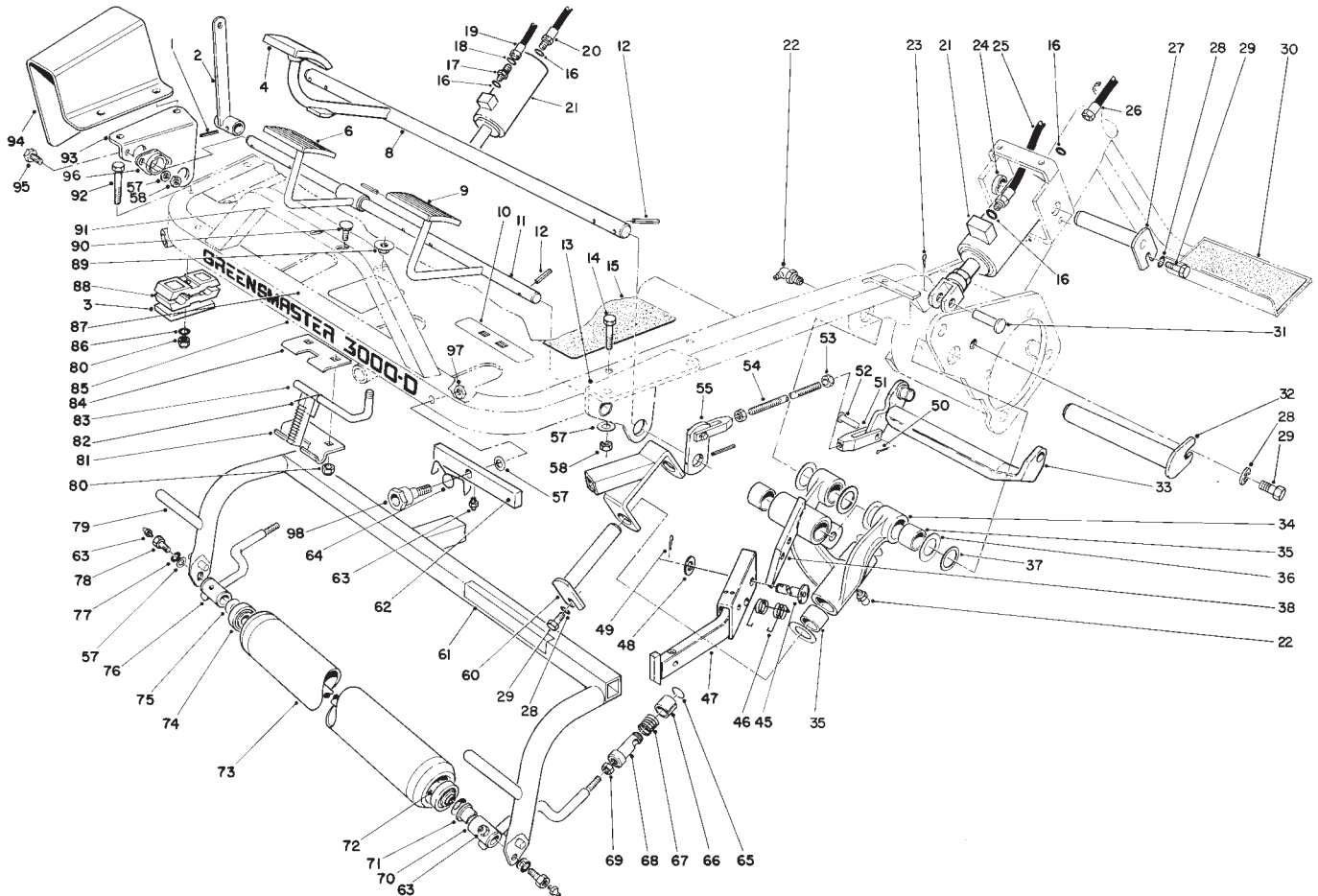


# PARTS CATALOG

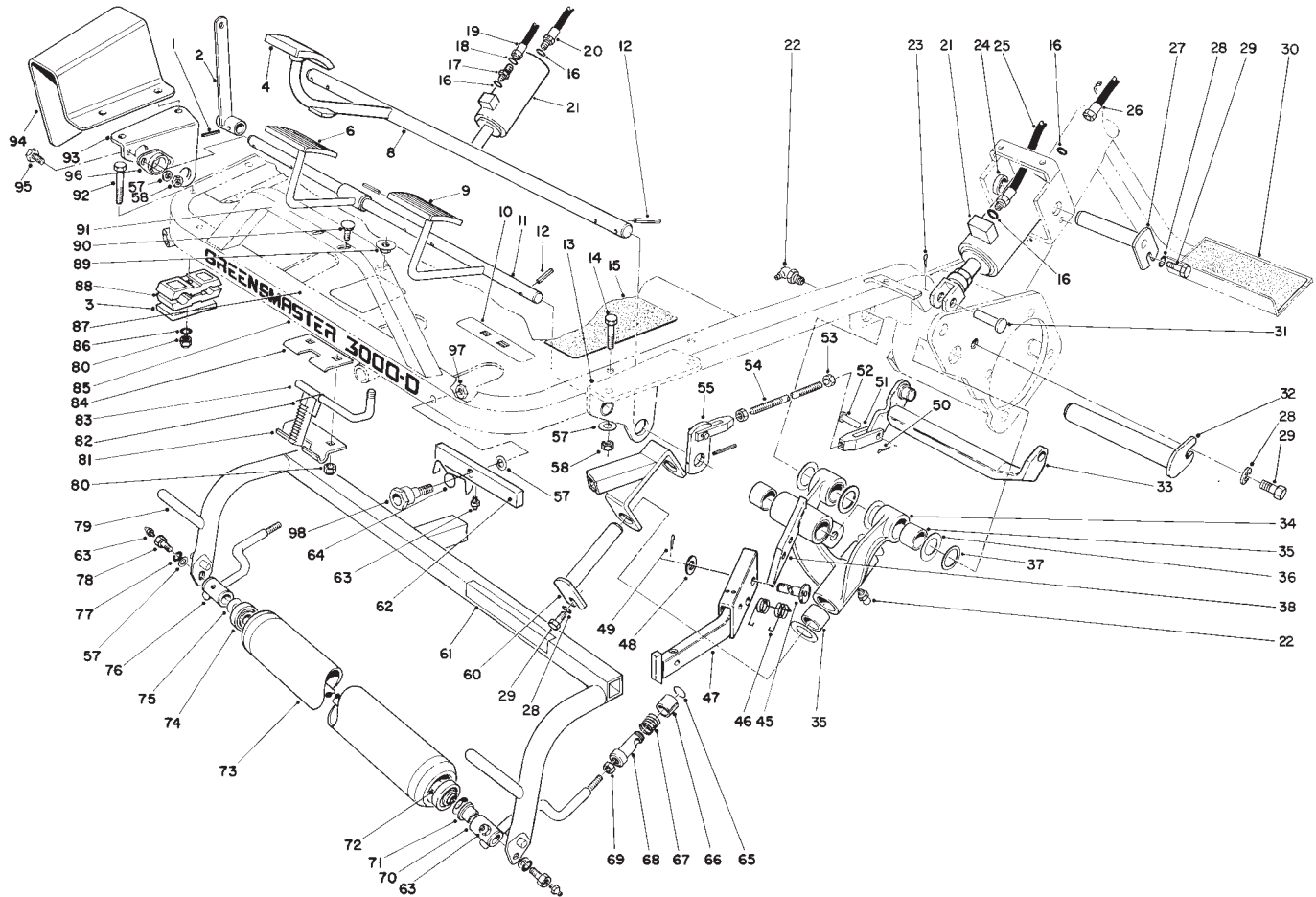
# GREENSMASTER® 3000—D TRACTION UNIT



## FOOT PEDALS & ROLLER ASSEMBLY

| Ref. No. | Part No. | Description                                 | No. Used |
|----------|----------|---------------------------------------------|----------|
| 1        | 32121-6  | Pin - Roll                                  | 1        |
| 2        | 49-6200  | Lever - Cutting Control                     | 1        |
| 3        | 69-9760  | Plate - Cover                               | 1        |
| 4        | 93-7629  | Foot Pad - Brake                            | 1        |
| 6        | 93-7630  | Foot Pad - Mow                              | 1        |
| 8        | 83-0160  | Brake Shaft                                 | 1        |
| 9        | 93-7631  | Foot Pad - Lift                             | 1        |
| 10       | 93-8075  | Decal - Mow/Lift                            | 1        |
| 11       | 88-9660  | Shaft - Cutting Control                     | 1        |
| 12       | 32121-35 | Pin - Roll                                  | 8        |
| 13       | 88-9640  | Lift Pivot Bracket - LH                     | 1        |
| 14       | 323-10   | Screw - Cap, Hex Hd.                        | 4        |
| 15       | 49-6120  | Pad - Footrest                              | 1        |
| 16       | 237-78   | O-Ring                                      | 4        |
| 17       | 340-92   | Fitting - Straight<br>(Incl. Ref. #16 & 18) | 1        |

| Ref. No. | Part No. | Description              | No. Used |
|----------|----------|--------------------------|----------|
| 18       | 237-21   | O-Ring                   | 1        |
| 19       | 63-3950  | Hose - Cylinder, Drop RH | 1        |
| 20       | 88-9700  | Hose - Hydraulic         | 1        |
| 21       | 84-8290  | Hydraulic Cylinder Assy. | 2        |
| 22       | 302-60   | Fitting - Grease         | 4        |
| 23       | 3272-11  | Pin - Cotter             | 2        |
| 24       | 74-3730  | Spacer - Cylinder        | 2        |
| 25       | 63-3850  | Hose - Cylinder, Drop LH | 1        |
| 26       | 63-3890  | Hose - Cylinder, Lift LH | 1        |
| 27       | 10-6060  | Pin - Cylinder, Pivot    | 2        |
| 28       | 3256-23  | Washer - Plain           | 5        |
| 29       | 322-1    | Screw - Cap, Hex. Hd.    | 5        |
| 30       | 62-2660  | Pad - Step               | 1        |
| 31       | 283-8    | Pin - Clevis             | 2        |
| 32       | 10-6110  | Pin - Hinge              | 2        |
| 33       | 71-1510  | Arm - Brake              | 1        |

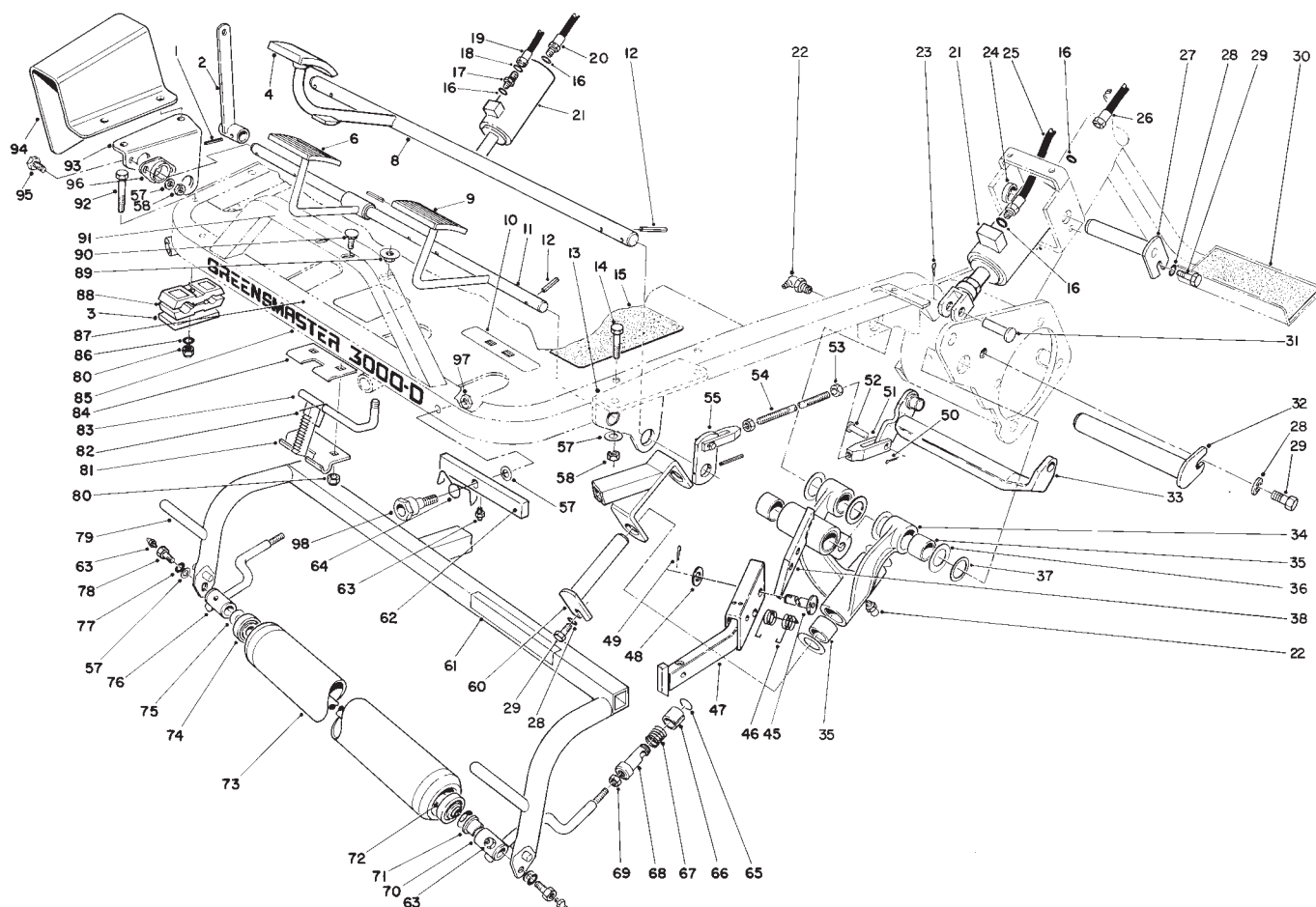


T-0642B

## FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|--------------------------------------------|----------|
| 34       | 10-7820  | Pivot Hinge Assembly<br>(Incl. Ref. #35)   | 1        |
| 35       | 3-0348   | Bushing — Sleeve                           | 6        |
| 36       | 10-8110  | Washer — Thrust                            | 6        |
| 37       | 5-1226   | Washer — Shim                              | 2        |
| 38       | 62-2460  | Lift Arm Assembly — LH<br>(Incl. Ref. #35) | 1        |
| 45       | 63-8750  | Pin — Pivot                                | 1        |
| 46       | 57-7650  | Spring — Torsion                           | 1        |
| 47       | 62-2390  | Bar — Lift, LH                             | 1        |
| 48       | 3256-26  | Washer — Flat                              | 2        |
| 49       | 3272-12  | Pin — Cotter                               | 1        |
| 50       | 3272-6   | Pin — Cotter                               | 4        |
| 51       | 282-2    | Yoke                                       | 4        |
| 52       | 283-1    | Pin — Clevis                               | 4        |
| 53       | 3220-2   | Nut — Jam                                  | 4        |
| 54       | 27-2270  | Rod — Adjustment, Brake                    | 2        |
| 55       | 10-8100  | Strap — Shaft, Brake                       | 2        |
| 57       | 3256-24  | Washer — Flat                              | 15       |
| 58       | 3296-59  | Nut — Lock                                 | 8        |
| 60       | 10-6090  | Pin — Pivot                                | 1        |
| 61       | 62-5070  | Decal — Danger                             | 1        |
| 62       | 83-0060  | Pivot — Lift                               | 1        |
| 63       | 302-5    | Fitting — Grease                           | 13       |
| 64       | 83-0080  | Spring — Torsion                           | 1        |
| 65       |          | Ring — Retaining                           | 6        |

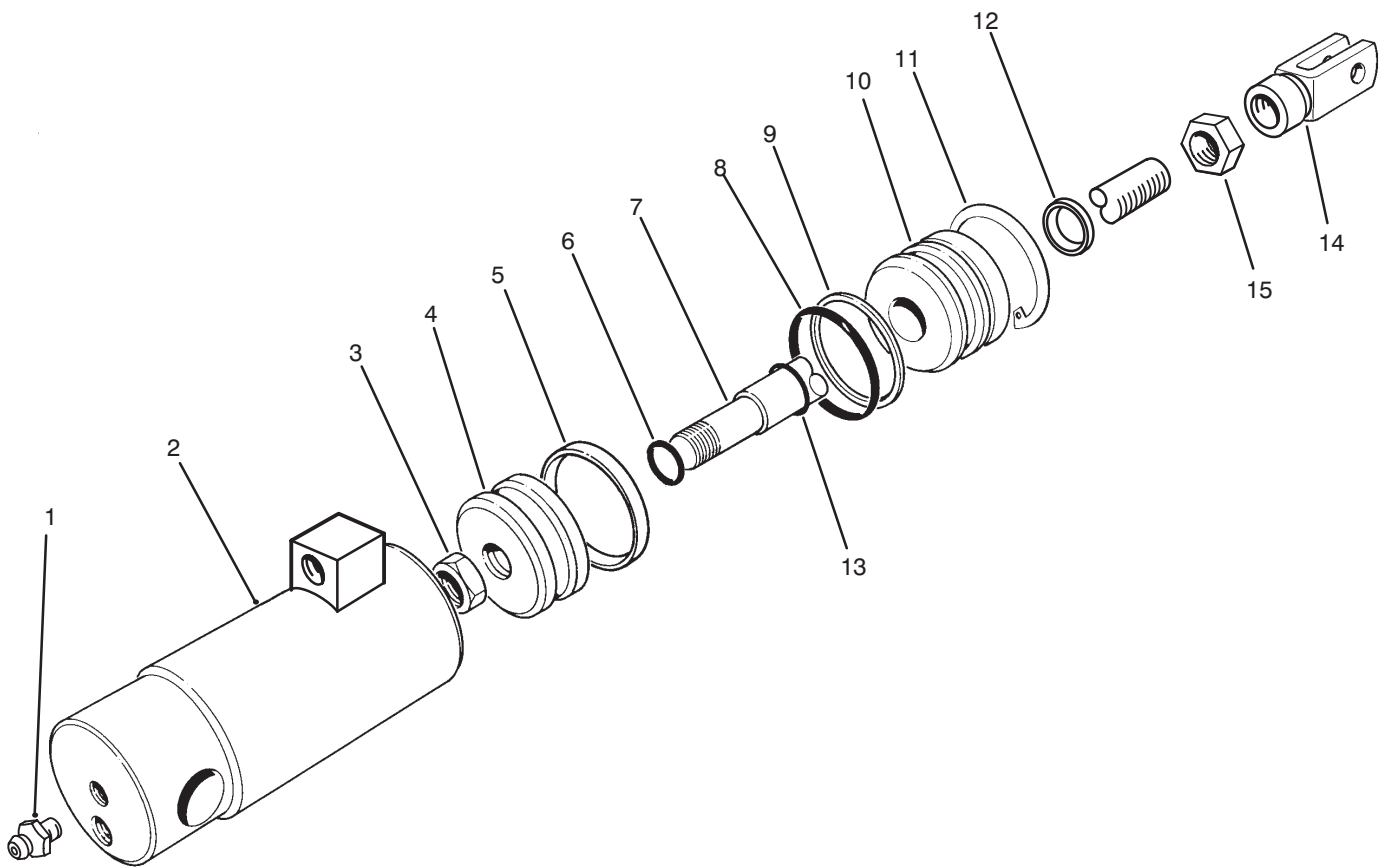
| Ref. No. | Part No. | Description                                      | No. Used |
|----------|----------|--------------------------------------------------|----------|
| 66       |          | Sleeve                                           | 6        |
| 67       |          | Spring                                           | 6        |
| 68       | 8-7710   | Ball Joint Receiver Assy.<br>(Incl. Ref. #65-67) | 6        |
| 69       | 3220-3   | Nut — Jam                                        | 6        |
| 70       | 92-0586  | Pull Arm Assembly — LH<br>(Incl. Ref. #71)       | 3        |
| 71       | 3-1506   | Bushing — Flange                                 | 12       |
| 72       | 21-8470  | Shaft — Yoke, Roller                             | 3        |
| 73       | 52-2720  | Roller Assembly<br>(Incl. Ref. #74)              | 3        |
| 74       | 251-141  | Bearing — Ball                                   | 6        |
| 75       | 3290-317 | Washer — Spring                                  | 6        |
| 76       | 92-0585  | Pull Arm Assembly — RH<br>(Incl. Ref. #71)       | 3        |
| 77       | 3253-21  | Washer — Lock                                    | 8        |
| 78       | 11-0160  | Screw Assy. — Shaft, Roller<br>(Incl. Ref. #63)  | 6        |
| 79       | 92-9176  | Frame — Pull, LH                                 | 1        |
| 80       | 3296-16  | Nut — Lock                                       | 3        |
| 81       | 10-7890  | Hinge — Lower, Park Brake                        | 1        |
| 82       | 10-8140  | Spring — Latch, Brake                            | 1        |
| 83       | 10-7850  | Latch — Brake, Parking                           | 1        |
| 84       | 10-7880  | Hinge — Upper, Park. Brake                       | 1        |
| 85       | 88-9720  | Decal — GR 3000D                                 | 1        |
| 86       | 3253-3   | Washer — Lock                                    | 1        |



T-0642B

## FOOT PEDALS AND ROLLER ASSEMBLY (Continued)

| Ref. No. | Part No.  | Description            | No. Used | Ref. No. | Part No. | Description              | No. Used |
|----------|-----------|------------------------|----------|----------|----------|--------------------------|----------|
| 87       | 27-2830   | Decal - Brake, Parking | 1        | 93       | 88-9630  | Bracket - Lift, Pivot RH | 1        |
| 88       | 56-7970   | Clamp - Tube           | 2        | 94       | 49-6110  | Guard - Rod, Transfer    | 1        |
| 89       | 32141-111 | Nut - Lock, Flange Hd. | 1        | 95       | 3234-1   | Screw - Hex. Flange Hd.  | 4        |
| 90       | 3229-22   | Bolt - Carriage        | 2        | 96       | 27-2320  | Bearing - Side Flange    | 2        |
| 91       | 83-0140   | Pedal - Foot           | 1        | 97       | 3290-357 | Nut - Lock               | 1        |
| 92       | 321-23    | Screw - Cap, Hex. Hd.  | 1        | 98       | 83-2590  | Bolt - Shoulder          | 1        |



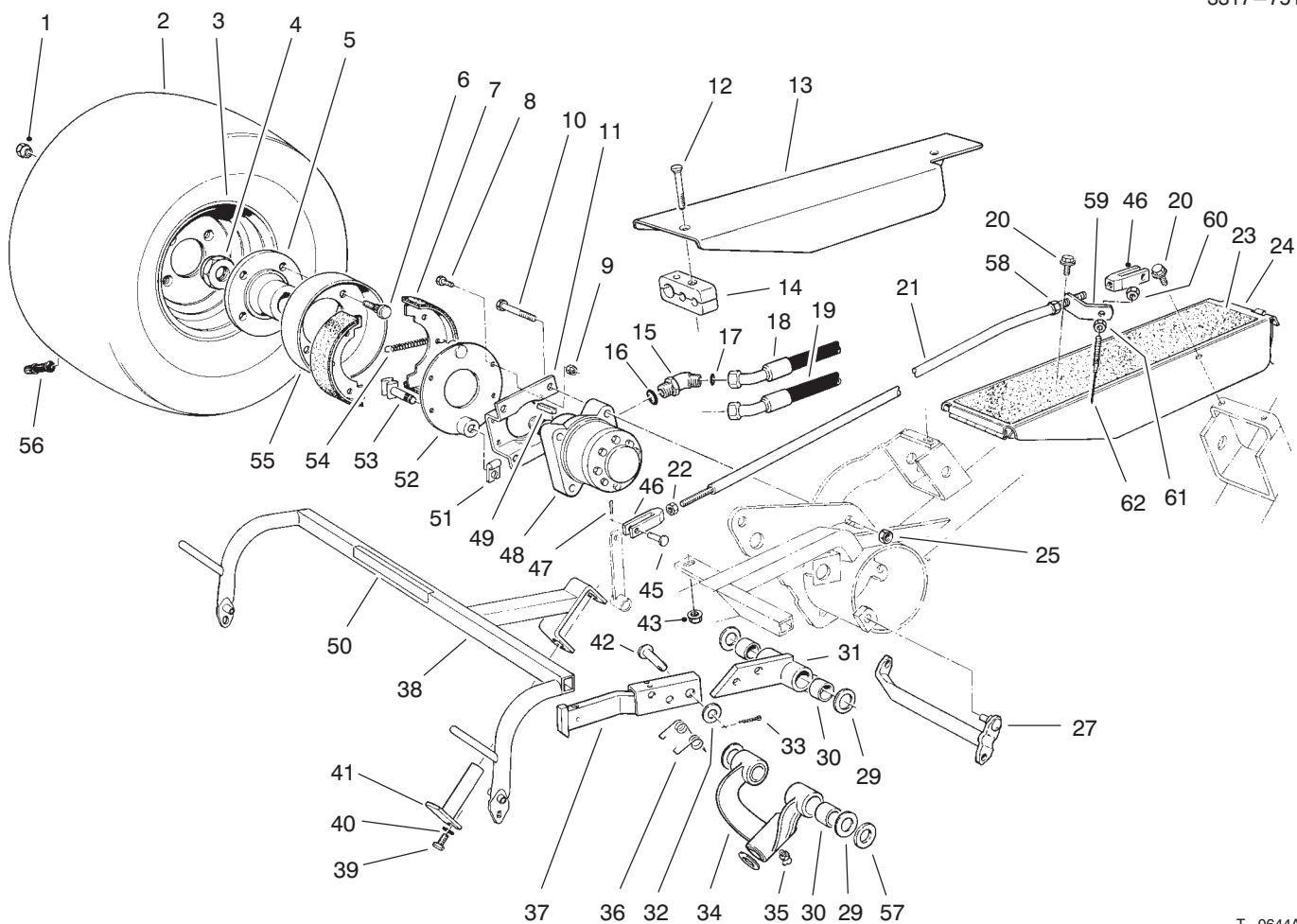
T-1373

**FRONT HYDRAULIC CYLINDER NO. 84-8290**

| Ref. No. | Part No. | Description      | No. Used |
|----------|----------|------------------|----------|
| 1        | 302-2    | Fitting - Grease | 2        |
| 2        |          | Barrel Assembly  | 1        |
| 3        | 32152-10 | Nut-Lock         | 1        |
| 4        | 52-1990  | Piston           | 1        |
| 5        |          | Uniring          | 1        |
|          |          | O-Ring           | 1        |
| 7        | 76-1860  | Shaft            | 1        |
| 8        |          | O-Ring           | 1        |
| 9        |          | Washer - Backup  | 1        |

| Ref. No. | Part No. | Description                                        | No. Used |
|----------|----------|----------------------------------------------------|----------|
| 10       | 65-4860  | Head                                               | 1        |
| 11       | 32120-8  | Ring - Retaining, Internal                         | 1        |
| 12       |          | Dust Seal                                          | 1        |
| 13       |          | Seal                                               | 1        |
| 14       | 76-1850  | Clevis                                             | 1        |
| 15       | 3220-6   | Nut - Jam                                          | 1        |
| *        | 86-5390  | Seal Repair Kit<br>(Incl. Ref.#5, 6, 8, 9 & 12-13) | 1        |

\*Not Illustrated

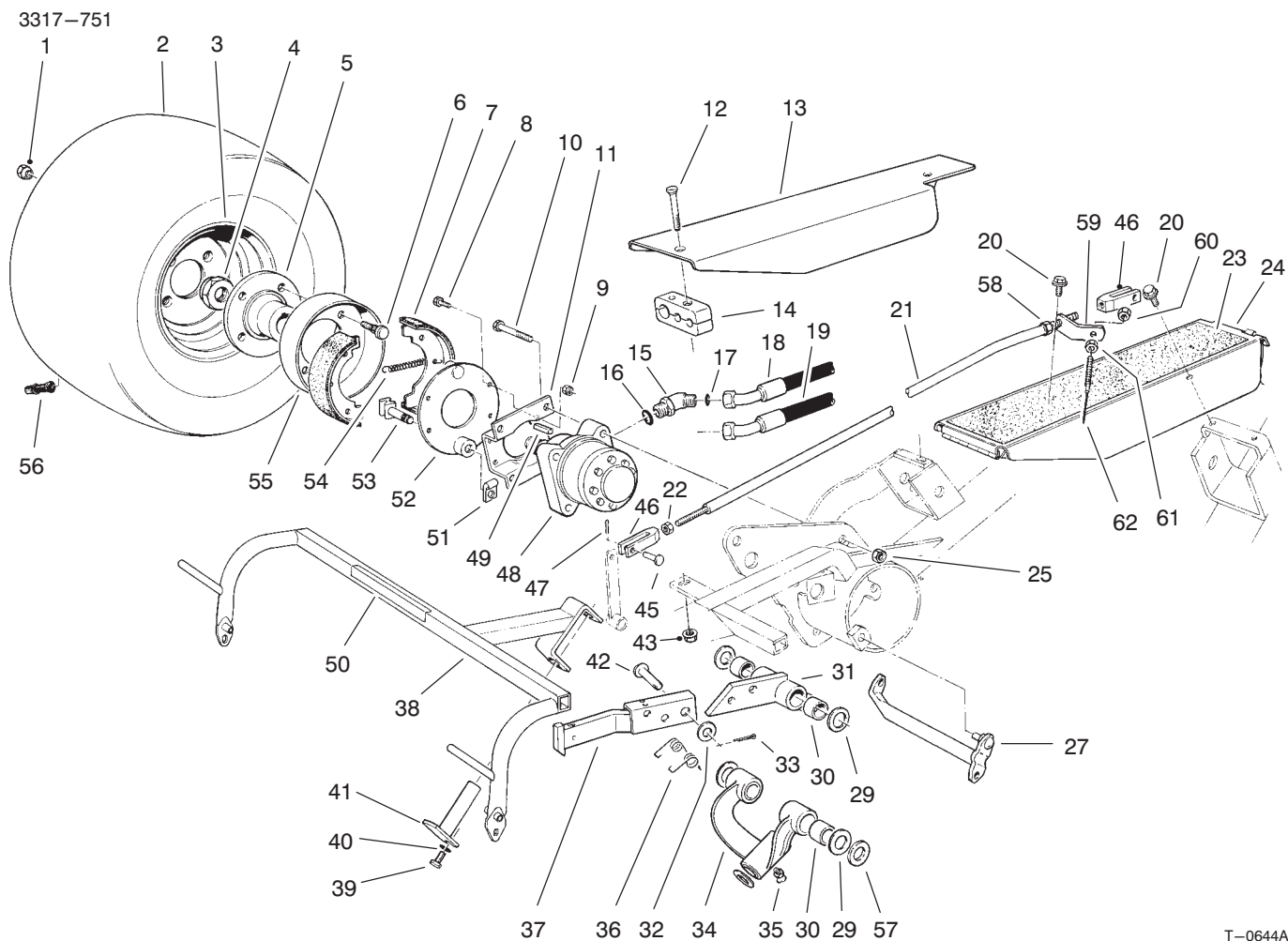


T-0644A

## WHEEL AND BRAKE ASSEMBLY

| Ref. No. | Part No.  | Description                                  | No. Used | Ref. No. | Part No. | Description                              | No. Used |
|----------|-----------|----------------------------------------------|----------|----------|----------|------------------------------------------|----------|
| 1        | 242-50    | Nut - Wheel                                  | 8        | 20       | 3234-13  | Screw - Hex. Flange Hd.                  | 4        |
| 2        | 28-3680   | Tire                                         | 2        | 21       | 49-5430  | Rod - Control                            | 1        |
| *        | 231-124   | Tire - Treaded (Optional)                    | 2        | 22       | 3220-2   | Nut - Jam                                | 1        |
| *        | 232-37    | Tube - Inner (Optional)                      | 2        | 23       | 10-8220  | Pad - Tool Box                           | 1        |
| *        | 62-2580   | Spacer (Optional)<br>(For use with 231-124)  | 2        | 24       | 49-5410  | Box - Tool                               | 1        |
| 3        | 217-60    | Rim                                          | 2        | 25       | 3296-23  | Nut - Lock                               | 8        |
| 4        | 26-3790   | Nut - Lock                                   | 2        | 27       | 71-1510  | Lever - Brake                            | 1        |
| 5        | 10-6870   | Hub - Wheel                                  | 2        | 29       | 10-8110  | Washer - Thrust                          | 6        |
| 6        | 85-6540   | Stud - Drive Type                            | 8        | 30       | 3-0348   | Bushing - Sleeve                         | 6        |
| 7        | 70-9840   | Shoe & Lining Assembly                       | 4        | 31       | 62-2440  | Lift Arm Assembly RH<br>(Incl. Ref. #30) | 1        |
| 8        | 321-5     | Screw - Cap, Hex. Hd.                        | 8        | 32       | 3256-26  | Washer - Flat                            | 1        |
| 9        | 3296-16   | Nut - Lock                                   | 8        | 33       | 3272-12  | Pin - Cotter                             | 1        |
| 10       | 325-11    | Screw - Cap, Hex. Hd.                        | 8        | 34       | 10-7820  | Pivot Hinge Assembly                     | 1        |
| 11       | 84-2000   | Bracket - Brake                              | 4        | 35       | 302-60   | Fitting - Grease                         | 1        |
| 12       | 32108-100 | Screw - Flat Head                            | 3        | 36       | 57-7650  | Spring - Torsion                         | 1        |
| 13       | 49-5450   | Plate - Cover                                | 1        | 37       | 62-2420  | Bar - RH Arm, Lift                       | 1        |
| 14       | 57-6140   | Clamp - Tube, Side                           | 4        | 38       | 92-9177  | Frame - Pull, RH                         | 1        |
| 15       | 340-14    | Fitting - Hydraulic<br>(Incl. Ref. #16 & 17) | 4        | 39       | 322-1    | Screw - Cap, Hex. Hd.                    | 1        |
| 16       | 237-80    | O-Ring                                       | 4        | 40       | 3256-23  | Washer - Plain                           | 1        |
| 17       | 237-65    | O-Ring                                       | 4        | 41       | 10-6090  | Pin - Pivot                              | 1        |
| 18       | 70-8600   | Hose - Hyd. Upper, RH                        | 1        | 42       | 63-8750  | Pin - Pivot                              | 1        |
| *        | 70-8610   | Hose - Hyd. Upper, LH                        | 1        | 43       | 3296-16  | Nut - Lock                               | 3        |
| 19       | 83-2460   | Hose - Hyd. Lower, RH                        | 1        | 45       | 283-1    | Pin - Clevis                             | 2        |
| *        | 70-7150   | Hose - Hyd. Lower, LH                        | 1        | 46       | 282-2    | Yoke                                     | 2        |
|          |           |                                              |          | 47       | 3272-6   | Pin - Cotter                             | 2        |

\*Not Illustrated

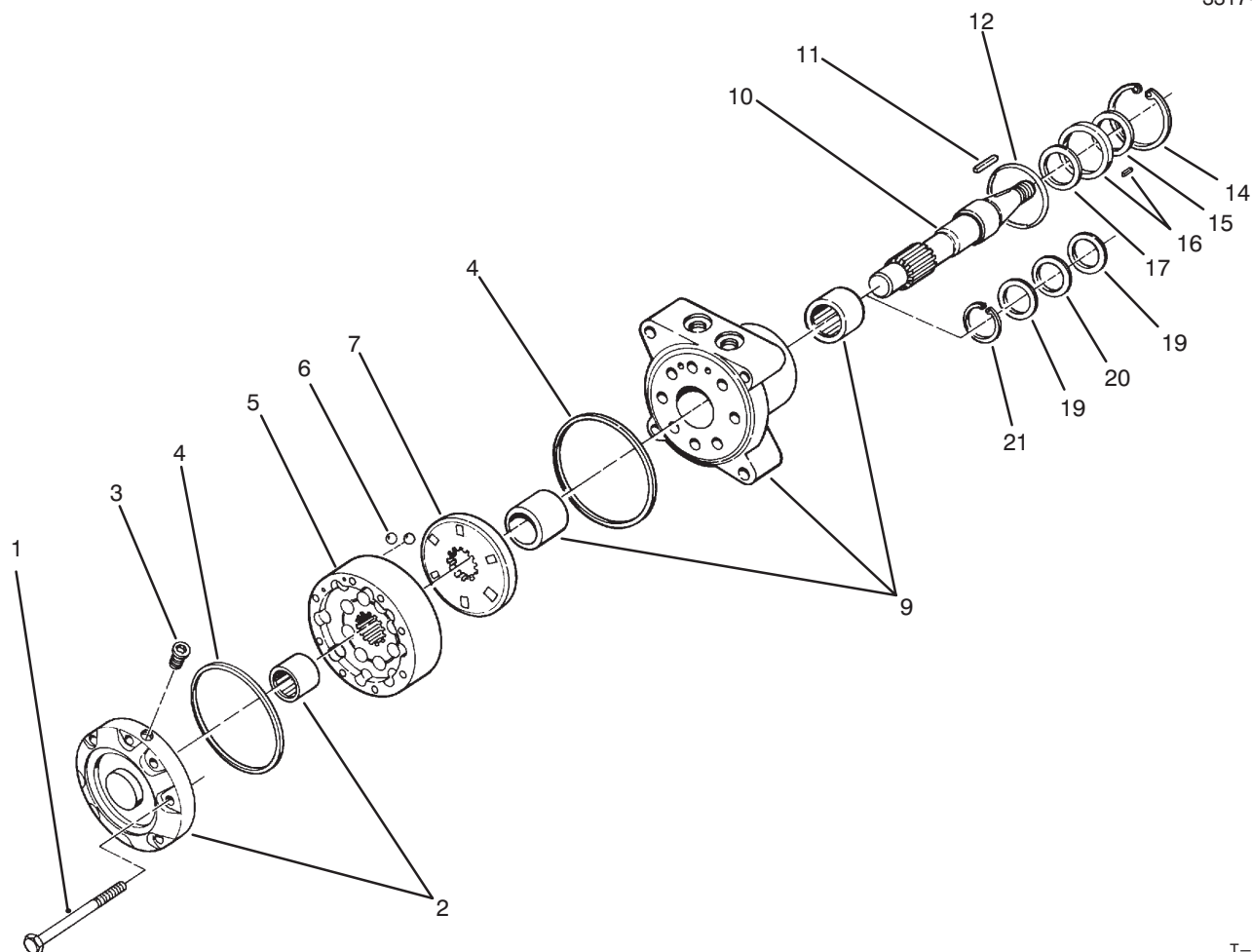


T-0644A

## WHEEL AND BRAKE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|--------------------------------------------|----------|
| 48       | 66-5292  | Motor — Hydraulic<br>(Incl. Ref. #49)      | 2        |
| 49       | 65-4640  | Key — Square                               | 2        |
| 50       | 62-5070  | Decal — Danger                             | 1        |
| 51       | 70-9850  | Clip                                       | 2        |
| 52       | 70-9870  | Plate — Support, Brake                     | 2        |
| 53       | 70-9860  | Cam — Brake                                | 2        |
| 54       | 70-9880  | Spring — Extension                         | 4        |
| 55       | 10-6820  | Brake Drum Assembly<br>(Incl. Ref. #5 & 6) | 2        |

| Ref. No. | Part No. | Description                | No. Used |
|----------|----------|----------------------------|----------|
| 56       | 232-24   | Valve Stem & Cap           | 2        |
| 57       | 5-1226   | Washer — Shim              | 2        |
| 58       | 3219-2   | Nut — Full                 | 1        |
| 59       | 93-9936  | Bracket — Return, Traction | 1        |
| 60       | 3296-29  | Nut — Lock                 | 1        |
| 61       | 3217-6   | Nut — Full                 | 1        |
| 62       | 93-9937  | Asm. — Cable, Traction     | 1        |



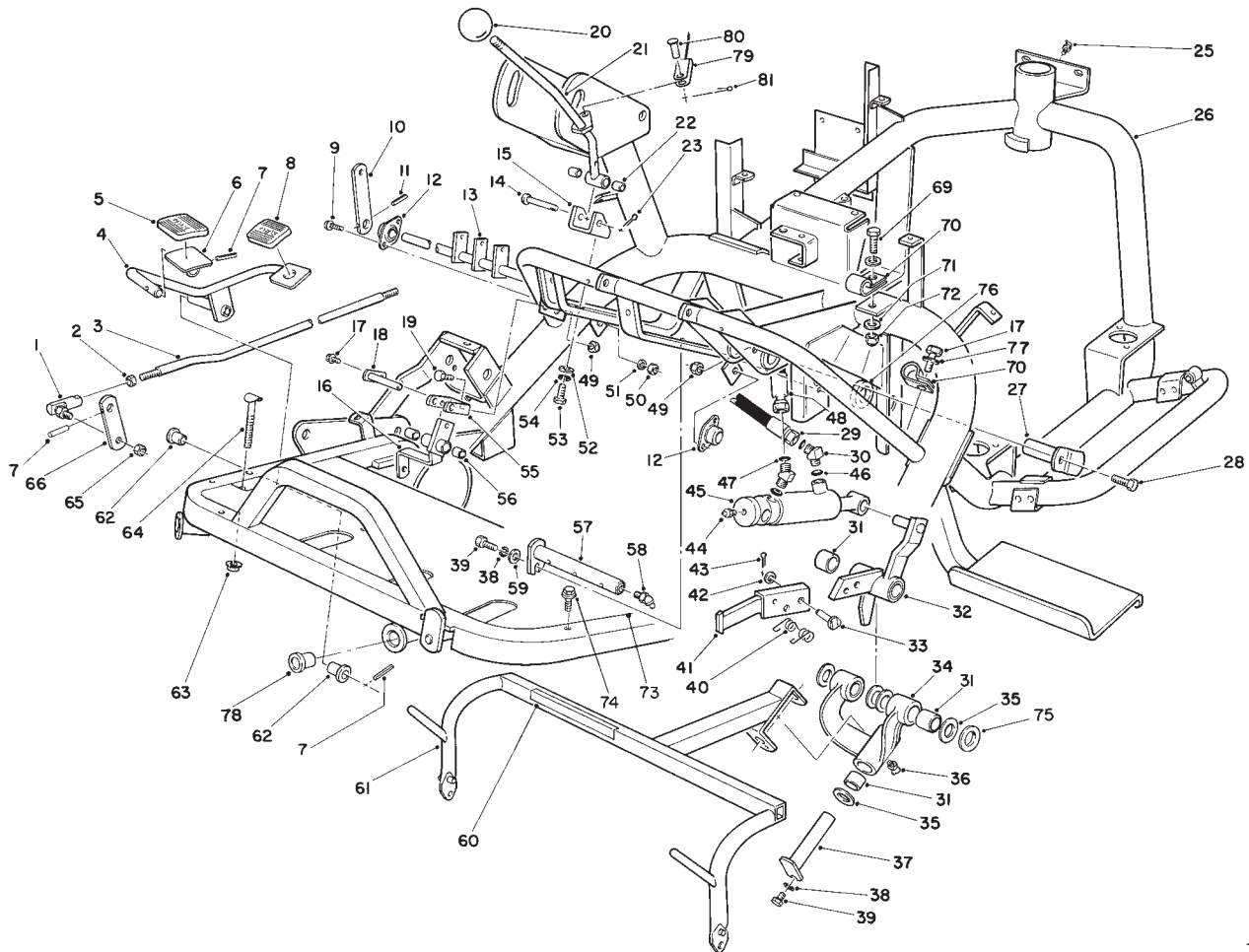
T-0274

## HYDRAULIC DRIVE MOTOR NO. 66-5292

| Ref. No. | Part No. | Description                                | No. Used | Ref. No. | Part No. | Description                                   | No. Used |
|----------|----------|--------------------------------------------|----------|----------|----------|-----------------------------------------------|----------|
| 1        | 70-8160  | Screw - Cap, Hex. Hd.                      | 8        | 13       | 65-4650  | Nut - Slotted                                 | 1        |
| 2        |          | Cover & Bearing Assembly                   | 1        | 14       | 65-4500  | Seal - Snap Ring                              | 1        |
| 3        | 65-4560  | Plug - Hex. (Hollow)                       | 1        | †15      |          | Seal - Dust                                   | 1        |
| 4        | 65-4570  | Seal - Square Ring                         | 2        | †16      |          | Retainer - Pin                                | 1        |
| 5        | 70-8180  | IGR Assembly                               | 1        | †17      |          | Seal - Lip                                    | 1        |
| 6        | 65-4550  | Valve - Ball, Check                        | 2        | *        | 65-4690  | Seal/Retainer Assembly<br>(Incl. Ref. #15-17) | 1        |
| 7        | 70-8150  | Plate - Valve                              | 1        | 19       | 65-4600  | Washer - Thrust                               | 2        |
| 9        | 70-8140  | Body & Bearing Assembly<br>(Incl. Ref. #2) | 1        | 20       | 65-4610  | Bearing - Thrust                              | 1        |
| 10       | 70-8190  | Shaft                                      | 1        | 21       | 70-8170  | Ring - Snap                                   | 1        |
| 11       | 65-4640  | Key - Square                               | 1        | *        | 65-4700  | Body Seal Kit<br>(Incl. Ref. #4, 12 & 15-17)  | 1        |
| 12       | 65-4620  | O-Ring                                     | 1        |          |          |                                               |          |

\*Not Illustrated

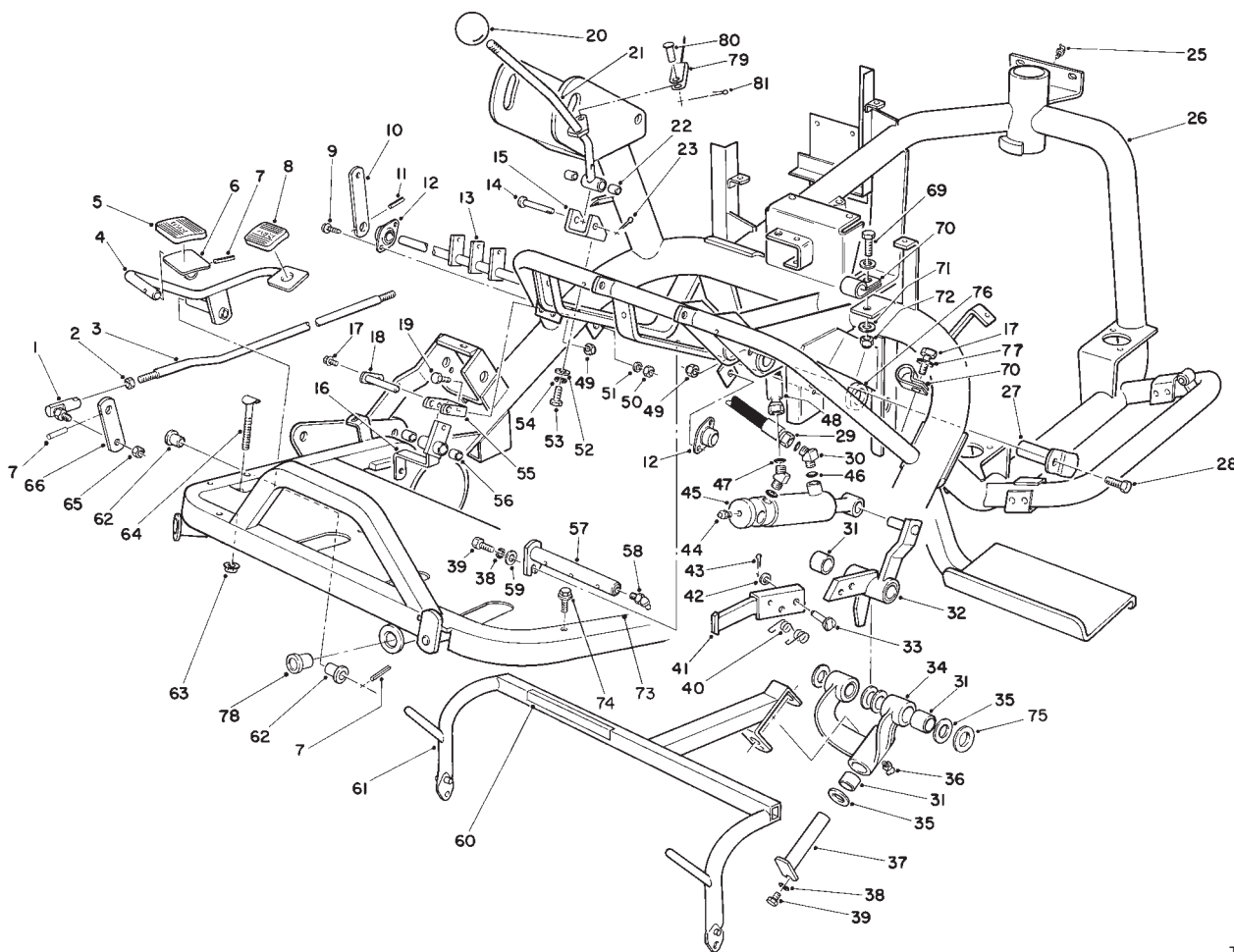
†Not available from Toro as a replacement part.



T-0641A

## FRAME ASSEMBLY

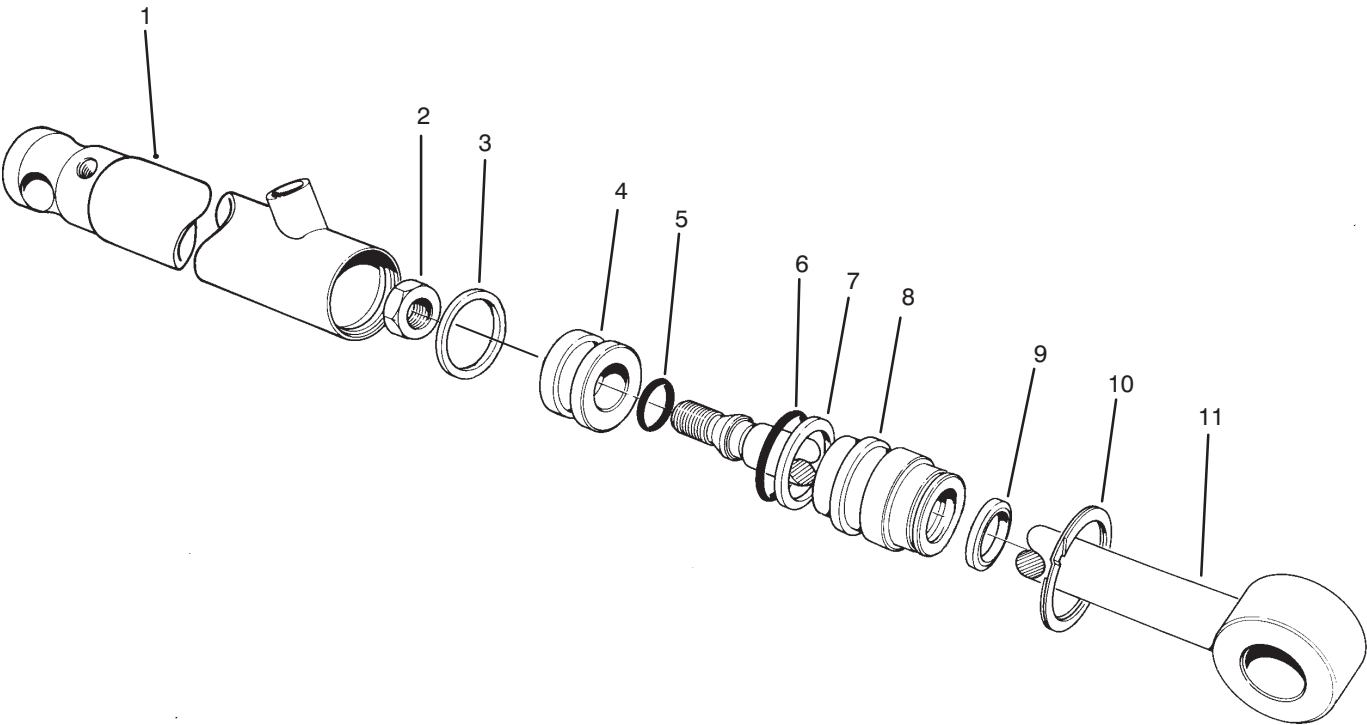
| Ref. No. | Part No. | Description                                   | No. Used | Ref. No. | Part No. | Description                                  | No. Used |
|----------|----------|-----------------------------------------------|----------|----------|----------|----------------------------------------------|----------|
| 1        | 2411-32  | Joint - Ball                                  | 2        | 26       | 92-1193  | Frame<br>(Incl. Ref. #25 & 62)               | 1        |
| 2        | 3220-2   | Nut - Jam                                     | 2        | 27       | 68-5560  | Pin - Cylinder                               | 1        |
| 3        | 49-6320  | Rod - Control, Traction                       | 1        | 28       | 322-3    | Screw - Cap, Hex. Hd.                        | 1        |
| 4        | 83-0540  | Pedal - Traction                              | 1        | 29       | 58-5830  | Hose - Hydraulic                             | 1        |
| 5        | 49-6470  | Pad - Pedal Forward                           | 1        | 30       | 340-103  | Fitting - Hydraulic<br>(Incl. Ref. #46 & 47) | 2        |
| 6        | 49-6440  | Pedal - Accelerator                           | 1        | 31       | 3-0348   | Bushing - Sleeve                             | 6        |
| 7        | 32121-45 | Pin-Roll                                      | 2        | 32       | 68-5380  | Center Lift Arm Assembly<br>(Incl. Ref. #31) | 1        |
| 8        | 49-6430  | Pad - Pedal Reverse                           | 1        | 33       | 63-8750  | Pin - Pivot                                  | 1        |
| 9        | 3234-1   | Screw - Hex. Flange Hd.                       | 4        | 34       | 10-7820  | Pivot Hinge Assembly                         | 1        |
| 10       | 47-5320  | Lever - Cutting Control                       | 1        | 35       | 10-8110  | Washer - Thrust                              | 6        |
| 11       | 32121-6  | Pin - Roll                                    | 1        | 36       | 302-60   | Fitting - Grease                             | 1        |
| 12       | 27-2320  | Bearing - Side Flange                         | 2        | 37       | 10-6090  | Pin - Pivot                                  | 1        |
| 13       | 44-0870  | Camshaft - Rear                               | 1        | 38       | 3256-23  | Washer - Plain                               | 2        |
| 14       | 283-57   | Pin - Clevis                                  | 1        | 39       | 322-1    | Screw - Cap, Hex. Hd.                        | 2        |
| 15       | 49-6220  | Bracket - Control Arm                         | 1        | 40       | 57-7650  | Spring - Torsion                             | 1        |
| 16       | 49-6260  | Traction Pivot Tube Assy.<br>(Incl. Ref. #56) | 1        | 41       | 62-2420  | Bar - Arm, Lift                              | 1        |
| 17       | 12-3270  | Screw - Hex. Flange Hd.                       | 2        | 42       | 3256-26  | Washer - Flat                                | 1        |
| 18       | 49-6290  | Shaft - Pivot, Traction                       | 1        | 43       | 3272-11  | Pin - Cotter                                 | 1        |
| 19       | 322-5    | Screw - Cap, Hex. Hd.                         | 1        | 44       | 302-2    | Fitting - Grease                             | 1        |
| 20       | 233-48   | Knob                                          | 1        | 45       | 83-7230  | Cylinder - Lift, Rear                        | 1        |
| 21       | 93-9934  | Handle - Traction<br>(Incl. Ref. #22)         | 1        | 46       | 237-78   | O-Ring                                       | 2        |
| 22       | 256-251  | Bushing                                       | 2        | 47       | 237-35   | O-Ring                                       | 2        |
| 23       | 3272-4   | Pin - Cotter                                  | 1        | 48       | 88-9700  | Hose - Hydraulic                             | 1        |
| 25       | 302-5    | Fitting - Grease                              | 1        |          |          |                                              |          |



T-0641A

## FRAME ASSEMBLY (Continued)

| Ref. No. | Part No. | Description               | No. Used | Ref. No. | Part No. | Description             | No. Used |
|----------|----------|---------------------------|----------|----------|----------|-------------------------|----------|
| 49       | 3296-29  | Nut - Lock                | 2        | 65       | 3296-4   | Nut - Lock              | 2        |
| 50       | 3296-59  | Nut - Lock                | 4        | 66       | 92-1194  | Plate - Traction Pivot  | 1        |
| 51       | 3256-24  | Washer - Flat             | 4        | 69       | 321-3    | Screw - Cap, Hex. Hd.   | 1        |
| 52       | 3256-3   | Washer - Flat             | 2        | 70       | 2412-41  | Clamp - R               | 2        |
| 53       | 3211-1   | Screw - Cap, Hex. Hd.     | 2        | 71       | 3256-1   | Washer - Flat           | 2        |
| 54       | 3254-6   | Washer - Lock             | 2        | 72       | 3296-16  | Nut - Lock              | 1        |
| 55       | 49-6250  | Bracket - Pivot, Traction | 1        | 73       | 88-6900  | Plate - Footrest        | 1        |
| 56       | 256-2    | Bushing - Sleeve          | 2        | 74       | 32144-14 | Screw - Hex. Flange Hd. | 7        |
| 57       | 27-2550  | Pin - Hinge               | 1        | 75       | 5-1228   | Washer - Shim           | 2        |
| 58       | 302-11   | Fitting - Grease          | 1        | 76       | 27-2540  | Spacer - Hub            | 1        |
| 59       | 3256-23  | Washer - Flat             | 1        | 77       | 3256-22  | Washer - Flat           | 1        |
| 60       | 62-5070  | Decal - Danger            | 1        | 78       | 83-1700  | Bushing - Flange        | 3        |
| 61       | 86-9820  | Frame - Pull, Rear        | 1        | 79       | 93-9937  | Asm. - Cable, Traction  | 1        |
| 62       | 256-219  | Bushing - Flange          | 2        | 80       | 283-62   | Pin - Clevis            | 1        |
| 63       | 32128-20 | Nut - Lock, Flange        | 1        | 81       | 3272-10  | Pin - Cotter            | 1        |
| 64       | 17-9420  | Screw - Stop, Accelerator | 1        |          |          |                         |          |



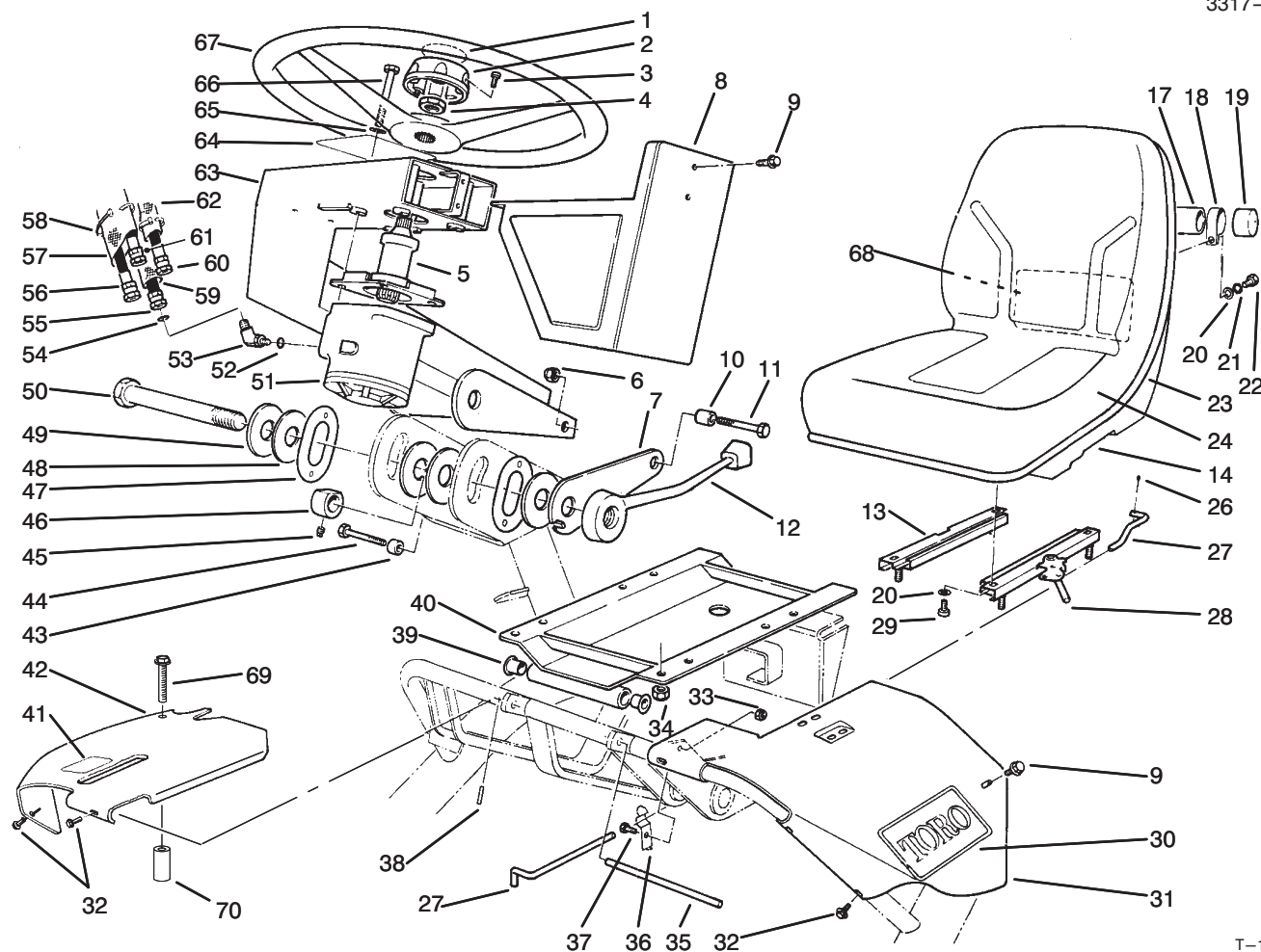
T-0640

REAR HYDRAULIC CYLINDER NO. 83-7230

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 1        | 70-8130  | Barrel      | 1        |
| 2        | 32152-10 | Nut         | 2        |
| 3        |          | Uniring     | 1        |
| 4        | 70-2780  | Piston      | 1        |
| 5        |          | O-Ring      | 1        |
| 6        |          | O-Ring      | 1        |
| 7        |          | Back-up     | 1        |

| Ref. No. | Part No. | Description                                 | No. Used |
|----------|----------|---------------------------------------------|----------|
| 8        | 70-2770  | Head                                        |          |
| 9        |          | Seal - Dust                                 | 1        |
| 10       | 43-5220  | Ring - Retaining                            | 1        |
| 11       | 43-5230  | Shaft/Clevis                                | 1        |
| *        | 86-5360  | Seal Repair Kit<br>(Incl. Ref. #3, 5-7 & 9) | 1        |

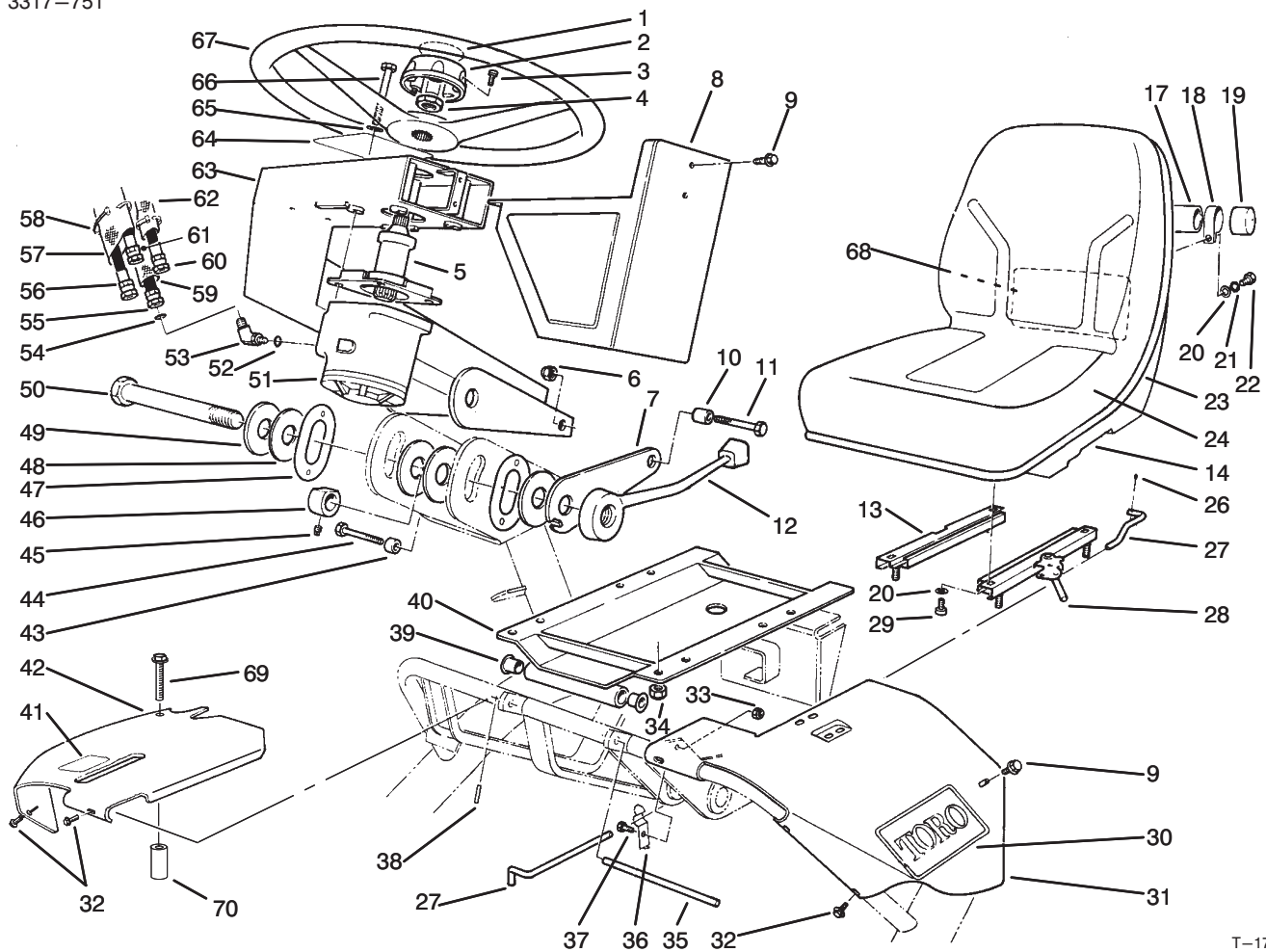
\*Not Illustrated



T-1767A

## STEERING & SEAT ASSEMBLY

| Ref. No. | Part No. | Description                             | No. Used | Ref. No. | Part No. | Description                        | No. Used |
|----------|----------|-----------------------------------------|----------|----------|----------|------------------------------------|----------|
| 1        | 68-5370  | Decal - Steering Wheel                  | 1        | 28       | 51-0790  | Adjuster - Seat                    | 1        |
| 2        | 68-5140  | Cap - Steering Wheel<br>(Incl. Ref. #3) | 1        | 29       | 3274-12  | Screw - Cap, Hex. Hd.              | 4        |
| 3        | 32144-21 | Screw - Fillister Head                  | 1        | 30       | 62-5550  | Decal - TORO                       | 2        |
| 4        | 47-6990  | Nut - Lock                              | 1        | 31       | 68-4690  | Shield - Valve Cover, LH           | 1        |
| 5        | 68-5170  | Column - Steering                       | 1        | 32       | 32104-76 | Screw - Self Tapping               | 5        |
| 6        | 3296-25  | Nut - Lock                              | 2        | 33       | 3296-16  | Nut - Lock                         | 1        |
| 7        | 68-5480  | Plate - Arm, Steering                   | 1        | 34       | 3296-29  | Nut - Lock                         | 4        |
| 8        | 68-5120  | Cover - Valve, Steering                 | 1        | 35       | 49-5880  | Shaft - Support, Seat              | 1        |
| 9        | 12-3270  | Screw - Thread Forming                  | 6        | 36       | 68-5310  | Clip - Seat                        | 1        |
| 10       | 68-5450  | Spacer - Arm, Pivot LH                  | 1        | 37       | 321-3    | Screw - Cap, Hex. Hd.              | 1        |
| 11       | 325-8    | Screw - Cap, Hex. Hd.                   | 1        | 38       | 32121-45 | Pin - Roll                         | 1        |
| 12       | 68-5300  | Lever - Arm, Lock                       | 1        | 39       | 256-155  | Bushing                            | 2        |
| 13       | 51-0780  | Slide - Seat                            | 1        | 40       | 49-5840  | Support - Seat<br>(Incl. Ref. #39) | 1        |
| 14       | 92-6534  | Shell - Seat                            | 1        | 41       | 51-0010  | Decal - Traction                   | 1        |
| 17       | 65-5871  | Tube                                    | 1        | 42       | 68-4680  | Shield - Valve Cover, RH           | 1        |
| 18       | 2412-102 | Clamp-R                                 | 2        | 43       | 68-5440  | Spacer - Arm, Pivot RH             | 1        |
| 19       | 65-5890  | Cap - Tube                              | 2        | 44       | 325-7    | Screw - Cap, Hex. Hd.              | 1        |
| 20       | 3256-23  | Washer - Flat                           | 6        | 45       | 3242-1   | Screw - Cap, Hex. Hd.              | 1        |
| 21       | 3253-4   | Washer - Lock                           | 2        | 46       | 68-5420  | Hub - Locking                      | 1        |
| 22       | 322-2    | Screw - Cap, Hex. Hd.                   | 2        | 47       | 68-5430  | Plate - Wear                       | 2        |
| 23       | 351-78   | Edging                                  | 2        | 48       | 31-0390  | Washer - Friction                  | 4        |
| 24       | 92-6533  | Kit - Cushion                           | 1        | 49       | 68-5290  | Washer - Arm, Steering             | 1        |
| 26       | 3272-11  | Pin - Cotter                            | 1        | 50       | 3216-16  | Screw - Cap, Hex. Hd.              | 1        |
| 27       | 68-5100  | Rod - Seat                              | 1        | 51       | 92-8690  | Steering Valve Assembly            | 1        |

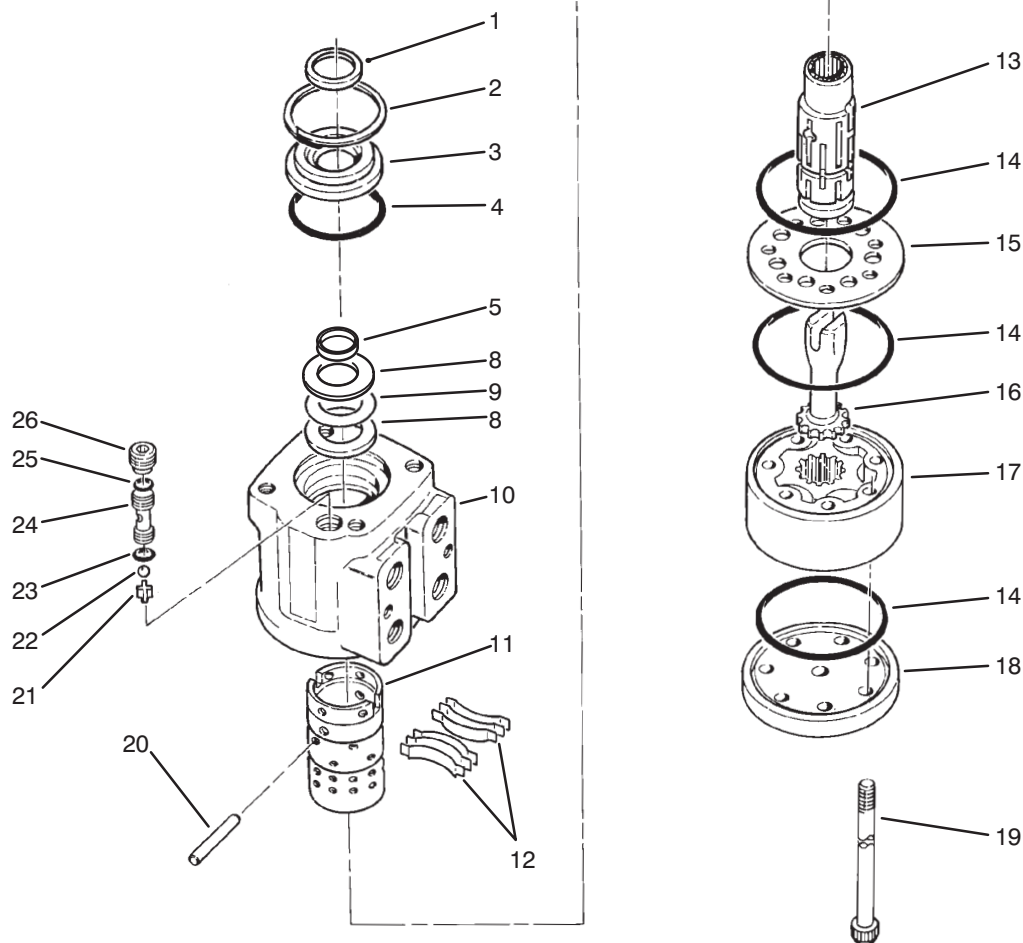


T-1767A

## STEERING & SEAT ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                         | No. Used | Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|-----------------------------------------------------|----------|----------|----------|--------------------------------------------|----------|
| 52       | 237-42   | O-Ring                                              | 4        | 62       | 70-8446  | Sleeve - Protective                        | 1        |
| 53       | 340-137  | Fitting - Hydraulic<br>(Incl. Ref. #52 & 54)        | 4        | 63       | 68-4700  | Arm - Steering                             | 1        |
| 54       | 237-35   | O-Ring                                              | 4        | 64       | 75-9380  | Decal - Caution                            | 1        |
| 55       | 68-5840  | Hose - Pump, Steering<br>(Incl. Ref. #58 & 59)      | 1        | 65       | 3256-24  | Washer - Flat                              | 4        |
| 56       | 68-5750  | Hose - Steering, Cyl. Base<br>(Incl. Ref. #57 & 58) | 1        | 66       | 323-20   | Screw - Cap, Hex. Hd.                      | 4        |
| 57       | 56-7983  | Sleeve - Protective                                 | 1        | 67       | 68-5130  | Wheel - Steering<br>(Incl. Ref. #2 & 3)    | 1        |
| 58       | 3290-378 | Tie - Cable                                         | 6        | 68       | 92-1196  | Decal - Service                            | 1        |
| 59       | 70-8445  | Sleeve - Protective                                 | 1        | 69       | 94-2691  | Screw - HWH                                | 1        |
| 60       | 68-5740  | Hose Assembly<br>(Incl. Ref. #58 & 60)              | 1        | 70       | 76-2660  | Tube - Spacer                              | 1        |
| 61       | 68-5760  | Hose - Steering, Cyl. Rod<br>(Incl. Ref. #57 & 58)  | 1        | *        | 92-1180  | Seat Assembly<br>(Incl. Ref. #14, 23 & 24) | 1        |

\*Not Illustrated



T-1442

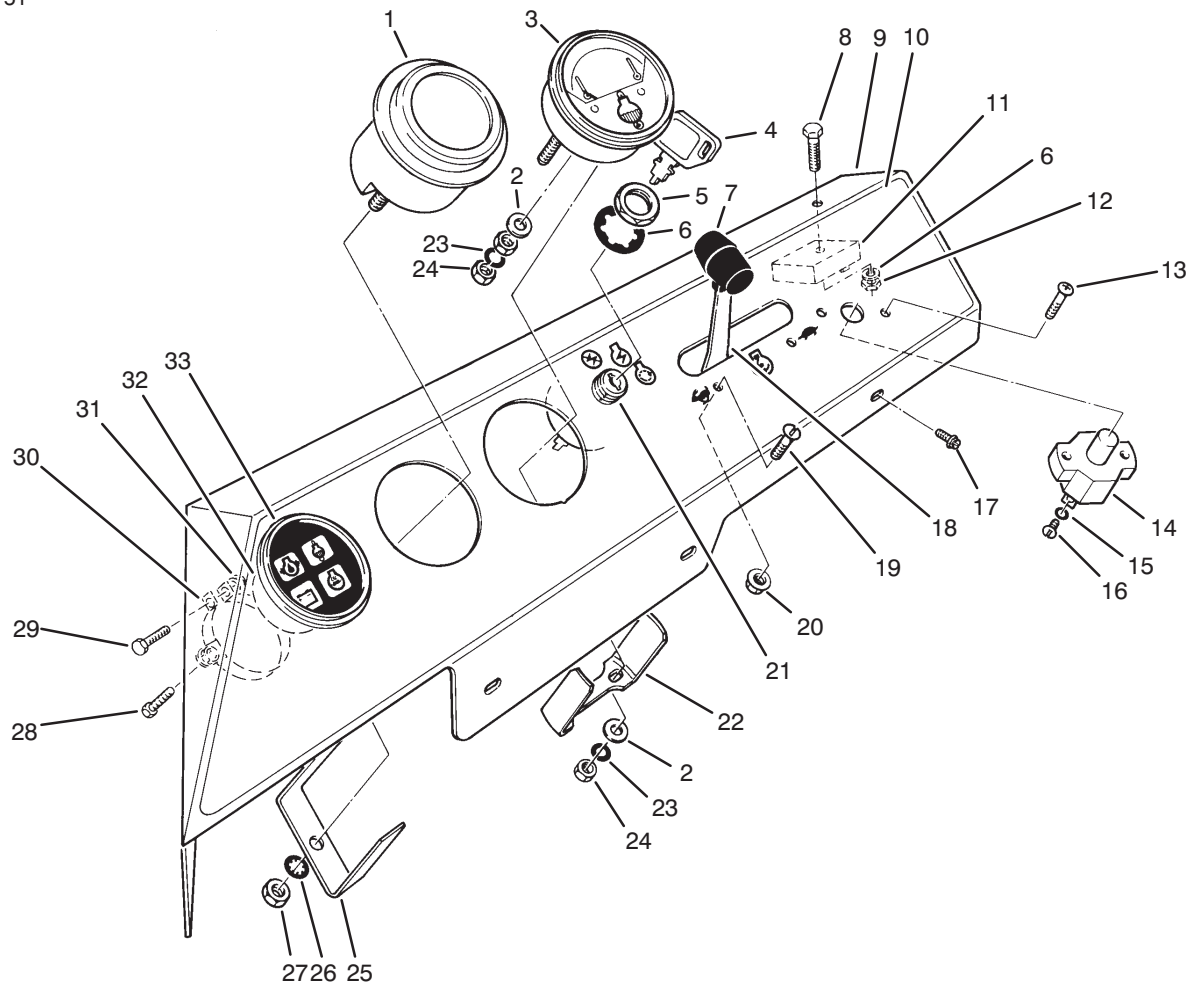
## POWER STEERING VALVE NO. 92-8690

| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| †1       |          | Seal – Dust             | 1        |
| 2        | 52-9230  | Ring – Retaining        | 1        |
| 3        | 92-8691  | Bushing – Seal Gland    | 1        |
| †4       |          | O-Ring                  | 1        |
| †5       |          | Seal – One Piece        | 1        |
| 8        | 59-6730  | Race – Bearing          | 2        |
| 9        | 59-6740  | Bearing – Needle Thrust | 1        |
| †10      |          | Housing                 | 1        |
| †11      |          | Sleeve – Control        | 1        |
| 12       | 83-1860  | Centering Spring Kit    | 1        |
| †13      |          | Spool – Control         | 1        |
| †14      |          | O-Ring                  | 3        |
| 15       | 92-8697  | Plate – Wear            | 1        |
| 16       | 70-8250  | Drive                   | 1        |
| 17       | 83-1870  | Gerotor                 | 1        |

| Ref. No. | Part No. | Description                                        | No. Used |
|----------|----------|----------------------------------------------------|----------|
| 18       | 92-8694  | Cap – End                                          | 1        |
| 19       | 92-8696  | Screw – Torx Hd.                                   | 7        |
| 20       | 59-6830  | Centering Pin Kit                                  | 1        |
| 21       | 52-9290  | Retainer – Ball Check                              | 1        |
| 22       | 52-9280  | Ball – Check                                       | 1        |
| †23      |          | O-Ring                                             | 1        |
| 24       | 52-9270  | Seat – Ball Check                                  | 1        |
| †25      |          | O-Ring                                             | 1        |
| 26       | 52-9260  | Screw – Set                                        | 1        |
| *        | 83-1880  | Control Parts Assembly<br>(Incl. Ref. #10-13 & 20) | 1        |
| *        | 92-8695  | Seal Kit<br>(Incl. Ref. #1, 4, 5, 14,<br>23 & 25)  | 1        |

\*Not Illustrated

†Not Serviced Separately

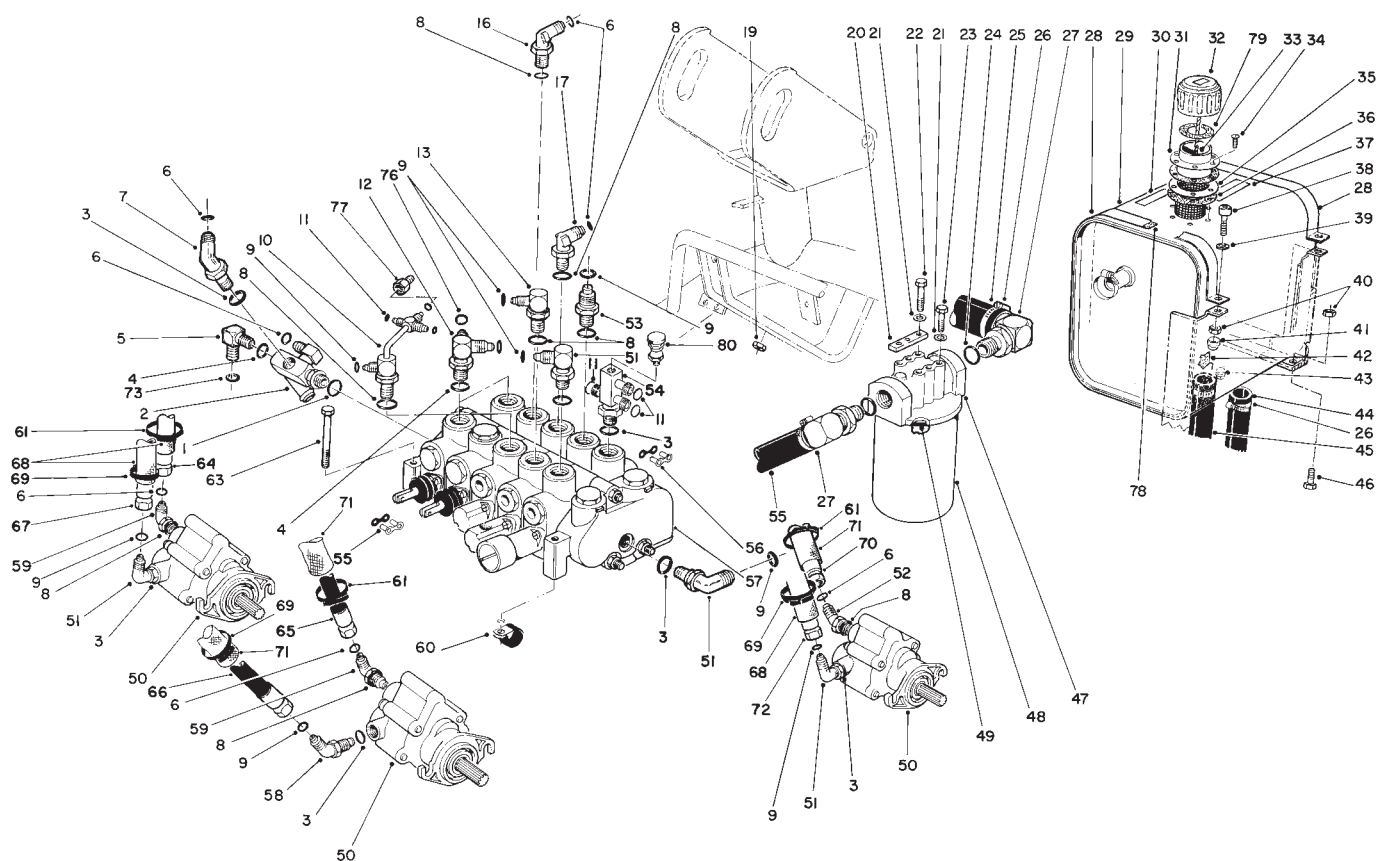


T-0814

## INSTRUMENT PANEL ASSEMBLY

| Ref. No. | Part No. | Description                        | No. Used | Ref. No. | Part No. | Description                         | No. Used |
|----------|----------|------------------------------------|----------|----------|----------|-------------------------------------|----------|
| 1        | 66-2950  | Hour Meter                         | 1        | 19       | 32105-8  | Screw - Round Head                  | 2        |
| 2        | 3256-14  | Washer - Flat                      | 4        | 20       | 32149-7  | Nut - Lock                          | 2        |
| 3        | 63-7430  | Gauge - Temperature                | 1        | 21       | 27-2360  | Switch - Key<br>(Incl. Ref. #5 & 6) | 1        |
| 4        | 63-8360  | Key                                | 1        | 22       | 39-9600  | Clamp - Mounting                    | 1        |
| 5        | 218-446  | Nut                                | 1        | 23       | 3253-12  | Washer - Lock                       | 5        |
| 6        | 218-447  | Washer - Lock                      | 1        | 24       | 3256-49  | Nut - Lock                          | 6        |
| 7        | 233-50   | Knob - Throttle                    | 1        | 25       | 218-515  | Bracket - Mounting                  | 1        |
| 8        | 321-8    | Screw - Cap Hex. Hd.               | 1        | 26       | 3254-1   | Washer - Lock, Int. Tooth           | 1        |
| 9        | 92-2544  | Panel - Instrument                 | 1        | 27       | 3217-26  | Nut                                 | 1        |
| 10       | 92-2529  | Decal- Panel, Instrument           | 1        | 28       | 32144-1  | Screw - Thread Forming              | 2        |
| 11       | 92-2538  | Timer - Glow Plug                  | 1        | 29       | 32105-1  | Screw - Cap, Hex. Hd.               | 1        |
| 12       | 3296-16  | Nut - Lock                         | 1        | 30       | 69-4780  | Clamp Hose                          | 1        |
| 13       | 32122-53 | Screw - Phillips Hd.               | 2        | 31       | 3296-2   | Nut - Lock                          | 1        |
| 14       | 68-5210  | Breaker - Circuit, 15A             | 1        | 32       | 70-8200  | Socket - Light                      | 4        |
| 15       | 3253-15  | Washer - Lock                      | 2        | 33       | 66-2960  | Light - Cluster, Warning            | 1        |
| 16       | 3250-28  | Screw - Cap, Round Hd.             | 2        | *        | 219-17   | Bulb - Light                        | 4        |
| 17       | 32104-76 | Screw - Acorn Washer Hd.           | 6        |          |          |                                     |          |
| 18       | 68-9931  | Control Throttle<br>(Inc. Ref. #7) | 1        |          |          |                                     |          |

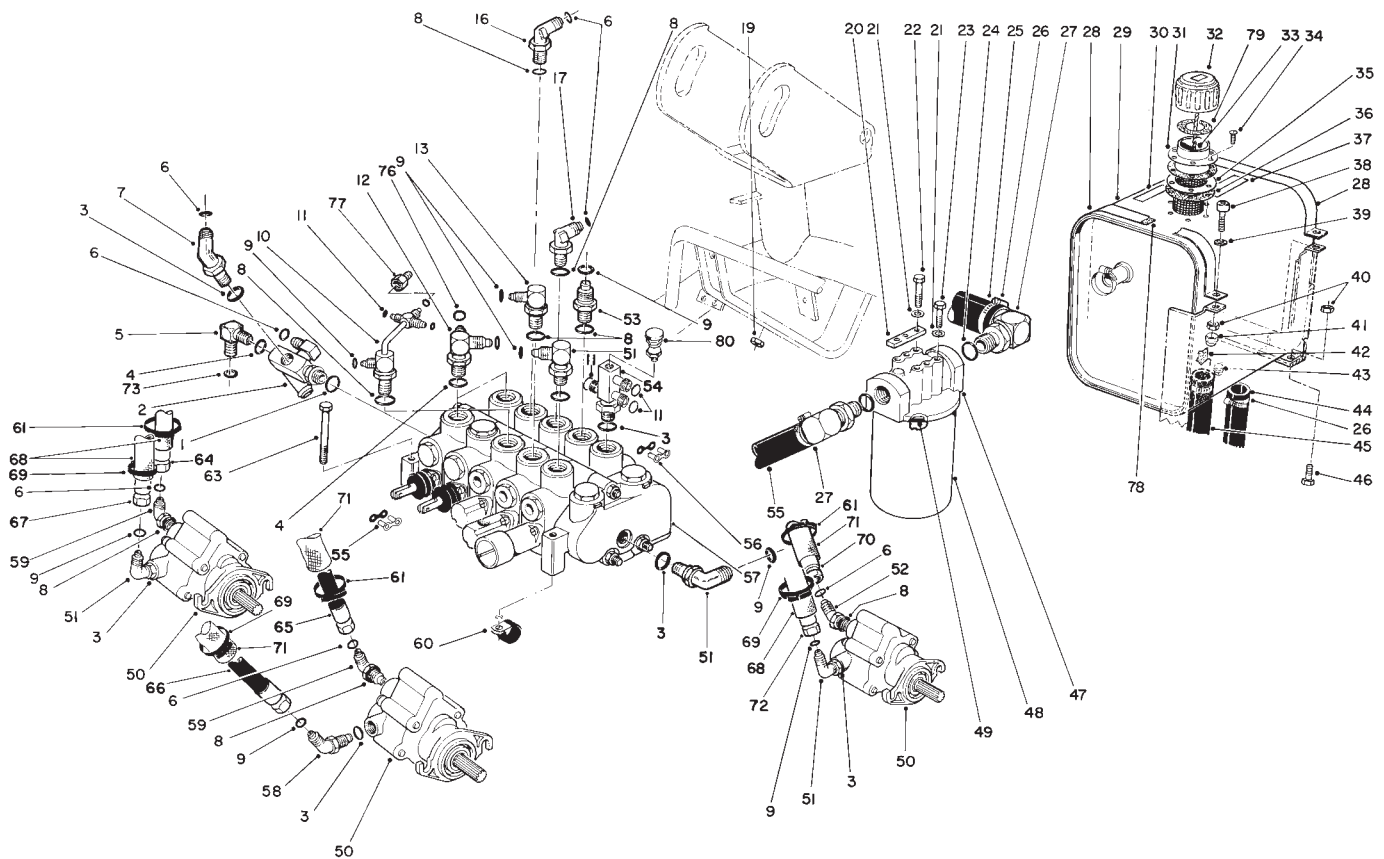
\*Not Illustrated



T-0643A

## VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY

| Ref. No. | Part No. | Description                                       | No. Used | Ref. No. | Part No. | Description                                            | No. Used |
|----------|----------|---------------------------------------------------|----------|----------|----------|--------------------------------------------------------|----------|
| 1        | 237-81   | O-Ring                                            | 1        | 23       | 322-2    | Screw - Cap, Hex. Hd.                                  | 2        |
| 2        | 68-5260  | Orifice - Manifold Drain<br>(Incl. Ref. #1 & 6)   | 1        | 24       | 237-101  | O-Ring                                                 | 2        |
| 3        | 237-42   | O-Ring                                            | 9        | 25       | 68-5890  | Hose - Return, Filter                                  | 1        |
| 4        | 237-80   | O-Ring                                            | 3        | 26       | 2412-3   | Clamp - Hose                                           | 8        |
| 5        | 340-16   | Fitting - Hydraulic<br>(Incl. Ref. #3 & 4)        | 1        | 27       | 353-564  | Fitting - Hydraulic 90°<br>(Incl. Ref. #24)            | 2        |
| 6        | 237-30   | O-Ring                                            | 7        | 28       | 27-2400  | Strap - Reservoir<br>(Incl. Ref. #78)                  | 2        |
| 7        | 340-96   | Fitting - Hydraulic<br>(Incl. Ref. #3 & 6)        | 1        | 29       | 55-8480  | Reservoir - Hydraulic                                  | 1        |
| 8        | 237-79   | O-Ring                                            | 8        | 30       | 58-6530  | Decal - Oil                                            | 1        |
| 9        | 237-22   | O-Ring                                            | 3        | 31       | 353-961  | Adapter - Flange                                       | 1        |
| 10       | 63-4060  | Tube Assembly<br>(Incl. Ref. #8, 9 & 11)          | 1        | 32       | 62-2570  | Cap - Breather<br>(Incl. Ref. #31, 33, 36, 37<br>& 39) | 1        |
| 11       | 237-21   | O-Ring                                            | 7        | 33       | 353-962  | Cap & Chain Assembly                                   | 1        |
| 12       | 63-4050  | Fitting - Traction, Upper<br>(Incl. Ref. #4 & 76) | 2        | 34       | 32144-34 | Screw                                                  | 6        |
| 13       | 340-18   | Fitting - Hydraulic<br>(Incl. Ref. #5 & 9)        | 1        | 35       | 62-2610  | Screen Assembly                                        | 1        |
| 16       | 340-11   | Fitting - Hydraulic<br>(Incl. Ref. #6 & 8)        | 1        | 36       | 353-963  | Gasket                                                 | 2        |
| 17       | 340-101  | Fitting - Hydraulic<br>(Incl. Ref. #6 & 8)        | 1        | 37       | 66-6840  | Decal - Hot Surface                                    | 1        |
| 19       | 32128-20 | Nut - Lock, Flange Hd.                            | 3        | 38       | 3274-19  | Screw - Set                                            | 2        |
| 20       | 27-2380  | Spacer - Mount, Filter                            | 1        | 39       | 3256-22  | Washer - Flat                                          | 2        |
| 21       | 3256-23  | Washer - Flat                                     | 2        | 40       | 3296-16  | Nut - Lock                                             | 4        |
| 22       | 322-4    | Screw - Cap, Hex. Hd.                             | 2        | 41       | 2410-66  | Cap - Vinyl                                            | 1        |
|          |          |                                                   |          | 42       | 27-2420  | Felt - Angle                                           | 2        |
|          |          |                                                   |          | 43       | 281-1    | Plug - Oil                                             | 1        |
|          |          |                                                   |          | 44       | 68-5860  | Hose - Pump, Inlet LH                                  | 1        |
|          |          |                                                   |          | 45       | 68-5870  | Hose - Pump, Inlet RH                                  | 1        |



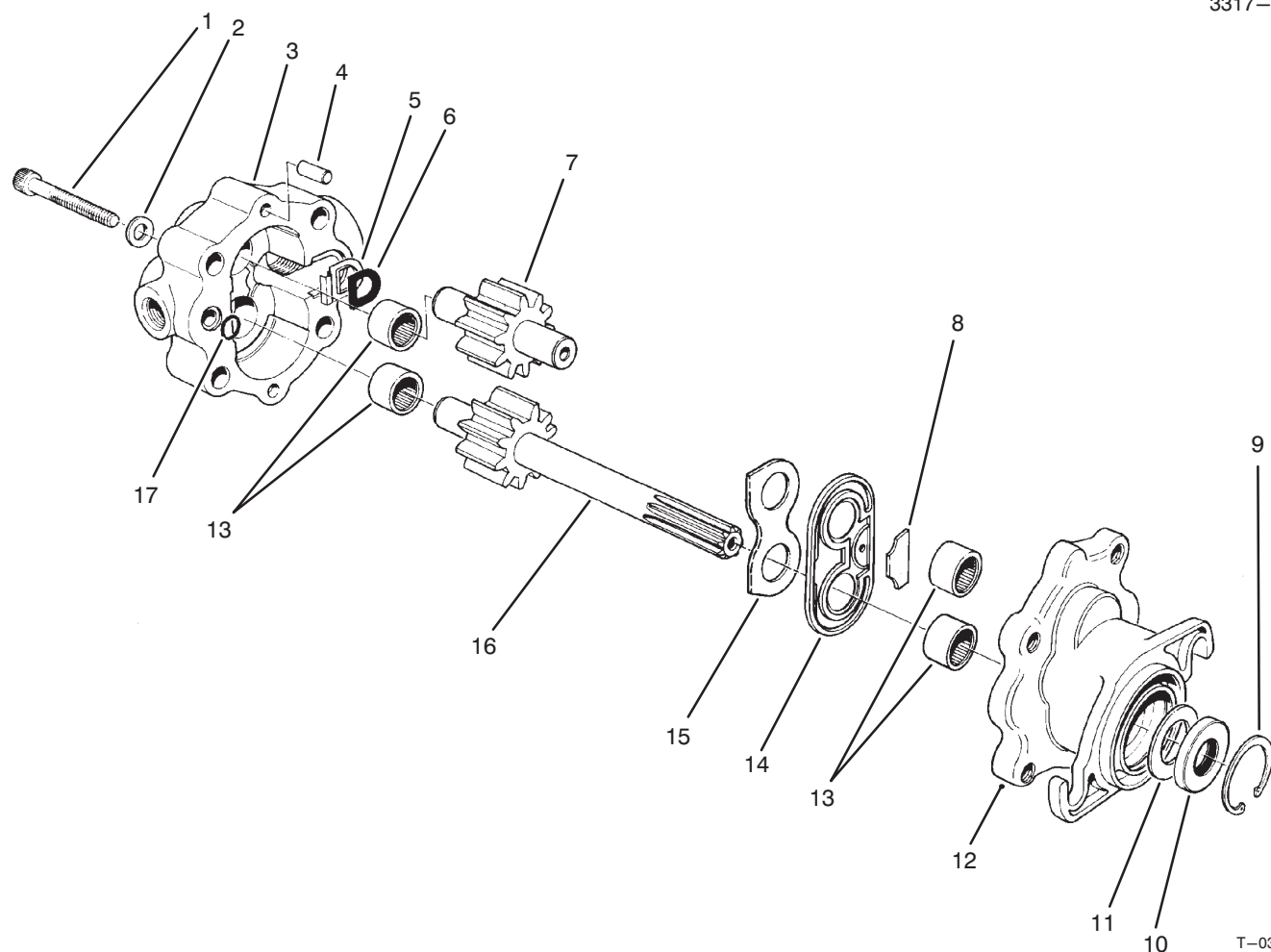
T-0643A

## VALVE BANK AND HYDRAULIC RESERVOIR ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                       | No. Used |
|----------|----------|---------------------------------------------------|----------|
| 46       | 321-3    | Screw - Cap, Hex. Hd.                             | 2        |
| 47       | 44-5560  | Head - Filter, Hydraulic                          | 1        |
| 48       | 74-3570  | Element - Filter<br>(Incl. Ref. #49)              | 1        |
| 49       | 72-3850  | Seal - Ring                                       | 1        |
| 50       | 70-9800  | Motor - Reel                                      | 3        |
| 51       | 340-77   | Fitting - Hydraulic<br>(Incl. Ref. #3 & 9)        | 4        |
| 52       | 340-101  | Fitting - Hydraulic<br>(Incl. Ref. #6 & 8)        | 1        |
| 53       | 340-3    | Fitting - Hydraulic<br>(Incl. Ref. #8 & 9)        | 1        |
| 54       | 92-0587  | Fitting - Hydraulic Valve<br>(Incl. Ref. #3 & 11) | 1        |
| 55       | 68-5880  | Return Line - Manifold/Filter                     | 1        |
| 56       | 57-6220  | Link - Connector                                  | 5        |
| 57       | 84-2203  | Control Valve Assembly                            | 1        |
| 58       | 340-87   | Fitting - Hydraulic<br>(Incl. Ref. #3 & 9)        | 1        |
| 59       | 340-98   | Fitting - Hydraulic<br>(Incl. Ref. #6 & 8)        | 2        |
| 60       | 304-61   | Clamp                                             | 1        |
| 61       | 93-9347  | Clamp - Hose, Return                              | 6        |
| 63       | 322-14   | Screw - Cap, Hex. Hd.                             | 3        |
| 64       | 63-3820  | Hose - Return, RH<br>(Incl. Ref. #68 & 69)        | 1        |

| Ref. No. | Part No. | Description                                           | No. Used |
|----------|----------|-------------------------------------------------------|----------|
| 65       | 63-3830  | Hose - Return, LH<br>(Incl. Ref. #69 & 75)            | 1        |
| 66       | 63-3870  | Hose - Pressure, LH<br>(Incl. Ref. #69 & 74)          | 1        |
| 67       | 63-3810  | Hose - Pressure, RH<br>(Incl. Ref. #68 & 69)          | 1        |
| 68       | 56-7980  | Sleeve - Protective                                   | 3        |
| 69       | 93-9346  | Clamp - Hose, Pressure                                | 6        |
| 70       | 63-3840  | Hose - Return, Rear<br>(Incl. Ref. #69 & 71)          | 1        |
| 71       | 56-7981  | Sleeve - Protective                                   | 3        |
| 72       | 74-3830  | Hose - Assembly<br>(Incl. Ref. #68 & 69)              | 1        |
| 73       | 237-58   | O-Ring                                                | 1        |
| 74       | 56-7986  | Sleeve - Protective                                   | 1        |
| 75       | 56-7987  | Sleeve - Protective                                   | 1        |
| 76       | 237-65   | O-Ring                                                | 4        |
| 77       | 71-0990  | Orifice - One Way                                     | 1        |
| 78       | 27-3030  | Felt - Strap                                          | 2        |
| 79       | 76-1720  | Gasket                                                | 1        |
| 80       | 92-0588  | Bushing - Needle                                      | 1        |
| *        | 88-9500  | Needle Valve Assembly<br>(Incl. Ref. #3, 11, 54 & 80) | 1        |
| *        | 44-2500  | Dye - Hydraulic Oil                                   | 1        |

\*Not Illustrated



T-0300

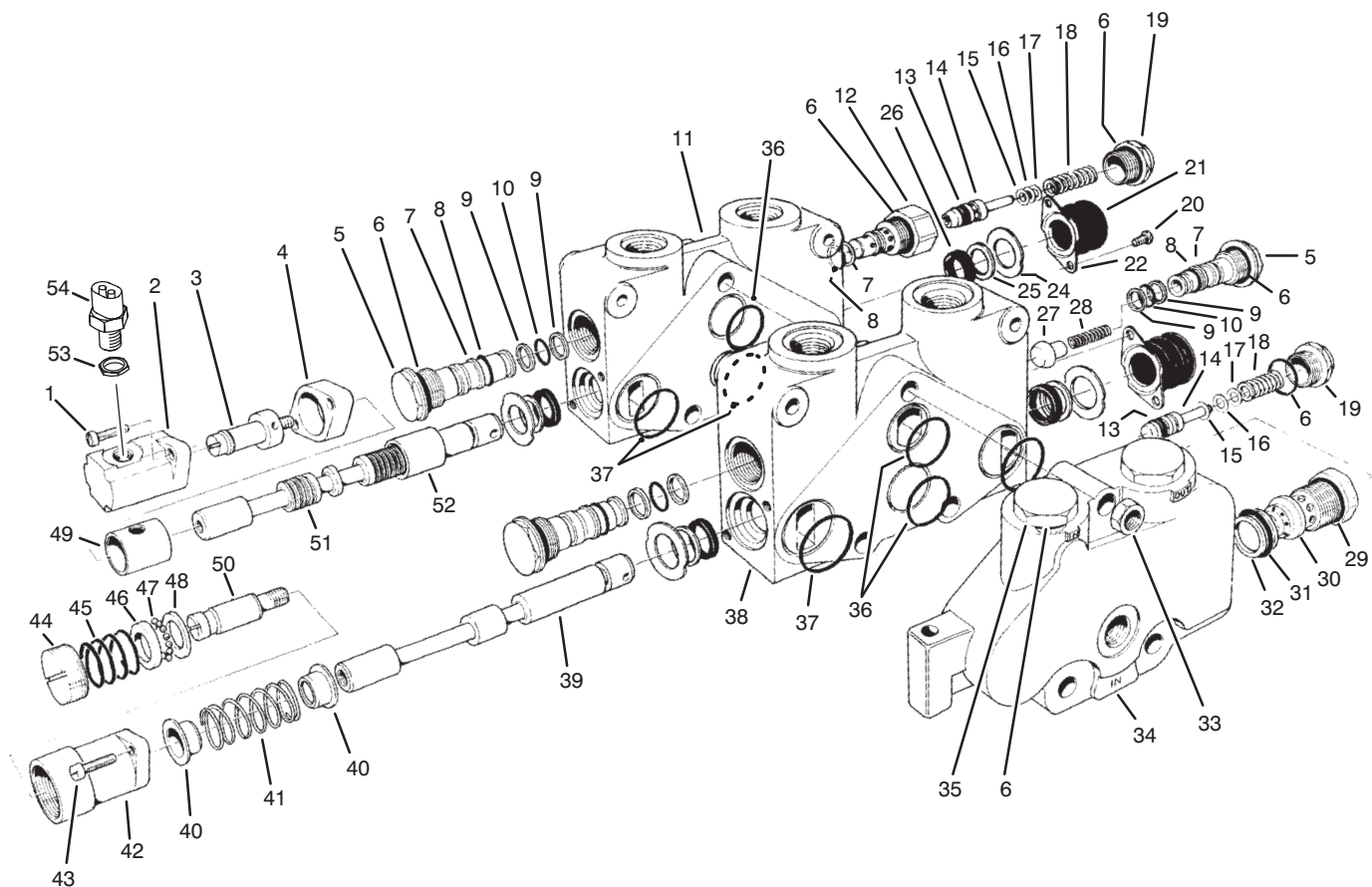
## REEL MOTOR NO. 70-9800

| Ref. No. | Part No. | Description                      | No. Used |
|----------|----------|----------------------------------|----------|
| 1        | 353-601  | Screw — Hex Socket Hd.           | 4        |
| 2        | 353-600  | Washer                           | 4        |
| 3        | 353-588  | Cover — Motor                    | 1        |
| 4        | 353-599  | Pin — Dowel                      | 2        |
| 5        | 353-597  | Bridging — Insert                | 1        |
| 6        | 353-598  | Gasket — Insert                  | 1        |
| 7        | 353-593  | Idle Gear Assembly               | 1        |
| 8        | 353-591  | Block — Anti-Extrusion           | 1        |
| 9        | 32151-41 | Ring — Retaining                 | 1        |
| 10       |          | Seal — Shaft                     | 1        |
| 11       |          | Spacer                           | 1        |
| 12       | 353-777  | Body — Motor<br>(Incl. Ref. #13) | 1        |

| Ref. No. | Part No. | Description                                         | No. Used |
|----------|----------|-----------------------------------------------------|----------|
| 13       | 353-586  | Bearing — Needle                                    | 4        |
| 14       | 353-594  | Seal Assembly                                       | 1        |
| 15       | 353-595  | Plate — Wear                                        | 1        |
| 16       | 353-592  | Drive Shaft Assembly                                | 1        |
| 17       | 353-596  | O-Ring                                              | 1        |
| *        | 72-4380  | Seal Kit<br>(Incl. Ref. #9-11)                      | 1        |
| *        | 72-4390  | Repair Kit<br>(Incl. Ref. #5, 6, 8-11, 14, 15 & 17) |          |
| *†       |          | Seal Installer                                      | 1        |
| *†       |          | Seal Protector                                      | 1        |

\*Not Illustrated

†Special Tool for Installation

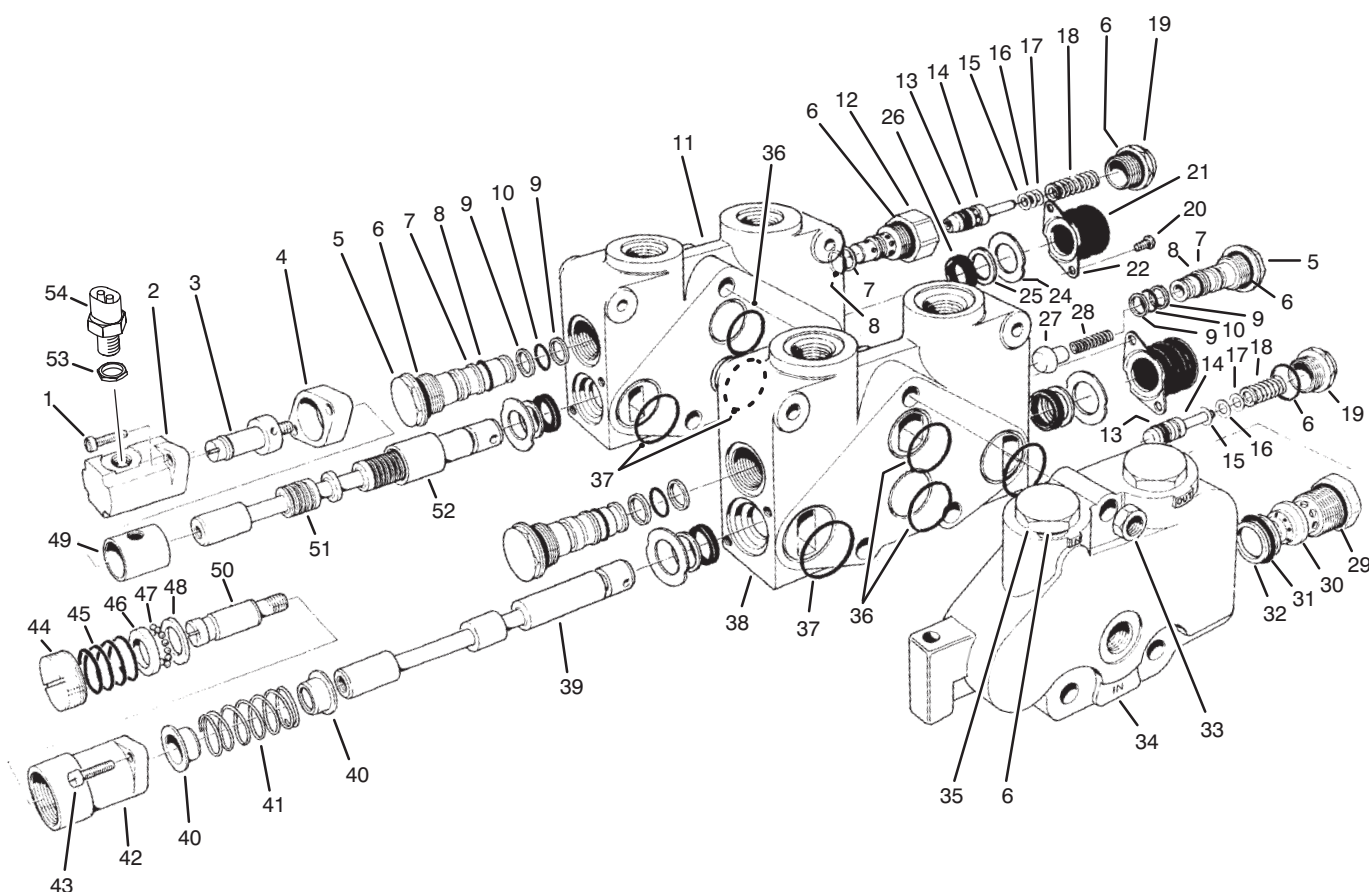


T-1318A

## CONTROL VALVE ASSY. NO. 84-2203 (Sections 1 & 2)

| Ref. No. | Part No. | Description                             | No. Used | Ref. No. | Part No. | Description                           | No. Used |
|----------|----------|-----------------------------------------|----------|----------|----------|---------------------------------------|----------|
| 1        | 3274-70  | Screw - Hex, Socket Hd.                 | 2        | 27       | 353-301  | Poppet                                | 1        |
| 2        | 353-727  | Bonnet                                  | 1        | 28       | 353-304  | Spring                                | 1        |
| 3        | 353-729  | Spud - Detent                           | 1        | 29       | 353-331  | O-Ring                                | 1        |
| 4        | 353-733  | Spacer - Bonnet                         | 1        | 30       | 353-760  | Body Relief                           | 1        |
| 5        | 353-481  | Plug - Load Check<br>(Incl. Ref. #6-10) | 3        | 31       | 353-758  | Seal - O-Ring                         | 1        |
| 6        | 237-54   | O-Ring                                  | 8        | 32       | 353-952  | Ring - Backup                         | 1        |
| 7        | 353-306  | Ring - Backup                           | 4        | 33       | 3217-7   | Nut - Hex                             | 3        |
| 8        | 353-305  | O-Ring                                  | 4        | 34       | 353-772  | Left End Cover                        | 1        |
| 9        | 353-303  | Ring - Backup                           | 6        | 35       | 353-721  | Plug<br>(Incl. Ref. #6)               | 2        |
| 10       | 353-302  | O-Ring                                  | 3        | †36      |          | O-Ring                                | 3        |
| 11       |          | Housing V20T                            | 1        | †37      |          | O-Ring                                | 4        |
| 12       | 353-851  | Body - Relief CP-RC Mod.                | 1        | †38      |          | Housing Section #1                    | 1        |
| 13       | 353-392  | Seal - Relief Poppet PTFE               | 2        | †39      |          | Spool V20 SPL                         | 1        |
| 14       | 353-531  | Poppet Assy.<br>(Incl. Ref. #13)        | 2        | 40       | 353-417  | Collar Spring                         | 2        |
| 15       | 353-328  | Washer - Shim                           | A/R      | 41       | 92-3058  | Spring - Centering                    | 1        |
| 16       | 353-329  | Washer - Shim                           | A/R      | 42       | 353-754  | Bonnet - R. Detent                    | 1        |
| 17       | 353-330  | Washer - Shim                           | A/R      | 43       | 3274-15  | Screw - Fillister Hd.                 | 2        |
| 18       | 353-855  | Spring                                  | 2        | 44       | 353-763  | Cap - Adjustment                      | 1        |
| 19       | 353-334  | Cap - Relief                            | 2        | 45       | 353-579  | Spring                                | 1        |
| 20       | 3274-52  | Screw - Hex, Socket Hd.                 | 4        | 46       | 42-2680  | Race R. Detent                        | 1        |
| 21       | 353-575  | Boot - Dust Cap                         | 2        | 47       | 52-5880  | Ball - Steel                          | 12       |
| 22       | 93-3651  | Retainer - Boot                         | 2        | 48       | 354-29   | Plate - Thrust                        | 1        |
| 24       | 92-2547  | Plate - Seal Retainer                   | 4        | 49       | 353-728  | Sleeve                                | 1        |
| 25       | 92-2546  | Wiper - Seal                            | 4        | 50       | 353-762  | Spud - Detent Out<br>(Incl. Ref. #44) | 1        |
| 26       | 353-957  | Seal - Lip                              | 4        | †51      |          | Spool V20 3 Way F.F.                  | 1        |

†Parts Available as Assemblies Listed as (\*Not Illustrated) on Following Page



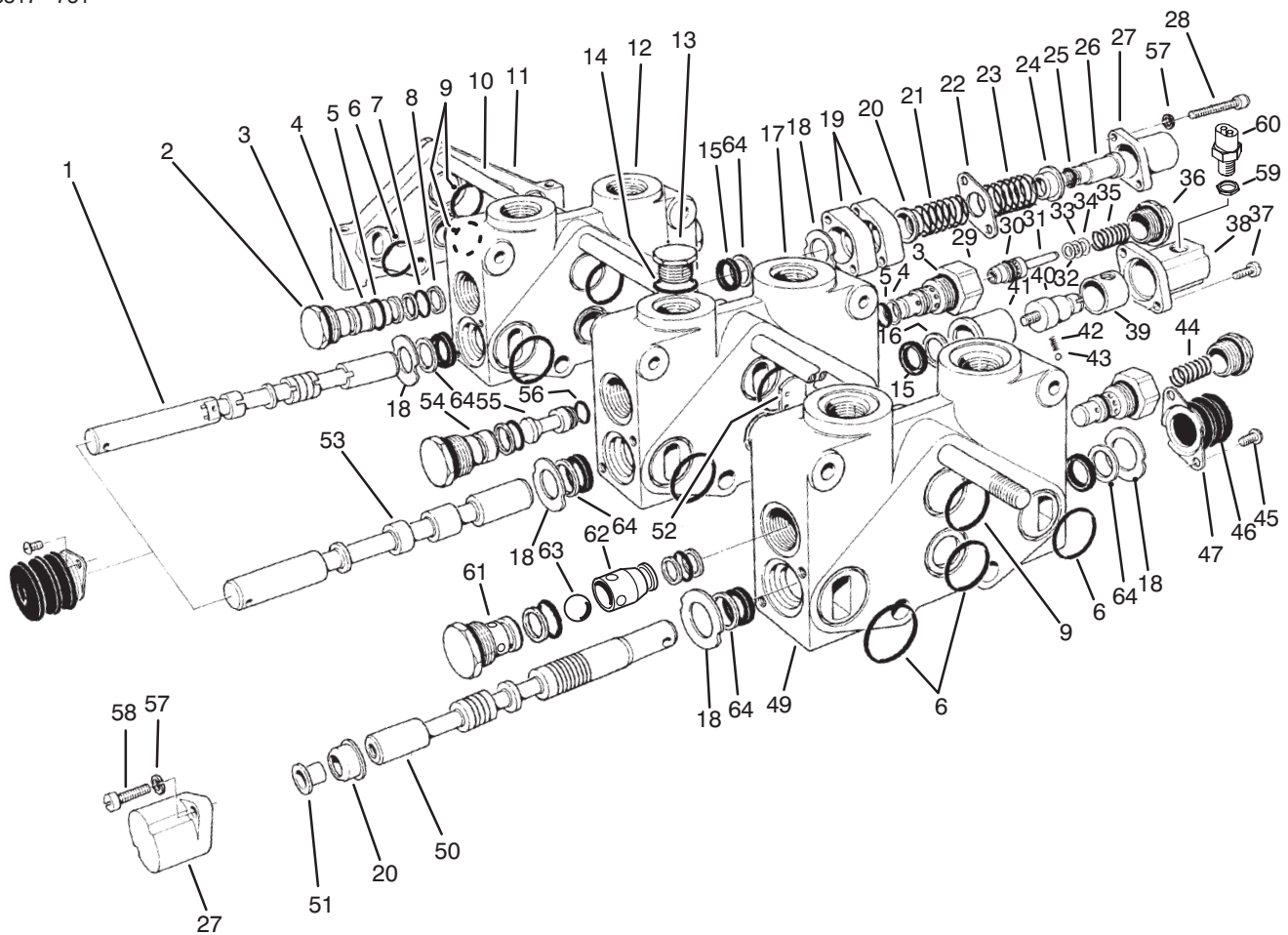
T-1318A

## CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 1 And 2) (Continued)

| Ref. No. | Part No. | Description                                                  | No. Used | Ref. No. | Part No. | Description                                                     | No. Used |
|----------|----------|--------------------------------------------------------------|----------|----------|----------|-----------------------------------------------------------------|----------|
| 52       | 353-732  | Sleeve - Detent                                              | 1        | *        | 353-642  | Relief - RC Mod.<br>(Incl. Ref. #6-8 & 12-19)                   | 2        |
| 53       | 38-0410  | Nut - Hex.                                                   | 1        | *        | 93-3652  | Boot - Spool Assembly<br>(Incl. Ref. #20-22)                    | 2        |
| 54       | 83-1890  | Switch - Ball                                                | 1        | *        | 353-835  | Seals - Section Set<br>(Incl. Ref. #36 & 37)                    | 1        |
| *        | 353-766  | Relief WH (2000) PSI Assy.<br>(Incl. Ref. #6, 13-19 & 29-32) | 1        | *        | 92-2548  | Seals - Spool Single<br>(Single End Set)<br>(Incl. Ref. #24-26) | 1        |
| *        | 353-768  | Section #1 Complete                                          | 1        | *        | 92-2545  | Seals - Spool<br>(Entire Valve Set)                             | 1        |
| *        | 353-837  | Section #2 Complete                                          | 1        |          |          |                                                                 |          |
| *        | 353-780  | Positioner - R. Detent (Out)<br>(Incl. Ref. #3 & 40-49)      | 1        |          |          |                                                                 |          |
| *        | 353-839  | Positioner - DI (SPL) Assy.<br>(Incl. Ref. #1, 3-5, 50 & 52) | 1        |          |          |                                                                 |          |

\*Not Illustrated

†Parts Available as Assemblies Listed as (\*Not Illustrated) on This Page

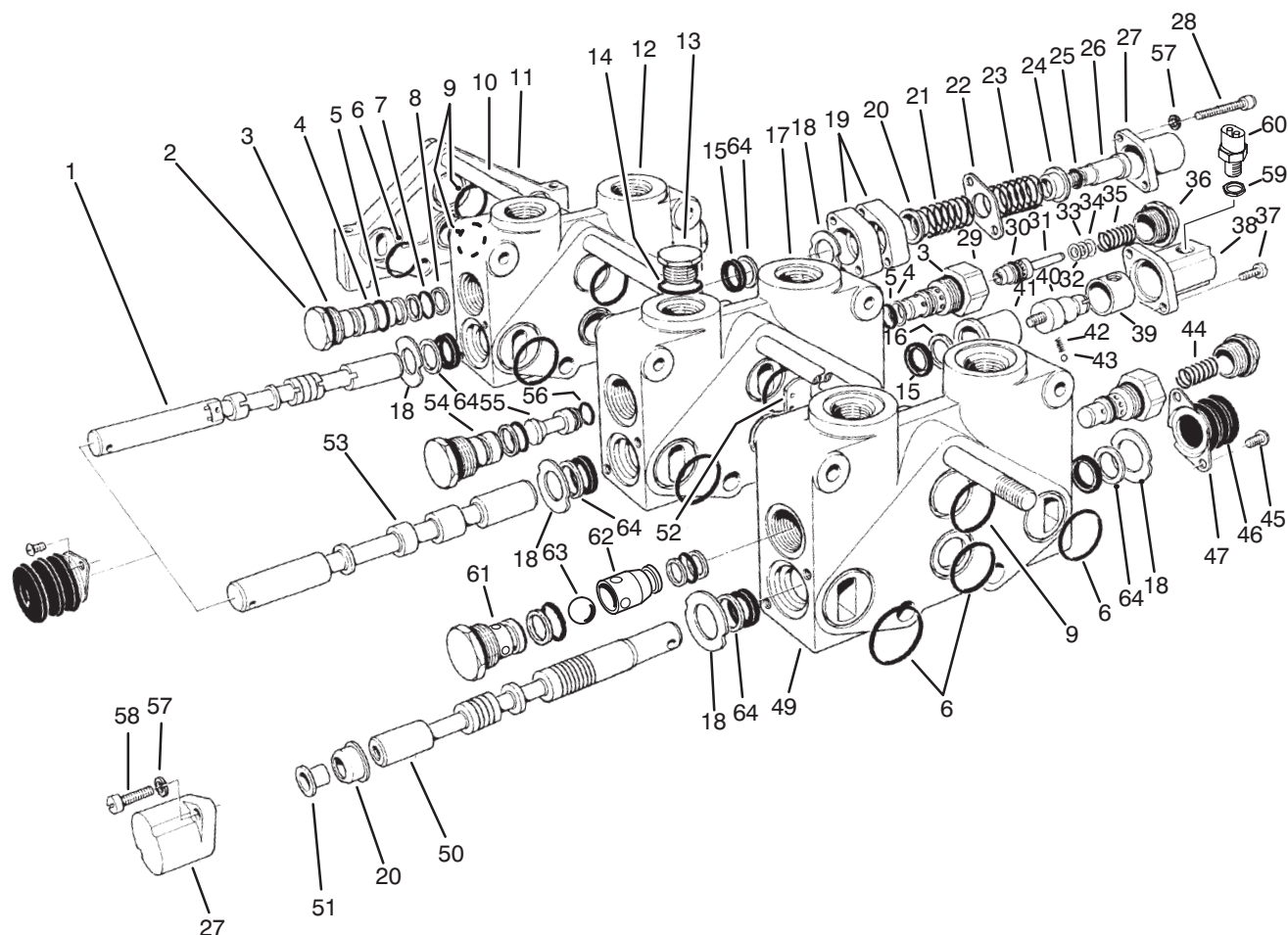


T-1319A

## CONTROL VALVE ASSY. NO. 84-2203 (Sections 3 Thru 5)

| Ref. No. | Part No. | Description                                  | No. Used | Ref. No. | Part No. | Description                         | No. Used |
|----------|----------|----------------------------------------------|----------|----------|----------|-------------------------------------|----------|
| †1       |          | Spool #5                                     | 1        | 25       | 353-830  | O-Ring                              | 1        |
| 2        | 353-481  | Plug - Load Check<br>(Incl. Ref. #3-5 & 7-8) | 3        | 26       | 353-829  | Collar Spool                        | 1        |
| 3        | 237-54   | O-Ring                                       | 6        | 27       | 354-26   | Bonnet                              | 2        |
| 4        | 353-306  | Ring - Backup                                | 5        | 28       | 354-28   | Screw - Hex, Socket Hd.             | 2        |
| 5        | 353-305  | O-Ring                                       | 5        | 29       | 353-851  | Body - Relief CP-RC Mod.            | 2        |
| †6       |          | O-Ring                                       | 11       | 30       | 353-392  | Seal - Relief Poppet PTFE           | 2        |
| 7        | 353-302  | O-Ring                                       | 3        | 31       | 353-531  | Poppet Assembly<br>(Incl. Ref. #30) | 2        |
| 8        | 353-303  | Ring - Backup                                | 6        | 32       | 353-328  | Washer - Shim                       | A/R      |
| †9       |          | O-Ring                                       | 5        | 33       | 353-329  | Washer - Shim                       | A/R      |
| 10       | 353-853  | Bolt - Hex Hd.                               | 3        | 34       | 353-330  | Washer - Shim                       | A/R      |
| 11       | 353-668  | Plate - Cap, Cover RH                        | 1        | 35       | 353-398  | Spring                              | 1        |
| 12       |          | Housing V20 #5                               | 1        | 36       | 353-334  | Cap - Relief                        | 2        |
| 13       | 353-550  | Plug Assembly<br>(Incl. Ref. #14)            | 1        | 37       | 52-5900  | Screw - Fillister Hd.               | 4        |
| 14       | 353-848  | O-Ring                                       | 1        | 38       | 353-847  | Bonnet (SPL)                        | 1        |
| 15       | 353-957  | Seal - Lip                                   | 6        | 39       | 353-849  | Sleeve                              | 1        |
| 16       | 353-958  | Ring - Backup                                | 1        | 40       | 353-846  | Spud - DI (SPL)                     | 1        |
| †17      |          | Housing V20 #4                               | 1        | 41       | 353-845  | Sleeve - Detent                     | 1        |
| 18       | 92-2547  | Plate - Seal Retainer                        | 6        | 42       | 353-730  | Spring                              | 1        |
| 19       | 353-733  | Spacer - Bonnet                              | 2        | 43       | 353-731  | Ball                                | 1        |
| 20       | 353-417  | Collar Spring                                | 2        | 44       | 353-855  | Spring                              | 1        |
| 21       | 353-831  | Spring                                       | 1        | 45       | 3274-52  | Screw - Hex, Socket Hd.             | 6        |
| 22       | 353-529  | Plate Seal                                   | 1        | 46       | 353-575  | Boot - Dust Cap                     | 3        |
| 23       | 92-3148  | Spring                                       | 1        | 47       | 93-3651  | Retainer - Boot                     | 3        |
| 24       | 353-808  | Collar - Spring                              | 1        | 49       |          | Housing V20 #2                      | 1        |
|          |          |                                              |          | †50      |          | Spool V20 3 Way F.F.                | 1        |

†Parts Available as Assemblies Listed as (\*Not Illustrated) on Following Page



T-1319A

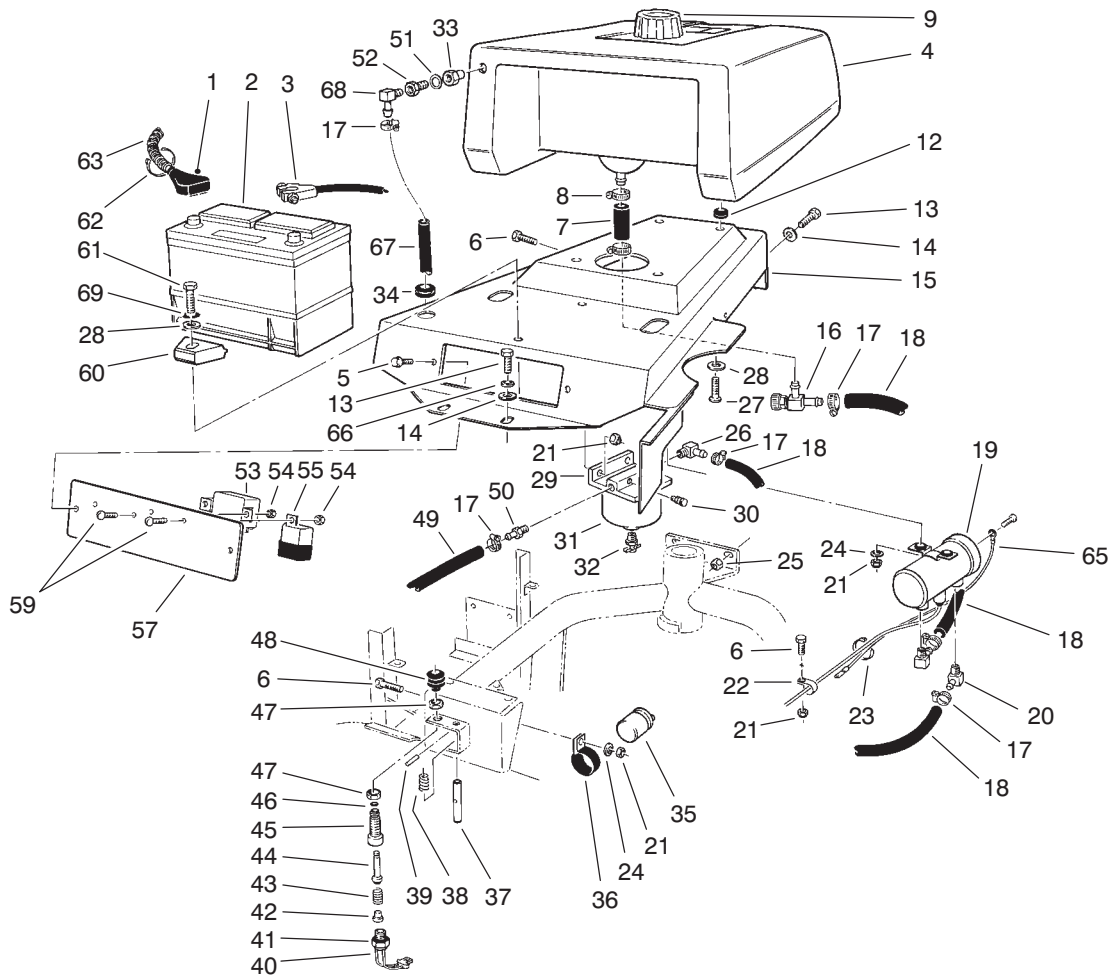
## CONTROL VALVE ASSEMBLY NO. 84-2203 (Sections 3 Thru 5) (Continued)

| Ref. No. | Part No. | Description                                                   | No. Used |
|----------|----------|---------------------------------------------------------------|----------|
| 51       | 52-5860  | Collar — Spool                                                | 1        |
| 52       | 354-122  | Disc — Seal                                                   | 1        |
| †53      |          | Spool #4                                                      | 1        |
| 54       | 353-953  | Plug Assembly                                                 | 1        |
| 55       | 353-844  | Plus Series<br>(Incl. Ref. #56)                               | 1        |
| 56       | 353-850  | O-Ring                                                        | 1        |
| 57       | 3253-3   | Washer — Lock                                                 | 4        |
| 58       | 3274-84  | Screw — Cap, Hex. Hd.                                         | 4        |
| 59       | 38-0410  | Nut — Hex.                                                    | 1        |
| 60       | 83-1890  | Switch — Ball                                                 | 1        |
| 61       | 353-483  | Body — Anticavitation                                         | 1        |
| 62       | 353-484  | Retainer — Ball                                               | 1        |
| 63       | 353-737  | Ball                                                          | 1        |
| 64       | 92-2546  | Wiper — Seal                                                  | 5        |
| *        | 354-129  | Anticavitation Check Assy.<br>(Incl. Ref. #3-5, 7-8, & 61-63) | 1        |
| *        | 353-835  | Seals — Section Set<br>(Incl. Ref. #6 & 9)                    | 1        |
| *        | 93-3652  | Boot — Spool Assembly<br>(Incl. Ref. #45-47)                  | 3        |
| *        | 353-131  | Section #3 Assembly<br>(Complete)                             | 1        |

| Ref. No. | Part No. | Description                                                 | No. Used |
|----------|----------|-------------------------------------------------------------|----------|
| *        | 354-25   | Section #4 Assembly<br>(Complete)                           | 1        |
| *        | 92-1386  | Section #5 Assembly<br>(Complete)                           | 1        |
| *        | 353-841  | Position — Spool Assembly<br>(Incl. Ref. #20, 27, 37, & 51) | 1        |
| *        | 353-840  | Position — DI (SP) Assy.<br>(Incl. Ref. #37-43)             | 1        |
| *        | 353-642  | Relief — RC Mod. Assembly<br>(Incl. Ref. #3-5 & 29-36)      | 1        |
| *        | 353-833  | Positioner Assembly<br>(Incl. Ref. #19-28)                  | 1        |
| *        | 84-2203  | Control Valve Assembly<br>Complete                          | 1        |
| *        | 92-2548  | Seals — Spool Single<br>(Incl. Ref. #15, 18 & 64)           | 1        |
| *        | 92-2549  | Seals — End Set #4 Only<br>(Incl. Ref. #15, 16 & 18)        | 1        |
| *        | 92-2545  | Seals — Spool<br>(Entire Valve Set)                         | 1        |

\*Not Illustrated

†Parts Available as Assemblies Listed as (\*Not Illustrated) on This Page



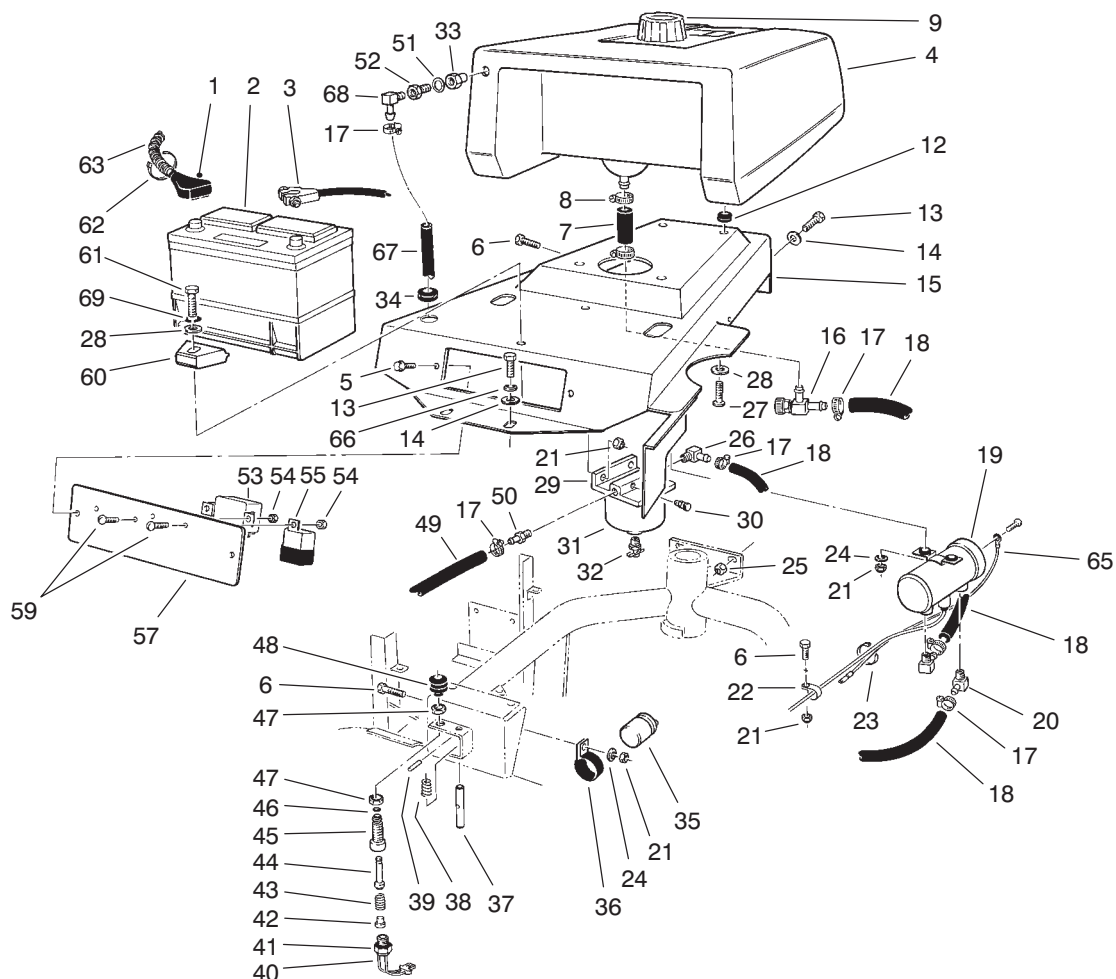
T-0637

## GAS TANK & BATTERY ASSEMBLY

| Ref. No. | Part No. | Description                     | No. Used |
|----------|----------|---------------------------------|----------|
| 1        | 92-1191  | Cable - Battery, Positive       | 1        |
| 2†       |          | Battery                         | 1        |
| 3        | 92-1190  | Cable - Battery, Negative       | 1        |
| 4        | 76-4380  | Tank - Fuel, Diesel             | 1        |
| 5        | 32144-1  | Screw - Thread Forming          | 2        |
| 6        | 321-4    | Screw - Cap, Hex. Hd.           | 4        |
| 7        | 56-2230  | Hose - Fuel                     | 1        |
| 8        | 2412-36  | Clamp - Hose                    | 2        |
| 9        | 55-3577  | Cap - Fuel                      | 1        |
| 12       | 237-136  | Grommet                         | 4        |
| 13       | 323-6    | Screw - Cap, Hex. Hd.           | 4        |
| 14       | 3256-3   | Washer - Flat                   | 4        |
| 15       | 68-5510  | Base - Tank, Fuel               | 1        |
| 16       | 56-2520  | Valve - Shutoff, Fuel           | 1        |
| 17       | 2412-108 | Clamp - Hose                    | 8        |
| 18       | 63-7622  | Hose - Fuel                     | 2        |
| 19       | 53-8150  | Pump - Fuel<br>(Incl. Ref. #65) | 1        |
| 20       | 67-1690  | Fitting                         | 2        |
| 21       | 3296-16  | Nut - Lock                      | 5        |
| 22       | 2412-89  | Clamp-R                         | 1        |
| 23       | 3290-379 | Tie - Cable                     | 3        |
| 24       | 3256-22  | Washer - Flat                   | 3        |
| 25       | 3296-39  | Nut - Lock                      | 2        |
| 26       | 353-707  | Fitting                         | 1        |
| 27       | 3250-36  | Screw - Pan Head                | 4        |

| Ref. No. | Part No. | Description                          | No. Used |
|----------|----------|--------------------------------------|----------|
| 28       | 3256-24  | Washer - Flat                        | 6        |
| 29       | 63-8280  | Head Assembly                        | 1        |
| 30       | 63-8290  | Fitting - Vent                       | 1        |
| 31       | 63-8300  | Element - Filter                     | 1        |
| 32       | 63-8310  | Fitting - Drain                      | 1        |
| 33       | 52-1890  | Wellnut - Rubber                     | 1        |
| 34       | 237-124  | Grommet                              | 1        |
| 35       | 37-2690  | Capacitor                            | 1        |
| 36       | 2412-74  | Clamp-R                              | 1        |
| 37       | 51-0350  | Pin - Spring, Seat                   | 1        |
| 38       | 3-6685   | Spring - Compression                 | 1        |
| 39       | 3284-3   | Pin - Groove                         | 1        |
| 40       | 72-4320  | Switch - Neutral<br>(Incl. Ref. #41) | 1        |
| 41       | 237-30   | O-Ring                               | 1        |
| 42       | 43-8610  | Guide - Spring & Ball Seat           | 1        |
| 43       | 43-8600  | Spring - Compression                 | 1        |
| 44       | 43-8860  | Plunger - Switch                     | 1        |
| 45       | 43-8620  | Guide - Pin, Switch                  | 1        |
| 46       | 237-7    | O-Ring                               | 1        |
| 47       | 218-461  | Nut - Jam                            | 2        |
| 48       | 43-8870  | Boot - Switch                        | 1        |
| 49       | 63-7623  | Hose - Fuel                          | 1        |
| 50       | 353-783  | Fitting - Straight                   | 1        |
| 51       | 53-9880  | Washer                               | 1        |
| 52       | 52-1880  | Adapter - Fitting, Fuel              | 1        |

† Obtain Locally

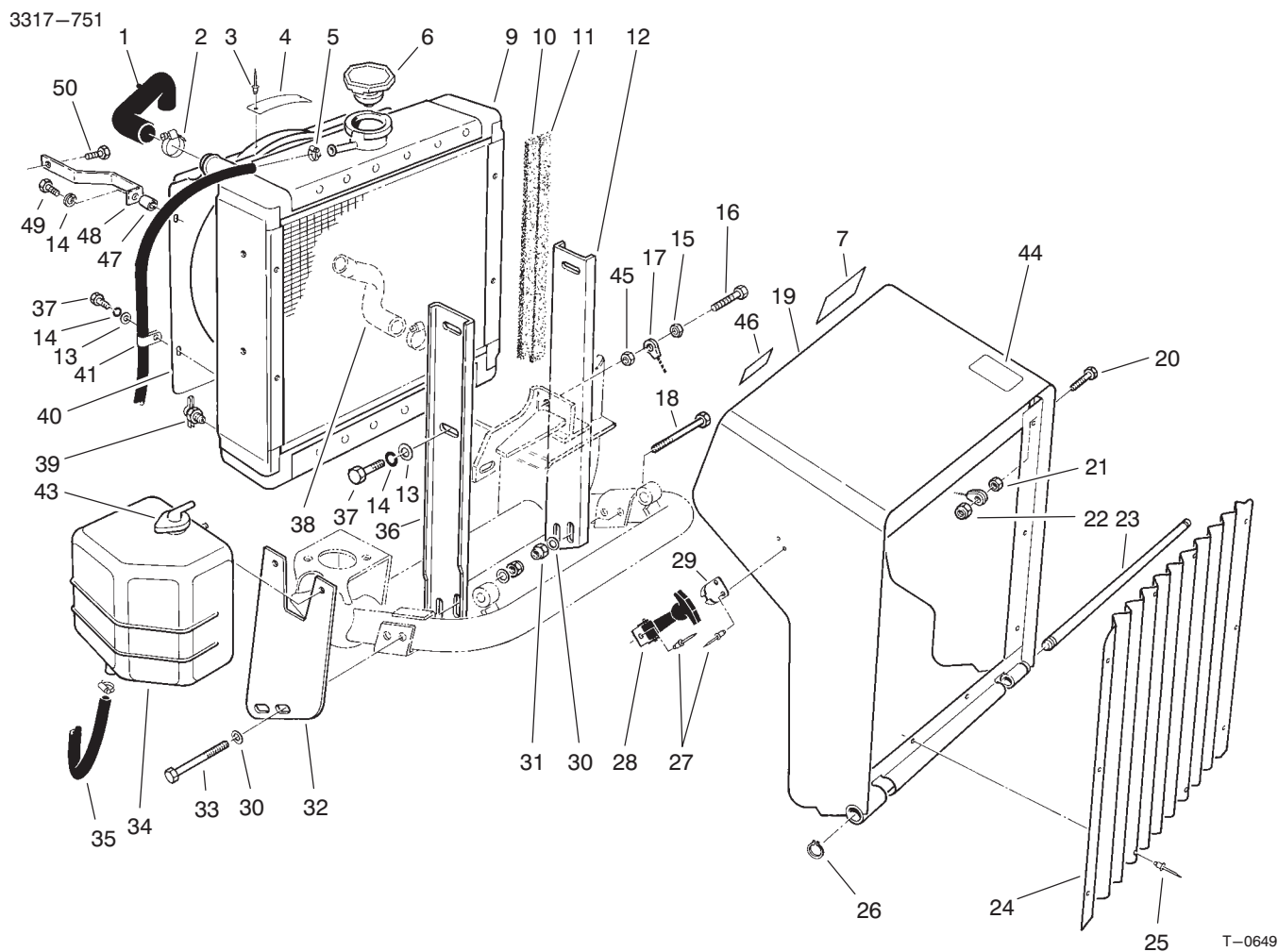


T-0637

## GAS TANK & BATTERY (Continued)

| Ref. No. | Part No. | Description           | No. Used | Ref. No. | Part No. | Description                            | No. Used |
|----------|----------|-----------------------|----------|----------|----------|----------------------------------------|----------|
| 53       | 66-8800  | Relay - Glow          | 1        | 63       | 70-8510  | Tubing - Convolute                     | 1        |
| 54       | 32149-7  | Nut - KEPS            | 4        | 65       | 70-8530  | Wire - Pump, Fuel                      | 1        |
| 55       | 63-7590  | Relay - SPDT          | 2        | 66       | 3253-21  | Washer - Lock                          | 2        |
| 57       | 68-5680  | Plate - Electrical    | 1        | 67       | 76-4420  | Hose - Fuel                            | 1        |
| 59       | 32105-8  | Screw - Machine       | 4        | 68       | 76-4430  | Fitting - Fuel                         | 1        |
| 60       | 66-2490  | Retainer - Battery    | 2        | 69       | 3254-6   | Washer - Lock                          | 2        |
| 61       | 323-9    | Screw - Cap, Hex. Hd. | 2        | *        | 43-9071  | Switch Assembly<br>(Incl. Ref. #40-48) | 1        |
| 62       | 3290-378 | Tie - Cable           | 4        |          |          |                                        |          |

\*Not Illustrated

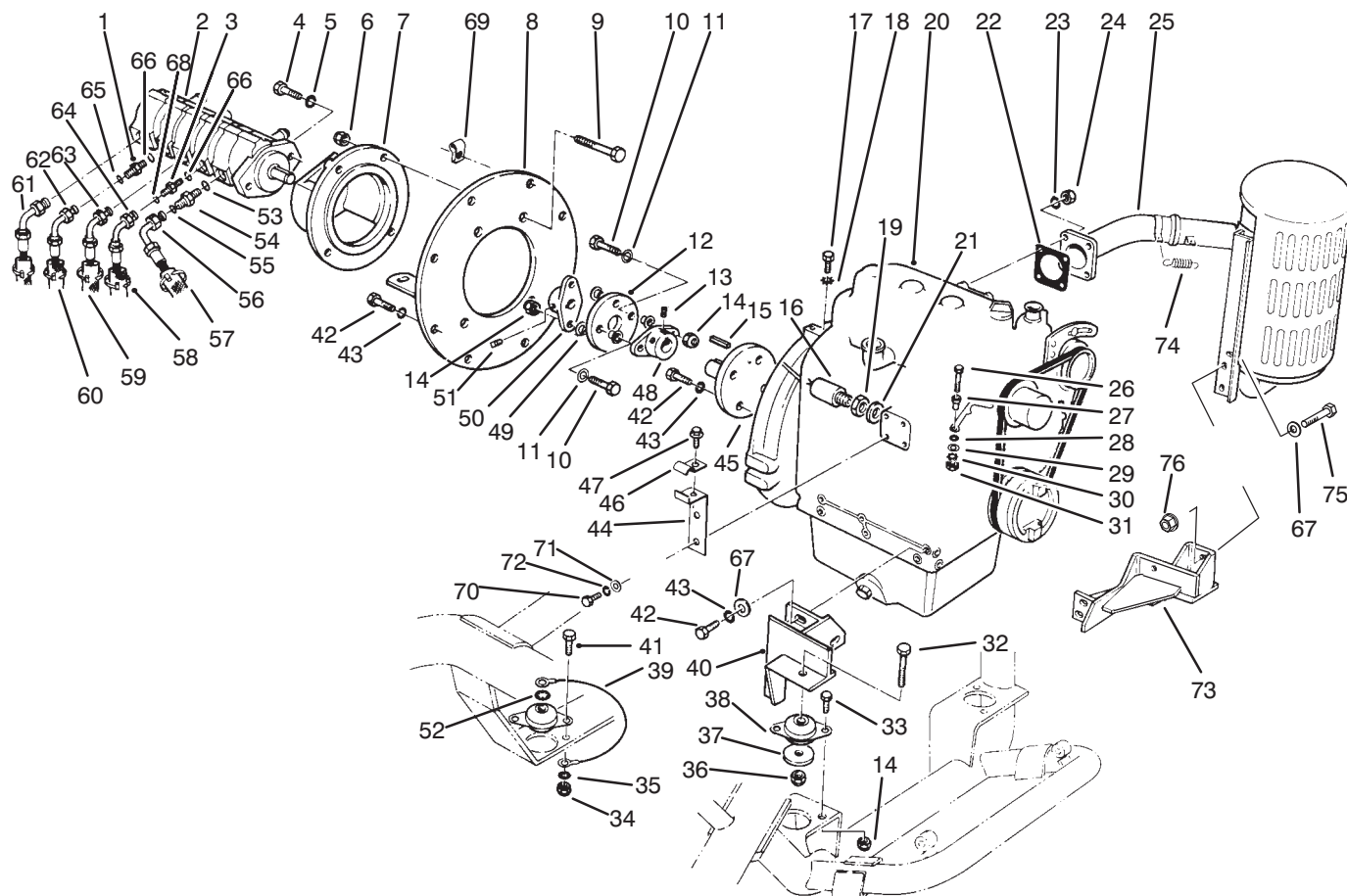


T-0649

## RADIATOR & GRILLE ASSEMBLY

| Ref. No. | Part No. | Description                  | No. Used |
|----------|----------|------------------------------|----------|
| 1        | 68-4850  | Hose - Upper                 | 1        |
| 2        | 2412-3   | Clamp                        | 4        |
| 3        | 3290-271 | Rivet                        | 2        |
| 4        | 76-8750  | Plate - Warning              | 1        |
| 5        | 2412-108 | Clamp - Gear, Worm           | 2        |
| 6        | 66-3240  | Cap - Radiator               | 1        |
| 7        | 83-6730  | Decal - Coolant, Engine      | 1        |
| 9        | 68-5230  | Radiator<br>(Incl. Ref. #39) | 1        |
| 10       | 68-5240  | Strip - Foam                 | 2        |
| 11       | 68-5241  | Strip - Foam                 | 2        |
| 12       | 68-5660  | Support - Radiator, Rear     | 1        |
| 13       | 3256-23  | Washer - Flat                | 7        |
| 14       | 3253-4   | Washer - Lock                | 8        |
| 15       | 3217-6   | Nut - Hex.                   | 1        |
| 16       | 322-6    | Screw - Cap, Hex. Hd.        | 1        |
| 17       | 72-9870  | Cable                        | 1        |
| 18       | 323-12   | Screw - Cap, Hex. Hd.        | 2        |
| 19       | 68-4860  | Hood - Radiator              | 1        |
| 20       | 321-6    | Screw - Cap, Hex. Hd.        | 1        |
| 21       | 3218-1   | Nut - Jam                    | 1        |
| 22       | 3296-16  | Nut - Lock                   | 1        |
| 23       | 85-6560  | Pin - Pivot, Hood            | 1        |
| 24       | 68-5670  | Grille                       | 1        |
| 25       | 3290-409 | Rivet - Pop                  | 10       |

| Ref. No. | Part No.  | Description                        | No. Used |
|----------|-----------|------------------------------------|----------|
| 26       | 32151-101 | Ring - Retaining                   | 2        |
| 27       | 3290-55   | Rivet - Pop                        | 8        |
| 28       | 59-9740   | Latch Assembly<br>(Incl. Ref. #29) | 2        |
| 29       |           | Keeper                             | 2        |
| 30       | 3256-3    | Washer - Flat                      | 6        |
| 31       | 3296-59   | Nut - Lock                         | 4        |
| 32       | 68-5640   | Bracket - Tank, Reserve            | 1        |
| 33       | 323-13    | Screw - Cap, Hex. Hd.              | 2        |
| 34       | 63-7380   | Tank - Reserve                     | 1        |
| 35       | 68-5470   | Hose                               | 1        |
| 36       | 68-5650   | Support - Radiator, Front          | 1        |
| 37       | 322-3     | Screw - Cap, Hex. Hd.              | 7        |
| 38       | 68-4840   | Hose                               | 1        |
| 39       | 304-46    | Cock - Drain, Radiator             | 1        |
| 40       | 68-5180   | Shroud - Radiator                  | 1        |
| 41       | 2412-41   | Clamp                              | 1        |
| 43       | 71-1520   | Cap - Tank, Reserve                | 1        |
| 44       | 63-8440   | Decal - Hot Surface                | 1        |
| 45       | 3296-29   | Nut - Lock                         | 1        |
| 46       | 66-6840   | Decal - Hot Surface                | 1        |
| 47       | 75-9610   | Spacer                             | 1        |
| 48       | 75-9630   | Brace                              | 1        |
| 49       | 322-9     | Screw - Cap, Hex. Hd.              | 1        |
| 50       | 32144-14  | Screw - Cap, Hex. Hd.              | 1        |

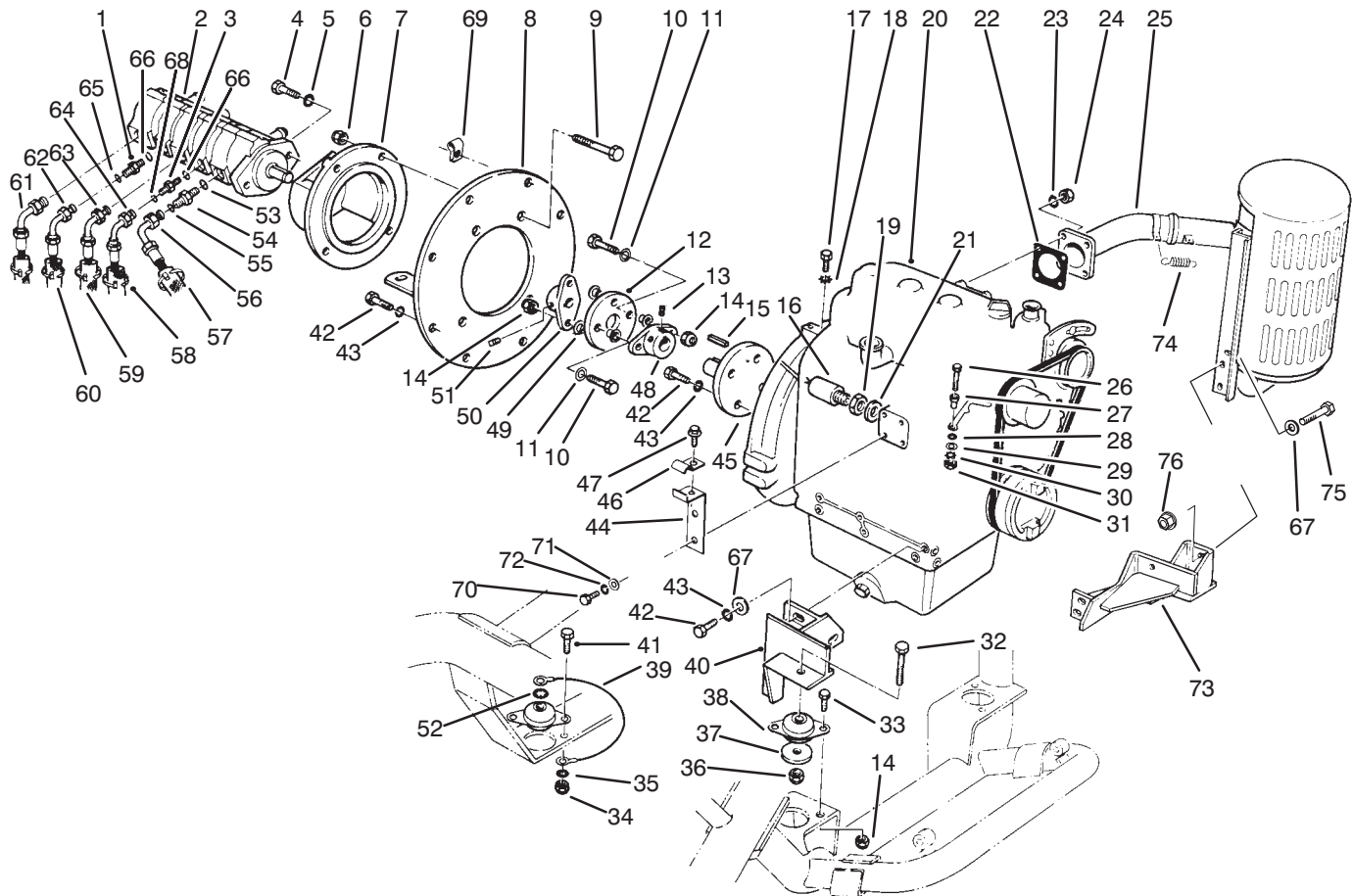


T-1766A

## ENGINE INSTALLATION ASSEMBLY

| Ref. No. | Part No. | Description                                  | No. Used | Ref. No. | Part No. | Description               | No. Used |
|----------|----------|----------------------------------------------|----------|----------|----------|---------------------------|----------|
| 1        | 340-1    | Fitting - Hydraulic<br>(Incl. Ref. #65 & 66) | 1        | 25       | 92-7164  | Muffler - Exhaust         | 1        |
| 2        | 68-4940  | Pump - Gear                                  | 1        | 26       | 67-5110  | Bolt                      | 1        |
| 3        | 340-2    | Fitting - Hydraulic<br>(Incl. Ref. #65 & 68) | 3        | 27       | 67-5100  | Bushing                   | 1        |
| 4        | 323-8    | Screw - Cap, Hex. Hd.                        | 2        | 28       | 67-5120  | Washer - Spring           | 1        |
| 5        | 3253-29  | Washer - Lock                                | 2        | 29       | 67-5130  | Washer - Flat             | 1        |
| 6        | 3296-48  | Nut - Lock                                   | 4        | 30       | 67-5140  | Washer - Serrated         | 1        |
| 7        | 68-4930  | Mount - Pump                                 | 1        | 31       | 67-5150  | Nut                       | 1        |
| 8        | 68-4960  | Plate - Flywheel                             | 1        | 32       | 323-11   | Screw - Cap, Hex. Hd.     | 4        |
| 9        | 324-7    | Screw - Cap, Hex. Hd.                        | 4        | 33       | 322-4    | Screw - Cap, Hex. Hd.     | 7        |
| 10       | 322-6    | Screw - Cap, Hex. Hd.                        | 4        | 34       | 3296-39  | Nut - Lock                | 2        |
| 11       | 3256-23  | Washer - Flat                                | 4        | 35       | 3254-2   | Washer - Lock, Int. Tooth | 1        |
| 12       | 44-2230  | Coupling - Rubber                            | 1        | 36       | 3296-59  | Nut - Lock                | 4        |
| 13       | 3241-2   | Screw - Set, Sq. Hd.                         | 2        | 37       | 63-7400  | Washer - Rebound          | 4        |
| 14       | 3296-29  | Nut - Lock                                   | 12       | 38       | 63-7140  | Mount - Shock             | 4        |
| 15       | 67-7490  | Key                                          | 1        | 39       | 70-8220  | Cable - Ground            | 1        |
| 16       | 63-7440  | Solenoid - Stop                              | 1        | 40       | 68-4990  | Bracket - Engine, RH      | 1        |
| 17       | 70-8470  | Screw                                        | 1        | 41       | 322-5    | Screw - Cap, Hex. Hd.     | 1        |
| 18       | 3255-16  | Washer - Lock, Int. Tooth                    | 1        | 42       | 63-7790  | Screw                     | 18       |
| 19       | 43-2750  | Nut - Jam                                    | 1        | 43       | 48-9590  | Washer - Lock             | 18       |
| 20       | 68-4950  | Engine Assembly                              | 1        | 44       | 68-5090  | Support - Cable, Throttle | 1        |
| 21       | 43-2740  | Gasket - Solenoid                            | 1        | 45       | 68-4920  | Hub - P.T.O.              | 1        |
| 22       | 42-9110  | Gasket - Muffler                             | 1        | 46       | 2412-31  | Clip - Cable              | 1        |
| 23       | 42-9850  | Washer - Lock                                | 4        | 47       | 12-3270  | Screw - Washer Hd.        | 1        |
| 24       | 48-7930  | Nut                                          | 4        | 48       | 27-1960  | Hub                       | 1        |
|          |          |                                              |          | 49       | 27-6600  | Spacer                    | 4        |
|          |          |                                              |          | 50       | 27-1970  | Hub                       | 1        |

\*Not Illustrated



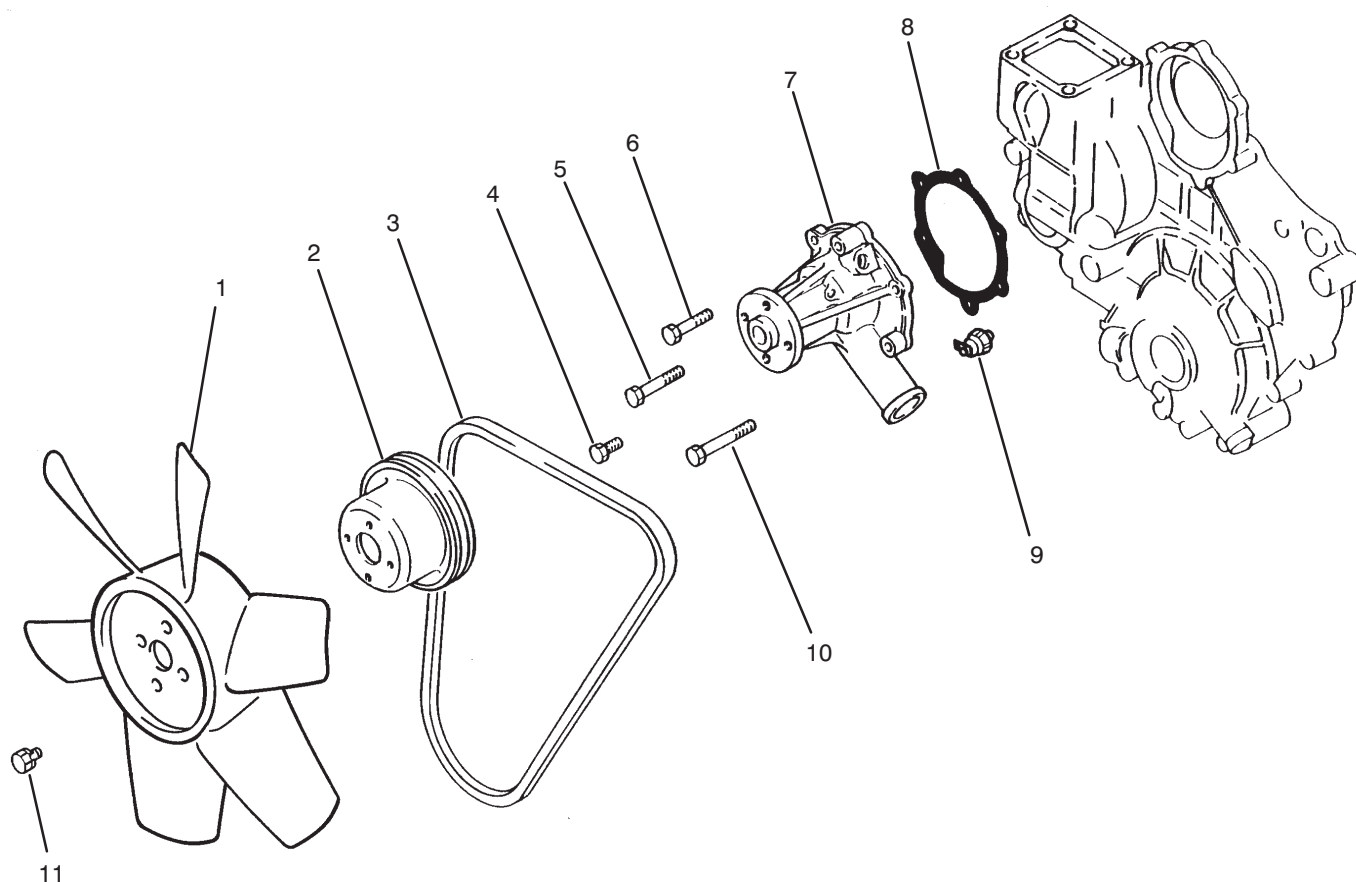
T-1766A

## ENGINE INSTALLATION ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                    | No. Used |
|----------|----------|------------------------------------------------|----------|
| 51       | 3241-6   | Screw - Set, Sq. Hd.                           | 2        |
| 52       | 3254-6   | Washer - Lock, Int. Tooth                      | 1        |
| 53       | 237-80   | O-Ring                                         | 1        |
| 54       | 340-6    | Fitting - Hydraulic<br>(Incl. Ref. #53 & 55)   | 1        |
| 55       | 237-30   | O-Ring                                         | 1        |
| 56       | 68-5810  | Hose - Pump<br>(Incl. Ref. #57 & 58)           | 1        |
| 57       | 56-7984  | Sleeve - Protective                            | 1        |
| 58       | 3290-378 | Tie - Cable                                    | 10       |
| 59       | 70-8450  | Sleeve - Protective                            | 3        |
| 60       | 70-8445  | Sleeve - Protective                            | 1        |
| 61       | 68-5850  | Hose - Pump<br>(Incl. Ref. #58 & 59)           | 1        |
| 62       | 68-5840  | Hose - Pump, Steering<br>(Incl. Ref. #58 & 60) | 1        |
| 63       | 68-5770  | Hose - Pump<br>(Incl. Ref. #58 & 59)           | 1        |

| Ref. No. | Part No. | Description                          | No. Used |
|----------|----------|--------------------------------------|----------|
| 64       | 68-5710  | Hose - Pump<br>(Incl. Ref. #58 & 59) | 1        |
| 65       | 237-35   | O-Ring                               | 1        |
| 66       | 237-42   | O-Ring                               | 4        |
| 67       | 3256-24  | Washer                               | 9        |
| 68       | 237-22   | O-Ring                               | 3        |
| 69       | 2412-39  | Clamp                                | 1        |
| 70       | 48-7630  | Screw - Cap, Metric                  | 1        |
| 71       | 48-8010  | Washer - Flat                        | 1        |
| 72       | 48-8020  | Washer - Lock                        | 1        |
| 73       | 92-7168  | Bracket - Engine, LH                 | 1        |
| 74       | 92-8915  | Spring                               | 2        |
| 75       | 323-7    | Screw - Cap Hex. Hd.                 | 2        |
| 76       | 3290-357 | Nut - Lock                           | 1        |
| *        | 70-8550  | Spark Arrester (Optional)            | 1        |

\*Not Illustrated

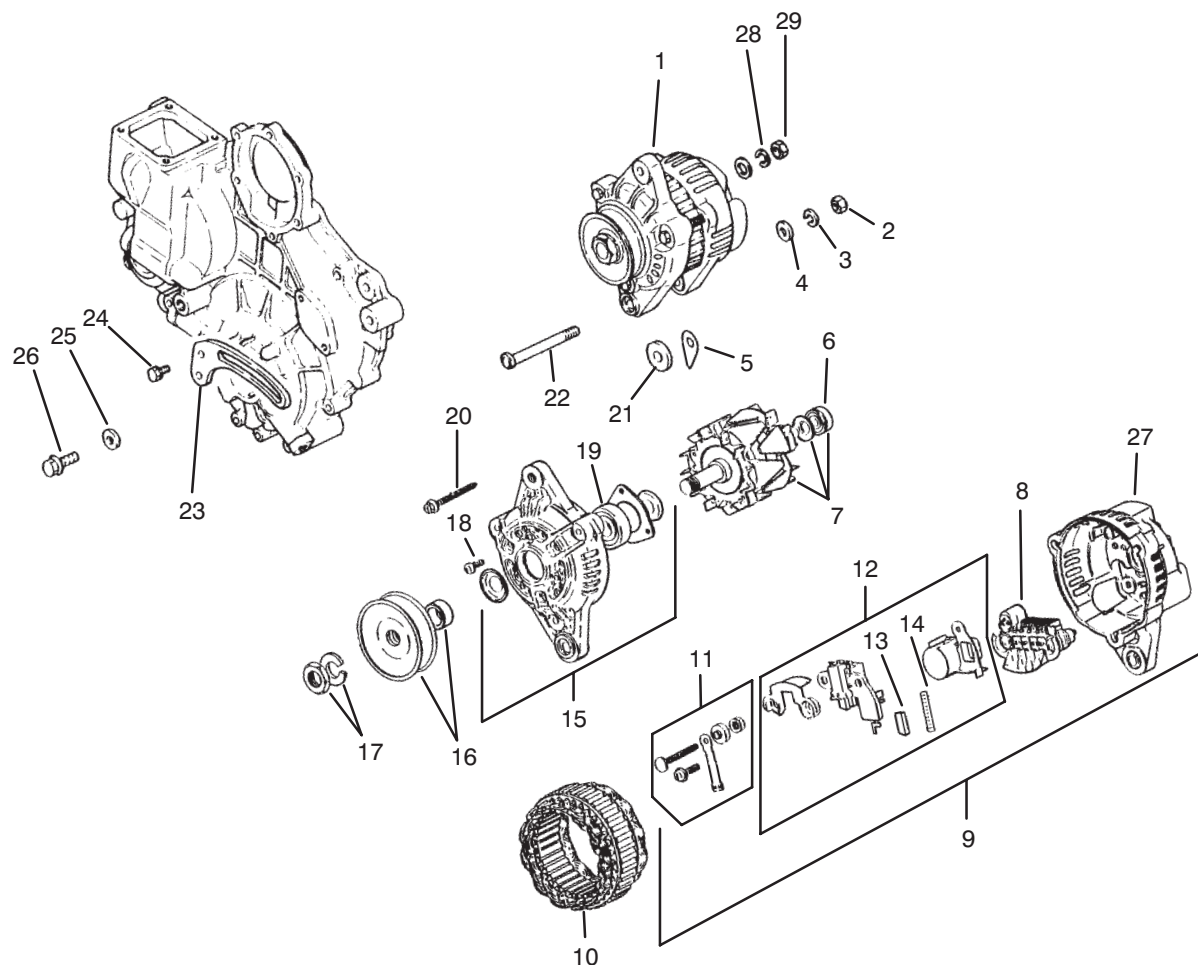


T-0614

## WATER PUMP ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 1        | 70-8730  | Fan         | 1        |
| 2        | 67-4370  | Pulley      | 1        |
| 3        | 67-4410  | Belt - V    | 1        |
| 4        | 67-2330  | Bolt        | 2        |
| 5        | 67-4400  | Bolt        | 1        |
| 6        | 67-2600  | Bolt        | 1        |

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 7        | 70-8740  | Pump Assembly             | 1        |
| 8        | 67-4390  | Gasket                    | 1        |
| 9        | 67-4350  | Switch Assy. - Press. Oil | 1        |
| 10       | 67-2610  | Bolt                      | 2        |
| 11       | 42-9490  | Bolt & Washer             | 4        |

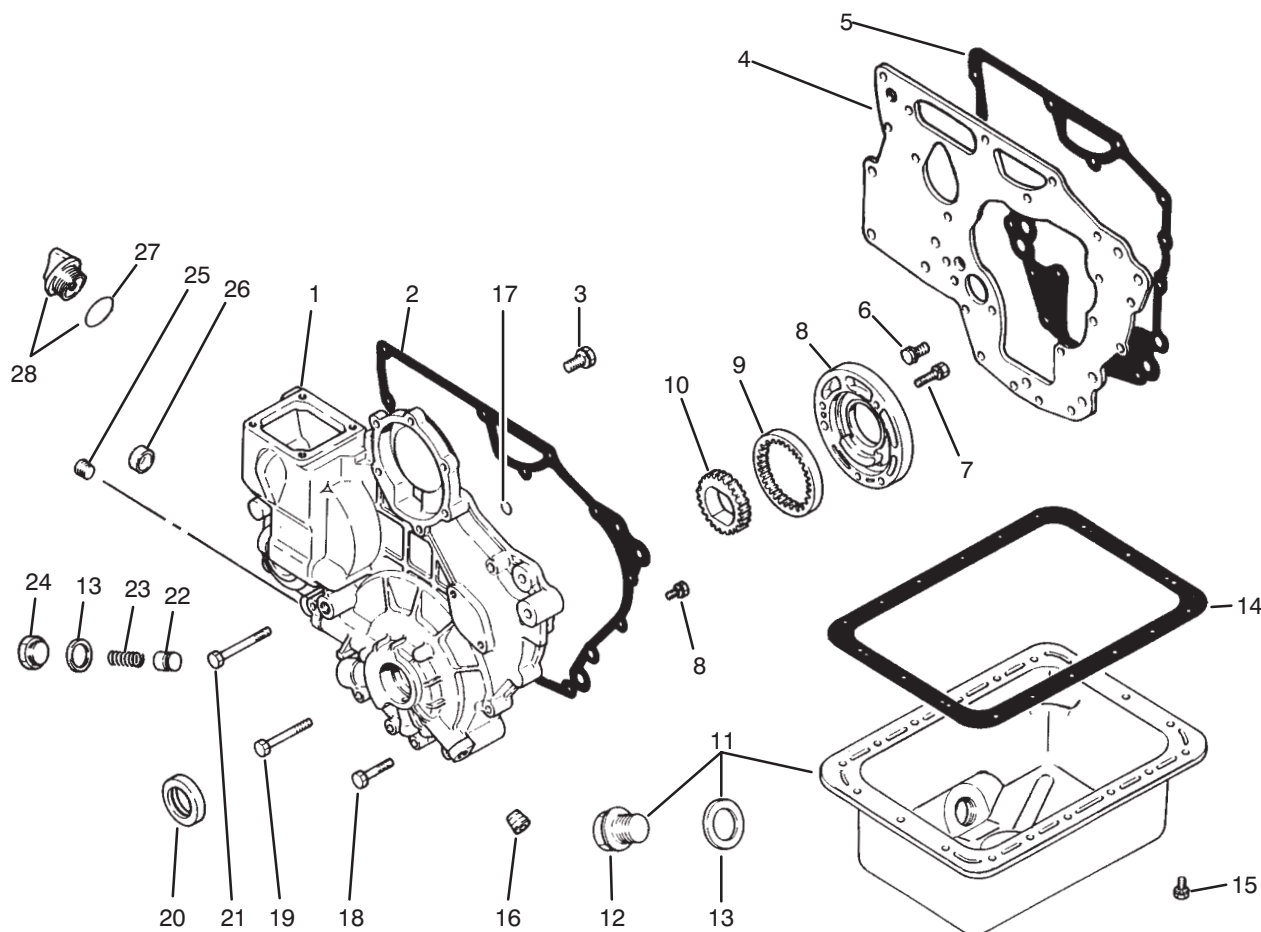


T-0573

## ALTERNATOR ASSEMBLY

| Ref. No. | Part No. | Description                                       | No. Used |
|----------|----------|---------------------------------------------------|----------|
| 1        | 67-4630  | Alternator Assembly<br>(Incl. Ref. #6-17)         | 1        |
| 2        | 67-4670  | Nut                                               | 1        |
| 3        | 67-3260  | Washer                                            | 1        |
| 4        | 42-9660  | Washer                                            | 1        |
| 5        | 43-0370  | Shim                                              | 1        |
| 6        | 67-4870  | Bearing - Rear                                    | 1        |
| 7        | 67-4860  | Rotor Assembly<br>(Incl. Ref. #6)                 | 1        |
| 8        | 67-4930  | Rectifier Assembly                                | 1        |
| 9        | 67-4890  | Rear Bracket Assembly<br>(Incl. Ref. #8, 11 & 12) | 1        |
| 10       | 67-4880  | Stator Assembly                                   | 1        |
| 11       | 67-4900  | Terminal Set                                      | 1        |
| 12       | 67-4910  | Regulator Assembly<br>(Incl. Ref. #13 & 14)       | 1        |
| 13       | 67-4920  | Brush                                             | 2        |

| Ref. No. | Part No. | Description                                     | No. Used |
|----------|----------|-------------------------------------------------|----------|
| 14       | 43-0510  | Spring - Brush                                  | 2        |
| 15       | 67-4830  | Front Bracket Assembly<br>(Incl. Ref. #18 & 19) | 1        |
| 16       | 67-4810  | Pulley Set                                      | 1        |
| 17       | 43-1920  | Nut - Special                                   | 1        |
| 18       | 67-4840  | Screw - Set                                     | 1        |
| 19       | 67-4850  | Bearing - Front                                 | 1        |
| 20       | 67-4820  | Bolt Set                                        | 1        |
| 21       | 67-4620  | Spacer                                          | 1        |
| 22       | 67-4640  | Bolt                                            | 1        |
| 23       | 67-4650  | Brace                                           | 1        |
| 24       | 42-9440  | Bolt & Washer                                   | 1        |
| 25       | 54-8660  | Washer                                          | 1        |
| 26       | 67-4660  | Bolt - Flange                                   | 1        |
| 27       | 5-3637   | Washer - Flat                                   | 1        |
| 28       | 43-5920  | Washer - Lock                                   | 1        |
| 29       | 43-5970  | Nut - Hex.                                      | 1        |

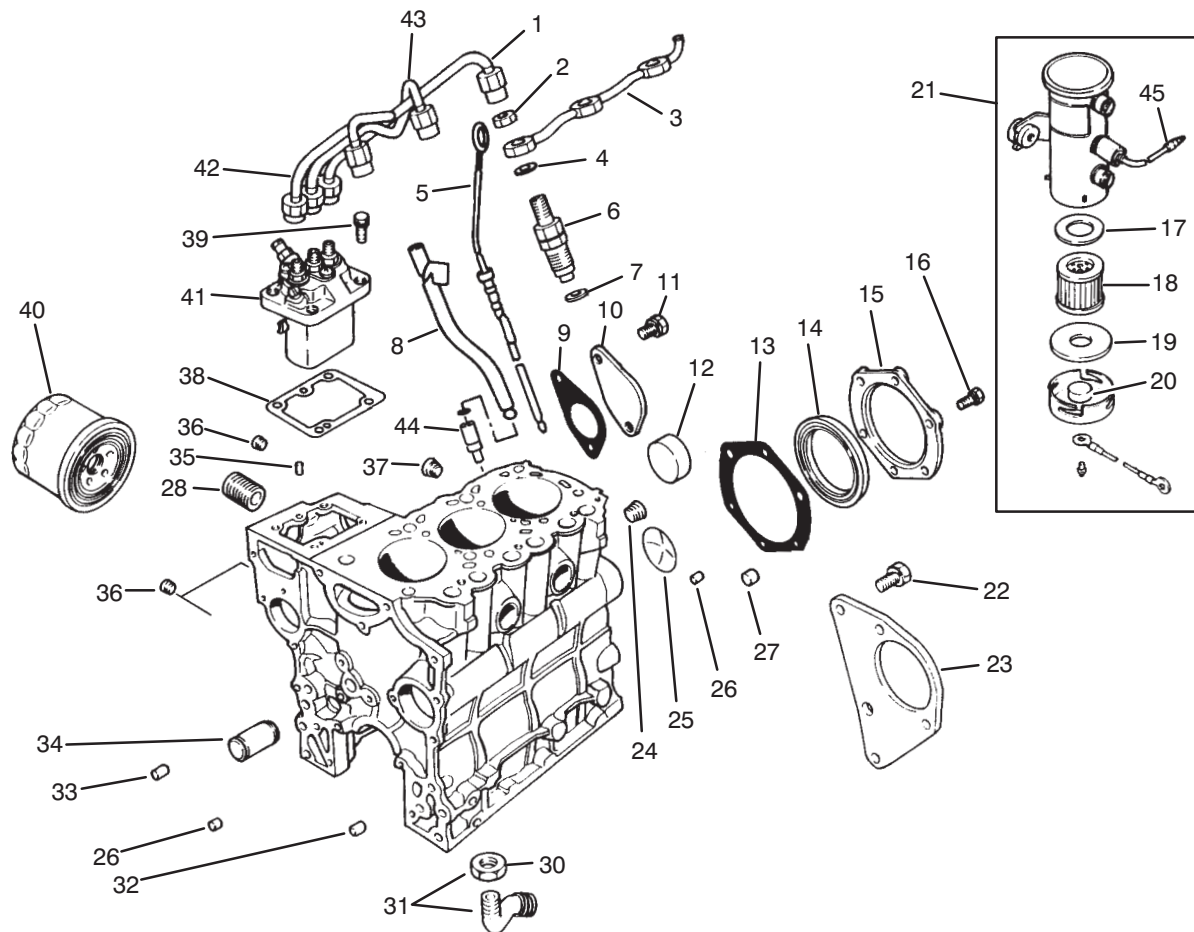


T-0613

## CRANKCASE ASSEMBLY

| Ref. No. | Part No. | Description                               | No. Used | Ref. No. | Part No. | Description                               | No. Used |
|----------|----------|-------------------------------------------|----------|----------|----------|-------------------------------------------|----------|
| 1        | 75-4920  | Crankcase Sub-Assembly                    | 1        | 16       | 42-7210  | Plug                                      | 1        |
| 2        | 67-2580  | Gasket - Case                             | 1        | 17       | 67-2630  | O-Ring                                    | 2        |
| 3        | 67-2340  | Bolt & Washer                             | 3        | 18       | 67-2600  | Bolt                                      | 3        |
| 4        | 67-2310  | Plate                                     | 1        | 19       | 67-2610  | Bolt                                      | 4        |
| 5        | 67-2320  | Gasket - Plate                            | 1        | 20       | 67-2590  | Seal - Oil                                | 1        |
| 6        | 42-9440  | Bolt & Washer                             | 11       | 21       | 67-2620  | Bolt                                      | 1        |
| 7        | 67-2560  | Bolt & Washer                             | 3        | 22       | 67-2500  | Plunger                                   | 1        |
| 8        | 67-2550  | Housing - Pump, Oil                       | 1        | 23       | 67-2510  | Spring                                    | 1        |
| 9        | 67-2540  | Gear - Outer                              | 1        | 24       | 67-2520  | Plug                                      | 1        |
| 10       | 67-2530  | Gear - Inner                              | 1        | 25       | 67-2570  | Plug                                      | 1        |
| 11       | 67-2470  | Oil Pan Assembly<br>(Incl. Ref. #15 & 16) | 1        | 26       | 67-2640  | Cap                                       | 1        |
| 12       | 42-9260  | Plug                                      | 1        | 27       | 67-2660  | O-Ring                                    | 1        |
| 13       | 42-7290  | Gasket - Drain, Oil                       | 2        | 28       | 67-2650  | Oil Fill Cap Assembly<br>(Incl. Ref. #27) | 1        |
| 14       | 67-2480  | Gasket - Pan, Oil                         | 1        | *        | 70-8790  | Gasket Kit                                | 1        |
| 15       | 42-9490  | Bolt & Washer                             | 18       |          |          |                                           |          |

\*Not Illustrated

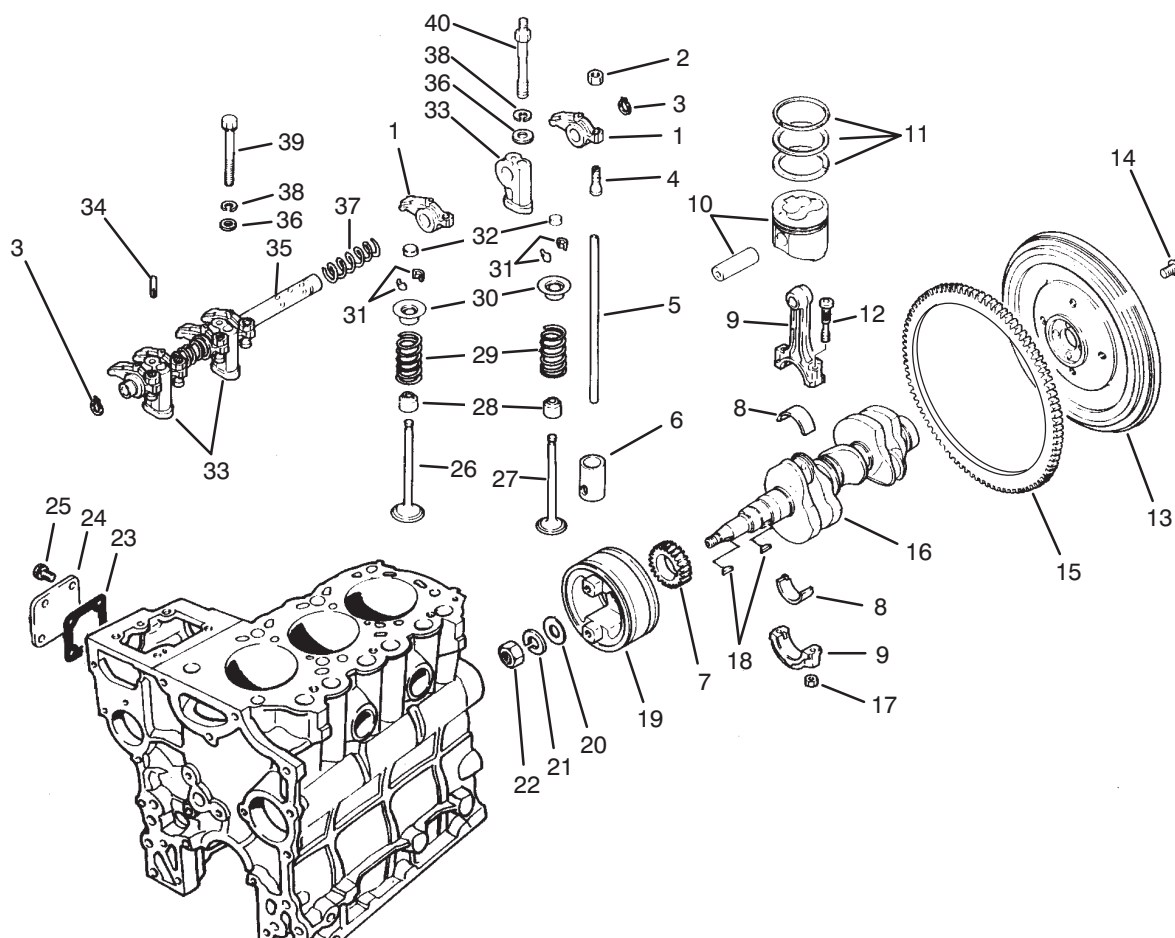


T-0569

## FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

| Ref. No. | Part No. | Description                          | No. Used | Ref. No. | Part No. | Description                         | No. Used |
|----------|----------|--------------------------------------|----------|----------|----------|-------------------------------------|----------|
| 1        | 67-3420  | Pipe Assembly No. 3                  | 1        | 27       | 67-2380  | Bushing                             | 3        |
| 2        | 67-3430  | Nut                                  | 3        | 28       | 56-1230  | Shaft - Filter, Oil                 | 1        |
| 3        | 70-8700  | Pipe - Return, Fuel                  | 1        | 29       | 67-2460  | Bolt                                | 4        |
| 4        | 67-3440  | Gasket                               | 3        | 30       | 42-9650  | Nut - Jam                           | 1        |
| 5        | 70-8880  | Dipstick                             | 1        | 31       | 67-4340  | Screen Assembly<br>(Incl. Ref. #30) | 1        |
| 6        | 67-3380  | Nozzle & Holder Assembly             | 1        | 32       | 67-2370  | Bushing                             | 1        |
| 7        | 67-3390  | Gasket                               | 3        | 33       | 42-7190  | Bushing                             | 1        |
| 8        | 67-2220  | Guide                                | 1        | 34       | 67-2260  | Shaft - Idler                       | 1        |
| 9        | 67-2300  | Gasket                               | 1        | 35       | 56-0220  | Pin                                 | 2        |
| 10       | 67-2290  | Cover                                | 1        | 36       | 67-2210  | Plug                                | 3        |
| 11       | 67-2340  | Bolt & Washer                        | 2        | 37       | 56-0100  | Plug                                | 1        |
| 12       | 56-0020  | Plug                                 | 1        | 38       | 67-3280  | Shim - 0.2                          | 1        |
| 13       | 67-2280  | Gasket                               | 1        | *        | 67-3290  | Shim - 0.3                          | 1        |
| 14       | 67-2230  | Seal - Oil                           | 1        | *        | 67-3300  | Shim - 0.4                          | 1        |
| 15       | 67-2270  | Case                                 | 1        | *        | 67-3310  | Shim - 0.5                          | 1        |
| 16       | 67-2330  | Bolt                                 | 6        | *        | 67-3320  | Shim - 0.6                          | 1        |
| 17       | 43-2570  | Gasket                               | 1        | *        | 67-3330  | Shim - 0.7                          | 1        |
| 18       | 43-2550  | Filter                               | 1        | *        | 67-3340  | Shim - 0.8                          | 1        |
| 19       | 43-2560  | Gasket                               | 1        | *        | 67-3350  | Shim - 0.9                          | 1        |
| 20       | 43-2580  | Magnet                               | 1        | *        | 67-3360  | Shim - 1.0                          | 1        |
| 21       | 53-8150  | Pump Assembly<br>(Incl. Ref. #17-20) | 1        | 39       | 67-3370  | Bolt & Washer                       | 4        |
| 22       | 70-8890  | Housing - Flywheel                   | 1        | 40       | 67-4330  | Oil Filter Assembly                 | 1        |
| 23       | 67-2440  | Bolt & Washer                        | 9        | 41       | 70-8690  | Pump Assembly                       | 1        |
| 24       | 67-2390  | Plug                                 | 1        | 42       | 67-3400  | Pipe Assembly No.1                  | 1        |
| 25       | 67-2350  | Plug                                 | 1        | 43       | 67-3410  | Pipe Assembly No.2                  | 1        |
| 26       | 67-2360  | Bushing                              | 2        | 44       | 70-8530  | Wire Assembly                       | 1        |

\*Not Illustrated

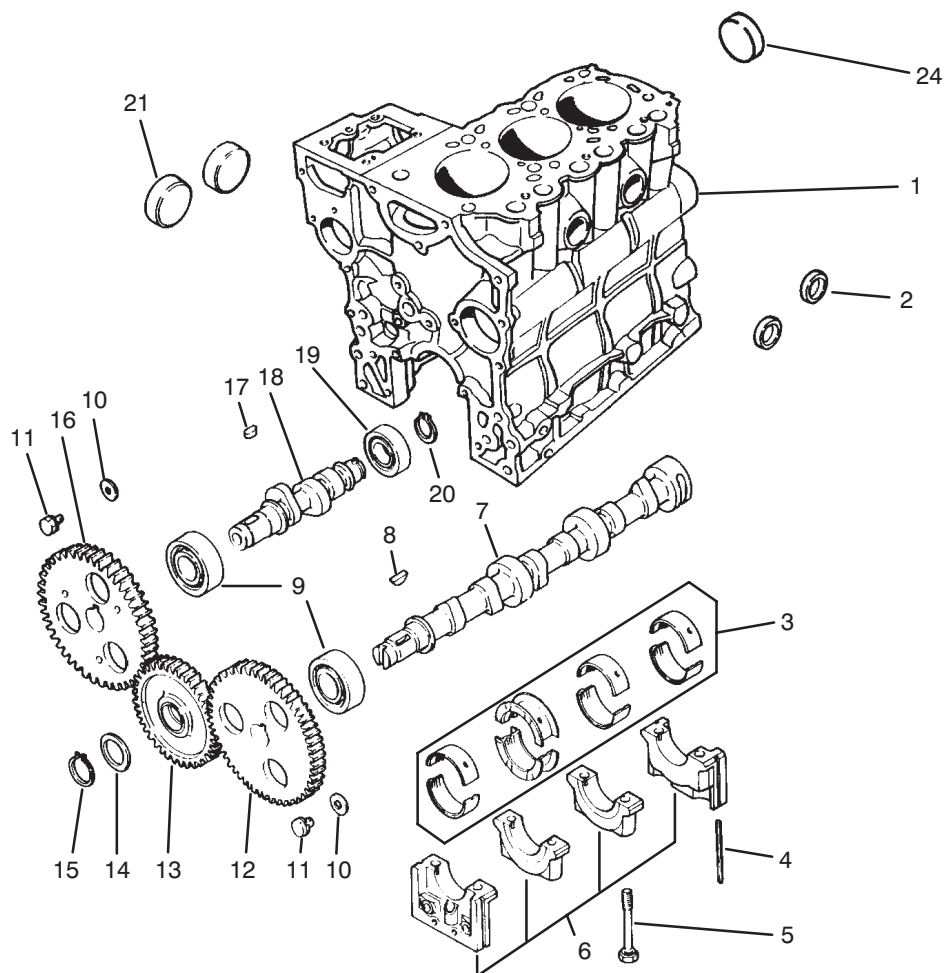


T-0611

## VALVES & CRANKSHAFT ASSEMBLY

| Ref. No. | Part No. | Description                                            | No. Used | Ref. No. | Part No. | Description           | No. Used |
|----------|----------|--------------------------------------------------------|----------|----------|----------|-----------------------|----------|
| 1        | 67-3160  | Arm - Rocker                                           | 6        | 17       | 42-9590  | Nut                   | 6        |
| 2        | 67-3230  | Nut - Jam                                              | 6        | 18       | 56-0480  | Key - Woodruff        | 2        |
| 3        | 67-3040  | Ring - Snap                                            | 2        | 19       | 70-8680  | Pulley - Crankshaft   | 1        |
| 4        | 67-3210  | Screw - Adjusting                                      | 6        | 20       | 67-2950  | Washer                | 1        |
| 5        | 67-3150  | Rod - Push                                             | 6        | 21       | 67-2960  | Washer - Lock         | 1        |
| 6        | 67-3120  | Tappet                                                 | 6        | 22       | 67-2940  | Nut - Jam             | 1        |
| 7        | 67-2910  | Gear                                                   | 1        | 23       | 67-4310  | Gasket                | 1        |
| 8        | 67-2880  | Bearing Set - Std.                                     | 1        | 24       | 67-4250  | Cover                 | 1        |
| *        | 67-2890  | Bearing Set - 0.25 U.                                  | 1        | 25       | 42-9440  | Bolt & Washer         | 4        |
| *        | 67-2900  | Bearing Set - 0.50 U.                                  | 1        | 26       | 67-3130  | Valve - Intake        | 3        |
| 9        | 70-8860  | Connecting Rod Assembly<br>(Incl. Ref. #8, 9, 12 & 17) | 3        | 27       | 67-3140  | Valve - Exhaust       | 3        |
| 10       | 70-8830  | Piston & Pin Set - Std.                                | 1        | 28       | 42-7870  | Seal                  | 6        |
| *        | 70-8840  | Piston & Pin Set - 0.25 U.                             | 1        | 29       | 67-3110  | Spring                | 6        |
| *        | 70-8850  | Piston & Pin Set - 0.50 U.                             | 1        | 30       | 67-3100  | Retainer              | 6        |
| 11       | 70-8800  | Piston Ring Set - Std.                                 | 1        | 31       | 42-7860  | Lock                  | 12       |
| *        | 70-8810  | Piston Ring Set - 0.25 U.                              | 1        | 32       | 67-3180  | Cap                   | 6        |
| *        | 70-8820  | Piston Ring Set - 0.50 U.                              | 1        | 33       | 67-3200  | Stay - Rocker         | 3        |
| 12       | 67-2860  | Bolt                                                   | 6        | 34       | 67-3220  | Pin                   | 1        |
| 13       | 67-2970  | Flywheel Assembly<br>(Incl. Ref. #15)                  | 1        | 35       | 67-3190  | Rocker Shaft Assembly | 1        |
| 14       | 67-2990  | Bolt                                                   | 4        | 36       | 42-9660  | Washer                | 3        |
| 15       | 67-2980  | Gear - Ring                                            | 1        | 37       | 67-3170  | Spring                | 2        |
| 16       | 92-0845  | Crankshaft                                             | 1        | 38       | 67-3260  | Washer                | 3        |
|          |          |                                                        |          | 39       | 42-9510  | Bolt                  | 1        |
|          |          |                                                        |          | 40       | 67-3250  | Bolt - Stay, Rocker   | 2        |

\*Not Illustrated



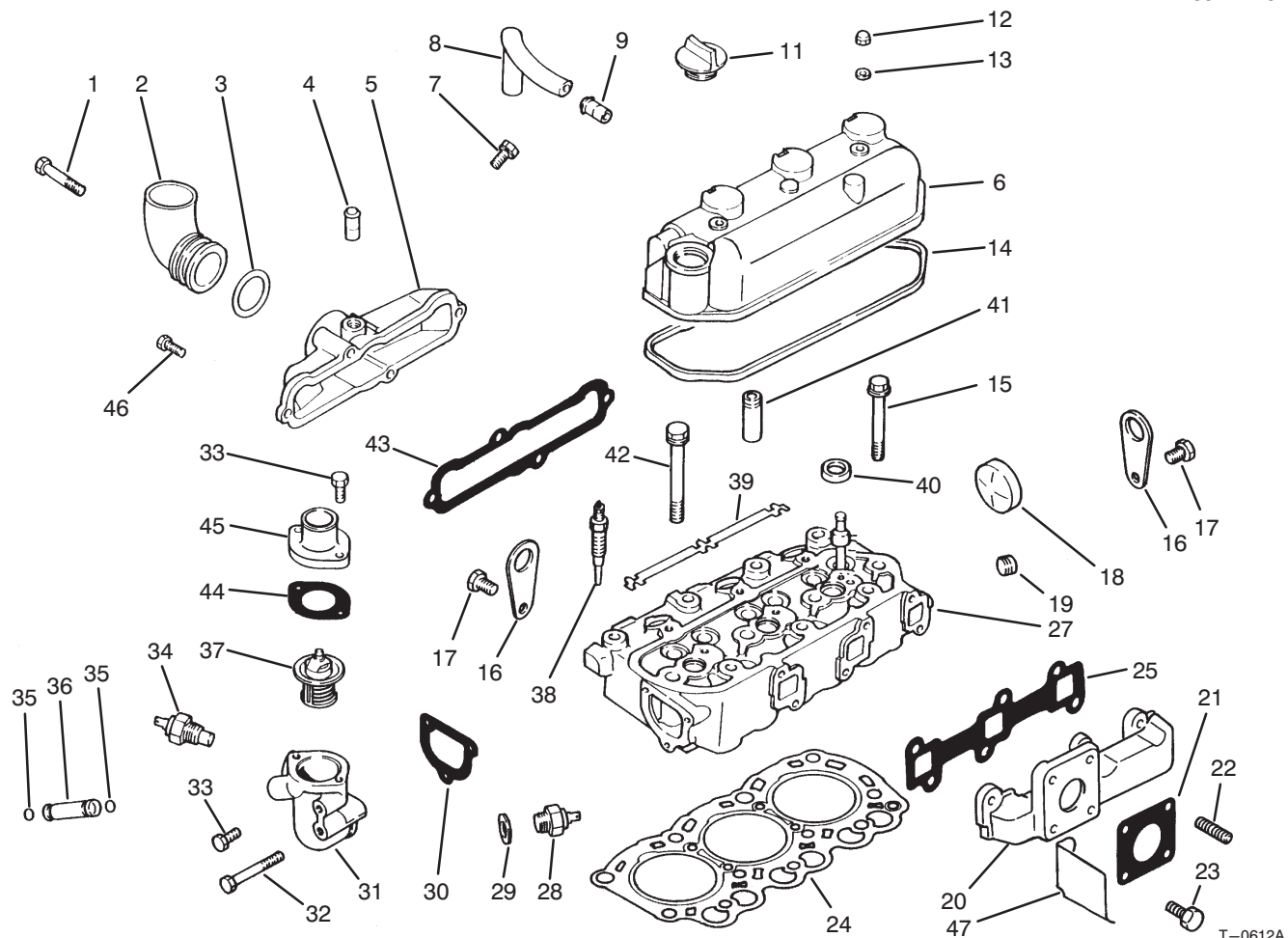
T-0610

## CAMSHAFT ASSEMBLY

| Ref. No. | Part No. | Description                                       | No. Used |
|----------|----------|---------------------------------------------------|----------|
| 1        | 70-8650  | Block - Sub-Assembly<br>(Incl. Ref. #2, 5-6 & 21) | 1        |
| 2        | 42-7080  | Cap                                               | 2        |
| 3        | 67-2400  | Bearing Set - Std.                                | 1        |
| *        | 67-2410  | Bearing Set - 0.25                                | 1        |
| *        | 67-2420  | Bearing Set - 0.50                                | 1        |
| 4        | 67-2200  | Seal                                              | 4        |
| 5        | 67-2250  | Bolt                                              | 8        |
| 6        |          | Cap Assembly                                      | 1        |
| 7        | 67-3010  | Camshaft                                          | 1        |
| 8        | 56-0480  | Key - Woodruff                                    | 1        |
| 9        | 67-3030  | Bearing                                           | 2        |

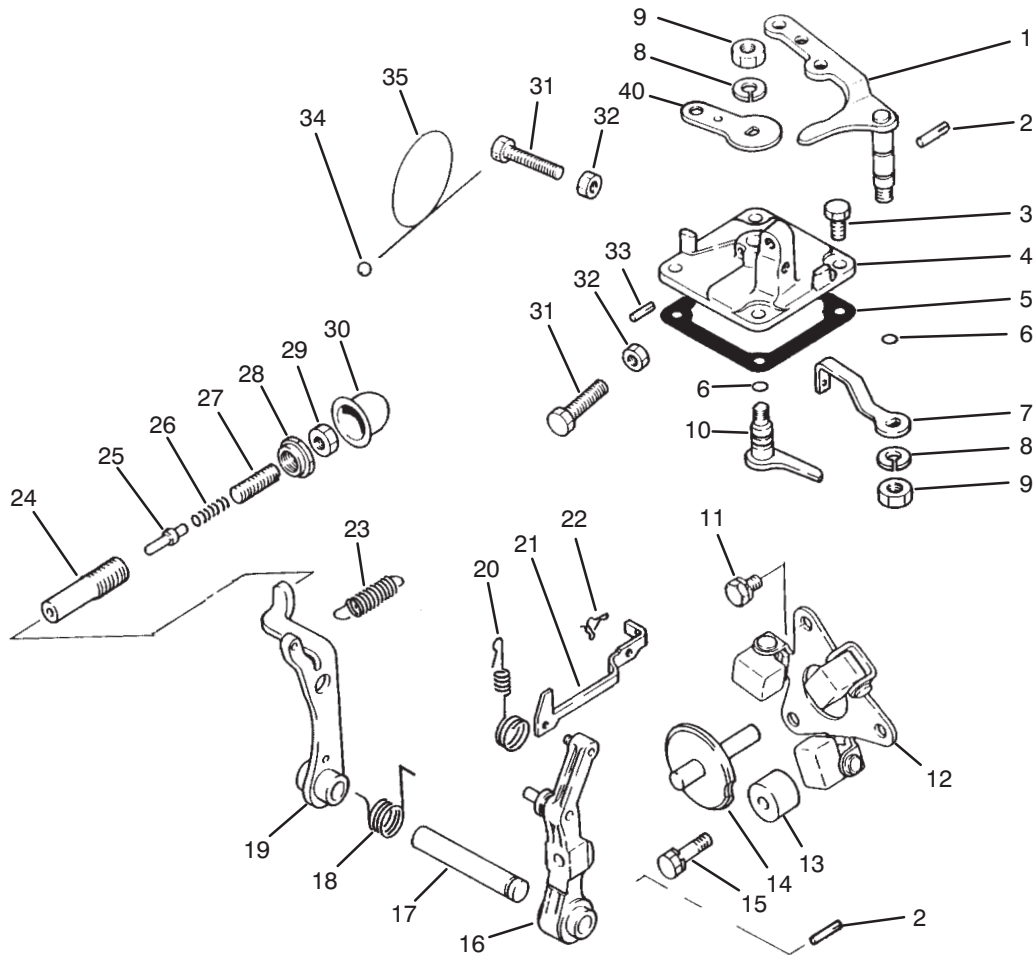
| Ref. No. | Part No. | Description   | No. Used |
|----------|----------|---------------|----------|
| 10       | 67-3000  | Washer        | 2        |
| 11       | 42-9490  | Bolt & Washer | 2        |
| 12       | 67-3020  | Gear          | 1        |
| 13       | 67-3090  | Gear Assembly | 1        |
| 14       | 67-3040  | Plate         | 1        |
| 15       | 56-1060  | Ring - Snap   | 1        |
| 16       | 67-3070  | Gear          | 1        |
| 17       | 42-7840  | Key           | 1        |
| 18       | 67-3060  | Shaft         | 1        |
| 19       | 67-3050  | Bearing       | 1        |
| 20       | 67-3080  | Ring - Snap   | 1        |
| 21       | 56-0020  | Plug          | 2        |

\*Not Illustrated



## CYLINDER HEAD ASSEMBLY

| Ref. No. | Part No. | Description                       | No. Used | Ref. No. | Part No. | Description                                         | No. Used |
|----------|----------|-----------------------------------|----------|----------|----------|-----------------------------------------------------|----------|
| 1        | 67-4400  | Bolt                              | 2        | 24       | 70-8670  | Gasket — Head, Cylinder                             | 1        |
| 2        | 67-4520  | Pipe                              | 1        | 25       | 67-4570  | Gasket — Manifold, Exhaust                          | 1        |
| 3        | 67-4540  | O-Ring                            | 1        | 27       | 70-8660  | Cylinder Head Assembly<br>(Incl. Ref. #18, & 40-41) | 1        |
| 4        | 42-7510  | Pipe                              | 1        | 28       | 67-4500  | Switch — Thermal                                    | 1        |
| 5        | 67-4530  | Cover — Intake<br>(Incl. Ref. #4) | 1        | 29       | 67-4490  | Gasket                                              | 1        |
| 6        | 92-0846  | Cover Assembly<br>(Incl. Ref. #9) | 1        | 30       | 67-4460  | Gasket — Fitting, Thermostat                        | 1        |
| 7        | 42-9430  | Bolt & Washer                     | 1        | 31       | 67-4450  | Fitting — Thermostat                                | 1        |
| 8        | 67-2670  | Hose — Breather                   | 1        | 32       | 67-4470  | Bolt                                                | 1        |
| 9        | 42-7510  | Pipe                              | 1        | 33       | 67-2330  | Bolt                                                | 4        |
| 11       | 92-0847  | Oil Filler Cap Assembly           | 1        | 34       | 67-4510  | Nut — Gauge, Temp.                                  | 1        |
| 12       | 67-2770  | Nut — Cap                         | 2        | 35       | 43-2710  | O-Ring                                              | 2        |
| 13       | 67-2780  | Washer                            | 2        | 36       | 67-4480  | Pipe — By-Pass                                      | 1        |
| 14       | 67-2760  | Gasket                            | 1        | 37       | 67-5050  | Thermostat                                          | 1        |
| 15       | 67-2140  | Bolt — Flange                     | 3        | 38       | 92-2539  | Plug — Glow                                         | 3        |
| 16       | 67-2680  | Hanger — Engine                   | 2        | 39       | 67-4690  | Plate — Plug, Glow                                  | 1        |
| 17       | 67-2340  | Bolt & Washer                     | 2        | 40       | 67-2710  | Cap — Sealing                                       | 3        |
| 18       | 56-0020  | Plug — Expansion                  | 1        | 41       | 67-2700  | Guide — Valve                                       | 6        |
| 19       | 67-2570  | Plug — Taper                      | 1        | 42       | 67-2730  | Bolt                                                | 8        |
| 20       | 70-8750  | Manifold — Exhaust                | 1        | 43       | 67-4550  | Gasket — Manifold, Intake                           | 1        |
| 21       | 42-9110  | Gasket                            | 1        | 44       | 67-4430  | Gasket — Outlet, Water                              | 1        |
| 22       | 42-9570  | Stud                              | 4        | 45       | 67-4420  | Fitting — Outlet, Water                             | 1        |
| 23       | 67-4590  | Bolt                              | 6        | 46       | 67-2330  | Bolt                                                | 2        |
|          |          |                                   |          | 47       | 72-6140  | Shield — Heat, Alternator                           | 1        |



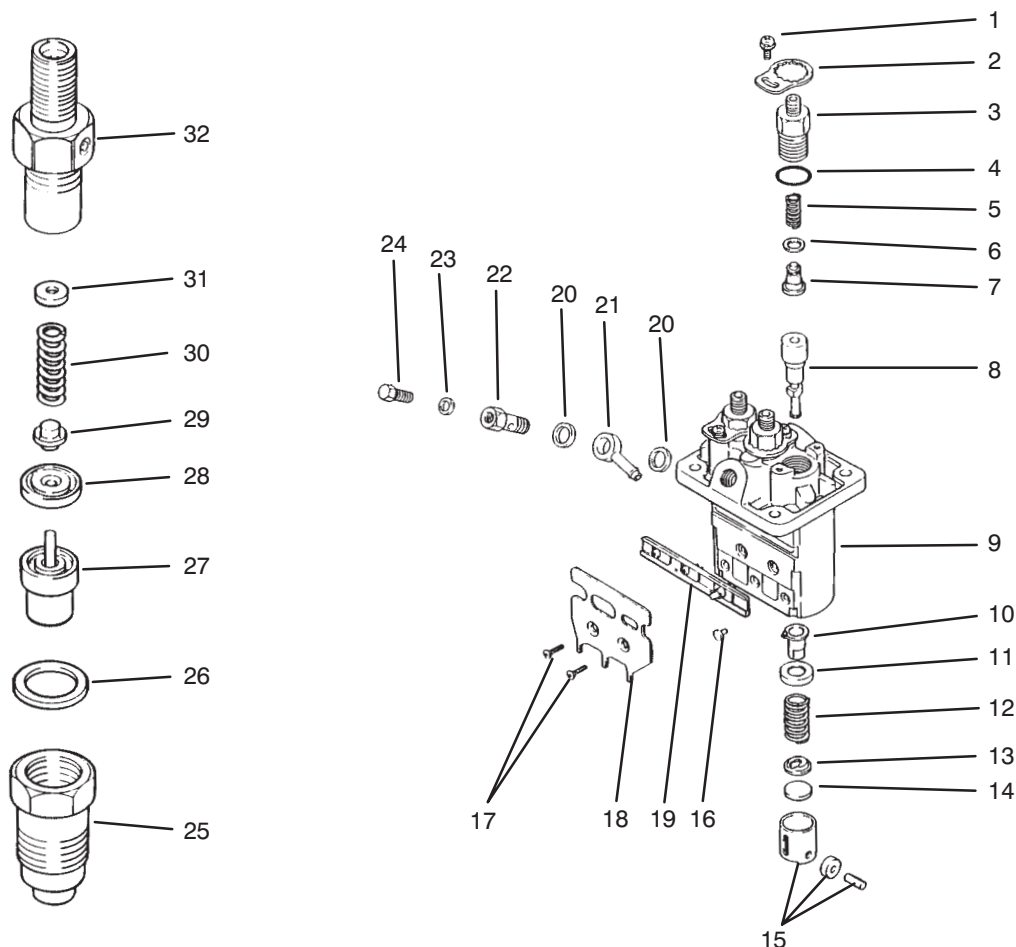
T-0615

## GOVERNOR ASSEMBLY

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 1        | 67-3990  | Speed Control Lever Assy. | 1        |
| 2        | 67-4000  | Pin                       | 2        |
| 3        | 67-4270  | Bolt                      | 4        |
| 4        | 67-4130  | Cover – Governor          | 1        |
| 5        | 67-4160  | Gasket                    | 1        |
| 6        | 42-8830  | O-Ring                    | 2        |
| 7        | 67-4020  | Lever – Spring, Governor  | 1        |
| 8        | 67-3260  | Washer                    | 2        |
| 9        | 42-9640  | Nut – Jam                 | 2        |
| 10       | 67-4140  | Lever – Stop Assembly     | 1        |
| 11       | 42-9430  | Bolt & Washer             | 2        |
| 12       | 67-4040  | Weight Assembly           | 1        |
| 13       | 67-4010  | Stopper                   | 1        |
| 14       | 67-4070  | Sliding Shaft Assembly    | 1        |
| 15       | 67-4280  | Bolt & Washer             | 1        |
| 16       | 67-4060  | Governor Lever Assembly   | 1        |
| 17       | 67-4050  | Shaft                     | 1        |
| 18       | 67-5040  | Spring                    | 1        |
| 19       | 67-4090  | Tension Lever Assembly    | 1        |
| 20       | 70-8720  | Spring – Tie Rod          | 1        |
| 21       | 67-4030  | Rod – Tie                 | 1        |

| Ref. No. | Part No. | Description                                         | No. Used |
|----------|----------|-----------------------------------------------------|----------|
| 22       | 67-4080  | Clip                                                | 1        |
| 23       | 67-4260  | Spring                                              | 1        |
| 24       | 67-4210  | Case – Torque Spring                                | 1        |
| 25       | 67-4230  | Stopper                                             | 1        |
| 26       | 67-4190  | Spring – Torque                                     | 1        |
| 27       | 67-4220  | Screw – Adjusting                                   | 1        |
| 28       | 67-4200  | Nut – Special                                       | 1        |
| 29       | 67-4180  | Nut                                                 | 1        |
| 30       | 67-4240  | Cap                                                 | 2        |
| 31       | 42-9420  | Bolt                                                | 2        |
| 32       | 67-4290  | Nut                                                 | 2        |
| 33       | 67-4120  | Pin                                                 | 1        |
| 34       | 42-8690  | Metal – Sealing                                     | 1        |
| 35       | 42-8700  | Wire                                                | 1        |
| 36       | 67-4150  | Lever – Stop                                        | 1        |
| *        | 67-4110  | Cover Assembly<br>(Incl. Ref. #4, 6, 8-10, 33 & 36) | 1        |
| *        | 67-4170  | Spring Set<br>(Incl. Ref. #24-29)                   | 1        |

\*Not Illustrated



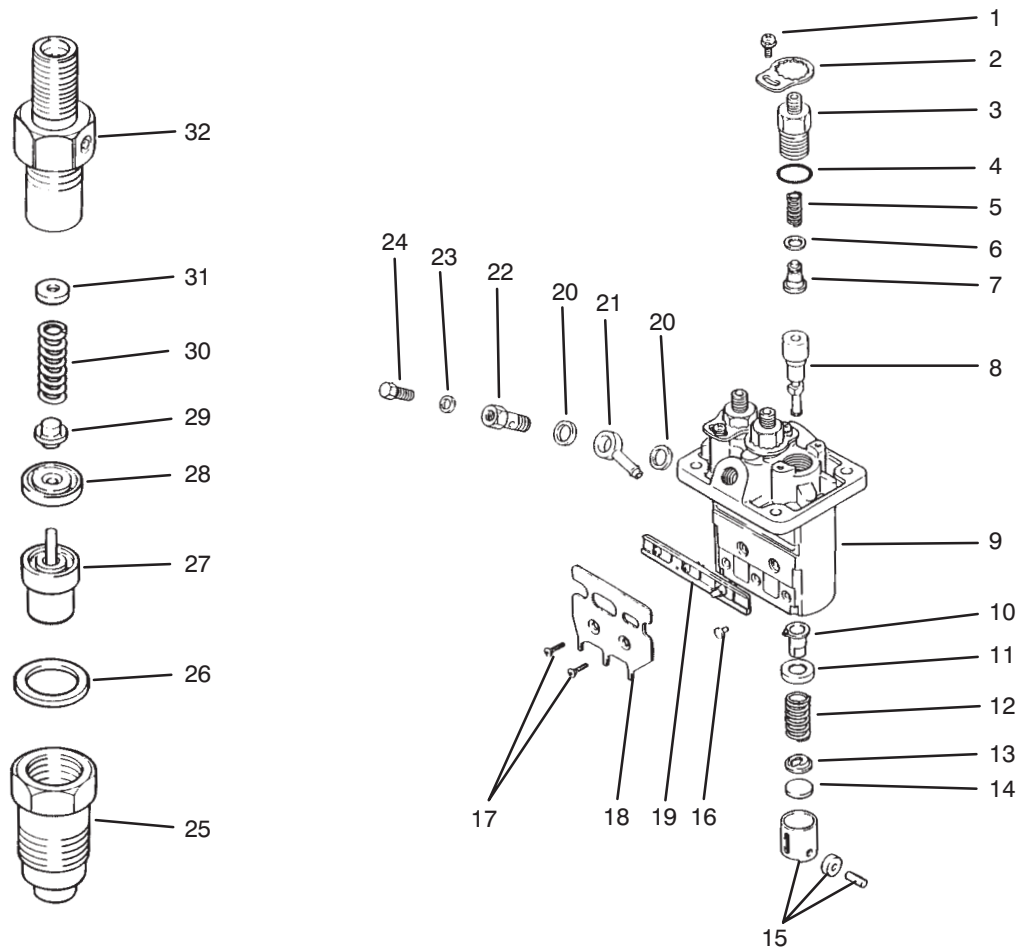
T-0570

## FUEL INJECTION PUMP ASSEMBLY

| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 1        | 67-3770  | Screw & Washer          | 3        |
| 2        | 67-3760  | Plate - Lock            | 3        |
| 3        | 67-3470  | Holder - Delivery Valve | 3        |
| 4        | 67-3480  | O-Ring                  | 3        |
| 5        | 67-3490  | Spring                  | 3        |
| 6        | 42-8240  | Gasket                  | 3        |
| 7        | 67-3500  | Valve                   | 3        |
| 8        | 70-8710  | Element                 | 3        |
| 9        | 67-3460  | Housing - Pump          | 1        |
| 10       | 67-3520  | Sleeve                  | 3        |
| 11       | 67-3530  | Seat                    | 3        |
| 12       | 67-3540  | Spring                  | 3        |
| 13       | 67-3550  | Seat                    | 3        |
| 14       | 67-3560  | Plate - Shim 1.85       | 1        |
| *        | 67-3570  | Plate - Shim 1.9        | 1        |
| *        | 67-3580  | Plate - Shim 1.95       | 1        |
| *        | 67-3590  | Plate - Shim 2.0        | 1        |
| *        | 67-3600  | Plate - Shim 2.05       | 1        |
| *        | 67-3610  | Plate - Shim 2.1        | 1        |
| *        | 67-3620  | Plate - Shim 2.15       | 1        |
| *        | 67-3630  | Plate - Shim 2.2        | 1        |
| *        | 67-3640  | Plate - Shim 2.25       | 1        |
| *        | 67-3650  | Plate - Shim 2.3        | 1        |
| *        | 67-3660  | Plate - Shim 2.35       | 1        |
| *        | 67-3670  | Plate - Shim 2.4        | 1        |
| *        | 67-3680  | Plate - Shim 2.45       | 1        |
| *        | 67-3690  | Plate - Shim 2.5        | 1        |

| Ref. No. | Part No. | Description        | No. Used |
|----------|----------|--------------------|----------|
| 15       | 67-3700  | Tappet Assembly    | 3        |
| 16       | 67-3810  | Pin                | 3        |
| 17       | 67-3790  | Screw              | 2        |
| 18       | 67-3800  | Bracket            | 1        |
| 19       | 67-3780  | Rack Assembly      | 1        |
| 20       | 67-3750  | Washer             | 2        |
| 21       | 67-3740  | Nipple             | 1        |
| 22       | 67-3730  | Screw              | 1        |
| 23       | 67-3720  | Washer             | 1        |
| 24       | 67-3710  | Screw - Bleed, Air | 1        |
| 25       | 67-3970  | Nut                | 3        |
| 26       | 67-3980  | Gasket             | 3        |
| 27       | 67-3960  | Nozzle Assembly    | 3        |
| 28       | 67-3950  | Piece              | 3        |
| 29       | 67-3940  | Pin                | 3        |
| 30       | 67-3930  | Spring             | 3        |
| 31       | 67-3830  | Washer - 1.25      | 1        |
| *        | 67-3840  | Washer - 1.3       | 1        |
| *        | 67-3850  | Washer - 1.35      | 1        |
| *        | 67-3860  | Washer - 1.4       | 1        |
| *        | 67-3870  | Washer - 1.45      | 1        |
| *        | 67-3880  | Washer - 1.5       | 1        |
| *        | 67-3890  | Washer - 1.55      | 1        |
| *        | 67-3900  | Washer - 1.6       | 1        |
| *        | 67-3910  | Washer - 1.65      | 1        |
| *        | 67-3920  | Washer - 1.7       | 1        |

\*Not Illustrated

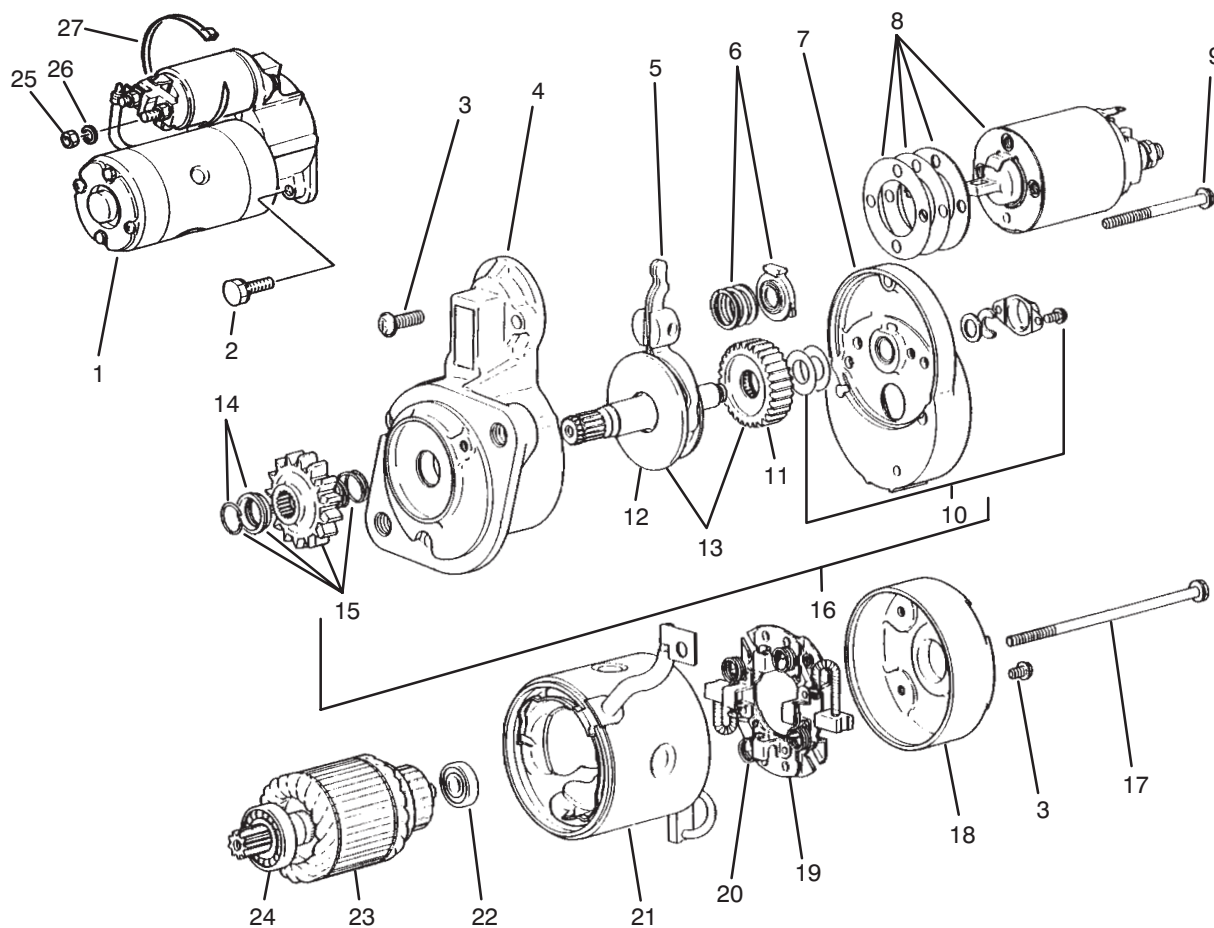


T-0570

**FUEL INJECTION PUMP ASSEMBLY (Continued)**

| Ref. No. | Part No. | Description                         | No. Used | Ref. No. | Part No. | Description              | No. Used |
|----------|----------|-------------------------------------|----------|----------|----------|--------------------------|----------|
| 32       | 67-3820  | Body                                | 3        | *        | 67-3380  | Nozzle & Holder Assembly | 3        |
| *        | 70-8690  | Pump Assembly<br>(Incl. Ref. #1-24) | 1        |          |          | (Incl. Ref. #25-32)      |          |

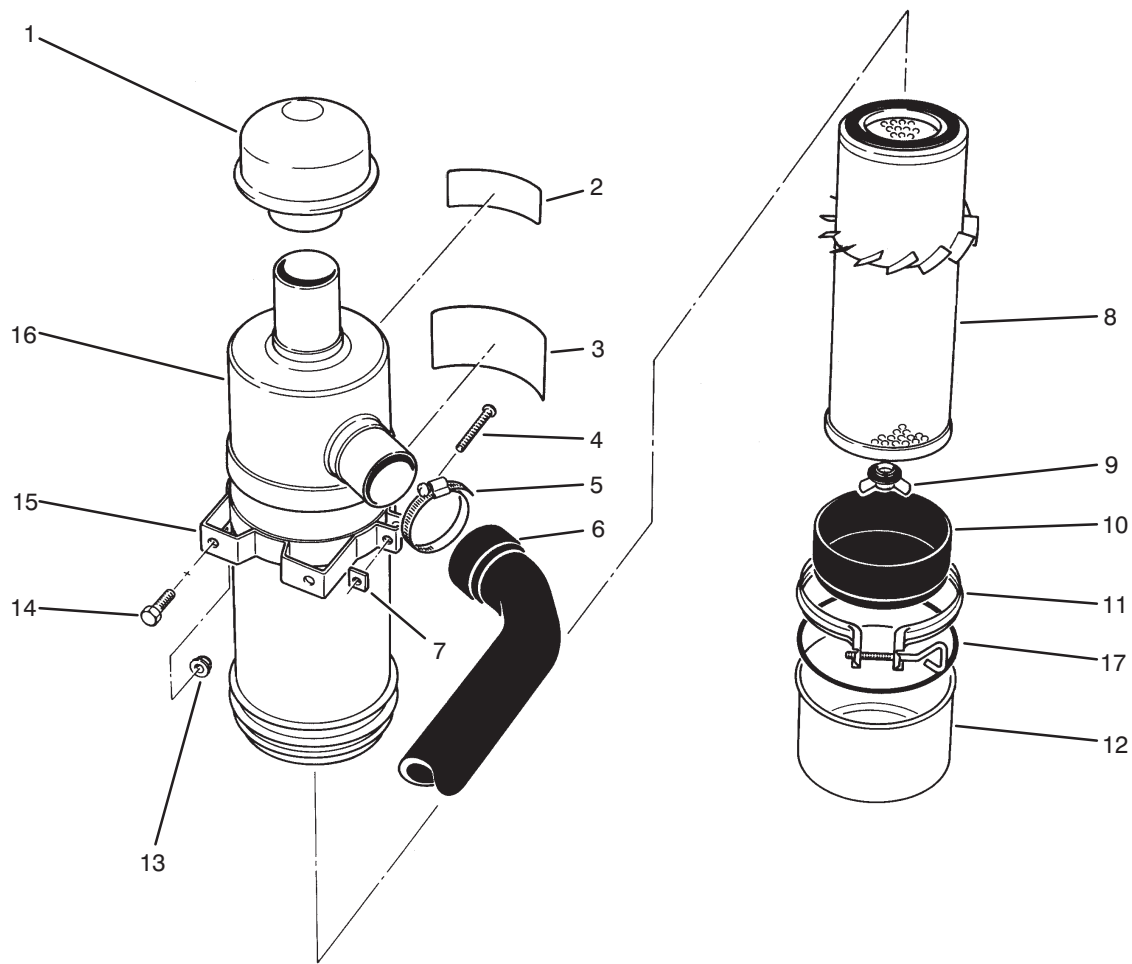
\*Not Illustrated



T-0616

## STARTER ASSEMBLY

| Ref. No. | Part No. | Description                            | No. Used | Ref. No. | Part No. | Description                                 | No. Used |
|----------|----------|----------------------------------------|----------|----------|----------|---------------------------------------------|----------|
| 1        | 70-8760  | Starter Assembly<br>(Incl. Ref. #3-24) | 1        | 16       | 67-4760  | Shaft Assembly<br>(Incl. Ref. #10, 13 & 15) | 1        |
| 2        | 67-4610  | Bolt & Washer                          | 2        | 17       | 56-1610  | Bolt                                        | 1        |
| 3        | 56-1510  | Screw - Set                            | 1        | 18       | 56-1720  | Rear Bracket Assembly                       | 1        |
| 4        | 70-8770  | Front Basket Assembly                  | 1        | 19       | 56-1700  | Brush Holder Assembly<br>(Incl. Ref. #20)   | 1        |
| 5        | 67-4720  | Lever Assembly                         | 1        | 20       | 56-1710  | Spring - Brush                              | 4        |
| 6        | 67-4730  | Spring Set                             | 1        | 21       | 67-4800  | Yoke Assembly                               | 1        |
| 7        | 70-8780  | Center Bracket Assembly                | 1        | 22       | 56-1600  | Bearing - Rear                              | 1        |
| 8        | 67-4750  | Switch Assembly                        | 1        | 23       | 56-1580  | Armature Set<br>(Incl. Ref. #22 & 24)       | 1        |
| 9        | 52-1570  | Bolt Set                               | 1        | 24       | 56-1590  | Bearing - Front                             | 1        |
| 10       | 56-1680  | Cover Set                              | 1        | 25       | 57-6390  | Nut - Hex.                                  | 2        |
| 11       | 56-1670  | Gear                                   | 1        | 26       | 42-9850  | Washer - Lock                               | 2        |
| 12       | 67-4790  | Shaft Assembly                         | 1        | 27       | 3290-379 | Tie - Cable                                 | 2        |
| 13       | 67-4780  | Gear Set<br>(Incl. Ref. #11 & 12)      | 1        |          |          |                                             |          |
| 14       | 56-1640  | Stopper Set                            | 1        |          |          |                                             |          |
| 15       | 67-4770  | Pinion Set<br>(Incl. Ref. #14)         | 1        |          |          |                                             |          |

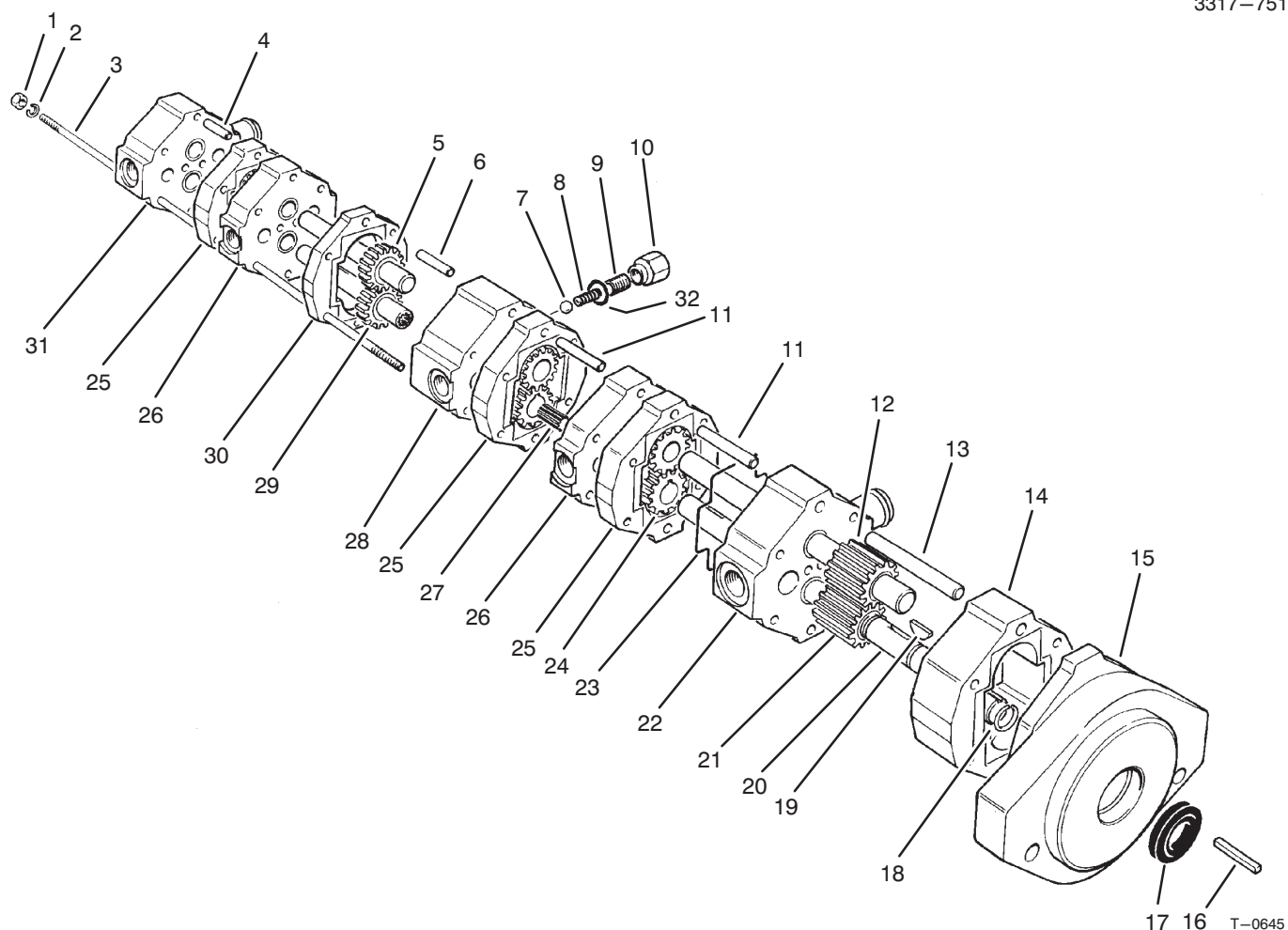


T-0636

## AIR CLEANER ASSEMBLY

| Ref. No. | Part No. | Description              | No. Used |
|----------|----------|--------------------------|----------|
| 1        | 27-7180  | Cap - Inlet, Air Cleaner | 1        |
| 2        | 67-1700  | Decal - Fluid, Starting  | 1        |
| 3        | 27-7160  | Decal - Instructions     | 1        |
| 4        | 3258-19  | Screw - Round Head       | 2        |
| 5        | 2412-42  | Clamp - Hose             | 2        |
| 6        | 68-5900  | Hose - Cleaner, Air      | 1        |
| 7        | 32107-11 | Nut                      | 2        |
| 8        | 27-7110  | Element - Cleaner, Air   | 1        |
| 9        | 27-7120  | Nut & Gasket Assembly    | 1        |
| 10       | 27-7140  | Skirt - Baffle           | 1        |

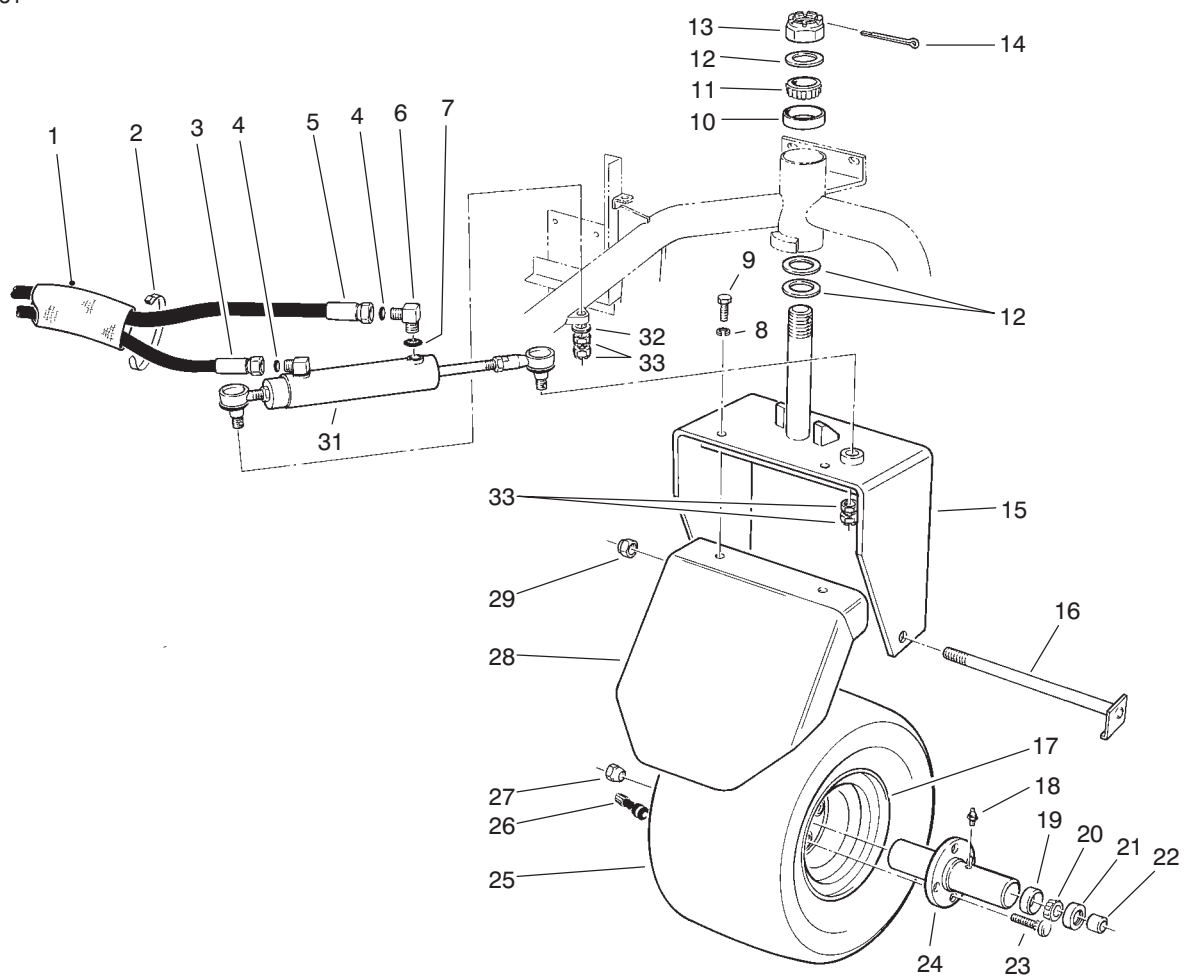
| Ref. No. | Part No. | Description                                    | No. Used |
|----------|----------|------------------------------------------------|----------|
| 11       | 27-7130  | Clamp Assembly                                 | 2        |
| 12       | 27-7150  | Cap Assembly                                   | 1        |
| 13       | 32128-20 | Nut - Lock, Flange                             | 4        |
| 14       | 322-2    | Screw - Cap, Hex. Hd.                          | 4        |
| 15       | 27-7170  | Band Assembly<br>(Incl. Ref. #4 & 7)           | 2        |
| 16       | 27-7100  | Air Cleaner Assembly<br>(Incl. Ref. #3 & 8-12) | 1        |
| 17       | 80-3330  | Gasket                                         | 1        |



## HYDRAULIC PUMP 68-4940

| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 1        | 3217-6   | Nut - Lock              | 4        |
| 2        | 354-16   | Washer - Lock           | 4        |
| 3        | 354-17   | Stud - Threaded         | 4        |
| 4        | 354-11   | Pin - Dowel             | 2        |
| 5        | 354-9    | Idle Shaft - Gear Assy. | 1        |
| 6        | 354-12   | Pin - Dowel             | 2        |
| 7        |          | Ball - Valve            | 1        |
| 8        |          | Spring - Compression    | 1        |
| 9        |          | Adjuster - Valve        | 1        |
| 10       |          | Cap - Adjuster, Valve   | 1        |
| 11       | 354-13   | Pin - Dowel             | 4        |
| 12       | 354-10   | Idle Shaft - Gear Assy. | 1        |
| 13       | 354-14   | Pin - Dowel             | 2        |
| 14       | 353-971  | Plate - Gear 66B        | 1        |
| 15       | 354-2    | Body Assembly           | 1        |
| 16       | 5-0946   | Key - Square            | 1        |
| 17       | 354-15   | Seal - Shaft            | 1        |

| Ref. No. | Part No. | Description                                       | No. Used |
|----------|----------|---------------------------------------------------|----------|
| 18       | 353-886  | Ring - Retaining                                  | 2        |
| 19       | 353-884  | Key - Woodruff                                    | 4        |
| 20       | 354-1    | Shaft - Drive                                     | 1        |
| 21       | 353-964  | Gear - 66B                                        | 1        |
| 22       | 354-3    | Bearing Plate Assembly                            | 1        |
| 23       | 353-922  | Seal - Ring                                       | 10       |
| 24       | 353-967  | Gear - 33B                                        | 6        |
| 25       | 353-969  | Plate - Gear 33B                                  | 3        |
| 26       | 353-923  | Bearing Plate Assembly                            | 2        |
| 27       | 354-5    | Adapter - Splined                                 | 1        |
| 28       | 354-4    | Bearing Plate Assembly<br>(Incl. Ref. #7-10 & 32) | 1        |
| 29       | 354-8    | Drive Shaft - Gear Assy.                          | 1        |
| 30       | 354-6    | Plate - Gear 18B                                  | 1        |
| 31       | 354-7    | Cover Assembly                                    | 1        |
| 32       | 354-35   | Gasket                                            | 1        |

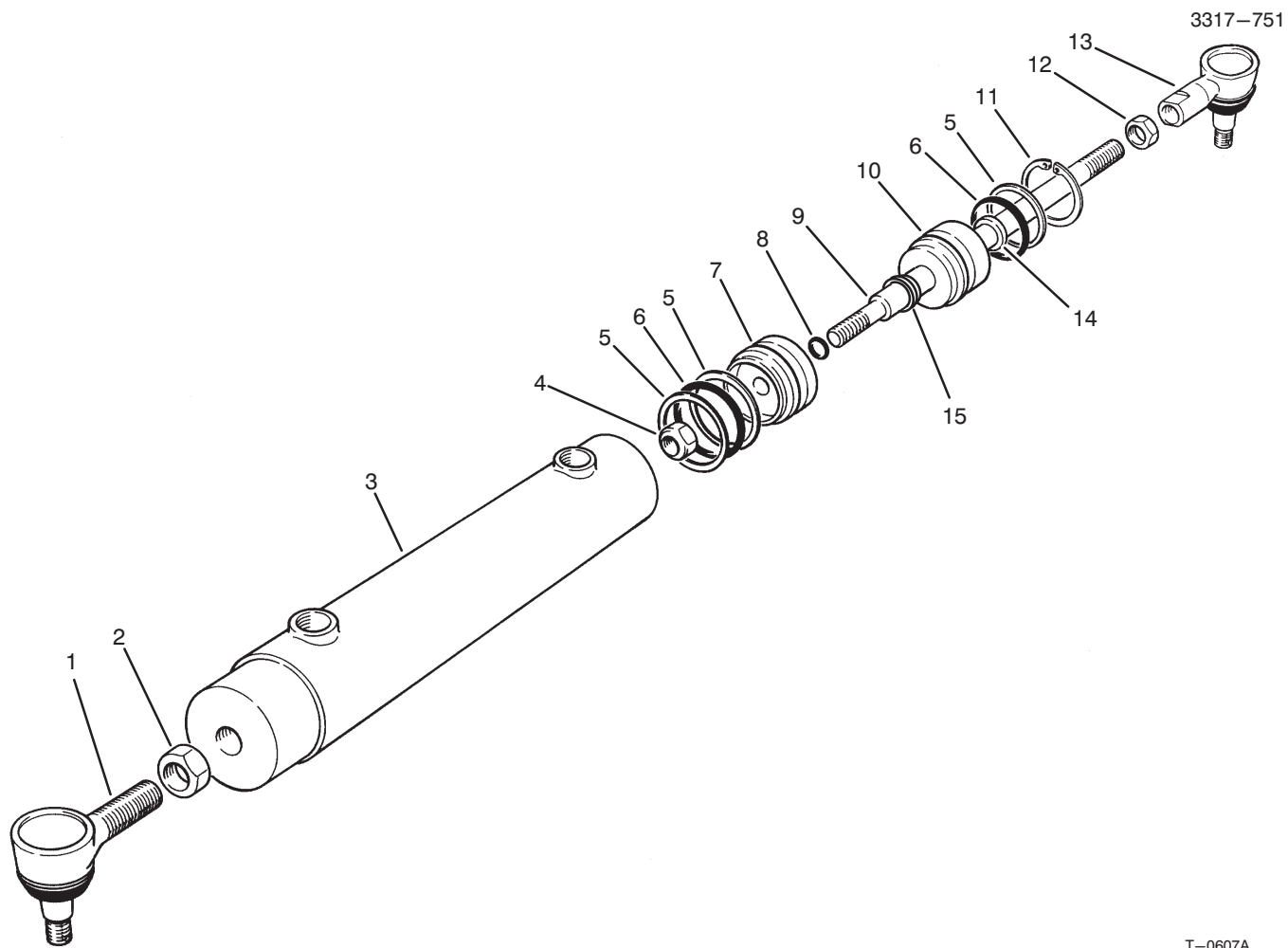


T-0638

## REAR WHEEL ASSEMBLY

| Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|--------------------------------------------|----------|
| 1        | 56-7983  | Sleeve - Protective                        | 1        |
| 2        | 3290-378 | Tie - Cable                                | 2        |
| 3        | 68-5750  | Hose - Steering, Cyl. Base                 | 1        |
| 4        | 237-35   | O-Ring                                     | 2        |
| 5        | 68-5760  | Hose - Steering, Cyl. Rod                  | 1        |
| 6        | 340-132  | Fitting - Hydraulic<br>(Incl. Ref. #4 & 7) | 2        |
| 7        | 237-78   | O-Ring                                     | 2        |
| 8        | 3253-4   | Washer - Lock                              | 2        |
| 9        | 322-3    | Screw - Cap, Hex. Hd.                      | 2        |
| 10       | 254-61   | Cup - Bearing                              | 2        |
| 11       | 254-70   | Cone - Bearing                             | 2        |
| 12       | 18-6320  | Washer - Thrust                            | 3        |
| 13       | 32136-9  | Nut - Castle                               | 1        |
| 14       | 3272-37  | Pin - Cotter                               | 1        |
| 15       | 70-8330  | Fork - Caster                              | 1        |
| 16       | 70-8370  | Bolt - Wheel, Castor                       | 1        |

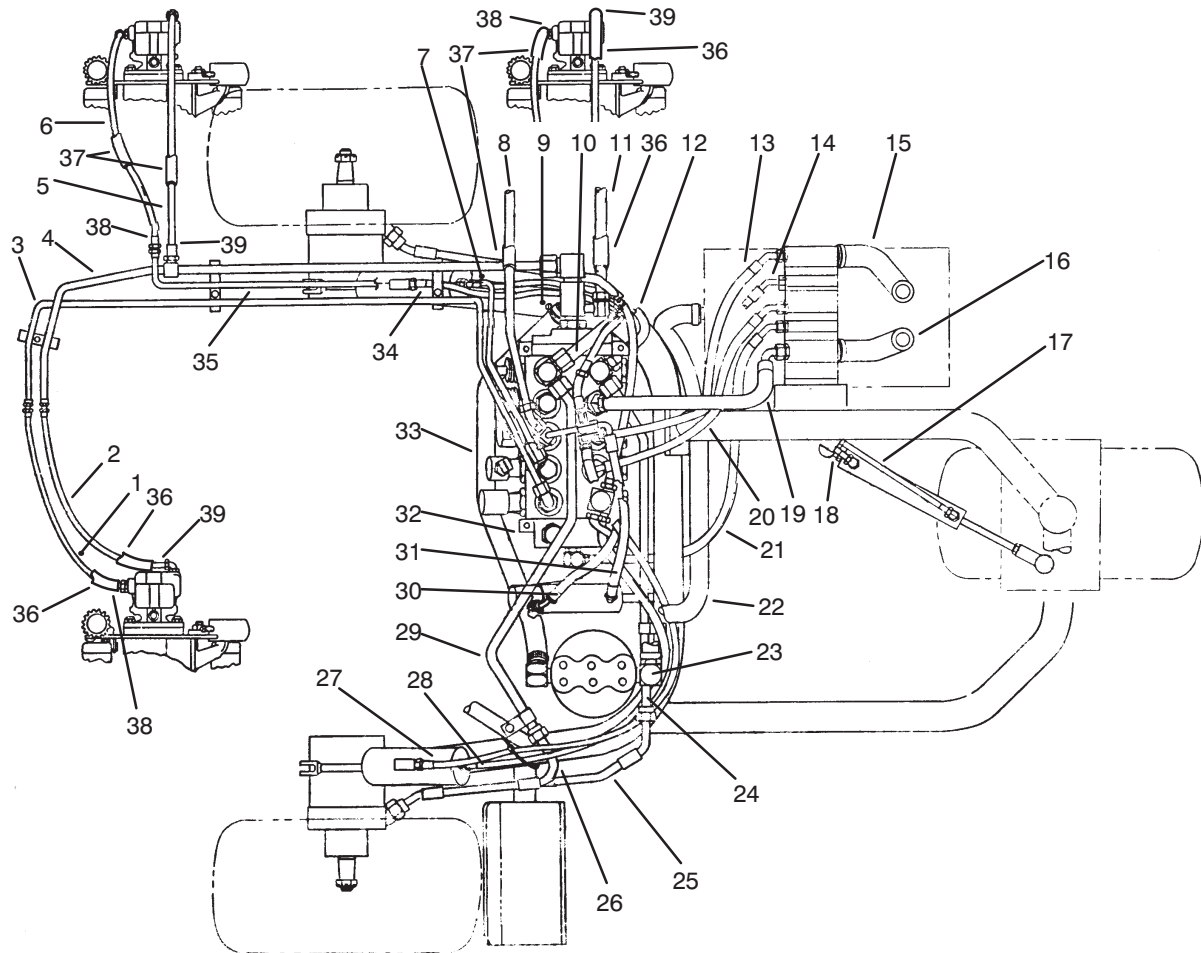
| Ref. No. | Part No. | Description                               | No. Used |
|----------|----------|-------------------------------------------|----------|
| 17       | 242-86   | Rim                                       | 1        |
| 18       | 302-5    | Fitting - Grease                          | 1        |
| 19       | 254-79   | Cup - Bearing                             | 2        |
| 20       | 254-78   | Cone - Bearing                            | 2        |
| 21       | 253-111  | Seal - Bearing                            | 2        |
| 22       | 70-8490  | Spacer                                    | 2        |
| 23       | 10-6830  | Stud - Drive                              | 4        |
| 24       | 75-9440  | Hub Assembly<br>(Incl. Ref. #18, 19 & 23) | 1        |
| 25       | 70-8500  | Tire                                      | 1        |
| 26       | 232-24   | Stem - Valve                              | 1        |
| 27       | 242-50   | Nut - Lock                                | 4        |
| 28       | 70-8400  | Fender - Rear                             | 1        |
| 29       | 3296-67  | Nut - Lock                                | 1        |
| 31       | 68-4770  | Cylinder - Steering, Hyd.                 | 1        |
| 32       | 3256-24  | Washer - Flat                             | 1        |
| 33       | 3220-3   | Nut - Jam                                 | 4        |



T-0607A

## HYDRAULIC STEERING CYLINDER

| Ref. No. | Part No. | Description       | No. Used | Ref. No. | Part No. | Description                                               | No. Used |
|----------|----------|-------------------|----------|----------|----------|-----------------------------------------------------------|----------|
| 1        | 21-0140  | Joint - Ball      | 1        | 11       | 68-4810  | Ring - Retaining                                          | 1        |
| 2        | 3219-5   | Nut - Jam         | 1        | 12       | 3218-5   | Nut - Jam                                                 | 1        |
| 3        | 68-4820  | Barrel            | 1        | 13       | 68-5150  | Joint - Ball                                              | 1        |
| 4        | 32152-7  | Nut - Lock        | 1        | 14       |          | Seal - Dust                                               | 1        |
| 5        |          | Washer - Backup   | 3        | 15       |          | Seal - Rod                                                | 1        |
| 6        |          | O-Ring            | 2        | *        | 92-8851  | Cylinder Repair Kit<br>(Incl. Ref. #5-6, 8, 14 & 15)      | 1        |
| 7        | 68-4790  | Piston - Cylinder | 1        | *        | 68-4770  | Hydraulic Steering Cylinder<br>(Incl. Ref. #3-11 & 14-15) | 1        |
| 8        |          | O-Ring            | 1        |          |          |                                                           |          |
| 9        | 68-4800  | Shaft - Cylinder  | 1        |          |          |                                                           |          |
| 10       | 68-4780  | Head - Cylinder   | 1        |          |          |                                                           |          |

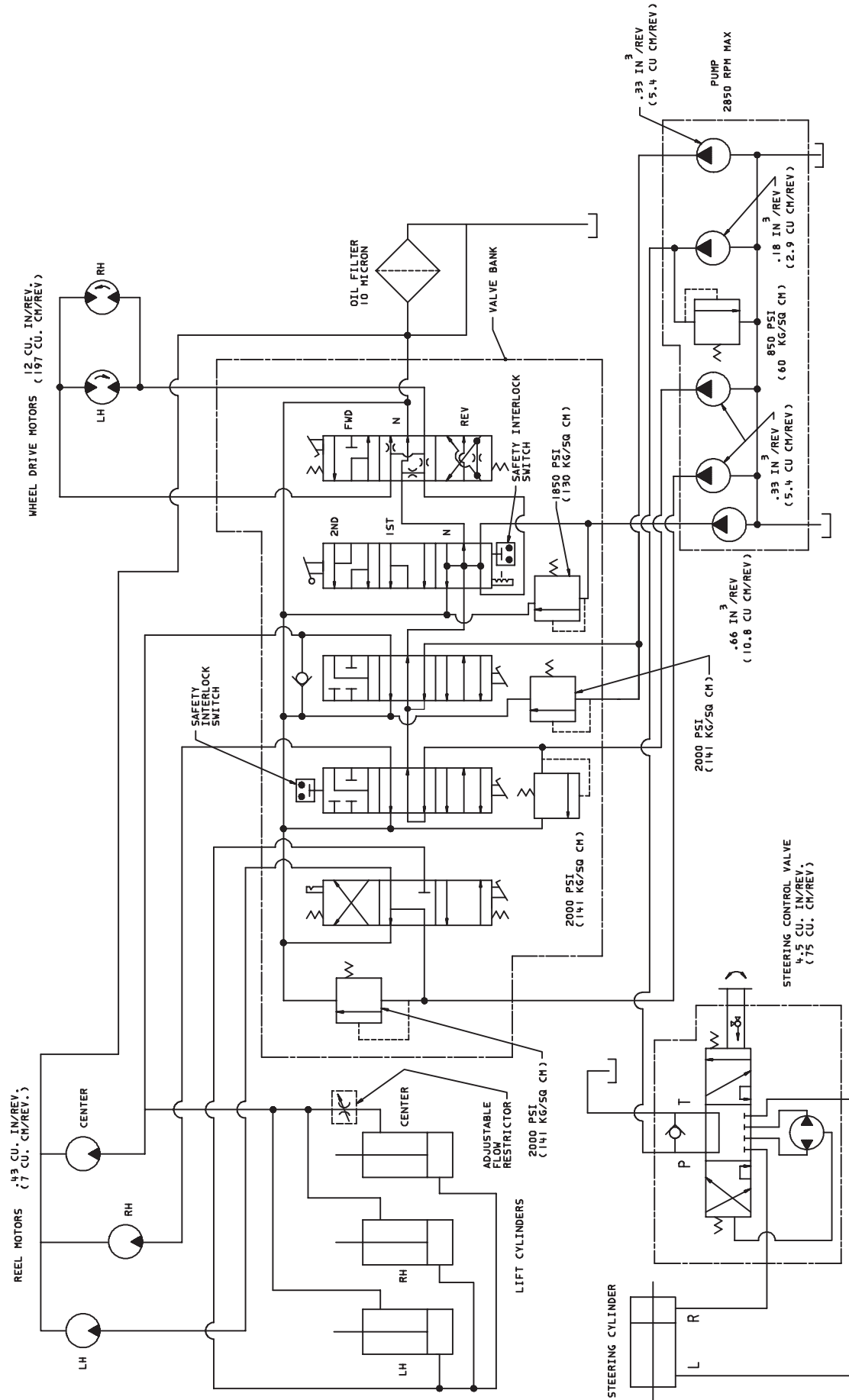


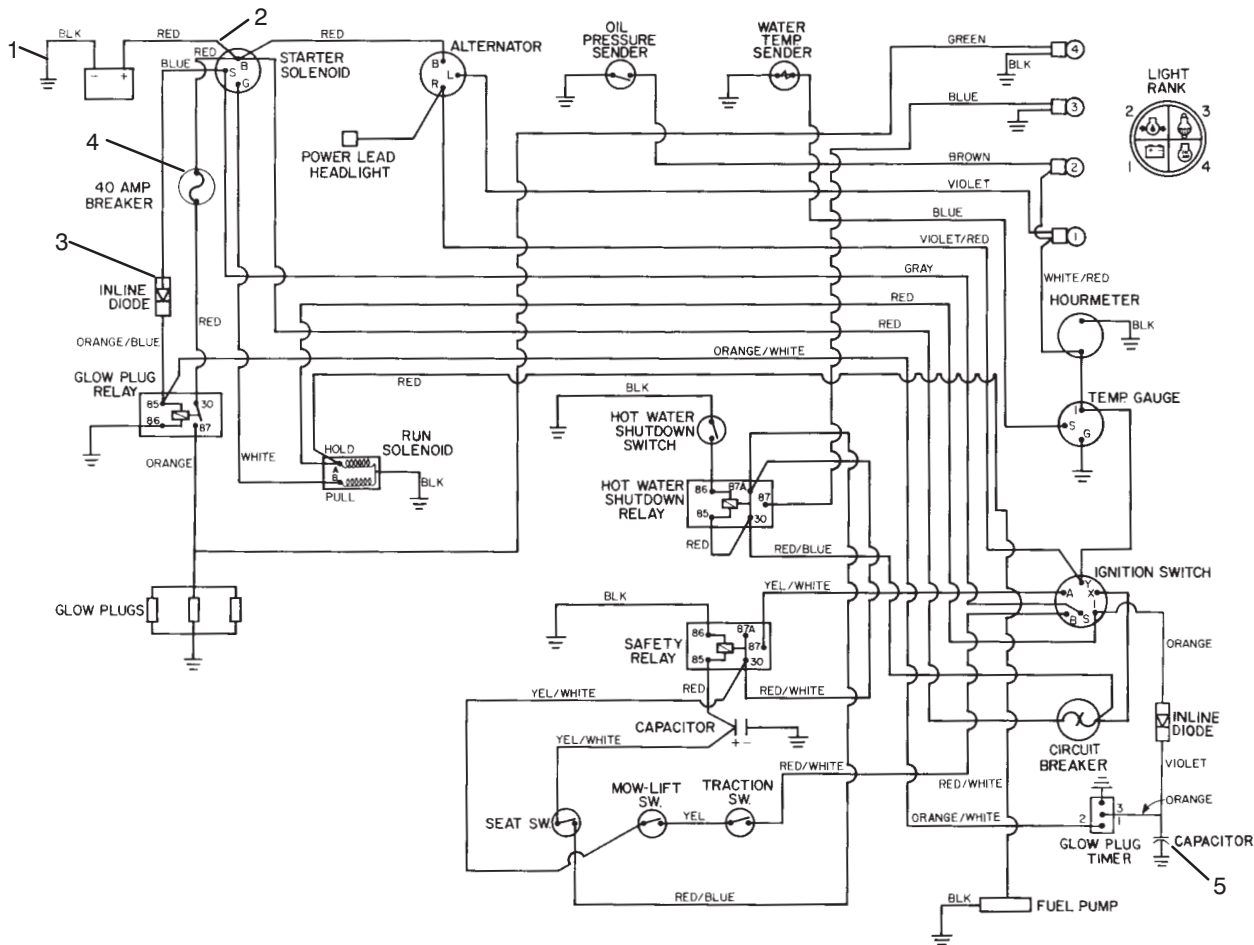
T-2170

## HYDRAULIC SYSTEM ASSEMBLY

| Ref. No. | Part No. | Description                                    | No. Used | Ref. No. | Part No. | Description                   | No. Used |
|----------|----------|------------------------------------------------|----------|----------|----------|-------------------------------|----------|
| 1        | 63-3870  | Hose - Pressure, LH<br>(Incl. Ref. #36 & 38)   | 1        | 18       | 68-5750  | Hose - Steering, Cyl. Base    | 1        |
| 2        | 63-3830  | Hose - Return, LH<br>(Incl. Ref. #36 & 39)     | 1        | 19       | 68-5810  | Hose - Pump                   | 1        |
| 3        | 63-4020  | Tube - Pressure, LH                            | 1        | 20       | 68-5770  | Hose - Pump                   | 1        |
| 4        | 63-4040  | Tube - Return                                  | 1        | 21       | 68-5710  | Hose - Pump                   | 1        |
| 5        | 63-3820  | Hose - Return, RH<br>(Incl. Ref. #37 & 39)     | 1        | 22       | 68-5890  | Hose - Return, Filter         | 1        |
| 6        | 63-3810  | Hose - Pressure, RH<br>(Incl. Ref. #37 & 38)   | 1        | 23       | 353-564  | Fitting 90°                   | 2        |
| 7        | 63-3880  | Hose - Cyl. Lift, RH & Rear                    | 1        | 24       | 83-1200  | Tube - Hydraulic              | 1        |
| 8        | 74-3830  | Hose - Pressure, Rear<br>(Incl. Ref. #37 & 39) | 1        | 25       | 70-7150  | Hose - Hyd. Lower, LH         | 1        |
| 9        | 2412-3   | Clamp - Hose                                   | 12       | 26       | 70-8610  | Hose - Hyd. Upper, LH         | 1        |
| 10       | 70-8600  | Hose - Hyd. Upper, RH                          | 1        | 27       | 63-3850  | Hose - Cylinder, Drop LH      | 1        |
| 11       | 63-3840  | Hose - Return, Rear<br>(Incl. Ref. #36 & 39)   | 1        | 28       | 63-3890  | Hose - Cylinder, Lift LH      | 1        |
| 12       | 83-2460  | Hose                                           | 1        | 29       | 70-7130  | Tube - Traction, LH Upper     | 1        |
| 13       | 68-5850  | Hose - Pump                                    | 1        | 30       | 84-8260  | Hose - Cylinder, Lift Rear    | 1        |
| 14       | 68-5840  | Hose - Pump, Steering                          | 1        | 31       | 68-5830  | Hose - Cylinder, Drop Rear    | 1        |
| 15       | 68-5870  | Hose - Pump, Inlet RH                          | 1        | 32       | 84-2203  | Control Valve Assembly        | 1        |
| 16       | 68-5860  | Hose - Pump, Inlet LH                          | 1        | 33       | 68-5880  | Return Line - Manifold/Filter | 1        |
| 17       | 68-5760  | Hose - Steering, Cyl. Rod                      | 1        | 34       | 63-3950  | Hose - Cylinder, Drop RH      | 1        |
|          |          |                                                |          | 35       | 63-4030  | Tube - Pressure RH            | 1        |
|          |          |                                                |          | 36       | 56-7981  | Sleeve - Protective           | 3        |
|          |          |                                                |          | 37       | 56-7980  | Sleeve - Protective           | 3        |
|          |          |                                                |          | 38       | 93-9346  | Clamp - Hose, Pressure        | 6        |
|          |          |                                                |          | 39       | 93-9347  | Clamp - Hose, Return          | 6        |

# HYDRAULIC SCHEMATIC





T-0819A

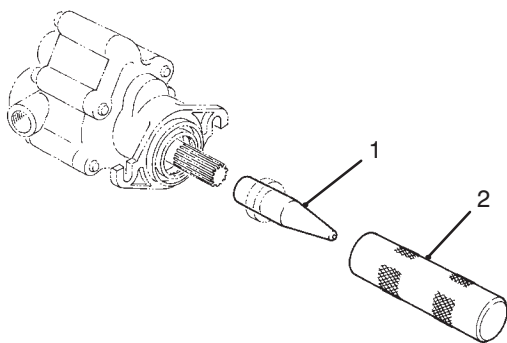
# ELECTRICAL SCHEMATIC

| Ref. No. | Part No. | Description               | No. Used | Ref. No. | Part No. | Description                               | No. Used |
|----------|----------|---------------------------|----------|----------|----------|-------------------------------------------|----------|
| 1        | 92-1190  | Cable – Battery, Negative | 1        | 5        | 92-3057  | Capacitor Assembly                        | 1        |
| 2        | 92-1191  | Cabe – Battery, Positive  | 1        | *        | 92-2360  | Wire Harness Assembly (Incl. Ref. #3 & 4) | 1        |
| 3        | 86-7470  | Diode – Inline            | 2        |          |          |                                           |          |
| 4        | 70-8570  | Breaker – Circuit         | 1        |          |          |                                           |          |

\*Not Illustrated

# SPECIAL TOOLS

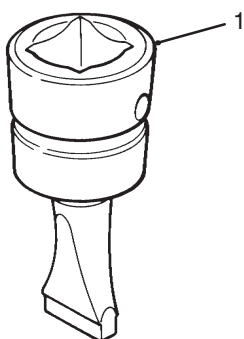
## REEL MOTOR SEAL INSTALLATION TOOLS



T-0727

| Ref. No. | Part No.  | Description      | No. Used |
|----------|-----------|------------------|----------|
| 1        | TOR491430 | Protector – Seal | 1        |
| 2        | TOR491450 | Installer – Seal | 1        |

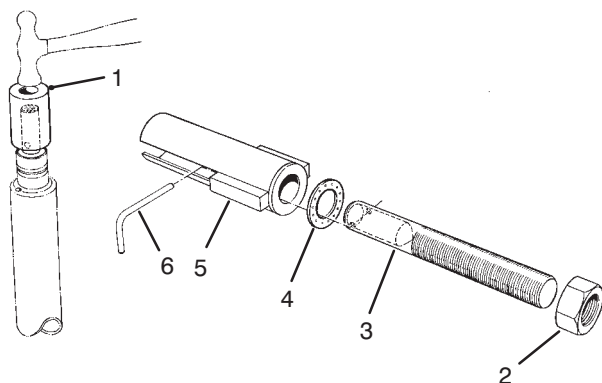
## BED KNIFE SCREW TOOL NO. TOR510880



T-0729

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 1        |          | Tool – Bed Knife Screw | 1        |

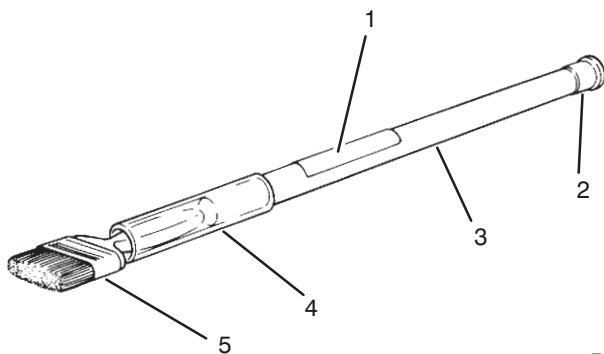
## BEARING REPLACEMENT TOOL KIT NO. TOR238900



T-0730

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 1        | 23-8880  | Driver – Bearing       | 2        |
| 2        | 3219-18  | Nut – Hex.             | 1        |
| 3        | 23-8840  | Puller – Bolt          | 1        |
| 4        | 22-6090  | Washer – Thrust        | 1        |
| 5        | 23-8850  | Tube – Support         | 1        |
| 6        | 23-8860  | Pin – Bearing Rplcmnt. | 1        |

## BACKLAPPING BRUSH ASSEMBLY NO. 29-9100



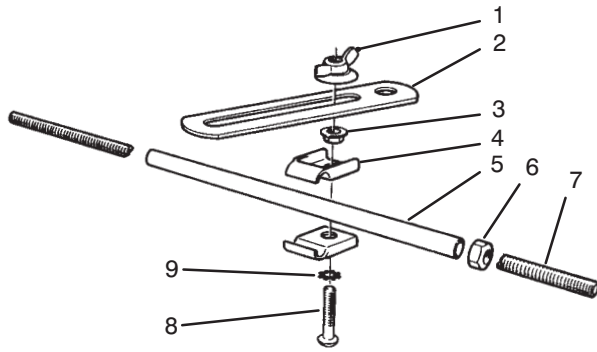
T-0731

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

Note: Special tools may be ordered from: Owatonna Tool Company 2013 4th St. NW Owatonna, MN 55060

# SPECIAL TOOLS (Continued)

## ALIGNMENT TOOL NO. TOR200120



T-0732

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 1        | 3-4808   | Nut - Wing                | 1        |
| 2        | 20-0110  | Bracket - Alignment       | 1        |
| 3        | 32128-20 | Nut - Lock, Flange        | 1        |
| 4        | 3-6657   | Clip - Skid               | 2        |
| 5        | 20-0070  | Tube                      | 1        |
| 6        | 3219-2   | Nut - Hex.                | 1        |
| 7        | 20-0080  | Rod                       | 1        |
| 8        | 32122-35 | Screw - Truss Head        | 1        |
| 9        | 3255-8   | Washer - Lock, Int. Tooth | 1        |

**Note: Special tools may be ordered from: Owatonna Tool Company  
2013 4th St. NW  
Owatonna, MN 55060**

# TORO PART NUMBER INDEX

3317-751

| Part No. | Description                 | Pg. Ref.<br>No. No. Qty. | Part No. | Description                | Pg. Ref.<br>No. No. Qty. |
|----------|-----------------------------|--------------------------|----------|----------------------------|--------------------------|
| 3-0348   | Bushing - Sleeve            | 5 30 6                   | 27-7180  | Cap - Inlet, Air Cleaner   | 38 1 1                   |
| 3-0348   | Bushing - Sleeve            | 8 31 6                   | 28-3680  | Tire                       | 5 2 2                    |
| 3-0348   | Bushing - Sleeve            | 2 35 6                   | 29-9080  | Handle                     | 45 3 1                   |
| 3-1506   | Bushing - Flange            | 2 71 12                  | 29-9090  | Hose - Handle              | 45 4 1                   |
| 3-4808   | Nut - Wing                  | 46 1 1                   | 31-0390  | Washer - Friction          | 11 48 4                  |
| 3-6657   | Clip - Skid                 | 46 4 2                   | 36-4310  | Brush                      | 45 5 1                   |
| 3-6685   | Spring - Compression        | 22 38 1                  | 37-2690  | Capacitor                  | 22 35 1                  |
| 5-0946   | Key - Square                | 39 16 1                  | 38-0410  | Nut - Hex.                 | 19 53 1                  |
| 5-1226   | Washer - Shim               | 2 37 2                   | 38-0410  | Nut - Hex.                 | 21 59 1                  |
| 5-1226   | Washer - Shim               | 6 57 2                   | 39-9600  | Clamp - Mounting           | 14 22 1                  |
| 5-1228   | Washer - Shim               | 9 75 2                   | 42-2680  | Race R. Detent             | 18 46 1                  |
| 5-3637   | Washer - Flat               | 28 27 1                  | 42-7080  | Cap                        | 32 2 2                   |
| 8-7710   | Ball Joint Receiver Assy.   | 2 68 6                   | 42-7190  | Bushing                    | 30 33 1                  |
| 10-6060  | Pin - Cylinder, Pivot       | 1 27 2                   | 42-7210  | Plug                       | 29 16 1                  |
| 10-6090  | Pin - Pivot                 | 8 37 1                   | 42-7290  | Gasket - Drain, Oil        | 29 13 2                  |
| 10-6090  | Pin - Pivot                 | 5 41 1                   | 42-7510  | Pipe                       | 33 4 1                   |
| 10-6090  | Pin - Pivot                 | 2 60 1                   | 42-7510  | Pipe                       | 33 9 1                   |
| 10-6110  | Pin - Hinge                 | 1 32 2                   | 42-7840  | Key                        | 32 17 1                  |
| 10-6820  | Brake Drum Assembly         | 6 55 2                   | 42-7860  | Lock                       | 31 31 12                 |
| 10-6830  | Stud - Drive                | 40 23 4                  | 42-7870  | Seal                       | 31 28 6                  |
| 10-6870  | Hub - Wheel                 | 5 5 2                    | 42-8240  | Gasket                     | 35 6 3                   |
| 10-7820  | Pivot Hinge Assembly        | 2 34 1                   | 42-8690  | Metal - Sealing            | 34 34 1                  |
| 10-7820  | Pivot Hinge Assembly        | 5 34 1                   | 42-8700  | Wire                       | 34 35 1                  |
| 10-7820  | Pivot Hinge Assembly        | 8 34 1                   | 42-8830  | O-Ring                     | 34 6 2                   |
| 10-7850  | Latch - Brake, Parking      | 2 83 1                   | 42-9110  | Gasket                     | 33 21 1                  |
| 10-7880  | Hinge - Upper, Park, Brake  | 2 84 1                   | 42-9110  | Gasket - Muffler           | 25 22 1                  |
| 10-7890  | Hinge - Lower, Park Brake   | 2 81 1                   | 42-9260  | Plug                       | 29 12 1                  |
| 10-8100  | Strap - Shaft, Brake        | 2 55 2                   | 42-9420  | Bolt                       | 34 31 2                  |
| 10-8110  | Washer - Thrust             | 5 29 6                   | 42-9430  | Bolt & Washer              | 33 7 1                   |
| 10-8110  | Washer - Thrust             | 8 35 6                   | 42-9430  | Bolt & Washer              | 34 11 2                  |
| 10-8110  | Washer - Thrust             | 2 36 6                   | 42-9440  | Bolt & Washer              | 29 6 11                  |
| 10-8140  | Spring - Latch, Brake       | 2 82 1                   | 42-9440  | Bolt & Washer              | 28 24 1                  |
| 10-8220  | Pad - Tool Box              | 5 23 1                   | 42-9440  | Bolt & Washer              | 31 25 4                  |
| 11-0160  | Screw Assy. - Shaft, Roller | 2 78 6                   | 42-9490  | Bolt & Washer              | 27 11 4                  |
| 12-3270  | Screw - Hex. Flange Hd.     | 8 17 2                   | 42-9490  | Bolt & Washer              | 32 11 2                  |
| 12-3270  | Screw - Thread Forming      | 11 9 6                   | 42-9490  | Bolt & Washer              | 29 15 18                 |
| 12-3270  | Screw - Washer Hd.          | 25 47 1                  | 42-9510  | Bolt                       | 31 39 1                  |
| 12-9140  | Decal                       | 45 1 1                   | 42-9570  | Stud                       | 33 22 4                  |
| 17-9420  | Screw - Stop, Accelerator   | 9 64 1                   | 42-9590  | Nut                        | 31 17 6                  |
| 18-6320  | Washer - Thrust             | 40 12 3                  | 42-9640  | Nut - Jam                  | 34 9 2                   |
| 20-0070  | Tube                        | 46 5 1                   | 42-9650  | Nut - Jam                  | 30 30 1                  |
| 20-0080  | Rod                         | 46 7 1                   | 42-9660  | Washer                     | 28 4 1                   |
| 20-0110  | Bracket - Alignment         | 46 2 1                   | 42-9660  | Washer                     | 31 36 3                  |
| 21-0140  | Joint - Ball                | 41 1 1                   | 42-9850  | Washer - Lock              | 25 23 4                  |
| 21-8470  | Shaft - Yoke, Roller        | 2 72 3                   | 42-9850  | Washer - Lock              | 37 26 2                  |
| 22-6090  | Washer - Thrust             | 45 4 1                   | 43-0370  | Shim                       | 28 5 1                   |
| 23-8840  | Puller - Bolt               | 45 3 1                   | 43-0510  | Spring - Brush             | 28 14 2                  |
| 23-8850  | Tube - Support              | 45 5 1                   | 43-1920  | Nut - Special              | 28 17 1                  |
| 23-8860  | Pin - Bearing Rplcmnt.      | 45 6 1                   | 43-2550  | Filter                     | 30 18 1                  |
| 23-8880  | Driver - Bearing            | 45 1 2                   | 43-2560  | Gasket                     | 30 19 1                  |
| 26-3790  | Nut - Lock                  | 5 4 2                    | 43-2570  | Gasket                     | 30 17 1                  |
| 27-1960  | Hub                         | 25 48 1                  | 43-2580  | Magnet                     | 30 20 1                  |
| 27-1970  | Hub                         | 26 50 1                  | 43-2710  | O-Ring                     | 33 35 2                  |
| 27-2270  | Rod - Adjustment, Brake     | 2 54 2                   | 43-2740  | Gasket - Solenoid          | 25 21 1                  |
| 27-2320  | Bearing - Side Flange       | 8 12 2                   | 43-2750  | Nut - Jam                  | 25 19 1                  |
| 27-2320  | Bearing - Side Flange       | 3 96 2                   | 43-5220  | Ring - Retaining           | 10 10 1                  |
| 27-2360  | Switch - Key                | 14 21 1                  | 43-5230  | Shaft/Clevis               | 10 11 1                  |
| 27-2380  | Spacer - Mount, Filter      | 15 20 1                  | 43-5920  | Washer - Lock              | 28 28 1                  |
| 27-2400  | Strap - Reservoir           | 15 28 2                  | 43-5970  | Nut - Hex.                 | 28 29 1                  |
| 27-2420  | Felt - Angle                | 15 42 2                  | 43-8600  | Spring - Compression       | 22 43 1                  |
| 27-2540  | Spacer - Hub                | 9 76 1                   | 43-8610  | Guide - Spring & Ball Seat | 22 42 1                  |
| 27-2550  | Pin - Hinge                 | 9 57 1                   | 43-8620  | Guide - Pin, Switch        | 22 45 1                  |
| 27-2830  | Decal - Brake, Parking      | 3 87 1                   | 43-8860  | Plunger - Switch           | 22 44 1                  |
| 27-3030  | Felt - Strap                | 16 78 2                  | 43-8870  | Boot - Switch              | 22 48 1                  |
| 27-6600  | Spacer                      | 25 49 4                  | 43-9071  | Switch Assembly            | 23 * 1                   |
| 27-7100  | Air Cleaner Assembly        | 38 16 1                  | 44-0870  | Camshaft - Rear            | 8 13 1                   |
| 27-7110  | Element - Cleaner, Air      | 38 8 1                   | 44-2230  | Coupling - Rubber          | 25 12 1                  |
| 27-7120  | Nut & Gasket Assembly       | 38 9 1                   | 44-2500  | Dye - Hydraulic Oil        | 16 * 1                   |
| 27-7130  | Clamp Assembly              | 38 11 2                  | 44-5560  | Head - Filter, Hydraulic   | 16 47 1                  |
| 27-7140  | Skirt - Baffle              | 38 10 1                  | 47-5320  | Lever - Cutting Control    | 8 10 1                   |
| 27-7150  | Cap Assembly                | 38 12 1                  | 47-6990  | Nut - Lock                 | 11 4 1                   |
| 27-7160  | Decal - Instructions        | 38 3 1                   | 48-7630  | Screw - Cap, Metric        | 26 70 1                  |
| 27-7170  | Band Assembly               | 38 15 2                  | 48-7930  | Nut                        | 25 24 4                  |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

| Part No. | Description               | Pg. Ref.<br>No. No. Qty. | Part No. | Description                 | Pg. Ref.<br>No. No. Qty. |
|----------|---------------------------|--------------------------|----------|-----------------------------|--------------------------|
| 48-8010  | Washer - Flat             | 26 71 1                  | 56-7987  | Sleeve - Protective         | 16 75 1                  |
| 48-8020  | Washer - Lock             | 26 72 1                  | 57-6140  | Clamp - Tube, Side          | 5 14 4                   |
| 48-9590  | Washer - Lock             | 25 43 18                 | 57-6220  | Link - Connector            | 16 56 5                  |
| 49-5410  | Box - Tool                | 5 24 1                   | 57-6390  | Nut - Hex.                  | 37 25 2                  |
| 49-5430  | Rod - Control             | 5 21 1                   | 57-7650  | Spring - Torsion            | 5 36 1                   |
| 49-5450  | Plate - Cover             | 5 13 1                   | 57-7650  | Spring - Torsion            | 8 40 1                   |
| 49-5840  | Support - Seat            | 11 40 1                  | 57-7650  | Spring - Torsion            | 2 46 1                   |
| 49-5880  | Shaft - Support, Seat     | 11 35 1                  | 58-5830  | Hose - Hydraulic            | 8 29 1                   |
| 49-6110  | Guard - Rod, Transfer     | 3 94 1                   | 58-6530  | Decal - Oil                 | 15 30 1                  |
| 49-6120  | Pad - Footrest            | 1 15 1                   | 59-6730  | Race - Bearing              | 13 8 2                   |
| 49-6200  | Lever - Cutting Control   | 1 2 1                    | 59-6740  | Bearing - Needle Thrust     | 13 9 1                   |
| 49-6220  | Bracket - Control Arm     | 8 15 1                   | 59-6830  | Centering Pin Kit           | 13 20 1                  |
| 49-6250  | Bracket - Pivot, Traction | 9 55 1                   | 59-9740  | Latch Assembly              | 24 28 2                  |
| 49-6260  | Traction Pivot Tube Assy. | 8 16 1                   | 62-2390  | Bar - Lift, LH              | 2 47 1                   |
| 49-6290  | Shaft - Pivot, Traction   | 8 18 1                   | 62-2420  | Bar - Arm, Lift             | 8 41 1                   |
| 49-6320  | Rod - Control, Traction   | 8 3 1                    | 62-2420  | Bar - RH Arm, Lift          | 5 37 1                   |
| 49-6430  | Pad - Pedal Reverse       | 8 8 1                    | 62-2440  | Lift Arm Assembly RH        | 5 31 1                   |
| 49-6440  | Pedal - Accelerator       | 8 6 1                    | 62-2460  | Lift Arm Assembly - LH      | 2 38 1                   |
| 49-6470  | Pad - Pedal Forward       | 8 5 1                    | 62-2570  | Cap - Breather              | 15 32 1                  |
| 51-0010  | Decal - Traction          | 11 41 1                  | 62-2580  | Spacer (Optional)           | 5 * 2                    |
| 51-0350  | Pin - Spring, Seat        | 22 37 1                  | 62-2610  | Screen Assembly             | 15 35 1                  |
| 51-0780  | Slide - Seat              | 11 13 1                  | 62-2660  | Pad - Step                  | 1 30 1                   |
| 51-0790  | Adjuster - Seat           | 11 28 1                  | 62-5070  | Decal - Danger              | 6 50 1                   |
| 52-1570  | Bolt Set                  | 37 9 1                   | 62-5070  | Decal - Danger              | 9 60 1                   |
| 52-1880  | Adapter - Fitting, Fuel   | 22 52 1                  | 62-5070  | Decal - Danger              | 2 61 1                   |
| 52-1890  | Wellnut - Rubber          | 22 33 1                  | 62-5550  | Decal - TORO                | 11 30 2                  |
| 52-1990  | Piston                    | 4 4 1                    | 63-3810  | Hose - Pressure, RH         | 16 67 1                  |
| 52-2720  | Roller Assembly           | 2 73 3                   | 63-3810  | Hose - Pressure, RH         | 42 6 1                   |
| 52-5860  | Collar - Spool            | 20 51 1                  | 63-3820  | Hose - Return, RH           | 16 64 1                  |
| 52-5880  | Ball - Steel              | 18 47 12                 | 63-3820  | Hose - Return, RH           | 42 5 1                   |
| 52-5900  | Screw - Fillister Hd.     | 20 37 4                  | 63-3830  | Hose - Return, LH           | 16 65 1                  |
| 52-9230  | Ring - Retaining          | 13 2 1                   | 63-3830  | Hose - Return, LH           | 42 2 1                   |
| 52-9260  | Screw - Set               | 13 26 1                  | 63-3840  | Hose - Return, Rear         | 16 70 1                  |
| 52-9270  | Seat - Ball Check         | 13 24 1                  | 63-3840  | Hose - Return, Rear         | 42 11 1                  |
| 52-9280  | Ball - Check              | 13 22 1                  | 63-3850  | Hose - Cylinder             | 1 25 1                   |
| 52-9290  | Retainer - Ball Check     | 13 21 1                  | 63-3850  | Hose - Cylinder, Drop LH    | 42 27 1                  |
| 53-8150  | Pump - Fuel               | 22 19 1                  | 63-3870  | Hose - Pressure, LH         | 16 66 1                  |
| 53-8150  | Pump Assembly             | 30 21 1                  | 63-3870  | Hose - Pressure, LH         | 42 1 1                   |
| 53-9880  | Washer                    | 22 51 1                  | 63-3880  | Hose - Cyl. Lift, RH & Rear | 42 7 1                   |
| 54-8660  | Washer                    | 28 25 1                  | 63-3890  | Hose - Cylinder, Lift LH    | 1 26 1                   |
| 55-3577  | Cap - Fuel                | 22 9 1                   | 63-3890  | Hose - Cylinder, Lift LH    | 42 28 1                  |
| 55-8480  | Reservoir - Hydraulic     | 15 29 1                  | 63-3950  | Hose - Cylinder, Drop RH    | 1 19 1                   |
| 56-0020  | Plug                      | 30 12 1                  | 63-3950  | Hose - Cylinder, Drop RH    | 42 34 1                  |
| 56-0020  | Plug                      | 32 21 2                  | 63-4020  | Tube - Hydraulic            | 42 3 1                   |
| 56-0020  | Plug - Expansion          | 33 18 1                  | 63-4030  | Tube - Pressure RH          | 42 35 1                  |
| 56-0100  | Plug                      | 30 37 1                  | 63-4040  | Tube - Return               | 42 4 1                   |
| 56-0220  | Pin                       | 30 35 2                  | 63-4050  | Fitting - Traction, Upper   | 15 12 2                  |
| 56-0480  | Key - Woodruff            | 32 8 1                   | 63-4060  | Tube Assembly               | 15 10 1                  |
| 56-0480  | Key - Woodruff            | 31 18 2                  | 63-7140  | Mount - Shock               | 25 38 4                  |
| 56-1060  | Ring - Snap               | 32 15 1                  | 63-7380  | Tank - Reserve              | 24 34 1                  |
| 56-1230  | Shaft - Filter, Oil       | 30 28 1                  | 63-7400  | Washer - Rebound            | 25 37 4                  |
| 56-1510  | Screw - Set               | 37 3 1                   | 63-7430  | Gauge - Temperature         | 14 3 1                   |
| 56-1580  | Armature Set              | 37 23 1                  | 63-7440  | Solenoid - Stop             | 25 16 1                  |
| 56-1590  | Bearing - Front           | 37 24 1                  | 63-7590  | Relay - SPDT                | 23 55 2                  |
| 56-1600  | Bearing - Rear            | 37 22 1                  | 63-7622  | Hose - Fuel                 | 22 18 2                  |
| 56-1610  | Bolt                      | 37 17 1                  | 63-7623  | Hose - Fuel                 | 22 49 1                  |
| 56-1640  | Stopper Set               | 37 14 1                  | 63-7790  | Screw                       | 25 42 18                 |
| 56-1670  | Gear                      | 37 11 1                  | 63-8280  | Head Assembly               | 22 29 1                  |
| 56-1680  | Cover Set                 | 37 10 1                  | 63-8290  | Fitting - Vent              | 22 30 1                  |
| 56-1700  | Brush Holder Assembly     | 37 19 1                  | 63-8300  | Element - Filter            | 22 31 1                  |
| 56-1710  | Spring - Brush            | 37 20 4                  | 63-8310  | Fitting - Drain             | 22 32 1                  |
| 56-1720  | Rear Bracket Assembly     | 37 18 1                  | 63-8360  | Key                         | 14 4 1                   |
| 56-2230  | Hose - Fuel               | 22 7 1                   | 63-8440  | Decal - Hot Surface         | 24 44 1                  |
| 56-2520  | Valve - Shutoff, Fuel     | 22 16 1                  | 63-8750  | Pin - Pivot                 | 8 33 1                   |
| 56-7970  | Clamp - Tube              | 3 88 2                   | 63-8750  | Pin - Pivot                 | 5 42 1                   |
| 56-7980  | Sleeve - Protective       | 16 68 3                  | 63-8750  | Pin - Pivot                 | 2 45 1                   |
| 56-7980  | Sleeve - Protective       | 42 37 3                  | 65-4500  | Seal - Snap Ring            | 7 14 1                   |
| 56-7981  | Sleeve - Protective       | 16 71 3                  | 65-4550  | Valve - Ball, Check         | 7 6 2                    |
| 56-7981  | Sleeve - Protective       | 42 36 3                  | 65-4560  | Plug - Hex. (Hollow)        | 7 3 1                    |
| 56-7983  | Sleeve - Protective       | 40 1 1                   | 65-4570  | Seal - Square Ring          | 7 4 2                    |
| 56-7983  | Sleeve - Protective       | 12 57 1                  | 65-4600  | Washer - Thrust             | 7 19 2                   |
| 56-7984  | Sleeve - Protective       | 26 57 1                  | 65-4610  | Bearing - Thrust            | 7 20 1                   |
| 56-7986  | Sleeve - Protective       | 16 74 1                  | 65-4620  | O-Ring                      | 7 12 1                   |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3317-751

| Part No. | Description              | Pg. Ref.<br>No. No. Qty. | Part No. | Description              | Pg. Ref.<br>No. No. Qty. |
|----------|--------------------------|--------------------------|----------|--------------------------|--------------------------|
| 65-4640  | Key - Square             | 7 11 1                   | 67-2710  | Cap - Sealing            | 33 40 3                  |
| 65-4640  | Key - Square             | 6 49 2                   | 67-2730  | Bolt                     | 33 42 8                  |
| 65-4650  | Nut - Slotted            | 7 13 1                   | 67-2760  | Gasket                   | 33 14 1                  |
| 65-4690  | Seal/Retainer Assembly   | 7 * 1                    | 67-2770  | Nut - Cap                | 33 12 2                  |
| 65-4700  | Body Seal Kit            | 7 * 1                    | 67-2780  | Washer                   | 33 13 2                  |
| 65-4860  | Head                     | 4 10 1                   | 67-2860  | Bolt                     | 31 12 6                  |
| 65-5871  | Tube                     | 11 17 1                  | 67-2880  | Bearing Set - Std.       | 31 8 1                   |
| 65-5890  | Cap - Tube               | 11 19 2                  | 67-2890  | Bearing Set - 0.25 U.    | 31 * 1                   |
| 66-2490  | Retainer - Battery       | 23 60 2                  | 67-2900  | Bearing Set - 0.50 U.    | 31 * 1                   |
| 66-2950  | Hour Meter               | 14 1 1                   | 67-2910  | Gear                     | 31 7 1                   |
| 66-2960  | Light - Cluster, Warning | 14 33 1                  | 67-2940  | Nut - Jam                | 31 22 1                  |
| 66-3240  | Cap - Radiator           | 24 6 1                   | 67-2950  | Washer                   | 31 20 1                  |
| 66-5292  | Motor - Hydraulic        | 6 48 2                   | 67-2960  | Washer - Lock            | 31 21 1                  |
| 66-6840  | Decal - Hot Surface      | 15 37 1                  | 67-2970  | Flywheel Assembly        | 31 13 1                  |
| 66-6840  | Decal - Hot Surface      | 24 46 1                  | 67-2980  | Gear - Ring              | 31 15 1                  |
| 66-8800  | Relay - Glow             | 23 53 1                  | 67-2990  | Bolt                     | 31 14 4                  |
| 67-1690  | Fitting                  | 22 20 2                  | 67-3000  | Washer                   | 32 10 2                  |
| 67-1700  | Decal - Fluid, Starting  | 38 2 1                   | 67-3010  | Camshaft                 | 32 7 1                   |
| 67-2140  | Bolt - Flange            | 33 15 3                  | 67-3020  | Gear                     | 32 12 1                  |
| 67-2200  | Seal                     | 32 4 4                   | 67-3030  | Bearing                  | 32 9 2                   |
| 67-2210  | Plug                     | 30 36 3                  | 67-3040  | Plate                    | 32 14 1                  |
| 67-2220  | Guide                    | 30 8 1                   | 67-3040  | Ring - Snap              | 31 3 2                   |
| 67-2230  | Seal - Oil               | 30 14 1                  | 67-3050  | Bearing                  | 32 19 1                  |
| 67-2250  | Bolt                     | 32 5 8                   | 67-3060  | Shaft                    | 32 18 1                  |
| 67-2260  | Shaft - Idler            | 30 34 1                  | 67-3070  | Gear                     | 32 16 1                  |
| 67-2270  | Case                     | 30 15 1                  | 67-3080  | Ring - Snap              | 32 20 1                  |
| 67-2280  | Gasket                   | 30 13 1                  | 67-3090  | Gear Assembly            | 32 13 1                  |
| 67-2290  | Cover                    | 30 10 1                  | 67-3100  | Retainer                 | 31 30 6                  |
| 67-2300  | Gasket                   | 30 9 1                   | 67-3110  | Spring                   | 31 29 6                  |
| 67-2310  | Plate                    | 29 4 1                   | 67-3120  | Tappet                   | 31 6 6                   |
| 67-2320  | Gasket - Plate           | 29 5 1                   | 67-3130  | Valve - Intake           | 31 26 3                  |
| 67-2330  | Bolt                     | 27 4 2                   | 67-3140  | Valve - Exhaust          | 31 27 3                  |
| 67-2330  | Bolt                     | 30 16 6                  | 67-3150  | Rod - Push               | 31 5 6                   |
| 67-2330  | Bolt                     | 33 33 4                  | 67-3160  | Arm - Rocker             | 31 1 6                   |
| 67-2330  | Bolt                     | 33 46 2                  | 67-3170  | Spring                   | 31 37 2                  |
| 67-2340  | Bolt & Washer            | 29 3 3                   | 67-3180  | Cap                      | 31 32 6                  |
| 67-2340  | Bolt & Washer            | 30 11 2                  | 67-3190  | Rocker Shaft Assembly    | 31 35 1                  |
| 67-2340  | Bolt & Washer            | 33 17 2                  | 67-3200  | Stay - Rocker            | 31 33 3                  |
| 67-2350  | Plug                     | 30 25 1                  | 67-3210  | Screw - Adjusting        | 31 4 6                   |
| 67-2360  | Bushing                  | 30 26 2                  | 67-3220  | Pin                      | 31 34 1                  |
| 67-2370  | Bushing                  | 30 32 1                  | 67-3230  | Nut - Jam                | 31 2 6                   |
| 67-2380  | Bushing                  | 30 27 3                  | 67-3250  | Bolt - Stay, Rocker      | 31 40 2                  |
| 67-2390  | Plug                     | 30 24 1                  | 67-3260  | Washer                   | 28 3 1                   |
| 67-2400  | Bearing Set - Std.       | 32 3 1                   | 67-3260  | Washer                   | 34 8 2                   |
| 67-2410  | Bearing Set - 0.25       | 32 * 1                   | 67-3260  | Washer                   | 31 38 3                  |
| 67-2420  | Bearing Set - 0.50       | 32 * 1                   | 67-3280  | Shim - 0.2               | 30 38 1                  |
| 67-2440  | Bolt & Washer            | 30 23 9                  | 67-3290  | Shim - 0.3               | 30 * 1                   |
| 67-2460  | Bolt                     | 30 29 4                  | 67-3300  | Shim - 0.4               | 30 * 1                   |
| 67-2470  | Oil Pan Assembly         | 29 11 1                  | 67-3310  | Shim - 0.5               | 30 * 1                   |
| 67-2480  | Gasket - Pan, Oil        | 29 14 1                  | 67-3320  | Shim - 0.6               | 30 * 1                   |
| 67-2500  | Plunger                  | 29 22 1                  | 67-3330  | Shim - 0.7               | 30 * 1                   |
| 67-2510  | Spring                   | 29 23 1                  | 67-3340  | Shim - 0.8               | 30 * 1                   |
| 67-2520  | Plug                     | 29 24 1                  | 67-3350  | Shim - 0.9               | 30 * 1                   |
| 67-2530  | Gear - Inner             | 29 10 1                  | 67-3360  | Shim - 1.0               | 30 * 1                   |
| 67-2540  | Gear - Outer             | 29 9 1                   | 67-3370  | Bolt & Washer            | 30 39 4                  |
| 67-2550  | Housing - Pump, Oil      | 29 8 1                   | 67-3380  | Nozzle & Holder Assembly | 36 * 3                   |
| 67-2560  | Bolt & Washer            | 29 7 3                   | 67-3380  | Nozzle & Holder Assembly | 30 6 1                   |
| 67-2570  | Plug                     | 29 25 1                  | 67-3390  | Gasket                   | 30 7 3                   |
| 67-2570  | Plug - Taper             | 33 19 1                  | 67-3400  | Pipe Assembly No.1       | 30 42 1                  |
| 67-2580  | Gasket - Case            | 29 2 1                   | 67-3410  | Pipe Assembly No.2       | 30 43 1                  |
| 67-2590  | Seal - Oil               | 29 20 1                  | 67-3420  | Pipe Assembly No. 3      | 30 1 1                   |
| 67-2600  | Bolt                     | 27 6 1                   | 67-3430  | Nut                      | 30 2 3                   |
| 67-2600  | Bolt                     | 29 18 3                  | 67-3440  | Gasket                   | 30 4 3                   |
| 67-2610  | Bolt                     | 27 10 2                  | 67-3460  | Housing - Pump           | 35 9 1                   |
| 67-2610  | Bolt                     | 29 19 4                  | 67-3470  | Holder - Delivery Valve  | 35 3 3                   |
| 67-2620  | Bolt                     | 29 21 1                  | 67-3480  | O-Ring                   | 35 4 3                   |
| 67-2630  | O-Ring                   | 29 17 2                  | 67-3490  | Spring                   | 35 5 3                   |
| 67-2640  | Cap                      | 29 26 1                  | 67-3500  | Valve                    | 35 7 3                   |
| 67-2650  | Oil Fill Cap Assembly    | 29 28 1                  | 67-3520  | Sleeve                   | 35 10 3                  |
| 67-2660  | O-Ring                   | 29 27 1                  | 67-3530  | Seat                     | 35 11 3                  |
| 67-2670  | Hose - Breather          | 33 8 1                   | 67-3540  | Spring                   | 35 12 3                  |
| 67-2680  | Hanger - Engine          | 33 16 2                  | 67-3550  | Seat                     | 35 13 3                  |
| 67-2700  | Guide - Valve            | 33 41 6                  | 67-3560  | Plate - Shim 1.85        | 35 14 1                  |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

| Part No. | Description               | Pg. Ref.<br>No. No. Qty. | Part No. | Description                  | Pg. Ref.<br>No. No. Qty. |
|----------|---------------------------|--------------------------|----------|------------------------------|--------------------------|
| 67-3570  | Plate - Shim 1.9          | 35 * 1                   | 67-4330  | Oil Filter Assembly          | 30 40 1                  |
| 67-3580  | Plate - Shim 1.95         | 35 * 1                   | 67-4340  | Screen Assembly              | 30 31 1                  |
| 67-3590  | Plate - Shim 2.0          | 35 * 1                   | 67-4350  | Switch Assy. - Press. Oil    | 27 9 1                   |
| 67-3600  | Plate - Shim 2.05         | 35 * 1                   | 67-4370  | Pulley                       | 27 2 1                   |
| 67-3610  | Plate - Shim 2.1          | 35 * 1                   | 67-4390  | Gasket                       | 27 8 1                   |
| 67-3620  | Plate - Shim 2.15         | 35 * 1                   | 67-4400  | Bolt                         | 33 1 2                   |
| 67-3630  | Plate - Shim 2.2          | 35 * 1                   | 67-4400  | Bolt                         | 27 5 1                   |
| 67-3640  | Plate - Shim 2.25         | 35 * 1                   | 67-4410  | Belt - V                     | 27 3 1                   |
| 67-3650  | Plate - Shim 2.3          | 35 * 1                   | 67-4420  | Fitting - Outlet, Water      | 33 45 1                  |
| 67-3660  | Plate - Shim 2.35         | 35 * 1                   | 67-4430  | Gasket - Outlet, Water       | 33 44 1                  |
| 67-3670  | Plate - Shim 2.4          | 35 * 1                   | 67-4450  | Fitting - Thermostat         | 33 31 1                  |
| 67-3680  | Plate - Shim 2.45         | 35 * 1                   | 67-4460  | Gasket - Fitting, Thermostat | 33 30 1                  |
| 67-3690  | Plate - Shim 2.5          | 35 * 1                   | 67-4470  | Bolt                         | 33 32 1                  |
| 67-3700  | Tappet Assembly           | 35 15 3                  | 67-4480  | Pipe - By-Pass               | 33 36 1                  |
| 67-3710  | Screw - Bleed, Air        | 35 24 1                  | 67-4490  | Gasket                       | 33 29 1                  |
| 67-3720  | Washer                    | 35 23 1                  | 67-4500  | Switch - Thermal             | 33 28 1                  |
| 67-3730  | Screw                     | 35 22 1                  | 67-4510  | Nut - Gauge, Temp.           | 33 34 1                  |
| 67-3740  | Nipple                    | 35 21 1                  | 67-4520  | Pipe                         | 33 2 1                   |
| 67-3750  | Washer                    | 35 20 2                  | 67-4530  | Cover - Intake               | 33 5 1                   |
| 67-3760  | Plate - Lock              | 35 2 3                   | 67-4540  | O-Ring                       | 33 3 1                   |
| 67-3770  | Screw & Washer            | 35 1 3                   | 67-4550  | Gasket - Manifold, Intake    | 33 43 1                  |
| 67-3780  | Rack Assembly             | 35 19 1                  | 67-4570  | Gasket - Manifold, Exhaust   | 33 25 1                  |
| 67-3790  | Screw                     | 35 17 2                  | 67-4590  | Bolt                         | 33 23 6                  |
| 67-3800  | Bracket                   | 35 18 1                  | 67-4610  | Bolt & Washer                | 37 2 2                   |
| 67-3810  | Pin                       | 35 16 3                  | 67-4620  | Spacer                       | 28 21 1                  |
| 67-3820  | Body                      | 36 32 3                  | 67-4630  | Alternator Assembly          | 28 1 1                   |
| 67-3830  | Washer - 1.25             | 35 31 1                  | 67-4640  | Bolt                         | 28 22 1                  |
| 67-3840  | Washer - 1.3              | 35 * 1                   | 67-4650  | Brace                        | 28 23 1                  |
| 67-3850  | Washer - 1.35             | 35 * 1                   | 67-4660  | Bolt - Flange                | 28 26 1                  |
| 67-3860  | Washer - 1.4              | 35 * 1                   | 67-4670  | Nut                          | 28 2 1                   |
| 67-3870  | Washer - 1.45             | 35 * 1                   | 67-4690  | Plate - Plug, Glow           | 33 39 1                  |
| 67-3880  | Washer - 1.5              | 35 * 1                   | 67-4700  | Lamp - Glow                  | 33 26 1                  |
| 67-3890  | Washer - 1.55             | 35 * 1                   | 67-4720  | Lever Assembly               | 37 5 1                   |
| 67-3900  | Washer - 1.6              | 35 * 1                   | 67-4730  | Spring Set                   | 37 6 1                   |
| 67-3910  | Washer - 1.65             | 35 * 1                   | 67-4750  | Switch Assembly              | 37 8 1                   |
| 67-3920  | Washer - 1.7              | 35 * 1                   | 67-4760  | Shaft Assembly               | 37 16 1                  |
| 67-3930  | Spring                    | 35 30 3                  | 67-4770  | Pinion Set                   | 37 15 1                  |
| 67-3940  | Pin                       | 35 29 3                  | 67-4780  | Gear Set                     | 37 13 1                  |
| 67-3950  | Piece                     | 35 28 3                  | 67-4790  | Shaft Assembly               | 37 12 1                  |
| 67-3960  | Nozzle Assembly           | 35 27 3                  | 67-4800  | Yoke Assembly                | 37 21 1                  |
| 67-3970  | Nut                       | 35 25 3                  | 67-4810  | Pulley Set                   | 28 16 1                  |
| 67-3980  | Gasket                    | 35 26 3                  | 67-4820  | Bolt Set                     | 28 20 1                  |
| 67-3990  | Speed Control Lever Assy. | 34 1 1                   | 67-4830  | Front Bracket Assembly       | 28 15 1                  |
| 67-4000  | Pin                       | 34 2 2                   | 67-4840  | Screw - Set                  | 28 18 1                  |
| 67-4010  | Stopper                   | 34 13 1                  | 67-4850  | Bearing - Front              | 28 19 1                  |
| 67-4020  | Lever - Spring, Governor  | 34 7 1                   | 67-4860  | Rotor Assembly               | 28 7 1                   |
| 67-4030  | Rod - Tie                 | 34 21 1                  | 67-4870  | Bearing - Rear               | 28 6 1                   |
| 67-4040  | Weight Assembly           | 34 12 1                  | 67-4880  | Stator Assembly              | 28 10 1                  |
| 67-4050  | Shaft                     | 34 17 1                  | 67-4890  | Rear Bracket Assembly        | 28 9 1                   |
| 67-4060  | Governor Lever Assembly   | 34 16 1                  | 67-4900  | Terminal Set                 | 28 11 1                  |
| 67-4070  | Sliding Shaft Assembly    | 34 14 1                  | 67-4910  | Regulator Assembly           | 28 12 1                  |
| 67-4080  | Clip                      | 34 22 1                  | 67-4920  | Brush                        | 28 13 2                  |
| 67-4090  | Tension Lever Assembly    | 34 19 1                  | 67-4930  | Rectifier Assembly           | 28 8 1                   |
| 67-4110  | Cover Assembly            | 34 * 1                   | 67-5040  | Spring                       | 34 18 1                  |
| 67-4120  | Pin                       | 34 33 1                  | 67-5050  | Thermostat                   | 33 37 1                  |
| 67-4130  | Cover - Governor          | 34 4 1                   | 67-5100  | Bushing                      | 25 27 1                  |
| 67-4140  | Lever - Stop Assembly     | 34 10 1                  | 67-5110  | Bolt                         | 25 26 1                  |
| 67-4150  | Lever - Stop              | 34 36 1                  | 67-5120  | Washer - Spring              | 25 28 1                  |
| 67-4160  | Gasket                    | 34 5 1                   | 67-5130  | Washer - Flat                | 25 29 1                  |
| 67-4170  | Spring Set                | 34 * 1                   | 67-5140  | Washer - Serrated            | 25 30 1                  |
| 67-4180  | Nut                       | 34 29 1                  | 67-5150  | Nut                          | 25 31 1                  |
| 67-4190  | Spring - Torque           | 34 26 1                  | 67-7490  | Key                          | 25 15 1                  |
| 67-4200  | Nut - Special             | 34 28 1                  | 68-4680  | Shield - Valve Cover, RH     | 11 42 1                  |
| 67-4210  | Case - Torque Spring      | 34 24 1                  | 68-4690  | Shield - Valve Cover, LH     | 11 31 1                  |
| 67-4220  | Screw - Adjusting         | 34 27 1                  | 68-4700  | Arm - Steering               | 12 63 1                  |
| 67-4230  | Stopper                   | 34 25 1                  | 68-4770  | Cylinder - Steering, Hyd.    | 40 31 1                  |
| 67-4240  | Cap                       | 34 30 2                  | 68-4770  | Hydraulic Steering Cylinder  | 41 * 1                   |
| 67-4250  | Cover                     | 31 24 1                  | 68-4780  | Head - Cylinder              | 41 10 1                  |
| 67-4260  | Spring                    | 34 23 1                  | 68-4790  | Piston - Cylinder            | 41 7 1                   |
| 67-4270  | Bolt                      | 34 3 4                   | 68-4800  | Shaft - Cylinder             | 41 9 1                   |
| 67-4280  | Bolt & Washer             | 34 15 1                  | 68-4810  | Ring - Retaining             | 41 11 1                  |
| 67-4290  | Nut                       | 34 32 2                  | 68-4820  | Barrel                       | 41 3 1                   |
| 67-4310  | Gasket                    | 31 23 1                  | 68-4840  | Hose                         | 24 38 1                  |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3317-751

| Part No. | Description                   | Pg. Ref.<br>No. No. Qty. | Part No. | Description                | Pg. Ref.<br>No. No. Qty. |
|----------|-------------------------------|--------------------------|----------|----------------------------|--------------------------|
| 68-4850  | Hose - Upper                  | 24 1 1                   | 70-7150  | Hose - Hyd. Lower, LH      | 42 25 1                  |
| 68-4860  | Hood - Radiator               | 24 19 1                  | 70-8130  | Barrel                     | 10 1 1                   |
| 68-4920  | Hub - P.T.O.                  | 25 45 1                  | 70-8140  | Body & Bearing Assembly    | 7 9 1                    |
| 68-4930  | Mount - Pump                  | 25 7 1                   | 70-8150  | Plate - Valve              | 7 7 1                    |
| 68-4940  | Pump - Gear                   | 25 2 1                   | 70-8160  | Screw - Cap, Hex. Hd.      | 7 1 8                    |
| 68-4950  | Engine Assembly               | 25 20 1                  | 70-8170  | Ring - Snap                | 7 21 1                   |
| 68-4960  | Plate - Flywheel              | 25 8 1                   | 70-8180  | IGR Assembly               | 7 5 1                    |
| 68-4990  | Bracket - Engine, RH          | 25 40 1                  | 70-8190  | Shaft                      | 7 10 1                   |
| 68-5090  | Support - Cable, Throttle     | 25 44 1                  | 70-8200  | Socket - Light             | 14 32 4                  |
| 68-5100  | Rod - Seat                    | 11 27 1                  | 70-8220  | Cable - Ground             | 25 39 1                  |
| 68-5120  | Cover - Valve, Steering       | 11 8 1                   | 70-8250  | Drive                      | 13 16 1                  |
| 68-5130  | Wheel - Steering              | 12 67 1                  | 70-8330  | Fork - Caster              | 40 15 1                  |
| 68-5140  | Cap - Steering Wheel          | 11 2 1                   | 70-8370  | Bolt - Wheel, Castor       | 40 16 1                  |
| 68-5150  | Joint - Ball                  | 41 13 1                  | 70-8400  | Fender - Rear              | 40 28 1                  |
| 68-5170  | Column - Steering             | 11 5 1                   | 70-8445  | Sleeve - Protective        | 12 59 1                  |
| 68-5180  | Shroud - Radiator             | 24 40 1                  | 70-8445  | Sleeve - Protective        | 26 60 1                  |
| 68-5210  | Breaker - Circuit, 15A        | 14 14 1                  | 70-8446  | Sleeve - Protective        | 12 62 1                  |
| 68-5230  | Radiator                      | 24 9 1                   | 70-8450  | Sleeve - Protective        | 26 59 3                  |
| 68-5240  | Strip - Foam                  | 24 10 2                  | 70-8470  | Screw                      | 25 17 1                  |
| 68-5241  | Strip - Foam                  | 24 11 2                  | 70-8490  | Spacer                     | 40 22 2                  |
| 68-5260  | Orifice - Manifold Drain      | 15 2 1                   | 70-8500  | Tire                       | 40 25 1                  |
| 68-5290  | Washer - Arm, Steering        | 11 49 1                  | 70-8510  | Tubing - Convuluted        | 23 63 1                  |
| 68-5300  | Lever - Arm, Lock             | 11 12 1                  | 70-8530  | Wire - Pump, Fuel          | 23 65 1                  |
| 68-5310  | Clip - Seat                   | 11 36 1                  | 70-8530  | Wire Assembly              | 30 44 1                  |
| 68-5370  | Decal - Steering Wheel        | 11 1 1                   | 70-8550  | Spark Arrester (Optional)  | 26 * 1                   |
| 68-5380  | Center Lift Arm Assembly      | 8 32 1                   | 70-8570  | Breaker - Circuit          | 44 4 1                   |
| 68-5420  | Hub - Locking                 | 11 46 1                  | 70-8600  | Hose - Hyd. Upper, RH      | 5 18 1                   |
| 68-5430  | Plate - Wear                  | 11 47 2                  | 70-8600  | Hose - Hyd. Upper, RH      | 42 10 1                  |
| 68-5440  | Spacer - Arm, Pivot RH        | 11 43 1                  | 70-8610  | Hose - Hyd. Upper, LH      | 5 * 1                    |
| 68-5450  | Spacer - Arm, Pivot LH        | 11 10 1                  | 70-8610  | Hose - Hyd. Upper, LH      | 42 26 1                  |
| 68-5470  | Hose                          | 24 35 1                  | 70-8650  | Block - Sub-Assembly       | 32 1 1                   |
| 68-5480  | Plate - Arm, Steering         | 11 7 1                   | 70-8660  | Cylinder Head Assembly     | 33 27 1                  |
| 68-5510  | Base - Tank, Fuel             | 22 15 1                  | 70-8670  | Gasket - Head, Cylinder    | 33 24 1                  |
| 68-5560  | Pin - Cylinder                | 8 27 1                   | 70-8680  | Pulley - Crankshaft        | 31 19 1                  |
| 68-5640  | Bracket - Tank, Reserve       | 24 32 1                  | 70-8690  | Pump Assembly              | 36 * 1                   |
| 68-5650  | Support - Radiator, Front     | 24 36 1                  | 70-8690  | Pump Assembly              | 30 41 1                  |
| 68-5660  | Support - Radiator, Rear      | 24 12 1                  | 70-8700  | Pipe - Return, Fuel        | 30 3 1                   |
| 68-5670  | Grille                        | 24 24 1                  | 70-8710  | Element                    | 35 8 3                   |
| 68-5680  | Plate - Electrical            | 23 57 1                  | 70-8720  | Spring - Tie Rod           | 34 20 1                  |
| 68-5710  | Hose - Pump                   | 26 64 1                  | 70-8730  | Fan                        | 27 1 1                   |
| 68-5710  | Hose - Pump                   | 42 21 1                  | 70-8740  | Pump Assembly              | 27 7 1                   |
| 68-5740  | Hose Assembly                 | 12 60 1                  | 70-8750  | Manifold - Exhaust         | 33 20 1                  |
| 68-5750  | Hose - Steering, Cyl. Base    | 40 3 1                   | 70-8760  | Starter Assembly           | 37 1 1                   |
| 68-5750  | Hose - Steering, Cyl. Base    | 42 18 1                  | 70-8770  | Front Basket Assembly      | 37 4 1                   |
| 68-5760  | Hose - Steering, Cyl. Rod     | 40 5 1                   | 70-8780  | Center Bracket Assembly    | 37 7 1                   |
| 68-5760  | Hose - Steering, Cyl. Rod     | 12 61 1                  | 70-8790  | GASKET Kit                 | 29 * 1                   |
| 68-5760  | Hose - Steering, Cyl. Rod     | 42 17 1                  | 70-8800  | Piston Ring Set - Std.     | 31 11 1                  |
| 68-5770  | Hose - Pump                   | 26 63 1                  | 70-8810  | Piston Ring Set - 0.25 U.  | 31 * 1                   |
| 68-5770  | Hose - Pump                   | 42 20 1                  | 70-8820  | Piston Ring Set - 0.50 U.  | 31 * 1                   |
| 68-5810  | Hose - Pump                   | 26 56 1                  | 70-8830  | Piston & Pin Set - Std.    | 31 10 1                  |
| 68-5810  | Hose - Pump                   | 42 19 1                  | 70-8840  | Piston & Pin Set - 0.25 U. | 31 * 1                   |
| 68-5830  | Hose - Cylinder, Drop Rear    | 42 31 1                  | 70-8850  | Piston & Pin Set - 0.50 U. | 31 * 1                   |
| 68-5840  | Hose - Pump, Steering         | 26 62 1                  | 70-8860  | Connecting Rod Assembly    | 31 9 3                   |
| 68-5840  | Hose - Pump, Steering         | 12 55 1                  | 70-8880  | Dipstick                   | 30 5 1                   |
| 68-5840  | Hose - Pump, Steering         | 42 14 1                  | 70-8890  | Housing - Flywheel         | 30 22 1                  |
| 68-5850  | Hose - Pump                   | 26 61 1                  | 70-9800  | Motor - Reel               | 16 50 3                  |
| 68-5850  | Hose - Pump                   | 42 13 1                  | 70-9840  | Shoe & Lining Assembly     | 5 7 4                    |
| 68-5860  | Hose - Pump, Inlet LH         | 15 44 1                  | 70-9850  | Clip                       | 6 51 2                   |
| 68-5860  | Hose - Pump, Inlet LH         | 42 16 1                  | 70-9860  | Cam - Brake                | 6 53 2                   |
| 68-5870  | Hose - Pump, Inlet RH         | 15 45 1                  | 70-9870  | Plate - Support, Brake     | 6 52 2                   |
| 68-5870  | Hose - Pump, Inlet RH         | 42 15 1                  | 70-9880  | Spring - Extension         | 6 54 4                   |
| 68-5880  | Return Line - Manifold/Filter | 16 55 1                  | 71-0990  | Orifice - One Way          | 16 77 1                  |
| 68-5880  | Return Line - Manifold/Filter | 42 33 1                  | 71-1510  | Arm - Brake                | 1 33 1                   |
| 68-5890  | Hose - Return, Filter         | 15 25 1                  | 71-1510  | Lever - Brake              | 5 27 1                   |
| 68-5890  | Hose - Return, Filter         | 42 22 1                  | 71-1520  | Cap - Tank, Reserve        | 24 43 1                  |
| 68-5900  | Hose - Cleaner, Air           | 38 6 1                   | 72-3850  | Seal - Ring                | 16 49 1                  |
| 68-9931  | Control Throttle              | 14 18 1                  | 72-4320  | Switch - Neutral           | 22 40 1                  |
| 69-4780  | Clamp Hose                    | 14 30 1                  | 72-4380  | Seal Kit                   | 17 * 1                   |
| 69-9760  | Plate - Cover                 | 1 3 1                    | 72-4390  | Repair Kit                 | 17 *                     |
| 70-2770  | Head                          | 10 8                     | 72-6140  | Shield - Heat, Alternator  | 33 47 1                  |
| 70-2780  | Piston                        | 10 4 1                   | 72-9870  | Cable                      | 24 17 1                  |
| 70-7130  | Tube - Traction, LH Upper     | 42 29 1                  | 74-3570  | Element - Filter           | 16 48 1                  |
| 70-7150  | Hose - Hyd. Lower, LH         | 5 * 1                    | 74-3730  | Spacer - Cylinder          | 1 24 2                   |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

| Part No. | Description                | Pg. Ref.<br>No. No. Qty. | Part No. | Description                | Pg. Ref.<br>No. No. Qty. |
|----------|----------------------------|--------------------------|----------|----------------------------|--------------------------|
| 74-3830  | Hose - Assembly            | 16 72 1                  | 92-2545  | Seals - Spool              | 19 * 1                   |
| 74-3830  | Hose - Assembly            | 42 8 1                   | 92-2545  | Seals - Spool              | 21 * 1                   |
| 75-4920  | Crankcase Sub-Assembly     | 29 1 1                   | 92-2546  | Wiper - Seal               | 18 25 4                  |
| 75-9380  | Decal - Caution            | 12 64 1                  | 92-2546  | Wiper - Seal               | 21 64 5                  |
| 75-9440  | Hub Assembly               | 40 24 1                  | 92-2547  | Plate - Seal Retainer      | 20 18 6                  |
| 75-9610  | Spacer                     | 24 47 1                  | 92-2547  | Plate - Seal Retainer      | 18 24 4                  |
| 75-9630  | Brace                      | 24 48 1                  | 92-2548  | Seals - Spool Single       | 19 * 1                   |
| 76-1720  | Gasket                     | 16 79 1                  | 92-2548  | Seals - Spool Single       | 21 * 1                   |
| 76-1850  | Clevis                     | 4 14 1                   | 92-2549  | Seals - Spool              | 21 * 1                   |
| 76-1860  | Shaft                      | 4 7 1                    | 92-3057  | Capacitor Assembly         | 44 5 1                   |
| 76-2660  | Tube - Spacer              | 12 70 1                  | 92-3058  | Spring - Centering         | 18 41 1                  |
| 76-4380  | Tank - Fuel, Diesel        | 22 4 1                   | 92-3148  | Spring                     | 20 23 1                  |
| 76-4420  | Hose - Fuel                | 23 67 1                  | 92-6533  | Kit - Cushion              | 11 24 1                  |
| 76-4430  | Fitting - Fuel             | 23 68 1                  | 92-6534  | Shell - Seat               | 11 14 1                  |
| 76-8750  | Plate - Warning            | 24 4 1                   | 92-7164  | Muffler - Exhaust          | 25 25 1                  |
| 80-3330  | Gasket                     | 38 17 1                  | 92-7168  | Bracket - Engine, LH       | 25 73 1                  |
| 83-0060  | Pivot - Lift               | 2 62 1                   | 92-9176  | Frame - Pull, LH           | 2 79 1                   |
| 83-0080  | Spring - Torsion           | 2 64 1                   | 92-7177  | Frame - Pull, RH           | 5 38 1                   |
| 83-0140  | Pedal - Foot               | 3 91 1                   | 92-8690  | Steering Valve Assembly    | 11 51 1                  |
| 83-0160  | Brake Shaft                | 1 8 1                    | 92-8691  | Bushing - Seal Gland       | 13 3 1                   |
| 83-0540  | Pedal - Traction           | 8 4 1                    | 92-8694  | Cap - End                  | 13 18 1                  |
| 83-1200  | Tube - Hydraulic           | 42 24 1                  | 92-8695  | Seal Kit                   | 13 * 1                   |
| 83-1700  | Bushing - Flange           | 9 78 3                   | 92-8696  | Screw - Torx Hd.           | 13 19 7                  |
| 83-1860  | Centering Spring Kit       | 13 12 1                  | 92-8697  | Plate - Wear               | 13 15 1                  |
| 83-1870  | Gerotor                    | 13 17 1                  | 92-8851  | Cylinder Repair Kit        | 41 * 1                   |
| 83-1880  | Control Parts Assembly     | 13 * 1                   | 92-8915  | Spring                     | 26 74 2                  |
| 83-1890  | Switch - Ball              | 19 54 1                  | 93-1386  | Section #5 Assembly        | 21 * 1                   |
| 83-1890  | Switch - Ball              | 21 60 1                  | 93-7629  | Foot Pad - Brake           | 1 4 1                    |
| 83-2460  | Hose - Hyd. Lower, RH      | 5 19 1                   | 93-7630  | Foot Pad - Mow             | 1 6 1                    |
| 83-2460  | Hose - Hyd. Lower, RH      | 42 12 1                  | 93-7631  | Foot Pad - Lift            | 1 9 1                    |
| 83-2590  | Bolt - Shoulder            | 3 98 1                   | 93-3651  | Retainer - Boot            | 18 22 2                  |
| 83-6730  | Decal - Coolant, Engine    | 24 7 1                   | 93-3651  | Retainer - Boot            | 20 47 3                  |
| 83-7230  | Cylinder - Lift, Rear      | 8 45 1                   | 93-3652  | Boot - Spool Assembly      | 19 * 2                   |
| 84-2000  | Bracket - Brake            | 5 11 4                   | 93-3652  | Boot - Spool Assembly      | 21 * 3                   |
| 84-2203  | Control Valve Assembly     | 21 * 1                   | 93-8075  | Decal - Mow/Lift           | 1 10 1                   |
| 84-2203  | Control Valve Assembly     | 16 57 1                  | 93-9346  | Clamp - Hose, Pressure     | 16 69 6                  |
| 84-2203  | Control Valve Assembly     | 42 32 1                  | 93-9346  | Clamp - Hose, Pressure     | 42 38 6                  |
| 84-8260  | Hose - Cylinder, Lift Rear | 42 30 1                  | 93-9347  | Clamp - Hose, Return       | 16 61 6                  |
| 84-8290  | Hydraulic Cylinder Assy.   | 1 21 2                   | 93-9347  | Clamp - Hose, Return       | 42 39 6                  |
| 85-6540  | Stud - Drive Type          | 5 6 8                    | 93-9934  | Handle - Traction          | 8 21 1                   |
| 85-6560  | Pin - Pivot, Hood          | 24 23 1                  | 93-9936  | Bracket - Return, Traction | 6 59 1                   |
| 86-5360  | Seal Repair Kit            | 10 * 1                   | 93-9937  | Asm. - Cable, Traction     | 1 62 1                   |
| 86-5390  | Seal Repair Kit            | 4 * 1                    | 93-9937  | Asm. - Cable, Traction     | 9 79 1                   |
| 86-7470  | Diode - Inline             | 44 3 2                   | 94-2691  | Screw - HWH                | 12 69 1                  |
| 86-9820  | Frame - Pull, Rear         | 9 61 1                   | 217-60   | Rim                        | 5 3 2                    |
| 88-6900  | Plate - Footrest           | 9 73 1                   | 218-446  | Nut                        | 14 5 1                   |
| 88-9500  | Needle Valve Assembly      | 16 * 1                   | 218-447  | Washer - Lock              | 14 6 1                   |
| 88-9630  | Bracket - Lift, Pivot RH   | 3 93 1                   | 218-461  | Nut - Jam                  | 22 47 2                  |
| 88-9640  | Lift Pivot Bracket - LH    | 1 13 1                   | 218-515  | Bracket - Mounting         | 14 25 1                  |
| 88-9660  | Shaft - Cutting Control    | 1 11 1                   | 219-17   | Bulb - Light               | 14 * 4                   |
| 88-9700  | Hose - Hydraulic           | 1 20 1                   | 231-124  | Tire - Treaded (Optional)  | 5 * 2                    |
| 88-9700  | Hose - Hydraulic           | 8 48 1                   | 232-24   | Stem - Valve               | 40 26 1                  |
| 88-9720  | Decal - GR 3000D           | 2 85 1                   | 232-24   | Valve Stem & Cap           | 6 56 2                   |
| 92-0585  | Pull Arm Assembly - RH     | 2 76 3                   | 232-37   | Tube - Inner (Optional)    | 5 * 2                    |
| 92-0586  | Pull Arm Assembly - LH     | 2 70 3                   | 233-48   | Knob                       | 8 20 1                   |
| 92-0587  | Fitting - Hydraulic Valve  | 16 54 1                  | 233-50   | Knob - Throttle            | 14 7 1                   |
| 92-0588  | Bushing - Needle           | 16 80 1                  | 237-7    | O-Ring                     | 22 46 1                  |
| 92-0845  | Crankshaft                 | 31 16 1                  | 237-21   | O-Ring                     | 15 11 7                  |
| 92-0846  | Cover Assembly             | 33 6 1                   | 237-21   | O-Ring                     | 1 18 1                   |
| 92-0847  | Oil Filler Cap Assembly    | 33 11 1                  | 237-22   | O-Ring                     | 15 9 3                   |
| 92-1180  | Seat Assembly              | 12 * 1                   | 237-22   | O-Ring                     | 26 68 3                  |
| 92-1190  | Cable - Battery, Negative  | 22 3 1                   | 237-30   | O-Ring                     | 15 6 7                   |
| 92-1190  | Cable - Battery, Negative  | 44 2 1                   | 237-30   | O-Ring                     | 22 41 1                  |
| 92-1191  | Cable - Battery, Positive  | 22 1 1                   | 237-30   | O-Ring                     | 26 55 1                  |
| 92-1191  | Cable - Battery, Positive  | 44 1 1                   | 237-35   | O-Ring                     | 40 4 2                   |
| 92-1193  | Frame                      | 8 26 1                   | 237-35   | O-Ring                     | 8 47 2                   |
| 92-1194  | Plate - Traction Pivot     | 9 66 1                   | 237-35   | O-Ring                     | 12 54 4                  |
| 92-1196  | Decal - Service            | 12 68 1                  | 237-35   | O-Ring                     | 26 65 1                  |
| 92-2360  | Wire Harness Assembly      | 44 * 1                   | 237-42   | O-Ring                     | 15 3 9                   |
| 92-2529  | Decal - Panel, Instrument  | 14 10 1                  | 237-42   | O-Ring                     | 12 52 4                  |
| 92-2538  | Timer - Glow Plug          | 14 11 1                  | 237-42   | O-Ring                     | 26 66 4                  |
| 92-2539  | Plug - Glow                | 33 38 3                  | 237-54   | O-Ring                     | 20 3 6                   |
| 92-2544  | Panel - Instrument         | 14 9 1                   | 237-54   | O-Ring                     | 18 6 8                   |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3317-751

| Part No. | Description            | Pg. Ref.<br>No. No. Qty. | Part No. | Description               | Pg. Ref.<br>No. No. Qty. |
|----------|------------------------|--------------------------|----------|---------------------------|--------------------------|
| 237-58   | O-Ring                 | 16 73 1                  | 322-1    | Screw - Cap, Hex. Hd.     | 8 39 2                   |
| 237-65   | O-Ring                 | 5 17 4                   | 322-2    | Screw - Cap, Hex. Hd.     | 38 14 4                  |
| 237-65   | O-Ring                 | 16 76 4                  | 322-2    | Screw - Cap, Hex. Hd.     | 11 22 2                  |
| 237-78   | O-Ring                 | 40 7 2                   | 322-2    | Screw - Cap, Hex. Hd.     | 15 23 2                  |
| 237-78   | O-Ring                 | 1 16 4                   | 322-3    | Screw - Cap, Hex. Hd.     | 40 9 2                   |
| 237-78   | O-Ring                 | 8 46 2                   | 322-3    | Screw - Cap, Hex. Hd.     | 8 28 1                   |
| 237-79   | O-Ring                 | 15 8 8                   | 322-3    | Screw - Cap, Hex. Hd.     | 24 37 7                  |
| 237-80   | O-Ring                 | 15 4 3                   | 322-4    | Screw - Cap, Hex. Hd.     | 15 22 2                  |
| 237-80   | O-Ring                 | 5 16 4                   | 322-4    | Screw - Cap, Hex. Hd.     | 25 33 7                  |
| 237-80   | O-Ring                 | 26 53 1                  | 322-5    | Screw - Cap, Hex. Hd.     | 8 19 1                   |
| 237-81   | O-Ring                 | 15 1 1                   | 322-5    | Screw - Cap, Hex. Hd.     | 25 41 1                  |
| 237-101  | O-Ring                 | 15 24 2                  | 322-6    | Screw - Cap, Hex. Hd.     | 25 10 4                  |
| 237-124  | Grommet                | 22 34 1                  | 322-6    | Screw - Cap, Hex. Hd.     | 24 16 1                  |
| 237-136  | Grommet                | 22 12 4                  | 322-9    | Screw - Cap, Hex. Hd.     | 24 49 1                  |
| 242-50   | Nut - Lock             | 40 27 4                  | 322-14   | Screw - Cap, Hex. Hd.     | 16 63 3                  |
| 242-50   | Nut - Wheel            | 5 1 8                    | 323-6    | Screw - Cap, Hex. Hd.     | 22 13 4                  |
| 242-86   | Rim                    | 40 17 1                  | 323-7    | Screw - Cap, Hex. Hd.     | 26 75 2                  |
| 2410-18  | Plug                   | 45 2 1                   | 323-8    | Screw - Cap, Hex. Hd.     | 25 4 2                   |
| 2410-66  | Cap - Vinyl            | 15 41 1                  | 323-9    | Screw - Cap, Hex. Hd.     | 23 61 2                  |
| 2411-32  | Joint - Ball           | 8 1 2                    | 323-10   | Screw - Cap, Hex. Hd.     | 1 14 4                   |
| 2412-3   | Clamp                  | 24 2 4                   | 323-11   | Screw - Cap, Hex. Hd.     | 25 32 4                  |
| 2412-3   | Clamp - Hose           | 15 26 8                  | 323-12   | Screw - Cap, Hex. Hd.     | 24 18 2                  |
| 2412-3   | Clamp - Hose           | 42 9 12                  | 323-13   | Screw - Cap, Hex. Hd.     | 24 33 2                  |
| 2412-31  | Clip - Cable           | 25 46 1                  | 323-20   | Screw - Cap, Hex. Hd.     | 12 66 4                  |
| 2412-36  | Clamp - Hose           | 22 8 2                   | 324-7    | Screw - Cap, Hex. Hd.     | 25 9 4                   |
| 2412-39  | Clamp                  | 26 69 1                  | 325-7    | Screw - Cap, Hex. Hd.     | 11 44 1                  |
| 2412-41  | Clamp                  | 24 41 1                  | 325-8    | Screw - Cap, Hex. Hd.     | 11 11 1                  |
| 2412-41  | Clamp - R              | 9 70 2                   | 325-11   | Screw - Cap, Hex. Hd.     | 5 10 8                   |
| 2412-42  | Clamp - Hose           | 38 5 2                   | 3211-1   | Screw - Cap, Hex. Hd.     | 9 53 2                   |
| 2412-74  | Clamp-R                | 22 36 1                  | 3216-16  | Screw - Cap, Hex. Hd.     | 11 50 1                  |
| 2412-89  | Clamp-R                | 22 22 1                  | 3217-6   | Nut - Full                | 6 61 1                   |
| 2412-102 | Clamp-R                | 11 18 2                  | 3217-6   | Nut - Hex.                | 24 15 1                  |
| 2412-108 | Clamp - Gear, Worm     | 24 5 2                   | 3217-6   | Nut - Lock                | 39 1 4                   |
| 2412-108 | Clamp - Hose           | 22 17 8                  | 3217-7   | Nut - Hex                 | 18 33 3                  |
| 251-141  | Bearing - Ball         | 2 74 6                   | 3217-26  | Nut                       | 14 27 1                  |
| 253-111  | Seal - Bearing         | 40 21 2                  | 3218-1   | Nut - Jam                 | 24 21 1                  |
| 254-61   | Cup - Bearing          | 40 10 2                  | 3218-5   | Nut - Jam                 | 41 12 1                  |
| 254-70   | Cone - Bearing         | 40 11 2                  | 3219-2   | Nut - Full                | 6 58 1                   |
| 254-78   | Cone - Bearing         | 40 20 2                  | 3219-2   | Nut - Hex.                | 46 6 1                   |
| 254-79   | Cup - Bearing          | 40 19 2                  | 3219-5   | Nut - Jam                 | 41 2 1                   |
| 256-2    | Bushing - Sleeve       | 9 56 2                   | 3219-18  | Nut - Hex.                | 45 2 1                   |
| 256-155  | Bushing                | 11 39 2                  | 3220-2   | Nut - Jam                 | 8 2 2                    |
| 256-219  | Bushing - Flange       | 9 62 2                   | 3220-2   | Nut - Jam                 | 5 22 1                   |
| 256-251  | Bushing                | 8 22 2                   | 3220-2   | Nut - Jam                 | 2 53 4                   |
| 281-1    | Plug - Oil             | 15 43 1                  | 3220-3   | Nut - Jam                 | 40 33 4                  |
| 282-2    | Yoke                   | 5 46 2                   | 3220-3   | Nut - Jam                 | 2 69 6                   |
| 282-2    | Yoke                   | 2 51 4                   | 3220-6   | Nut - Jam                 | 4 15 1                   |
| 283-1    | Pin - Clevis           | 5 45 2                   | 3229-22  | Bolt - Carriage           | 3 90 2                   |
| 283-1    | Pin - Clevis           | 2 52 4                   | 3234-1   | Screw - Hex. Flange Hd.   | 8 9 4                    |
| 283-8    | Pin - Clevis           | 1 31 2                   | 3234-1   | Screw - Hex. Flange Hd.   | 3 95 4                   |
| 283-57   | Pin - Clevis           | 8 14 1                   | 3234-13  | Screw - Hex. Flange Hd.   | 5 20 4                   |
| 283-62   | Pin - Clevis           | 9 80 1                   | 3241-2   | Screw - Set, Sq. Hd.      | 25 13 2                  |
| 302-2    | Fitting - Grease       | 4 1 2                    | 3241-6   | Screw - Set, Sq. Hd.      | 26 51 2                  |
| 302-2    | Fitting - Grease       | 8 44 1                   | 3242-1   | Screw - Cap, Hex. Hd.     | 11 45 1                  |
| 302-5    | Fitting - Grease       | 40 18 1                  | 3250-28  | Screw - Cap, Round Hd.    | 14 16 2                  |
| 302-5    | Fitting - Grease       | 8 25 1                   | 3250-36  | Screw - Pan Head          | 22 27 4                  |
| 302-5    | Fitting - Grease       | 2 63 13                  | 3253-3   | Washer - Lock             | 2 86 1                   |
| 302-11   | Fitting - Grease       | 9 58 1                   | 3253-3   | Washer - Lock             | 21 57 4                  |
| 302-60   | Fitting - Grease       | 1 22 4                   | 3253-4   | Washer - Lock             | 40 8 2                   |
| 302-60   | Fitting - Grease       | 5 35 1                   | 3253-4   | Washer - Lock             | 24 14 8                  |
| 302-60   | Fitting - Grease       | 8 36 1                   | 3253-4   | Washer - Lock             | 11 21 2                  |
| 304-46   | Cock - Drain, Radiator | 24 39 1                  | 3253-12  | Washer - Lock             | 14 23 5                  |
| 304-61   | Clamp                  | 16 60 1                  | 3253-15  | Washer - Lock             | 14 15 2                  |
| 321-3    | Screw - Cap, Hex. Hd.  | 11 37 1                  | 3253-21  | Washer - Lock             | 23 66 2                  |
| 321-3    | Screw - Cap, Hex. Hd.  | 16 46 2                  | 3253-21  | Washer - Lock             | 2 77 8                   |
| 321-3    | Screw - Cap, Hex. Hd.  | 9 69 1                   | 3253-29  | Washer - Lock             | 25 5 2                   |
| 321-4    | Screw - Cap, Hex. Hd.  | 22 6 4                   | 3254-1   | Washer - Lock, Int. Tooth | 14 26 1                  |
| 321-5    | Screw - Cap, Hex. Hd.  | 5 8 8                    | 3254-2   | Washer - Lock, Int. Tooth | 25 35 1                  |
| 321-6    | Screw - Cap, Hex. Hd.  | 24 20 1                  | 3254-6   | Washer - Lock             | 9 54 2                   |
| 321-8    | Screw - Cap, Hex. Hd.  | 14 8 1                   | 3254-6   | Washer - Lock             | 23 69 2                  |
| 321-23   | Screw - Cap, Hex. Hd.  | 3 92 1                   | 3254-6   | Washer - Lock, Int. Tooth | 26 52 1                  |
| 322-1    | Screw - Cap, Hex. Hd.  | 1 29 5                   | 3255-8   | Washer - Lock, Int. Tooth | 46 9 1                   |
| 322-1    | Screw - Cap, Hex. Hd.  | 5 39 1                   | 3255-16  | Washer - Lock, Int. Tooth | 25 18 1                  |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

| Part No. | Description             | Pg. Ref.<br>No. No. Qty. | Part No.  | Description                | Pg. Ref.<br>No. No. Qty. |
|----------|-------------------------|--------------------------|-----------|----------------------------|--------------------------|
| 3256-1   | Washer - Flat           | 9 71 2                   | 3296-29   | Nut - Lock                 | 24 45 1                  |
| 3256-3   | Washer - Flat           | 22 14 4                  | 3296-29   | Nut - Lock                 | 9 49 2                   |
| 3256-3   | Washer - Flat           | 24 30 6                  | 3296-39   | Nut - Lock                 | 22 25 2                  |
| 3256-3   | Washer - Flat           | 9 52 2                   | 3296-39   | Nut - Lock                 | 25 34 2                  |
| 3256-14  | Washer - Flat           | 14 2 4                   | 3296-48   | Nut - Lock                 | 25 6 4                   |
| 3256-22  | Washer - Flat           | 22 24 3                  | 3296-59   | Nut - Lock                 | 24 31 4                  |
| 3256-22  | Washer - Flat           | 15 39 2                  | 3296-59   | Nut - Lock                 | 25 36 4                  |
| 3256-22  | Washer - Flat           | 9 77 1                   | 3296-59   | Nut - Lock                 | 9 50 4                   |
| 3256-23  | Washer - Flat           | 25 11 4                  | 3296-59   | Nut - Lock                 | 2 58 8                   |
| 3256-23  | Washer - Plain          | 1 28 5                   | 3296-67   | Nut - Lock                 | 40 29 1                  |
| 3256-23  | Washer - Plain          | 5 40 1                   | 32104-76  | Screw - Acorn Washer Hd.   | 14 17 6                  |
| 3256-23  | Washer - Plain          | 8 38 2                   | 32104-76  | Screw - Self Tapping       | 11 32 5                  |
| 3256-23  | Washer - Flat           | 24 13 7                  | 32105-1   | Screw - Cap, Hex. Hd.      | 14 29 1                  |
| 3256-23  | Washer - Flat           | 11 20 6                  | 32105-8   | Screw - Machine            | 23 59 4                  |
| 3256-23  | Washer - Flat           | 15 21 2                  | 32105-8   | Screw - Round Head         | 14 19 2                  |
| 3256-23  | Washer - Flat           | 9 59 1                   | 32107-11  | Nut                        | 38 7 2                   |
| 3256-24  | Washer                  | 26 67 9                  | 32108-100 | Screw - Flat Head          | 5 12 3                   |
| 3256-24  | Washer - Flat           | 22 28 6                  | 32120-8   | Ring - Retaining, Internal | 4 11 1                   |
| 3256-24  | Washer - Flat           | 40 32 1                  | 32121-6   | Pin - Roll                 | 1 1 1                    |
| 3256-24  | Washer - Flat           | 9 51 4                   | 32121-6   | Pin - Roll                 | 8 11 1                   |
| 3256-24  | Washer - Flat           | 2 57 15                  | 32121-35  | Pin - Roll                 | 1 12 8                   |
| 3256-24  | Washer - Flat           | 12 65 4                  | 32121-45  | Pin - Roll                 | 11 38 1                  |
| 3256-26  | Washer - Flat           | 5 32 1                   | 32121-45  | Pin-Roll                   | 8 7 2                    |
| 3256-26  | Washer - Flat           | 8 42 1                   | 32122-35  | Screw - Truss Head         | 46 8 1                   |
| 3256-26  | Washer - Flat           | 2 48 2                   | 32122-53  | Screw - Phillips Hd.       | 14 13 2                  |
| 3256-49  | Nut - Lock              | 14 24 6                  | 32128-20  | Nut - Lock, Flange         | 46 3 1                   |
| 3258-19  | Screw - Round Head      | 38 4 2                   | 32128-20  | Nut - Lock, Flange         | 38 13 4                  |
| 3272-4   | Pin - Cotter            | 8 23 1                   | 32128-20  | Nut - Lock, Flange         | 9 63 1                   |
| 3272-6   | Pin - Cotter            | 5 47 2                   | 32128-20  | Nut - Lock, Flange Hd.     | 15 19 3                  |
| 3272-6   | Pin - Cotter            | 2 50 4                   | 32136-9   | Nut - Castle               | 40 13 1                  |
| 3272-10  | Pin - Cotter            | 9 81 1                   | 32141-111 | Nut - Lock, Flange Hd.     | 3 89 1                   |
| 3272-11  | Pin - Cotter            | 1 23 2                   | 32144-1   | Screw - Thread Forming     | 22 5 2                   |
| 3272-11  | Pin - Cotter            | 11 26 1                  | 32144-1   | Screw - Thread Forming     | 14 28 2                  |
| 3272-11  | Pin - Cotter            | 8 43 1                   | 32144-14  | Screw - Cap, Hex. Hd.      | 24 50 1                  |
| 3272-12  | Pin - Cotter            | 5 33 1                   | 32144-14  | Screw - Hex. Flange Hd.    | 9 74 7                   |
| 3272-12  | Pin - Cotter            | 2 49 1                   | 32144-21  | Screw - Fillister Head     | 11 3 1                   |
| 3272-37  | Pin - Cotter            | 40 14 1                  | 32144-34  | Screw                      | 15 34 6                  |
| 3274-12  | Screw - Cap, Hex. Hd.   | 11 29 4                  | 32149-7   | Nut - KEPS                 | 23 54 4                  |
| 3274-15  | Screw - Fillister Hd.   | 18 43 2                  | 32149-7   | Nut - Lock                 | 14 20 2                  |
| 3274-19  | Screw - Set             | 15 38 2                  | 32151-41  | Ring - Retaining           | 17 9 1                   |
| 3274-52  | Screw - Hex, Socket Hd. | 18 20 4                  | 32151-101 | Ring - Retaining           | 24 26 2                  |
| 3274-52  | Screw - Hex, Socket Hd. | 20 45 6                  | 32152-7   | Nut - Lock                 | 41 4 1                   |
| 3274-70  | Screw - Hex, Socket Hd. | 18 1 2                   | 32152-10  | Nut                        | 10 2 2                   |
| 3274-84  | Screw - Cap, Hex. Hd.   | 21 58 4                  | 32152-10  | Nut-Lock                   | 4 3 1                    |
| 3284-3   | Pin - Groove            | 22 39 1                  | 340-1     | Fitting - Hydraulic        | 25 1 1                   |
| 3290-55  | Rivet - Pop             | 24 27 8                  | 340-2     | Fitting - Hydraulic        | 25 3 3                   |
| 3290-271 | Rivet                   | 24 3 2                   | 340-3     | Fitting - Hydraulic        | 16 53 1                  |
| 3290-317 | Washer - Spring         | 2 75 6                   | 340-6     | Fitting - Hydraulic        | 26 54 1                  |
| 3290-357 | Nut - Lock              | 3 97 1                   | 340-11    | Fitting - Hydraulic        | 15 16 1                  |
| 3290-357 | Nut - Lock              | 26 76 1                  | 340-14    | Fitting - Hydraulic        | 5 15 4                   |
| 3290-378 | Tie - Cable             | 40 2 2                   | 340-16    | Fitting - Hydraulic        | 15 5 1                   |
| 3290-378 | Tie - Cable             | 12 58 6                  | 340-18    | Fitting - Hydraulic        | 15 13 1                  |
| 3290-378 | Tie - Cable             | 26 58 10                 | 340-77    | Fitting - Hydraulic        | 16 51 4                  |
| 3290-378 | Tie - Cable             | 23 62 4                  | 340-87    | Fitting - Hydraulic        | 16 58 1                  |
| 3290-379 | Tie - Cable             | 22 23 3                  | 340-92    | Fitting - Straight         | 1 17 1                   |
| 3290-379 | Tie - Cable             | 37 27 2                  | 340-96    | Fitting - Hydraulic        | 15 7 1                   |
| 3290-409 | Rivet - Pop             | 24 25 10                 | 340-98    | Fitting - Hydraulic        | 16 59 2                  |
| 3296-2   | Nut - Lock              | 14 31 1                  | 340-101   | Fitting - Hydraulic        | 15 17 1                  |
| 3296-4   | Nut - Lock              | 9 65 2                   | 340-101   | Fitting - Hydraulic        | 16 52 1                  |
| 3296-16  | Nut - Lock              | 14 12 1                  | 340-103   | Fitting - Hydraulic        | 8 30 2                   |
| 3296-16  | Nut - Lock              | 22 21 5                  | 340-132   | Fitting - Hydraulic        | 40 6 2                   |
| 3296-16  | Nut - Lock              | 24 22 1                  | 340-137   | Fitting - Hydraulic        | 12 53 4                  |
| 3296-16  | Nut - Lock              | 11 33 1                  | 351-78    | Edging                     | 11 23 2                  |
| 3296-16  | Nut - Lock              | 15 40 4                  | 353-301   | Poppet                     | 18 27 1                  |
| 3296-16  | Nut - Lock              | 5 9 8                    | 353-302   | O-Ring                     | 20 7 3                   |
| 3296-16  | Nut - Lock              | 5 43 3                   | 353-302   | O-Ring                     | 18 10 3                  |
| 3296-16  | Nut - Lock              | 9 72 1                   | 353-303   | Ring - Backup              | 20 8 6                   |
| 3296-16  | Nut - Lock              | 2 80 3                   | 353-303   | Ring - Backup              | 18 9 6                   |
| 3296-23  | Nut - Lock              | 5 25 8                   | 353-304   | Spring                     | 18 28 1                  |
| 3296-25  | Nut - Lock              | 11 6 2                   | 353-305   | O-Ring                     | 20 5 5                   |
| 3296-29  | Nut - Lock              | 6 60 1                   | 353-305   | O-Ring                     | 18 8 4                   |
| 3296-29  | Nut - Lock              | 25 14 10                 | 353-306   | Ring - Backup              | 20 4 5                   |
| 3296-29  | Nut - Lock              | 11 34 4                  | 353-306   | Ring - Backup              | 18 7 4                   |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3317-751

| Part No. | Description                  | Pg. Ref.<br>No. No. Qty. | Part No. | Description                 | Pg. Ref.<br>No. No. Qty. |
|----------|------------------------------|--------------------------|----------|-----------------------------|--------------------------|
| 353-328  | Washer - Shim                | 18 15 A/R                | 353-783  | Fitting - Straight          | 22 50 1                  |
| 353-328  | Washer - Shim                | 20 32 A/R                | 353-808  | Collar - Spring             | 20 24 1                  |
| 353-329  | Washer - Shim                | 18 16 A/R                | 353-829  | Collar Spool                | 20 26 1                  |
| 353-329  | Washer - Shim                | 20 33 A/R                | 353-830  | O-Ring                      | 20 25 1                  |
| 353-330  | Washer - Shim                | 18 17 A/R                | 353-831  | Spring                      | 20 21 1                  |
| 353-330  | Washer - Shim                | 20 34 A/R                | 353-833  | Positioner Assembly         | 21 * 1                   |
| 353-331  | O-Ring                       | 18 29 1                  | 353-835  | Seals - Section Set         | 19 * 1                   |
| 353-334  | Cap - Relief                 | 18 19 2                  | 353-835  | Seals - Section Set         | 21 * 1                   |
| 353-334  | Cap - Relief                 | 20 36 2                  | 353-837  | Section #2 Complete         | 19 * 1                   |
| 353-392  | Seal - Relief Poppet PTFE    | 18 13 2                  | 353-839  | Positioner - DI (SPL) Assy. | 19 * 1                   |
| 353-392  | Seal - Relief Poppet PTFE    | 20 30 2                  | 353-840  | Position - DI (SP) Assy.    | 21 * 1                   |
| 353-398  | Spring                       | 20 35 1                  | 353-841  | Position - Spool Assembly   | 21 * 1                   |
| 353-417  | Collar Spring                | 20 20 2                  | 353-844  | Plus Series                 | 21 55 1                  |
| 353-417  | Collar Spring                | 18 40 2                  | 353-845  | Sleeve - Detent             | 20 41 1                  |
| 353-481  | Plug - Load Check            | 20 2 3                   | 353-846  | Spud - DI (SPL)             | 20 40 1                  |
| 353-481  | Plug - Load Check            | 18 5 3                   | 353-847  | Bonnet (SPL)                | 20 38 1                  |
| 353-483  | Body - Anticavitation        | 21 61 1                  | 353-848  | O-Ring                      | 20 14 1                  |
| 353-484  | Retainer - Ball              | 21 62 1                  | 353-849  | Sleeve                      | 20 39 1                  |
| 353-529  | Plate Seal                   | 20 22 1                  | 353-850  | O-Ring                      | 21 56 1                  |
| 353-531  | Poppet Assembly              | 20 31 2                  | 353-851  | Body - Relief CP-RC Mod.    | 18 12 1                  |
| 353-531  | Poppet Assy.                 | 18 14 2                  | 353-851  | Body - Relief CP-RC Mod.    | 20 29 2                  |
| 353-550  | Plug Assembly                | 20 13 1                  | 353-853  | Bolt - Hex Hd.              | 20 10 3                  |
| 353-564  | Fitting - Hydraulic 90°      | 15 27 2                  | 353-855  | Spring                      | 18 18 2                  |
| 353-564  | Fitting - Hydraulic 90°      | 42 23 2                  | 353-855  | Spring                      | 20 44 1                  |
| 353-575  | Boot - Dust Cap              | 18 21 2                  | 353-884  | Key - Woodruff              | 39 19 4                  |
| 353-575  | Boot - Dust Cap              | 20 46 3                  | 353-886  | Ring - Retaining            | 39 18 2                  |
| 353-579  | Spring                       | 18 45 1                  | 353-922  | Seal - Ring                 | 39 23 10                 |
| 353-586  | Bearing - Needle             | 17 13 4                  | 353-923  | Bearing Plate Assembly      | 39 26 2                  |
| 353-588  | Cover - Motor                | 17 3 1                   | 353-952  | Ring - Backup               | 18 32 1                  |
| 353-591  | Block - Anti-Extrusion       | 17 8 1                   | 353-953  | Plug Assembly               | 21 54 1                  |
| 353-592  | Drive Shaft Assembly         | 17 16 1                  | 353-957  | Seal - Lip                  | 20 15 6                  |
| 353-593  | Idle Gear Assembly           | 17 7 1                   | 353-957  | Seal - Lip                  | 18 26 4                  |
| 353-594  | Seal Assembly                | 17 14 1                  | 353-958  | Ring - Backup               | 20 16 1                  |
| 353-595  | Plate - Wear                 | 17 15 1                  | 353-961  | Adapter - Flange            | 15 31 1                  |
| 353-596  | O-Ring                       | 17 17 1                  | 353-962  | Cap & Chain Assembly        | 15 33 1                  |
| 353-597  | Bridging - Insert            | 17 5 1                   | 353-963  | Gasket                      | 15 36 2                  |
| 353-598  | Gasket - Insert              | 17 6 1                   | 353-964  | Gear - 66B                  | 39 21 1                  |
| 353-599  | Pin - Dowel                  | 17 4 2                   | 353-967  | Gear - 33B                  | 39 24 6                  |
| 353-600  | Washer                       | 17 2 4                   | 353-969  | Plate - Gear 33B            | 39 25 3                  |
| 353-601  | Screw - Hex Socket Hd.       | 17 1 4                   | 353-971  | Plate - Gear 66B            | 39 14 1                  |
| 353-642  | Relief - RC Mod.             | 19 * 2                   | 354-1    | Shaft - Drive               | 39 20 1                  |
| 353-642  | Relief - RC Mod. Assembly    | 21 * 1                   | 354-2    | Body Assembly               | 39 15 1                  |
| 353-668  | Plate - Cap, Cover RH        | 20 11 1                  | 354-3    | Bearing Plate Assembly      | 39 22 1                  |
| 353-707  | Fitting                      | 22 26 1                  | 354-4    | Bearing Plate Assembly      | 39 28 1                  |
| 353-721  | Plug                         | 18 35 2                  | 354-5    | Adapter - Splined           | 39 27 1                  |
| 353-727  | Bonnet                       | 18 2 1                   | 354-6    | Plate - Gear 18B            | 39 30 1                  |
| 353-728  | Sleeve                       | 18 49 1                  | 354-7    | Cover Assembly              | 39 31 1                  |
| 353-729  | Spud - Detent                | 18 3 1                   | 354-8    | Drive Shaft - Gear Assy.    | 39 29 1                  |
| 353-730  | Spring                       | 20 42 1                  | 354-9    | Idle Shaft - Gear Assy.     | 39 5 1                   |
| 353-731  | Ball                         | 20 43 1                  | 354-10   | Idle Shaft - Gear Assy.     | 39 12 1                  |
| 353-732  | Sleeve - Detent              | 19 52 1                  | 354-11   | Pin - Dowel                 | 39 4 2                   |
| 353-733  | Spacer - Bonnet              | 18 4 1                   | 354-12   | Pin - Dowel                 | 39 6 2                   |
| 353-733  | Spacer - Bonnet              | 20 19 2                  | 354-13   | Pin - Dowel                 | 39 11 4                  |
| 353-737  | Ball                         | 21 63 1                  | 354-14   | Pin - Dowel                 | 39 13 2                  |
| 353-754  | Bonnet - R. Detent           | 18 42 1                  | 354-15   | Seal - Shaft                | 39 17 1                  |
| 353-758  | Seal - O-Ring                | 18 31 1                  | 354-16   | Washer - Lock               | 39 2 4                   |
| 353-760  | Body Relief                  | 18 30 1                  | 354-17   | Stud - Threaded             | 39 3 4                   |
| 353-762  | Spud - Detent Out            | 18 50 1                  | 354-25   | Section #4 Assembly         | 21 * 1                   |
| 353-763  | Cap - Adjustment             | 18 44 1                  | 354-26   | Bonnet                      | 20 27 2                  |
| 353-766  | Relief WH (2000) PSI Assy.   | 19 * 1                   | 354-28   | Screw - Hex, Socket Hd.     | 20 28 2                  |
| 353-768  | Section #1 Complete          | 19 * 1                   | 354-29   | Plate - Thrust              | 19 48 1                  |
| 353-770  | Section #3 Assembly          | 21 * 1                   | 354-35   | Gasket                      | 39 32 1                  |
| 353-772  | Left End Cover               | 18 34 1                  | 354-122  | Disc - Seal                 | 21 52 1                  |
| 353-777  | Body - Motor                 | 17 12 1                  | 354-129  | Anticavitation Check Assy.  | 21 * 1                   |
| 353-780  | Positioner - R. Detent (Out) | 19 * 1                   | 354-131  | Section #3 Assembly         | 21 * 1                   |

\*Not Illustrated

## PRODUCT CHANGES

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

## IDENTIFICATION AND ORDERING

### MODEL AND NUMBERS

The Greensmaster 3000—D 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 Greensmaster 3000—D 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 Greensmaster 3000—D.
2. Part number description and the quantity of part(s) desired.

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

# TABLE OF CONTENTS

| Description                                    | Page  | Description                              | Page  |
|------------------------------------------------|-------|------------------------------------------|-------|
| Foot Pedals and Roller Assembly . . . . .      | 1—3   | Alternator Assy. . . . .                 | 28    |
| Hydraulic Cylinder No. 84—8290 . . . . .       | 4     | Crankcase Assy. . . . .                  | 29    |
| Wheel and Brake Assembly . . . . .             | 5—6   | Fuel Supply & Engine Block Assy. . . . . | 30    |
| Hydraulic Drive Motor No. 66—5292 . . . . .    | 7     | Valves & Crankshaft Assy. . . . .        | 31    |
| Frame Assembly . . . . .                       | 8—9   | Camshaft Assy. . . . .                   | 32    |
| Rear Hydraulic Cylinder No. 83—7230 . . . . .  | 10    | Cylinder Head Assy. . . . .              | 33    |
| Steering and Seat Assembly . . . . .           | 11—12 | Governor Assy. . . . .                   | 34    |
| Power Steering Valve No. 92—8690 . . . . .     | 13    | Fuel Injection Pump Assy. . . . .        | 35—36 |
| Instrument and Panel Assembly . . . . .        | 14    | Starter Assy. . . . .                    | 37    |
| Valve Bank & Hydraulic Reservoir Assy. . . . . | 15—16 | Air Cleaner Assy. . . . .                | 38    |
| Reel Motor No. 70—9800 . . . . .               | 17    | Hydraulic Pump Assy. . . . .             | 39    |
| Control Valve Assembly No. 84—2203             |       | Rear Wheel Assy. . . . .                 | 40    |
| Section 1 and 2 . . . . .                      | 18—19 | Hydraulic Steering Cylinder . . . . .    | 41    |
| Control Valve Assembly No. 84—2203             |       | Hydraulic System Assembly . . . . .      | 42    |
| Section 3 thru 5 . . . . .                     | 20—21 | Hydraulic Schematic . . . . .            | 43    |
| Gas Tank & Battery Assembly . . . . .          | 22—23 | Electrical Schematic . . . . .           | 44    |
| Radiator & Grille Assy. . . . .                | 24    | Special Tools . . . . .                  | 45—46 |
| Engine Installation Assy. . . . .              | 25—26 | TORO Part Number Index . . . . .         | 47—55 |
| Water Pump Assy. . . . .                       | 27    |                                          |       |