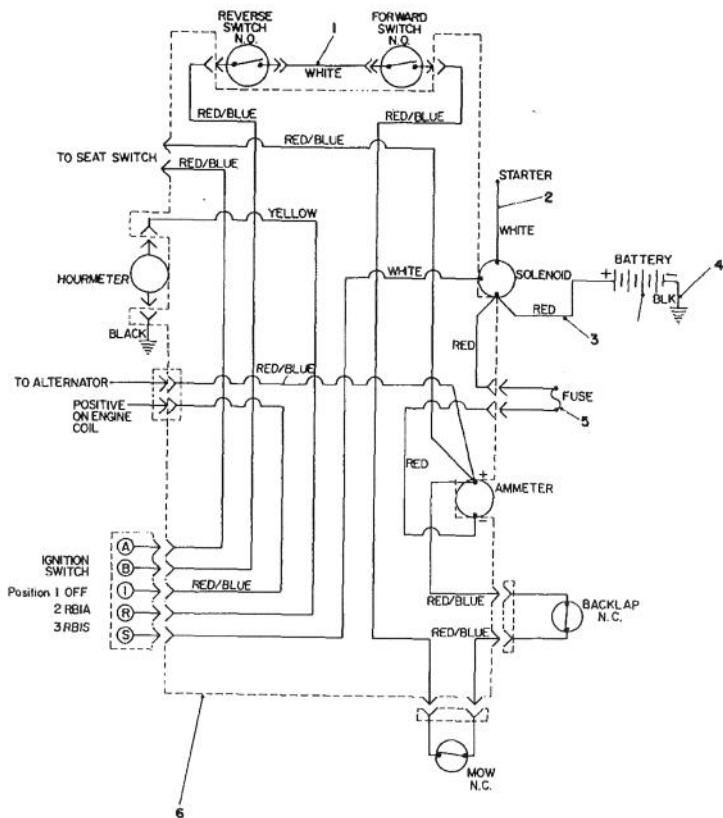


VALVE CUSHION NO. 29-1440

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------|----------|----------|----------|---|----------|
| 1 | 33-1430 | Cap - Relief | 2 | 6 | 237-105 | O-Ring | 2 |
| 2 | 237-106 | O-Ring | 2 | 7 | | Housing | 1 |
| 3 | 33-1380 | Guide Spring | 2 | 8 | 33-1420 | Spring Compression | 2 |
| 4 | 33-1370 | Ball Steel | 2 | * | 33-5060 | Installation Tool (For Installing Ball Seat) | 1 |
| 5† | 33-1360 | Seat - Ball | 2 | | | | |

*Not Illustrated

†Special Tool Required



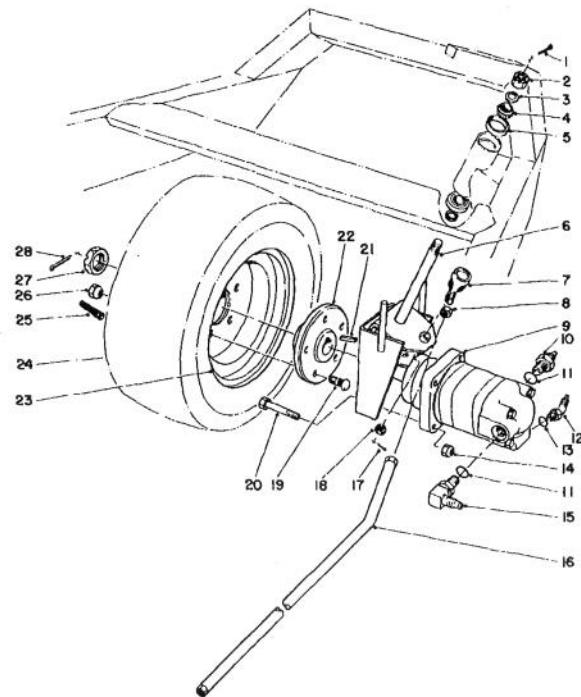
WIRE SCHEMATIC

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------|----------|
| 1 | 27-9500 | Wire Traction Switch | 1 |
| 2 | 29-1530 | Wire Solenoid to Starter | 1 |
| 3 | 29-1520 | Wire Battery to Solenoid | 1 |
| 4 | 29-1510 | Wire Battery to Ground | 1 |

*Not Illustrated

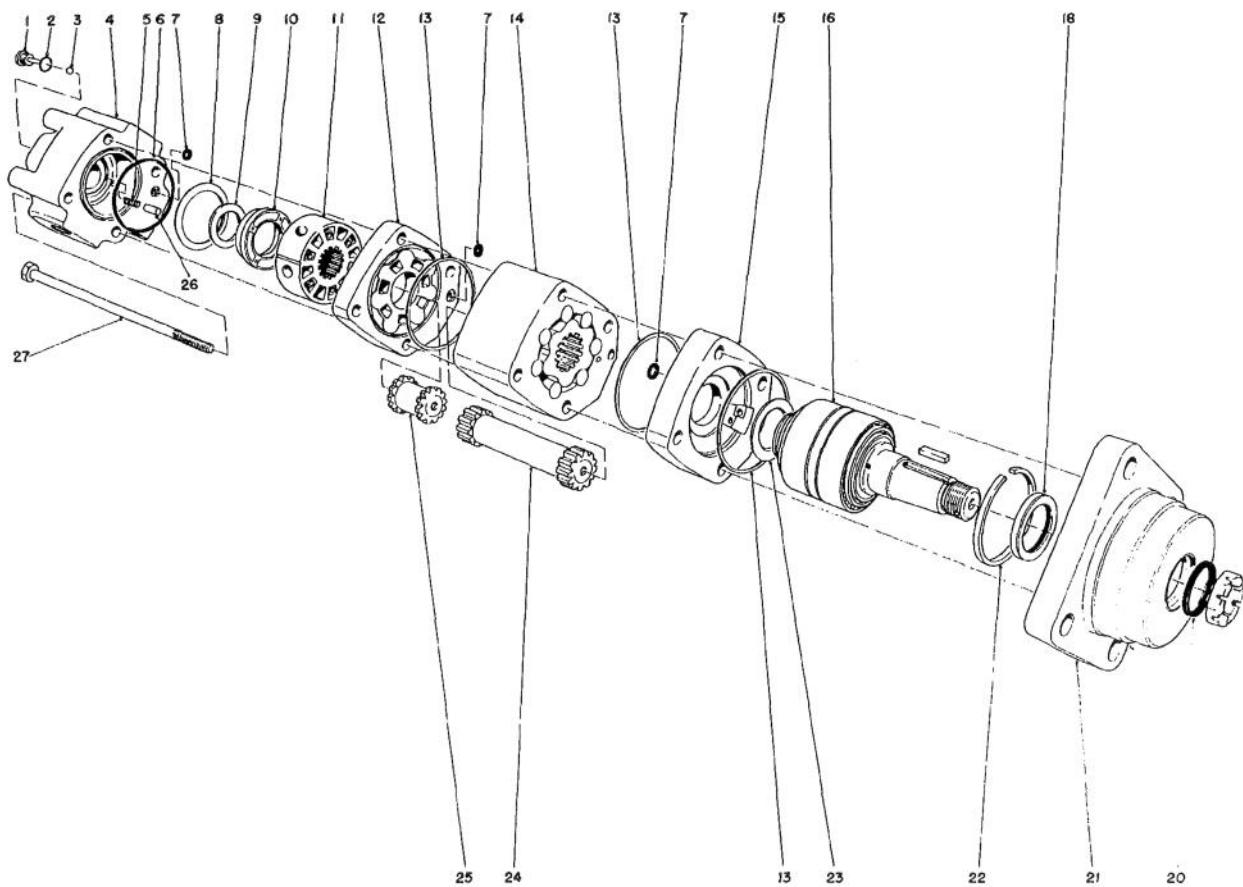
†Obtain Locally

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|---------------|----------|
| 5 | 218-489 | Fuse — Holder | 1 |
| * † | | Fuse 30 amp | 1 |
| 6 | 29-4210 | Wire Harness | 1 |



REAR WHEEL AND MOTOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|----------------------|----------|----------|----------|------------------|----------|
| 1 | 3272-37 | Cotter Pin | 1 | 15 | 353-426 | 90° Fitting | 1 |
| 2 | 32136-9 | Nut | 1 | 16 | 29-2110 | Steering Tube | 1 |
| 3 | 18-6320 | Washer | 2 | 17 | 3272-6 | Cotter Pin | 1 |
| 4 | 254-70 | Cone w/Seal | 2 | 18 | 32136-4 | Slotted Nut | 1 |
| 5 | 254-61 | Cup | 2 | 19 | 242-34 | Drive Stud | 5 |
| 6 | 29-2000 | Spindle | 1 | 20 | 325-7 | Capscrew | 4 |
| 7 | 21-0140 | Socket Assembly R.H. | 1 | 21 | 11-5790 | Key | 1 |
| 8 | 3220-5 | Nut | 1 | 22 | 29-2080 | Hub Rear Wheel | 1 |
| 9 | 36-5690 | Motor | 1 | 23 | 217-107 | Rim | 1 |
| 10 | 353-433 | Straight Fitting | 1 | 24 | 231-87 | Tire | 1 |
| 11 | 237-80 | O-Ring | 2 | 25 | 232-35 | Valve Stem w/Cap | 1 |
| 12 | 353-431 | 45° Fitting | 1 | 26 | 23-7270 | Nut | 5 |
| 13 | 237-78 | O-Ring | 1 | 27 | 11-5800 | Nut | 1 |
| 14 | 3296-23 | Locknut | 4 | 28 | 3272-13 | Cotter Pin | 1 |



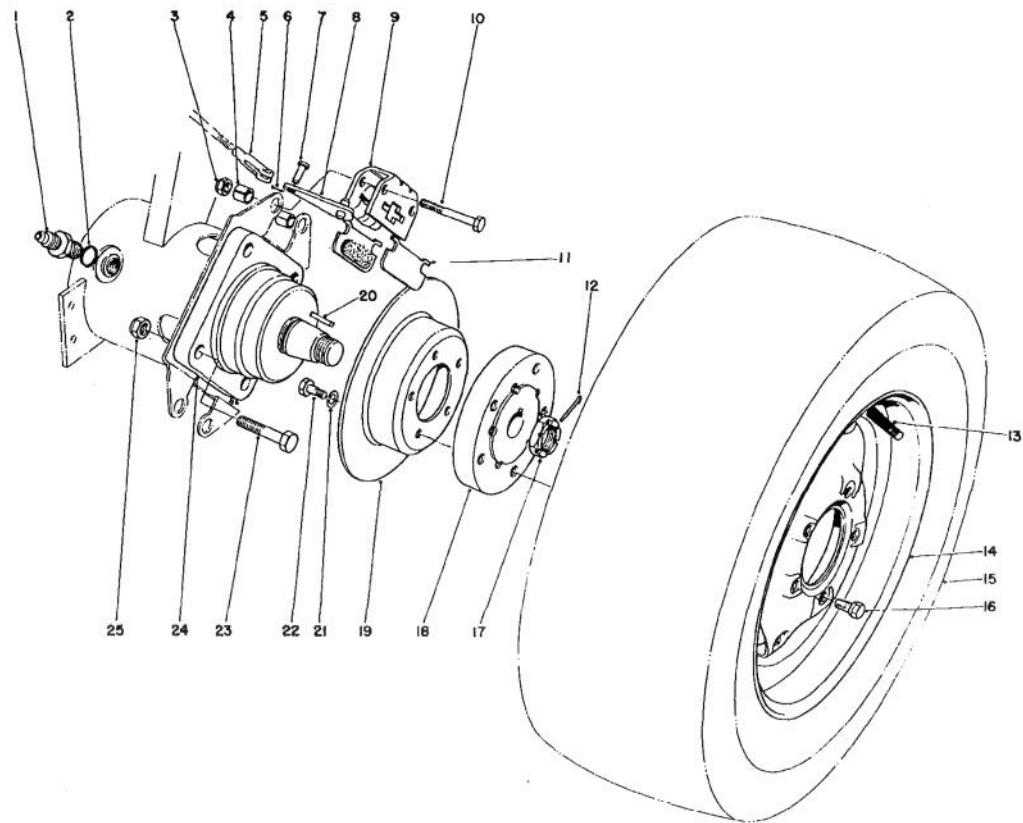
REAR WHEEL MOTOR NO. 36-5690

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------------|----------|----------|----------|--|----------|
| 1 | 33-3380 | Plug Assembly (Inc. Ref #2) | 2 | 16 | 33-3490 | Shaft Sub Assembly (Incl. Ref #22) | 1 |
| 2† | | O-Ring | 1 | 18‡ | | Shaft Seal | 1 |
| 3 | 33-3390 | Ball | 2 | 20‡ | | Dust Seal | 1 |
| 4 | 33-3400 | Valve Housing | 1 | 21 | 33-3520 | Bearing Housing | 1 |
| 5 | 33-3410 | Spring | 2 | 22 | | Spacer | 1 |
| 6† | | Seal | 1 | 23‡ | | Shaft Face Seal | 1 |
| 7† | | Seal | 3 | 24 | 36-6250 | Drive | 1 |
| 8† | | Outer Face Seal | 1 | 25 | 36-6260 | Valve Drive | 1 |
| 9† | | Inner Face Seal | 1 | 26 | 33-3570 | Pin | 2 |
| 10 | 33-3440 | Balancing Plate | 1 | 27 | 33-5070 | Hex Hd. Bolt | 4 |
| 11 | 36-6230 | Valve | 1 | * | 33-5090 | Seal Repair Kit (Incl. Ref. #2, 6-9, 13) | 1 |
| 12 | 36-6240 | Valve Plate | 1 | * | 33-5110 | Seal Repair Kit (Incl. Ref. #13, 18, 20, 23) | 1 |
| 13† | | Seal | 2 | | | | |
| 13‡ | | Seal | 1 | | | | |
| 14 | 33-3470 | Geroller Assembly | 1 | | | | |
| 15 | 33-3480 | Wear Plate | 1 | | | | |

*Not Illustrated

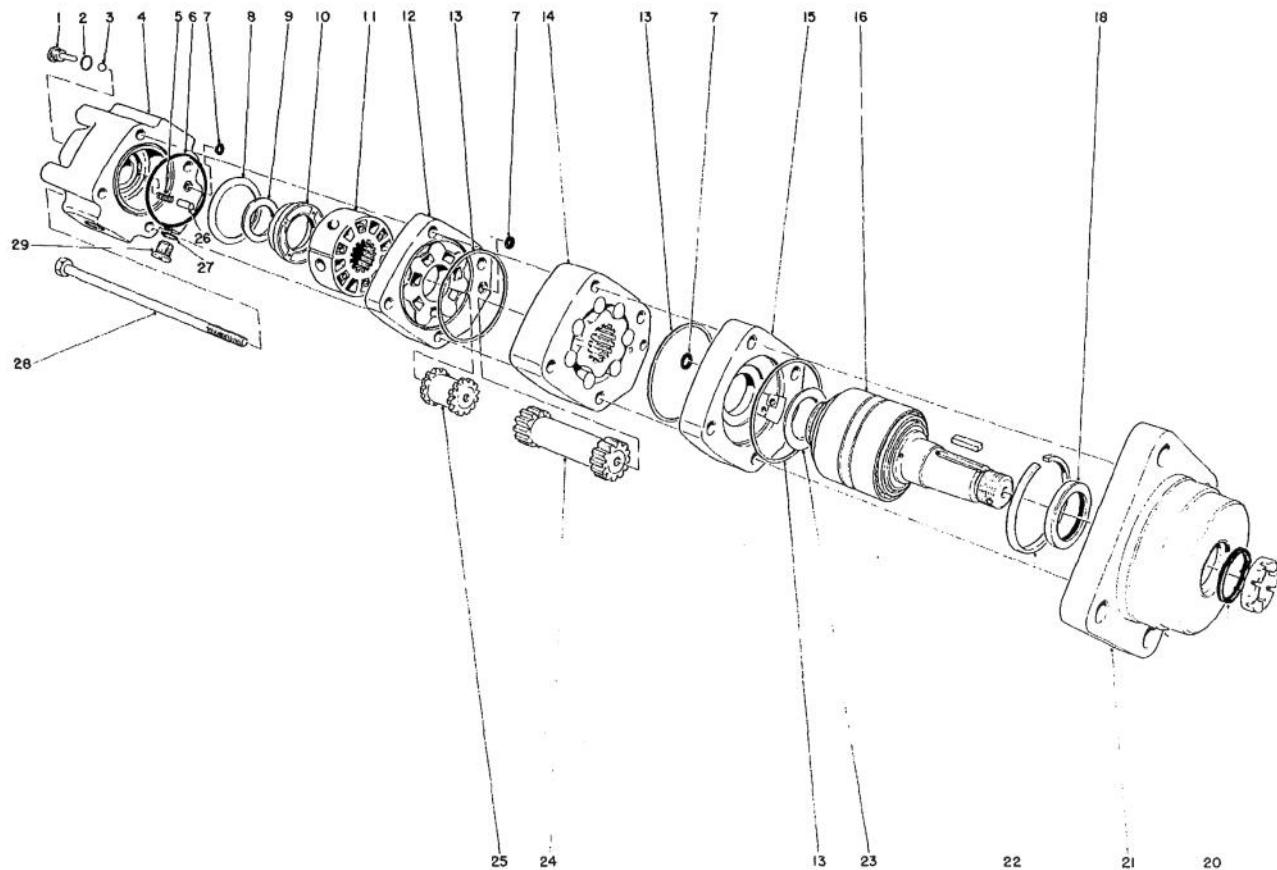
†Items only available in Seal Repair Kit No. 33-5090

‡Items only available in Seal Repair Kit No. 33-5110



FRONT WHEEL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------------|----------|----------|----------|-----------------|----------|
| 1 | 353-433 | Straight Fitting | 4 | 14 | 33-1540 | Rim | 2 |
| 2 | 237-80 | O-Ring | 2 | 15 | 231-41 | Tire | 2 |
| 3 | 3296-39 | Locknut | 4 | 16 | 217-74 | Wheel Bolt | 10 |
| 4 | 29-1090 | Spacer - Roller Split | 4 | 17 | 11-5800 | Nut | 2 |
| 5 | 282-2 | Yoke | 2 | 18 | 29-1020 | Hub Front Wheel | 2 |
| 6 | 3272-4 | Cotter Pin | 2 | 19 | 29-1040 | Disc Brake | 2 |
| 7 | 283-26 | Clevis Pin | 2 | 20 | 11-5790 | Key | 2 |
| 8 | 29-1070 | Lever Assembly -- Actuating | 2 | 21 | 3253-4 | Lockwasher | 10 |
| 9 | 29-1060 | Bracket -- Secondary | 2 | 22 | 322-3 | Capscrew | 10 |
| 10 | 323-13 | Capscrew | 4 | 23 | 325-7 | Capscrew | 8 |
| 11 | 29-1080 | Stator Assembly | 4 | 24 | 36-5610 | Motor | 2 |
| 12 | 3272-13 | Cotter Pin | 2 | 25 | 3296-23 | Locknut | 8 |
| 13 | 232-27 | Valve Stem w/Cap | 2 | | | | |



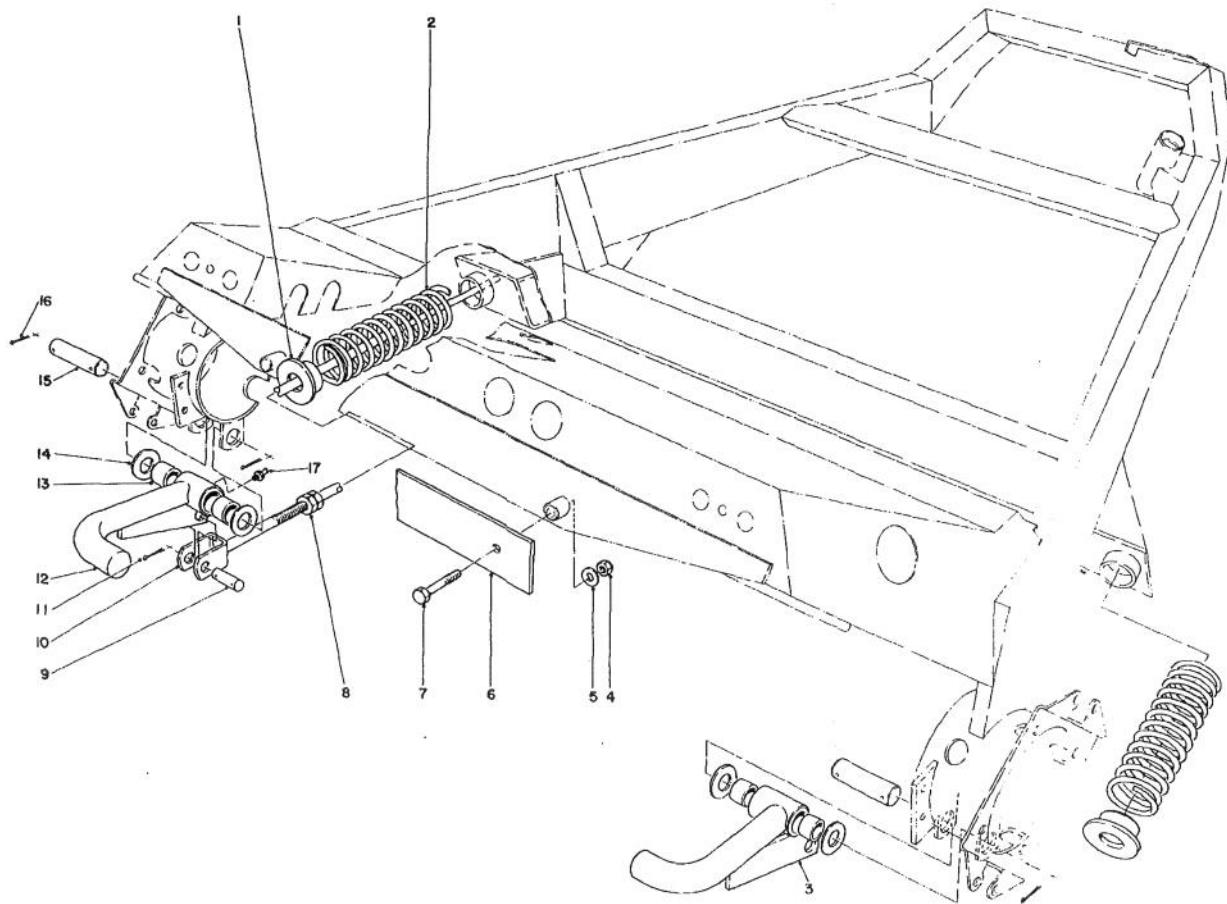
FRONT WHEEL MOTOR NO. 36-5610

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------------------------|----------|-----------|----------|--|----------|
| 1 | 33-3380 | Plug Assembly (Incl. Ref. #2) | 2 | 16 | 33-3490 | Shaft Sub Assy (Incl. Ref #22)) | 1 |
| 2† | | O-Ring | 1 | 18‡ | | Shaft Seal | 1 |
| 3 | 33-3390 | Ball | 2 | 20‡ | | Dust Seal | 1 |
| 4 | 33-3400 | Valve Housing | 1 | 21 | 33-3520 | Bearing Housing | 1 |
| 5 | 33-3410 | Spring | 2 | 22 | | Spacer | 1 |
| 6† | | Seal | 1 | 23‡ | | Shaft Face Seal | 1 |
| 7† | | Seal | 3 | 24 | 36-6270 | Drive | 1 |
| 8† | | Outer Face Seal | 1 | 25 | 36-6260 | Valve Drive | 1 |
| 9† | | Inner Face Seal | 1 | 26 | 33-3570 | Pin | 2 |
| 10 | 33-3440 | Balancing Plate | 1 | 27 | 237-115 | O-Ring Seal | 1 |
| 11 | 36-6230 | Valve | 1 | 28 | 33-5080 | Hex Hd. Bolt | 4 |
| 12 | 36-6240 | Valve Plate | 1 | 29 | 33-3580 | Plug Assembly (Incl. Ref. #27) | 1 |
| 13† | | Seal | 2 | * 33-5090 | | Seal Repair Kit (Incl. Ref. #2, 6-9, 13) | 1 |
| 13‡ | | Seal | 1 | * 33-5110 | | Seal Repair Kit (Incl. Ref. #13, 18, 20, 23) | 1 |
| 14 | 33-3590 | Geroller Assembly | 1 | | | | |
| 15 | 33-3480 | Wear Plate | 1 | | | | |

*Not Illustrated

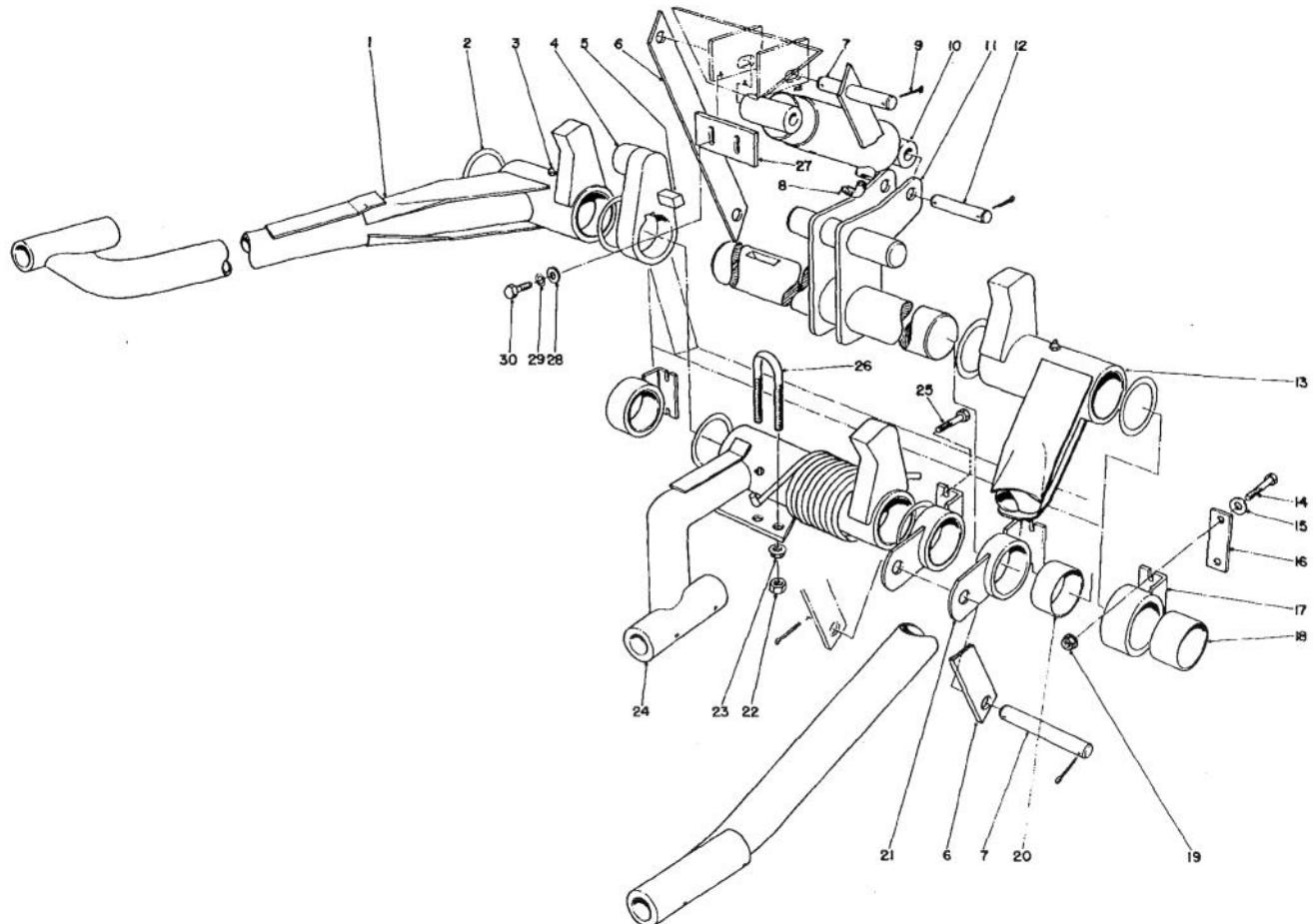
†Items only available in Seal Repair Kit #33-5090

‡Items only available in Seal Repair Kit #33-5110



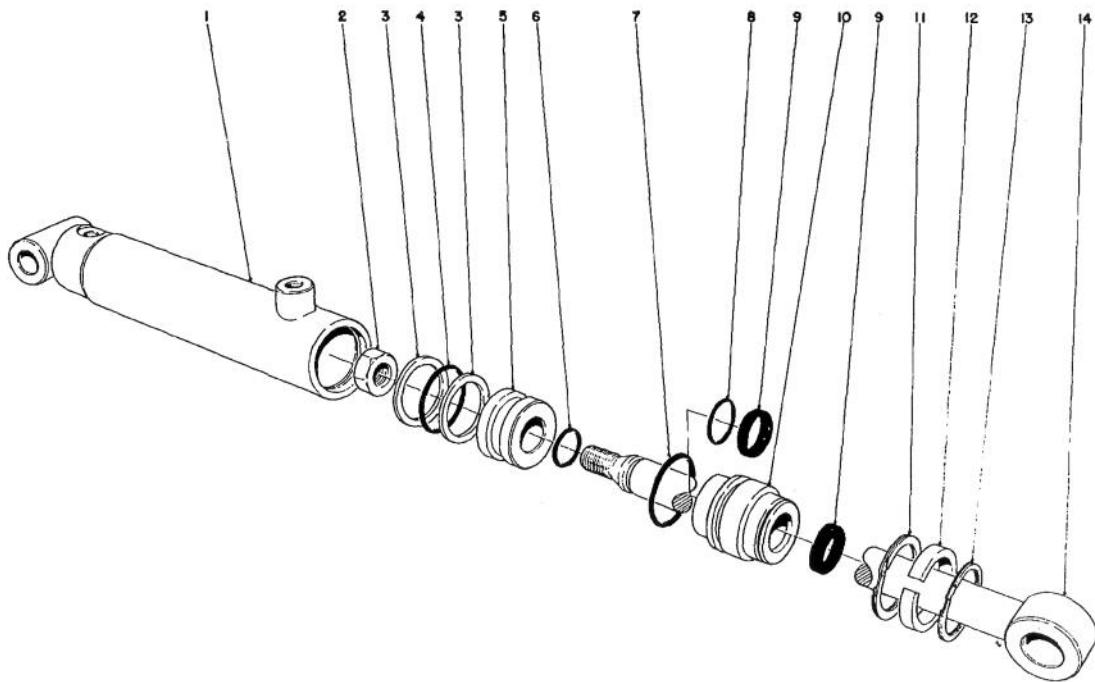
COUNTERBALANCE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|----------|----------|--|----------|
| 1 | 29-5140 | Bracket Counterbalance | 2 | 10 | 29-5060 | Rod — Transfer | 2 |
| 2 | 20-9420 | Spring Compression | 2 | 11 | 3272-22 | Cotter Pin | 4 |
| 3 | 29-5100 | Arm Counterbalance L.H. (Incl. Ref. #13 and 17) | 1 | 12 | 29-5090 | Arm Counterbalance R.H. (Incl. Ref. #13 and 17) | 1 |
| 4 | 3296-23 | Nut | 2 | 13 | 256-261 | Bushing | 4 |
| 5 | 21-1790 | Washer | 2 | 14 | 29-2770 | Washer Thrust | 4 |
| 6 | 36-4920 | Wear Plate | 1 | 15 | 29-5160 | Pin Pivot | 2 |
| 7 | 325-10 | Capscrew | 2 | 16 | 3272-24 | Cotter Pin | 4 |
| 8 | 3220-7 | Jam Nut | 4 | 17 | 302-5 | Grease Fitting | 2 |
| 9 | 29-5170 | Pin Counterbalance | 2 | | | | |



PUSH ARM ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------------------|----------|----------|----------|---|----------|
| 1 | 29-2530 | R.H. Push Arm (Incl. Ref. #18) | 1 | 16 | 29-8980 | Spacer | 4 |
| 2 | 29-2710 | Washer - Thrust | A/R | 17 | 29-2570 | Bracket Pivot | 2 |
| 3 | 302-5 | Grease Fitting | 3 | 18 | 29-2520 | Bushing | 8 |
| 4 | 29-2610 | Lift Arm | 1 | 19 | 32128-29 | Flange Locknut | 8 |
| 5 | 29-2600 | Key | 1 | 20 | 29-3260 | Bushing | 2 |
| 6 | 29-2660 | Support - Lift Cylinder | 2 | 21 | 29-3240 | Bracket - Pivot Tube Center (Incl. Ref. #20) | 2 |
| 7 | 29-2680 | Pin Lift Cylinder Top | 2 | 22 | 3217-7 | Nut | 2 |
| 8 | 11-9800 | 90° Fitting | 2 | 23 | 32128-18 | Flange Locknut | 2 |
| 9 | 3272-22 | Cotter Pin | 6 | 24 | 29-2470 | Center Push Arm (Incl. Ref. #18) | 1 |
| 10 | 29-2700 | Cylinder | 1 | 25 | 323-13 | Capscrew | 2 |
| 11 | 29-2730 | Lift Shaft | 1 | 26 | 29-2720 | U-Bolt | 1 |
| 12 | 29-2670 | Pin Lift Cylinder Lower | 1 | 27 | 36-4910 | Plate, Adj. | 1 |
| 13 | 29-2780 | L.H. Push Arm (Incl. Ref. #18) | 1 | 28 | 3256-24 | Flat Washer | 2 |
| 14 | 323-14 | Capscrew | 6 | 29 | 3253-21 | Lockwasher | 2 |
| 15 | 29-8950 | Washer | 8 | 30 | 323-4 | Capscrew | 2 |



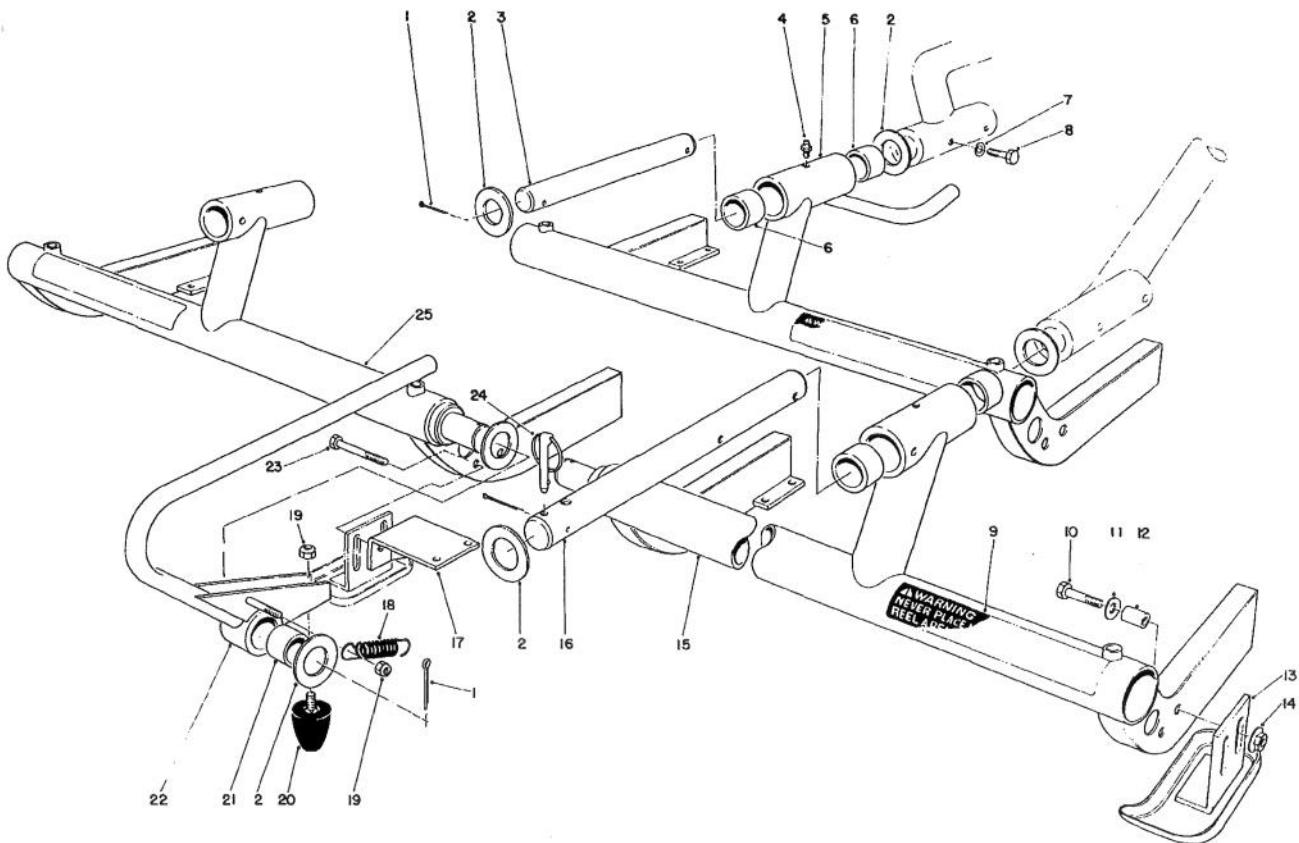
HYDRAULIC CYLINDER NO. 29-2700

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|---------------|----------|
| 1 | 33-3610 | Tube Assembly | 1 |
| 2 | 3219-7 | Full Nut | 1 |
| 3† | | Washer Backup | 2 |
| 4† | | O-Ring Piston | 1 |
| 5 | 33-3630 | Piston | 1 |
| 6† | | O-Ring Rod | 1 |
| 7† | | O-Ring Head | 1 |
| 8† | | O-Ring Seal | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|---|----------|
| 9† | | Rod Wiper | 2 |
| 10 | 33-3680 | Head Assembly | 1 |
| 11† | | Lock Ring Head | 1 |
| 12 | 33-3650 | Spacer | 1 |
| 13 | 32151-53 | Lock Ring | 1 |
| 14 | 33-3670 | Rod Assembly | 1 |
| *† | 33-3620 | Seal Repair Kit (Incl. Ref. #3-4, 6-9 & 11) | 1 |

*Not Illustrated

24 †Items only available in Seal Repair Kit No. 33-3620

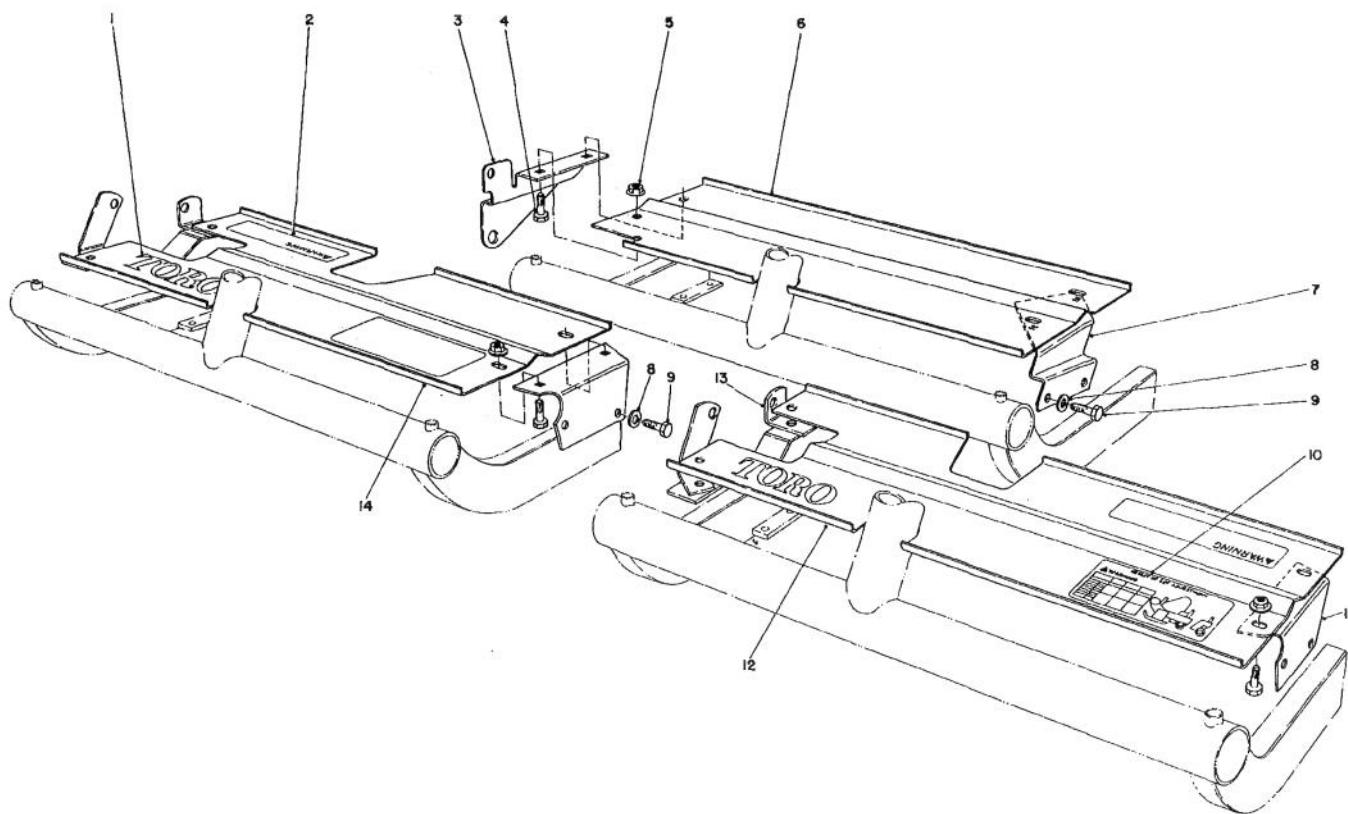


CARRIER FRAME AND EXTENSION ROD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 1 | 3272-50 | Cotter Pin | 5 |
| 2 | 29-2770 | Washer Thrust | 10 |
| 3 | 29-3150 | Shaft Center Pivot | 1 |
| 4 | 302-5 | Grease Fitting | 3 |
| 5 | 36-5510 | Cutting Unit Carrier Frame #1 (Incl. Ref. 4 and 6) | 1 |
| 6 | 256-261 | Bushing | 6 |
| 7 | 3253-7 | Lockwasher | 6 |
| 8 | 325-5 | Capscrew | 6 |
| 9 | 27-2890 | Warning Decal | 3 |
| 10 | 323-9 | Capscrew | 8 |
| 11 | 3256-24 | Washer | 9 |
| 12 | 29-3200 | Spacer | 12 |
| 13 | 29-3170 | Skid | 6 |
| 14 | 3290-357 | Flange Nut | 12 |

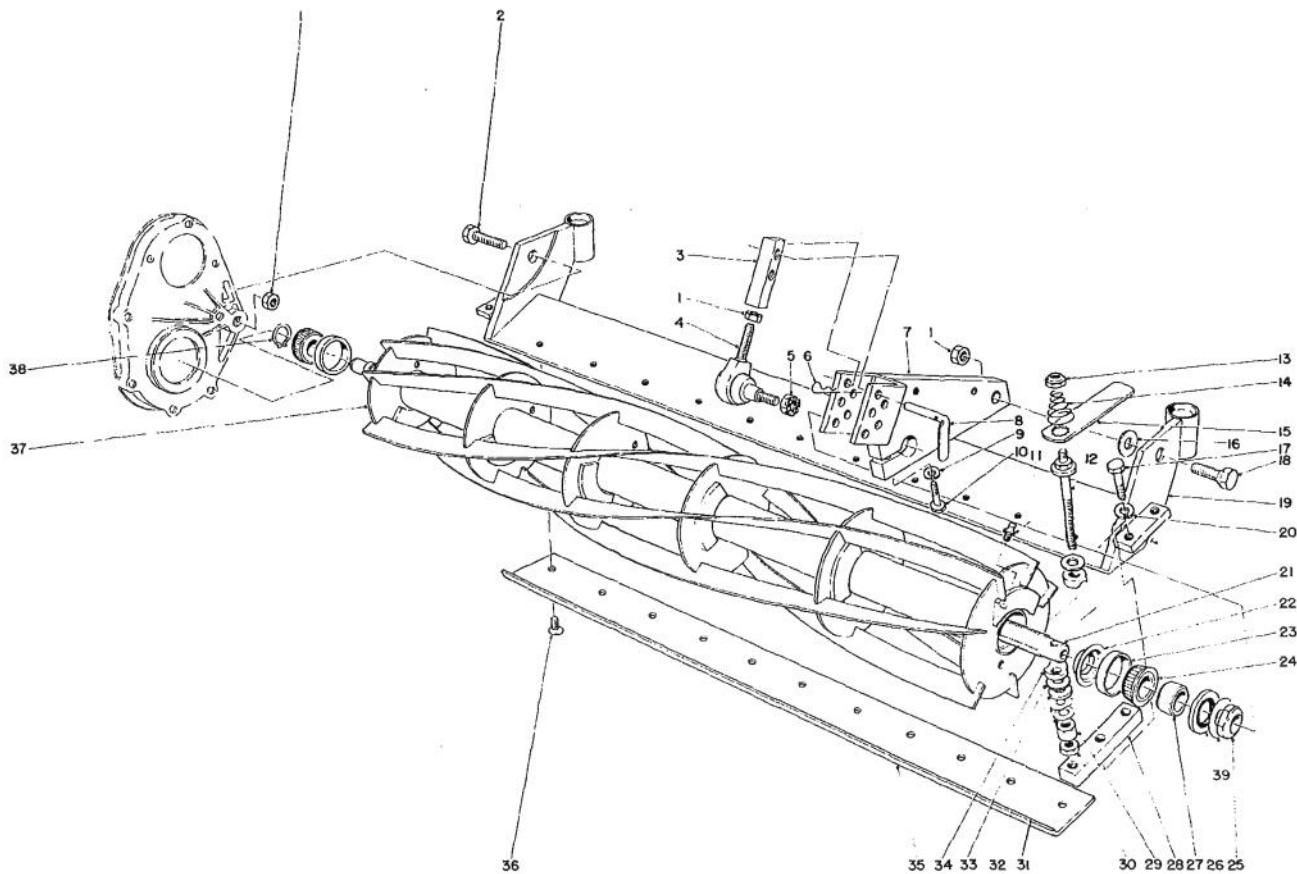
| Ref. No. | Part No. | Description | No. Used |
|----------|----------|---|----------|
| 15 | 36-5520 | Cutting Unit Carrier Frame #2 (Incl. Ref. 4 and 6) | 1 |
| 16 | 36-5100 | Shaft Front Pivot | 2 |
| 17 | 36-5430 | Bumper Bracket | 2 |
| 18 | 36-5590 | Extension Spring | 2 |
| 19 | 3296-39 | Locknut | 4 |
| 20 | 26-0070 | Rubber Snubber | 2 |
| 21 | 256-126 | Bushing | 2 |
| 22 | 36-5470 | Tipper Bar R.H. (Incl. Ref. #21) | 1 |
| * | 36-5480 | Tipper Bar L.H. (Incl. Ref. #21) | 1 |
| 23 | 323-10 | Capscrew | 4 |
| 24 | 36-5110 | Ball - Lok Pin | 2 |
| 25 | 36-5530 | Cutting Unit Carrier Frame #3 (Incl. Ref. #4 and 6) | 1 |

*Not Illustrated



GRASS SHIELD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------------------|----------|----------|----------|----------------------------|----------|
| 1 | 20-4690 | Decal - Toro | 2 | 8 | 3253-24 | Lockwasher | 6 |
| 2 | 27-2890 | Decal - Warning | 2 | 9 | 322-2 | Capscrew | 6 |
| 3 | 29-2650 | Bracket - Center Shield | 1 | 10 | 29-8740 | Decal - Height of Cut | 2 |
| 4 | 322-3 | Capscrew | 12 | 11 | 29-2990 | Bracket - Grass Shield | 2 |
| 5 | 32128-13 | Flanged Locknut | 12 | 12 | 29-2940 | Grass Shield - Left Front | 1 |
| 6 | 29-2920 | Grass Shield Center | 1 | 13 | 29-2950 | Bracket Grass Shield | 2 |
| 7 | 29-2890 | Bracket - Grass Shield | 1 | 14 | 29-2930 | Grass Shield - Right Front | 1 |



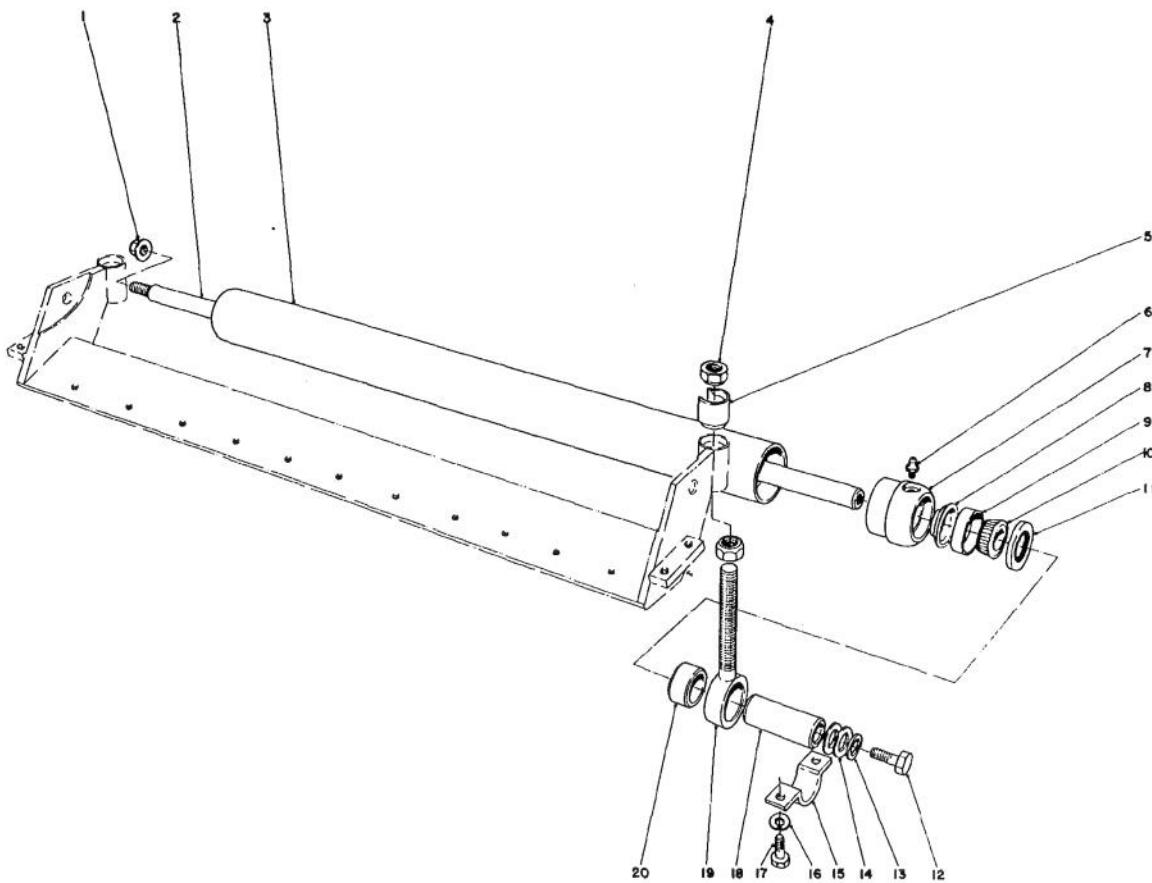
REEL AND BED BAR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------|----------|
| 1 | 3220-5 | Jam Nut | 3 |
| 2 | 29-3720 | Taper Bolt | 1 |
| 3 | 29-3770 | Bar Height of Cut | 1 |
| 4 | 21-0140 | Socket Assembly R.H. | 1 |
| 5 | 32136-4 | Slotted Nut | 1 |
| 6 | 3290-255 | Hair Pin Cotter | 1 |
| 7 | 29-3680 | Reel Side Plate | 1 |
| 8 | 29-3780 | Pin Height of Cut | 1 |
| 9 | 3253-24 | Lockwasher | 1 |
| 10 | 322-6 | Capscrew | 1 |
| 11 | 302-5 | Grease Fitting | 1 |
| 12 | 29-3950 | Screw Reel Adjustment | 2 |
| 13 | 3296-5 | Locknut | 2 |
| 14 | 29-3960 | Spring - Conical | 2 |
| 15 | 29-3980 | Wrench - Reel Adjustment | 2 |
| 16 | 29-3990 | Washer | 1 |
| 17 | 323-7 | Capscrew | 4 |
| 18 | 29-3730 | Taper Bolt L.H. | 1 |
| 19 | 29-3630 | Bed Bar | 1 |
| 20 | 3253-21 | Lockwasher | 4 |
| 21 | 29-3420 | Reel Shaft | 1 |
| 22 | 29-3440 | Grease Retainer | 1 |
| 23 | 254-79 | Bearing Cup | 2 |
| 24 | 254-78 | Bearing Cone | 2 |
| 25 | 3296-15 | Locknut | 1 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|---|----------|
| 26 | 253-117 | Seal | 1 |
| 27 | 5-4038 | Wear Sleeve | 1 |
| 28 | 29-3920 | Block - Reel Adjustment | 2 |
| 29 | 3219-3 | Nut | 2 |
| 30 | 3220-3 | Jam Nut | 2 |
| 31 | 3290-414 | Washer - Belleville | 4 |
| 32 | 29-3910 | Washer Thrust | 2 |
| 33 | 251-273 | Bearing - Thrust | 4 |
| 34 | 29-3930 | Washer - Thrust | 4 |
| 35 | 29-4020 | Bedknife | 1 |
| 36 | 3-6462 | Screw Special | 11 |
| 37 | 33-5040 | Complete Reel Assembly (Incl. Ref. #11, 21-27, 38) | 1 |
| 38 | 32120-93 | Retaining Ring | 1 |
| 39 | 37-0230 | Seal Protecting Washer | 1 |
| * | 36-3060 | Remote Backlapping Kit | 1 |
| * | 29-9100 | Handle Assembly (Incl. the following) | 1 |
| * | 36-4310 | Brush | 1 |
| * | 29-9090 | Hose Handle | 1 |
| * | 12-9140 | Decal | 1 |
| * | 29-9080 | Handle | 1 |
| * | 2410-18 | Plug | 1 |

*Not Illustrated

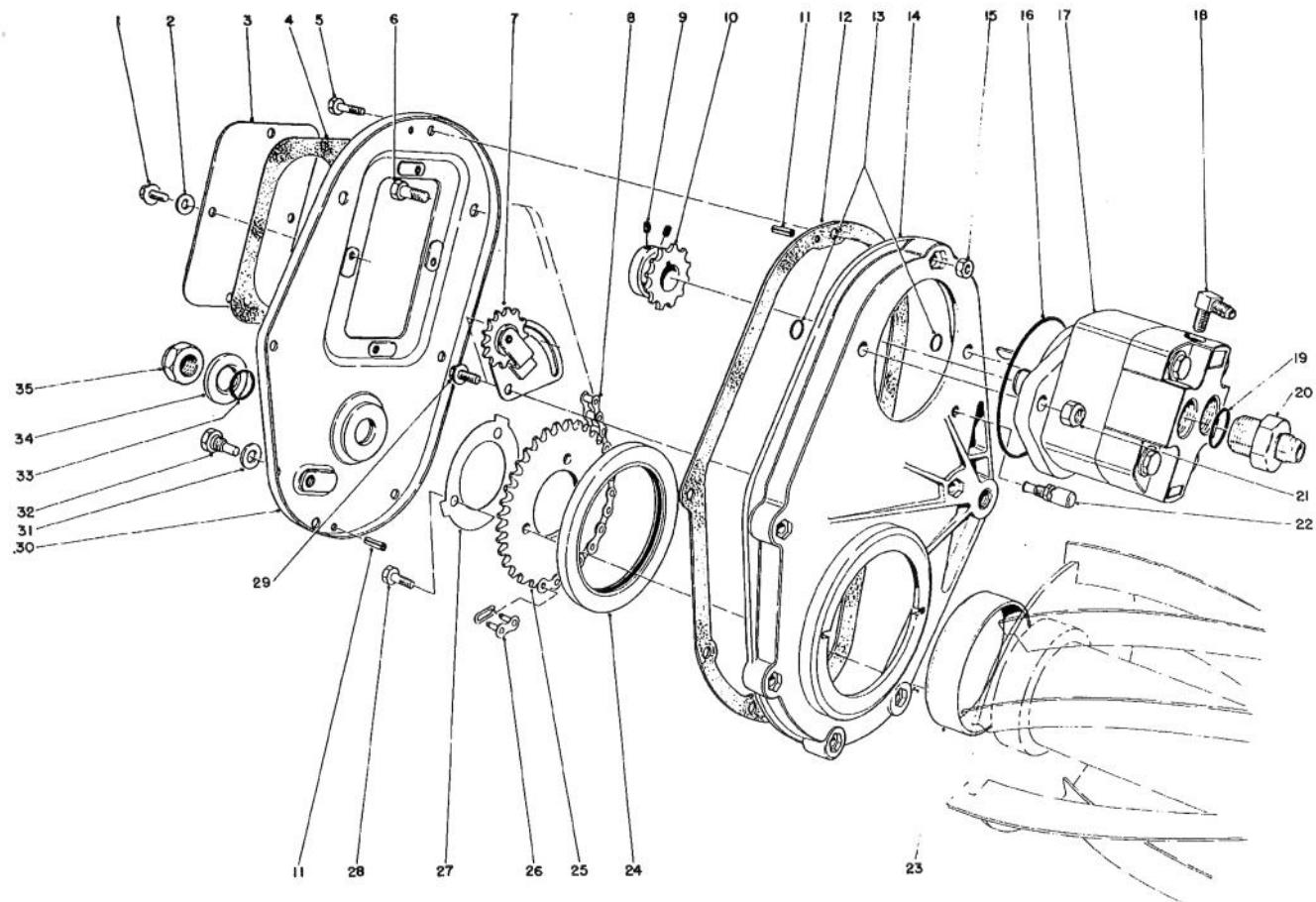
Note: Quantities indicated are for one Cutting Unit.



ROLLER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|---|----------|----------|----------|--------------------------|----------|
| 1 | 32128-15 | Flange Nut | 1 | 11 | 253-117 | Seal | 2 |
| 2 | 29-3850 | Roller Shaft | 1 | 12 | 3213-20 | Capscrew | 1 |
| 3 | 29-3800 | Roller Assembly (Incl. Ref. # 1-3, 6-14 & 18) | 1 | 13 | 3253-7 | Lockwasher | 1 |
| 4 | 217-104 | Taper Nut | 4 | 14 | 3256-26 | Washer | 2 |
| 5 | 29-3790 | Spacer Height of Cut | 2 | 15 | 29-3940 | Clamp Roller | 2 |
| 6 | 302-5 | Grease Fitting | 2 | 16 | 3253-21 | Lockwasher | 4 |
| 7 | 5-4035 | End Cap — Roller | 2 | 17 | 323-6 | Capscrew | 4 |
| 8 | 29-3440 | Retainer Grease | 2 | 18 | 29-3900 | Wear Sleeve Roller | 2 |
| 9 | 254-79 | Bearing Cup | 2 | 19 | 6-9669 | Rod End (Incl. Ref. #20) | 2 |
| 10 | 254-78 | Bearing Cone | 2 | 20 | 29-3880 | Roller Bushing Assembly | 2 |

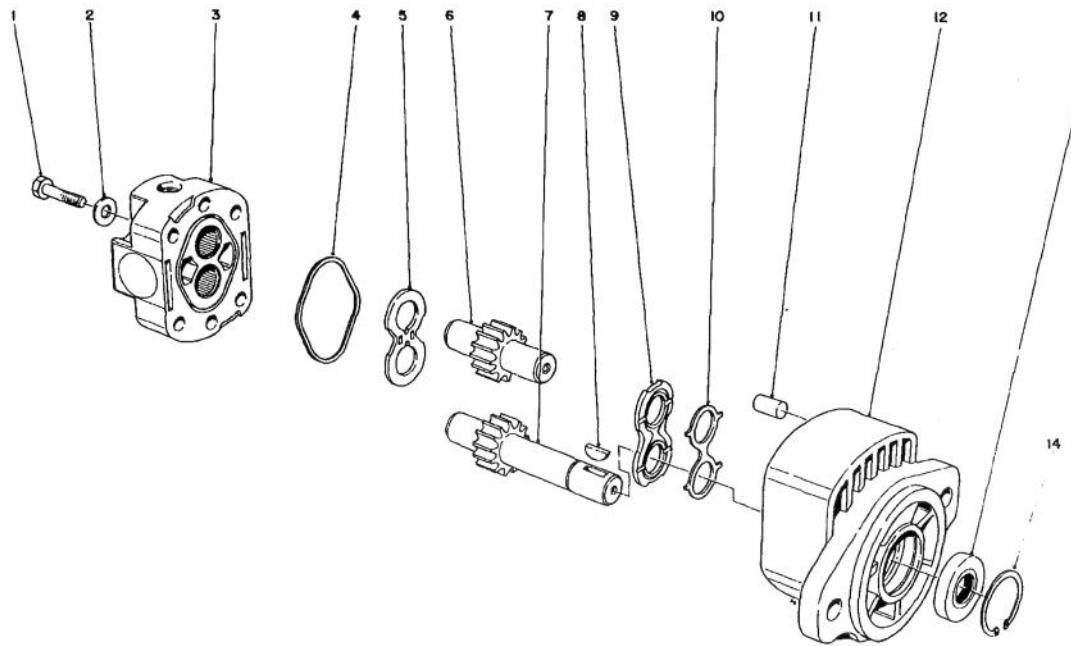
Note: Quantities indicated are for one Roller Assembly.



CHAIN CASE AND GEAR MOTOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------------------------|----------|----------|----------|--------------------|----------|
| 1 | 3234-13 | Flange Screw | 4 | 19 | 237-81 | O-Ring | 2 |
| 2 | 29-3970 | Washer Polyethylene | 4 | 20 | 353-620 | Straight Fitting | 2 |
| 3 | 29-3600 | Inspection Cover | 1 | 21 | 3296-39 | Locknut | 2 |
| 4 | 29-3590 | Gasket - Inspection Cover | 1 | 22 | 302-54 | Relief Fitting | 1 |
| 5 | 321-13 | Capscrew | 6 | 23 | 29-3710 | Wear Ring | 1 |
| 6 | 323-11 | Capscrew | 2 | 24 | 253-141 | Seal | 1 |
| 7 | 29-3500 | Idler Assembly | 1 | 25 | 29-3470 | Sprocket Driven | 1 |
| 8 | 29-3490 | Roller Chain (Incl. Ref. #26) | 1 | 26 | 2710-31 | Connecting Link | 1 |
| 9 | 3245-32 | Set Screw | 2 | 27 | 29-3480 | Locking Clip | 1 |
| 10 | 29-3760 | Sprocket | 1 | 28 | 321-35 | Capscrew | 3 |
| 11 | 32121-2 | Roll Pin | 2 | 29 | 3234-14 | Flange Screw | 2 |
| 12 | 29-3580 | Gasket Chain Case | 1 | 30 | 29-3550 | Cover - Chain Case | 1 |
| 13 | 237-22 | O-Ring | 2 | 31 | 29-4990 | Sealing Washer | 1 |
| 14 | 33-1550 | Chain Case | 1 | 32 | 29-4030 | Plug Fill | 1 |
| 15 | 32153-4 | Locknut | 6 | 33 | 237-58 | O-Ring | 1 |
| 16 | 237-99 | O-Ring | 1 | 34 | 29-3610 | Washer O-Ring | 1 |
| 17 | 29-2690 | Hydraulic Motor | 1 | 35 | 3296-15 | Locknut | 1 |
| 18 | 353-622 | 90° Fitting | 1 | | | | |

Note: Quantities indicated are for one Chain Case Assembly.

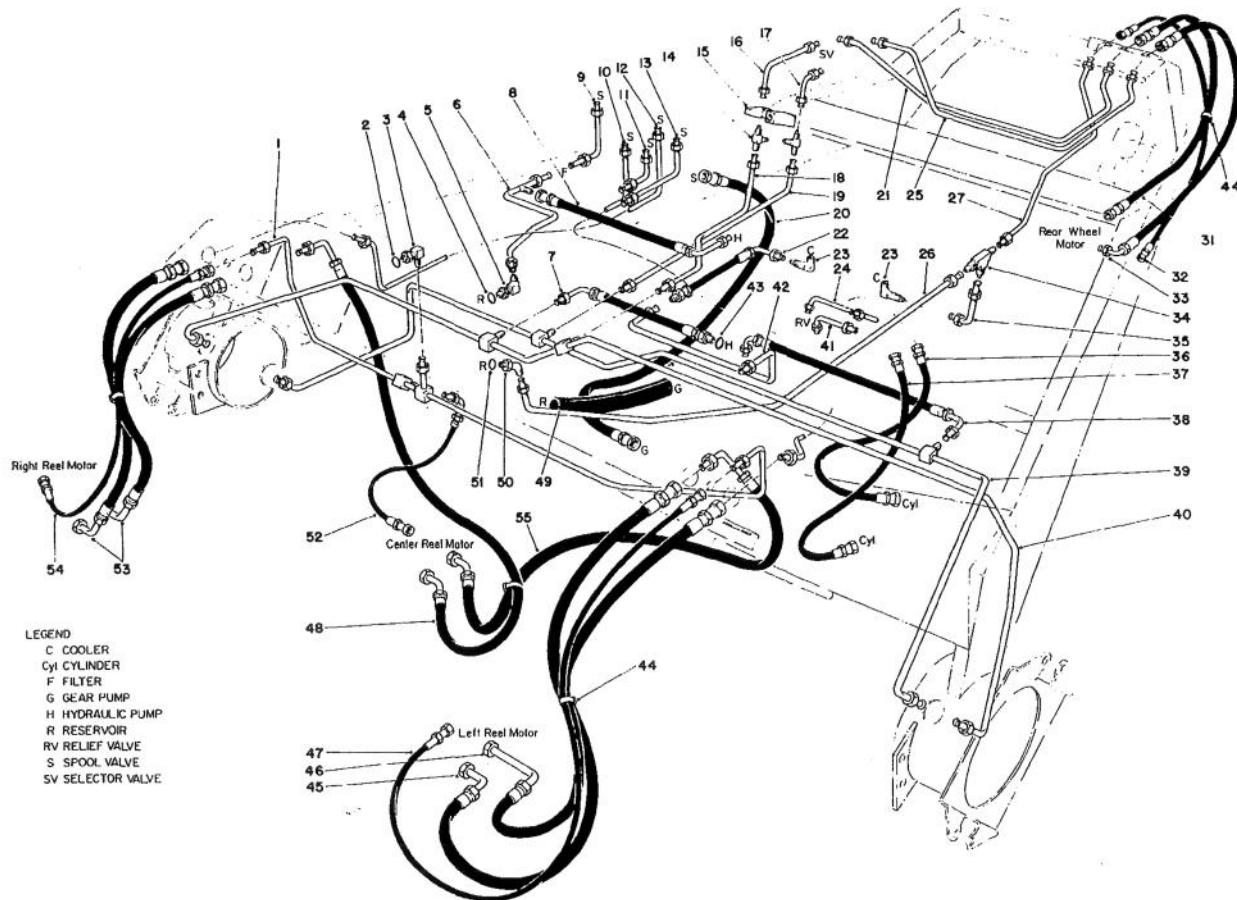


GEAR MOTOR NO. 29-2690

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------------------|----------|----------|----------|--|----------|
| 1 | 323-9 | Capscrew | 4 | 8 | 3257-3 | Woodruff Key | 1 |
| 2 | 33-1490 | Washer | 4 | 9 | 33-1160 | Wear Plate | 1 |
| 3 | 33-1250 | Cover Assembly Rear Port | 1 | 10† | | Pressure Loading Seal | 1 |
| 4† | | Gasket Seal | 1 | 11 | 33-1180 | Dowel Pin | 2 |
| 5 | 33-1130 | Thrust Plate | 1 | 12 | 33-1230 | Body Assembly | 1 |
| 6 | 33-1210 | Driven Gear | 1 | 13† | | Shaft Seal | 1 |
| 7 | 33-1220 | Drive Gear | 1 | 14 | 32151-34 | Retaining Ring | 1 |
| | | | | * | 33-5100 | Seal Repair Kit (Incl. Ref. #4, 8, 10, 13) | 1 |

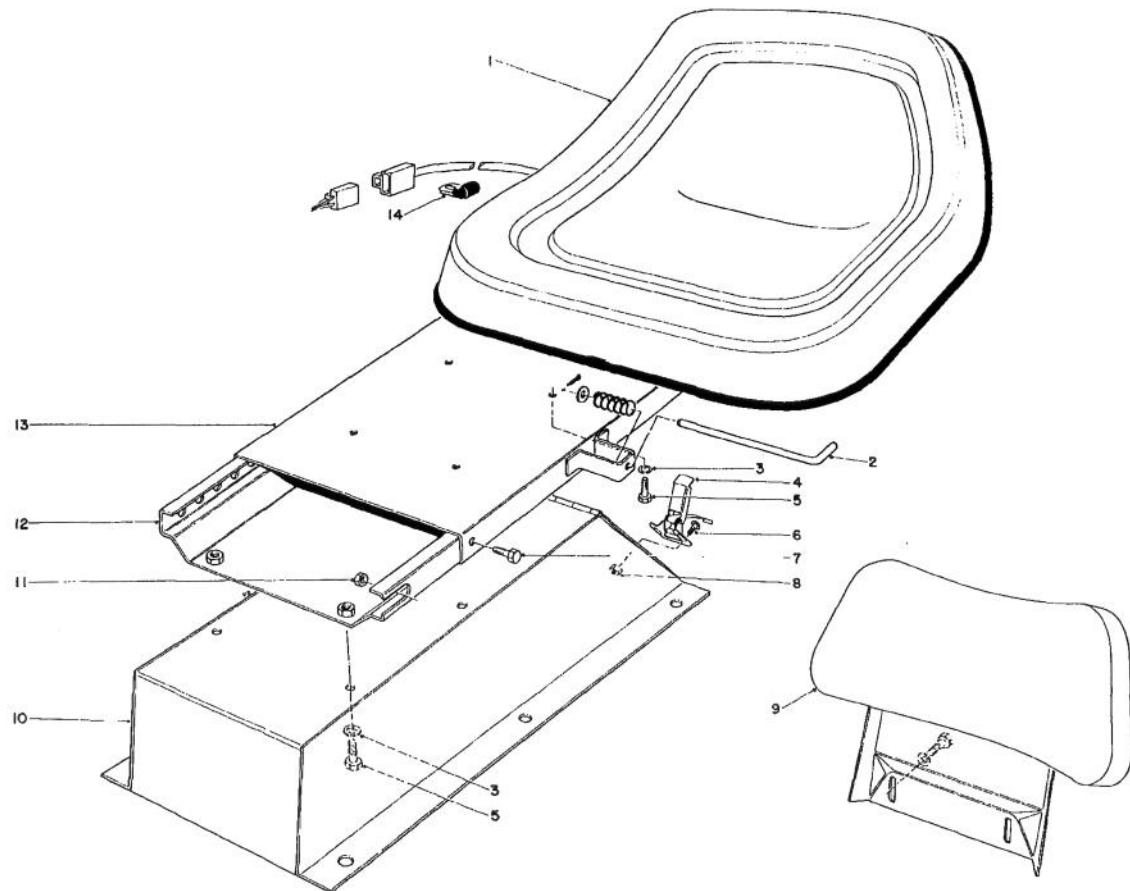
*Not Illustrated

†Items only available in Seal Repair Kit No. 33-5100
30 Note: Quantities indicated are for one Gear Motor Assembly.



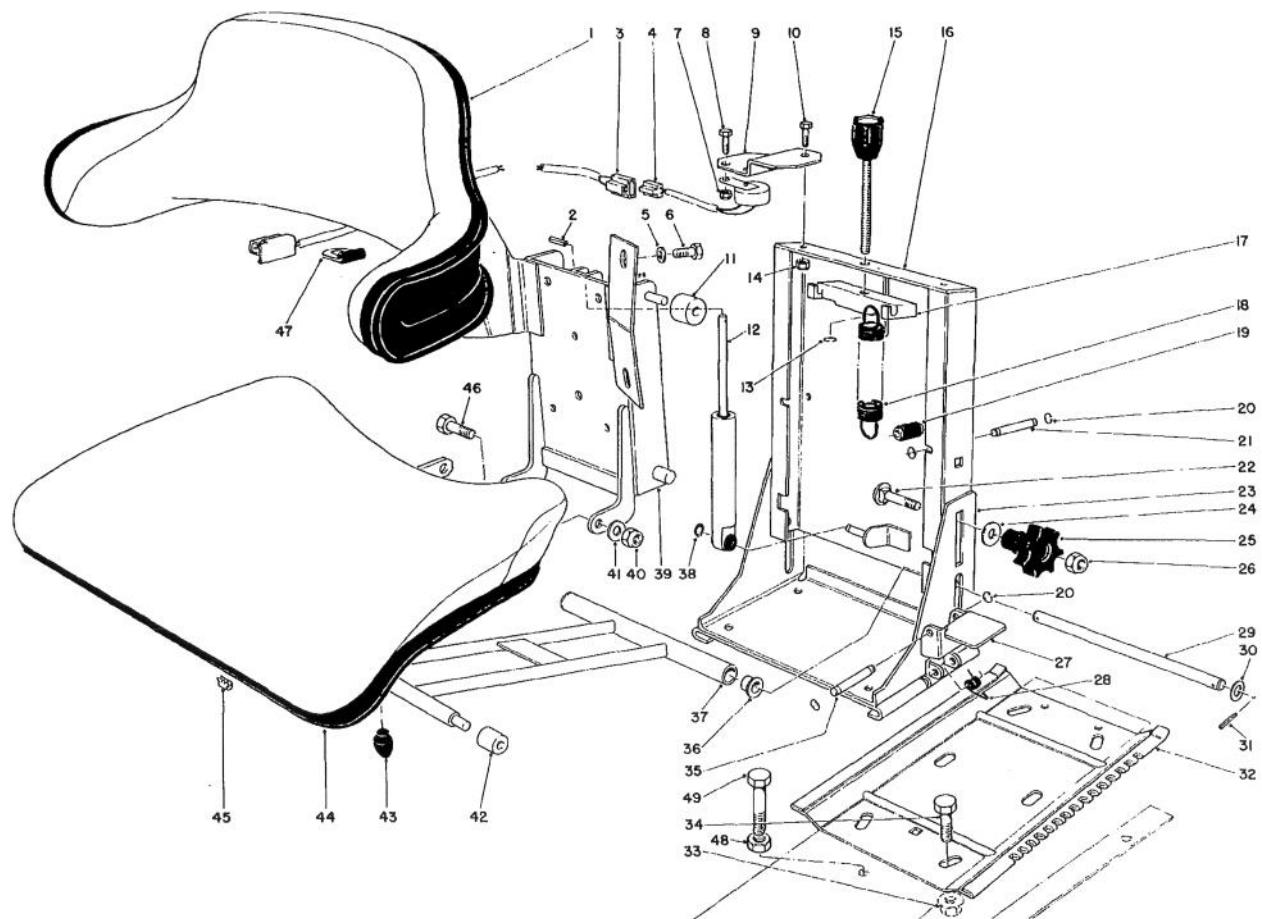
HYDRAULIC SCHEMATIC

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|----------|----------|------------------------------------|----------|
| 1 | 29-1960 | Manifold Drain | 1 | 26 | 29-1940 | Tube — Cooler to Tank | 1 |
| 2 | 237-78 | "O"-Ring | 1 | 27 | 29-1930 | Tube — Rear Motor to Return | 1 |
| 3 | 353-375 | 90° Fitting | 1 | 31 | 29-1660 | Hose — Rear Wheel | 1 |
| 4 | 237-81 | "O"-Ring | 1 | 32 | 29-1600 | Hose — Drain Rear Wheel | 1 |
| 5 | 353-621 | 45° Fitting | 1 | 33 | 29-1670 | Hose — Rear Wheel | 1 |
| 6 | 29-3250 | Tube — Filter to Tank | 1 | 34 | 29-1570 | Tee | 1 |
| 7 | 29-1630 | Hose — Outlet | 1 | 35 | 29-1830 | Tube — Cooler to Return | 1 |
| 8 | 29-1590 | Hose — Filter to Charge Inlet | 1 | 36 | 29-1690 | Hose — Lift Cylinder Rear | 1 |
| 9 | 29-1760 | Tube — Valve to Filter | 1 | 37 | 29-1680 | Hose — Lift Cylinder Front | 1 |
| 10 | 29-1920 | Tube Spool to Right Front Cutting Unit | 1 | 38 | 29-1740 | Hose Outlet | 1 |
| 11 | 29-1820 | Tube Spool to Relief — Front | 1 | 39 | 29-1870 | Manifold — Pressure | 1 |
| 12 | 29-1910 | Tube to Left Front Cutting Unit | 1 | 40 | 29-1880 | Manifold — Return | 1 |
| 13 | 29-1810 | Tube Spool to Relief Rear | 1 | 41 | 29-1850 | Tube — Relief to Lockvalve | 1 |
| 14 | 353-623 | Tee | 2 | 42 | 29-1950 | Tube — Case Drain to Cooler | 1 |
| 15 | 29-1470 | Needle Valve | 1 | 43 | 237-80 | "O" Ring | 1 |
| 16 | 29-1780 | Tube — Selector Valve to Tow Return | 1 | 44 | 3290-378 | Cable Tie | A/R |
| 17 | 29-1770 | Tube — Selector Valve to Tow Pressure | 1 | 45 | 29-2860 | Hose Left Front Cutting Unit | |
| 18 | 29-1860 | Tube — Tow to Return Manifold | 1 | 46 | 29-2870 | Hose Left Front Cutting Unit | |
| 19 | 29-1790 | Tube — Tow to Pressure Manifold | 1 | 47 | 29-2880 | Hose Left Front Cutting Unit Drain | |
| 20 | 36-4940 | Hose — Pump to Valve | 1 | 48 | 29-1750 | Hose Center Cutting Unit | 1 |
| 21 | 29-1900 | Tube Selector Valve to Rear Return | 1 | 49 | 29-1640 | Hose — Suction | 1 |
| 22 | 29-1650 | Hose — Case Drain to Cooler | 1 | 50 | 353-212 | 45° Fitting | 1 |
| 23 | 353-428 | 90° Fitting | 2 | 51 | 237-42 | "O" Ring | 1 |
| 24 | 29-1800 | Tube — Relief to Lockvalve | 1 | 52 | 29-1720 | Hose — Center Cutting Unit Return | 1 |
| 25 | 29-1890 | Tube Selector Valve to Rear Pressure | 1 | 53 | 29-1700 | Hose — Front Cutting Unit | 2 |
| | | | | 54 | 29-1710 | Hose — Front Cutting Unit Drain | 1 |
| | | | | 55 | 36-3150 | Pressure Hose | 1 |



STANDARD SEAT WITH BACKREST KIT NO. 03552 (Optional)

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------|----------|----------|----------|----------------------|----------|
| 1 | 29-2360 | Seat Assembly | 1 | 8 | 3296-2 | Locknut | 2 |
| 2 | 351-52 | Plunger Assembly | 1 | 9 | 29-8760 | Backrest | 1 |
| 3 | 3253-4 | Lockwasher | 10 | 10 | 29-2310 | Tool Box | 1 |
| 4 | 249-21 | Latch | 1 | 11 | 3218-1 | Nut | 2 |
| 5 | 322-3 | Capscrew | 10 | 12 | 351-36 | Lower Slide Assembly | 1 |
| 6 | 32140-43 | Machine Screw | 2 | 13 | 351-53 | Upper Slide Assembly | 1 |
| 7 | 321-2 | Capscrew | 2 | 14 | 18-2970 | Clip | 2 |



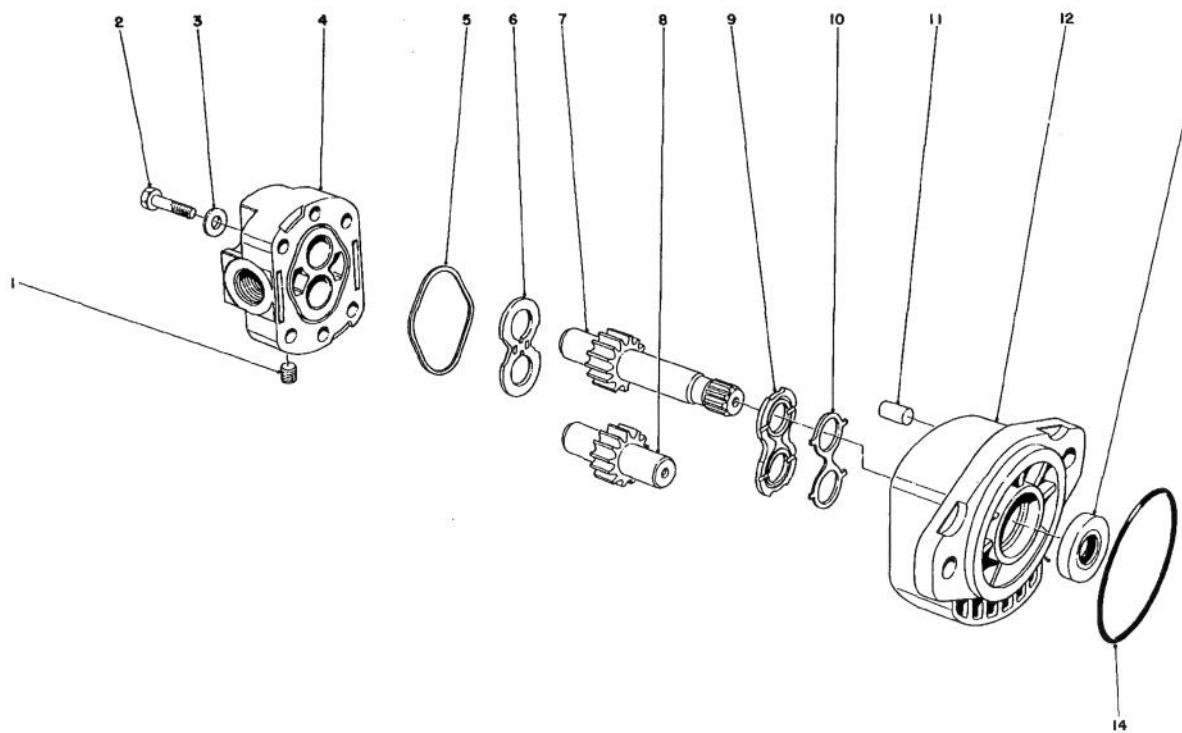
SUSPENSION SEAT KIT MODEL NO. 03542 (Optional)

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------------------|----------|
| 1 | 107950 | Back Rest | 1 |
| 2 | 102953 | Roll Pin | 1 |
| 3† | 29-8690 | Wire Assembly - Seat Switch | 1 |
| 4† | 29-1540 | Safety Switch | 1 |
| 5 | 200044 | Washer | 4 |
| 6 | 200304 | Capscrew | 4 |
| 7† | 3296-2 | Locknut | 1 |
| 8† | 3290-134 | Hex Hd. Machine Screw | 1 |
| 9† | 29-8680 | Bracket - Switch Mounting | |
| | | Seat | 1 |
| 10† | 321-2 | Capscrew | 1 |
| 11 | 200014 | Roller | 2 |
| 12 | 101968 | Shock Absorber | 1 |
| 13 | 104493 | Retaining Ring | 1 |
| 14† | 3296-42 | Locknut | 1 |
| 15 | 102295 | Adjusting Knob | 1 |
| 16 | 104624 | Spring Housing | 1 |
| 17 | 101625 | Spring Retainer | 1 |
| 18 | 102463 | Spring Tension | 2 |
| 19 | 106868 | Roller | 2 |
| 20 | 200796 | Retaining Ring | 6 |
| 21 | 106867 | Pin | 2 |
| 22 | 106601 | Carriage Bolt | 2 |
| 23 | 104620 | Base Height Adjustment | 1 |
| 24 | 104195 | Washer | 2 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|------------------------|----------|
| 25 | 105238 | Knob | 2 |
| 26 | 200470 | Nut | 2 |
| 27 | 104548 | Adjustment Lever | 1 |
| 28 | 104458 | Spring Torsion | 1 |
| 29 | 105404 | Pin | 1 |
| 30 | 200427 | Washer | 2 |
| 31 | 200206 | Roll Pin | 2 |
| 32 | 102165 | Slide Adjustment Plate | 1 |
| 33† | 32128-29 | Flange Locknut | 4 |
| 34† | 323-4 | Capscrew | 4 |
| 35 | 102527 | Pin | 1 |
| 36 | 200008 | Bushing | 2 |
| 37 | 104621 | Arm Assembly | 1 |
| 38 | 200430 | Retaining Ring | 1 |
| 39 | 104622 | Carrier Adjustment | 1 |
| 40 | 200264 | Nut | 2 |
| 41 | 200283 | Washer | 2 |
| 42 | 200029 | Roller | 2 |
| 43 | 200072 | Bumper | 1 |
| 44 | 102970 | Seat Cushion | 1 |
| 45 | 106299 | Clamps Outside | 16 |
| 46 | 200603 | Capscrew | 2 |
| 47† | 18-2970 | Clip | 3 |
| 48† | 3217-7 | Nut | 1 |
| 49† | 323-8 | Capscrew | 1 |

†Obtain from your local Toro Distributor.

Note: Parts not noted by † obtain from Panzer Corporation, Int'l. P.O. Box 9536 Minneapolis, Minn. 55440
or Grammer D 8450 Amberg/Opf, Postfach 224 West-Germany, Telefon 09621/82091 Telex 0631222.



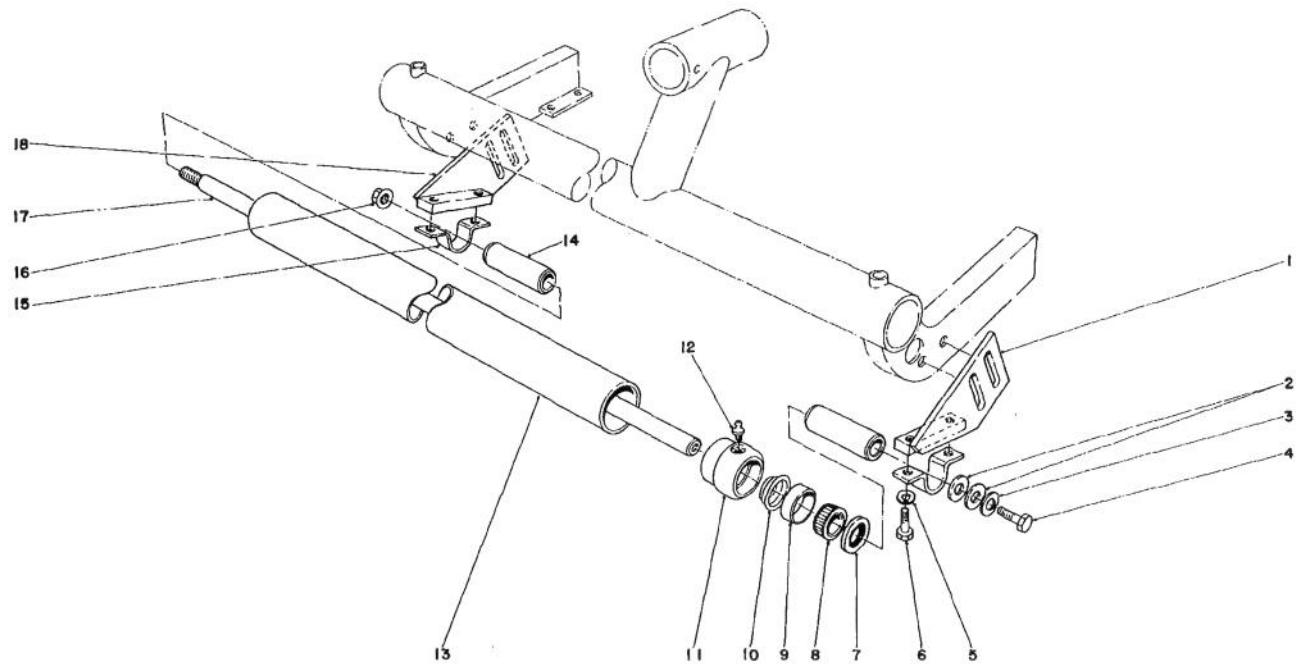
CLIP KIT NO. 36-5900

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|----------|-----------------|----------|----------|----------|--|----------|
| 1 | 281-1 | Pipe Plug | 1 | 9 | 33-1160 | Wear Plate | 1 |
| 2 | 323-9 | Capscrew | 4 | 10† | | Pressure Loading Seal | 1 |
| 3 | 33-1490 | Washer | 4 | 11 | 33-1180 | Dowel Pin | 2 |
| 4 | 33-1110 | Cover Side Port | 1 | 12 | 36-4880 | Body | 1 |
| 5† | | Gasket Seal | 1 | 13† | | Shaft Seal | 1 |
| 6 | 33-1130 | Thrust Plate | 1 | 14 | 237-99 | "O"-Ring | 1 |
| 7 | 36-4890 | Drive Gear | 1 | * | 33-4910 | Seal Repair Kit (Incl. Item 5, 10 and 13) | |
| 8 | 36-4900 | Driven Gear | 1 | | | | |

*Not Illustrated

†Item only available in Seal Repair Kit 33-4910

34 Note: Quantities indicated are for one Gear Motor Assembly.

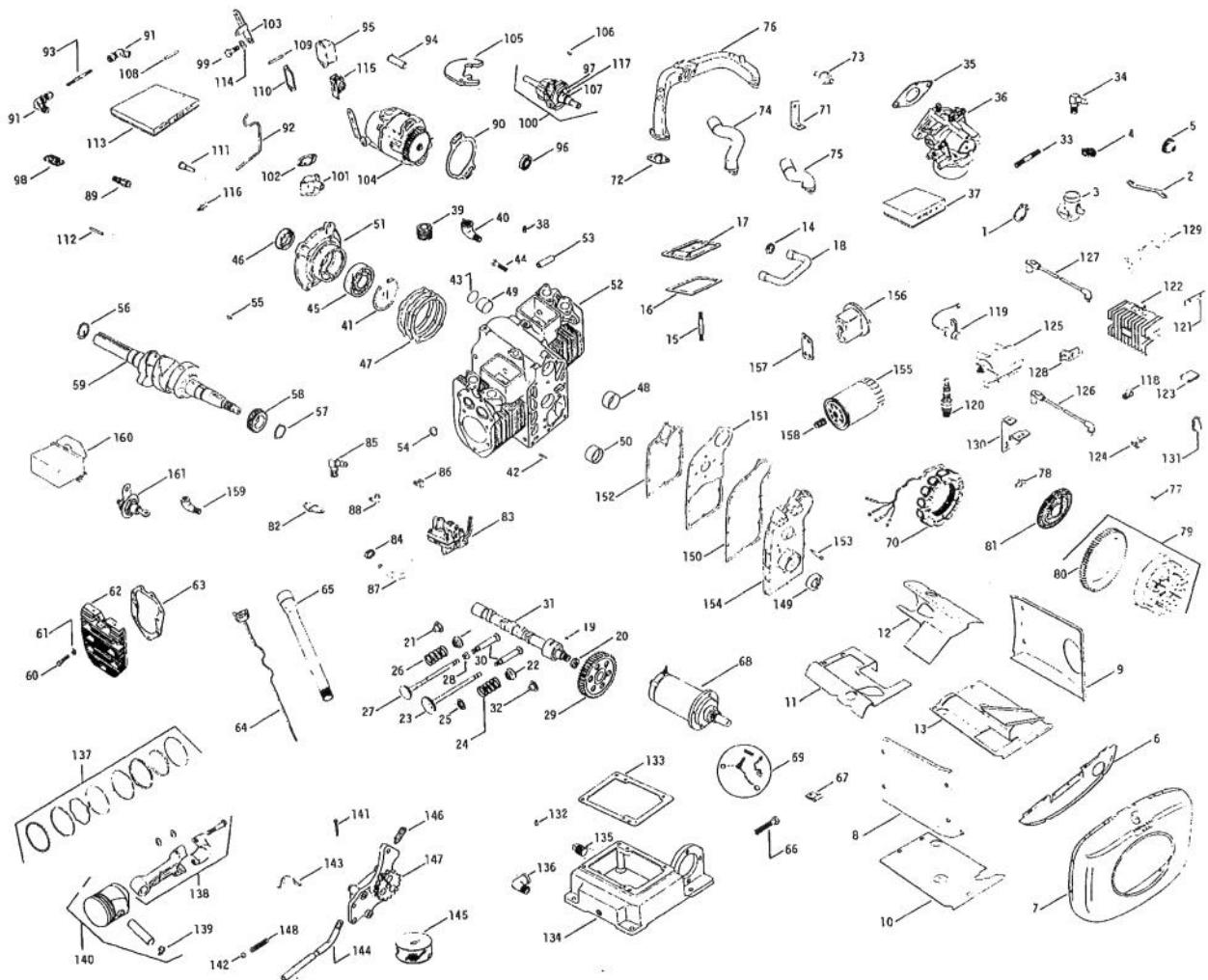


FRONT ROLLER KIT NO. 03580

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--------------|----------|
| 1 | 36-4970 | Bracket L.H. | 1 |
| 2 | 3256-26 | Washer | 2 |
| 3 | 3253-7 | Lockwasher | 1 |
| 4 | 3213-20 | Capscrew | 1 |
| 5 | 3253-21 | Lockwasher | 4 |
| 6 | 323-6 | Capscrew | 4 |
| 7 | 253-117 | Seal | 2 |
| 8 | 254-78 | Bearing Cone | 2 |
| 9 | 254-79 | Bearing Cup | 2 |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|--|----------|
| 10 | 29-3440 | Retainer Grease | 2 |
| 11 | 5-4035 | End Cap. Roller | 2 |
| 12 | 302-5 | Grease Fitting | 2 |
| 13 | 29-3800 | Roller Assy. (Incl. 2-4, 7-14 & 16-17) | 1 |
| 14 | 29-3900 | Wear Sleeve Roller | 2 |
| 15 | 29-3940 | Clamp Roller | 2 |
| 16 | 32128-15 | Flange Nut | 1 |
| 17 | 29-3850 | Shaft Roller | 1 |
| 18 | 36-4980 | Bracket R.H. | 1 |

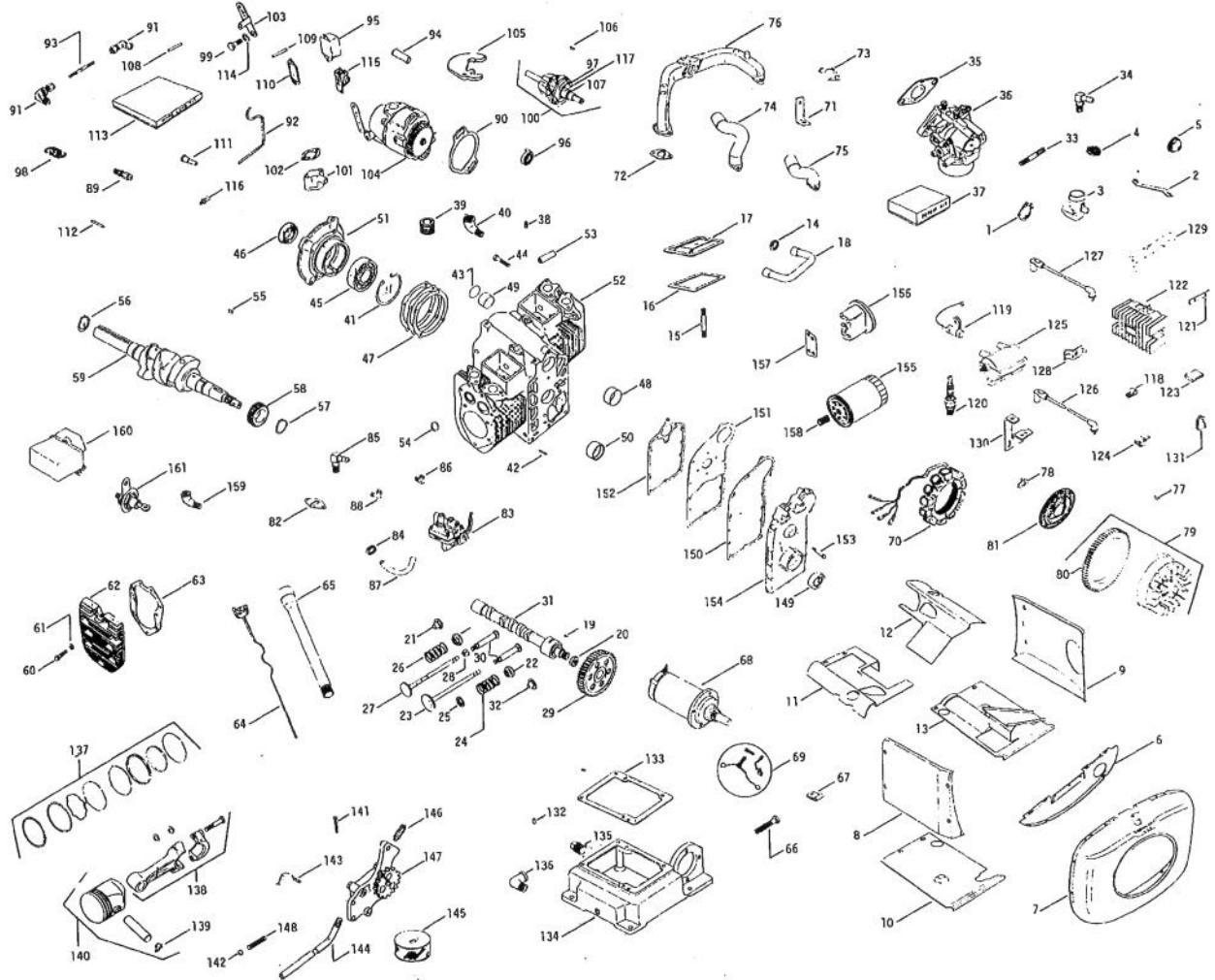
ENGINE KOHLER MODEL NO. K582QS TYPE NO. EXPC-36261A



ENGINE KOHLER MODEL NO. K582QS TYPE NO. EXPC-36261A

| Ref. No. | Part No. | Description | No. Used | Ref. No. | Part No. | Description | No. Used |
|----------|-----------|--------------------------------|----------|----------|-----------|------------------------------|----------|
| | | AIR INTAKE GROUP | | 49 | 277039 | Bushing | 1 |
| 1 | 277069 | Gasket | 1 | 50 | 277208 | Bearing | 1 |
| 2 | 277116 | Brace, Elbow | 1 | 51 | 48 009 12 | Plate, Rear Closure | 1 |
| 3 | 277396 | Elbow, Air Cleaner | 1 | 52 | 48 005 06 | Crankcase — Assembly | 1 |
| 4 | 48 162 05 | Screen | 1 | 53 | 235007-S | Guide, Valve | 1 |
| | | BAFFLES & SHROUD GROUP | | 54 | 48 031 01 | Insert, Intake Valve | 1 |
| 5 | 243035 | Grommet | 1 | | | CRANKSHAFT GROUP | |
| 6 | 277058 | Baffle, Bl. Hsg. Support | 1 | 55 | X-42-15 | Key, Woodruff | 1 |
| 7 | 48 027 04 | Housing, Blower | 1 | 56 | X-269-30 | Ring, Retaining | 1 |
| 8 | 48 063 08 | Baffle, Side Cyl. #1 | 1 | 57 | X-269-32 | Ring, Retaining | 1 |
| 9 | 48 063 09 | Baffle, Side Cyl. #2 | 1 | 58 | 277009 | Gear, Crankshaft | 1 |
| 10 | 48 063 10 | Baffle, Bottom Cyl. #1 | 1 | 59 | 48 014 15 | Crankshaft | 1 |
| 11 | 48 063 12 | Baffle, Top Cyl. #1 | 1 | 60 | 270158 | CYLINDER HEAD GROUP | |
| 12 | 48 063 02 | Baffle, Top Cyl. #2 | 1 | 61 | 270889 | Screw, H.C. 3/8 - 16 x 1-1/2 | 18 |
| 13 | 48 063 13 | Baffle, Bottom Cyl. #2 | 1 | 62 | 48 015 01 | Washer 3/8 | 18 |
| | | BREATHER & VENT GROUP | | 63 | 48 052 01 | Head, Cylinder | 2 |
| 14 | X-426-3 | Clamp, Hose | 2 | 64 | 48 272 01 | Gasket, Cylinder Head | 2 |
| 15 | 220368 | Stud, Valve Cover | 2 | 65 | 48 538 01 | DIPSTICK GROUP | |
| 16 | 270034 | Gasket, Valve Cover | 2 | | | Dipstick | 1 |
| 17 | 270036 | Cover, Valve | 2 | 66 | X-778-1 | ELECTRIC START GROUP | |
| 18 | 277392 | Hose, Breather | 1 | 67 | 270154 | Screw, R.H.M. | 4 |
| | | CAMSHAFT & VALVES GROUP | | 68 | A-277599 | Clip, Cable | 2 |
| 19 | X-43-1 | Key, Woodruff 3 | 1 | 69 | 277613 | Starter — Assembly | 1 |
| 20 | X-119-17 | Nut, Jam 3/4 - 16 | 1 | 70 | 237878 | Kit, brush and Spring | 1 |
| 21 | 230011 | Retainer, Exhaust Valve Spring | 2 | | | Kit, Stator | 1 |
| 22 | 230020 | Rotator, Exhaust Valve | 2 | 71 | 236742 | INTAKE & EXHAUST GROUP | |
| 23 | 235008 | Valve, Intake | 2 | 72 | 277091 | Strap, Lifting | 2 |
| 24 | 235010 | Spring, Intake Valve | 2 | 73 | 48 052 02 | Gasket | 2 |
| 25 | 235011 | Retainer, Valve Spring | 4 | 74 | 48 054 04 | Gasket, Intake | 2 |
| 26 | 235168 | Spring, Exhaust Valve | 2 | 75 | 48 054 05 | Elbow, Exh. Cyl. #1 | 1 |
| 27 | 237672 | Valve, Exhaust | 2 | 76 | 48 164 07 | Elbow, Exh. Cyl. #2 | 1 |
| 28 | 41 755 10 | Key, Retainer | 8 | | | Manifold, Intake | 1 |
| 29 | 277012 | Gear, Camshaft | 1 | 77 | X-45-3 | FLYWHEEL GROUP | |
| 30 | D-277031 | Tappet | 4 | 78 | 277595 | Key, Woodruff | 1 |
| 31 | 48 012 01 | Camshaft | 1 | 79 | 48 025 02 | Nut, Lock | 1 |
| 32 | 230011 | Retainer, Intake Valve Spring | 2 | 80 | 277122 | Flywheel | 1 |
| | | CARBURETOR GROUP | | 81 | 48 162 01 | Gear, Ring | 1 |
| 33 | X-352-10 | Stud | 2 | | | Screen, Grass | 1 |
| 34 | X-391-1 | Elbow | 1 | 82 | 47 041 04 | FUEL PUMP GROUP | |
| 35 | 271030 | Gasket, Carburetor | 1 | 83 | 48 559 01 | Gasket | 1 |
| 36 | 48 053 24 | Carburetor — Assembly | 1 | 84 | X-309-14 | Pump, Fuel (Includes Gasket) | 1 |
| 37 | 221519 | Kit, Repair | 1 | 85 | X-391-1 | Clamp, Hose | 1 |
| | | CRANKCASE GROUP | | 86 | X-555-2 | Connector | 1 |
| 38 | X-75-23 | Plug, Pipe 1/8 H. Socket | 3 | 87 | X-697-1 | Elbow 90° | 1 |
| 39 | X-75-31 | Plug, Pipe | 1 | 88 | 231510 | Line Fuel | 1 |
| 40 | X-211-10 | Elbow | 1 | | | Connector | 1 |
| 41 | X-269-31 | Ring, Retaining | 1 | 89 | X-343 | GOVERNOR GROUP | |
| 42 | X-599-2 | Pin | 2 | 90 | 277078 | Connector | 1 |
| 43 | 160037 | Plug, Welch 1-1/2 | 1 | 91 | 277337 | Gasket — Governor Housing | 1 |
| 44 | 270956 | Screw, H.C. 3/8 - 16 x 1-1/4 | 4 | 92 | 277669 | Elbow | 1 |
| 45 | 277062 | Bearing, Ball | 1 | 93 | 271151 | Line, Oil | 1 |
| 46 | 277065 | Seal, Rear Oil | 1 | 94 | 45 208 03 | Rod, Ball Joint | 1 |
| 47 | 277087 | Gasket, Closure Plate | 1 | | | Body, Ball Joint | 1 |
| 48 | 277038 | Bushing | 1 | | | | |

ENGINE KOHLER MODEL NO. K582QS TYPE NO. EXPC-36261A



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 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 Turf Pro 84 has two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is located on right hand side of floor plate. In any correspondence concerning the Turf Pro 84, 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 numbers of the Turf Pro 84.
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.

The Toro Promise

A One Year Limited Warranty on Turf Products Other Than Walk Rotary Mowers

The Toro Company promises to repair any TORO Product if defective in materials or workmanship. The following time periods from the date of purchase apply:

| | |
|--|---------|
| Turf Products | 1 Year |
| Hevi-Duty Walk Rotary Mowers | 90 Days |

The costs of parts and labor are included, but the customer pays the transportation costs on walk rotary mowers.

Should you feel your TORO is defective and wish to rely on The Toro Promise, the following procedure is recommended:

1. Contact your Authorized TORO Distributor (the Yellow Pages of your telephone directory is a good reference source).
2. The TORO Distributor will advise you on the arrangements that can be made to inspect and repair your product.
3. The TORO Distributor will inspect the product and advise you whether the product is defective and, if so, make all repairs necessary to correct the defect without extra charge to you.

If for any reason you are dissatisfied with the distributor's analysis of the defect or the service performed, you may contact us.

Write:

TORO Turf Products Service Department
8111 Lyndale Avenue South
Minneapolis, Minnesota 55420

The above remedy of product defects through repair by an Authorized TORO Distributor is the purchaser's sole remedy for any defect.

THERE IS NO OTHER EXPRESS WARRANTY. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE ARE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY.

Some states do not allow limitation on how long implied warranty lasts, so the above limitation may not apply to you.

This Warranty applies only to parts or components which are defective and does not cover repairs necessary due to normal wear, misuse, accidents, or lack of proper maintenance. Regular, routine maintenance of the unit to keep it in proper operating condition is the responsibility of the owner.

All warranty repairs reimbursable under The Toro Promise must be performed by an Authorized TORO Distributor using Toro approved replacement parts.

Repairs or attempted repairs by anyone other than an Authorized TORO Distributor are not reimbursable under The Toro Promise. In addition, these unauthorized repair attempts may result in additional malfunctions, the correction of which is not covered by warranty.

The Toro Company is not liable for indirect, incidental or consequential damages in connection with the use of the product including any cost or expense of providing substitute equipment or service during periods of malfunction or non-use.

Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.