Form No. 3325–447

# 580–D

## Groundsmaster® Traction Unit

**Model No. 30581—210000001 and Up**

# Parts Catalog

### Ordering Replacement Parts

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

### Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

#### Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b.** The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

#### Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y.** The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number 37 are indicated.

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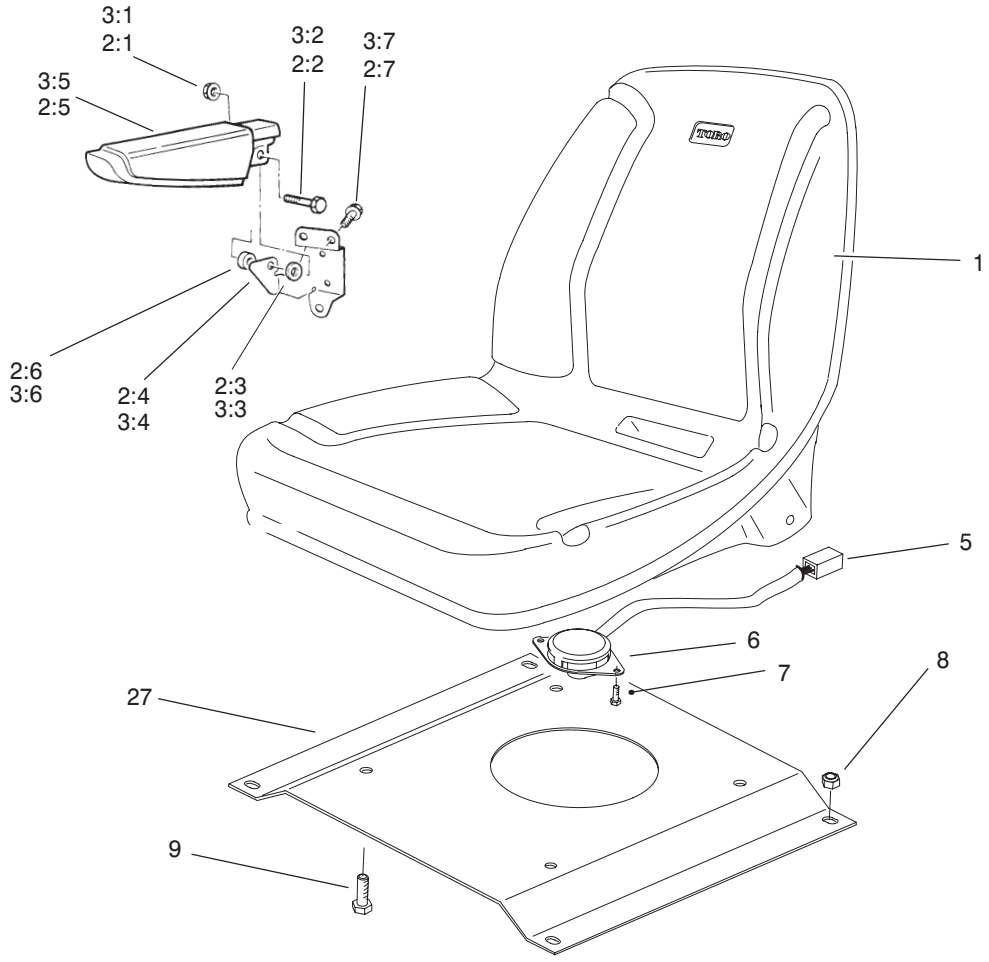
## Accessories

| Description | Model / Part No. |
|---|---|
| Road Light Kit | 30594 |
| Left Cutting Unit | 30591 |
| 92” Triflex Cutting Unit | 30592 |
| Right Cutting Unit | 30593 |
| Extra Traction Drive Tire | 231–140 |
| Foam Filled 12” Caster Tire | 98–7329 |
| Foam Filled 10.5 Caster Tire | 93–5973 |
| Shipping Bracket (for cutting unit) | 30587 |
| Air Conditioner | 98–7315 |
| Cold Start Kit | 30590 |
| Flow Combiner | 30586 |
| Mulcher Kit | 30588 |

## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

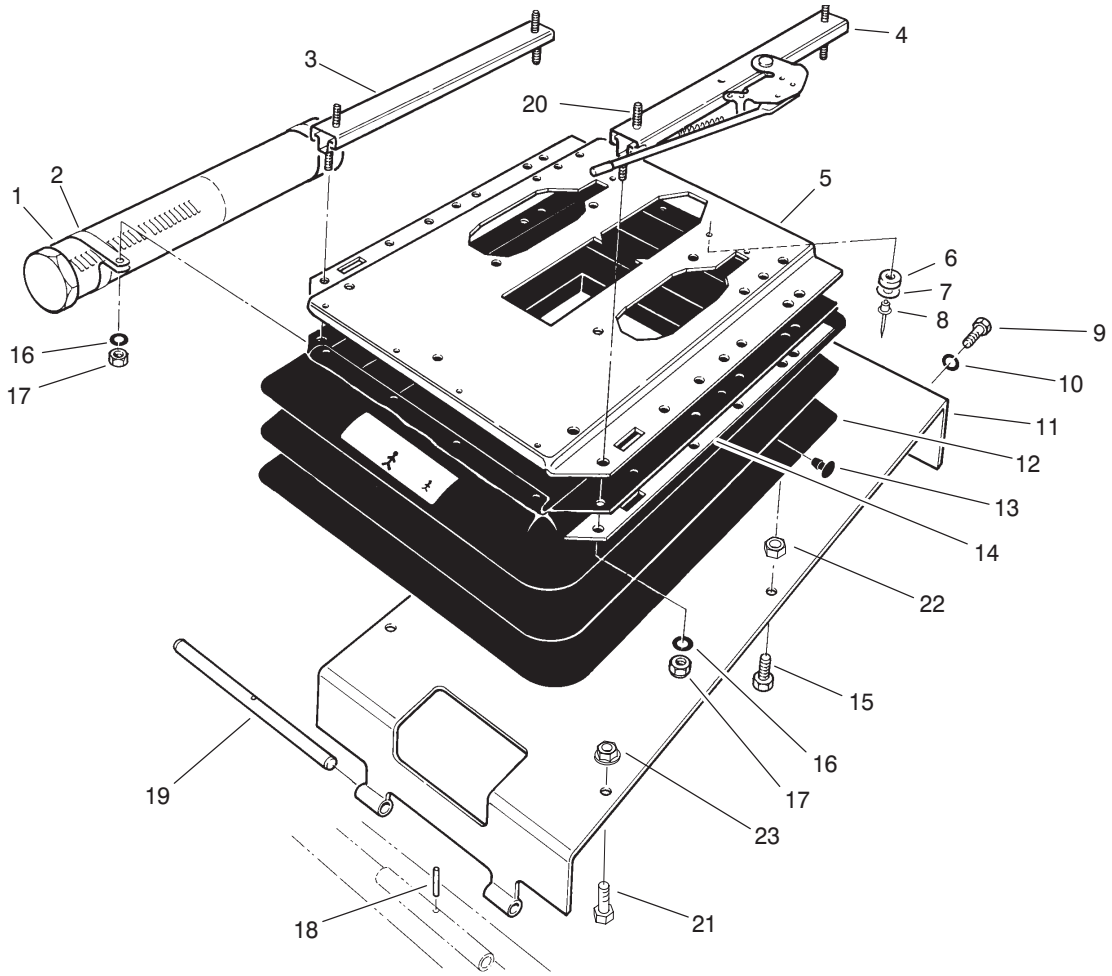
| Abbreviation | Meaning |
|---|---|
| AR | as required |
| ASM | assembly |
| CARR | carriage |
| DEG | degrees |
| FH | flat head |
| GA | gauge |
| HF | hex flange |
| HH | hex head |
| HHF | hex head flange |
| HLH | hex lag head |
| HJ | hex jam |
| HOC | height-of-cut |
| HS | hex socket |
| HSBH | hex socket button head |
| HSFH | hex socket flat head |
| HSH | hex socket head |
| HWH | hex washer head |
| HWHTF | hex washer head thread forming |
| INC | incorporated |
| LH | left hand |
| NI | nylon insert |
| PPH | Phillips pan head |
| PTH | Phillips truss head |
| PTO | power take off |
| RH | right hand |
| SFH | slotted fillister head |
| SHH | slotted hex head |
| SQH | square head |
| SHWH | slotted hex washer head |
| SPH | slotted pan head |
| SRH | slotted round head |
| STD | standard |
| TAP | self tapping |
| TTH | Torx truss head |
| WH | wing head |




# Seat Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104–4620 | 1 | Seat–Olympic, Toro |
| 2 | 92–7306 | 1 | Armrest ASM–RH |
| 2:1 | 32128–19 | 1 | Nut–HF |
| 2:2 | 323–9 | 1 | Screw–HH |
| 2:3 | 3256–24 | 1 | Washer–Flat |
| 2:4 | 69–0770 | 1 | Bracket–Arm, RH |
| 2:5 | 69–1180 | 1 | Armrest |
| 2:6 | 92–7301 | 1 | Spacer |
| 2:7 | 92–7318 | 1 | Screw – Pth |
| 3 | 92–7307 | 1 | Armrest ASM–LH |
| 3:1 | 32128–19 | 1 | Nut–HF |
| 3:2 | 323–9 | 1 | Screw–HH |
| 3:3 | 3256–24 | 1 | Washer–Flat |
| 3:4 | 69–0760 | 1 | Bracket–Arm, LH |
| 3:5 | 69–1180 | 1 | Armrest |
| 3:6 | 92–7301 | 1 | Spacer |
| 3:7 | 92–7318 | 1 | Screw – Pth |
| 4 | 3234–14 | 6 | Screw–HHF |
| 5 | 98–7326 | 1 | Harness – Wire, Seat |
| 6 | 92–6282 | 1 | Switch–Seat |
| 7 | 3234–33 | 2 | Screw–HHF |
| 8 | 3296–29 | 4 | Nut–Lock |
| 9 | 3234–5 | 4 | Screw–HHF |
| 27 | 98–3048–03 | 1 | Plate – Seat |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

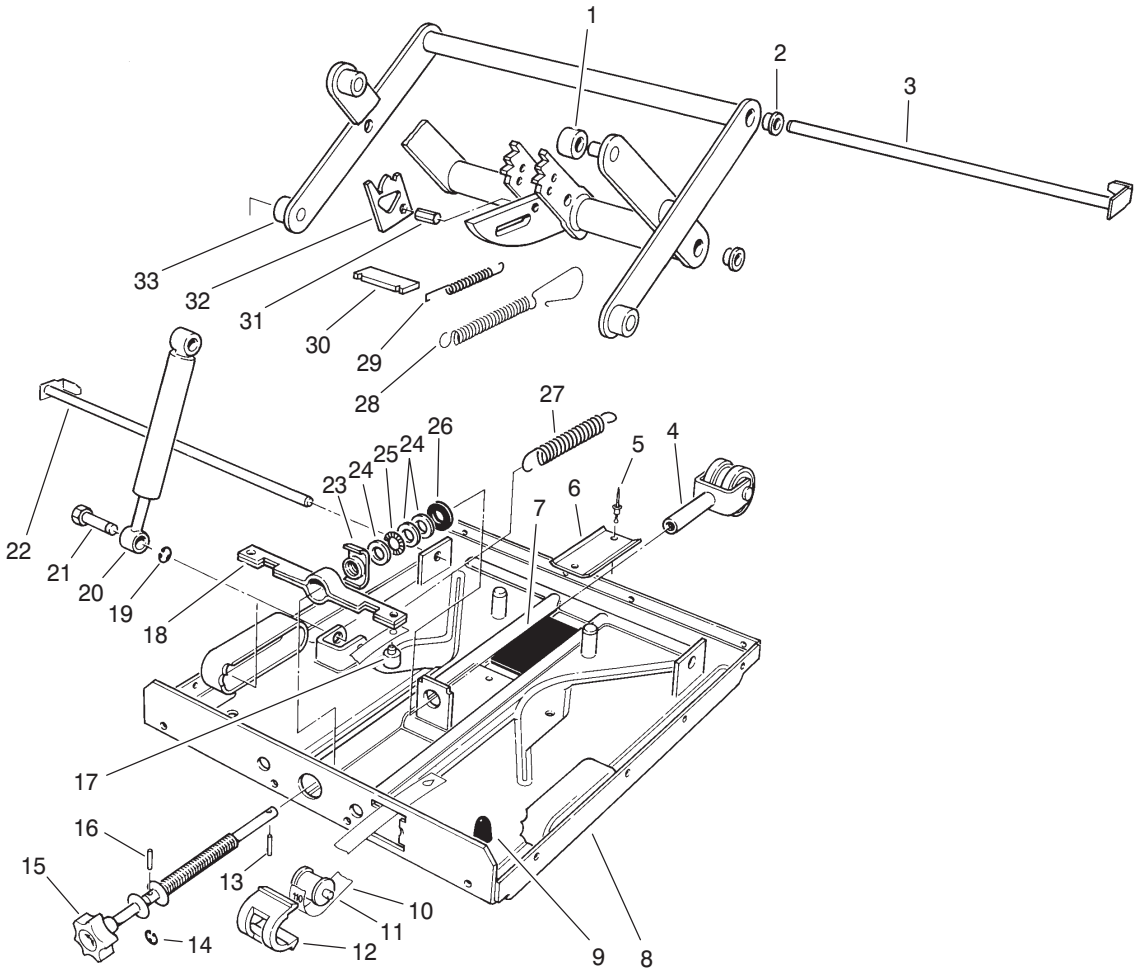



T–1279–1

# Seat Pivot and Bellows Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 74–0720 | 1 | Tube–Manual |
| 2 | 2412–133 | 2 | Clamp |
| 3 | 66–8530 | 1 | Track–Adjustment |
| 4 | 82–9060 | 1 | Track & Latch–Adjustment |
| 5 | 71–2410 | 1 | Plate–Suspension, Upper (Incl. Ref. #6) |
| 6 | 71–2400 | 2 | Bumper ASM (Incl. Ref. #7 & 8) |
| 7 | 71–2380 | 2 | Washer |
| 8 | 71–2390 | 2 | Rivet–Pop |
| 9 | 323–6 | 2 | Screw–HH |
| 10 | 3253–21 | 2 | Washer–Lock |
| 11 | 83–6660–03 | 1 | Support–Seat |
| 12 | 71–2420 | 1 | Bellows–Rubber |
| 13 | 39–5710 | 21 | Plug |
| 14 | 40–3890 | 2 | Trim |
| 15 | 48–7780 | 2 | Screw–HH |
| 16 | 3256–23 | 4 | Washer–Flat |
| 17 | 3296–29 | 4 | Nut–Lock |
| 18 | 32121–4 | 1 | Pin–Roll |
| 19 | 27–4720 | 1 | Pin–Pivot, Seat |
| 20 | 3230–22 | 1 | Bolt–CARR |
| 21 | 33104–025 | 2 | Screw–HHF |
| 22 | 33015–00 | 2 | Nut |
| 23 | 33004–00 | 2 | Nut–HWH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



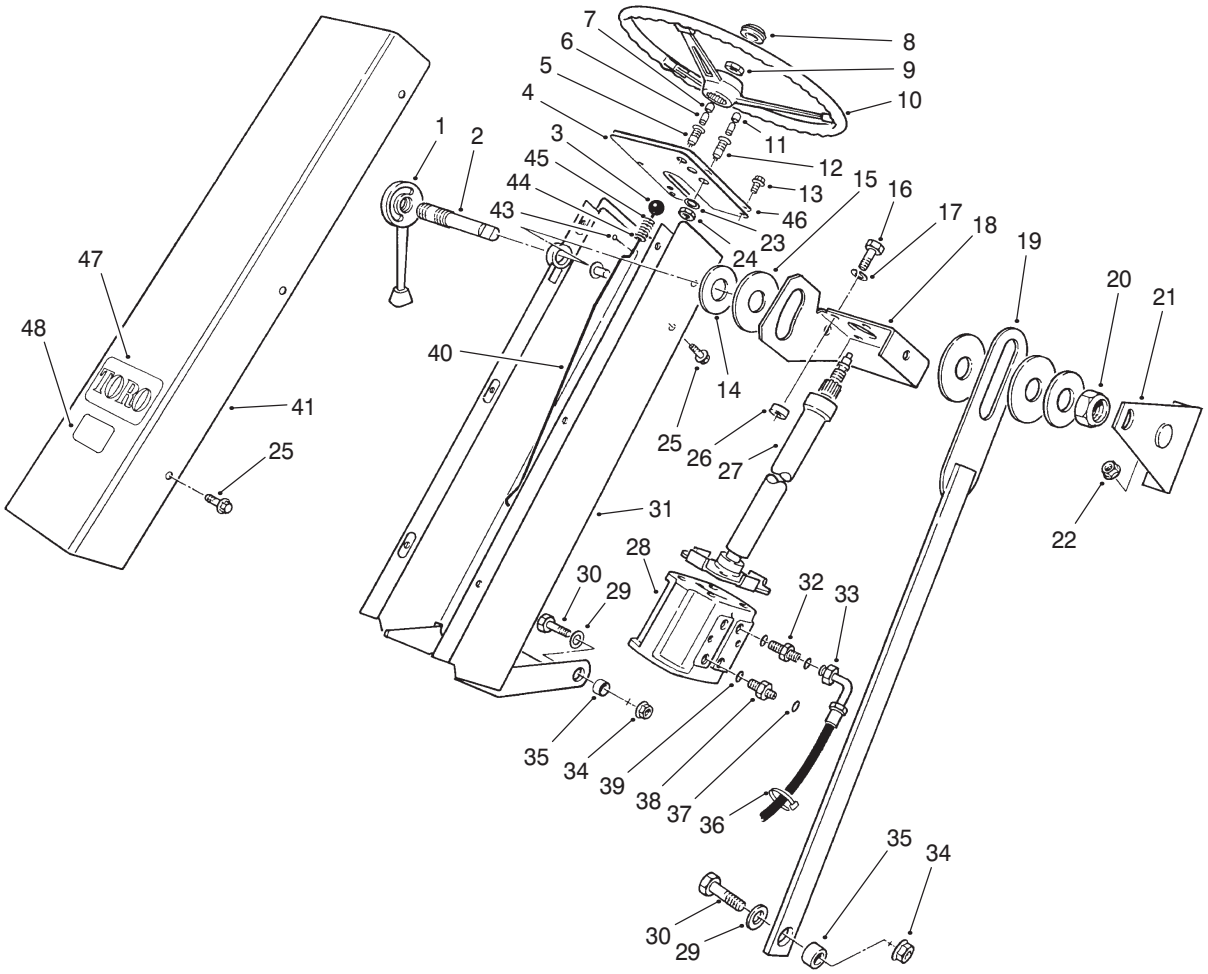

T–0483–1

# Seat Suspension Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 40–4010 | 4 | Roller |
| 2 | 71–2180 | 4 | Bearing |
| 3 | 71–2190 | 1 | Pin |
| 4 | 71–2290 | 1 | Bearing–Trible |
| 5 | 40–4090 | 2 | Rivet–Pop |
| 6 | 40–4080 | 1 | Track–U |
| 7 | 40–4120 | 1 | Plate–Rubber |
| 8 | 71–2310 | 1 | Plate–Suspension, Lower (Incl. Ref. #5–7 & 9) |
| 9 | 71–2300 | 2 | Bumper |
| 10 | 71–2280 | 1 | Band–Indicator, Weight |
| 11 | 40–4150 | 1 | Roller |
| 12 | 40–4160 | 1 | Guide–Sleeve |
| 13 | 71–2210 | 1 | Pin |
| 14 | 71–2230 | 1 | Ring–Snap |
| 15 | 71–2240 | 1 | Knob ASM (Incl. Ref.#13, 14 & 16) |
| 16 | 71–2220 | 1 | Pin |
| 17 | 40–4230 | 1 | Plug |
| 18 | 71–2250 | 1 | Bracket–Spring |
| 19 | 71–2330 | 2 | Ring–Snap |
| 20 | 71–2340 | 1 | Absorber–Shock |
| 21 | 71–2320 | 2 | Pin |
| 22 | 71–2170 | 1 | Pin |
| 23 | 71–2270 | 1 | Nut–Special |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 24 | 40–4070 | 3 | Washer |
| 25 | 40–4310 | 1 | Bearing–Needle, Thrust |
| 26 | 40–4060 | 1 | Washer–Rubber |
| 27 | 71–2260 | 2 | Spring |
| 28 | 40–4340 | 1 | Spring–Extension |
| 29 | 40–4350 | 2 | Spring–Extension |
| 30 | 40–4360 | 1 | Plate |
| 31 | 40–4370 | 1 | Bolt |
| 32 | 40–4380 | 2 | Bracket–Release |
| 33 | 71–2200 | 1 | Bracket–Arm, Swing (Incl. Ref. #1–3, 22 & 29–32) |
| * | 71–0480 | 1 | Suspension ASM (Incl. Ref. #1–33, & 6–8,12 & 13, from page 2) |

* Not Illustrated

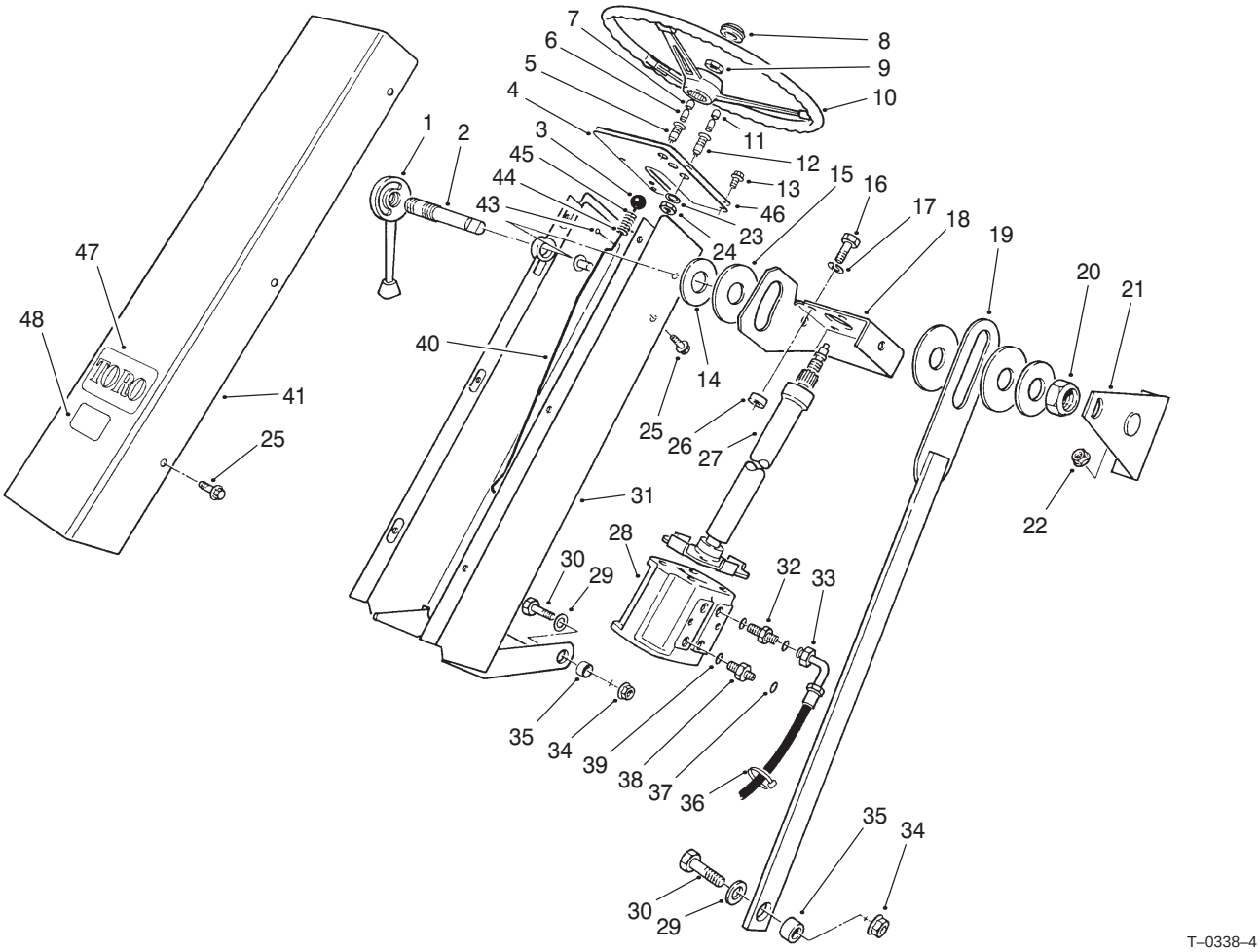



# Steering Tower Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–1560–03 | 1 | Lever–Lock |
| 2 | 69–9230 | 1 | Shaft–Povot, Steering |
| 3 | 233–17 | 1 | Knob |
| 4 | 69–9440–03 | 1 | Panel–Tower, Steering |
| 5 | 44–2210 | 1 | Body–Light, Indicator (Incl. Ref. #6–7 & 23–24) |
| †6 | | 3 | Bulb–Light, Indicator (#1891) |
| 7 | 218–533 | 1 | Lens–Light, Indicator (Red) |
| 8 | 98–7325 | 1 | Cover–Wheel, Steering |
| 9 | 47–6990 | 1 | Nut–Hex |
| 10 | 68–8080 | 1 | Wheel–Steering |
| 11 | 218–562 | 2 | Lens–Light, Indicator (Amber) |
| 12 | 44–2212 | 2 | Body–Light, Indicator (Incl. Ref.#6, 11 & 23–24) |
| 13 | 32144–64 | 4 | Screw–HWH |
| 14 | 20–9500 | 2 | Spacer |
| 15 | 31–0390 | 3 | Washer–Friction |
| 16 | 323–7 | 4 | Screw–HH |
| 17 | 3253–21 | 4 | Washer–Lock |
| 18 | 69–9540–03 | 1 | Bracket–Gear, Steering |
| 19 | 69–7760–03 | 1 | Link–Gear, Steering |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 20 | 3296–49 | 1 | Nut–Lock |
| 21 | 69–7740–03 | 1 | Support–Gear, Steering |
| 22 | 32128–20 | 2 | Nut–HHF |
| 23 | 218–536 | 3 | Washer–Lock |
| 24 | 218–535 | 3 | Nut–Hex |
| 25 | 3234–14 | 8 | Screw–HWH |
| 26 | 46–1600 | 4 | Spacer |
| 27 | 71–0540 | 1 | Column–Steering |
| 28 | 92–9748 | 1 | Valve–Steering, Power |
| 29 | 3256–26 | 3 | Washer–Flat |
| 30 | 325–5 | 3 | Screw–HH |
| 31 | 69–8160–01 | 1 | Tower–Steering |
| 32 | 340–133 | 3 | Fitting–Straight, Hydraulic (Incl. Ref. #37 & 39) |
| 33 | 69–5500 | 4 | Hose–Hydraulic |
| 34 | 32128–23 | 3 | Nut–HHF |
| 35 | 28–0380 | 3 | Spacer |
| 36 | 3290–378 | 5 | Tie–Cable |
| 37 | 237–22 | 4 | O–Ring |
| 38 | 69–6980 | 1 | Valve–Check (Incl. Ref. # 37 & 39) |
| 39 | 237–79 | 4 | O–Ring |
| 40 | 71–4060–03 | 1 | Rod–Latch, Brake |
| 41 | 69–8510–01 | 1 | Cover–Tower, Steering |

† Obtain Locally

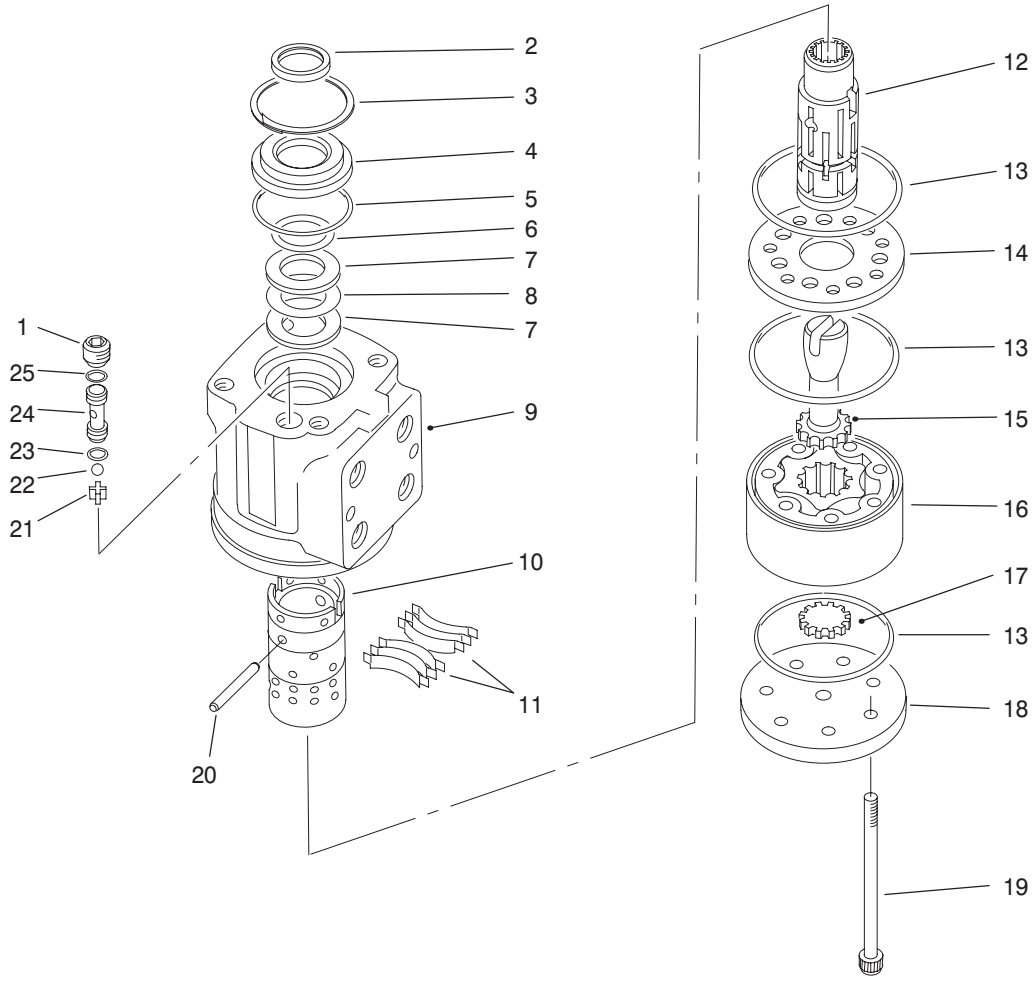



# Steering Tower Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 43 | 3272–5 | 1 | Pin–Cotter |
| 44 | 3256–22 | 1 | Washer–Flat |
| 45 | 95–1821–03 | 1 | Spring–Compression |
| 46 | 95–0825 | 1 | Panel–Control |
| 47 | 62–5550 | 1 | Decal |
| 48 | 93–7252 | 1 | Decal–CE |
| * | 72–0130 | 1 | Kit–Horn |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



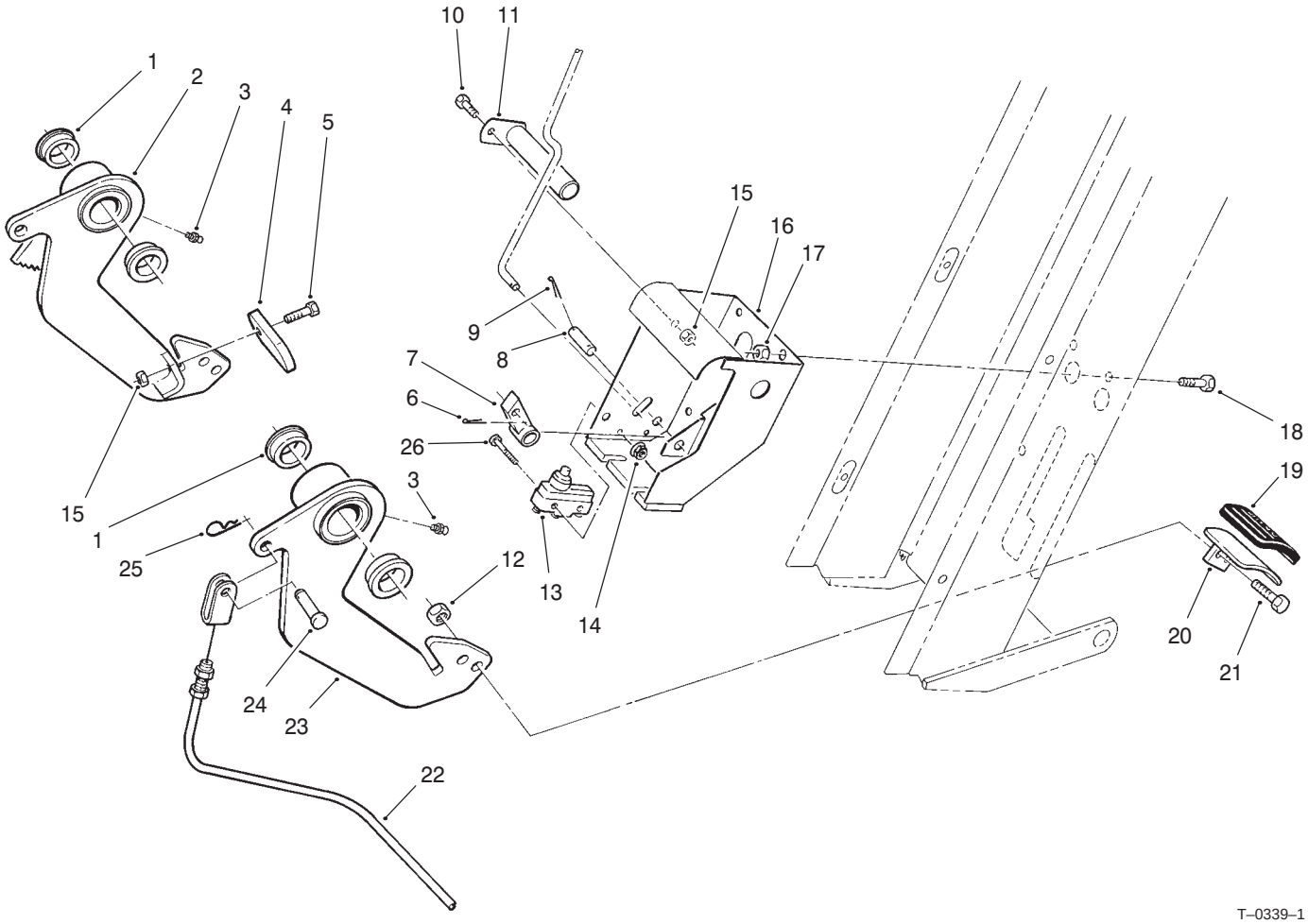

T–1007–2

# Power Steering Valve Assembly No. 92–9748

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 52–9260 | 1 | Screw–Set |
| †2 | | 1 | Seal–1” ID |
| 3 | 52–9230 | 1 | Ring–Retaining |
| 4 | 52–9240 | 1 | Bushing–Seal, Gland |
| †5 | | 1 | Seal–1.875” ID |
| †6 | | 1 | Seal–Ring, Quad |
| 7 | 59–6730 | 2 | Race–Bearing |
| 8 | 59–6740 | 1 | Bearing–Thrust, Needle |
| †9 | | 1 | Housing |
| †10 | | 1 | Sleeve–Control |
| 11 | 59–6820 | 1 | Kit–Spring, Centering |
| †12 | | 1 | Spool–Control |
| †13 | | 3 | Seal |
| 14 | 92–9732 | 1 | Plate–Wear |
| 15 | 52–9320 | 1 | Drive |
| 16 | 69–1860 | 1 | Gerotor |
| 17 | 69–1880 | 1 | Spacer |
| 18 | 92–9730 | 1 | Cap–End |
| 19 | 92–9735 | 7 | Screw–Cap |
| 20 | 59–6830 | 1 | Kit–Pin, Centering |
| 21 | 52–9290 | 1 | Retainer–Ball, Check |
| 22 | 52–9280 | 1 | Ball–Check |
| †23 | | 1 | Seal |
| 24 | 52–9270 | 1 | Seat–Ball, Check |
| †25 | | 1 | Seal |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 52–9250 | 1 | Kit–Bearing, Needle (Incl. Ref. #7–8) |
| * | 92–9749 | 1 | Kit–Seal (Incl. Ref. #2, 5–6,13, 23 & 25) |

* Not Illustrated
† Not Serviceable Separately

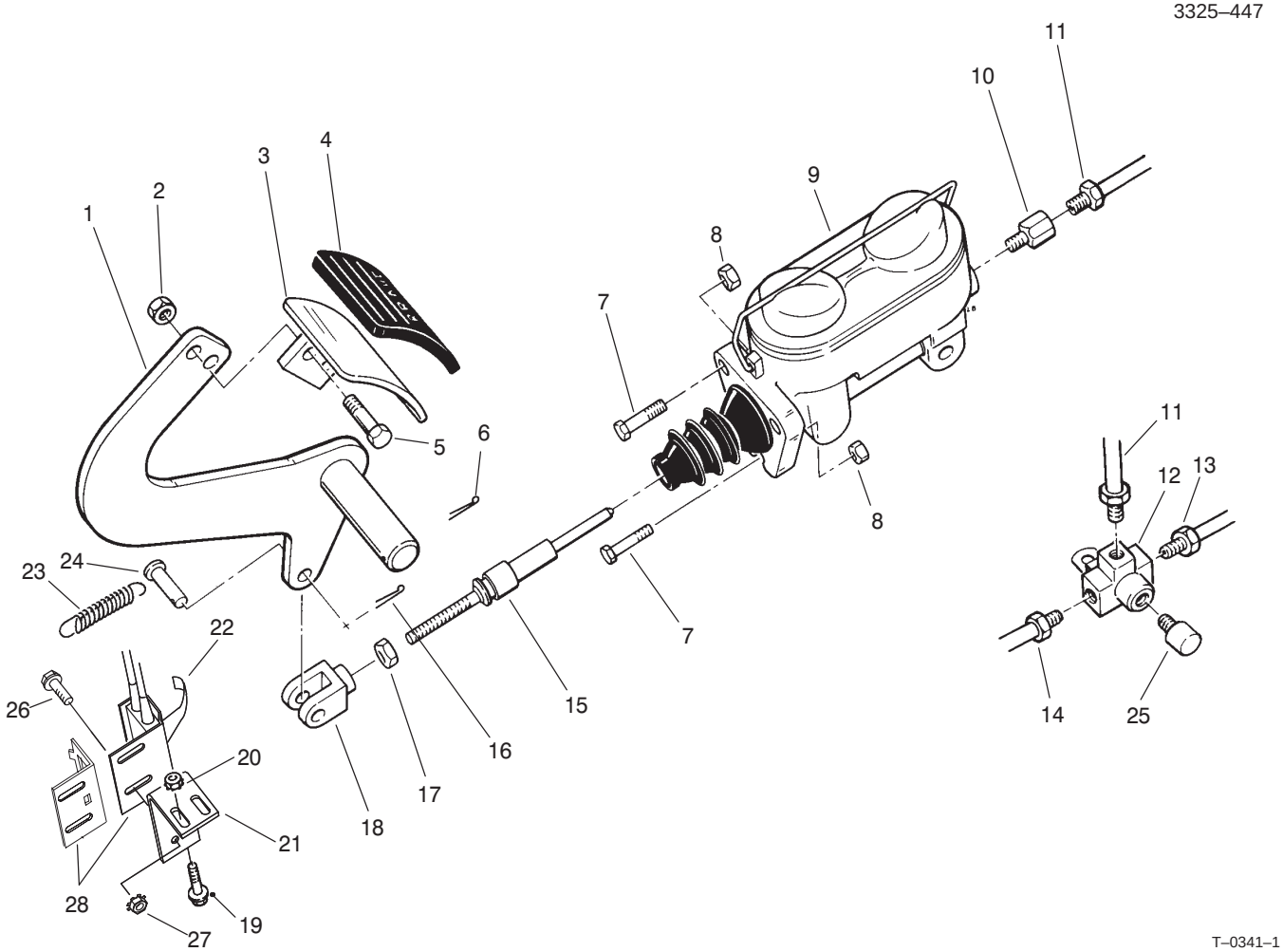



T–0339–1

# Steering Brake Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 256–247 | 4 | Bushing–Flange |
| 2 | 69–7890–03 | 1 | Arm–Brake, RH (Incl. Ref. #1 & 3) |
| 3 | 302–5 | 2 | Fitting–Grease |
| 4 | 69–9210–03 | 1 | Lever–Latch, Brake |
| 5 | 321–4 | 1 | Screw–HH |
| 6 | 3272–5 | 1 | Pin–Cotter |
| 7 | 69–7720–03 | 1 | Pawl–Brake |
| 8 | 69–9200 | 1 | Pin–Pawl, Brake |
| 9 | 3272–6 | 2 | Pin–Cotter |
| 10 | 321–2 | 1 | Screw–HH |
| 11 | 69–7790–03 | 1 | Pin–Arm, Brake |
| 12 | 32152–1 | 4 | Nut–Lock |
| 13 | 29–6163 | 1 | Switch–Micro |
| 14 | 3296–9 | 2 | Nut–Lock |
| 15 | 32152–4 | 2 | Nut–Lock |
| 16 | 69–7840–03 | 1 | Mount–Arm, Brake |
| 17 | 32128–20 | 3 | Nut–HHF |
| 18 | 3234–14 | 3 | Screw–HH |
| 19 | 49–6171 | 1 | Pad–Brake Pedal, LH |
| * | 49–6172 | 1 | Pad–Brake Pedal, RH |
| 20 | 69–7700–03 | 2 | Pedal–Brake |
| 21 | 323–4 | 4 | Screw–HH |
| 22 | 69–5670 | 2 | Cable–Brake |
| 23 | 69–7880–03 | 1 | Arm–Brake, LH (Incl. Ref. #1 & 3) |
| 24 | 283–1 | 2 | Pin–Clevis |
| 25 | 3290–307 | 2 | Pin–Cotter, Hair |
| 26 | 3249–11 | 2 | Screw–Machine |
| * | 3290–378 | 3 | Tie–Cable |

* Not Illustrated

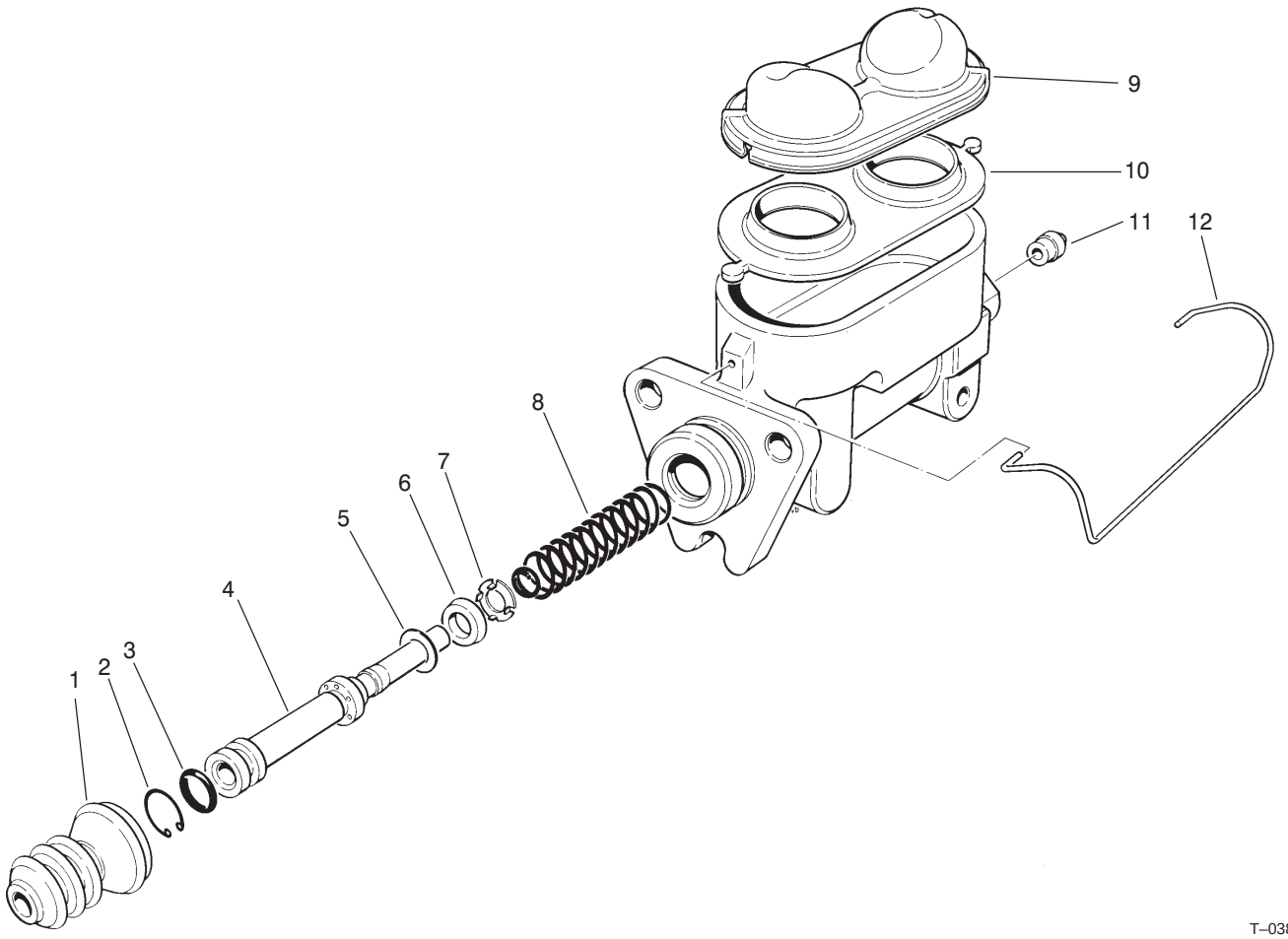



T–0341–1

# Service Brake Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–8750–03 | 1 | Arm–Brake |
| 2 | 32152–1 | 2 | Nut–Lock |
| 3 | 69–7700–03 | 1 | Pedal–Brake |
| 4 | 49–6170 | 1 | Pad–Brake |
| 5 | 322–3 | 2 | Screw–HH |
| 6 | 3272–12 | 1 | Pin–Cotter |
| 7 | 323–7 | 3 | Screw–HH |
| 8 | 32128–21 | 3 | Nut–HHF |
| 9 | 69–2640 | 1 | Master Cylinder ASM |
| 10 | 353–994 | 1 | Adapter |
| 11 | 74–2530 | 1 | Tube–Hydraulic |
| 12 | 218–243 | 1 | Fitting–Tee |
| 13 | 74–2510 | 1 | Tube–Hydraulic, LH |
| 14 | 74–2520 | 1 | Tube–Hydraulic, RH |
| 15 | 69–9340 | 1 | Rod–Brake |
| 16 | 3272–10 | 1 | Pin–Cotter |
| 17 | 3220–2 | 1 | Nut–Jam |
| 18 | 282–2 | 1 | Clevis–Rod, Brake |
| 19 | 3234–13 | 2 | Screw–HWH |
| 20 | 32149–2 | 2 | Nut–Keps |
| 21 | 93–7039–01 | 1 | Bracket–Brake, Service |
| 22 | 93–7037 | 1 | Switch |
| 23 | 21–1830 | 1 | Spring–Extension |
| 24 | 283–1 | 1 | Pin–Clevis |
| 25 | 218–242 | 1 | Switch–Brake |
| 26 | 32144–1 | 2 | Screw–HH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 32127–11 | 2 | Nut–Flexlok |
| 28 | 93–9337 | 1 | Bracket–Switch |



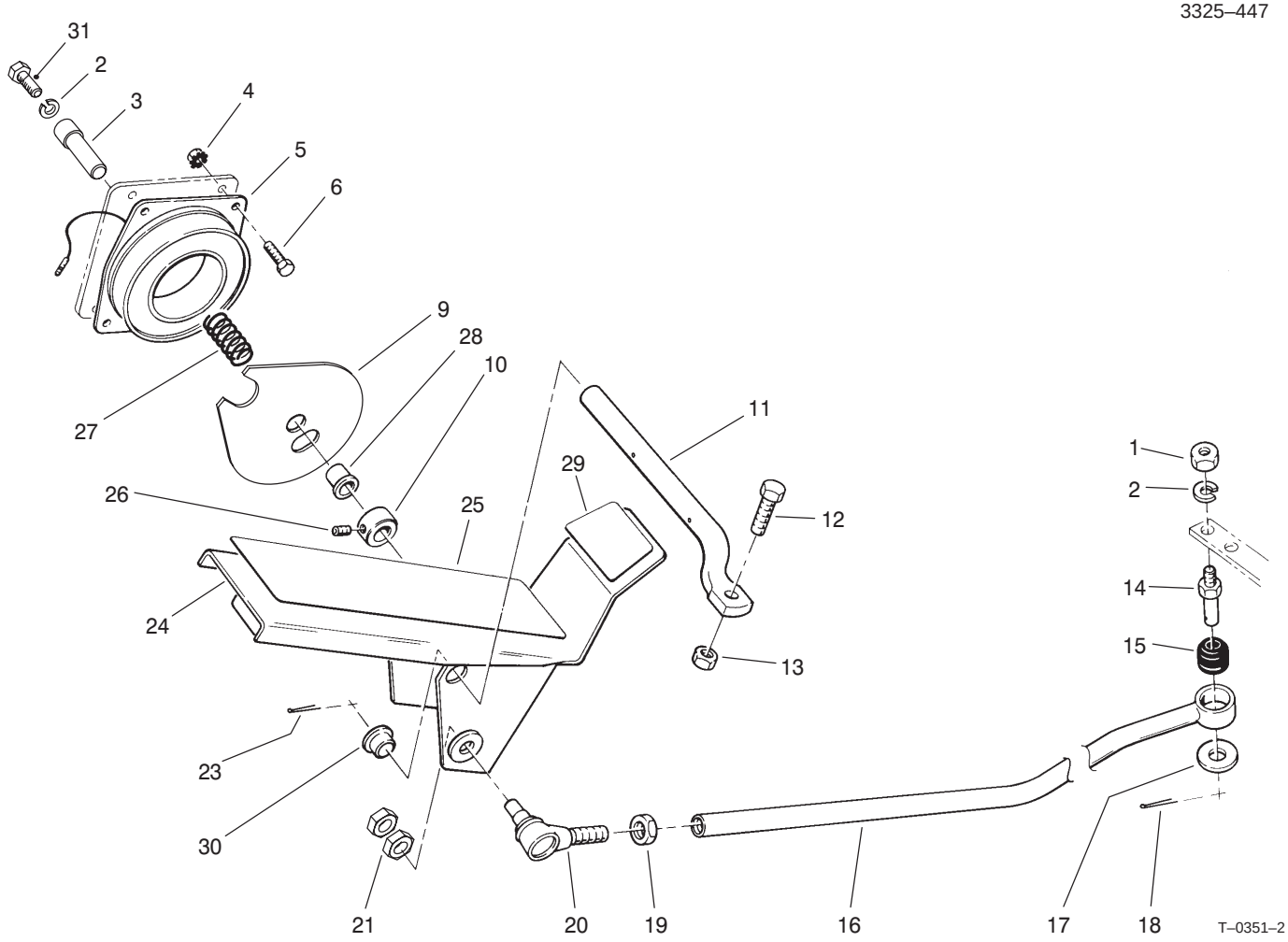

T–0384–1

# Brake System Master Cylinder No. 69–2640

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–2650 | 1 | Boot–Rod |
| 2 | 69–2660 | 1 | Ring–Retaining |
| †3 | | 1 | Seal–Lip |
| †4 | | 1 | Piston |
| †5 | | 1 | Protector–Cup |
| †6 | | 1 | Cup–Pumping |
| †7 | | 1 | Retainer–Cup |
| †8 | | 1 | Spring–Return, Piston |
| 9 | 69–2750 | 1 | Cover–Reservoir |
| 10 | 69–2760 | 1 | Gasket–Diaphragm |
| 11 | 69–2770 | 1 | Seat–Tube |
| 12 | 69–2740 | 1 | Bail–Cover |
| * | 69–2730 | 1 | Piston ASM (Incl. Ref. #3–8) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

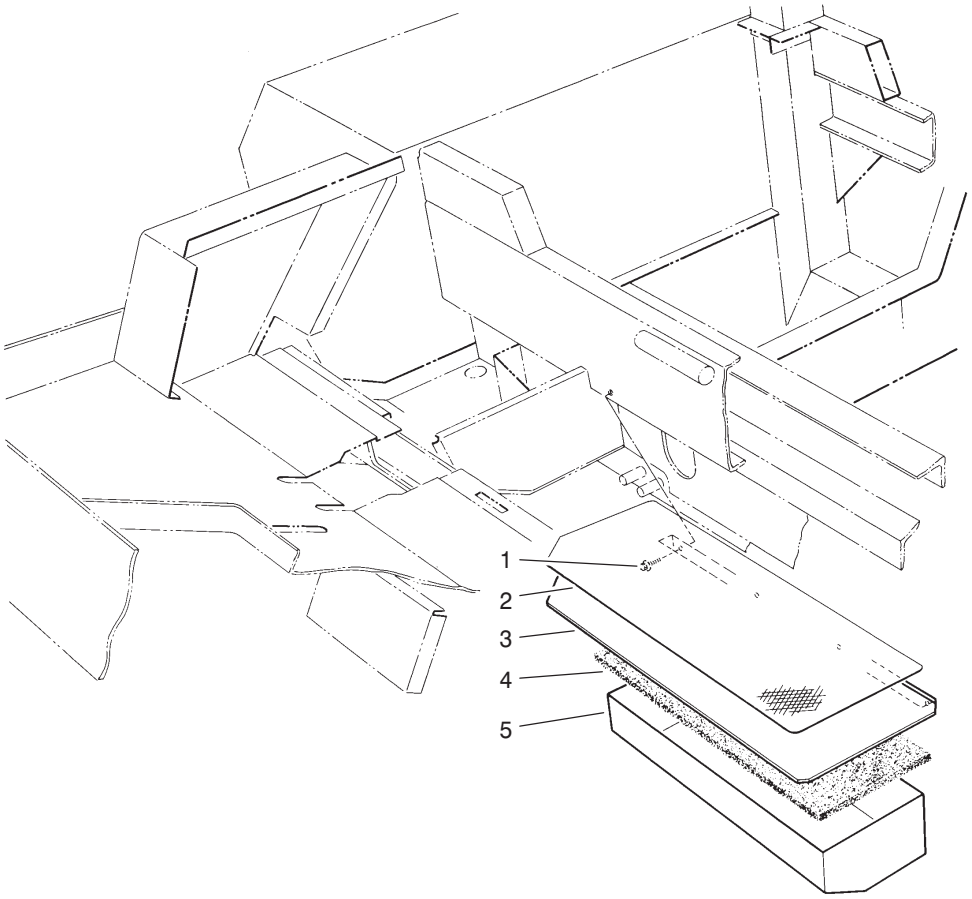
* Not Illustrated
† Not Serviceable Separately




# Traction Pedal and Cruise Control Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3217–7 | 1 | Nut–Lock |
| 2 | 3253–21 | 2 | Washer–Lock |
| 3 | 92–9701 | 1 | Shaft–Control, Cruise |
| 4 | 32149–2 | 4 | Nut–Keps |
| 5 | 100–8016 | 1 | Field Core Coil ASM |
| 6 | 321–3 | 4 | Screw–HH |
| 9 | 99–5348 | 1 | Plate–Clutch |
| 10 | 43–6320 | 1 | Collar–Locking |
| 11 | 69–9390 | 1 | Shaft–Pedal |
| 12 | 3234–14 | 1 | Screw–HH |
| 13 | 32128–20 | 1 | Nut–HHF |
| 14 | 69–9030 | 1 | Post–Device, Neutral |
| 15 | 23–2270 | 1 | Bushing–Rubber |
| 16 | 74–2700–03 | 1 | Rod–Control |
| 17 | 3256–6 | 1 | Washer–Flat |
| 18 | 3272–10 | 1 | Pin–Cotter |
| 19 | 3220–5–01 | 1 | Nut–Jam |
| 20 | 21–0141–03 | 1 | Joint–Ball |
| 21 | 3220–3 | 2 | Nut–Jam |
| 23 | 3272–7 | 2 | Pin–Cotter |
| 24 | 99–5347–01 | 1 | Pedal–Traction |
| 25 | 71–0440 | 1 | Abrasive–Pedal, Front |
| 26 | 3245–32 | 1 | Screw–Set |
| 27 | 43–6200 | 1 | Spring–Compression |
| 28 | 256–273 | 1 | Bushing–Flange |
| 29 | 71–0450 | 1 | Abrasive–Pedal, Rear |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 30 | 256–156 | 2 | Bushing–Flange |
| 31 | 323–6 | 1 | Screw–HH |

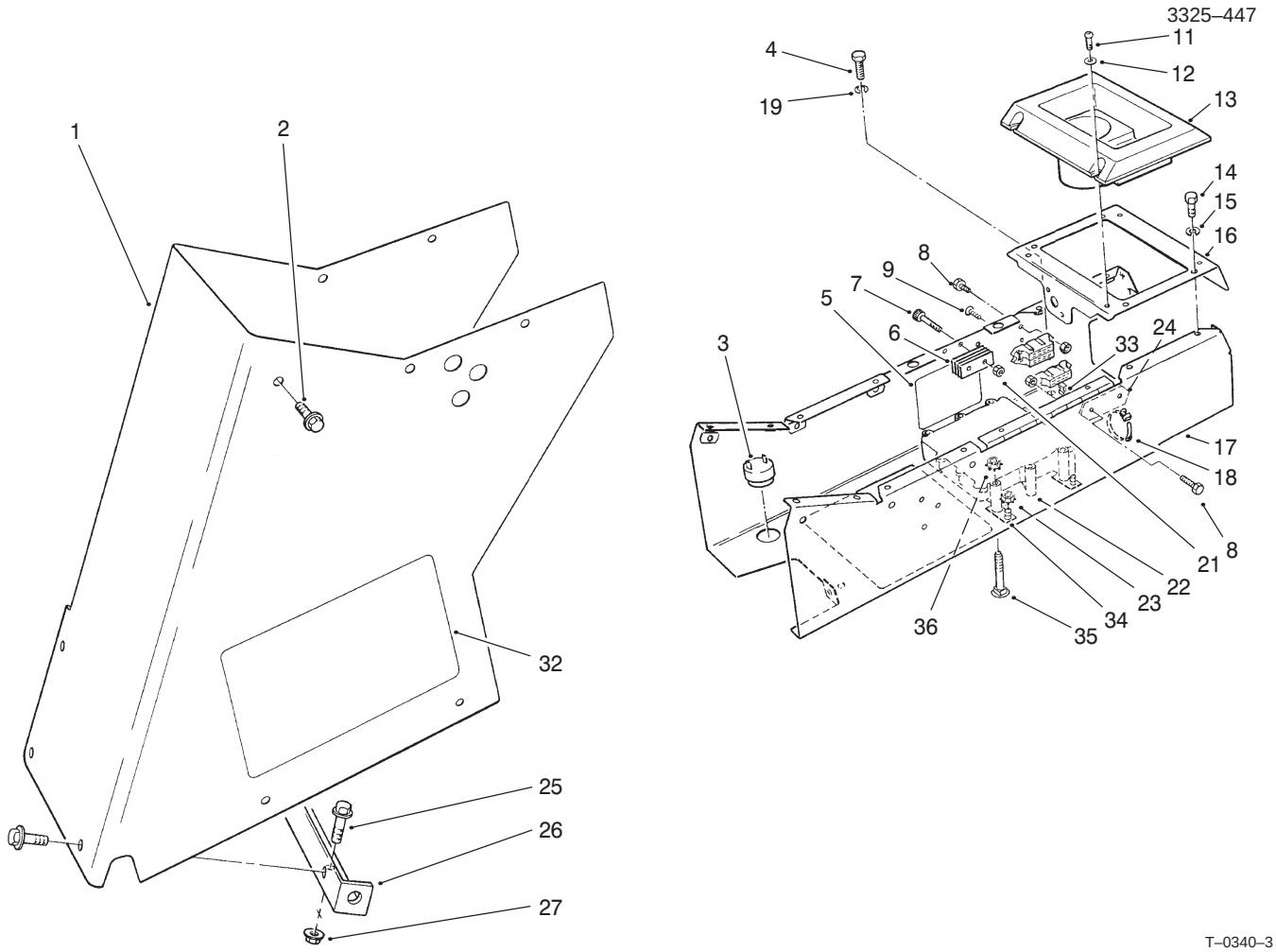



T–0876–1

# Tool Box Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3234–14 | 4 | Screw–HFH |
| 2 | 71–0410 | 1 | Cover–Abrasive |
| 3 | 69–8080–01 | 1 | Cover–Box, Tool |
| 4 | 69–9430 | 1 | Foam–Box, Tool |
| 5 | 69–8110–03 | 1 | Box–Tool |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

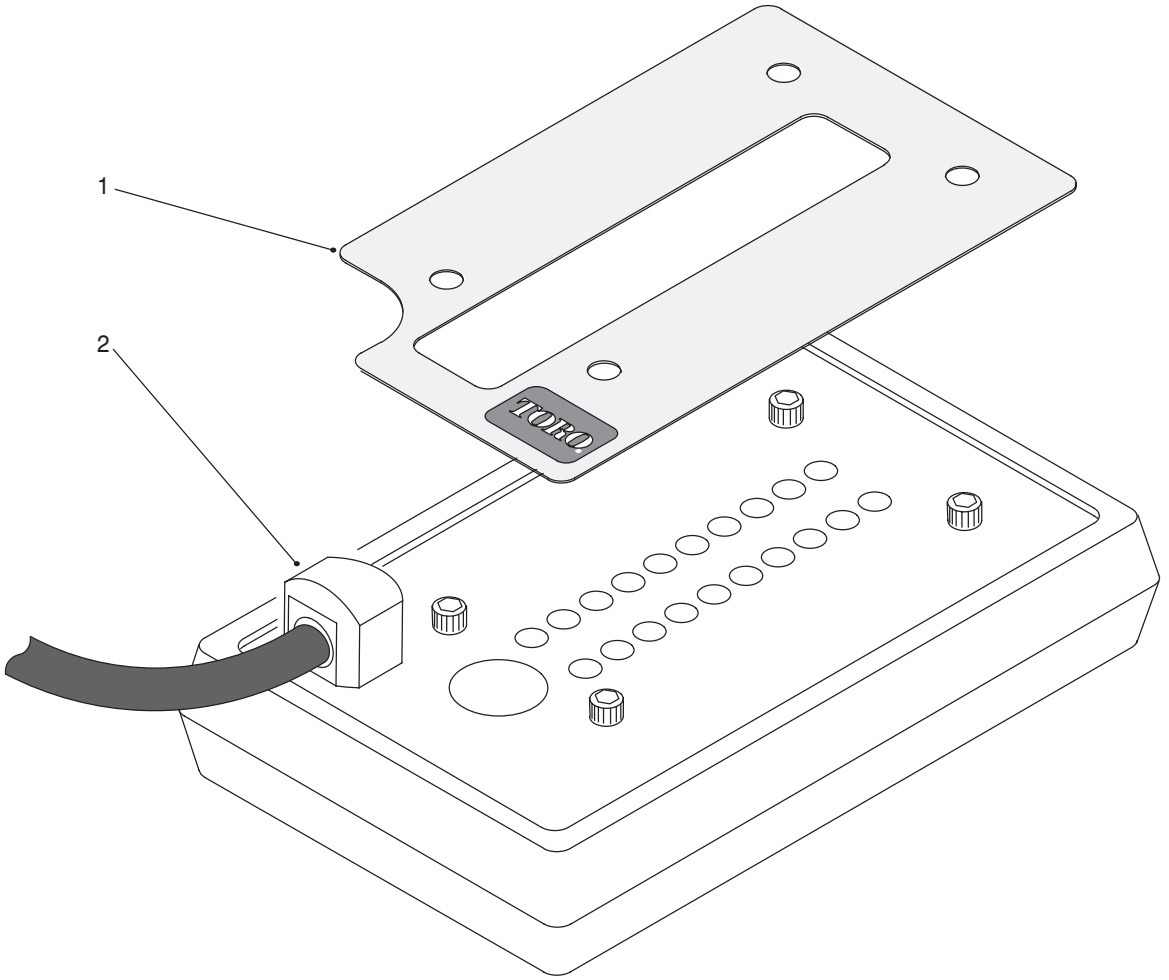



# Control Box Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–9560–01 | 1 | Housing–Control |
| 2 | 3234–7 | 11 | Screw–HWH |
| 3 | 80–9330 | 1 | Alarm–Audio |
| 4 | 323–4 | 4 | Screw–HH |
| 5 | 98–1487 | 1 | Decal–Fuse |
| 6 | 69–6260 | 1 | Magnet |
| 7 | 32105–12 | 2 | Screw–HSH |
| 8 | 32105–13 | 4 | Screw–HH |
| 11 | 3290–133 | 4 | Screw–Head, Round |
| 12 | 3256–22 | 4 | Washer–Flat |
| 13 | 69–7040 | 1 | Holder–Cup |
| 14 | 321–3 | 4 | Screw–HH |
| 15 | 3253–3 | 4 | Washer–Lock |
| 16 | 71–2430–03 | 1 | Plate–Rear |
| 17 | 71–4130 | 1 | Support–Control |
| 18 | 3290–378 | 2 | Tie–Cable |
| 19 | 3253–21 | 4 | Washer–Lock |
| 21 | 3296–2 | 6 | Nut–Lock |
| 22 | 92–5720 | 1 | Controller |
| 23 | 32149–7 | 3 | Nut–Keps |
| 24 | 67–7160 | 4 | Block–Fuse |
| 25 | 3234–14 | 2 | Screw–HH |
| 26 | 69–8210–03 | 1 | Support–Cover |
| 27 | 32128–20 | 2 | Nut–HHF |
| 32 | 99–4416 | 1 | Decal–Service |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 32 | 95–0832 | 1 | Decal–Service (Europe) |
| 33 | 218–581 | 6 | Fuse–15A |
| 34 | 92–8661 | 3 | Tab |
| 35 | 3229–8 | 3 | Bolt–CARR |
| 36 | 32149–2 | 3 | Nut–Keps |
| 37 | 85–4491 | 1 | Holder–Indicator, Light (Incl. Ref. #38–40) |
| 38 | 219–19 | 1 | Bulb |
| 39 | 3220–24 | 1 | Nut–Hex |
| 40 | 3254–6 | 1 | Washer–Lock, Int. Tooth |
| * | | 1 | Wire Harness ASM (Incl. Ref. #24) |
| * | 218–573 | 1 | Fuse–5A |
| * | 3290–378 | 25 | Tie–Cable |

* Not Illustrated

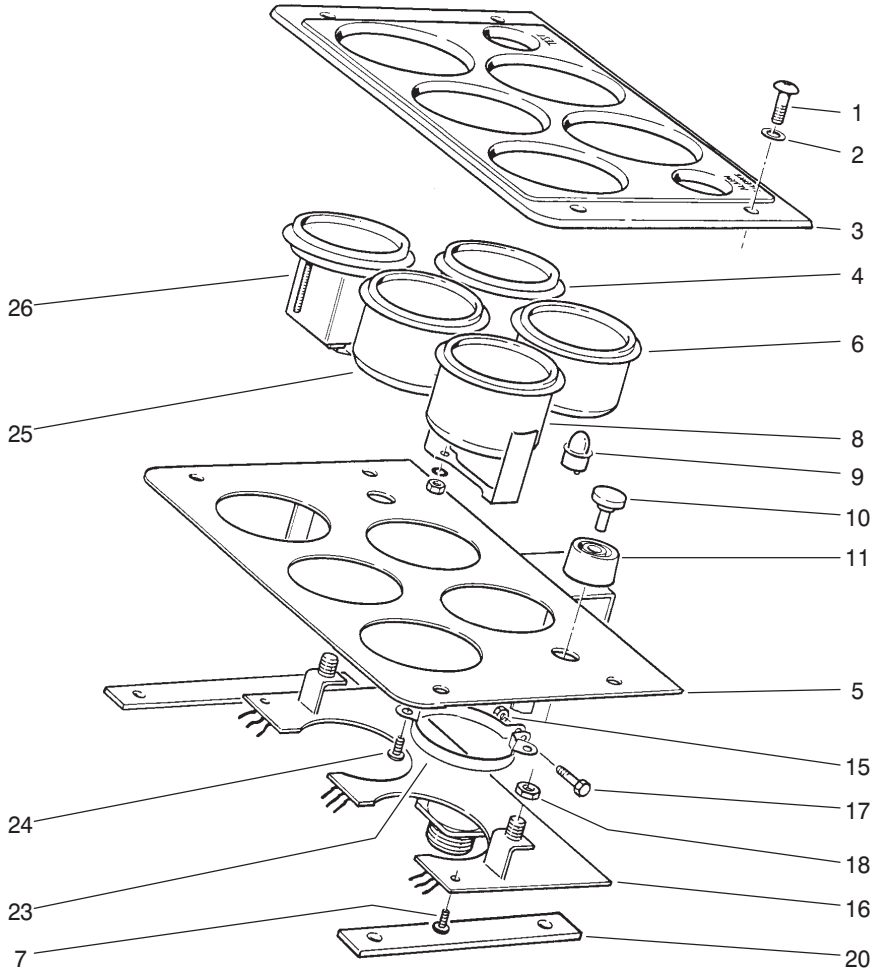



T–1548–1

# Diagnostic Display Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 95–0834 | 1 | Decal–Diagnostic V2.0 GM 580D |
| 2 | 85–4750 | 1 | Display–Diagnostic |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

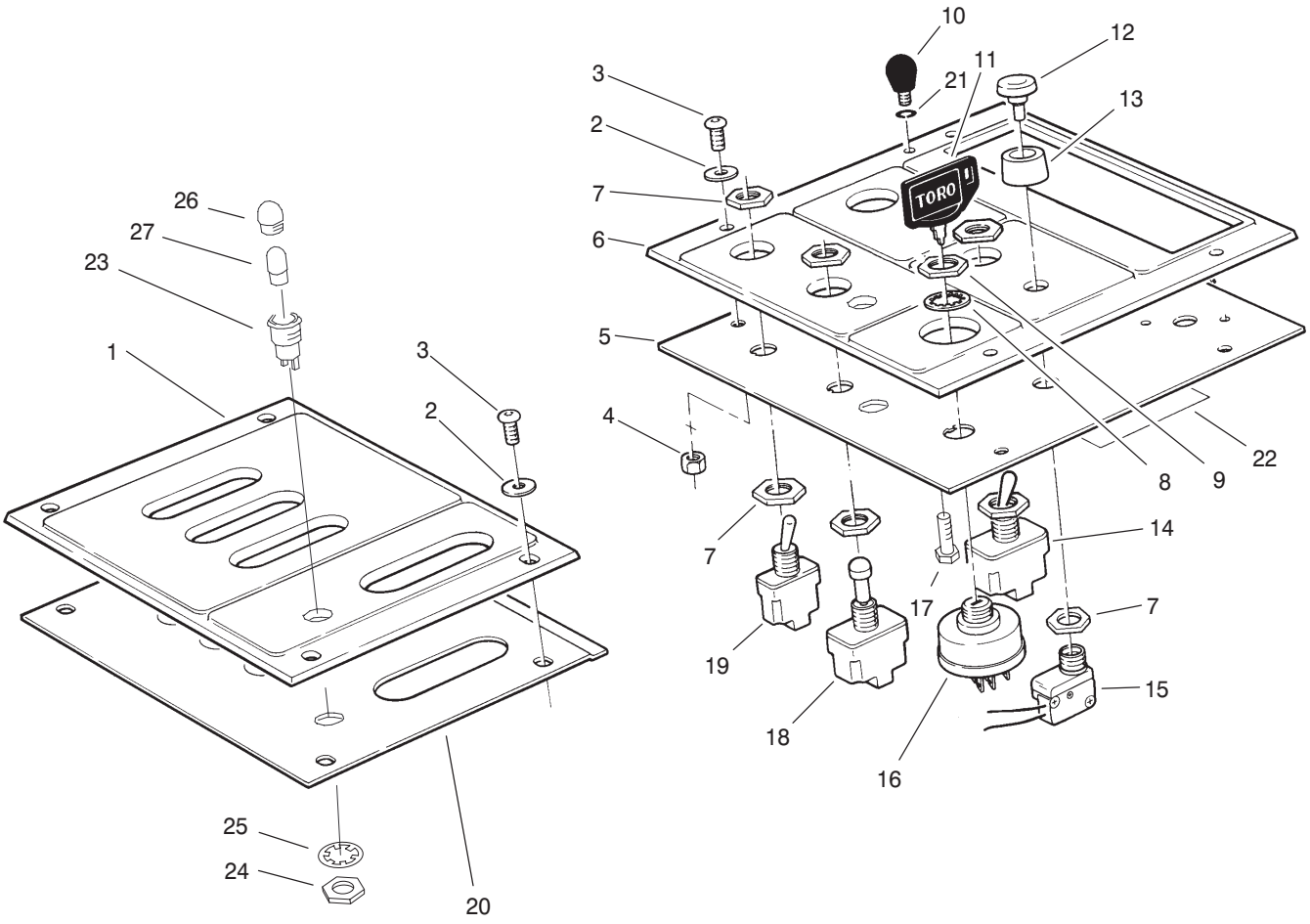



T–1448–1

# Upper Control Panel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3290–133 | 4 | Screw–Head, Round |
| 2 | 3256–23 | 4 | Washer |
| 3 | 95–0827 | 1 | Panel |
| 4 | 71–4210 | 1 | Cluster–Light, Warning |
| 5 | 86–7410–03 | 1 | Plate–Gage |
| 6 | 71–4200 | 1 | Cluster–Light, Warning |
| 7 | 32104–16 | 4 | Screw–Tapping |
| 8 | 63–7430 | 1 | Gauge–Temperature |
| 9 | 219–17 | 8 | Bulb–Light |
| 10 | 43–6280 | 2 | Button |
| 11 | 43–6420 | 2 | Bezel |
| 15 | 3296–2 | 2 | Nut–Lock |
| 16 | 92–1771 | 1 | Board–Instrument |
| 17 | 32105–1 | 2 | Screw–HH |
| 18 | 218–498 | 2 | Nut |
| 20 | 71–4250–03 | 2 | Spacer |
| 23 | 69–4780 | 2 | Clamp–Gauge |
| 24 | 32144–19 | 4 | Screw–Head, Round |
| 25 | 66–2940 | 1 | Gauge–Fuel |
| 26 | 66–2950 | 1 | Hourmeter |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

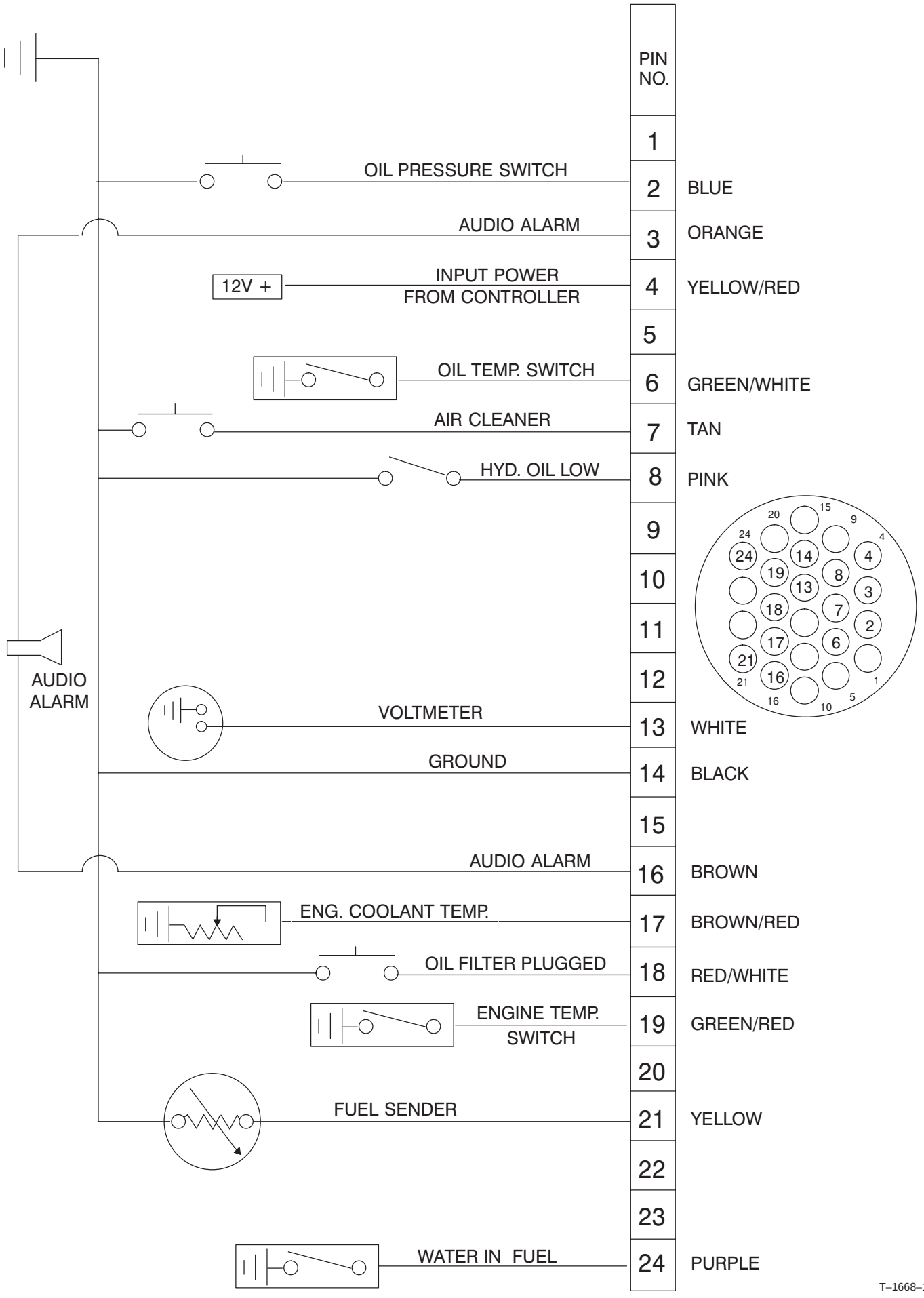



# Lower Control Panel Assembly

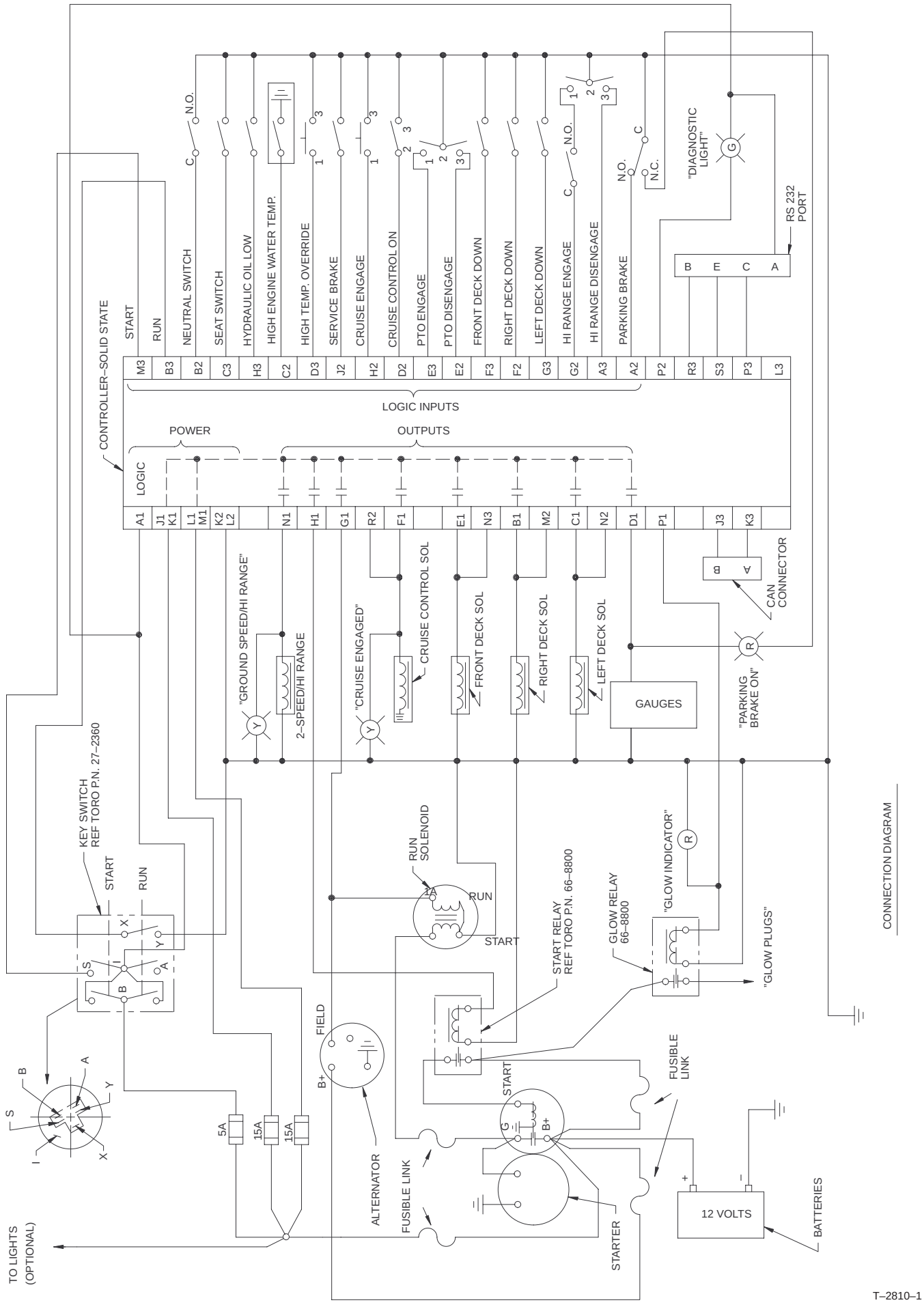
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 100–3394 | 1 | Panel–Lever |
| 2 | 3256–22 | 8 | Washer–Flat |
| 3 | 3290–133 | 8 | Screw–Head, Round |
| 4 | 3296–42 | 4 | Nut–Lock |
| 5 | 100–3392–03 | 1 | Plate–Control |
| 6 | 100–3395 | 1 | Panel–Control |
| 7 | 218–498 | 10 | Nut–Hex |
| 8 | 218–447 | 1 | Washer–Lock |
| 9 | 218–446 | 1 | Nut–Hex |
| 10 | 233–66 | 1 | Knob |
| 11 | 63–8360 | 1 | Key–Ignition |
| 12 | 43–6280 | 2 | Button |
| 13 | 43–6420 | 2 | Bezel |
| 14 | 69–9740 | 1 | Switch–Toggle (Incl. Ref. #7) |
| 15 | 72–9760 | 2 | Switch (Incl. Ref. #7, 12 & 13) |
| 16 | 99–2319 | 1 | Switch–Ignition (Incl. Ref. #8 & 9) |
| 17 | 3290–392 | 1 | Screw–HH |
| 18 | 69–9730 | 1 | Switch–Toggle (Incl. Ref. #7) |
| 19 | 71–4170 | 1 | Switch–Toggle (Incl. Ref. #7) |
| 20 | 100–3393–03 | 1 | Plate–Lever |
| 21 | 3253–15 | A/R | Washer–Lock |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 95–0831 | 1 | Decal–Fuse |
| 23 | 44–2210 | 1 | Kit–Light (Incl. Ref. #24–27) |
| 24 | 218–535 | 1 | Nut–Hex |
| 25 | 218–536 | 1 | Washer–Lock |
| 26 | 218–533 | 1 | Lens–Red |
| 27 | 93–7480 | 1 | Bulb–LED |

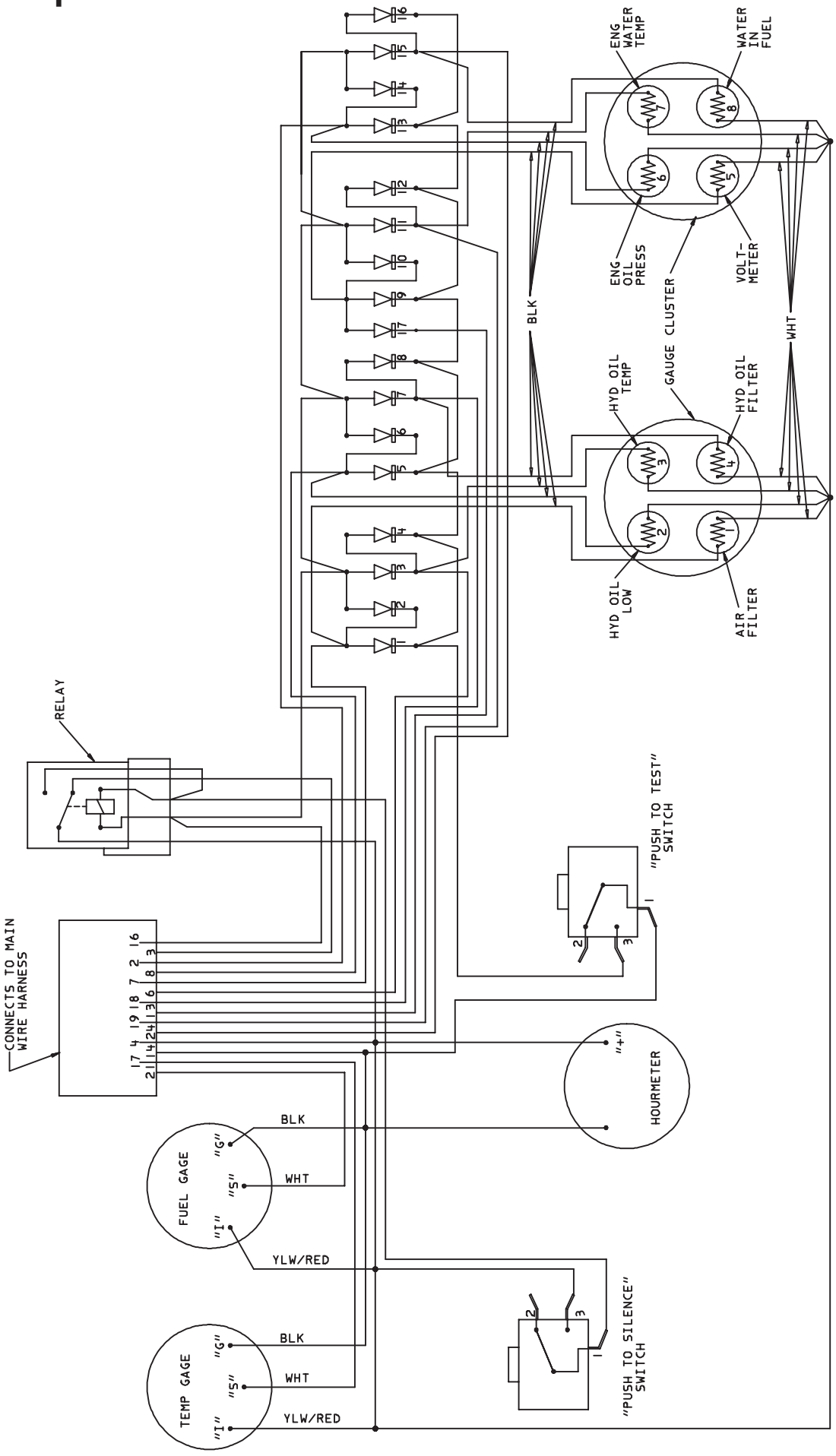
# Electrical Schematic



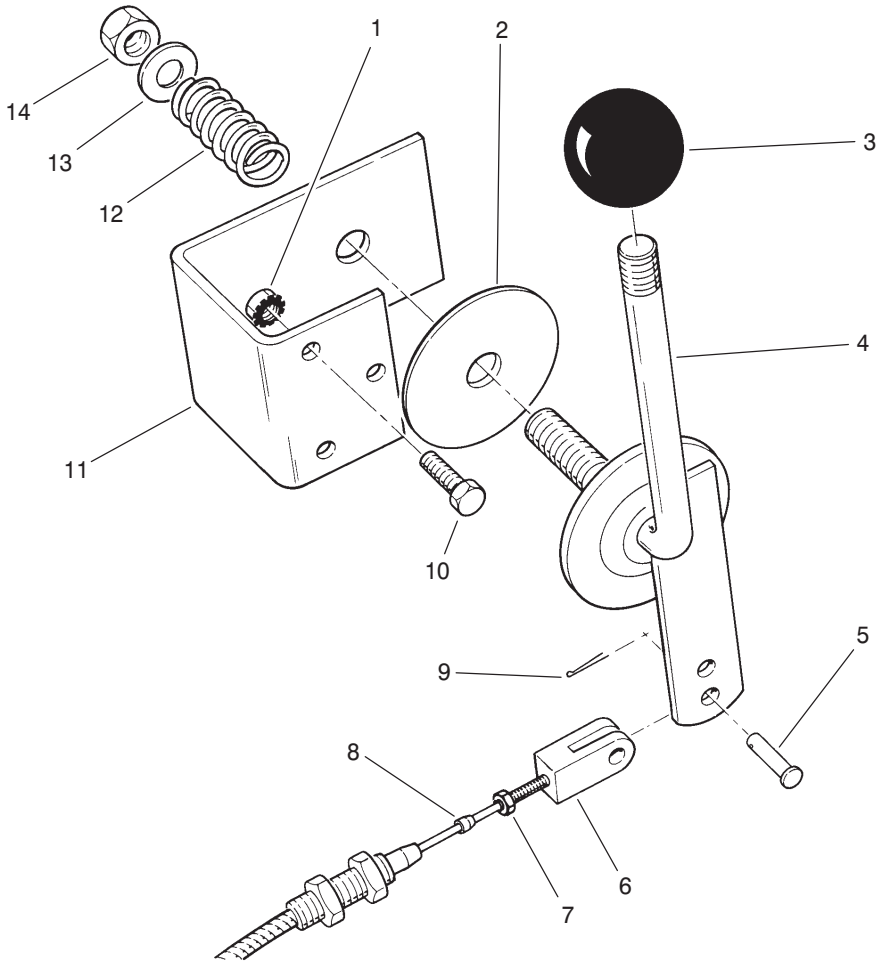
# Controller Electrical Schematic



# Operators Control Panel Electrical Schematic




T–1655–1



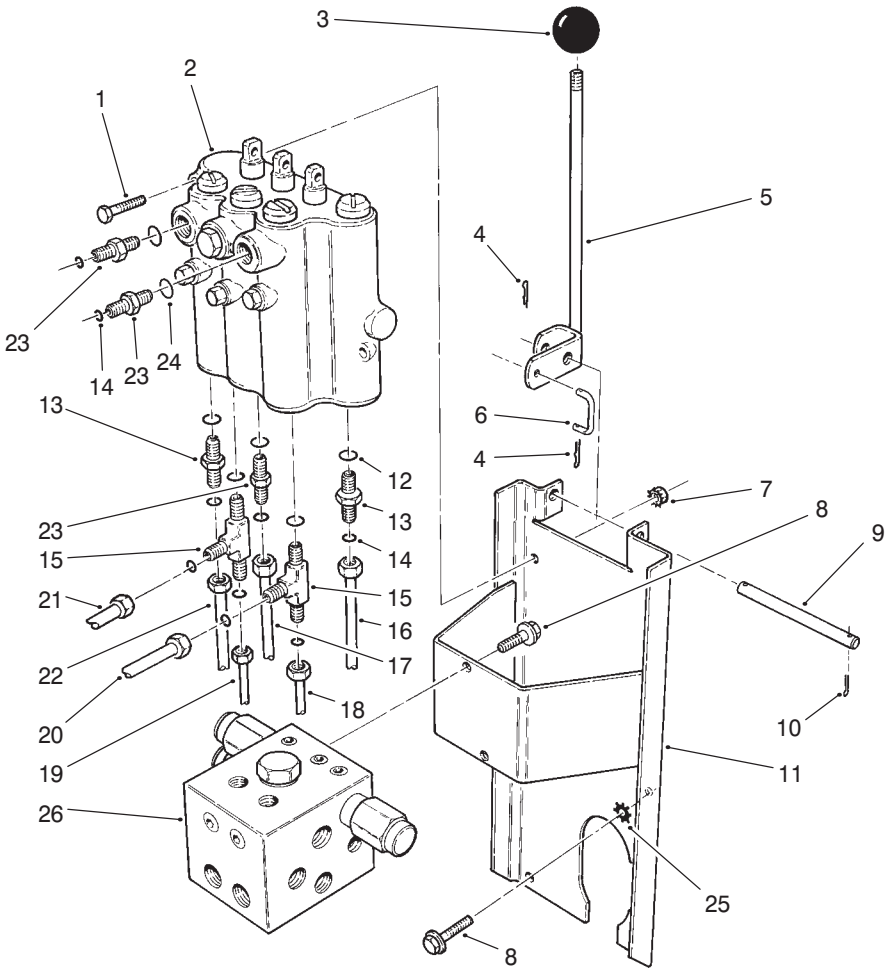

T–0352–1

# Throttle Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3296–42 | 3 | Nut–Lock |
| 2 | 3–2858 | 1 | Disc–Friction |
| 3 | 233–48 | 1 | Knob |
| 4 | 69–8040 | 1 | Arm–Throttle |
| 5 | 283–67 | 1 | Pin–Clevis, Arm End |
| * | 69–0090 | 1 | Pin–Clevis, Engine End |
| 6 | 282–28 | 2 | Clevis–Adjustable |
| 7 | 3219–14 | 2 | Nut–Hex |
| 8 | 77–2990 | 1 | Cable–Throttle |
| 9 | 3272–1 | 3 | Pin–Cotter |
| 10 | 321–3 | 3 | Screw–HH |
| 11 | 69–9130–01 | 1 | Bracket–Throttle |
| 12 | 3–8596 | 1 | Spring–Compression |
| 13 | 3256–26 | 1 | Washer–Flat |
| 14 | 3296–23 | 1 | Nut–Lock |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



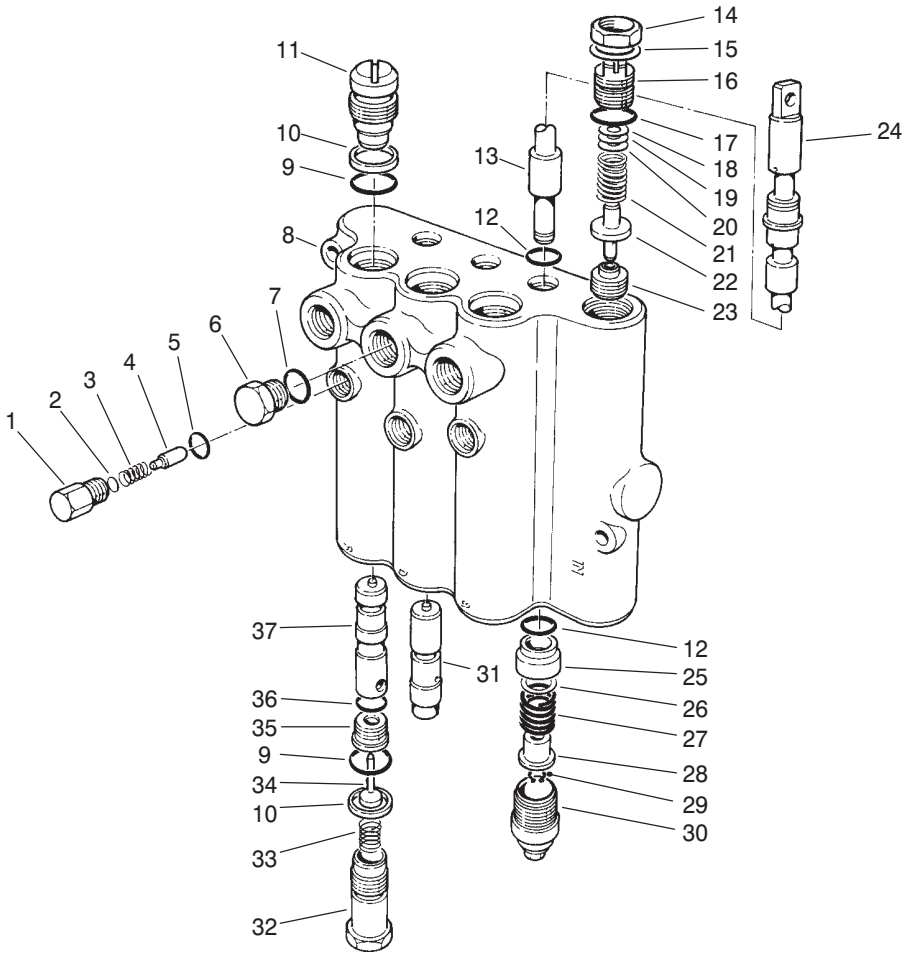

T–0355–1

# Lift Valve Installation Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 321–10 | 2 | Screw–HH |
| 2 | 69–1780 | 1 | Lift Valve ASM |
| 3 | 233–42 | 3 | Knob |
| 4 | 3272–1 | 6 | Pin–Cotter |
| 5 | 69–7010 | 1 | Lever–Valve, LH |
| * | 69–6990 | 1 | Lever–Valve, Midddle |
| * | 69–7000 | 1 | Lever–Valve, RH |
| 6 | 69–9140 | 3 | Link–Lever, Valve |
| 7 | 32149–2 | 2 | Nut–Keps |
| 8 | 3234–14 | 6 | Screw–HFH |
| 9 | 69–9150 | 1 | Shaft–Lever, Valve |
| 10 | 3272–6 | 2 | Pin–Cotter |
| 11 | 69–7810–03 | 1 | Bracket–Valve |
| 12 | 237–79 | 2 | O–Ring |
| 13 | 340–3 | 2 | Fitting–Straight, Hydraulic (Incl. Ref. #12 & 14) |
| 14 | 237–22 | 9 | O–Ring |
| 15 | 340–86 | 2 | Fitting–Tee, Hydraulic (Incl. Ref. #14 & 24) |
| 16 | 69–5860 | 1 | Tube–Hydraulic |
| 17 | 69–5720 | 1 | Tube–Hydraulic |
| 18 | 69–5700 | 1 | Tube–Hydraulic |
| 19 | 69–5740 | 1 | Tube–Hydraulic |
| 20 | 69–5680 | 1 | Tube–Hydraulic |
| 21 | 69–5890 | 1 | Tube–Hydraulic |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 69–5870 | 1 | Tube–Hydraulic |
| 23 | 340–2 | 3 | Fitting–Straight, Hydraulic (Incl. Ref. #14 & 24) |
| 24 | 237–42 | 5 | O–Ring |
| 25 | 3254–6 | 1 | Washer–Lock |
| 26 | 95–5907 | 1 | Counterbalance Manifold ASM |

* Not Illustrated



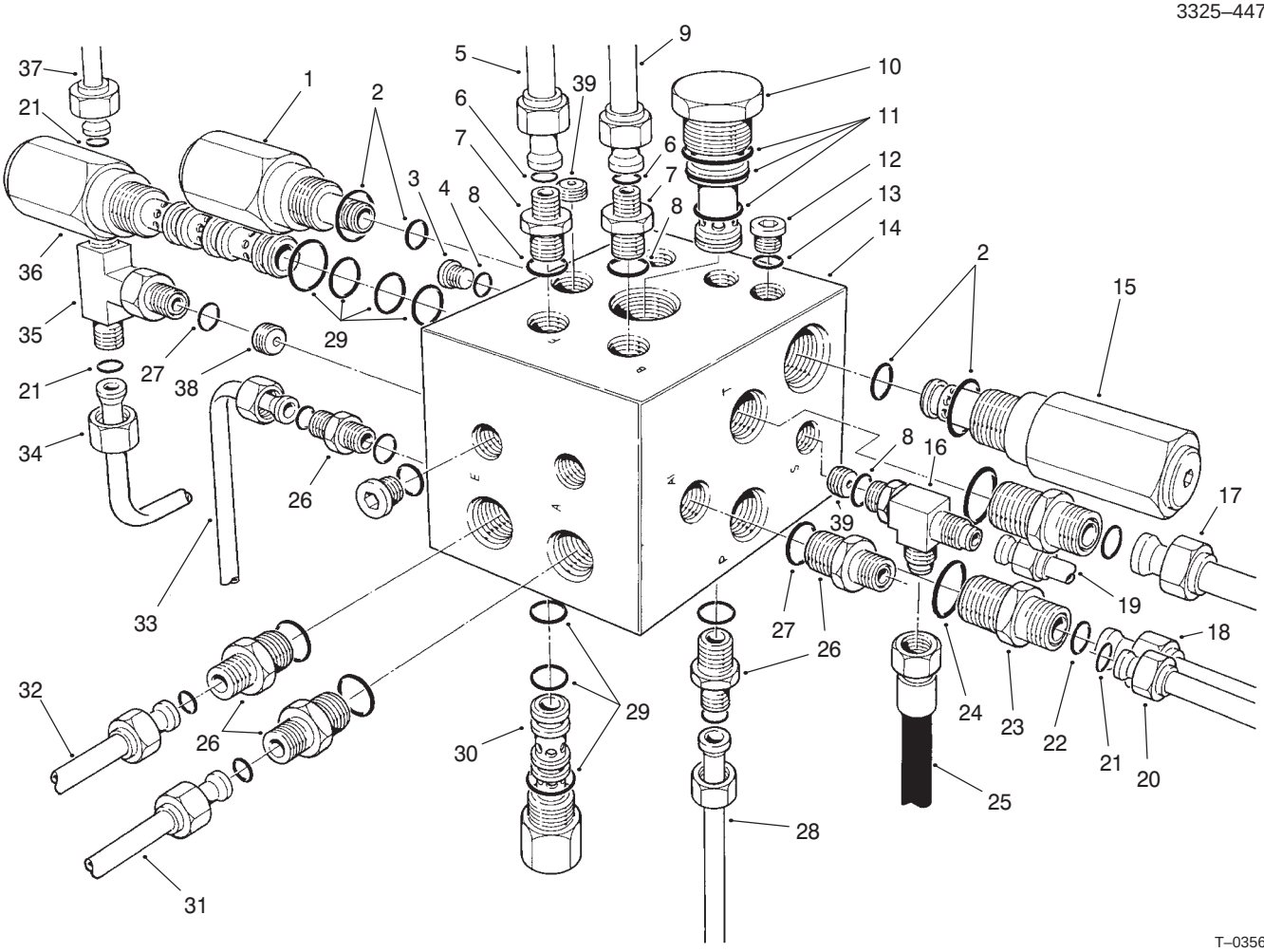

T–0379–1

# Lift Valve Assembly No. 69–1780

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 58–6780 | 3 | Plug ASM (Incl. Ref. #5) |
| 2 | 60–6450 | A/R | Disc |
| 3 | 58–6760 | 3 | Spring |
| 4 | 58–6770 | 3 | Plunger–Detent |
| 5 | 58–6790 | 3 | O–Ring |
| 6 | 58–6710 | 1 | Plug ASM (Incl. Ref. #7) |
| 7 | 58–6720 | 1 | O–Ring |
| †8 | | 1 | Body |
| 9 | 60–5720 | 6 | O–Ring |
| 10 | 58–6370 | 6 | Washer–Back–Up |
| 11 | 58–6350 | 3 | Plug ASM (Incl. Ref. #9–10) |
| 12 | 58–6450 | 6 | O–Ring |
| †13 | | 3 | Spool |
| 14 | | 1 | Nut–Lock |
| 15 | | 1 | Washer |
| 16 | 69–1830 | 1 | Plug ASM (Incl. Ref.#14, 15 & 17) |
| 17 | 58–6750 | 1 | O–Ring |
| 18 | 58–6470 | A/R | Washer |
| 19 | 58–6480 | A/R | Washer |
| 20 | 58–6490 | A/R | Washer |
| 21 | 69–1820 | 1 | Spring–Black |
| 22 | 58–6440 | 1 | Poppet |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| †23 | | 1 | Seat |
| 24 | 58–6320 | 3 | Wiper–Seal |
| 25 | 58–6400 | 3 | Bushing |
| 26 | 58–6700 | 3 | Washer |
| 27 | 58–6730 | 3 | Spring |
| 28 | 58–6310 | 3 | Spacer |
| 29 | 58–6460 | 3 | Ring–Retaining |
| 30 | 58–6420 | 3 | Cap ASM |
| 31 | 69–1840 | 1 | Plunger |
| 32 | 69–1800 | 3 | Plug ASM (Incl. Ref. #9–10) |
| 33 | 69–1810 | 3 | Spring |
| 34 | 58–6290 | 3 | Poppet ASM |
| 35 | 58–6330 | 3 | Seat ASM (Incl. Ref. #36) |
| 36 | 58–6340 | 3 | O–Ring |
| 37 | 69–1790 | 2 | Plunger |
| * | 60–3780 | 1 | Kit–Seal (Incl. Ref. #5, 7, 9, 10,12,17, 24, 29, 34, & 36) |

* Not Illustrated
† Not Serviceable Seperately

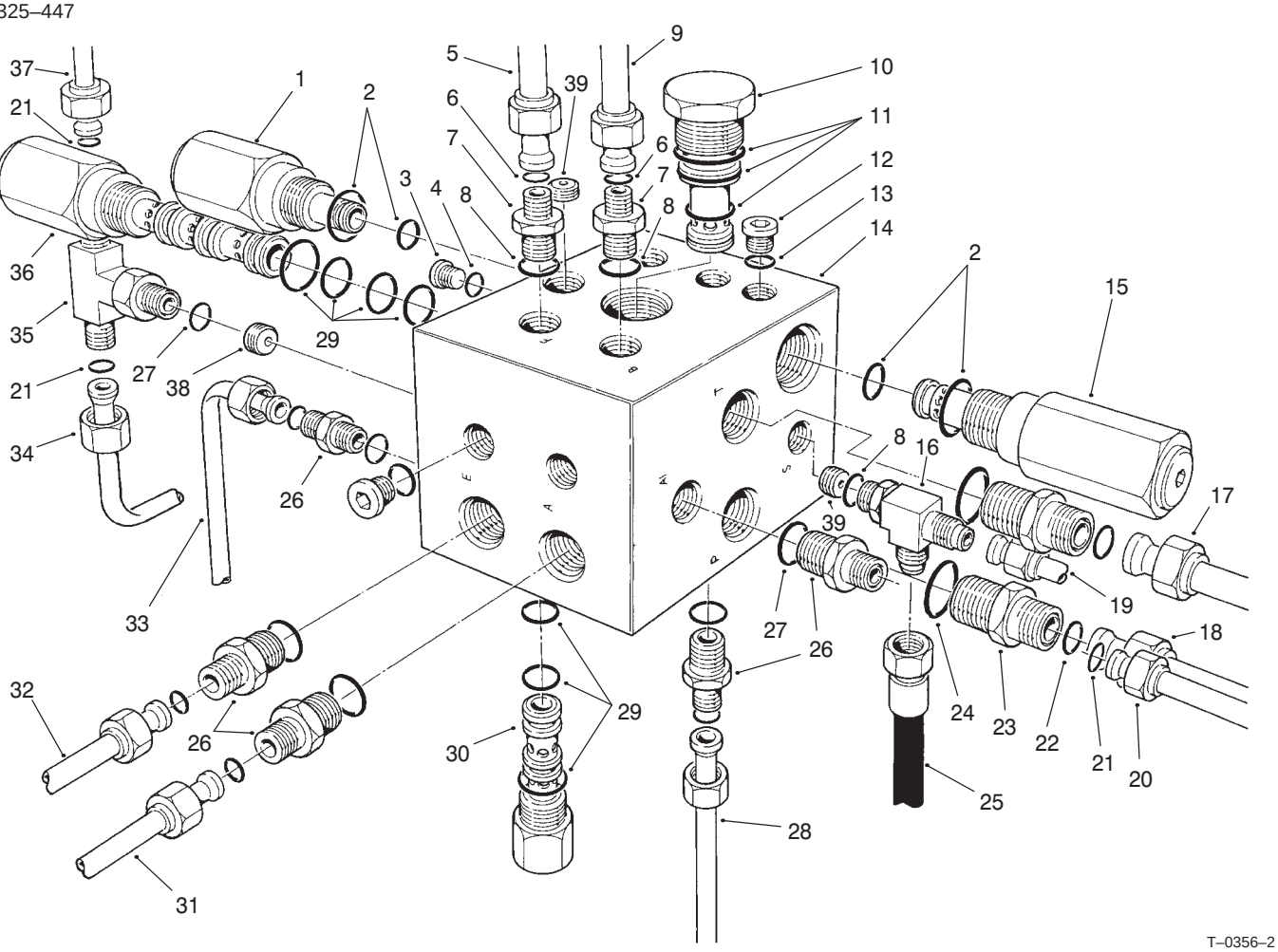



T–0356–2

# Counterbalance Manifold Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 95–5630 | 1 | Valve–Cartridge, Hydraulic (Incl. Ref. # 2) |
| 2 | 95–5645 | 2 | Kit–Seal |
| 3 | 353–990 | 2 | Plug–Hose (Incl. Ref. #4) |
| 4 | 237–78 | 2 | O–Ring |
| 5 | 69–5890 | 1 | Tube–Hydraulic |
| 6 | 237–21 | 2 | O–Ring |
| 7 | 340–92 | 2 | Fitting–Hydraulic Straight (Incl. Ref. #6 & 8) |
| 8 | 237–78 | 3 | O–Ring |
| 9 | 69–5680 | 1 | Tube–Hydraulic |
| 10 | 95–5634 | 1 | Valve–Cartridge, Hydraulic (Incl. Ref. #11) |
| 11 | 95–5641 | 1 | Kit–Seal |
| 12 | 353–991 | 8 | Plug–Hole (Incl. Ref. #13) |
| 13 | 237–156 | 8 | O–Ring |
| 14 | 69–4070 | 1 | Manifold–Balance, Counter |
| 15 | 95–5632 | 1 | Valve–Cartridge, Hydraulic (Incl. Ref. #2) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 16 | 353–566 | 1 | Tee–Hydraulic (Incl. Ref. #8) |
| 17 | 92–4967 | 1 | Tube–Hydraulic |
| 18 | 69–5850 | 1 | Tube–Hydraulic |
| 19 | 69–5910 | 1 | Tube–Hydraulic |
| 20 | 69–5710 | 1 | Tube–Hydraulic |
| 21 | 237–22 | 7 | O–Ring |
| 22 | 237–30 | 2 | O–Ring |
| 23 | 340–4 | 2 | Fitting–Straight, Hydraulic (Incl. Ref. #22 & 24) |
| 24 | 237–79 | 2 | O–Ring |
| 25 | 93–7192 | 1 | Hose–Hydraulic, Diagnostic |
| 26 | 340–2 | 5 | Fitting–Straight, Hydraulic (Incl. Ref. #21 & 27) |
| 27 | 237–42 | 6 | O–Ring |
| 28 | 69–5870 | 1 | Tube–Hydraulic |
| 29 | 95–5642 | 3 | Kit–Seal |
| 30 | 95–5633 | 2 | Valve–Cartridge, Hydraulic (Incl. Ref. #29) |
| 31 | 69–5820 | 1 | Tube–Hydraulic |
| 32 | 69–5830 | 1 | Tube–Hydraulic |
| 33 | 69–5730 | 1 | Tube–Hydraulic |



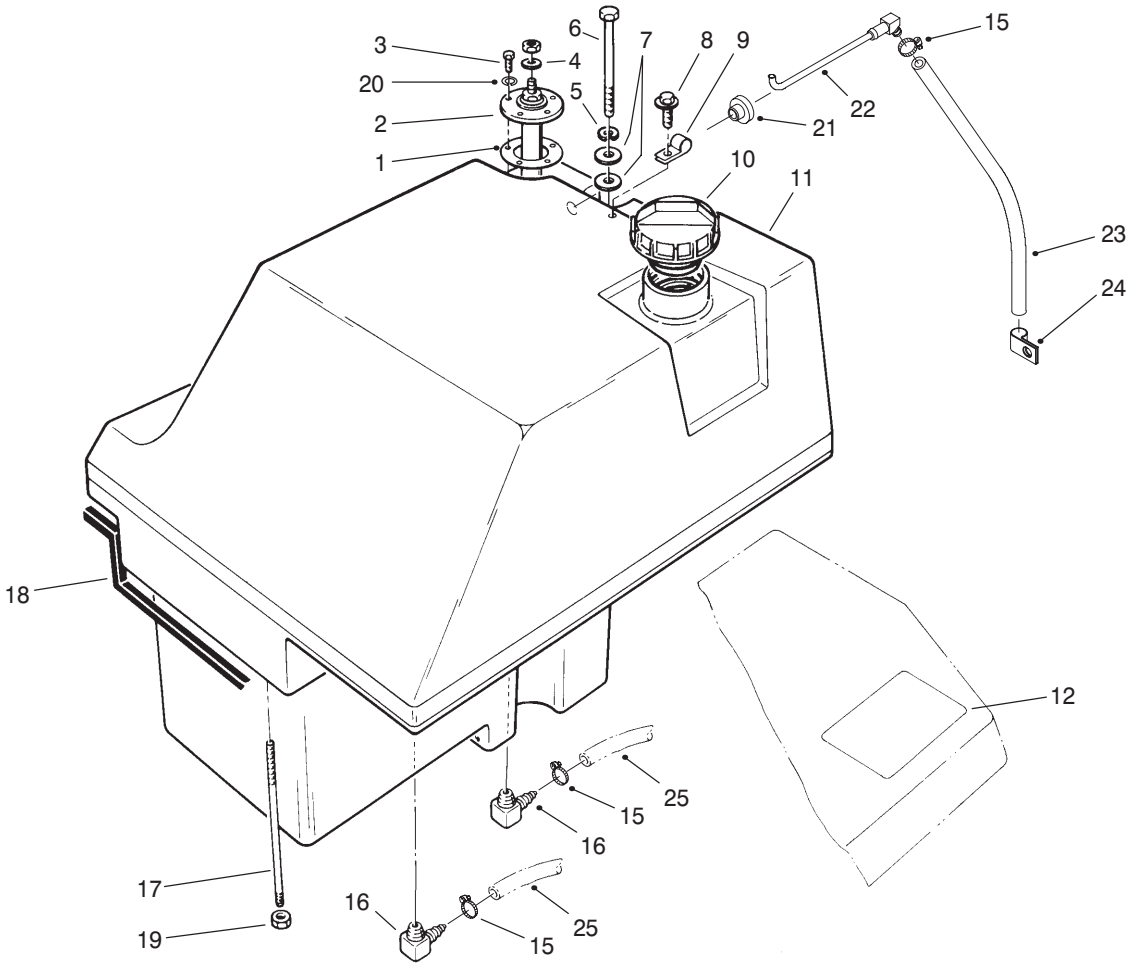

T–0356–2

# Counterbalance Manifold Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 34 | 69–5860 | 1 | Tube–Hydraulic |
| 35 | 340–94 | 1 | Tee–Hydraulic (Incl. Ref. #21 & 27) |
| 36 | 95–5631 | 1 | Valve–Cartridge, Hydraulic (Incl. Ref. #29) |
| 37 | 69–5920 | 1 | Tube–Hydraulic |
| * | 95–5907 | 1 | Manifold–Counterbalance (Incl. Ref. #1–4, 10–15, 29, 30 & 36) |
| 38 | 69–4140 | 1 | Plug–Orifice .120mm |
| 39 | 69–4130 | 2 | Plug–Orifice .047mm |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

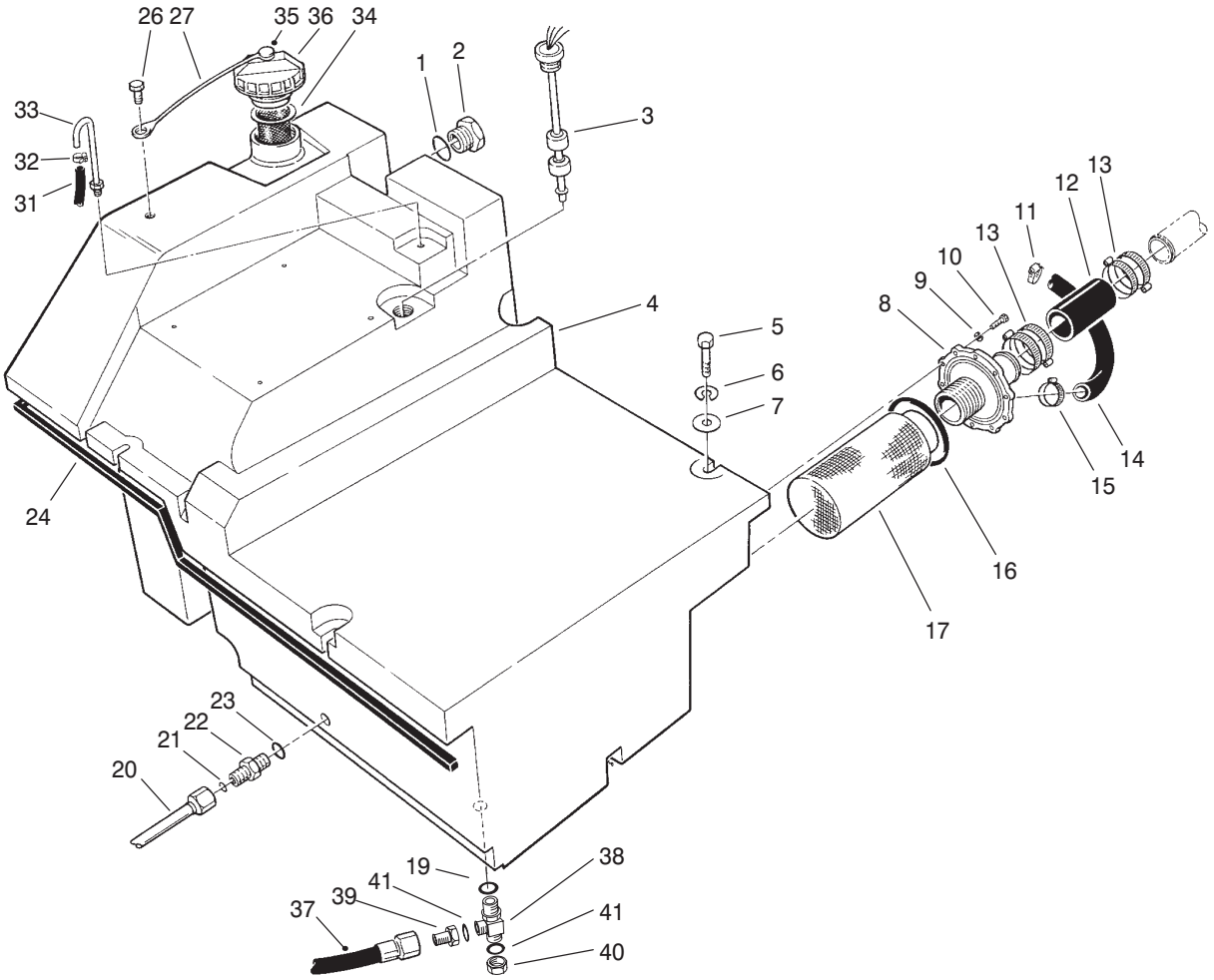



# Fuel Tank Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 62–7650 | 1 | Gasket–Sensing Unit, Level |
| 2 | 70–6990 | 1 | Level Sensing Unit ASM |
| 3 | 32122–24 | 5 | Screw–HH |
| 4 | 5–3637 | 1 | Spacer–Terminal |
| 5 | 3253–21 | 1 | Washer–Lock |
| 6 | 323–39 | 1 | Screw–HH |
| 7 | 3256–5 | 2 | Washer–Flat |
| 8 | 3234–13 | 1 | Screw–HWH |
| 9 | 2412–89 | 1 | Clamp–R |
| 10 | 93–3102 | 1 | Cap–Fuel |
| 11 | 94–2865 | 1 | Tank–Fuel |
| 12 | 95–0822 | 1 | Decal–Warning |
| 15 | 2412–108 | 3 | Clamp–Hose |
| 16 | 353–536 | 2 | Fitting–Fuel, 90° |
| 17 | 72–9550 | 1 | Stud–Tank, Fuel |
| 18 | 68–7572 | 1 | Strip–Sealing |
| 19 | 3296–39 | 1 | Nut–Lock |
| 20 | 3253–15 | 5 | Washer–Lock |
| 21 | 46–6560 | 1 | Bushing |
| 22 | 94–3310 | 1 | Tube–Vent |
| 23 | 94–3311 | 1 | Hose–Fuel |
| 24 | 2412–138 | 1 | Clamp–R |
| 25 | 37–9560 | 2 | Hose–Fuel |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

3325–447

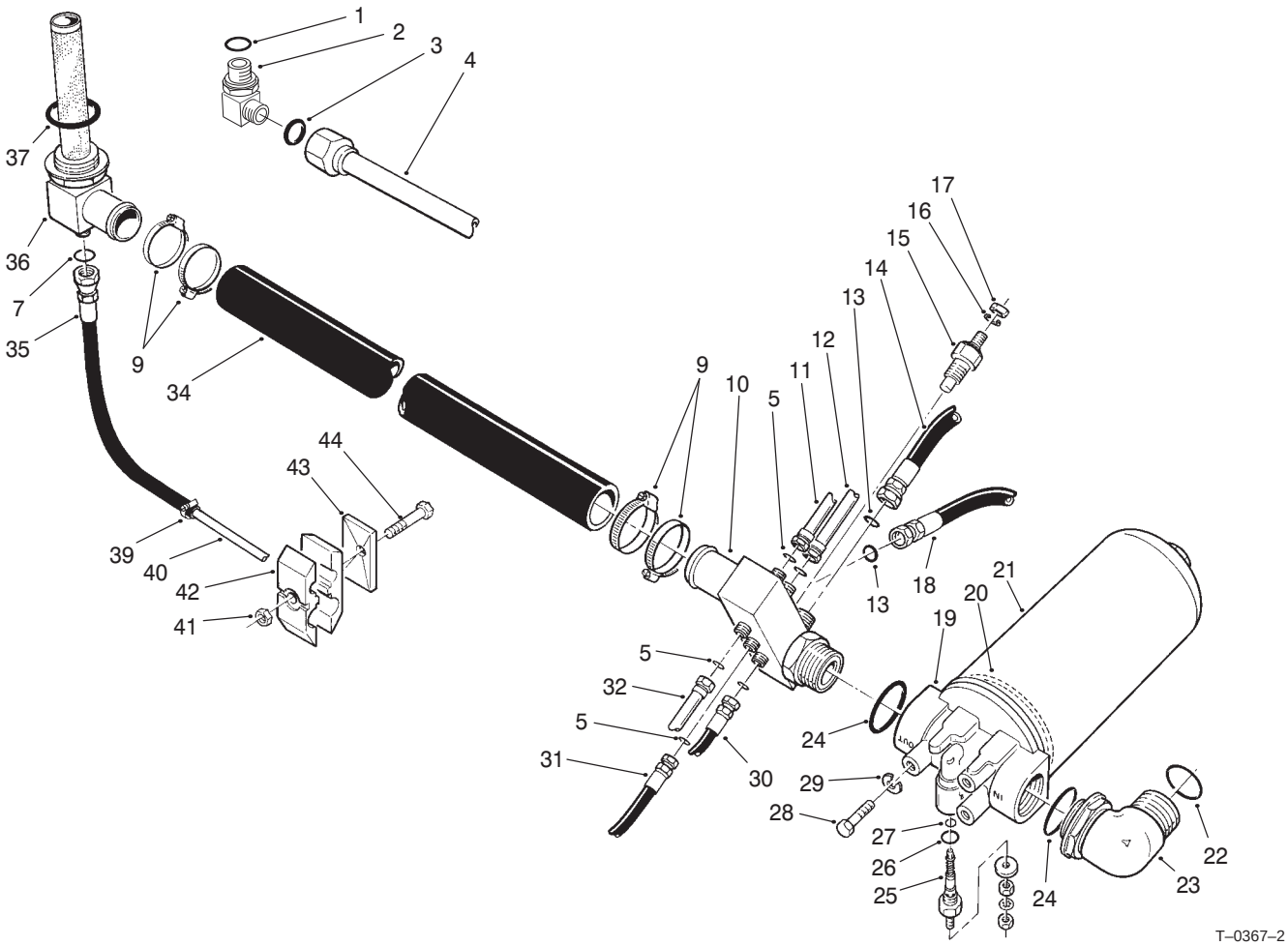



T–0354–3

# Hydraulic Tank Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 237–81 | 1 | O–Ring |
| 2 | 69–1170 | 1 | Gauge–Sight (Incl. Ref. #1) |
| 3 | 85–6260 | 1 | Unit–Sensing, Level |
| 4 | 94–1893 | 1 | Tank–Hydraulic |
| 5 | 323–10 | 4 | Screw–HH |
| 6 | 3253–21 | 4 | Washer–Lock |
| 7 | 5–3177 | 4 | Washer–Flat |
| 8 | 69–1610 | 1 | Adapter–Hose, Suction |
| 9 | 3253–3 | 10 | Washer–Lock |
| 10 | 321–5 | 10 | Screw–HH |
| 11 | 2412–34 | 1 | Clamp–Hose |
| 12 | 69–5640 | 1 | Hose–Suction |
| 13 | 2412–42 | 4 | Clamp–Hose |
| 14 | 94–1892 | 1 | Hose–Suction, Auxiliary |
| 15 | 2412–3 | 1 | Clamp–Hose |
| 16 | 237–157 | 1 | O–Ring |
| 17 | 69–1650 | 1 | Screen–Suction |
| 19 | 237–80 | 1 | O–Ring |
| 20 | 69–5800 | 1 | Tube–Hydraulic |
| 21 | 237–22 | 2 | O–Ring |
| 22 | 340–3 | 1 | Fitting–Straight, Hydraulic (Incl. Ref. #21 & 23) |
| 23 | 237–79 | 1 | O–Ring |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 24 | 68–7571 | 1 | Strip–Sealing |
| 26 | 321–2 | 1 | Screw–HH |
| 27 | 75–0540 | 1 | Tether–Cap, Reservoir |
| 31 | 71–2680 | 1 | Hose–Vent |
| 32 | 2412–108 | 1 | Clamp–Hose |
| 33 | 69–4280 | 1 | Tube–Vent, Hydraulic |
| 34 | 61–2790 | 1 | Filler–Screen |
| 35 | 2410–73 | 1 | Pin–Tether |
| 36 | 93–3103 | 1 | Cap–Hydraulic (Incl. Ref. #27 & 35) |
| 37 | 92–4970 | 1 | Hose–Hydraulic |
| 38 | 340–22 | 1 | Fitting–Tee (Incl. Ref. #19 & 41) |
| 39 | 98–7067 | 1 | Fitting–Reducer |
| 40 | 340–150 | 1 | Cap–Hydraulic |
| 41 | 237–65 | 2 | O–Ring |



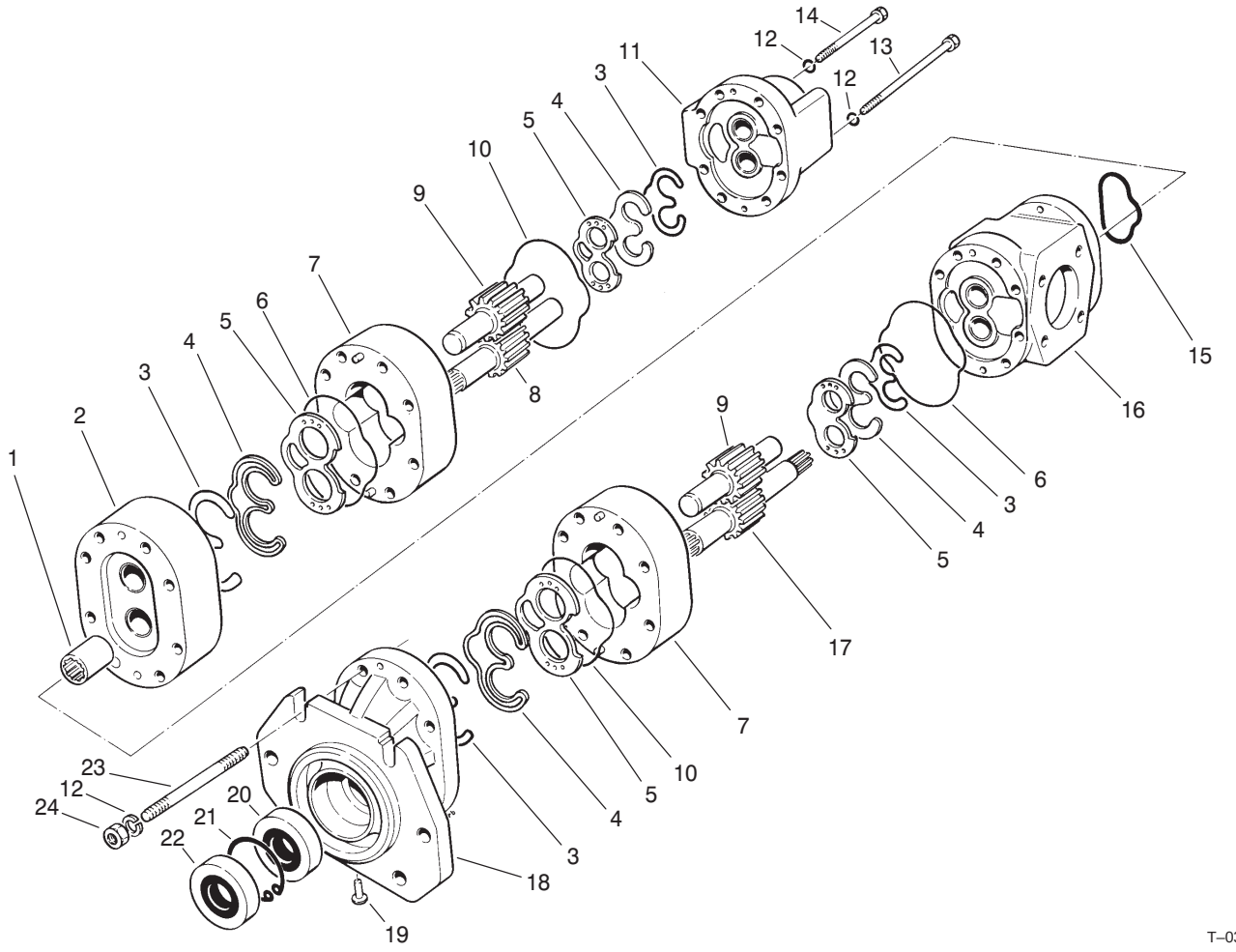

T–0367–2

# Hydraulic Filter Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 237–80 | 1 | O–Ring |
| 2 | 340–17 | 1 | Fitting–Hydraulic, 90° (Incl. Ref. #1 & 3) |
| 3 | 237–65 | 1 | O–Ring |
| 4 | 92–4807 | 1 | Tube–Hydraulic |
| 5 | 237–22 | 3 | O–Ring |
| 7 | 237–58 | 1 | O–Ring |
| 9 | 2412–92 | 4 | Clamp–Hose |
| 10 | 69–5410 | 1 | Manifold–Return (Incl. Ref. #5, 13 & 24) |
| 11 | 69–6000 | 1 | Tube–Hydraulic (Incl. Ref. #5) |
| 12 | 69–5990 | 1 | Tube–Hydraulic (Incl. Ref. #5) |
| 13 | 237–30 | 2 | O–Ring |
| 14 | 69–5460 | 1 | Hose–Hydraulic |
| 15 | 39–7593 | 1 | Unit–Sending, Temp. |
| 16 | 3253–2 | 1 | Washer–Lock |
| 17 | 3219–14 | 1 | Nut–Hex |
| 18 | 69–5650 | 1 | Hose–Hydraulic |
| 19 | 69–1700 | 1 | Hydraulic Filter ASM (Incl. Ref. #20, 21 & 25–27) |
| 20 | 237–155 | 1 | O–Ring |
| 21 | 69–1720 | 1 | Element–Filter (Incl. Ref. #20) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 340–65 | 1 | O–Ring |
| 23 | 340–79 | 1 | Fitting–Hydraulic, 90° (Incl. Ref. #22 & 24) |
| 24 | 237–101 | 2 | O–Ring |
| 25 | 69–1710 | 1 | Indicator–Filter (Incl. Ref. # 26 & 27) |
| †26 | | 1 | O–Ring |
| †27 | | 1 | O–Ring |
| 28 | 323–4 | 3 | Screw–HH |
| 29 | 3253–21 | 3 | Washer–Lock |
| 30 | 69–5440 | 1 | Hose–Hydraulic |
| 31 | 69–8440 | 1 | Hose–Hydraulic |
| 32 | 69–5950 | 1 | Tube–Hydraulic |
| 34 | 74–2660 | 1 | Hose–Return, Hydraulic |
| 35 | 92–2352 | 1 | Hose–Hydraulic |
| 36 | 92–2351 | 1 | Fitting–Return, Tank (Incl. Ref. #7 & 37) |
| 37 | 340–136 | 1 | O–Ring |
| 39 | 2412–129 | 1 | Clamp–Hose |
| 40 | 92–1742 | 1 | Tube–Hydraulic |
| 41 | 32152–1 | 3 | Nut–Lock |
| 42 | 56–7978 | 6 | Clamp Half–Hydraulic Line |
| 43 | 69–9761 | 3 | Plate–Cover |
| 44 | 322–12 | 3 | Screw–HH |

† Not Serviceable Separately



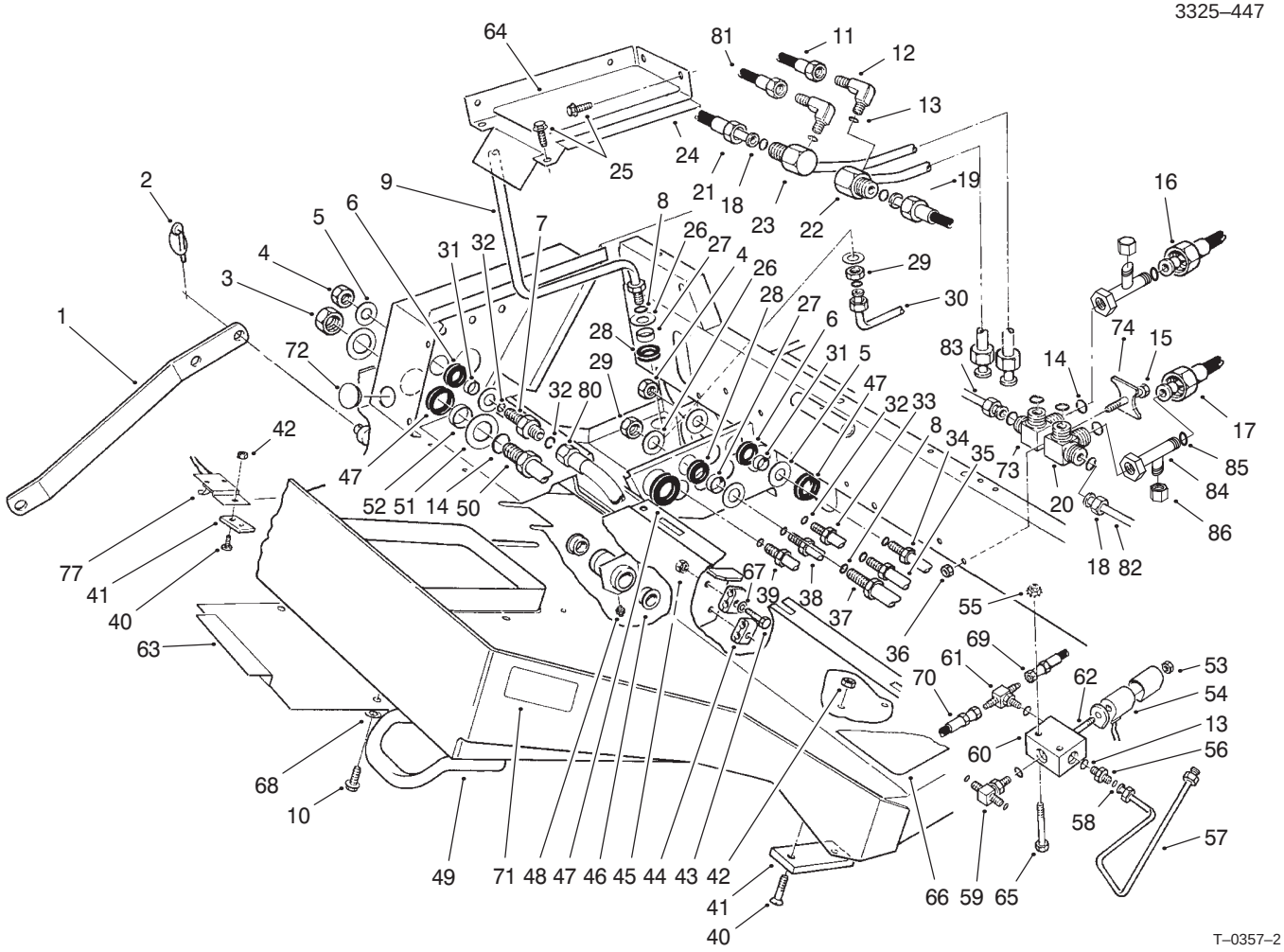

T–0382–1

# Double Gear Pump No. 69–2050–03

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–2110 | 1 | Coupling |
| 2 | 69–2170 | 1 | Adapter Section ASM |
| 3 | 59–7990 | 4 | Seal–Gland |
| 4 | 59–8470 | 4 | Retainer–Seal |
| 5 | 69–2070 | 4 | Plate–Flex |
| 6 | 69–2200 | 2 | O–Ring |
| 7 | 69–2080 | 2 | Center Section ASM |
| 8 | 69–2090 | 1 | Gear/Shaft–Drive, Rear |
| 9 | 59–8600 | 2 | Gear–Driven |
| 10 | 69–2120 | 2 | O–Ring |
| 11 | 69–2100 | 1 | Rear Cover ASM |
| 12 | 59–7590 | 16 | Washer–Lock |
| 13 | 69–2150 | 4 | Screw–HH |
| 14 | 69–2140 | 4 | Screw–HH |
| 15 | 69–2210 | 1 | O–Ring |
| 16 | 69–2160 | 1 | Port Section ASM |
| 17 | 59–8500 | 1 | Gear/Shaft–Drive, Front |
| 18 | 69–2060 | 1 | Shaft End Cover ASM |
| 19 | 69–2130 | 1 | Plug |
| 20 | 59–8590 | 1 | Seal–Shaft |
| 21 | 59–8580 | 1 | Ring–Retaining |
| 22 | 59–8570 | 1 | Seal–Shaft |
| 23 | 59–7970 | 8 | Stud–Threaded |
| 24 | 59–7580 | 8 | Nut–Hex |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 59–8610 | 1 | Kit–Repair (Incl. Ref. #3, 4, 20 & 22) |

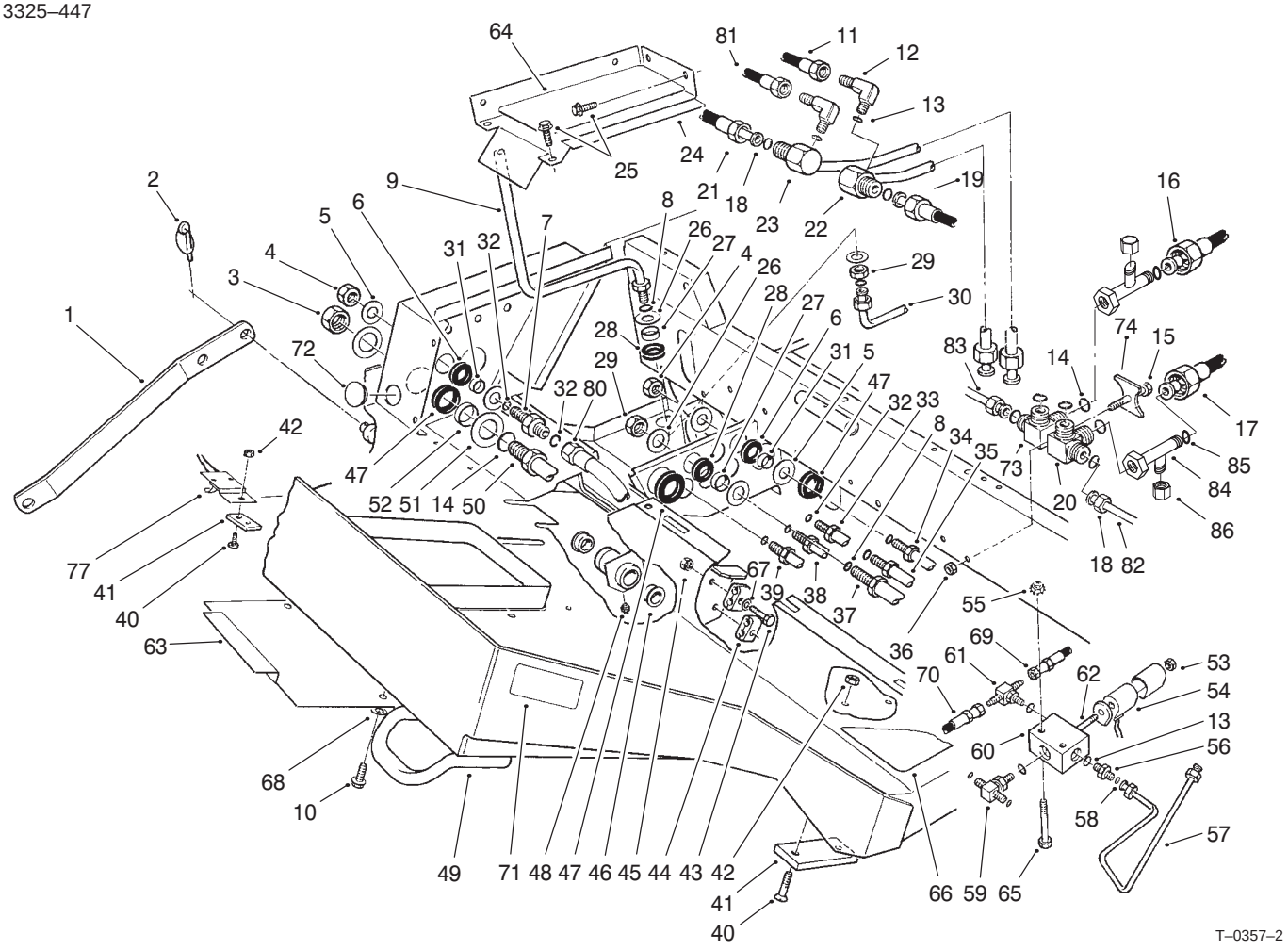
* Not Illustrated




# Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 85–6190–01 | 1 | Link–Tilt, Deck |
| 2 | 3290–495 | 2 | Pin–Lynch |
| 3 | 340–126 | 2 | Nut–Bulkhead |
| 4 | 340–70 | 6 | Nut–Bulkhead |
| 5 | 69–8940 | 12 | Washer |
| 6 | 240–4 | 6 | Grommet |
| 7 | 340–71 | 1 | Fitting–Bulkhead, Hydraulic (Incl. Ref. #32) |
| 8 | 237–30 | 3 | O–Ring |
| 9 | 92–4967 | 1 | Tube–Hydraulic (Incl. Ref. #8) |
| 10 | 3234–28 | 2 | Screw–HFH |
| 11 | 93–7422 | 1 | Hose–Hydraulic |
| 12 | 353–375 | 2 | Fitting–Hydraulic, 90° (Incl. Ref. #13) |
| 13 | 237–78 | 5 | O–Ring |
| 14 | 237–58 | 4 | O–Ring |
| 15 | 3274–86 | 1 | Screw–HSH |
| 16 | 100–8014 | 1 | Hose–Hydraulic |
| 17 | 100–8015 | 1 | Hose–Hydraulic |
| 18 | 237–65 | 6 | O–Ring |
| 19 | 93–7177 | 1 | LH Traction Tube ASM |
| 20 | 83–8350 | 1 | Fitting–Traction, LH (Incl. Ref. #14 & 18) |
| 21 | 93–7178 | 1 | RH Traction Tube ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 69–6200 | 1 | Tube–Hydraulic (Incl. Ref. #18) |
| 23 | 69–6190 | 1 | Tube–Hydraulic (Incl. Ref. #18 |
| 24 | 71–2450–01 | 1 | Cover–Access |
| 25 | 3234–14 | 4 | Screw–HFH |
| 26 | 69–8930 | 4 | Washer |
| 27 | 69–8960 | 2 | Spacer |
| 28 | 240–5 | 2 | Grommet |
| 29 | 340–127 | 2 | Nut–Bulkhead |
| 30 | 85–6150 | 1 | Tube–Hydraulic |
| 31 | 69–8970 | 6 | Spacer |
| 32 | 237–22 | 7 | O–Ring |
| 33 | 69–6050 | 1 | Tube–Hydraulic (Incl. Ref. #32) |
| 34 | 69–6040 | 1 | Tube–Hydraulic (Incl. Ref. #32) |
| 35 | 69–6030 | 1 | Tube–Hydraulic (Incl. Ref. #32) |
| 36 | 32152–1 | 1 | Nut–Lock |
| 37 | 69–5790 | 1 | Tube–Hydraulic (Incl. Ref. #8) |
| 38 | 69–6060 | 1 | Tube–Hydraulic (Incl. Ref. #32) |
| 39 | 93–7426 | 1 | Tube–Hydraulic (Incl. Ref. #32) |

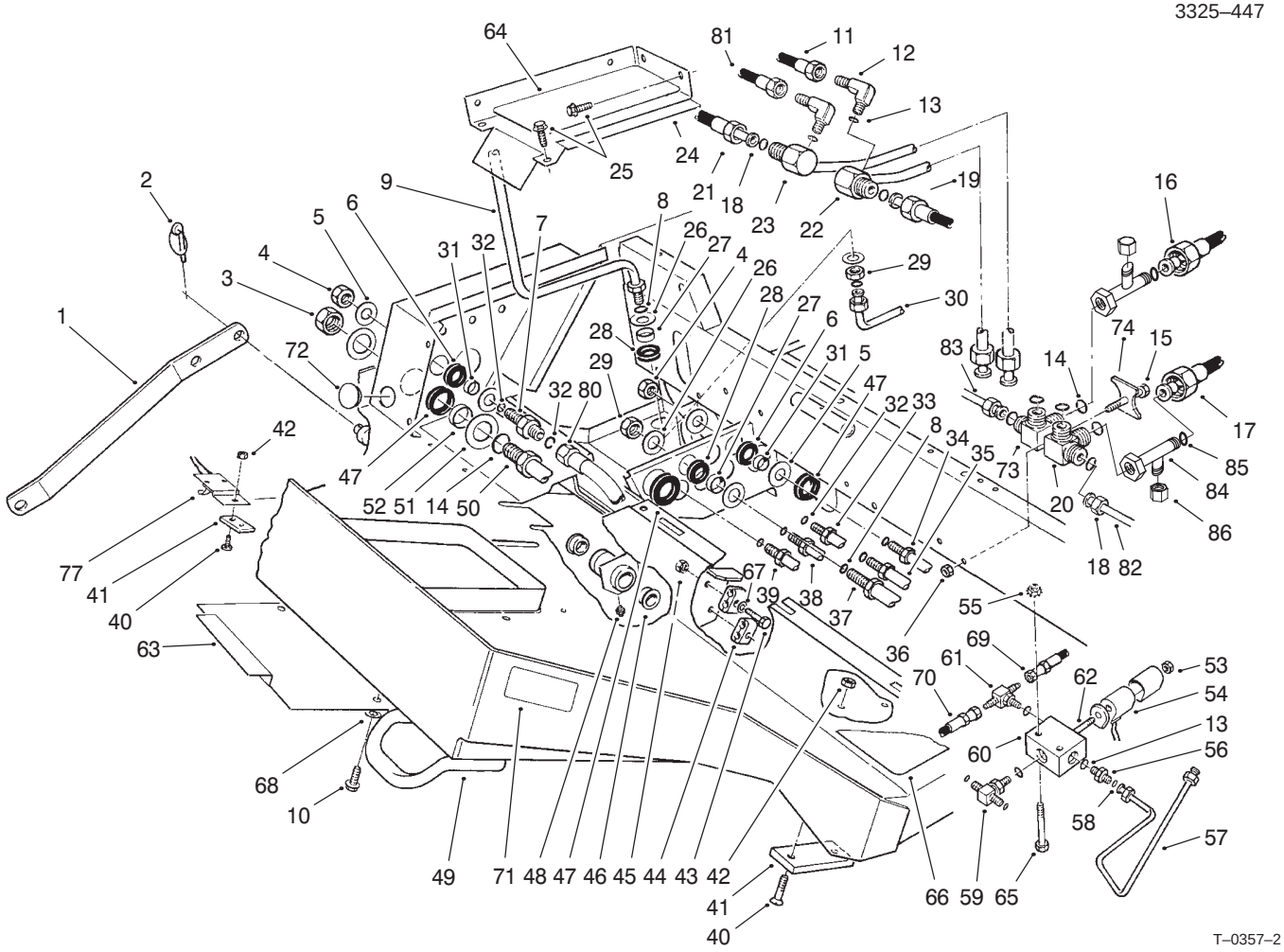



# Frame Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 40 | 32108–103 | 4 | Screw–Machine, FH |
| 41 | 69–9300 | 2 | Cushion–Rubber |
| 42 | 32152–1 | 4 | Nut–Lock |
| 43 | 321–9 | 2 | Screw–HH |
| 44 | 56–7973 | 4 | Clamp Half–Line, Hydraulic |
| 45 | 32152–4 | 2 | Nut–Lock |
| 46 | 256–247 | 2 | Bushing–Flange |
| 47 | 240–7 | 4 | Grommet |
| 48 | 302–5 | 1 | Fitting–Grease |
| 49 | 69–0100–01 | 1 | Frame ASM (Incl. Ref. #46 & 48) |
| 50 | 69–6100 | 1 | Tube–Pressure, Hydraulic (Incl. Ref. #14) |
| * | 69–5810 | 1 | Tube–Return, Hydraulic (Incl. Ref. #14) |
| 51 | 69–8910 | 4 | Washer |
| 52 | 69–8900 | 2 | Spacer |
| 53 | 3220–4 | 1 | Nut |
| 54 | 92–3048 | 3 | Kit–Coil, Solenoid |
| 55 | 32149–2 | 2 | Nut–Keps |
| 56 | 340–92 | 1 | Fitting–Hydraulic (Incl. Ref. #13 & 58) |
| 57 | 69–5950 | 1 | Tube–Hydraulic |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 58 | 237–21 | 3 | O–Ring |
| 59 | 340–125 | 1 | Fitting–Hydraulic (Incl. Ref. #13 & 58) |
| †60 | | 1 | Body–Valve |
| 61 | 93–9988 | 1 | Fitting–Hydraulic (Incl. Ref. #13) |
| 62 | 95–5638 | 1 | Valve–Solenoid (Incl. Ref. #53) |
| 63 | 69–9470–01 | 1 | Cover–Access |
| 64 | 71–0430 | 1 | Cover–Abrasive |
| 65 | 321–11 | 2 | Screw–HH |
| 66 | 71–0420 | 1 | Floor–Abrasive |
| 67 | 3256–56 | 2 | Washer–Flat |
| 68 | 3256–23 | 2 | Washer–Flat |
| 69 | 100–4150 | 1 | Hose–Diagnostic |
| 70 | 93–7193 | 1 | Hose–Diagnostic |
| 71 | 72–4080 | 2 | Decal–Danger |
| 72 | 2410–10 | 1 | Plug–Button |
| 73 | 83–8360 | 1 | Fitting–Traction, RH |
| 74 | 83–8370 | 1 | Plate–Clamp |
| 77 | 93–7038 | 1 | Switch |
| 80 | 92–4970 | 1 | Hose–Hydraulic |
| 81 | 93–7192 | 1 | Hose–Diagnostic |
| 82 | 83–4330 | 1 | LH Traction Tube ASM |
| 83 | 83–4340 | 1 | RH Traction Tube ASM |
| * | 95–5917 | 1 | Kit–Seal, Valve |

* Not Illustrated
† Not Serviceable Separately



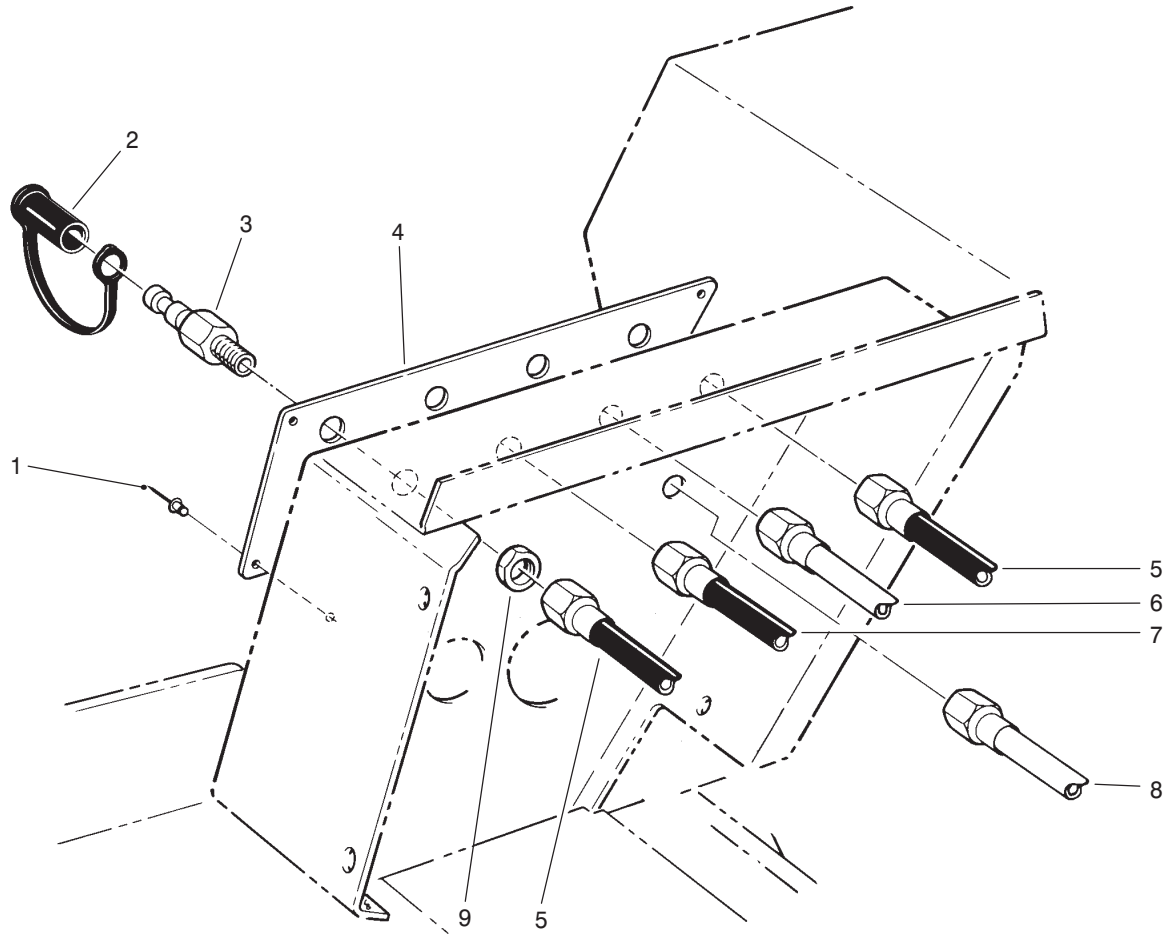

T–0357–2

# Frame Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 95–5916 | 1 | Solenoid Valve ASM (Incl. Ref. #53, 54, 60, 62 & Valve Seal Kit #92–3049) |
| 84 | 92–4748 | 2 | Fitting–Tee (Incl. Ref. #85) |
| 85 | 237–58 | 1 | O–ring |
| 86 | 95–0979 | 2 | Fitting–Cap |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

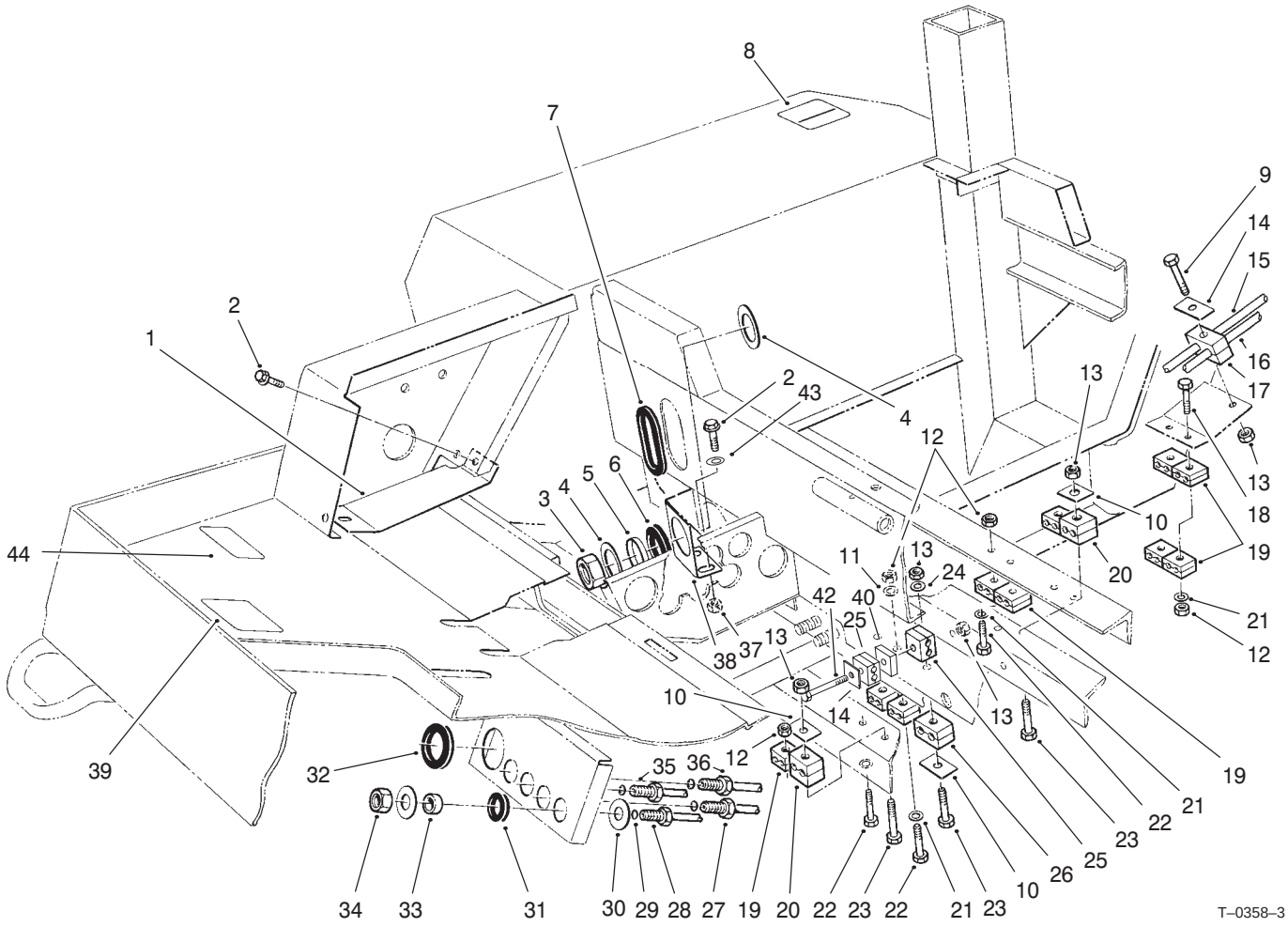



T–3077

# Hydraulic System Diagnostic Panel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3269–25 | 4 | Rivet–Pop |
| 2 | 354–79 | 5 | Cap–Fitting |
| 3 | 353–997 | 5 | Fitting–Bulkhead, Hydraulic (Incl. Ref. #12) |
| 4 | 99–1900 | 1 | Panel–Diagnostic |
| 5 | 93–7422 | 1 | Hose–Hydraulic, Diagnostic |
| 6 | 69–5910 | 1 | Tube–Hydraulic, Diagnostic |
| 7 | 93–7193 | 1 | Hose–Hydraulic, Diagnostic |
| 8 | 69–5920 | 1 | Tube–Diagnostic |
| 9 | 3220–4 | 5 | Nut–Bulkhead |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

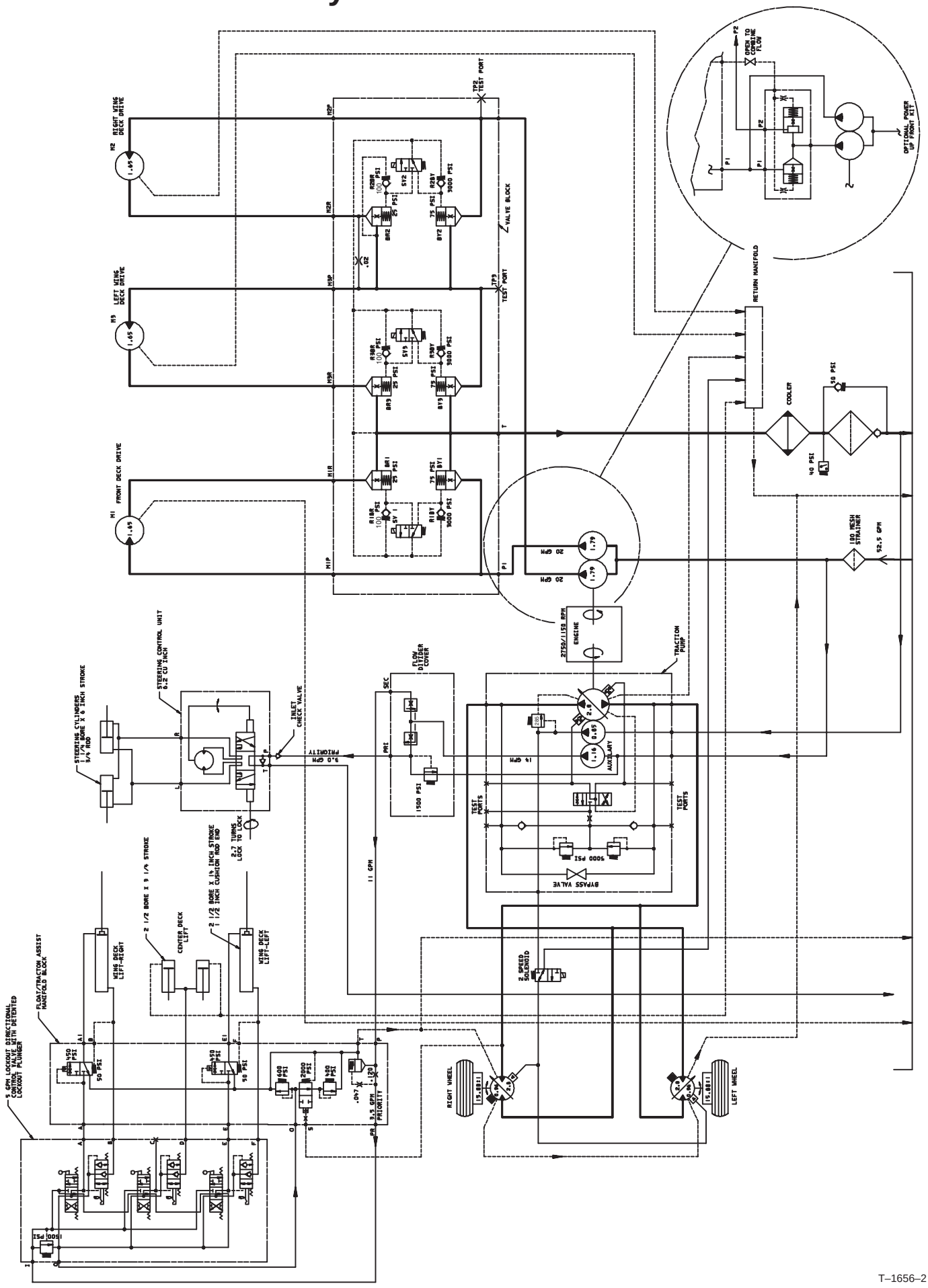



# Hydraulic Line Clamps Assembly

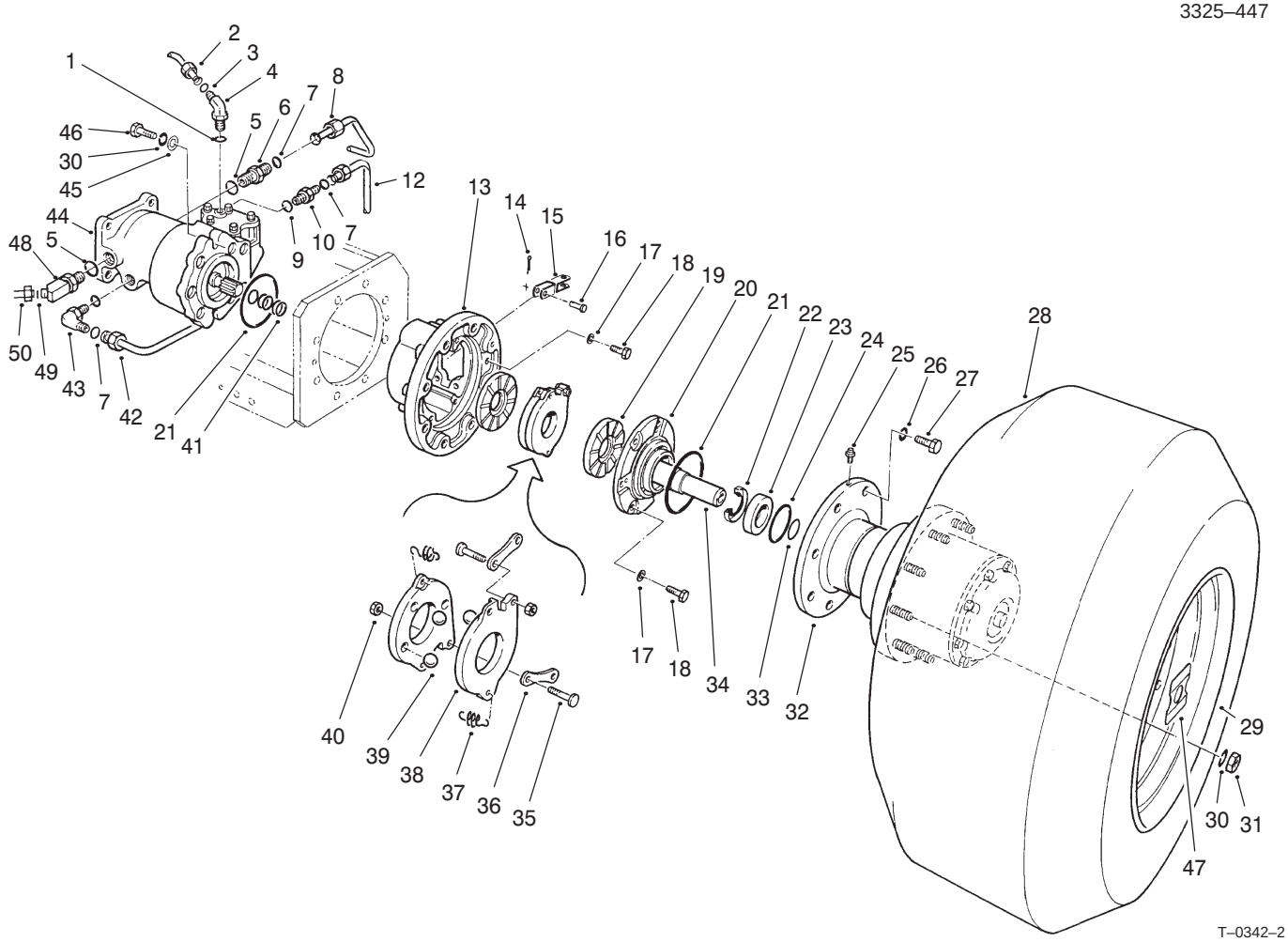
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–9330–01 | 1 | Cover |
| 2 | 3234–14 | 6 | Screw–HFH |
| 3 | 340–128 | 2 | Nut–Bulkhead |
| 4 | 69–8920 | 4 | Washer |
| 5 | 69–8950 | 2 | Spacer |
| 6 | 240–2 | 2 | Grommet |
| 7 | 237–164 | 1 | Grommet |
| 8 | 95–0821 | 1 | Decal–Oil, Hydraulic |
| 9 | 322–12 | 2 | Screw–HH |
| 10 | 69–9760 | 3 | Plate–Cover |
| 11 | 3256–22 | 2 | Washer–Flat |
| 12 | 32152–4 | 6 | Nut–Lock |
| 13 | 32152–1 | 8 | Nut–Lock |
| 14 | 69–9761 | 5 | Plate–Cover |
| 15 | 99–4964 | 1 | Tube–Hydraulic |
| 16 | 100–2515 | 1 | Tube–Hydraulic |
| 17 | 56–7974 | 2 | Clamp Half–Hydraulic Line |
| 18 | 321–15 | 2 | Screw–HH |
| 19 | 56–7973 | 20 | Clamp Half–Hydraulic Line |
| 20 | 56–7972 | 4 | Clamp Half–Hydraulic Line |
| 21 | 3256–56 | 8 | Washer–Flat |
| 22 | 321–9 | 6 | Screw–HH |
| 23 | 322–10 | 3 | Screw–HH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 24 | 3256–23 | 1 | Washer–Flat |
| 25 | 56–7978 | 12 | Clamp Half–Hydraulic Line |
| 26 | 56–7971 | 2 | Clamp Half–Hydraulic Line |
| 27 | 93–7179 | 1 | Tube–Hydraulic (Incl. Ref. #29) |
| 28 | 69–5800 | 1 | Tube–Hydraulic (Incl. Ref. #29) |
| 29 | 237–21 | 4 | O–Ring |
| 30 | 69–8980 | 8 | Washer |
| 31 | 240–6 | 4 | Grommet |
| 32 | 240–7 | 1 | Grommet |
| 33 | 69–8990 | 4 | Spacer |
| 34 | 340–78 | 4 | Nut–Bulkhead |
| 35 | 69–6080 | 1 | Tube–Hydraulic (Incl. Ref. #29) |
| 36 | 69–6070 | 1 | Tube–Hydraulic (Incl. Ref. #29) |
| 37 | 32151–1 | 4 | Nut–Lock |
| 38 | 71–2560–03 | 2 | Support–Bulkhead |
| 39 | 69–0940 | 1 | Decal–Caution |
| 40 | 95–5616–03 | 4 | Spacer |
| 42 | 322–38 | 2 | Screw–HH |
| 43 | 3256–23 | 4 | Washer–Flat |
| 44 | 98–4387 | 1 | Decal–Caution |

# Hydraulic Schematic




T–1656–2



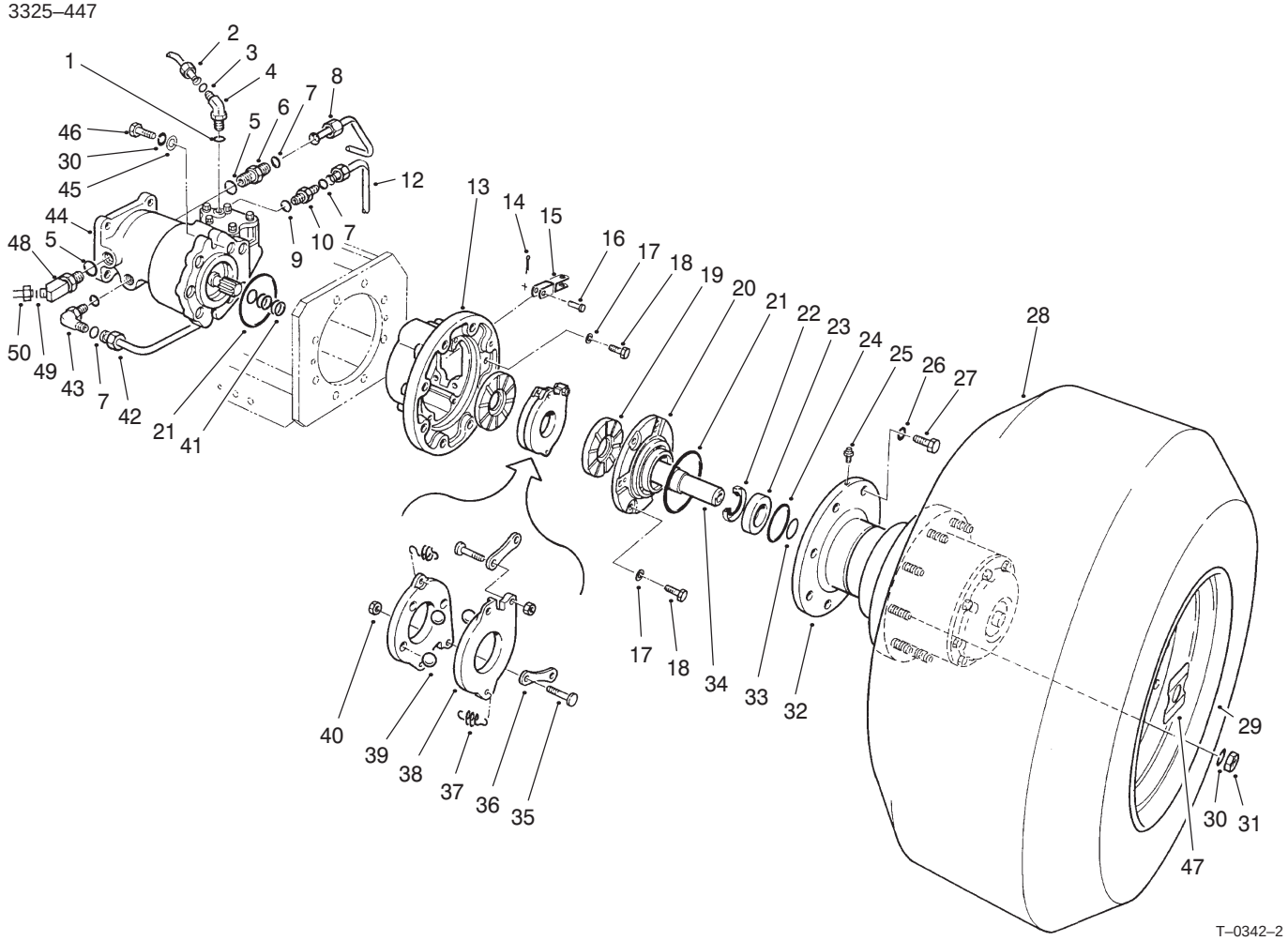

# Front Wheel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 237–42 | 2 | O–Ring |
| 2 | 69–5940 | 1 | Tube–Hydraulic, LH |
| * | 69–5930 | 1 | Tube–Hydraulic, RH |
| 3 | 237–21 | 2 | O–Ring |
| 4 | 340–82 | 2 | Fitting–Elbow, Hydraulic (Incl. Ref. #1 & 3) |
| 5 | 237–146 | 4 | O–Ring |
| 6 | 340–91 | 2 | Fitting–Straight, Hydraulic (Incl. Ref. #5 & 7) |
| 7 | 237–58 | 7 | O–Ring |
| 8 | 83–4330 | 1 | Tube–Hydraulic, LH |
| * | 83–4340 | 1 | Tube–Hydraulic, RH |
| 9 | 237–81 | 4 | O–Ring |
| 10 | 340–9 | 1 | Fitting–Hydraulic Straight, LH (Incl. Ref. #7 & 9) |
| * | 340–148 | 1 | Fitting–Hydraulic Tee, RH (Incl. Ref. #7 & 9) |
| 12 | 92–1742 | 1 | Tube–Hydraulic, LH |
| * | 92–4807 | 1 | Tube–Hydraulic, RH Run |
| * | 85–6150 | 1 | Tube–Hydraulic, RH Branch |
| 13 | 71–4010–03 | 2 | Housing–Brake |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 14 | 3272–6 | 2 | Pin–Cotter |
| 15 | 71–3880 | 2 | Clevis–Cable, Brake |
| 16 | 283–2 | 2 | Pin–Clevis |
| 17 | 3253–21 | 14 | Washer–Lock |
| 18 | 323–6 | 4 | Screw–HH |
| 19 | 71–0470 | 4 | Disc–Middle |
| 20 | 71–3990 | 2 | Cap–Housing, Brake |
| 21 | 237–158 | 4 | O–Ring |
| 22 | 253–156 | 2 | Seal–Oil |
| 23 | 251–340 | 2 | Bearing–Ball |
| 24 | 32120–22 | 2 | Ring–Retaining, Inter. |
| 25 | 302–39 | 2 | Vent |
| 26 | 3253–8 | 16 | Washer–Lock |
| 27 | 327–22 | 16 | Screw–HH |
| 28 | 69–9800 | 2 | Tire |
| * | 58–5620 | 2 | Tube–Inner |
| * | 231–140 | 2 | Tire (Optional) |
| 29 | 71–2470 | 2 | Rim |
| 30 | 3253–7 | 22 | Washer–Lock |
| 31 | 3219–5 | 18 | Nut–Hex |
| 32 | 69–1730 | 2 | Planetary Gear Drive ASM |
| 33 | 32120–84 | 2 | Ring–Retaining, Ext. |
| 34 | 71–3810 | 2 | Coupling–Motor, Hydraulic |
| 35 | 69–9970 | 4 | Stud |

* Not Illustrated

3325–447

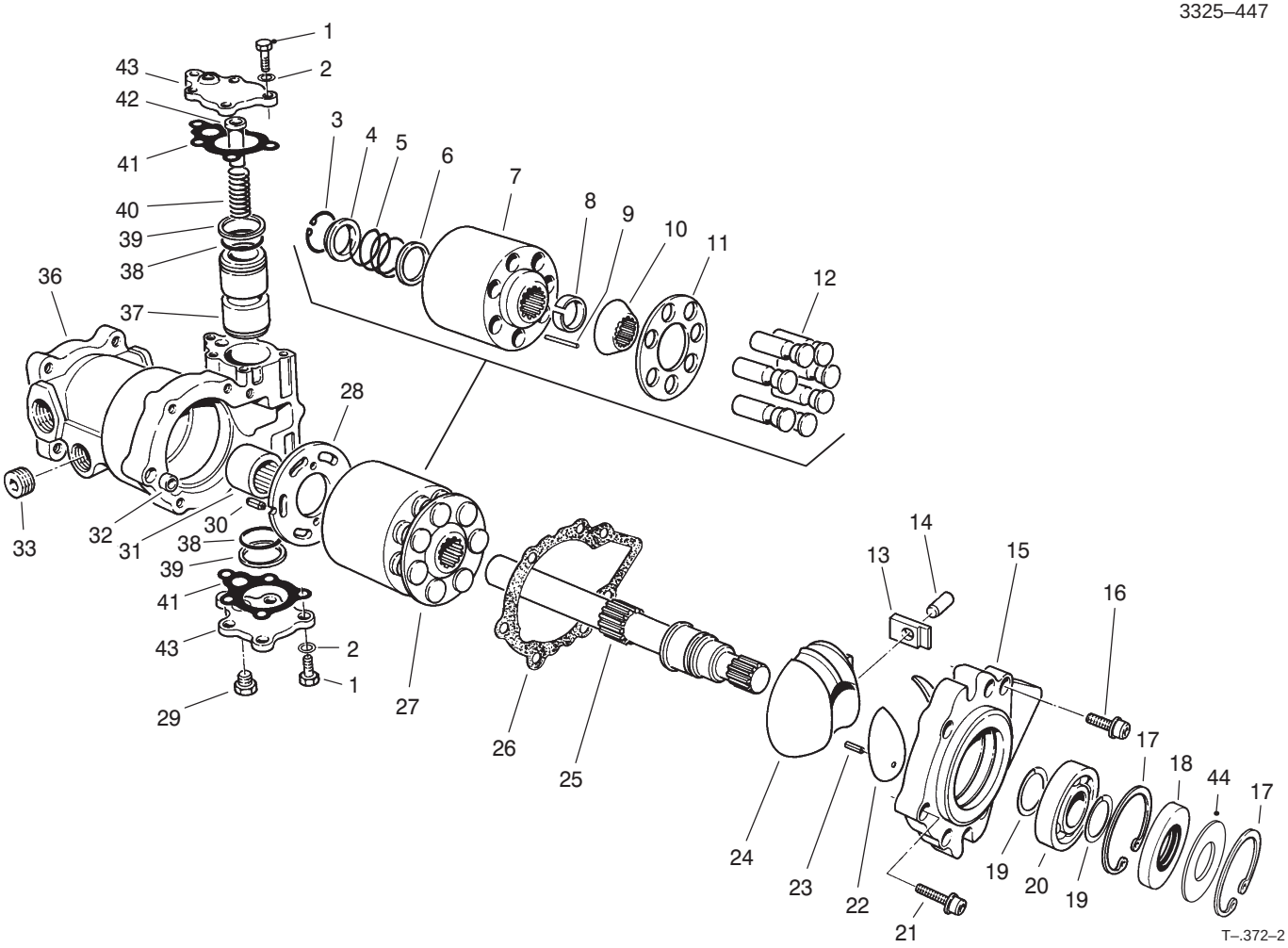



# Front Wheel Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 36 | 69–9960 | 4 | Link |
| 37 | 69–9950 | 4 | Spring–Extension |
| 38 | 69–9990 | 4 | Disc–Actuating |
| 39 | 69–9980 | 6 | Ball |
| 40 | 69–9940 | 4 | Nut–Jam |
| 41 | 253–157 | 6 | Ring–Cup |
| 42 | 92–1741 | 1 | Tube–Hydraulic |
| 43 | 340–142 | 2 | Fitting–Elbow, Hydraulic (Incl. Ref. #9 & 11) |
| 44 | 69–3050 | 2 | Motor–Wheel, Hydraulic |
| 45 | 3256–26 | 4 | Washer–Flat |
| 46 | 325–7 | 4 | Screw–HH |
| 47 | 72–4070 | 2 | Decal–Danger |
| 48 | 93–7176 | 2 | Fitting–45° ORFS |
| 49 | 237–65 | 2 | O–Ring |
| 50 | 93–7177 | 1 | Tube–Hydraulic, LH |
| * | 93–7178 | 1 | Tube–Hydraulic, RH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

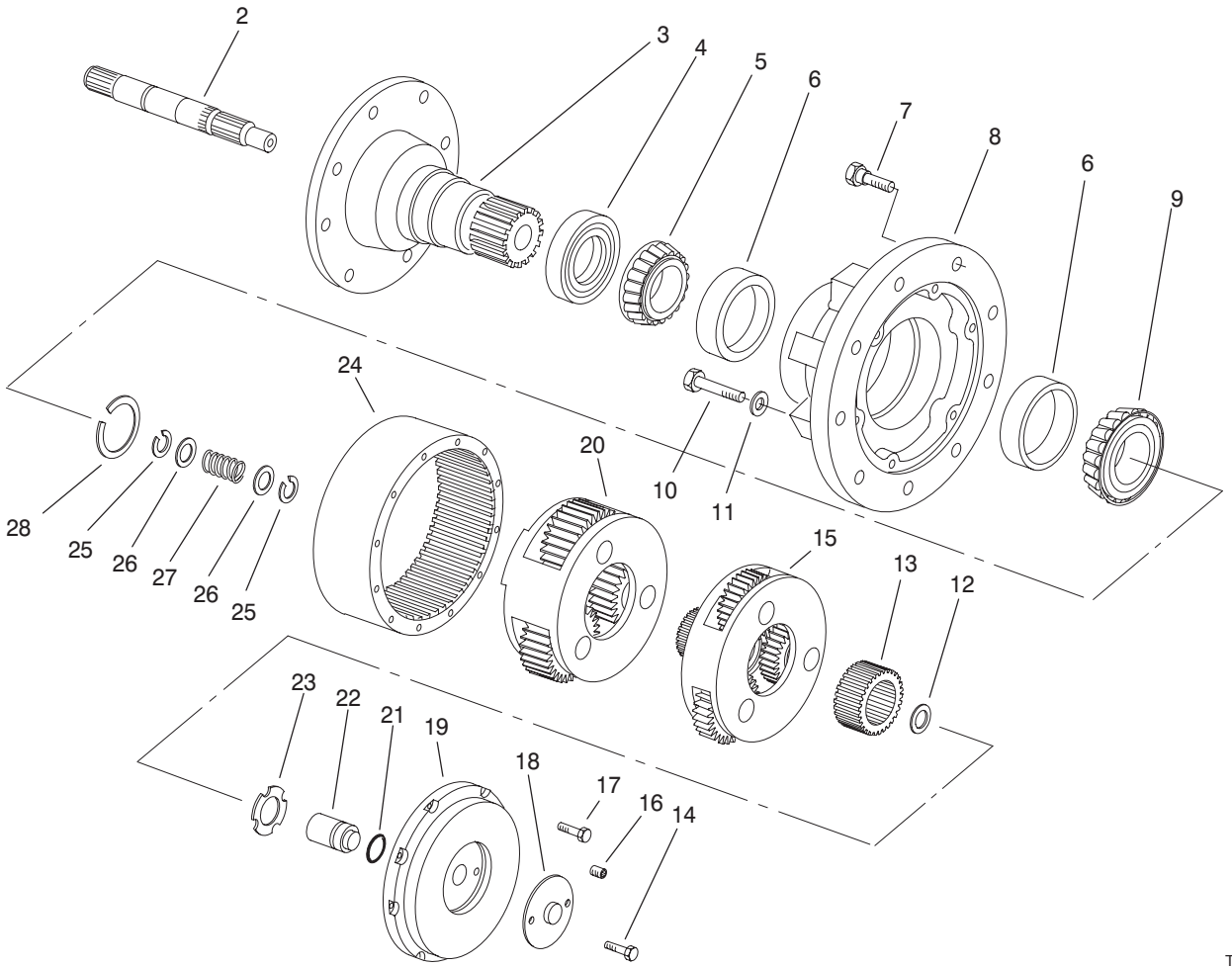



# Wheel Motor No. 69–3050

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–3150 | 10 | Screw–HH |
| 2 | 69–3070 | 10 | Washer–Plain |
| †3 | | 1 | Ring–Retaining |
| †4 | | 1 | Washer |
| †5 | | 1 | Spring–Compression |
| †6 | | 1 | Washer |
| †7 | | 1 | Block–Cylinder |
| †8 | | 1 | Retainer |
| †9 | | 3 | Pin–Hold Down, Slipper |
| †10 | | 1 | Guide–Retainer |
| †11 | | 1 | Guide–Slipper |
| †12 | | 7 | Piston ASM |
| 13 | 69–3500 | 1 | Bearing–Sleeve |
| 14 | 69–3510 | 1 | Pin |
| 15 | 76–4610 | 1 | Cover–Front |
| 16 | 76–4590 | 6 | Screw |
| 17 | 69–3200 | 2 | Ring–Retaining |
| 18 | 69–3190 | 1 | Seal–Lip |
| 19 | 69–3170 | 2 | Ring–Retaining |
| 20 | 69–3210 | 1 | Bearing–Ball |
| 21 | 69–3960 | 1 | Screw |
| 22 | 69–3970 | 2 | Bearing–Journal |
| 23 | 69–3520 | 2 | Pin–Spring |
| 24 | 69–3980 | 1 | Swashplate–Variable |
| 25 | 69–3950 | 1 | Shaft–Motor |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 76–4600 | 1 | Gasket–Cover, Front |
| 27 | 69–3910 | 1 | Kit–Block, Cylinder (Incl. Ref. #3–12) |
| 28 | 69–3990 | 1 | Plate–Valve, Motor |
| 29 | 69–3940 | 1 | Plug |
| 30 | 69–3450 | 1 | Pin |
| 31 | 69–3370 | 1 | Bearing–Needle |
| 32 | 69–3230 | 1 | Pin–Spring |
| 33 | 69–3130 | 1 | Plug–Hole |
| †36 | | 1 | Housing |
| 37 | 69–4020 | 1 | Piston–Servo |
| 38 | 69–3560 | 2 | O–Ring |
| 39 | 69–3570 | 2 | Ring–Piston |
| 40 | 69–4030 | 1 | Spring–Servo |
| 41 | 69–3710 | 2 | Gasket–Cover, Servo |
| 42 | 69–4040 | 1 | Stop–Piston, Servo |
| 43 | 69–3720 | 2 | Cover–Servo |
| 44 | 95–4400 | 1 | Washer–Backup |
| * | 69–3920 | 1 | Kit–Piston Ring & O–Ring (Incl. Ref. #38 & 39) |

* Not Illustrated
† Not Serviceable Separately




T–0140–2

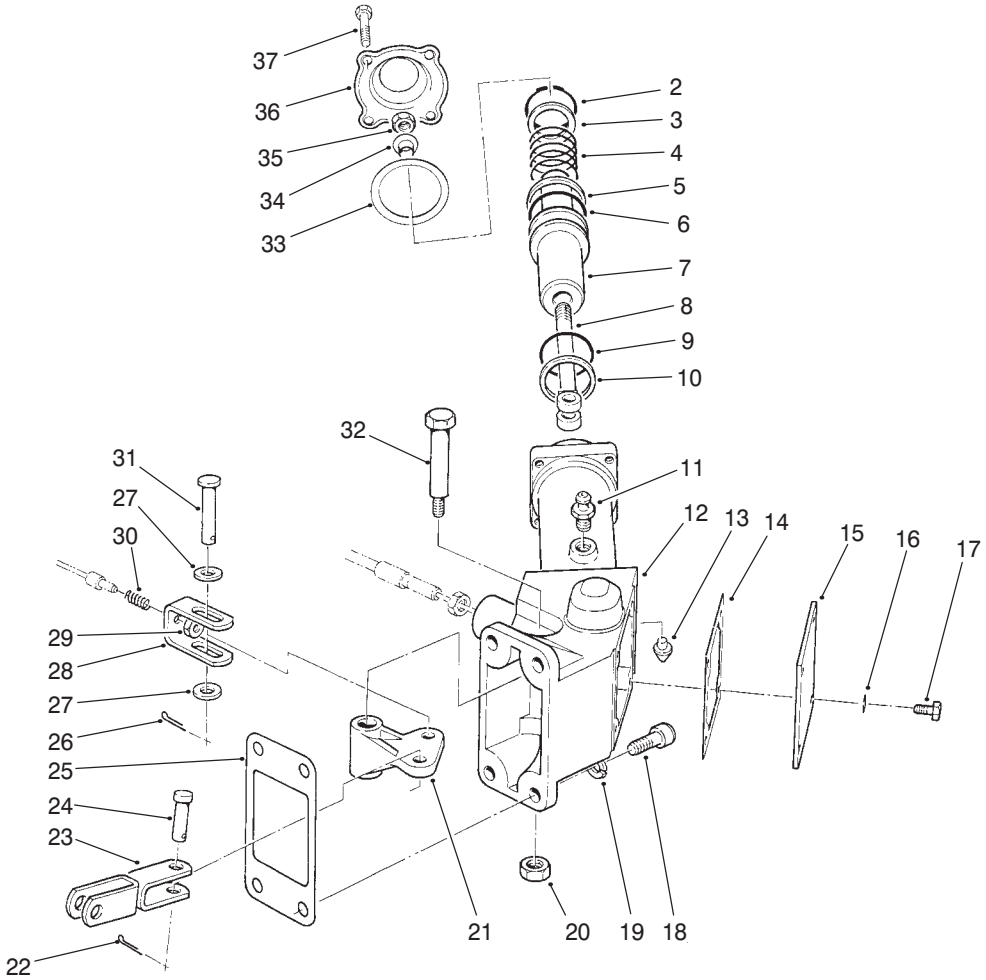
# Planetary Gear Assembly No. 69–1730

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 2 | 60–3810 | 1 | Shaft–Input |
| 3 | 69–1740 | 1 | Spindle |
| 4 | 60–3830 | 1 | Seal–Oil |
| 5 | 60–3840 | 1 | Cone–Bearing |
| 6 | 60–3850 | 2 | Cup–Bearing |
| 7 | 60–3860 | 9 | Bolt–Wheel |
| 8 | 60–3870 | 1 | Hub |
| 9 | 60–3880 | 1 | Cone–Bearing |
| 10 | 60–3890 | 6 | Bolt–HH |
| 11 | 60–3910 | 6 | Washer–Flat |
| 12 | 60–3980 | 1 | Washer–Thrust |
| 13 | 60–3970 | 1 | Gear–Sun, Primary |
| 14 | 60–4070 | 2 | Bolt–HH |
| 15 | 60–3960 | 1 | Primary Carrier ASM |
| 16 | 60–4040 | 1 | Plug–Pipe |
| 17 | 60–4030 | 8 | Bolt–HH |
| 18 | 60–4060 | 1 | Cover–Disengage |
| 19 | 60–4050 | 1 | Cover–Large |
| 20 | 60–4000 | 1 | Secondary Carrier ASM |
| 21 | 60–4020 | 1 | O–Ring |
| 22 | 60–4010 | 1 | Plunger–Disengage |
| 23 | 60–3990 | 1 | Washer–Thrust |
| 24 | 60–3900 | 1 | Gear–Ring |
| 25 | 60–3930 | 2 | Ring–Retaining |
| 26 | 60–3940 | 2 | Washer |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 60–3950 | 1 | Spring–Disengage |
| †28 | 62–6450 | 1 | Kit–Ring, Retaining |
| * | 62–6460 | 1 | Sealant–RTV (Tube) |

* Not Illustrated

Includes 7 different thickness retaining rings for service adjustment of bearings



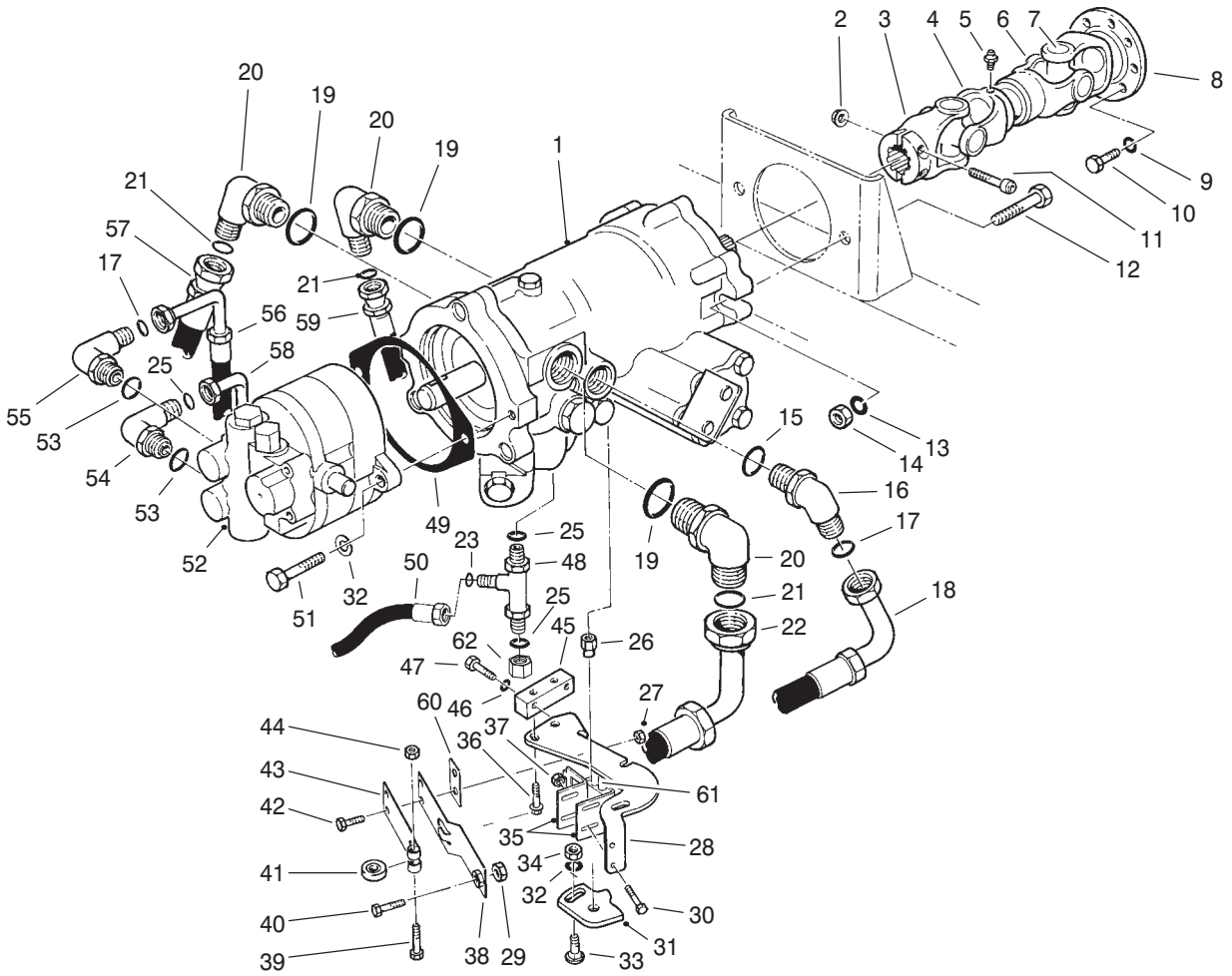

T–1277–1

# Wheel Brake Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 2 | 32151–100 | 2 | Ring–Retaining |
| 3 | 69–8910 | 2 | Washer |
| 4 | 82–7850 | 2 | Spring–Compression |
| 5 | 354–104 | 2 | Ring–Backup |
| 6 | 237–175 | 2 | O–Ring |
| 7 | 82–7840 | 2 | Piston–Brake |
| 8 | 21–2070–03 | 2 | Yoke–End |
| 9 | 237–174 | 2 | O–Ring |
| 10 | 354–105 | 2 | Ring–Backup |
| 11 | 82–7830 | 2 | Screw–Bleed, Brake |
| 12 | 92–8003 | 1 | Housing–Actuator, RH |
| * | 92–8004 | 1 | Housing–Actuator, LH |
| 13 | 82–7820 | 2 | Seat–Brake, Tube |
| 14 | 71–3870 | 2 | Gasket |
| 15 | 71–3850–03 | 2 | Cover–Housing |
| 16 | 3253–3 | 8 | Washer–Lock |
| 17 | 321–2 | 8 | Screw–HH |
| 18 | 3274–7 | 8 | Screw–HSH |
| 19 | 3253–21 | 8 | Washer–Lock |
| 20 | 32128–25 | 2 | Nut–HHF |
| 21 | 71–3830–03 | 2 | Bellcrank–Brake |
| 22 | 3272–6 | 2 | Pin–Cotter |
| 23 | 71–3880 | 2 | Clevis–Calbe, Brake |
| 24 | 283–2 | 2 | Pin–Clevis |
| 25 | 71–3900 | 2 | Gasket |
| 26 | 3272–10 | 2 | Pin–Cotter |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 3256–24 | 4 | Washer–Flat |
| 28 | 71–3860 | 2 | Clevis |
| 29 | 3296–3 | 2 | Nut–Lock |
| 30 | 69–0030 | 2 | Spring–Compression |
| 31 | 283–15 | 2 | Pin–Clevis |
| 32 | 12–8900 | 2 | Bolt–Shoulder |
| 33 | 93–7417 | 2 | Gasket |
| 34 | 71–3910 | 2 | Collar |
| 35 | 3296–59 | 2 | Nut–Lock |
| 36 | 93–7418 | 2 | Cap–Actuator |
| 37 | 321–6 | 8 | Screw–HH |

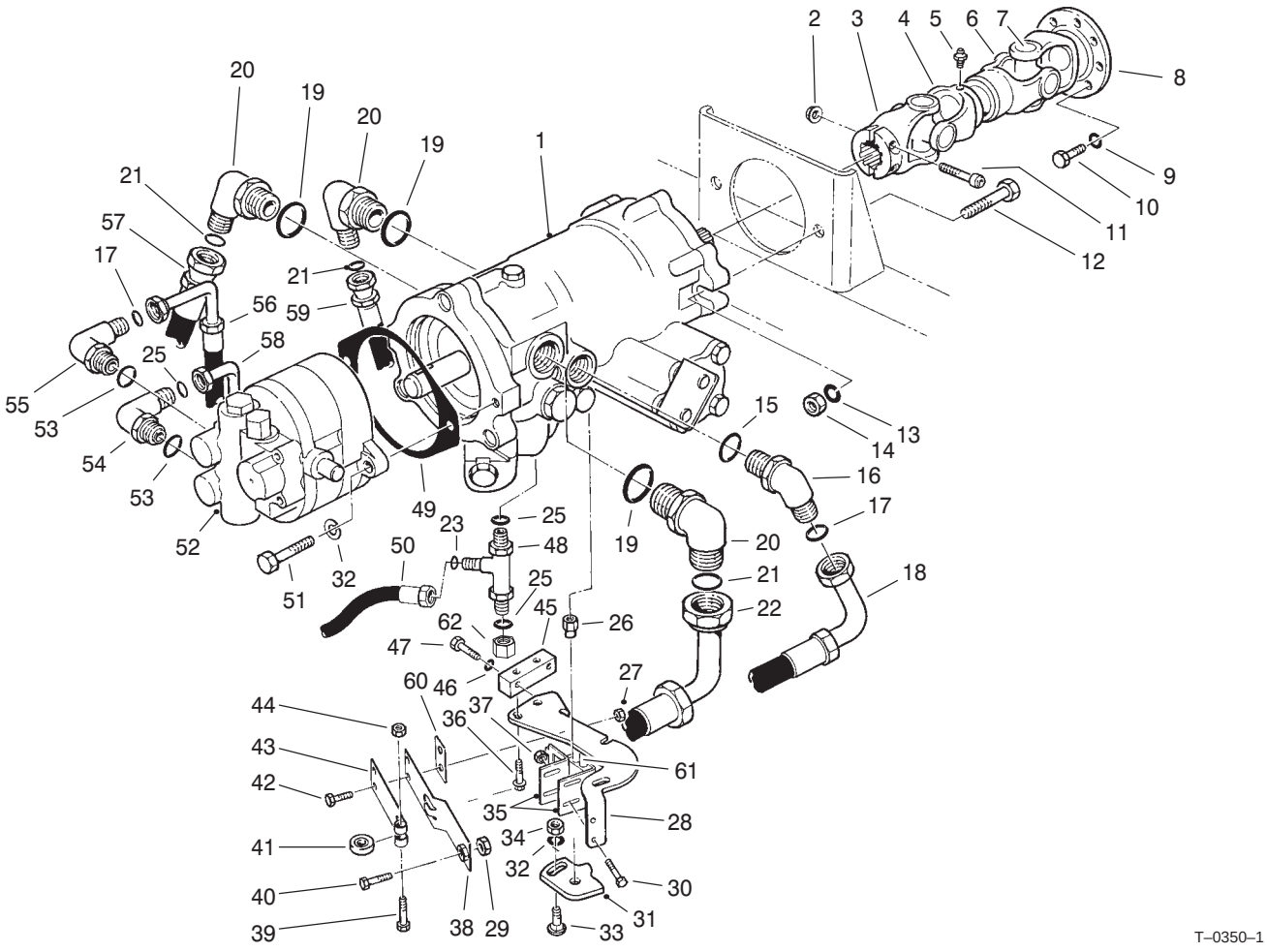
Not Illustrated




# Variable Displacement Pump Installation

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 93–9322 | 1 | Pump–Displacement, Variable |
| 2 | 32128–21 | 2 | Nut–HHF |
| 3 | 93–7189 | 1 | Yoke–End, Pump |
| 4 | 98–0836 | 1 | Tube–Yoke, Slip |
| 5 | 302–2 | 1 | Fitting–Grease |
| 6 | 93–7188 | 1 | Shaft–Yoke, Slip |
| 7 | 92–4187 | 2 | Kit–Joint, Universal |
| 8 | 98–0835 | 1 | Yoke–End, Engine |
| 9 | 3253–6 | 6 | Washer–Lock |
| 10 | 99–6058 | 6 | Screw–HH |
| 11 | 3274–20 | 2 | Screw–HSH |
| 12 | 325–7 | 2 | Screw–HH |
| 13 | 3253–7 | 2 | Washer–Lock |
| 14 | 3217–9 | 2 | Nut–Hex |
| 15 | 237–81 | 1 | O–Ring |
| 16 | 340–131 | 1 | Fitting–Elbow, Hyd. (Incl. Ref. #15 & 17) |
| 17 | 237–30 | 2 | O–Ring |
| 18 | 69–5460 | 1 | Hose–Hydraulic |
| 19 | 237–146 | 3 | O–Ring |
| 20 | 340–15 | 3 | Fitting–Elbow, Hyd. (Incl. Ref. #19 & 21) |
| 21 | 237–58 | 3 | O–Ring |
| 22 | 69–5650 | 1 | Hose–Hydraulic |
| 23 | 237–42 | 1 | O–Ring |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 237–22 | 3 | O–Ring |
| 26 | 69–9020 | 1 | Nut–Special |
| 27 | 32152–4 | 2 | Nut–Lock |
| 28 | 69–9480–03 | 1 | Bracket–Device, Neutral |
| 29 | 3219–2 | 1 | Nut–Hex |
| 30 | 32144–1 | 2 | Screw–HH |
| 31 | 69–9040–03 | 1 | Cam–Device, Neutral |
| 32 | 3253–21 | 3 | Washer–Lock |
| 33 | 3231–30 | 1 | Bolt–CARR |
| 34 | 3217–7 | 1 | Nut–Hex |
| 35 | 93–9337 | 1 | Bracket–Switch |
| 36 | 3234–13 | 4 | Screw–HFH |
| 37 | 32127–11 | 2 | Nut–Flexlok |
| 38 | 29–6170 | 1 | Leaf Spring ASM |
| 39 | 322–17 | 1 | Screw–HH |
| 40 | 3210–7 | 1 | Screw–HH |
| 41 | 251–307 | 1 | Bearing–Detent, Neutral |
| 42 | 321–4 | 2 | Screw–HH |
| 43 | 29–6150 | 1 | Spring–Leaf |
| 44 | 32153–3 | 1 | Nut–Lock |
| 45 | 69–9050 | 1 | Bar–Device, Neutral |
| 46 | 3253–3 | 2 | Washer–Lock |
| 47 | 321–10 | 2 | Screw–HH |



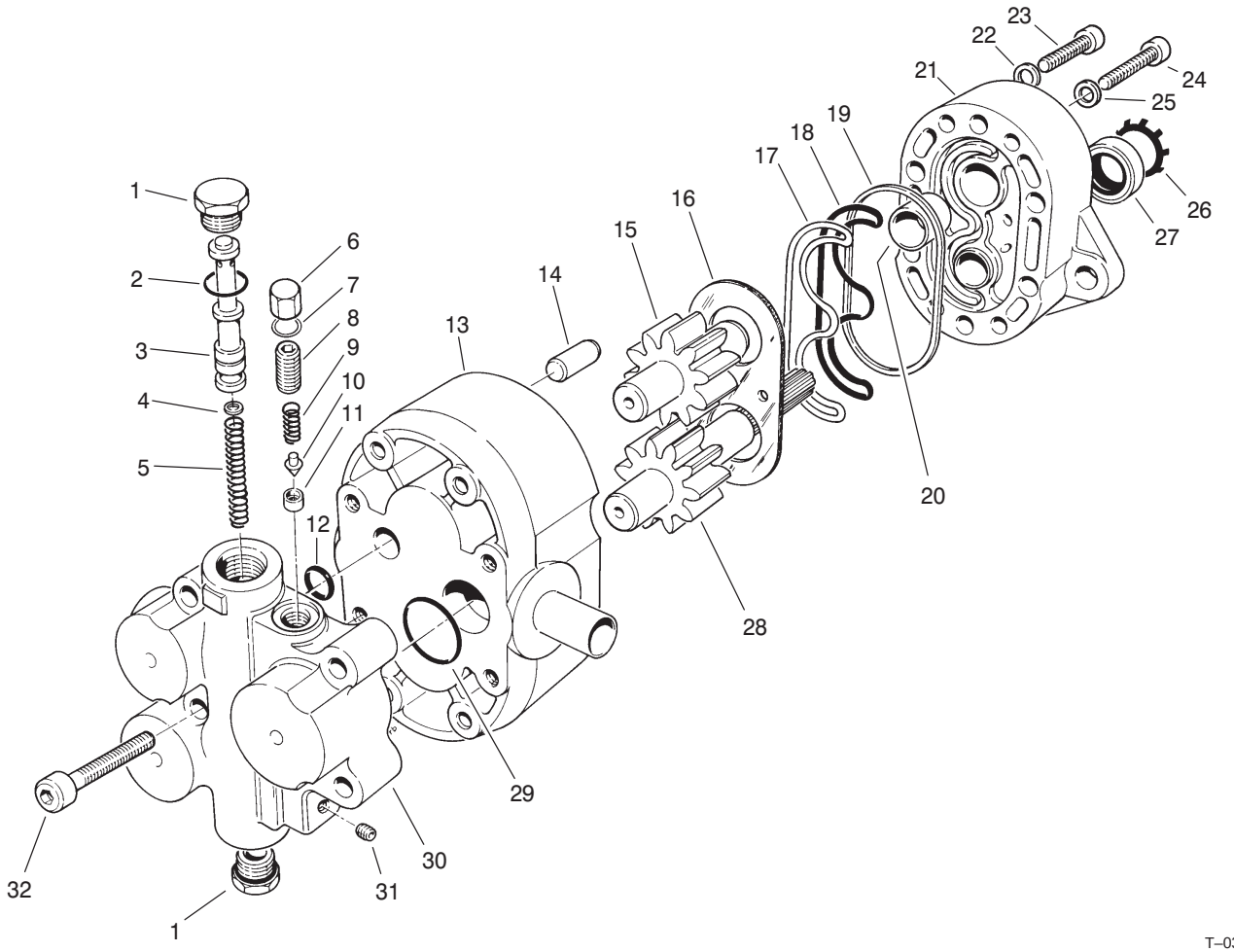

T–0350–1

# Variable Displacement Pump Installation (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 48 | 340–86 | 1 | Fitting–Tee, Hydraulic (Incl. Ref. #23 & 25) |
| 49 | 41–8760 | 1 | Gasket–Pump |
| 50 | 100–4150 | 1 | Hose–Hydraulic |
| 51 | 323–7 | 2 | Screw–HH |
| 52 | 69–2220 | 1 | Pump/Valve |
| 53 | 237–80 | 2 | O–Ring |
| 54 | 340–130 | 1 | Fitting–Elbow, Hydraulic (Incl. Ref. #25 & 53) |
| 55 | 340–105 | 1 | Fitting–Elbow, Hydraulic (Incl. Ref. #17 & 53) |
| 56 | 69–5450 | 1 | Hose–Hydraulic |
| 57 | 100–8014 | 1 | Hose–Hydraulic |
| 58 | 69–5440 | 1 | Hose–Hydraulic |
| 59 | 100–8015 | 1 | Hose–Hydraulic |
| 60 | 51–3150 | 1 | Shim–Spring |
| 61 | 93–7037 | 1 | Switch |
| * | 98–0819 | 1 | Pump Drive Shaft ASM (Incl. Ref. #3–8) |
| 62 | 340–117 | 1 | Fitting–Cap |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

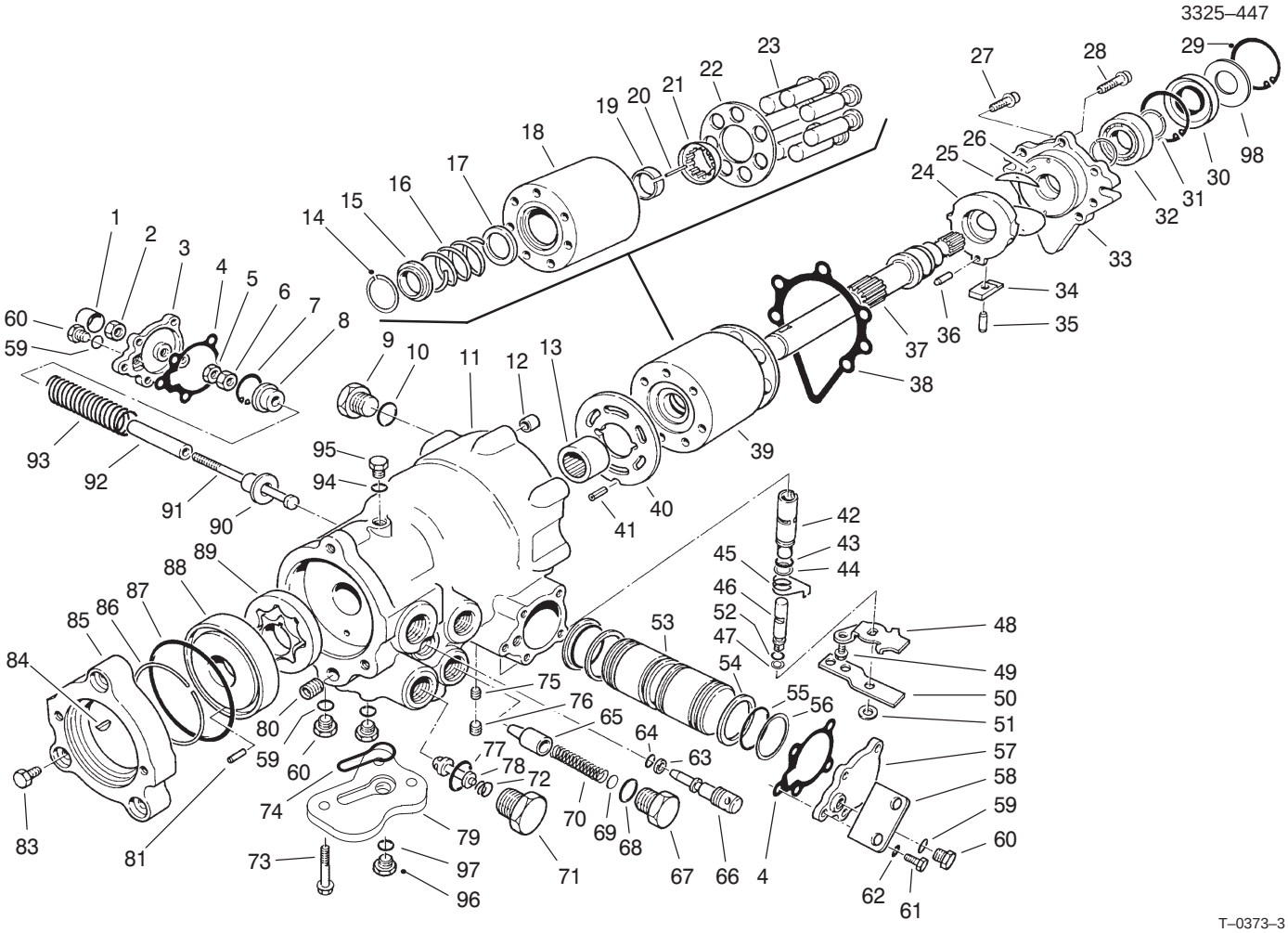



T–0374–1

# Gear Pump and Flow Divider No. 69–2220

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–2410 | 2 | Plug (Incl. Ref. #2) |
| 2 | 69–2420 | 2 | O–Ring |
| 3 | 69–2450 | 1 | Piston |
| 4 | 69–2440 | 1 | Orifice |
| 5 | 69–2430 | 1 | Spring–Compression |
| 6 | 69–2460 | 1 | Cap |
| 7 | 69–2470 | 1 | Gasket–Cap |
| 8 | 69–2480 | 1 | Screw–Set |
| 9 | 69–2490 | 1 | Spring–Compression |
| 10 | 69–2500 | 1 | Poppet |
| 11 | 69–2510 | 1 | Seat |
| 12 | 69–2530 | 1 | O–Ring |
| 13 | 69–2540 | 1 | Cover ASM (Incl. Ref. #20) |
| 14 | 69–2340 | 2 | Pin–Dowel |
| 15 | 69–2280 | 1 | Shaft/Gear–Idler |
| 16 | 69–2320 | 1 | Plate–Wear |
| 17 | 69–2260 | 1 | Seal–Load |
| 18 | 69–2270 | 1 | Seal–Pre–Load |
| 19 | 69–2350 | 1 | Ring–Sealing |
| 20 | 69–2250 | 4 | Bearing–Sleeve |
| 21 | 69–2330 | 1 | Body ASM (Incl. Ref. #20) |
| 22 | 69–2370 | 4 | Washer |
| 23 | 69–2360 | 4 | Screw |
| 24 | 69–2380 | 4 | Screw |
| 25 | 69–2390 | 4 | Washer |
| 26 | 69–2300 | 1 | Ring–Retaining |
| 27 | 69–2310 | 1 | Seal–Shaft |
| 28 | 69–2290 | 1 | Shaft/Gear–Drive |
| 29 | 69–2400 | 1 | O–Ring |
| 30 | 69–2230 | 1 | Flow Divider ASM (Incl. Ref. #1–11 & 31) |
| 31 | 69–2520 | 1 | Plug–Pipe |
| 32 | 69–2240 | 4 | Screw |
| * | 69–2550 | 1 | Kit–Repair, Pump (Incl. Ref. #16–19, 22 & 25–27) |
| * | 69–2560 | 1 | Kit–Repair, Pump & Divider (Incl. Ref. #2, 7, 9–10, 12,16–19, 22, 25–27 & 29) |

* Not Illustrated

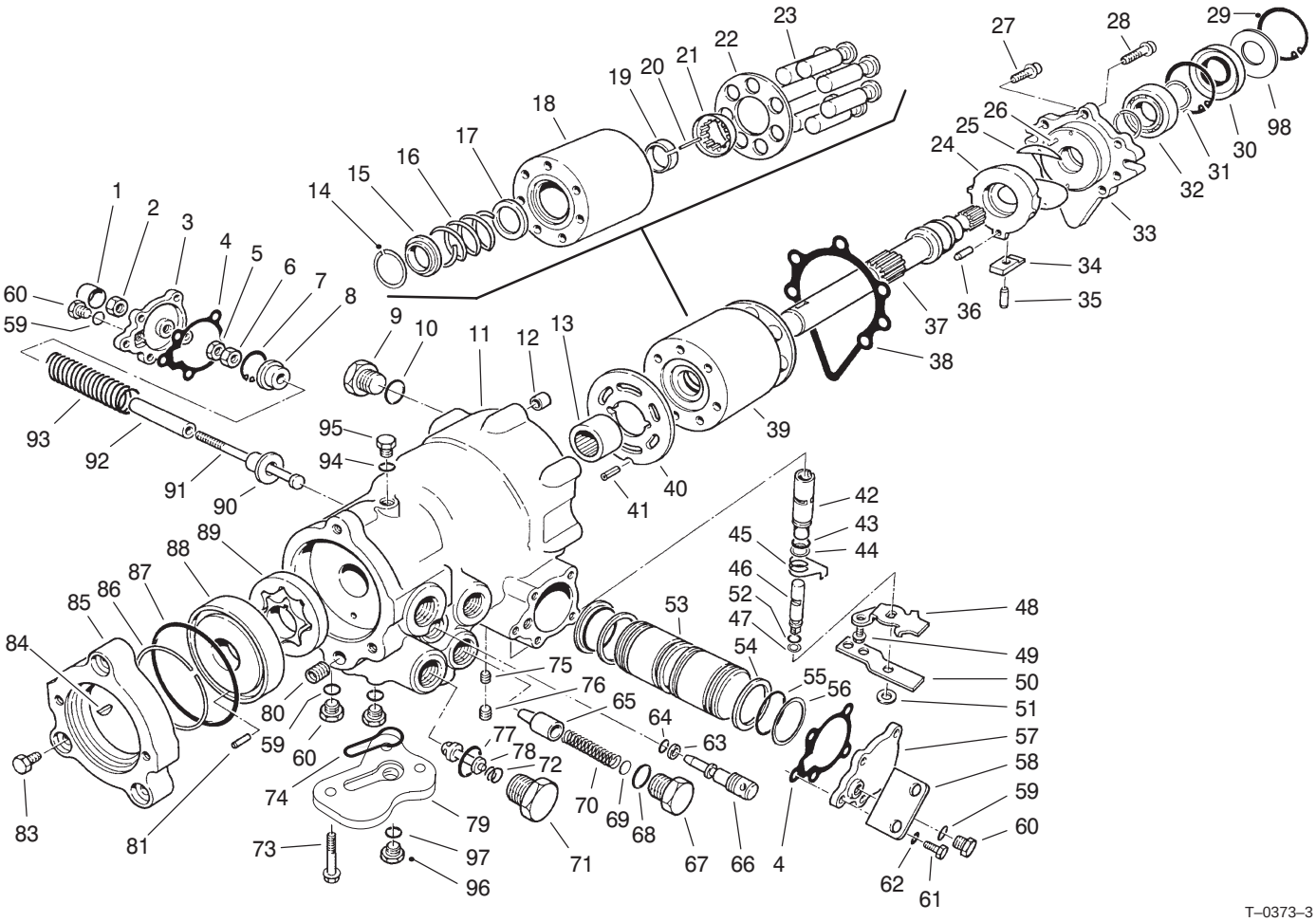



# Variable Displacement Pump No. 93–9322

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–3620 | 1 | Cover–Adjustment, Servo |
| 2 | 69–3630 | 1 | Nut–Special |
| 3 | 69–3640 | 1 | Cover–Servo |
| 4 | 69–3710 | 2 | Gasket–Servo |
| 5 | 69–3610 | 1 | Nut–Jam |
| 6 | 69–3600 | 1 | Nut–Hex |
| 7 | 69–3590 | 1 | Ring–Retaining |
| 8 | 69–3580 | 1 | Guide–Spring |
| 9 | 69–3130 | 1 | Plug (Incl. Ref. #10) |
| †10 | | 1 | O–Ring |
| †11 | | 1 | Housing–Pump |
| 12 | 69–3230 | 1 | Pin–Spring |
| 13 | 69–3370 | 1 | Bearing–Needle |
| †14 | | 1 | Ring–Retaining |
| †15 | | 1 | Washer |
| †16 | | 1 | Spring–Compression |
| †17 | | 1 | Washer |
| †18 | | 1 | Block–Cylinder |
| †19 | | 1 | Retainer |
| †20 | | 3 | Pin–Hold Down, Slipper |
| †21 | | 1 | Guide–Retainer |
| †22 | | 1 | Guide–Slipper |
| †23 | | 7 | Piston ASM |
| 24 | 69–3250 | 1 | Swashplate–Variable |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 69–3240 | 2 | Bearing–Journal |
| 26 | 94–2878 | 2 | Pin |
| 27 | 76–4590 | 6 | Screw |
| 28 | 69–3220 | 1 | Screw |
| 29 | 69–3200 | 2 | Ring–Retaining |
| 30 | 69–3190 | 1 | Seal–Lip |
| 31 | 69–3170 | 2 | Ring–Retaining |
| 32 | 69–3210 | 1 | Bearing–Ball |
| 33 | 76–4610 | 1 | Cover |
| 34 | 69–3500 | 1 | Sleeve–Bearing |
| 35 | 69–3510 | 1 | Pin |
| 36 | 69–3470 | 1 | Pin |
| 37 | 69–3180 | 1 | Pump–Shaft |
| 38 | 76–4600 | 1 | Gasket–Cover |
| 39 | 69–3910 | 1 | Cylinder Block ASM (Incl. Ref #14–23) |
| 40 | 93–9320 | 1 | Plate–Valve, LH |
| 41 | 69–3450 | 1 | Pin |
| 42 | 69–3820 | 1 | Sleeve–Valve, Control |
| 43 | 28–3590 | 1 | O–Ring |
| 44 | 28–3580 | 1 | Ring–Up, Back |
| 45 | 69–3880 | 1 | Spring–Return, Neutral |
| 46 | 69–3830 | 1 | Spool–Valve, Rotary |
| 47 | 25–2630 | 1 | Ring–Back–Up |
| 48 | 69–3890 | 1 | Bracket–Return, Neutral |

† Not Serviceable Separately

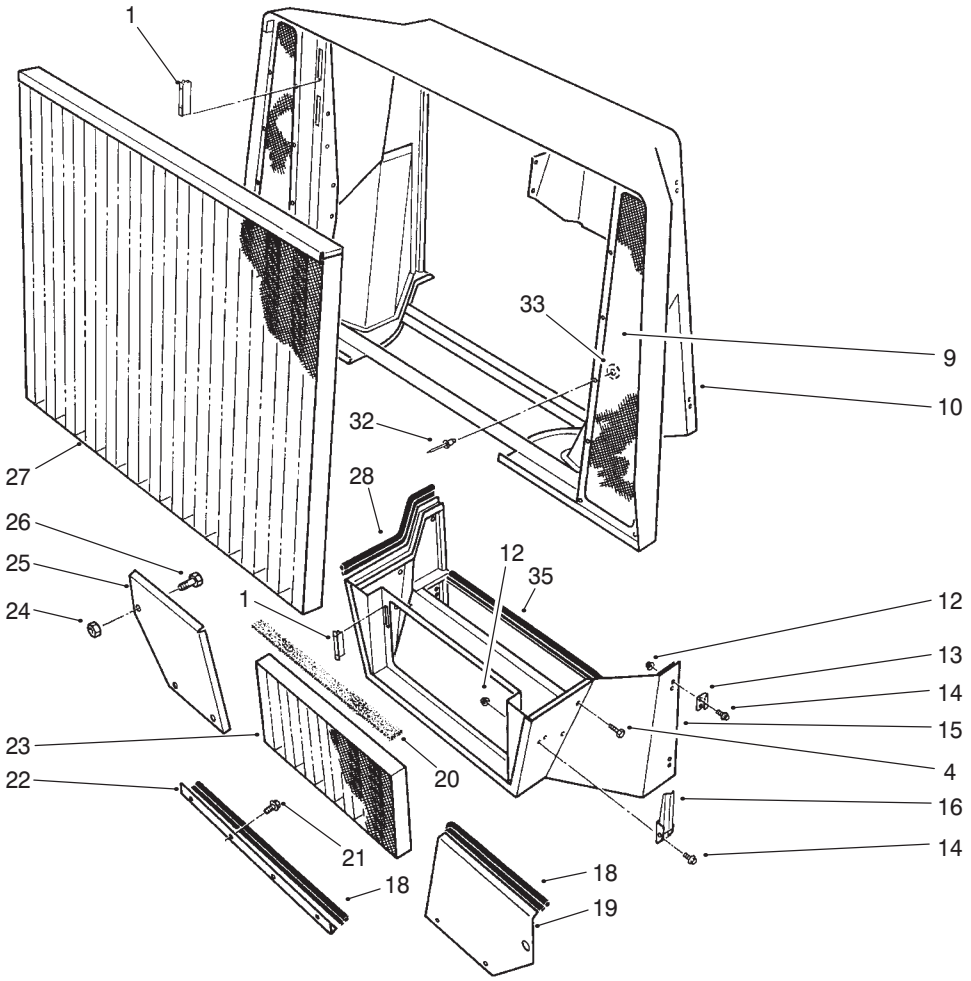



# Variable Displacement Pump No. 93–9322 (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 49 | 69–3860 | 1 | Screw–HFH |
| 50 | 69–3870 | 1 | Handle–Valve, Control |
| 51 | 69–3900 | 1 | Washer |
| 52 | 69–3840 | 1 | O–Ring |
| 53 | 69–3650 | 1 | Piston–Servo |
| 54 | 69–3690 | 2 | Bearing |
| 55 | 69–3560 | 2 | O–Ring |
| 56 | 69–3570 | 2 | Ring–Piston |
| 57 | 69–3720 | 1 | Cover–Servo |
| 58 | 69–3140 | 1 | Bracket–Lifting |
| †59 | | 4 | O–Ring |
| 60 | 69–3080 | 4 | Plug (Incl. Ref. #59) |
| 61 | 69–3150 | 10 | Screw–HH |
| 62 | 69–3070 | 10 | Washer–Lock |
| 63 | 25–2630 | 1 | Ring–Up, Back |
| 64 | 237–22 | 1 | O–Ring |
| 65 | 69–3800 | 1 | Valve |
| 66 | 69–3810 | 1 | Valve–By–Pass |
| 67 | 69–3780 | 1 | Plug (Incl, Ref. #68) |
| 68 | 237–80 | 1 | O–Ring |
| 69 | 69–3770 | 1 | Shim |
| 70 | 69–3790 | 1 | Spring–Compression |
| 71 | 69–3760 | 2 | Plug–Special (Incl. Ref. #77) |
| 72 | 69–3740 | 2 | Spring–Compression |
| 73 | 94–9413 | 3 | Screw |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 74 | 94–9412 | 1 | Seal–Adapter |
| 75 | 93–9321 | 1 | Plug–Orifice |
| 76 | 285–17 | 2 | Plug–Pipe |
| 77 | 69–3750 | 2 | O–Ring |
| 78 | 69–3730 | 2 | Valve–Relief (Incl. Ref.#71, 72 & 77) |
| 79 | 94–9414 | 1 | Adapter–Suction |
| 80 | 69–3460 | 1 | Plug–Expansion |
| 81 | 69–3550 | 1 | Pin |
| 83 | 69–3400 | 3 | Screw–HH |
| 84 | 69–3430 | 1 | Key–Woodruff |
| 85 | 69–3410 | 1 | Adapter–A Flange |
| 86 | 69–3420 | 1 | Ring–Load, Temper |
| 87 | 69–3440 | 1 | O–Ring |
| 88 | 69–3540 | 1 | Cover–Gerotor |
| 89 | 69–3390 | 1 | Gerotor ASM |
| 90 | 69–3700 | 1 | Guide–Spring |
| 91 | 69–3660 | 1 | Screw–Special |
| 92 | 69–3680 | 1 | Stop–Servo |
| 93 | 69–3670 | 1 | Spring–Compression |
| †94 | | 1 | O–Ring |
| 95 | 69–3120 | 1 | Plug (Incl, Ref. #94) |
| 96 | 94–9415 | 1 | Plug (Incl. Ref. #97) |
| †97 | | 1 | O–Ring |
| 98 | 95–4400 | 1 | Washer–Backup |

† Not Serviceable Separately

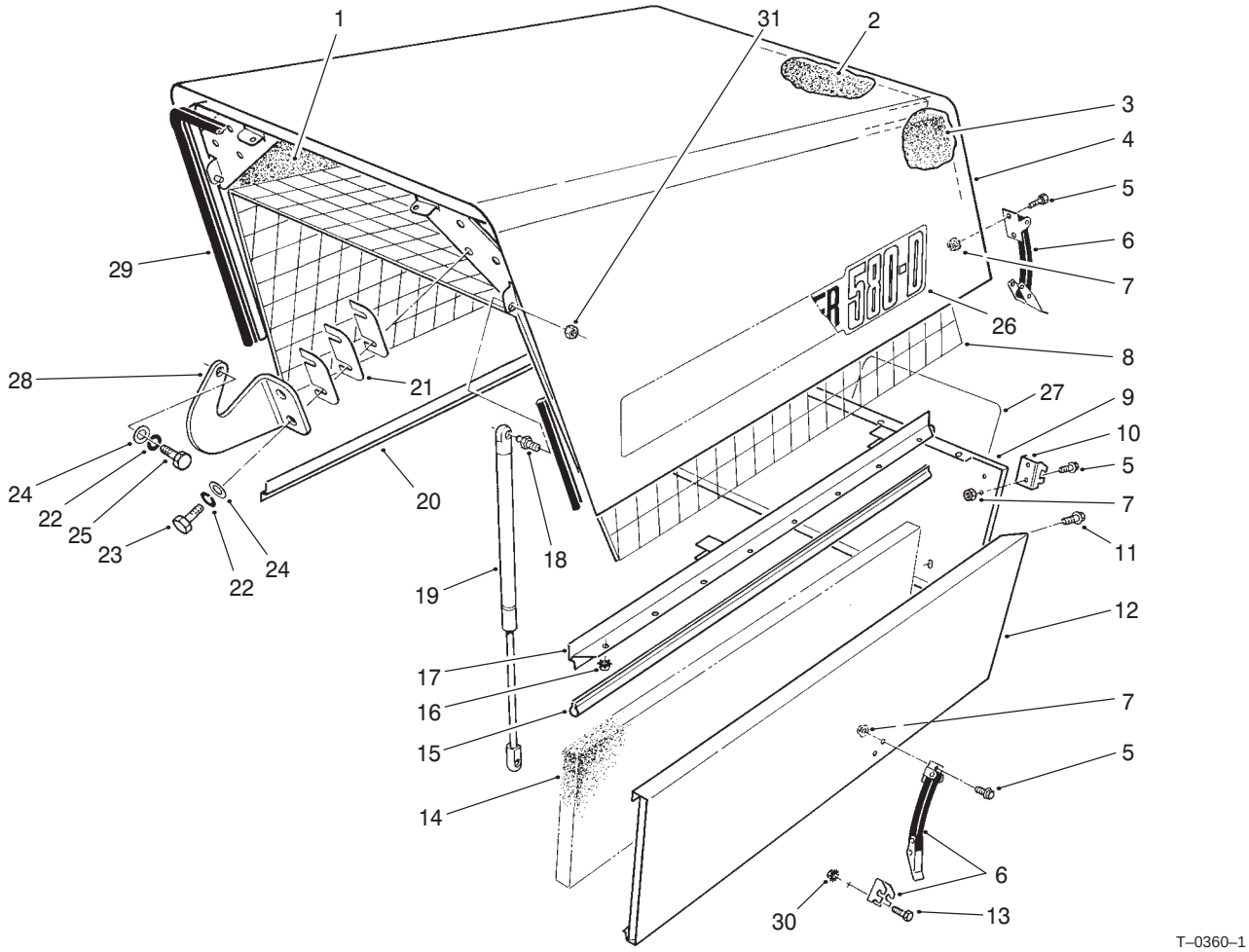



T–2813–1

# Cowl Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 58–4250 | 6 | Magnet |
| 9 | 69–9650–03 | 2 | Screen–Cowl |
| 10 | 98–2365–01 | 1 | Cowl–Radiator |
| 12 | 3296–2 | 20 | Nut–Lock |
| 13 | 69–3030 | 8 | Strike–Latch |
| 14 | 3290–321 | 20 | Screw–HWH |
| 15 | 69–8690–03 | 1 | Support–Grille |
| 16 | 69–3020 | 2 | Handle–Latch |
| 18 | 69–9721 | 3 | Strip–Sealing |
| 19 | 75–9460–03 | 1 | Bracket–Sealing, LH |
| 20 | 69–0040 | 1 | Foam–Grille, Lower |
| 21 | 32144–11 | 8 | Screw–HFH |
| 22 | 75–9480–03 | 1 | Bracket–Sealing, Bottom |
| 23 | 69–7150–03 | 1 | Grille–Lower |
| 24 | 32153–6 | 2 | Nut Lock |
| 25 | 75–9470–03 | 1 | Bracket–Sealing, RH |
| 26 | 328–11 | 2 | Screw–HH |
| 27 | 69–7120–03 | 1 | Grille–Upper |
| 28 | 69–9720 | 2 | Strip–Sealing |
| 32 | 3269–15 | 22 | Rivet–Pop |
| 33 | 3269–6 | 22 | Washer–Backup |
| 35 | 69–9722 | 1 | Trim–Sealing |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

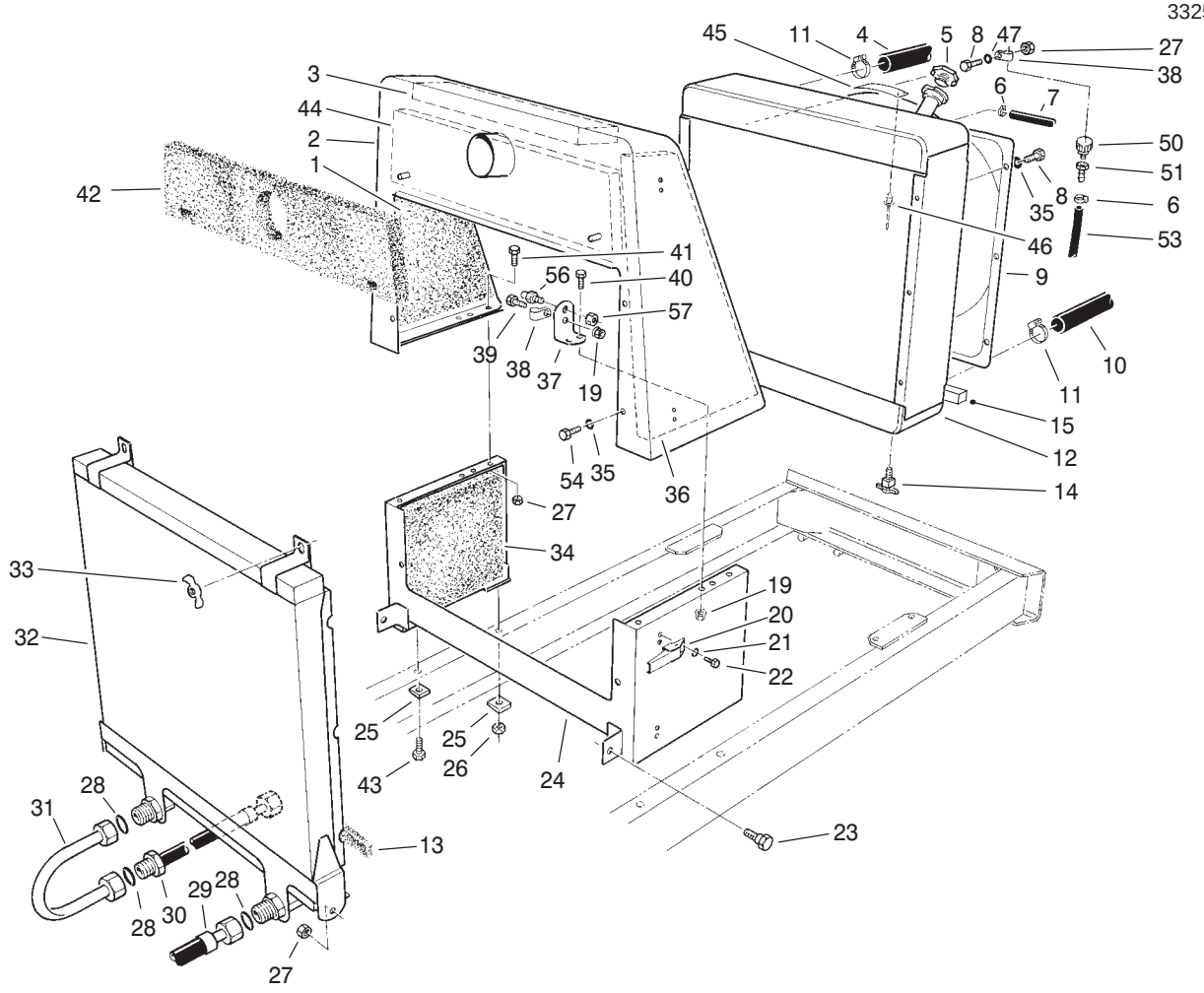



# Hood Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 71–0270 | 1 | Foam–Hood, RH Side |
| 2 | 71–0250 | 1 | Foam–Hood, Top |
| 3 | 71–0260 | 1 | Foam–Hood, LH Side |
| 4 | 92–1772 | 1 | Hood ASM (Incl. Ref.#1–4, 8, 15–17, 20, 26 & 29) |
| 5 | 3290–321 | 12 | Screw–HH |
| 6 | 69–3010 | 4 | Strap–Down, Hold (Incl. Ref. #10) |
| 7 | 3296–2 | 12 | Nut–Lock |
| 8 | 71–0060–03 | 1 | Support–Foam |
| 9 | 69–9520–03 | 1 | Panel–Rear |
| †10 | | 4 | Latch–Hold–Down |
| 11 | 3234–14 | 6 | Screw–HH |
| 12 | 69–1390–03 | 1 | Panel–Side, LH |
| * | 69–1380–03 | 1 | Panel–Side, RH |
| 13 | 3290–134 | 4 | Screw–HH |
| 14 | 71–0400 | 2 | Foam–Panel, Side |
| 15 | 69–9723 | 2 | Seal–Bottom, Hood |
| 16 | 32149–2 | 16 | Nut–Keps |
| 17 | 69–8230–03 | 1 | Bracket–Trim, LH |
| 18 | 88–6770 | 2 | Stud–Ball |
| 19 | 88–6760 | 2 | Spring–Gas |
| 20 | 69–8250–03 | 1 | Bracket–Trim, RH |
| 21 | 69–8500 | 6 | Shim–Bracket, Hinge |
| 22 | 3253–21 | 6 | Washer–Lock |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 323–6 | 4 | Screw–HH |
| 24 | 3256–24 | 6 | Washer–Flat |
| 25 | 323–4 | 2 | Screw–HH |
| 26 | 69–0950 | 2 | Decal–580D |
| 27 | 66–6140 | 1 | Decal–TORO |
| 28 | 98–3026–03 | 2 | Bracket–Hinge |
| 29 | 69–9724 | 1 | Seal–Hood, Front |
| 30 | 32149–7 | 4 | Nut |
| 31 | 32152–1 | 2 | Nut |

* Not Illustrated
† Not Serbiceable Separately

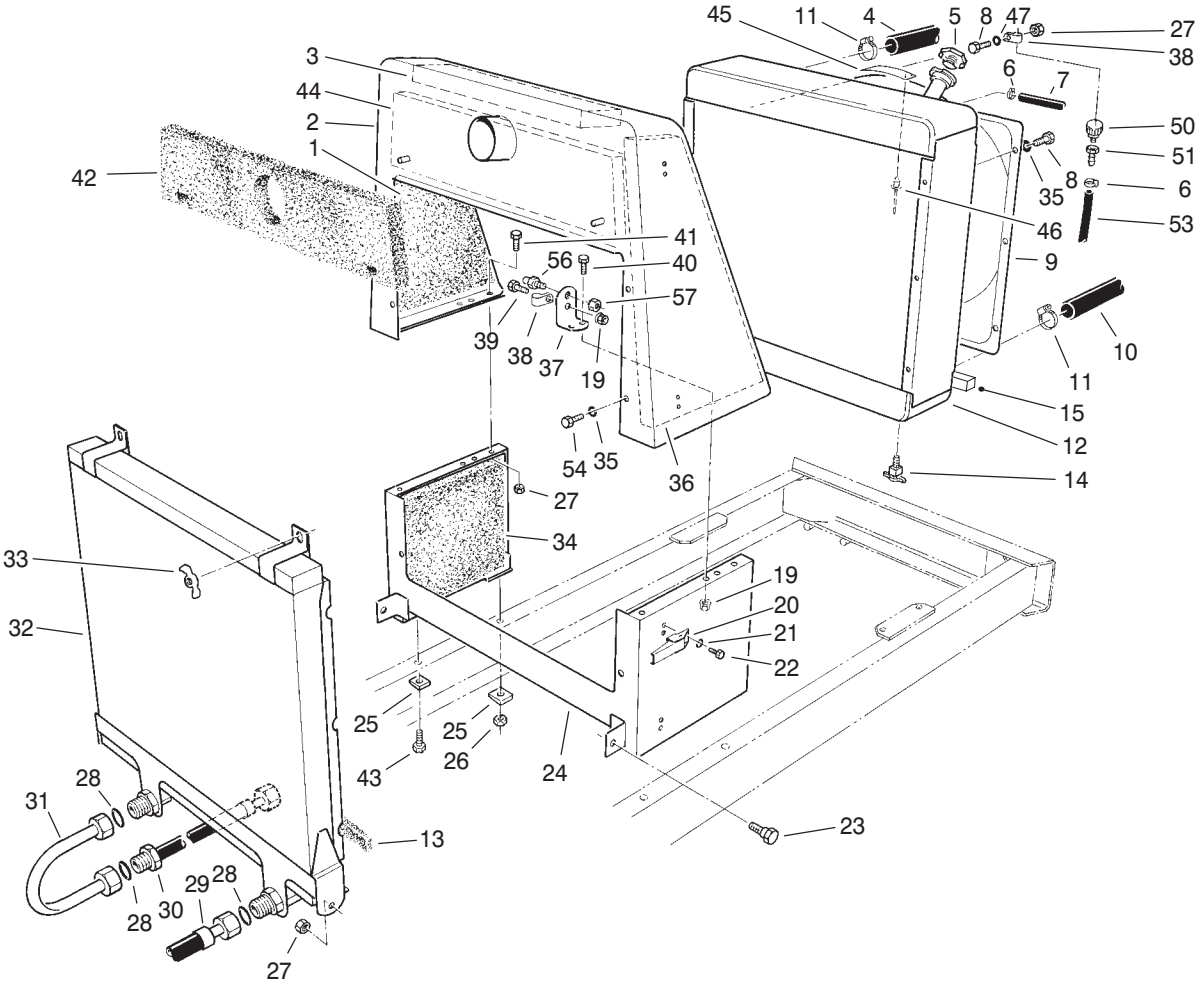



T–2807–2

# Radiator and Oil Cooler Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 71–0350 | 1 | Foam–Radiator Support, RH |
| 2 | 69–8590–03 | 1 | Support–Radiator, Upper |
| 3 | 71–0360 | 1 | Foam–Radiator Support, Top |
| 4 | 98–7320 | 1 | Hose–Radiator, Upper |
| 5 | 66–3241 | 1 | Cap–Radiator |
| 6 | 2412–108 | 2 | Clamp–Hose |
| 7 | 23–2140 | 1 | Hose–Vent, Radiator |
| 8 | 323–34 | 7 | Screw–HH |
| 9 | 98–7318 | 1 | Shroud–Fan (Incl. Ref. #45 & 46) |
| 10 | 95–6456 | 1 | Hose–Radiator, Lower |
| 11 | 2412–92 | 4 | Clamp–Hose |
| 12 | 98–7311 | 1 | Radiator |
| 13 | 71–0210 | 1 | Foam–Seal, Radiator |
| 14 | 304–46 | 1 | Valve–Drain |
| 15 | 98–7348 | 2 | Foam–Seal |
| 19 | 32128–20 | 5 | Nut–HHF |
| 20 | 69–3020 | 8 | Latch |
| 21 | 3253–2 | 16 | Washer–Lock |
| 22 | 3290–321 | 16 | Screw–HH |
| 23 | 46–3380 | 2 | Bolt–Shoulder |
| 24 | 69–7100–03 | 1 | Support–Radiator, Lower |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 3290–216 | 4 | Washer–Bevel |
| 26 | 32153–5 | 4 | Nut–Lock |
| 27 | 32152–2 | 7 | Nut–Lock |
| 28 | 340–65 | 3 | O–Ring |
| 29 | 69–5620 | 1 | Hose–Hydraulic |
| 30 | 69–8450 | 1 | Hose–Hydraulic (Incl. Ref. #28) |
| 31 | 69–5900 | 1 | Tube–Hydraulic |
| 32 | 69–1670 | 1 | Cooler–Oil (Incl. Ref. #28) |
| 33 | 32103–3 | 2 | Nut–Wing |
| 34 | 71–0370 | 2 | Foam–Radiator Support, Lower |
| 35 | 3253–21 | 12 | Washer–Lock |
| 36 | 71–0340 | 1 | Foam–Radiator Support, LH |
| 37 | 88–9450 | 2 | Bracket–Cylinder, Hood |
| 38 | 2412–41 | 2 | Clamp–R |
| 39 | 322–5 | 1 | Screw–HH |
| 40 | 322–6 | 4 | Screw–HH |
| 41 | 323–7 | 4 | Screw–HH |
| 42 | 71–0380 | 1 | Foam–Radiator Support, Front |
| 43 | 325–6 | 4 | Screw–HH |

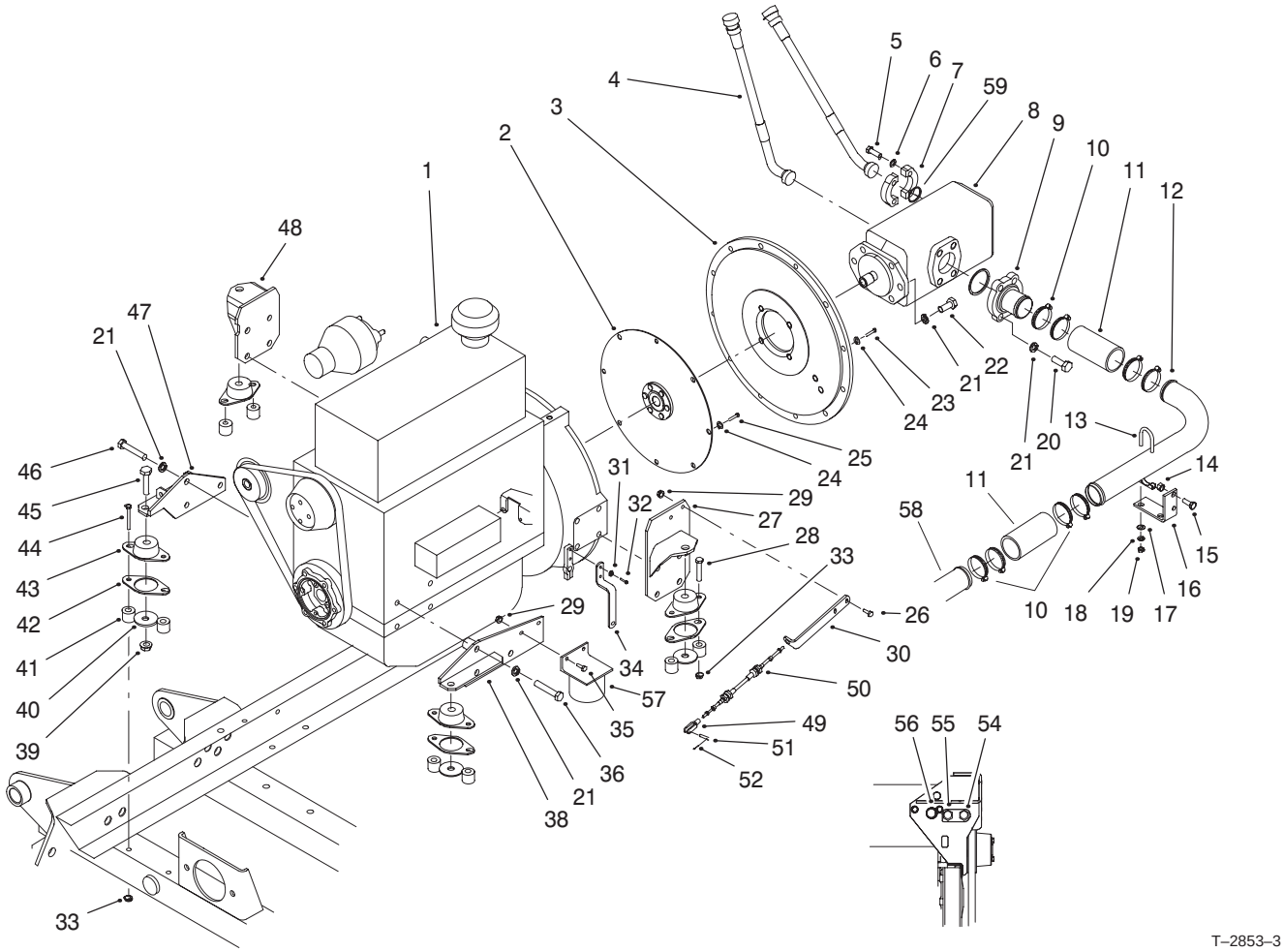



T–2807–2

# Radiator and Oil Cooler Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 44 | 71–0390 | 1 | Foam–Radiator Support, Rear |
| 45 | 76–8750 | 2 | Plate–Caution |
| 46 | 3290–274 | 4 | Rivet–Pop |
| 47 | 3256–56 | 2 | Washer–Flat |
| 50 | 68–6150 | 1 | Breather |
| 51 | 354–95 | 1 | Fitting |
| 53 | 71–2680 | 1 | Hose–Vent |
| 54 | 32144–69 | 6 | Screw–HWH |
| 56 | 88–6770 | 2 | Stud–Ball |
| 57 | 32152–1 | 2 | Nut–Lock |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

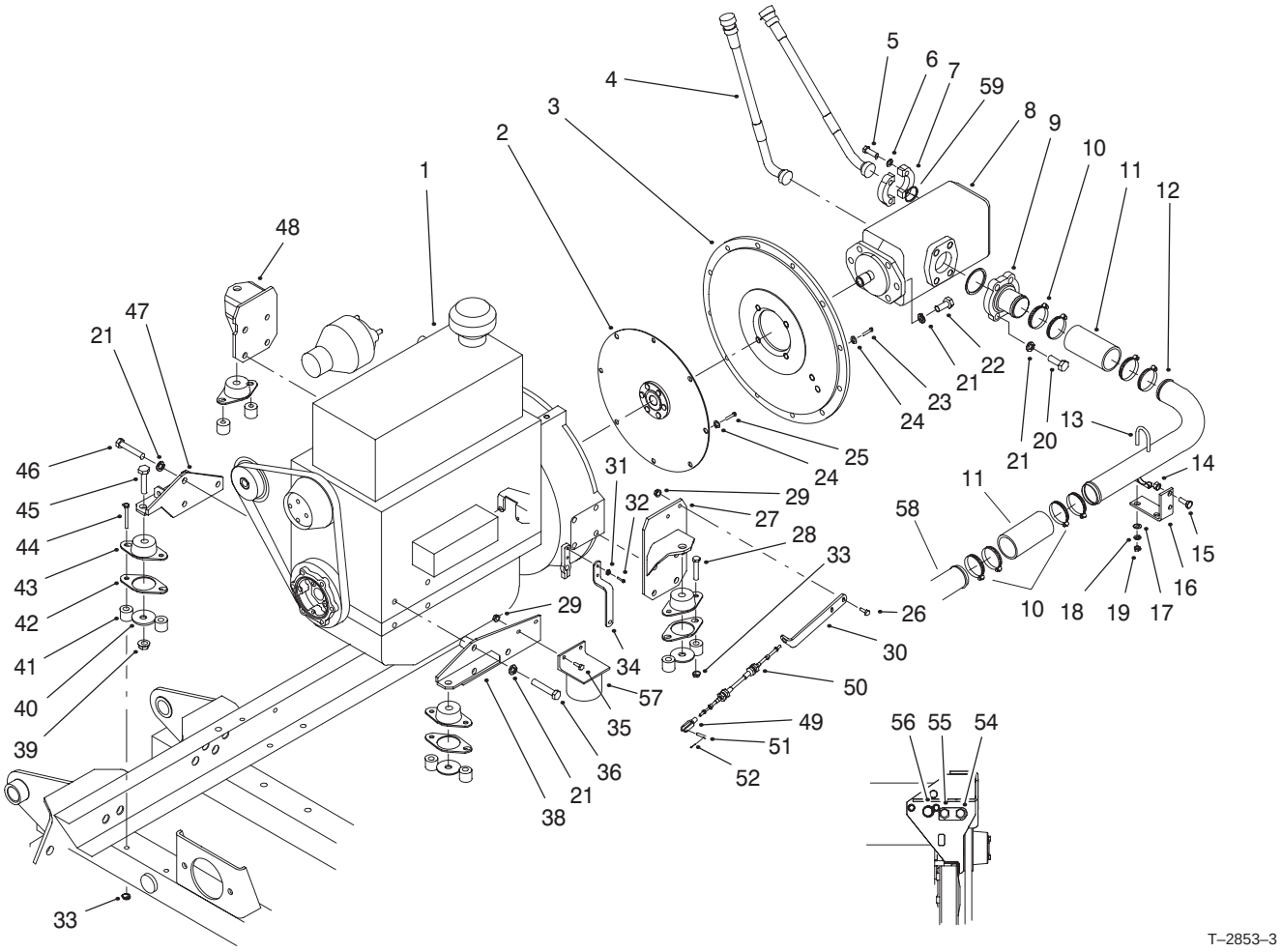



T–2853–3

# Engine Installation Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 95–6499 | 1 | Engine ASM |
| 2 | 99–8879 | 1 | Coupler ASM |
| 3 | 95–6481–03 | 1 | Plate–Adapter, Pump |
| 4 | 98–0655 | 2 | Hose ASM |
| 5 | 323–7 | 8 | Screw–HH |
| 6 | 3253–21 | 8 | Washer–Lock |
| 7 | 353–992 | 4 | Flange–Split |
| 8 | 69–2050–03 | 1 | Pump–Gear, Double |
| 9 | 354–42 | 2 | Flange–Split, Half |
| 10 | 2412–42 | 12 | Clamp–Hose |
| 11 | 69–5640 | 3 | Hose–Suction |
| 12 | 99–4969 | 1 | Tube–Suction |
| 13 | 20–4840 | 2 | Clamp–Muffler |
| 14 | 32152–2 | 4 | Nut–Lock |
| 15 | 323–6 | 4 | Screw–HH |
| 16 | 69–9220–03 | 2 | Bracket–Tube, Suction |
| 17 | 3256–23 | 4 | Washer–Flat |
| 18 | 3253–4 | 4 | Washer–Lock |
| 19 | 3217–6 | 4 | Nut–Hex |
| 20 | 325–6 | 8 | Screw–HH |
| 21 | 3253–7 | 12 | Washer–Lock |
| 22 | 3213–2 | 4 | Screw–HH |
| 23 | 33115–030 | 18 | Screw–HH |
| 24 | 3253–6 | 20 | Washer–Lock |
| 25 | 33115–025 | 8 | Screw–HH |
| 26 | 321–6 | 2 | Screw–HH |

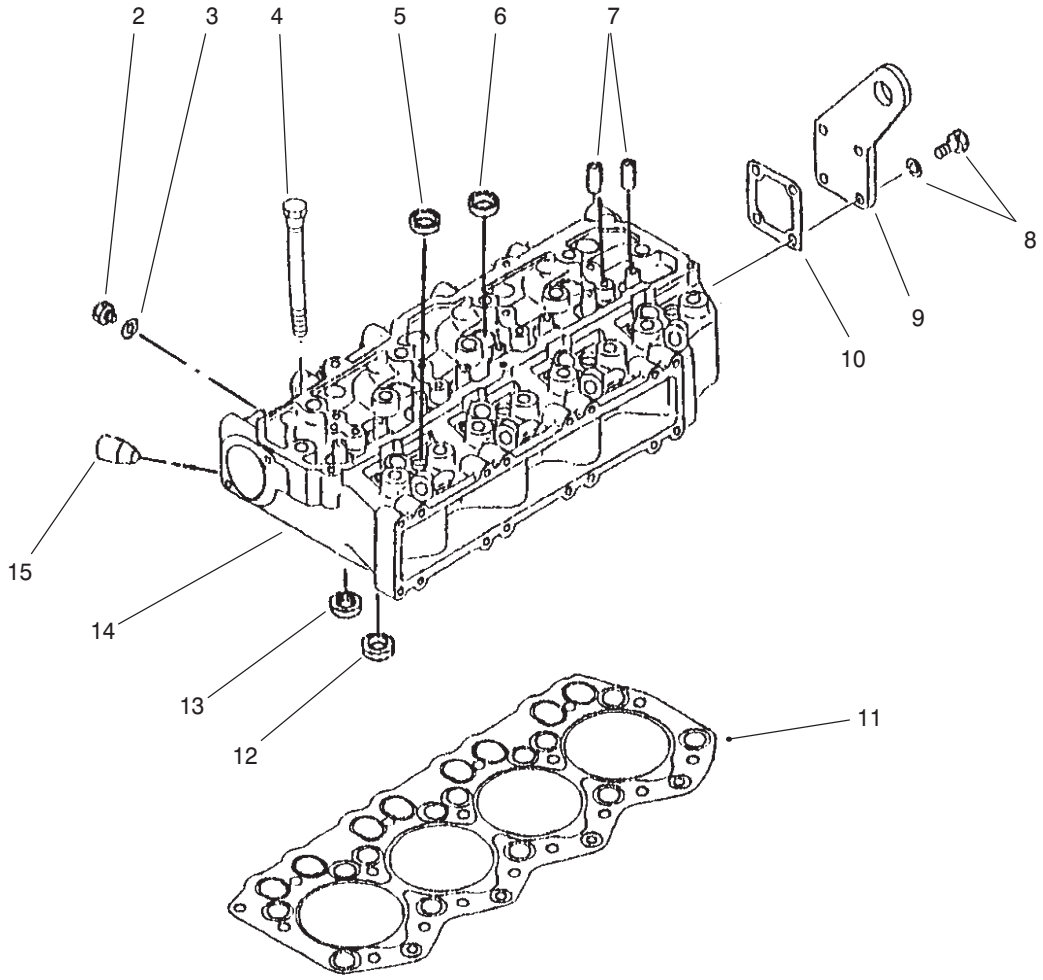
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 95–6465–03 | 1 | LH Rear Mount ASM |
| 28 | 323–10 | 8 | Screw–HH |
| 29 | 32149–2 | 10 | Nut–Lock |
| 30 | 69–8490–03 | 1 | Bracket–Cable, Throttle |
| 31 | 3253–3 | 2 | Washer–Lock |
| 32 | 33113–016 | 2 | Screw–HH |
| 33 | 32128–21 | 8 | Nut–HFH |
| 34 | 95–6489–03 | 1 | Bracket–Throttle |
| 35 | 321–4 | 2 | Screw–HH |
| 36 | 33116–050 | 3 | Screw–HH |
| 38 | 95–6470–03 | 1 | LH Mount ASM |
| 39 | 32128–23 | 4 | Nut–HHF |
| 40 | 98–3023 | 4 | Washer |
| 41 | 95–6486 | 8 | Spacer–Mount |
| 42 | 98–0830 | 4 | Retainer–Mount |
| 43 | 98–3024 | 4 | Mount–Engine |
| 44 | 323–38 | 4 | Screw–HH |
| 45 | 325–9 | 4 | Screw–HH |
| 46 | 33116–030 | 3 | Screw–HH |
| 47 | 95–6467–01 | 1 | RH Mount ASM |
| 48 | 95–6465–03 | 1 | Rear Mount ASM |
| 49 | 282–28 | 1 | Clevis–Adjustable |
| 50 | 77–2990 | 1 | Cable–Throttle |
| 51 | 69–0090 | 1 | Pin–Throttle |




# Engine Installation Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 52 | 3272–1 | 1 | Pin–Cotter |
| 54 | 93–3526 | 1 | Switch |
| 55 | 67–4510 | 1 | Unit–Gauge |
| 56 | 51–5070 | 1 | Switch |
| 57 | 69–1750 | 1 | Fuel Filter ASM |
| 58 | 99–4968 | 1 | Tube–Suction |
| 59 | 340–135 | 2 | O–ring |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



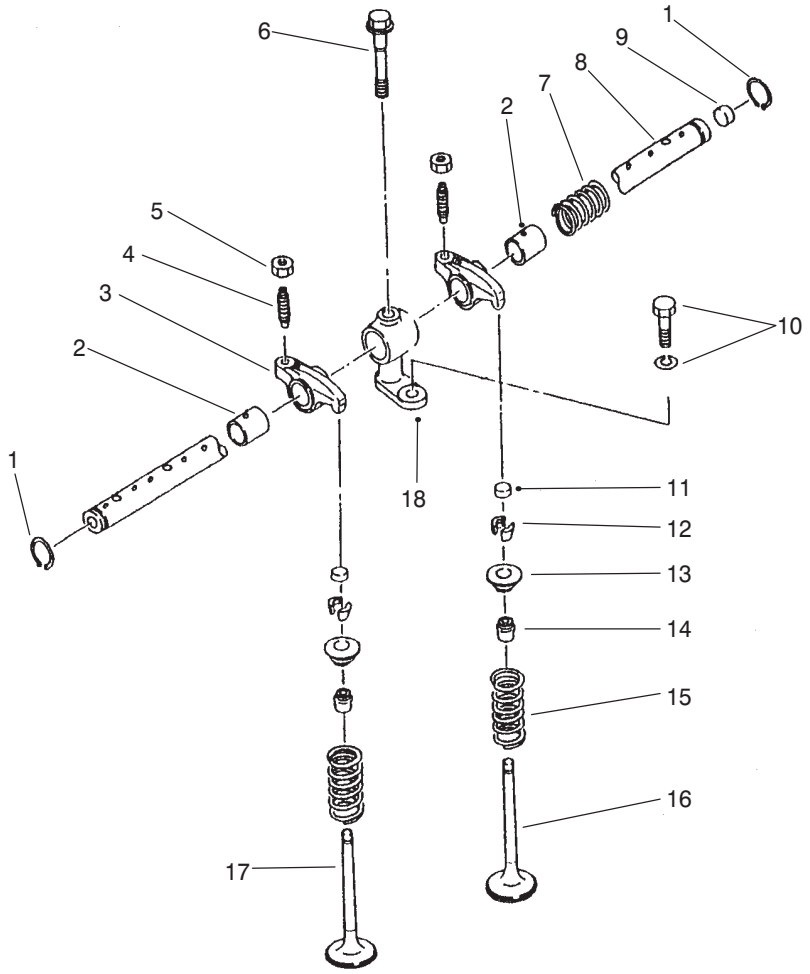

T–2949

# Cylinder Head Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 2 | 99–1812 | 1 | Plug–Drain |
| 3 | 99–1813 | 1 | Gasket |
| 4 | 99–1806 | 17 | Bolt–Head, Cylinder |
| 5 | 99–1801 | 12 | Cap–Sealing, 20mm |
| 6 | 99–1802 | 7 | Cap–Sealing, 25mm |
| 7 | 99–1803 | 8 | Guide–Valve |
| 8 | 99–1811 | 4 | Bolt w/Washer |
| 9 | 99–1808 | 1 | Eye–Lifting, Rear |
| 10 | 99–1809 | 1 | Gasket–Head, Rear |
| 11 | 99–1807 | 1 | Gasket–Head, Cylinder |
| 12 | 99–1804 | 4 | Seat–Valve, Inlet |
| 13 | 99–1805 | 4 | Seat–Valve, Exhaust |
| 14 | | 1 | Head–Cylinder |
| 15 | | 1 | Plug |
| * | 99–1800 | 1 | Cylinder Head ASM (Incl. Ref. #2–3, 5–7 & 12–14) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



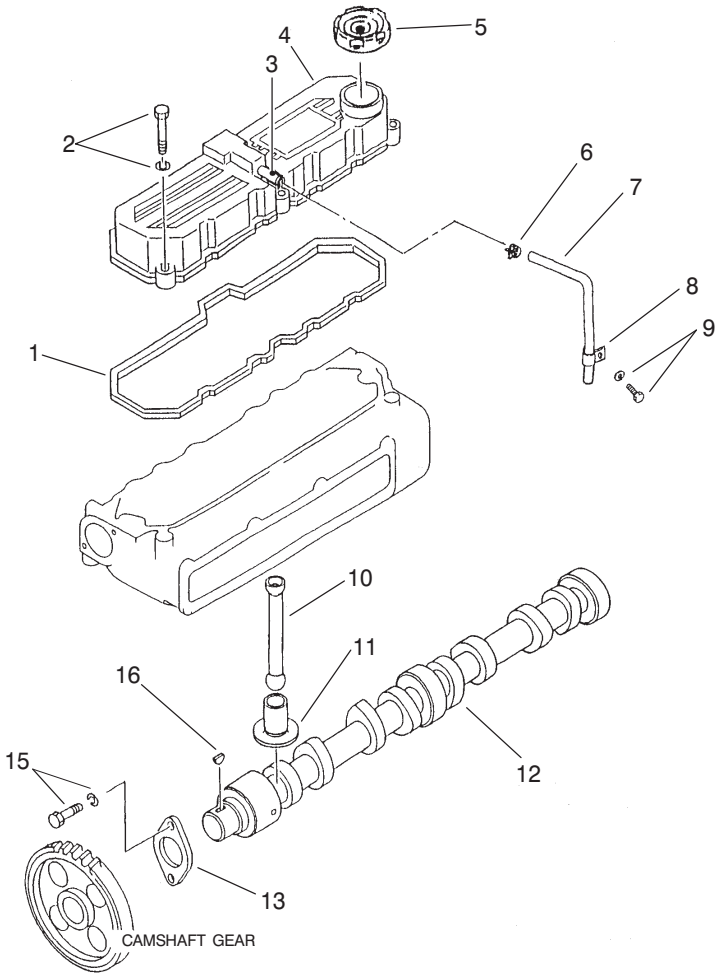

T–2950

# Valve Mechanism Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1822 | 2 | Ring–Snap |
| 2 | | 8 | Bushing–Rocker |
| 3 | | 8 | Rocker |
| 4 | 93–3401 | 8 | Screw–Rocker |
| 5 | 51–5210 | 8 | Nut–Jam |
| 6 | 99–1824 | 4 | Bolt–Bracket, Rocker |
| 7 | 99–1820 | 3 | Spring–Rocker |
| 8 | | 1 | Shaft–Rocker |
| 9 | | 2 | Plug–Shaft, Rocker |
| 10 | 99–1825 | 4 | Bolt w/Washer |
| 11 | 51–5280 | 8 | Cap |
| 12 | 60–7420 | 16 | Cotter–Valve |
| 13 | 99–1816 | 8 | Retainer–Upper |
| 14 | 99–1817 | 8 | Seal–Stem, Valve |
| 15 | 51–5320 | 8 | Spring–Valve |
| 16 | 99–1815 | 4 | Valve–Exhaust |
| 17 | 99–1814 | 4 | Valve–Inlet |
| 18 | 99–1823 | 4 | Bracket–Shaft, Rocker |
| * | 99–1818 | 1 | Rocker & Shaft ASM (Incl. Ref. #1–9) |
| * | 99–1819 | 8 | Rocker ASM (Incl. Ref. #2–5) |
| * | 99–1821 | 1 | Rocker Shaft ASM (Incl. Ref. #8–9) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



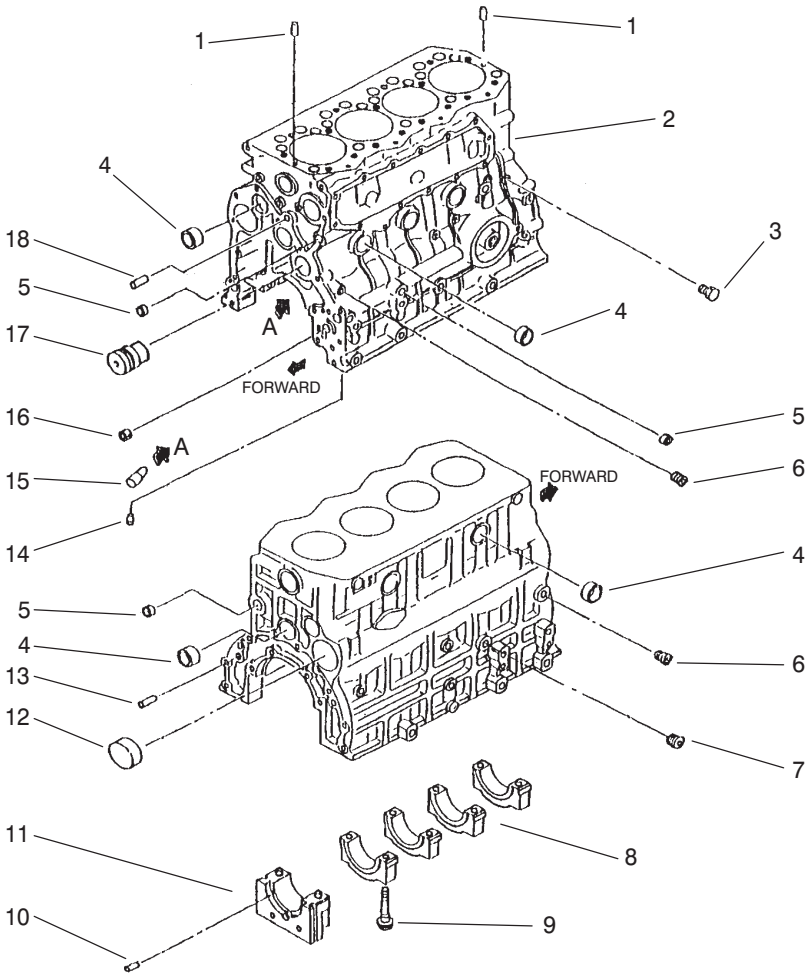

T–2951

# Rocker Cover and Camshaft Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1827 | 1 | Gasket–Rocker |
| 2 | 99–1828 | 5 | Bolt w/Washer |
| 3 | | 1 | Pipe |
| 4 | | 1 | Cover–Rocker |
| 5 | 42–7420 | 1 | Cap–Filter, Oil |
| 6 | 99–1833 | 1 | Clip–Hose |
| 7 | 99–1834 | 1 | Hose–Breather |
| 8 | 99–1835 | 1 | Clip |
| 9 | 99–1836 | 1 | Bolt w/Washer |
| 10 | 99–1832 | 8 | Rod–Push |
| 11 | 99–1831 | 8 | Tappet |
| 12 | 99–1829 | 1 | Camshaft |
| 13 | 51–5470 | 1 | Plate–Thrust |
| 15 | 99–1830 | 2 | Bolt w/Washer |
| 16 | 51–5460 | 1 | Key–Woodruff |
| * | 99–1826 | 1 | Rocker Cover ASM (Incl. Ref. #3–4) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



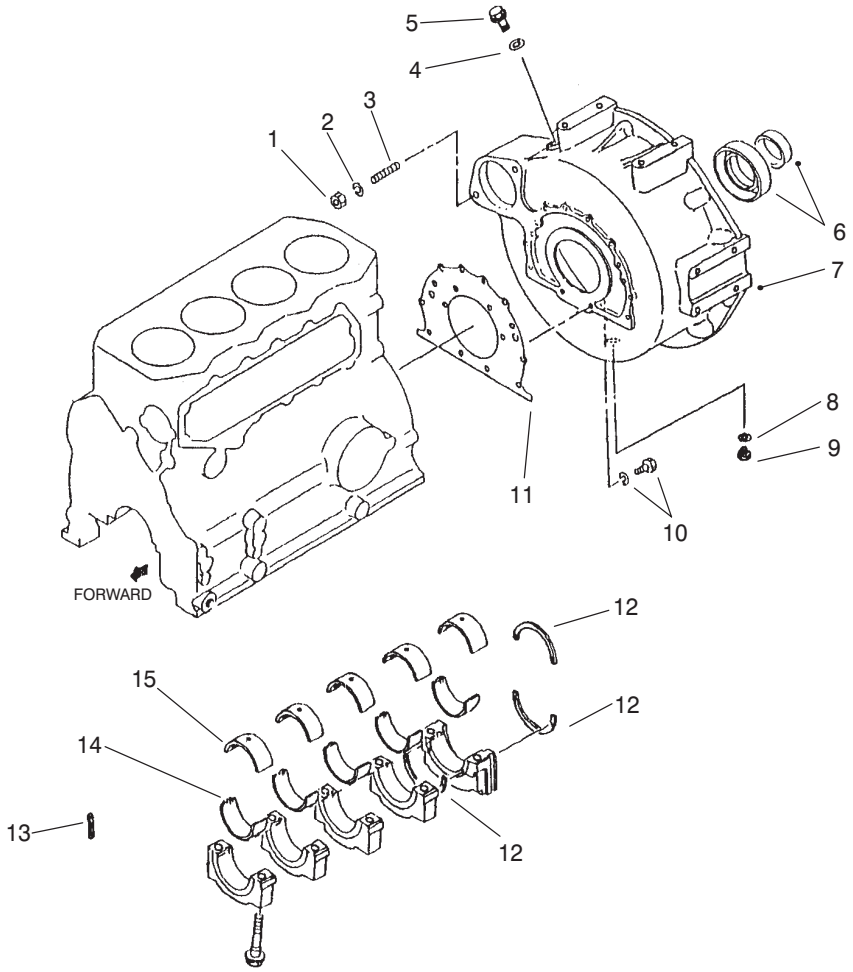

T–2952

# Crankcase Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 93–3365 | 2 | Pin–Dowel |
| 2 | | 1 | Crankcase |
| 3 | 99–1845 | 1 | Plug–Taper |
| 4 | 51–5600 | 10 | Cap–Sealing |
| 5 | 70–3370 | 6 | Cap–Sealing |
| 6 | 86–6240 | 5 | Plug–Taper |
| 7 | 56–0100 | 1 | Plug–Taper |
| 8 | | 4 | Cap–Bearing |
| 9 | 99–1838 | 10 | Bolt–Cap, Bearing |
| 10 | 99–1842 | 6 | Pin–Spring |
| 11 | | 1 | Cap–Bearing |
| 12 | 99–1840 | 1 | Plug–Cam |
| 13 | 70–3000 | 2 | Pin–Dowel |
| 14 | | 3 | Plug |
| 15 | 99–1839 | 4 | Valve–Check |
| 16 | 99–1843 | 1 | Bushing |
| 17 | 99–1844 | 1 | Shaft–Idler |
| 18 | 99–1841 | 1 | Pin–Dowel |
| * | 99–1837 | 1 | Crankcase ASM (Incl. Ref. #1–18) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



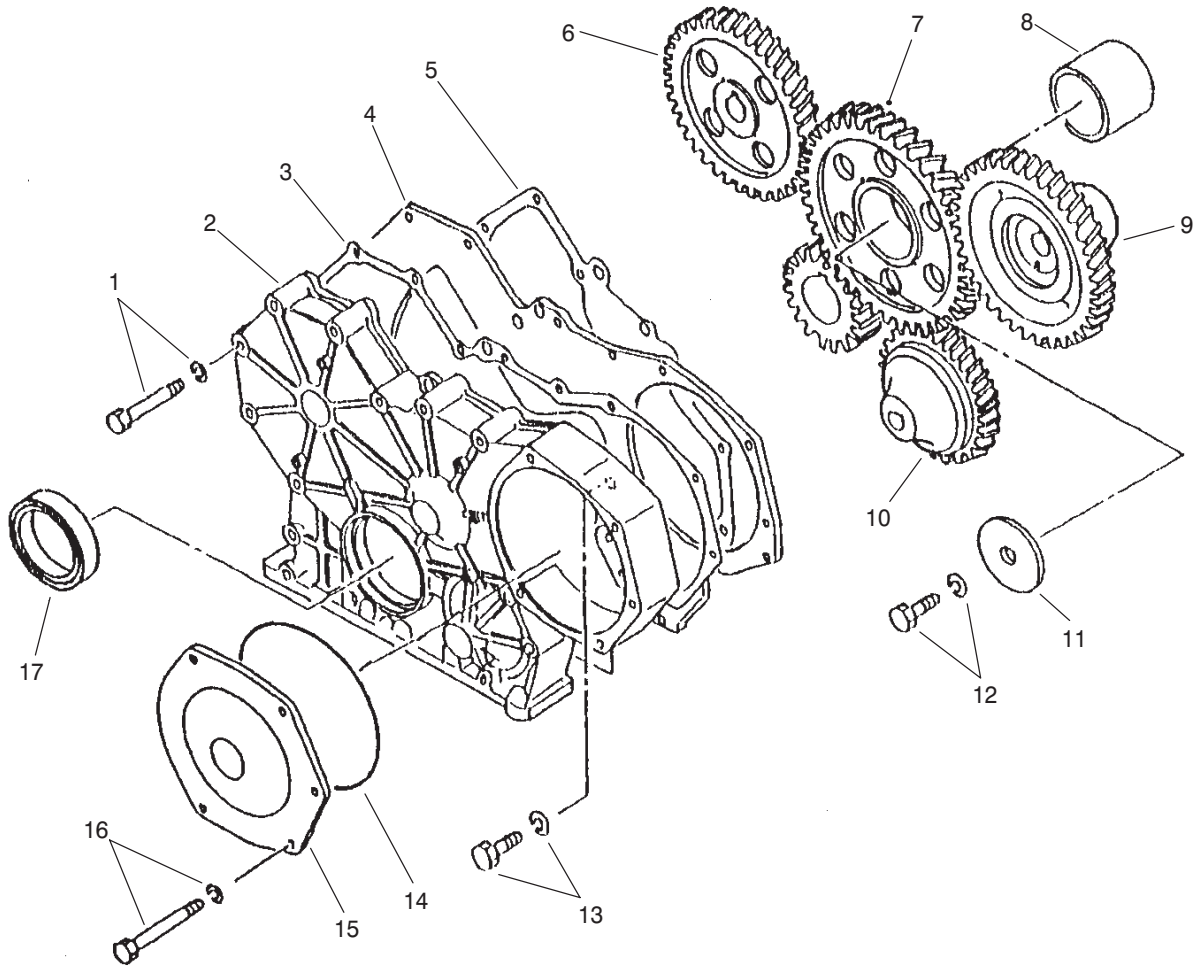

T–2953

# Flywheel Housing and Main Metal Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 51–5970 | 2 | Nut–Lock |
| 2 | 51–6390 | 2 | Washer–Spring |
| 3 | 99–1858 | 2 | Stud |
| 4 | 99–1813 | 1 | Gasket |
| 5 | 99–1812 | 1 | Plug–Drain |
| 6 | 60–7430 | 1 | Seal–Oil |
| 7 | 99–1854 | 1 | Housing–Flywheel |
| 8 | 42–7290 | 1 | Gasket |
| 9 | 67–2520 | 1 | Plug–Drain |
| 10 | 99–1856 | 10 | Bolt w/Washer |
| 10 | 99–1857 | 2 | Bolt w/Washer |
| 11 | 99–1855 | 1 | Gasket–Rear |
| 12 | 99–1850 | 3 | Plate–Thrust Std. |
| 12 | 99–1851 | 1 | Plate–Thrust O.S. 0.15 |
| 12 | 99–1852 | 1 | Plate–Thrust O.S. 0.30 |
| 13 | 99–1853 | 2 | Seal–Side |
| 14 | | 5 | Set–Metal, Main |
| 15 | | 5 | Set–Metal, Main |
| * | 99–1846 | 1 | Set–Metal, Main Std. (Incl. Ref. #14–15) |
| * | 99–1847 | 1 | Set–Metal, Main U.S. .25 (Incl. Ref. #14–15) |
| * | 99–1848 | 1 | Set–Metal, Main U.S. 0.50 (Incl. Ref. #14–15) |
| * | 99–1849 | 1 | Set–Metal, Main U.S. 0.75 (Incl. Ref. #14–15) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



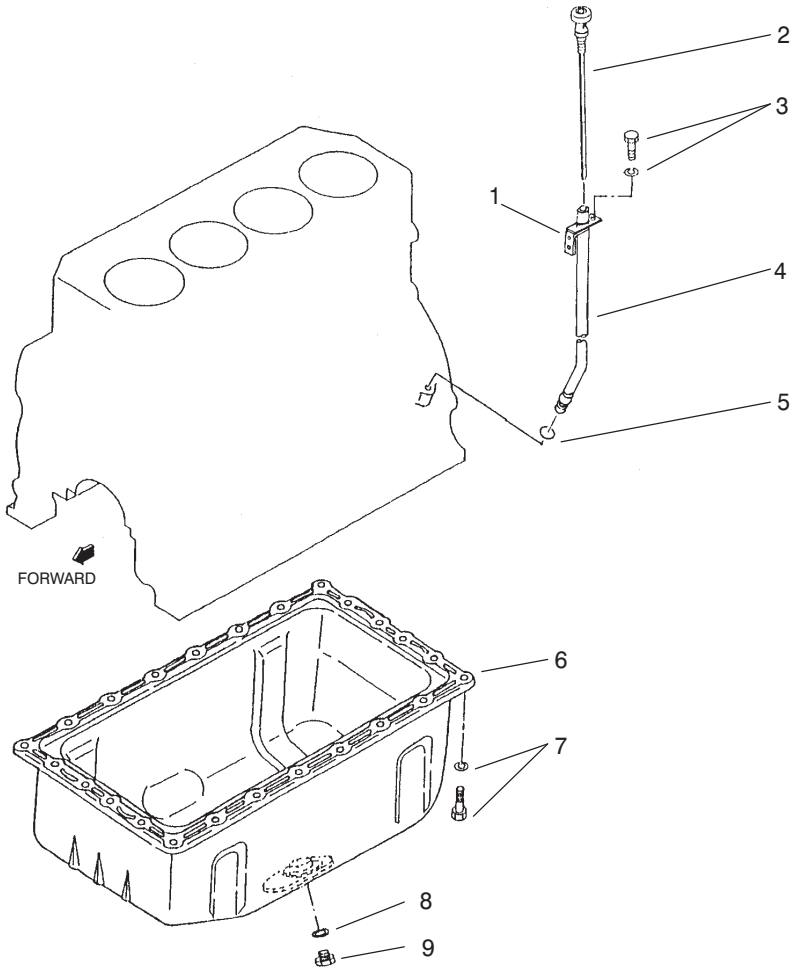

T–2954

# Timing Gear Case and Timing Gear Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1864 | 13 | Bolt w/Washer |
| 2 | 99–1861 | 1 | Case–Gear, Timing |
| 3 | 99–1862 | 1 | Gasket–Gear |
| 4 | 99–1859 | 1 | Plate–Front |
| 5 | 99–1860 | 1 | Gasket–Plate, Front |
| 6 | 99–1868 | 1 | Gear–Camshaft |
| 7 | | 1 | Gear–Idler |
| 8 | | 1 | Bushing |
| 9 | 99–1869 | 1 | Gear–Pump, Injection |
| 10 | 99–1873 | 1 | Gear–Pump, Oil |
| 11 | 99–1871 | 1 | Plate–Thrust |
| 12 | 99–1872 | 1 | Bolt w/Washer |
| 13 | 99–1810 | 5 | Bolt w/Washer |
| 14 | 99–1865 | 1 | O–Ring |
| 15 | 99–1863 | 1 | Cover–Gear, Case |
| 16 | 99–1866 | 5 | Bolt w/Washer |
| 17 | 99–1867 | 1 | Seal–Oil |
| * | 99–1870 | 1 | Idler Gear ASM (Incl. Ref. #7–8) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



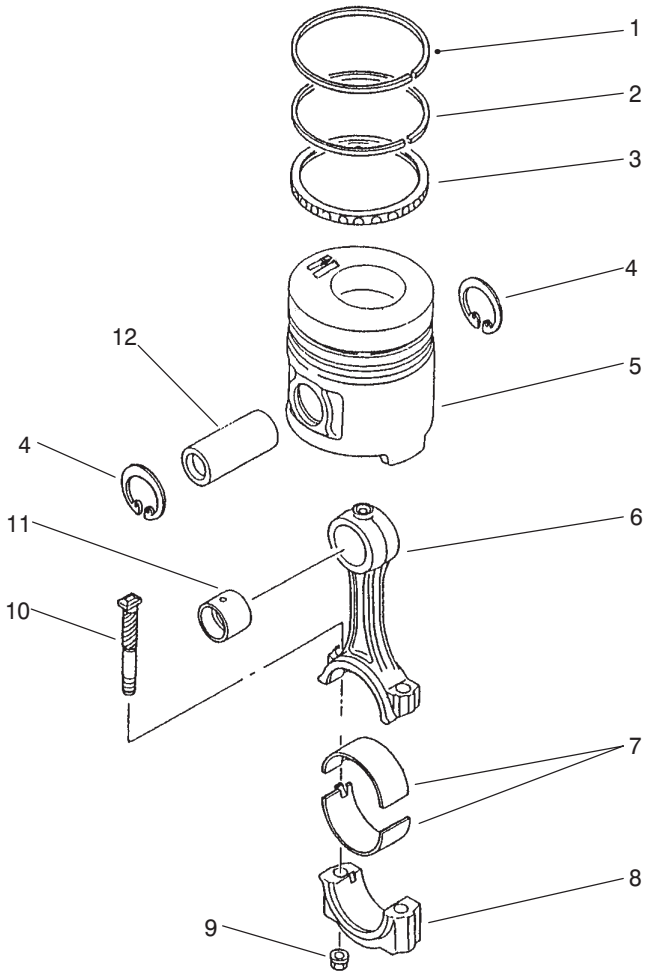

T–2955

# Oil Pan and Oil Level Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1877 | 1 | Bracket–Guide, Gage |
| 2 | 99–1875 | 1 | Gage–Level, Oil |
| 3 | 99–1811 | 1 | Bolt w/Washer |
| 4 | 99–1876 | 1 | Guide–Gage, Oil Level |
| 5 | 99–1878 | 1 | O–Ring |
| 6 | | 1 | Pan–Oil |
| 7 | 99–1810 | 26 | Bolt w/Washer |
| 8 | 68–6430 | 1 | Gasket |
| 9 | 68–6420 | 1 | Plug–Drain |
| * | 99–1874 | 1 | Oil Pan ASM (Incl. Ref. #6, 8 & 9) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



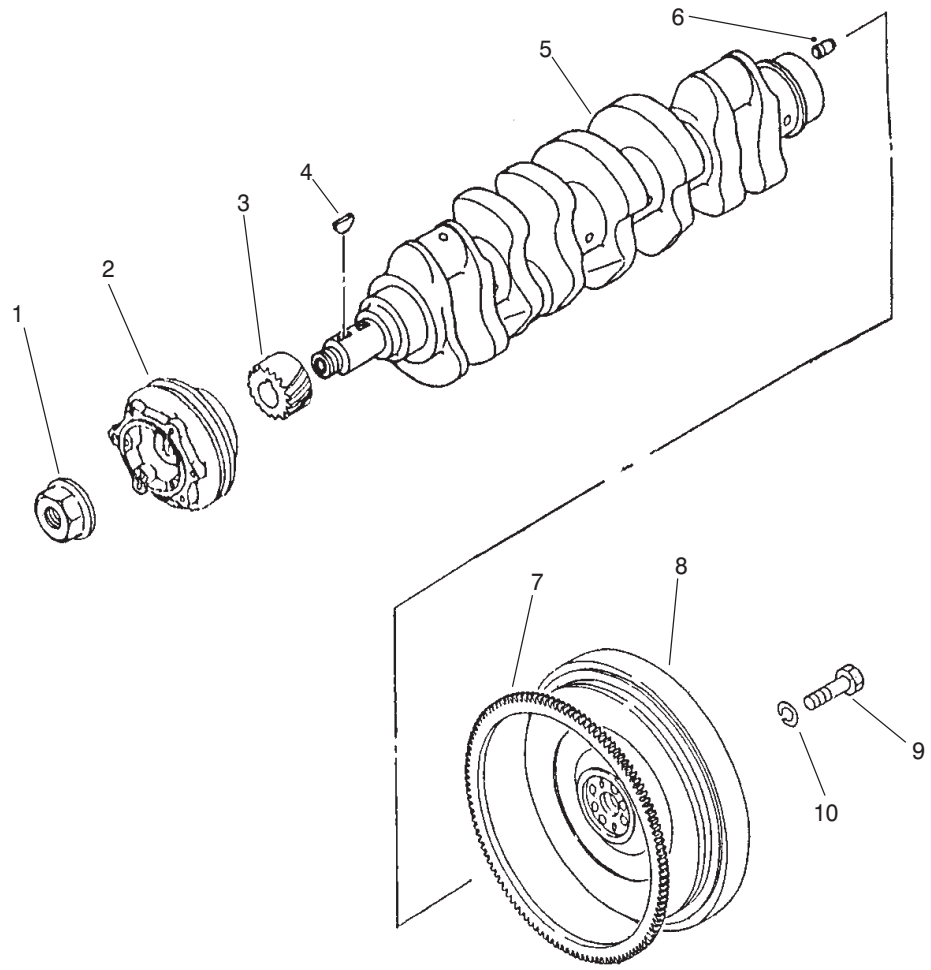

T–2956

# Piston and Connecting Rod Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | | 4 | Ring–No. 1 |
| * | 99–1884 | 4 | Ring–Piston O.S. 0.25 (Incl. Ref. #1–3) |
| 2 | | 4 | Ring–No. 2 |
| * | 99–1885 | 4 | Ring–Piston O.S. 0.50 (Incl. Ref. #1–3) |
| 3 | | 4 | Ring–Oil |
| 4 | 99–1887 | 8 | Ring–Snap |
| 5 | 99–1880 | 4 | Piston–Std. |
| 5 | 99–1881 | 4 | Piston–O.S. 0.25 |
| 5 | 99–1882 | 4 | Piston–O.S. 0.50 |
| 6 | | 4 | Rod–Connecting |
| 7 | 99–1891 | 1 | Set–Metal Std. |
| 7 | 99–1892 | 1 | Set–Metal O.S. 0.25 |
| 7 | 99–1893 | 1 | Set–Metal O.S. 0.50 |
| 7 | 99–1894 | 1 | Set–Metal O.S. 0.75 |
| 8 | | 4 | Cap–Rod, Connecting |
| 9 | 51–6230 | 8 | Nut |
| 10 | 99–1889 | 8 | Bolt–Connecting |
| 11 | 99–1890 | 8 | Bushing–Rod, Connecting |
| 12 | 99–1886 | 4 | Pin–Piston |
| * | 99–1888 | 4 | Connecting Rod ASM (Incl. Ref. #6–11) |
| * | 99–1883 | 4 | Set–Ring, Piston Std (Incl. Ref. #1–3) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



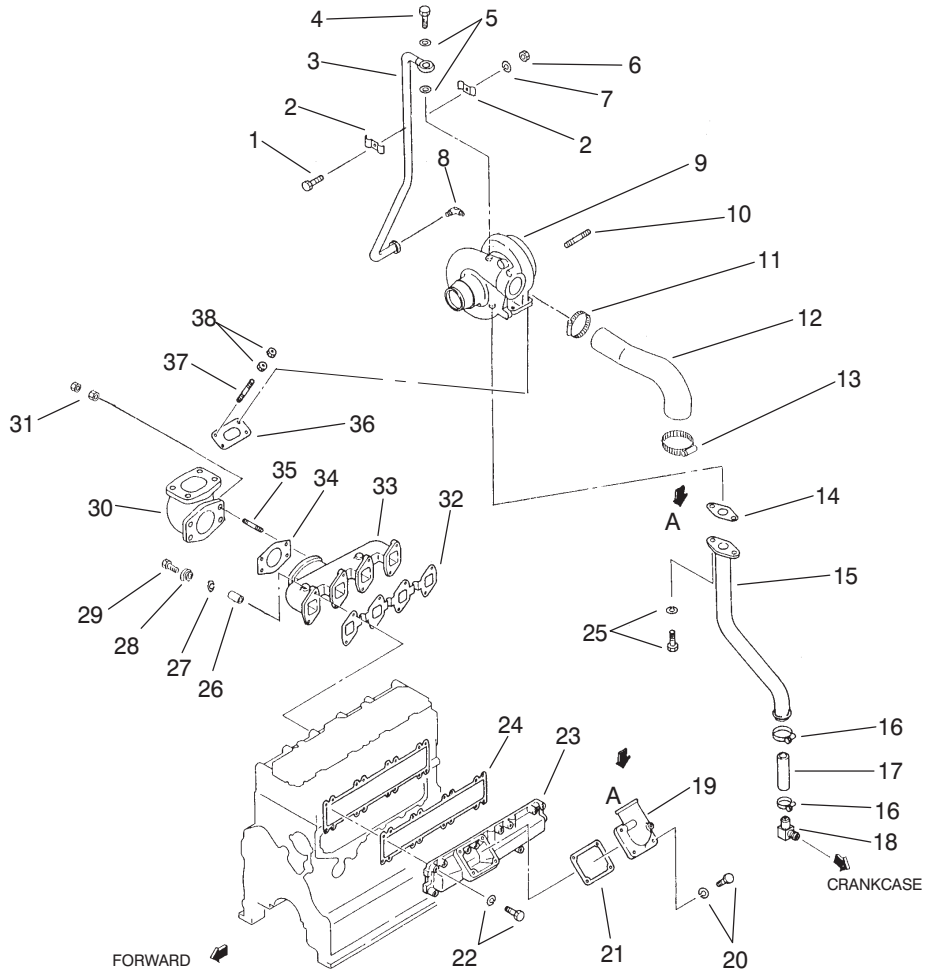

T–2957

# Crankshaft and Flywheel Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1897 | 1 | Nut–Crankshaft |
| 2 | 99–1896 | 1 | Pulley–Crankshaft |
| 3 | 99–1898 | 1 | Gear–Crankshaft |
| 4 | 51–5460 | 2 | Key–Woodruff |
| 5 | | 1 | Crankshaft |
| 6 | 51–6300 | 2 | Pin–Dowel |
| 7 | 99–2100 | 1 | Gear–Ring |
| 8 | | 1 | Flywheel |
| 9 | 70–2880 | 4 | Bolt |
| 10 | 51–8610 | 4 | Washer–Spring |
| * | 99–1895 | 1 | Crankshaft ASM (Incl. Ref. #1–6) |
| * | 99–1899 | 1 | Flywheel ASM (Incl. Ref. #7–8) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

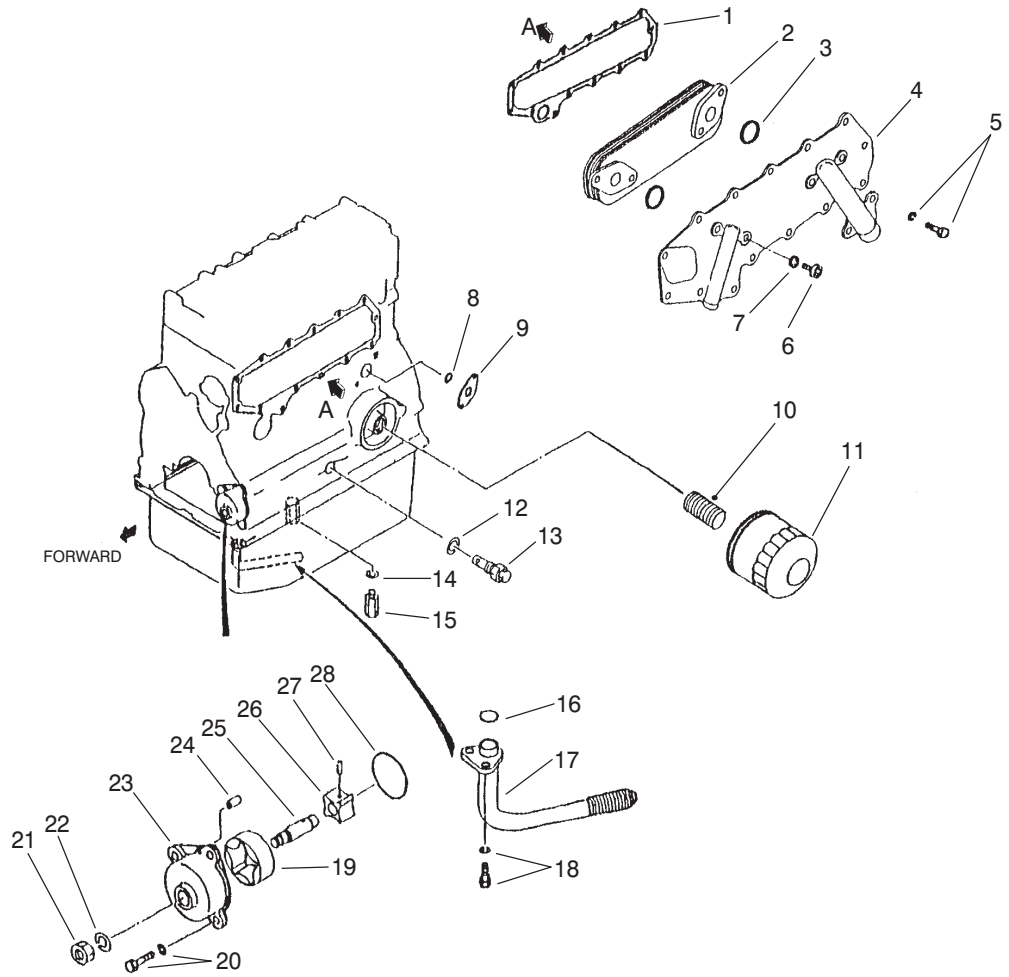



T–2958

# Inlet and Exhaust Manifold Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 60–7290 | 1 | Bolt |
| 2 | 99–2125 | 2 | Clamp |
| 3 | 99–2119 | 1 | Pipe–Oil |
| 4 | 70–4980 | 1 | Bolt–Eye |
| 5 | 51–5060 | 2 | Gasket |
| 6 | 99–2126 | 1 | Nut |
| 7 | 51–7400 | 1 | Washer–Spring |
| 8 | 99–2120 | 1 | Elbow |
| 9 | 99–2124 | 1 | Turbocharger ASM |
| 10 | 99–2115 | 3 | Stud |
| 11 | 99–2117 | 1 | Clamp |
| 12 | 99–2116 | 1 | Hose–Air |
| 13 | 70–3440 | 1 | Clamp |
| 14 | 99–2121 | 1 | Gasket–Pipe, Drain |
| 15 | 99–2118 | 1 | Pipe–Drain, Oil |
| 16 | 70–3090 | 2 | Clamp–Hose |
| 17 | 99–2123 | 1 | Hose–Oil |
| 18 | 70–5310 | 1 | Elbow |
| 19 | 99–2103 | 1 | Elbow–Inlet, Air |
| 20 | 99–1811 | 4 | Bolt w/Washer |
| 21 | 99–2104 | 1 | Gasket–Heater, Air |
| 22 | 99–1828 | 16 | Bolt w/Washer |
| 23 | 99–2101 | 1 | Manifold Inlet ASM |
| 24 | 99–2102 | 1 | Gasket–Manifold, Inlet |
| 25 | 99–2122 | 2 | Bolt w/Washer |
| 26 | 99–2109 | 8 | Spacer |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 51–7250 | 8 | Washer–Spring |
| 28 | 99–2110 | 8 | Washer |
| 29 | 99–2111 | 8 | Bolt w/Washer |
| 30 | 99–2106 | 1 | Pipe–Exhaust |
| 31 | 60–7120 | 8 | Nut |
| 32 | 99–2107 | 1 | Gasket–Exhaust, Manifold |
| 33 | 99–2108 | 1 | Manifold Exhaust ASM |
| 34 | 99–2105 | 1 | Gasket–Exhaust |
| 35 | 70–3480 | 4 | Stud |
| 36 | 99–2114 | 1 | Gasket–Exhaust |
| 37 | 99–2112 | 4 | Stud |
| 38 | 99–2113 | 8 | Nut–Lock |

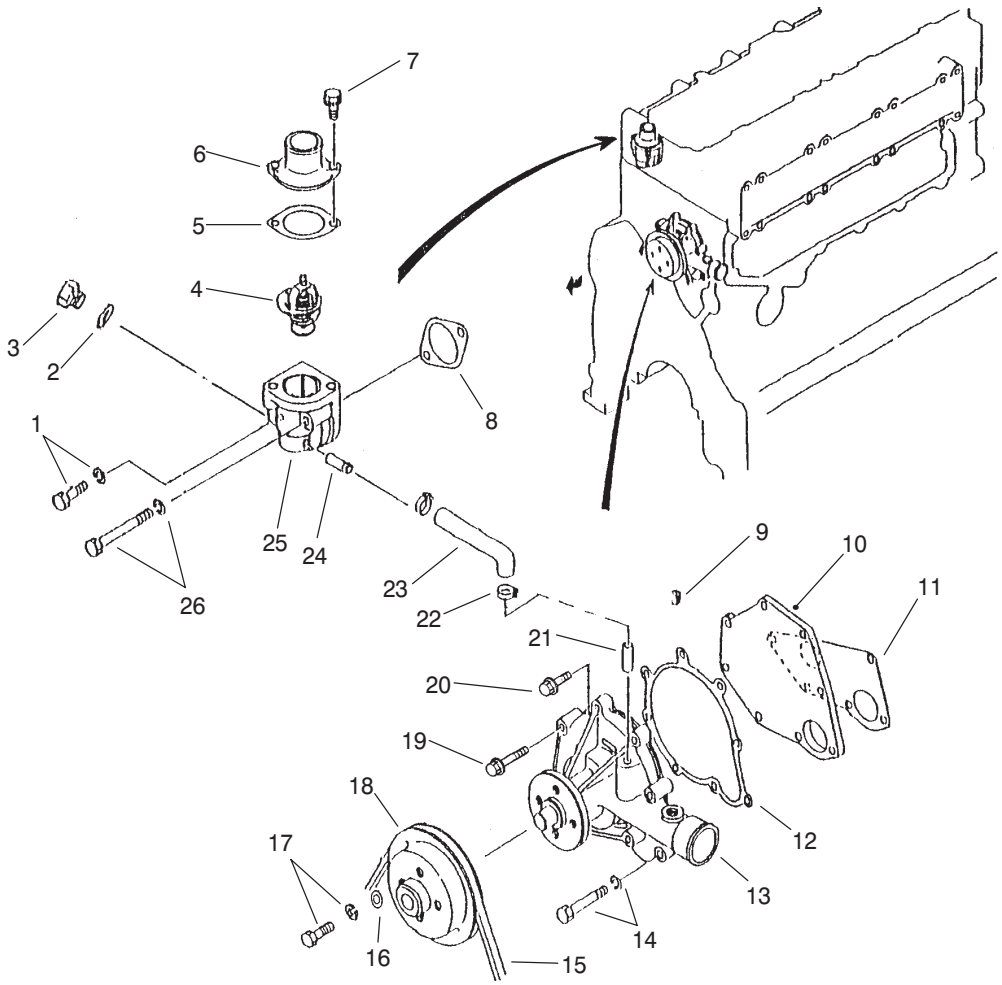



T–2959

# Oil System Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–2139 | 1 | Gasket–Cover, Side |
| 2 | 99–2136 | 1 | Element ASM |
| 3 | 99–2141 | 2 | O–Ring |
| 4 | | 1 | Case ASM |
| 5 | 99–1811 | 16 | Bolt w/Washer |
| 6 | 99–2138 | 4 | Bolt–Cooler, Oil |
| 7 | 99–2142 | 4 | Gasket |
| 8 | 99–2131 | 2 | O–Ring |
| 9 | 99–2140 | 1 | Gasket |
| 10 | 99–2144 | 1 | Union–Filter, Oil |
| 11 | 99–2143 | 1 | Cartridge–Oil |
| 12 | 93–3417 | 1 | Gasket |
| 13 | 99–2132 | 1 | Valve |
| 14 | 99–2134 | 1 | Gasket |
| 15 | 99–2133 | 1 | Valve |
| 16 | 99–2131 | 1 | O–Ring |
| 17 | 99–2130 | 1 | Strainer–Oil |
| 18 | 99–1830 | 2 | Bolt w/Washer |
| 19 | | 1 | Rotor–Outer |
| 20 | 99–1811 | 4 | Bolt w/Washer |
| 21 | 99–2129 | 1 | Nut–Jam |
| 22 | 51–6390 | 1 | Washer–Spring |
| 23 | | 1 | Case–Pump, Oil |
| 24 | | 2 | Pin–Dowel |
| 25 | | 1 | Shaft–Pump, Oil |
| 26 | | 1 | Rotor–Inner |
| 27 | | 1 | Pin |
| 28 | 99–2128 | 1 | O–Ring |
| * | 99–2127 | 1 | Oil Pump ASM (Incl. Ref.#19 & 23–27) |
| * | 99–2137 | 1 | Case ASM |
| * | 99–2135 | 1 | Oil Cooler ASM (Incl. Ref. #2–4 & 6–7) |

* Not Illustrated



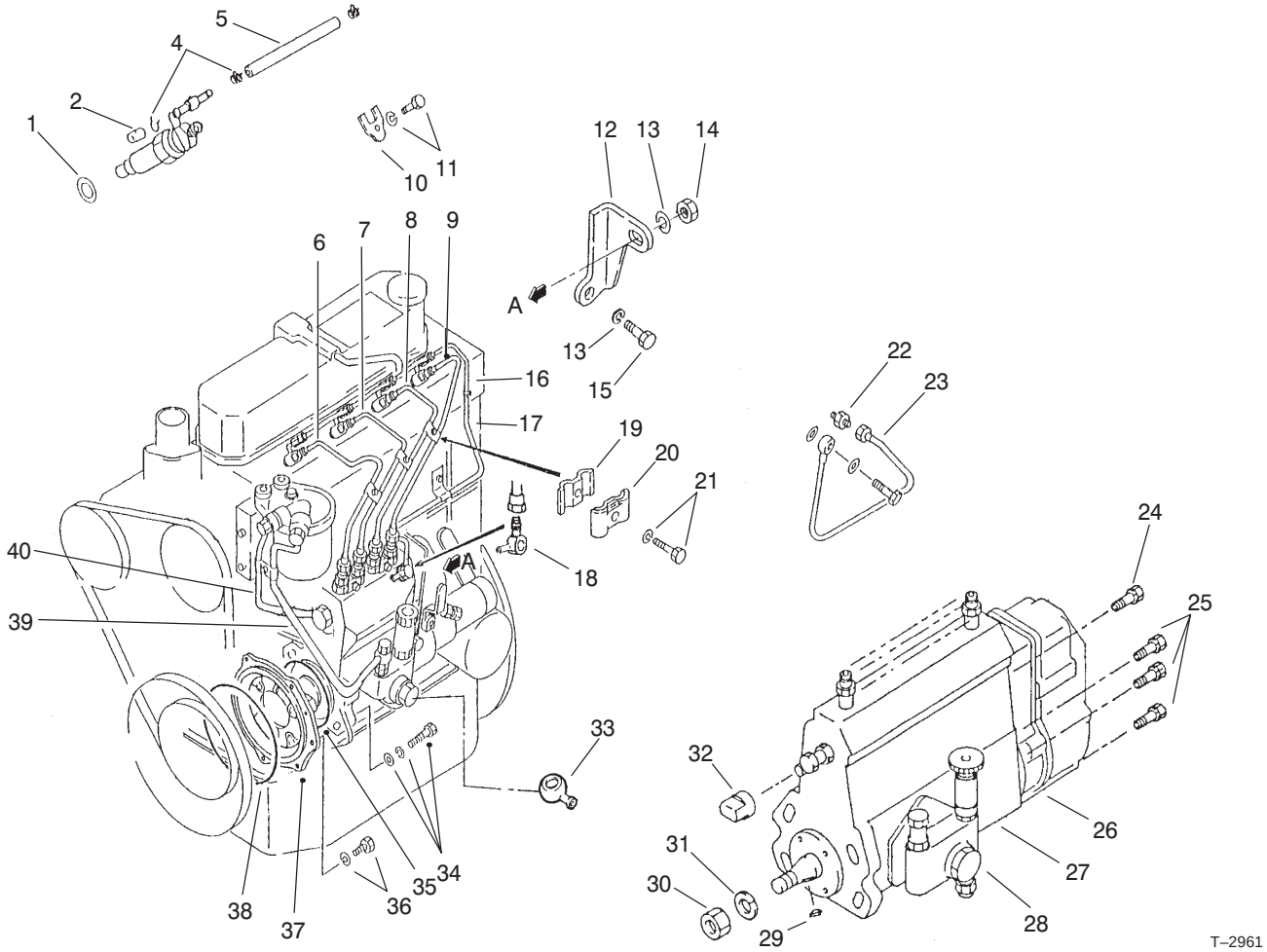

T–2960

# Cooling System Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–2150 | 1 | Bolt w/Washer |
| 2 | 99–1813 | 2 | Gasket |
| 3 | 99–1812 | 2 | Plug–Drain |
| 4 | 99–2155 | 1 | Thermostat |
| 5 | 99–2154 | 1 | Gasket–Thermostat |
| 6 | 99–2153 | 1 | Cover–Thermostat |
| 7 | 92–2133 | 2 | Bolt–Flange |
| 8 | 51–7210 | 1 | Gasket |
| 9 | | 1 | Plug–Tapered |
| 10 | 99–2146 | 1 | Cover–Pump, Water |
| 11 | 99–2148 | 1 | Gasket–Pump, Water |
| 12 | 99–2147 | 1 | Gasket–Cover, Pump |
| 13 | | 1 | Case–Pump, Water |
| 14 | 99–2150 | 5 | Bolt w/Washer |
| 15 | 99–2159 | 1 | Belt–Edge, Raw |
| 16 | 51–5160 | 4 | Washer |
| 17 | 99–2160 | 4 | Bolt w/Washer |
| 18 | 99–2149 | 1 | Pulley–Pump, Water |
| 19 | 99–2151 | 1 | Bolt–Flange |
| 20 | 92–2133 | 2 | Bolt–Flange |
| 21 | | 1 | Pipe–Water |
| 22 | 93–4297 | 2 | Clamp–Hose |
| 23 | 99–2152 | 1 | Hose–By–Pass |
| 24 | | 1 | Pipe |
| 25 | | 1 | Case |
| 26 | 99–2158 | 1 | Bolt w/Washer |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 99–2157 | 1 | Thermostat ASM (Incl. Ref.# 4–7 & 24–25) |
| * | 99–2145 | 1 | Water Pump ASM (Incl. Ref. #9–10, 12–13 & 19–21) |
| * | 99–2156 | 1 | Thermostat Case ASM (Incl. Ref. #24–25) |

* Not Illustrated

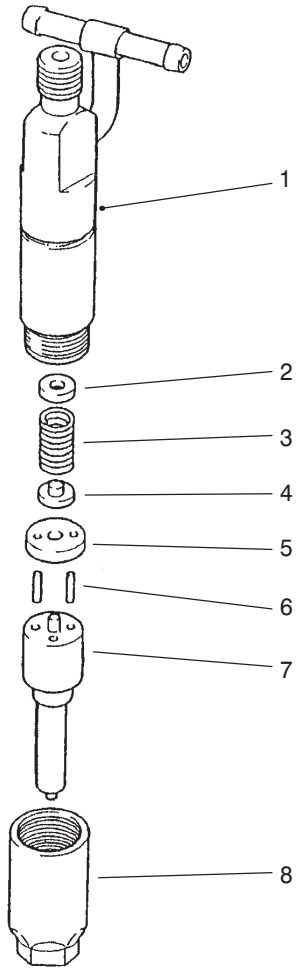



T–2961

# Fuel Injection Pump Mount Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 98–7375 | 4 | Gasket–Nozzle |
| 2 | 99–2167 | 1 | Cap |
| 4 | 99–2169 | 7 | Clip |
| * | 99–2168 | 3 | Oil Hose ASM (Incl. Ref. #4 & 5) |
| 5 | | 3 | Hose–Fuel |
| 6 | 99–2172 | 1 | Pipe–Injection No. 1 |
| 7 | 99–2173 | 1 | Pipe–Injection No. 2 |
| 8 | 99–2174 | 1 | Pipe–Injection No. 3 |
| 9 | 99–2175 | 1 | Pipe–Injection No. 4 |
| 10 | 99–2165 | 4 | Support–Nozzle |
| 11 | 99–2166 | 4 | Bolt w/Washer |
| 12 | 99–2170 | 1 | Bracket–Pump |
| 13 | 51–7250 | 2 | Washer–Spring |
| 14 | 60–7120 | 1 | Nut |
| 15 | 60–7280 | 1 | Bolt |
| 16 | 99–2178 | 1 | Fuel Hose ASM |
| 17 | 99–2176 | 1 | Pipe–Return, Fuel |
| 18 | 99–2177 | 1 | Joint–Eye |
| 19 | 56–0750 | 3 | Clamp (B) |
| 20 | 56–0760 | 3 | Clamp (A) |
| 21 | 99–2179 | 3 | Bolt–w/Washer |
| 22 | 99–2185 | 1 | Connector |
| 23 | 99–2184 | 1 | Pipe–Oil |
| 24 | 99–2164 | 1 | Bolt–w/Washer |
| 25 | 70–6530 | 6 | Bolt–w/Washer |

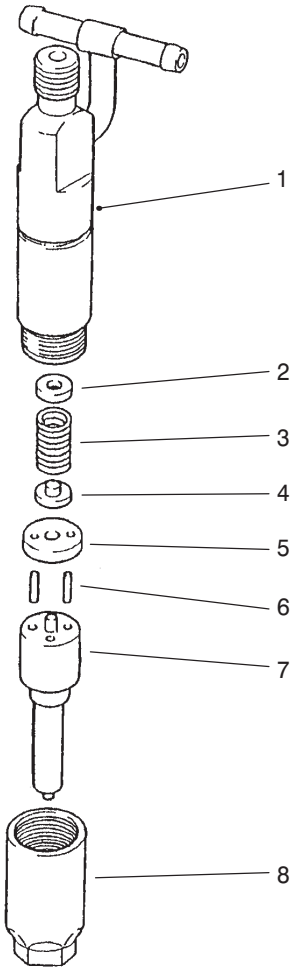
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | | 1 | Governor ASM |
| 27 | | 1 | Injection Body ASM |
| 28 | 99–2163 | 1 | Feed Pump ASM |
| 29 | 70–6880 | 1 | Key–Woodruff |
| 30 | 70–6780 | 1 | Nut–Hex |
| 31 | 70–6680 | 1 | Washer–Spring |
| 32 | 99–2162 | 1 | Cover–Control |
| 33 | 99–2186 | 1 | Color |
| 34 | 99–2183 | 4 | Bolt–w/Washers |
| 35 | 99–2182 | 1 | O–Ring |
| 36 | 99–1811 | 1 | Bolt–w/Washer |
| 37 | 99–2171 | 1 | Flange–Pimp, Injection |
| 38 | 99–1865 | 1 | O–Ring |
| 39 | 99–2181 | 1 | Hose |
| 40 | 99–2180 | 1 | Hose |
| * | 99–2161 | 1 | Injection Pump ASM (Incl. Ref. #24–32) |




T–2962

# Nozzle Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–2779 | 4 | Body ASM |
| 2 | 70–4860 | AR | Washer–1.000mm Thick |
| 2 | 70–4870 | AR | Washer–1.050mm Thick |
| 2 | 70–4880 | AR | Washer–1.100mm Thick |
| 2 | 99–2190 | AR | Washer–1.150mm Thick |
| 2 | 99–2191 | AR | Washer–1.200mm Thick |
| 2 | 99–2192 | AR | Washer–1.250mm Thick |
| 2 | 99–2193 | AR | Washer–1.300mm Thick |
| 2 | 99–2194 | AR | Washer–1.350mm Thick |
| 2 | 99–2195 | AR | Washer–1.400mm Thick |
| 2 | 99–2196 | AR | Washer–1.450mm Thick |
| 2 | 99–2197 | AR | Washer–1.500mm Thick |
| 2 | 99–2198 | AR | Washer–1.550mm Thick |
| 2 | 99–2199 | AR | Washer–1.600mm Thick |
| 2 | 99–2200 | AR | Washer–1.650mm Thick |
| 2 | 99–2201 | AR | Washer–1.700mm Thick |
| 2 | 99–2202 | AR | Washer–1.750mm Thick |
| 2 | 99–2203 | AR | Washer–1.800mm Thick |
| 2 | 70–4890 | AR | Washer–1.275mm Thick |
| 2 | 70–4900 | AR | Washer–1.325mm Thick |
| 2 | 99–2204 | AR | Washer–1.375mm Thick |
| 2 | 99–2205 | AR | Washer–1.425mm Thick |
| 2 | 99–2206 | AR | Washer–1.475mm Thick |
| 2 | 70–4920 | AR | Washer–0.950mm Thick |
| 2 | 99–2207 | AR | Washer–0.700mm Thick |
| 2 | 99–2217 | AR | Washer–0.750mm Thick |

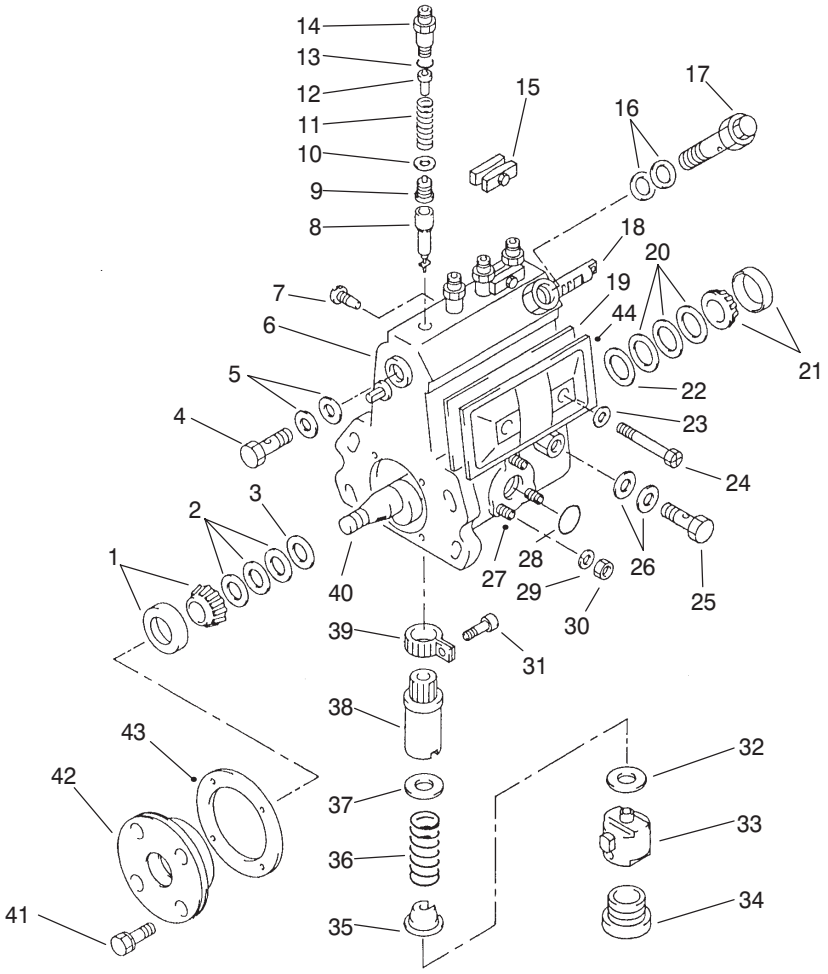



T–2962

# Nozzle Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 2 | 99–2208 | AR | Washer–0.800mm Thick |
| 2 | 99–2209 | AR | Washer–0.850mm Thick |
| 2 | 99–2210 | AR | Washer–0.900mm Thick |
| 2 | 99–2211 | AR | Washer–0.975mm Thick |
| 2 | 99–2212 | AR | Washer–1.025mm Thick |
| 2 | 99–2213 | AR | Washer–1.075mm Thick |
| 2 | 99–2214 | AR | Washer–1.125mm Thick |
| 2 | 99–2215 | AR | Washer–1.175mm Thick |
| 2 | 99–2216 | AR | Washer–1.225mm Thick |
| 3 | 99–2281 | 4 | Spring–Pressure |
| 4 | 99–2280 | 4 | Pin–Pressure |
| 5 | 99–2218 | 4 | Packing |
| 6 | 70–6830 | 8 | Pin–Straight |
| 7 | 99–2189 | 4 | Nozzle Tip ASM |
| 8 | 70–4840 | 4 | Nut–Retaining |
| * | 99–2187 | 4 | Nozzle ASM (Incl. Ref. #1–8) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 99–2188 | 4 | Holder ASM (Incl. Ref. #1–6 & 8) |

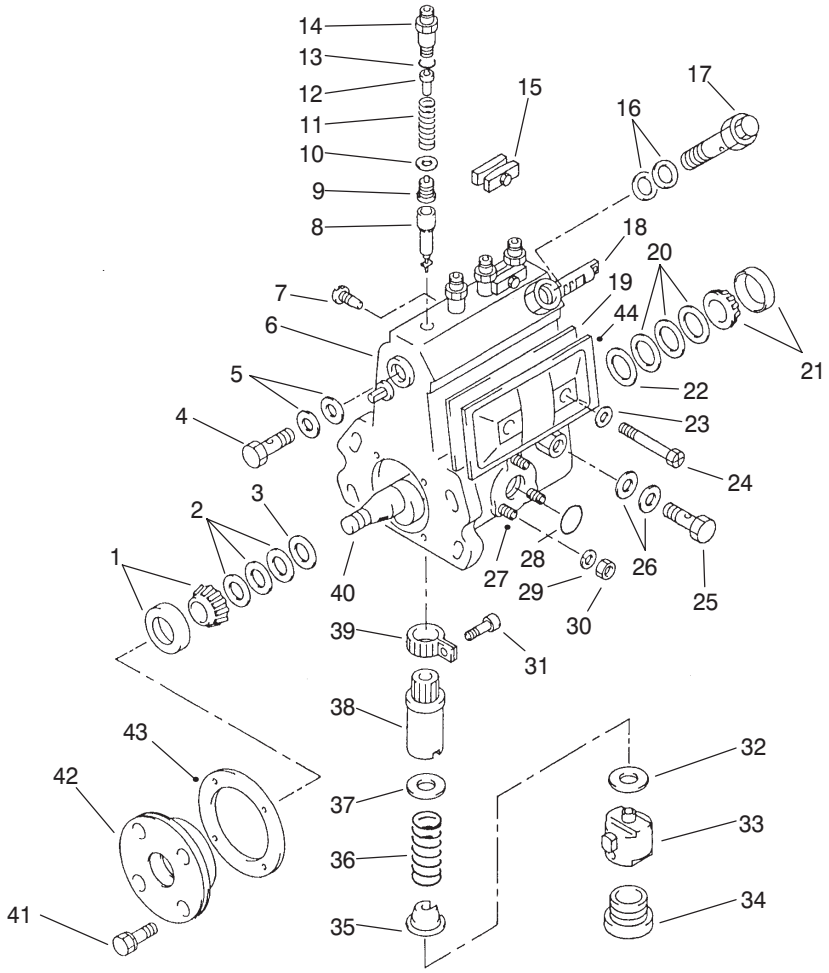



T–2963

# Injection Pump Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70–6840 | 1 | Bearing–Roller |
| 2 | 70–3780 | AR | Shim–0.10mm Thick |
| 2 | 70–3790 | AR | Shim–0.15mm Thick |
| 2 | 70–3800 | AR | Shim–0.30mm Thick |
| 2 | 70–3810 | AR | Shim–0.50mm Thick |
| 2 | 99–2240 | AR | Shim–1.00mm Thick |
| 2 | 99–2241 | AR | Shim–1.50mm Thick |
| 2 | 99–2242 | AR | Shim–0.12mm Thick |
| 2 | 99–2243 | AR | Shim–0.14mm Thick |
| 2 | 99–2244 | AR | Shim–0.18mm Thick |
| 2 | 99–2245 | AR | Shim–0.03mm Thick |
| 3 | 70–3700 | 1 | Ring–Adjust |
| 4 | 70–6940 | 1 | Screw–Hollow |
| 5 | 70–3870 | 2 | Washer–Union |
| 6 | | 1 | Housing–Pump |
| 7 | 99–2234 | 1 | Screw–Guide, Rack |
| 8 | 99–2224 | 4 | Element–Pump |
| 9 | 99–2223 | 4 | Valve–Delivery |
| 10 | 70–3530 | 4 | Gasket–Valve |
| 11 | 99–2222 | 4 | Spring–Valve |
| 12 | 99–2221 | 4 | Stopper–Valve |
| 13 | 70–6910 | 4 | O–Ring |
| 14 | 99–2220 | 4 | Holder–Valve |
| 15 | 70–3880 | 2 | Plate–Set |
| 16 | 70–3860 | 2 | Washer–Union |
| 17 | 99–2239 | 1 | Valve ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 18 | 99–2233 | 1 | Rack–Control |
| 19 | 70–3930 | 1 | Gasket–Plate, Cover |
| 20 | 70–3710 | AR | Shim–0.10mm Thick |
| 20 | 70–3720 | AR | Shim–0.12mm Thick |
| 20 | 70–3730 | AR | Shim–0.14mm Thick |
| 20 | 70–3740 | AR | Shim–0.16mm Thick |
| 20 | 70–3750 | AR | Shim–0.18mm Thick |
| 20 | 70–3760 | AR | Shim–0.50mm Thick |
| 20 | 70–3770 | AR | Shim–0.30mm Thick |
| 20 | 99–2228 | AR | Shim–1.00mm Thick |
| 20 | 99–2229 | AR | Shim–1.50mm Thick |
| 20 | 99–2230 | AR | Shim–2.00mm Thick |
| 20 | 99–2231 | AR | Shim–0.03mm Thick |
| 21 | 70–6850 | 1 | Bearing–Roller |
| 22 | 70–3690 | 1 | Ring–Adjusting |
| 23 | 70–3900 | 2 | Packing |
| 24 | 70–3950 | 2 | Screw |
| 25 | 70–6930 | 1 | Screw–Hollow |
| 26 | 70–3910 | 2 | Washer–Nipple |
| 27 | 70–6720 | 3 | Stud |
| 28 | 70–6900 | 1 | O–Ring |
| 29 | 99–2238 | 3 | Washer–Spring |
| 30 | 99–2237 | 3 | Nut–Hex |
| 31 | 70–3570 | 4 | Screw–Clamp, Pinion |
| 32 | 70–3970 | AR | Shim–0.60mm Thick |
| 32 | 70–3980 | AR | Shim–0.70mm Thick |

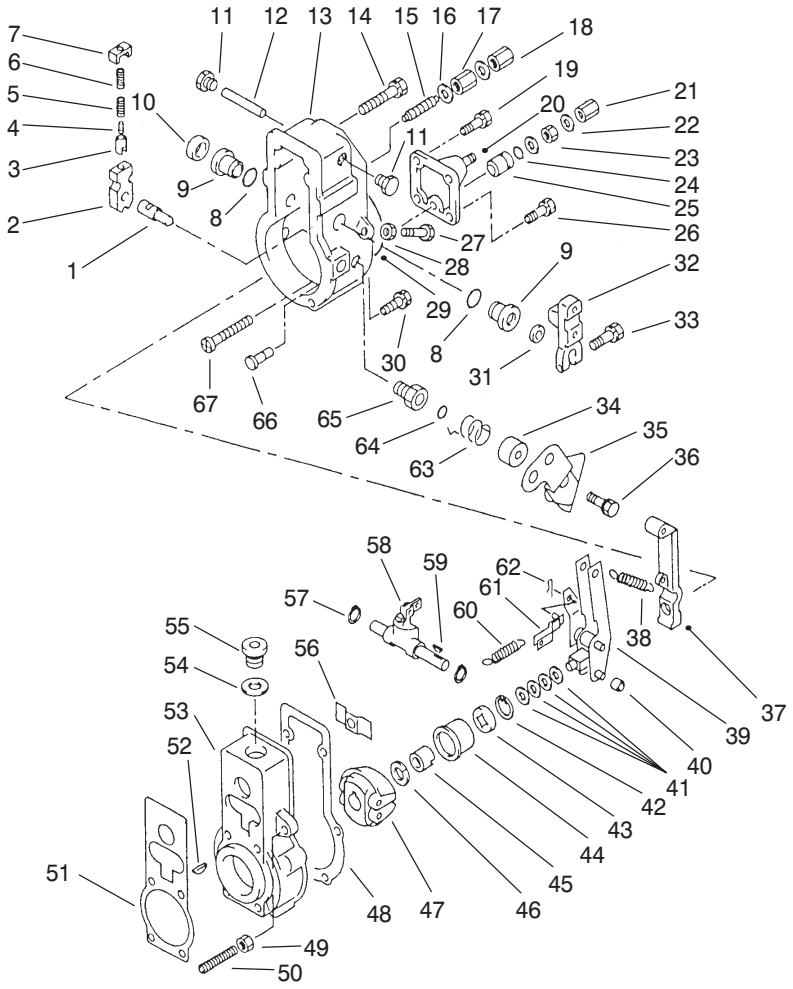



T–2963

# Injection Pump Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 32 | 70–3990 | AR | Shim–0.80mm Thick |
| 32 | 70–4000 | AR | Shim–0.90mm Thick |
| 32 | 70–4010 | AR | Shim–1.00mm Thick |
| 32 | 70–4020 | AR | Shim–1.10mm Thick |
| 32 | 70–4030 | AR | Shim–1.20mm Thick |
| 32 | 70–4040 | AR | Shim–1.30mm Thick |
| 32 | 70–4050 | AR | Shim–1.40mm Thick |
| 32 | 70–4060 | AR | Shim–0.10mm Thick |
| 32 | 70–4070 | AR | Shim–0.20mm Thick |
| 32 | 70–4080 | AR | Shim–0.30mm Thick |
| 32 | 70–4090 | AR | Shim–0.40mm Thick |
| 32 | 70–4100 | AR | Shim–0.50mm Thick |
| 32 | 70–4110 | AR | Shim–0.15mm Thick |
| 32 | 99–2236 | AR | Shim–0.13mm Thick |
| 33 | 70–3630 | 4 | Tappet |
| 34 | 70–3670 | 4 | Plug–Screw |
| 35 | 70–3610 | 4 | Sheet–Spring, Lower |
| 36 | 99–2227 | 4 | Spring–Plunger |
| 37 | 99–2226 | 4 | Sheet–Spring, Upper |
| 38 | 99–2225 | 4 | Sleeve–Control |
| 39 | 70–3560 | 4 | Pinion–Control |
| 40 | 70–3680 | 1 | Camshaft |
| 41 | 70–6540 | 4 | Bolt–w/Washer |
| 42 | 70–3820 | 1 | Cover–Bearing |
| 43 | 99–2232 | 1 | Gasket–Cover, Bearing |
| 44 | 70–3940 | 1 | Cover–Plate |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 99–2235 | 1 | Pump Cover ASM (Incl. Ref.#23–24 &44) |

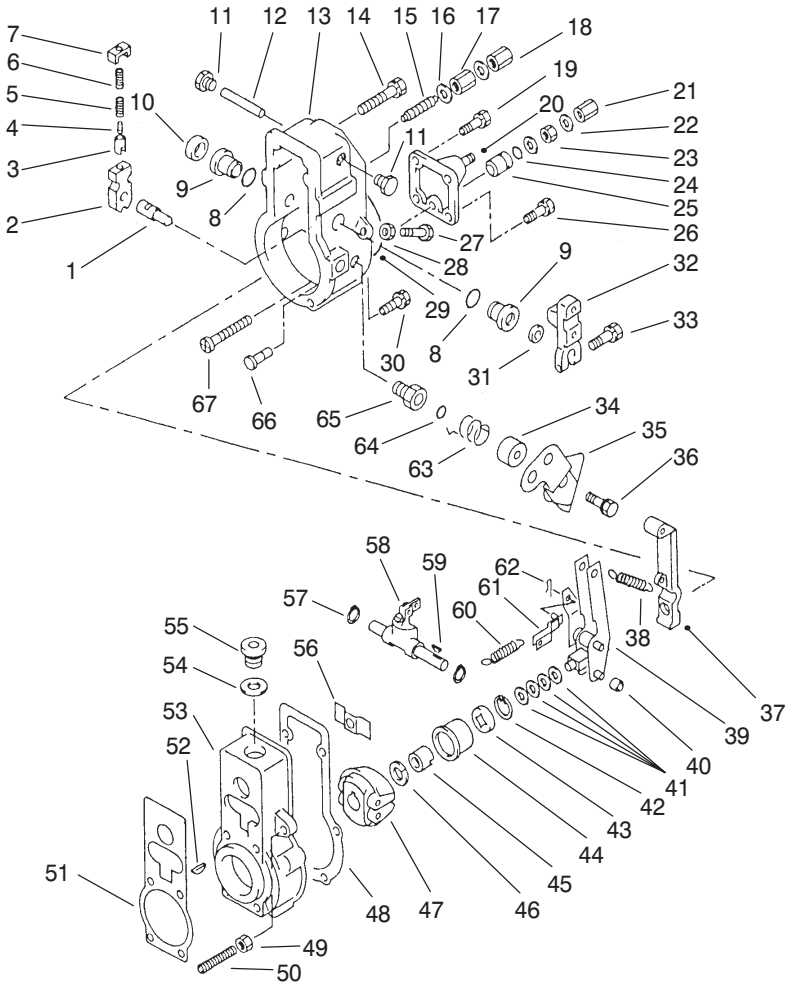



T–2964

# Governor Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70–4480 | 1 | Shaft–Governor |
| 2 | 70–4470 | 1 | Lever–Support |
| 3 | 70–4490 | 1 | Cup–Spring |
| 4 | 70–4510 | 1 | Spring |
| 5 | 70–4520 | 1 | Spring |
| 6 | 70–4500 | 1 | Spring |
| 7 | 70–4460 | 1 | Plate–Cap |
| 8 | 70–6510 | 2 | O–Ring |
| 9 | 70–4230 | 2 | Bushing–Lever |
| 10 | 70–4580 | 1 | Cap–Lever |
| 11 | 70–4360 | 2 | Plug–Screw |
| 12 | 70–4350 | 1 | Shaft–Lever |
| 13 | 70–4400 | 1 | Cover–Governor |
| 14 | 70–6740 | 2 | Bolt w/Washer |
| 15 | 99–2251 | 1 | Capsule |
| 16 | 70–3890 | 2 | Washer–Nipple |
| 17 | 70–4310 | 1 | Nut–Lock, Adapter |
| 18 | 70–4440 | 1 | Nut–Cap |
| 19 | 70–6540 | 2 | Bolt w/Washer |
| 20 | 99–2254 | 1 | Plate–Cover |
| 21 | 99–2248 | 1 | Nut–Cap |
| 22 | 70–6690 | 2 | Washer–Plate |
| 23 | 99–2260 | 1 | Nut–Hex |
| 24 | 70–6500 | 1 | O–Ring |
| 25 | 70–4330 | 1 | Bushing |
| 26 | 99–2255 | 2 | Bolt w/Washer |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 70–4430 | 1 | Screw–Adjusting |
| 28 | 70–6560 | 1 | Nut w/Hole |
| 29 | 70–6790 | 1 | Packing–Plate, Rubber |
| 30 | 70–6750 | 4 | Bolt w/Washer |
| 31 | 70–6920 | 1 | Seal–Oil |
| 32 | 99–2253 | 1 | Lever–Adjusting |
| 33 | 70–6730 | 1 | Bolt w/Washer |
| 34 | 70–4530 | 1 | Cover–Spring |
| 35 | 70–4570 | 1 | Lever–Stop |
| 36 | 70–6520 | 1 | Bolt w/Washer |
| 37 | 99–2249 | 1 | Lever–Tension |
| 38 | 70–4370 | 1 | Spring–Control |
| 39 | 70–4320 | 1 | Tension Control ASM |
| 40 | 70–4540 | 1 | Slider–Supporting |
| 41 | 70–6610 | AR | Washer–Plate 0.2mm Thick |
| 41 | 70–6620 | AR | Washer–Plate 0.3mm Thick |
| 41 | 70–6630 | AR | Washer–Plate 0.4mm Thick |
| 41 | 70–6640 | AR | Washer–Plate 0.1mm Thick |
| 41 | 70–6650 | AR | Washer–Plate 1.0mm Thick |
| 42 | 70–6490 | 1 | Ring–Snap |
| 43 | 70–4200 | 1 | Plate |

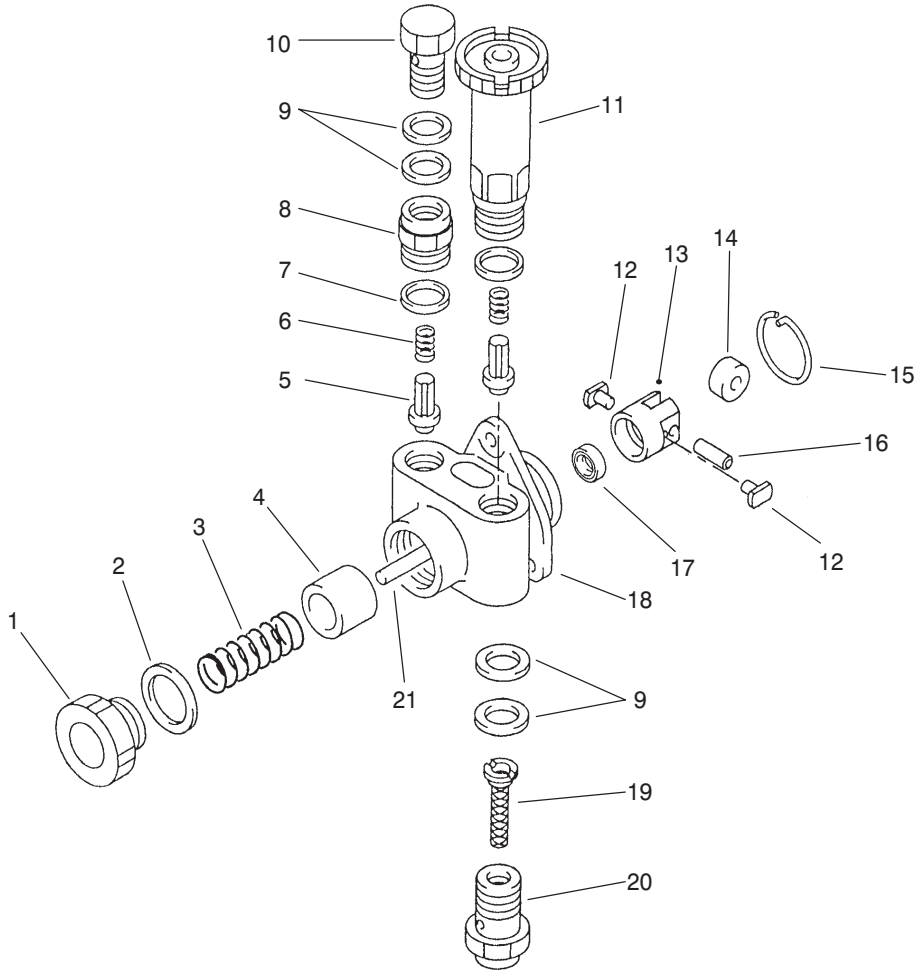



T–2964

# Governor Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 44 | 70–4190 | 1 | Sleeve–Governor (Incl. Ref. #42–43) |
| 45 | 70–4180 | 1 | Nut–Round |
| 46 | 70–6670 | 1 | Washer–Spring |
| 47 | 70–4170 | 1 | Flyweight ASM |
| 48 | 99–2258 | 1 | Gasket |
| 49 | 99–2250 | 1 | Nut–Hex |
| 50 | 99–2247 | 1 | Screw–Adjust |
| 51 | 99–2259 | 1 | Gasket |
| 52 | 70–6870 | 1 | Key–Woodruff |
| 53 | 99–2246 | 1 | Housing–Governor |
| 54 | 70–6710 | 1 | Washer–Plate, Copper |
| 55 | 70–4590 | 1 | Plug–Screw |
| 56 | 70–4210 | 1 | Plate |
| 57 | 70–6810 | 2 | Washer–Snap |
| 58 | 99–2252 | 1 | Lever–Swivelling |
| 59 | 70–6860 | 1 | Key–Woodruff |
| 60 | 70–4380 | 1 | Spring–Start |
| 61 | 70–4340 | 1 | Shackle |
| 62 | 70–6480 | 1 | Pin–Split |
| 63 | 99–2257 | 1 | Spring |
| 64 | 70–6890 | 1 | O–Ring |
| 65 | 99–2256 | 1 | Bushing–Bearing |
| 66 | 70–4410 | 1 | Pin–Stop |
| 67 | 70–4390 | 1 | Screw–Adjusting |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



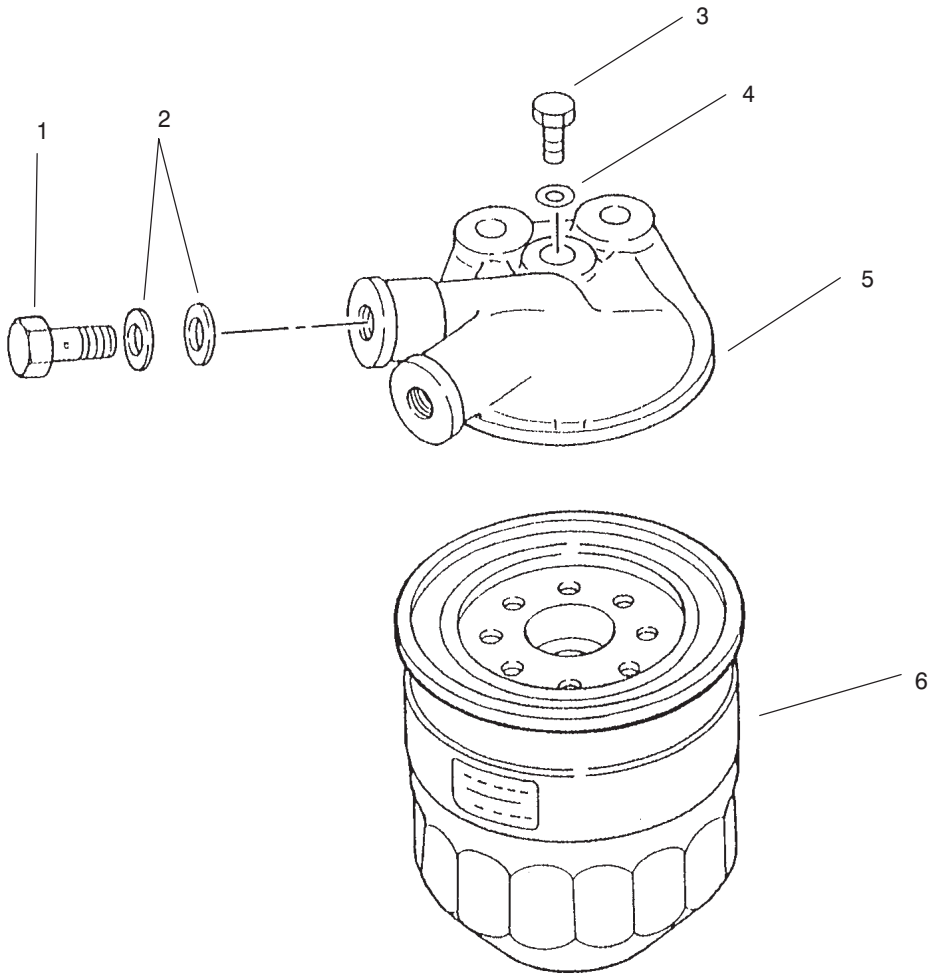

T–2965

# Feed Pump Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70–4780 | 1 | Plug–Chamber |
| 2 | 70–6700 | 1 | Washer |
| 3 | 70–4770 | 1 | Spring–Piston |
| 4 | 99–2263 | 1 | Piston |
| 5 | 70–4610 | 2 | Valve–Check |
| 6 | 70–4620 | 2 | Spring–Valve |
| 7 | 70–4630 | 2 | Gasket–Plug |
| 8 | 70–4640 | 1 | Support–Valve |
| 9 | 99–2262 | 4 | Washer–Union |
| 10 | 70–6940 | 1 | Screw–Hollow |
| 11 | 70–4650 | 1 | Pump–Priming |
| 12 | 70–4760 | 2 | Block–Sliding |
| 13 | 70–4730 | 1 | Tappet–Pump, Feed |
| 14 | 70–4740 | 1 | Roller–Tappet |
| 15 | 70–6820 | 1 | Ring–Snap |
| 16 | 70–4750 | 1 | Pin–Roller |
| 17 | 99–2282 | 1 | Seal–Oil |
| 18 | 70–4600 | 1 | Housing ASM (Incl. Ref. #17 & 20) |
| 19 | 70–4790 | 1 | Filter–Fuel |
| 20 | 70–4800 | 1 | Screw–Hollow |
| 21 | 99–2261 | 1 | Rod–Push |
| * | 70–5700 | 1 | Feed Pump ASM (Incl. Ref. #1–21) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



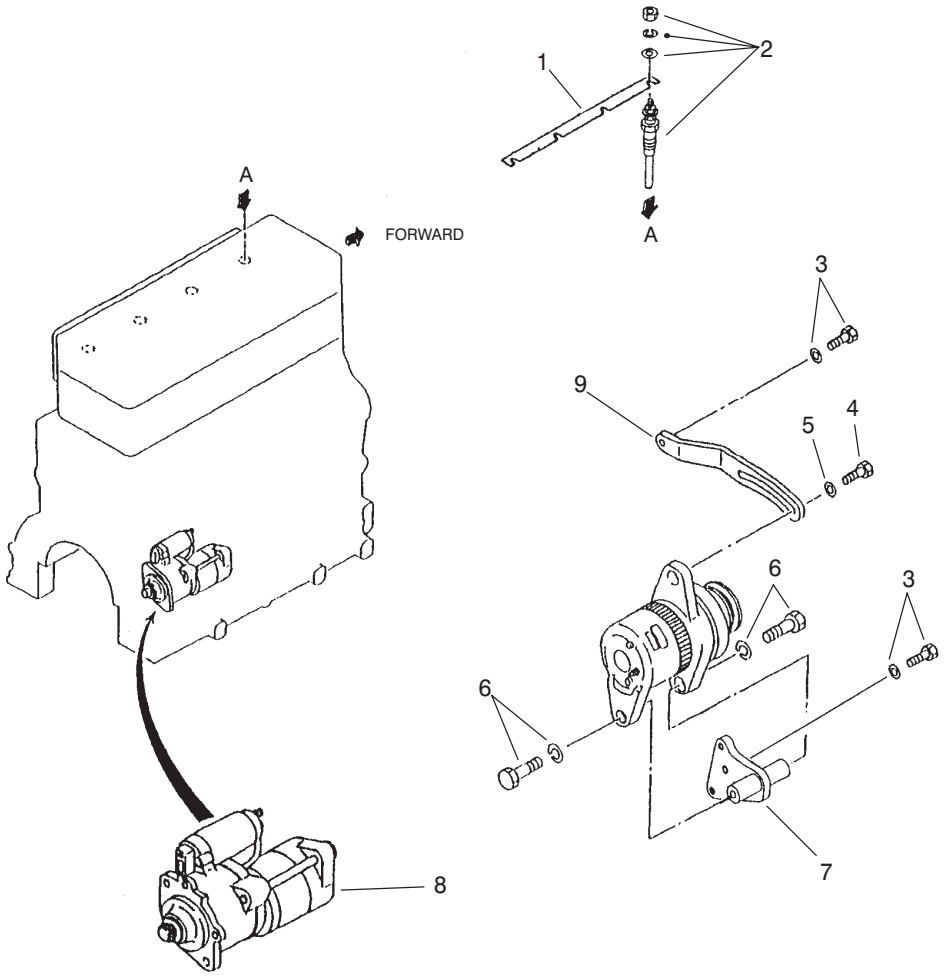

T–2966

# Fuel Filter Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70–3250 | 2 | Bolt–Connector |
| 2 | 51–5390 | 4 | Packing–Connector |
| 3 | 70–3240 | 1 | Plug–Air |
| 4 | 51–5840 | 1 | Washer–Sealing |
| 5 | 70–5720 | 1 | Bracket |
| 6 | 70–5730 | 1 | Cartridge ASM |
| * | 70–5710 | 1 | Fuel Filter ASM (Incl. Ref. #1–6) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

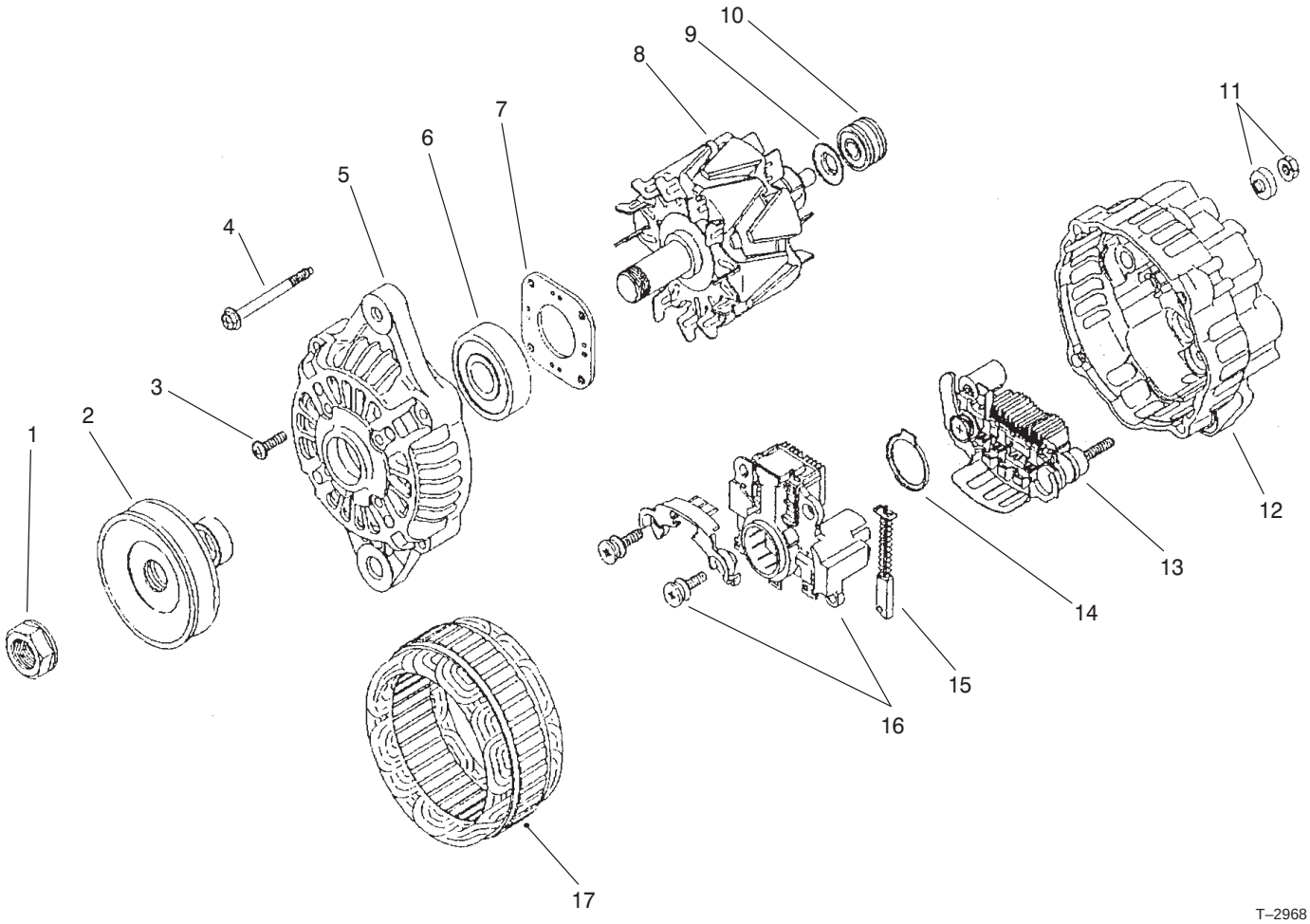



T–2967

# Electrical Components Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–2265 | 1 | Plate–Connection |
| 2 | 99–2266 | 4 | Plug–Glow |
| 3 | 99–1811 | 2 | Bolt w/Washer |
| 4 | 67–4660 | 1 | Bolt–Flange |
| 5 | 54–8660 | 1 | Washer |
| 6 | 99–1857 | 2 | Bolt w/Washer |
| 7 | 99–2268 | 1 | Bracket–Alternator |
| 8 | 99–2267 | 1 | Starter ASM |
| 9 | 99–2270 | 1 | Plate–Adjusting |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



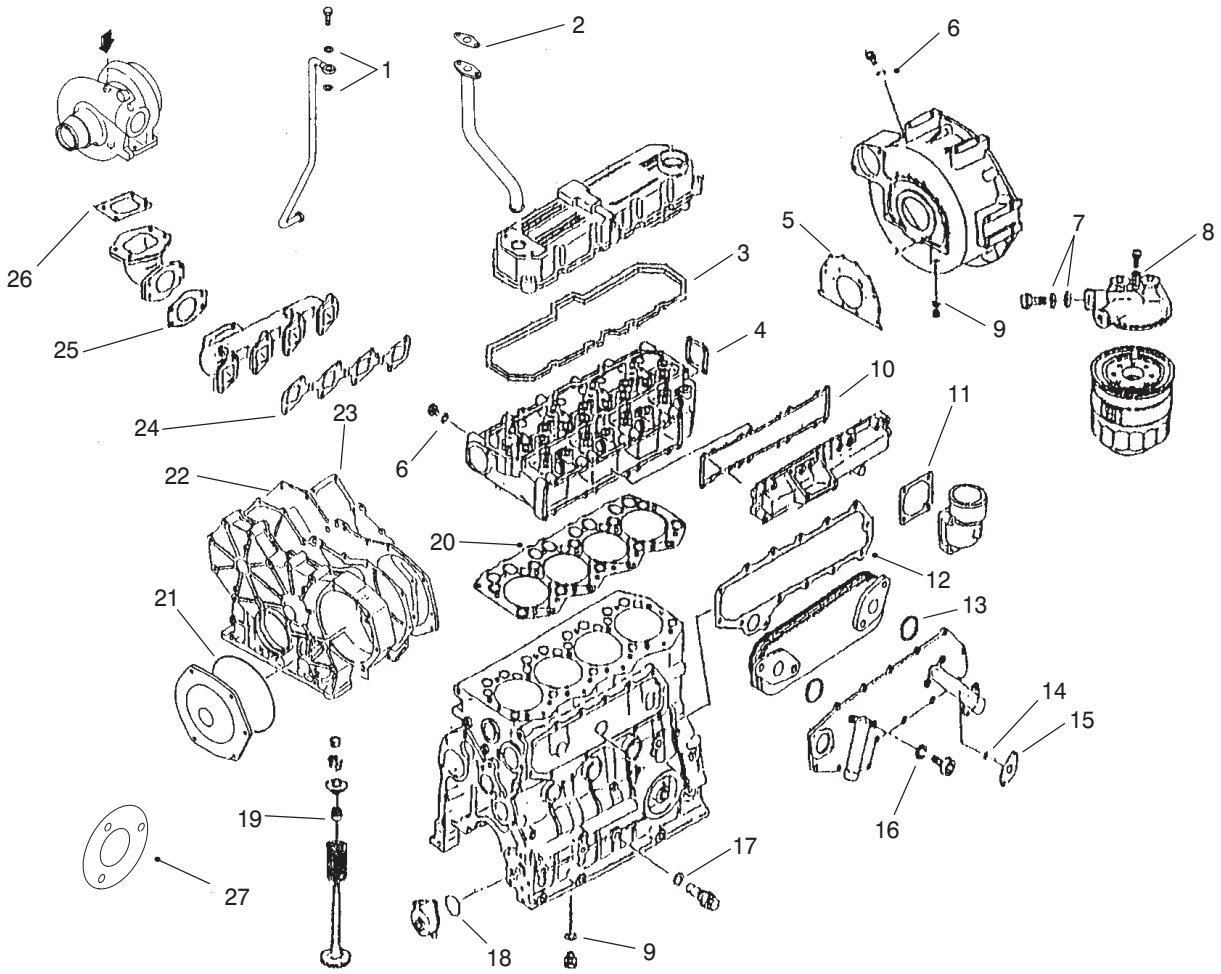

T–2968

# Alternator Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 93–3578 | 1 | Nut |
| 2 | 99–2271 | 1 | Pulley ASM |
| 3 | 93–3582 | 1 | Set–Screw |
| 4 | 93–3580 | 1 | Set–Bolt |
| 5 | | 1 | Front Cover ASM |
| 6 | 93–3583 | 1 | Bearing–Front |
| 7 | | 1 | Plate |
| 8 | | 1 | Rotor |
| 9 | | 1 | Washer |
| 10 | 93–3585 | 1 | Bearing–Rear |
| 11 | 99–2275 | 1 | Set–Nut |
| 12 | | 1 | Rear Cover ASM |
| 13 | 99–2274 | 1 | Rectifier ASM |
| 14 | | 1 | Ring–Retaining |
| 15 | 93–3589 | 2 | Brush |
| 16 | | 1 | Regulator ASM |
| 17 | 93–3586 | 1 | Stator ASM |
| * | 99–2269 | 1 | Alternator ASM (Incl. Ref. #1–17) |
| * | 99–2272 | 1 | Front Bracket ASM (Incl. Ref. #3 & 5–7) |
| * | 93–3584 | 1 | Rotor ASM (Incl. Ref. #8–10) |
| * | 99–2273 | 1 | Rear Bracket ASM (Incl. Ref. #11–16) |

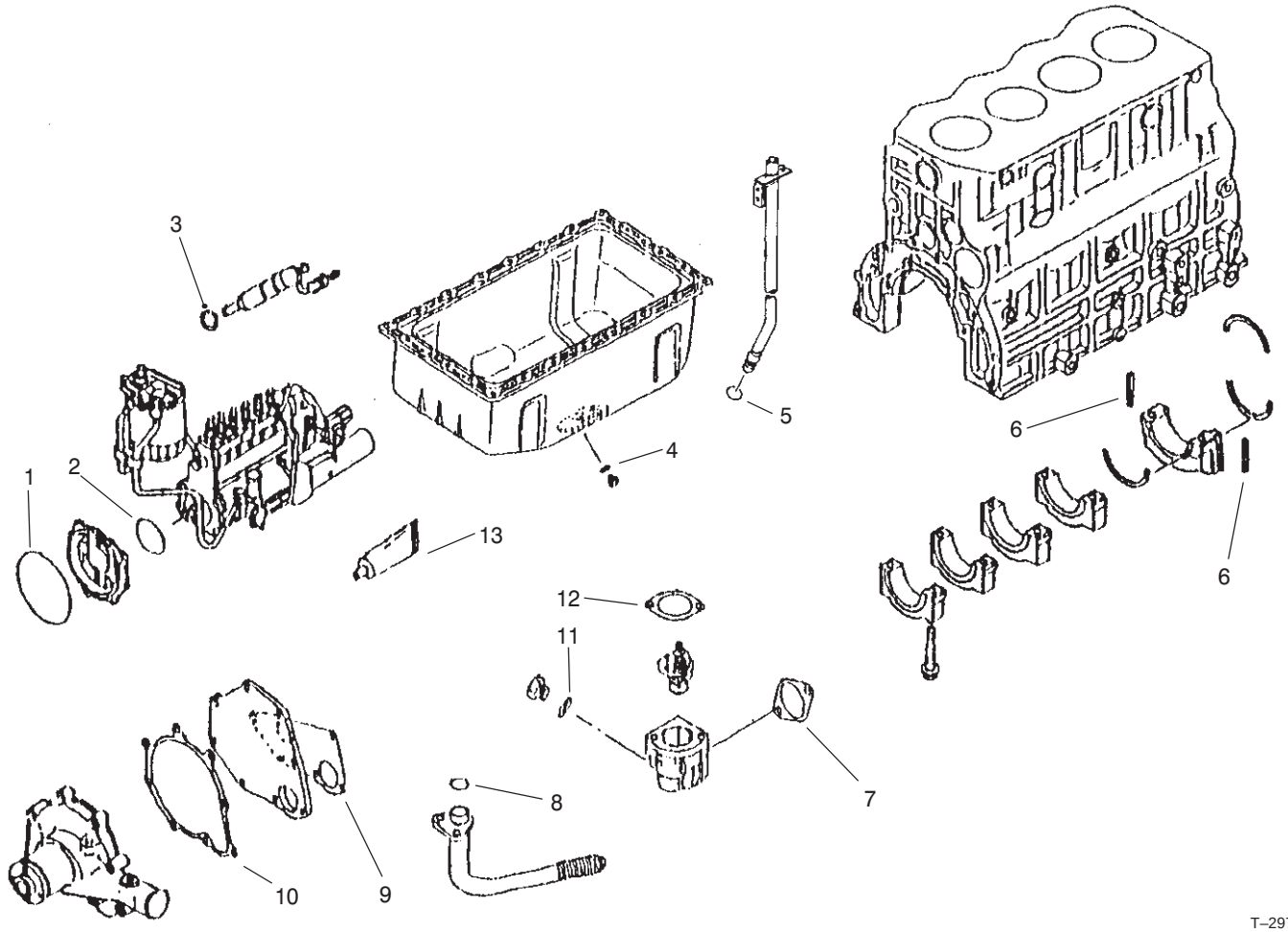
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| * | 93–3588 | 1 | Set–Regulator (Incl. Ref. #14–16) |

* Not Illustrated




# Overhaul Gasket Kit Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 51–5060 | 2 | Gasket |
| 2 | 99–2104 | 1 | Gasket |
| 3 | 99–1827 | 1 | Gasket–Rocker |
| 4 | 99–1809 | 1 | Gasket–Head, Cylinder |
| 5 | 99–1855 | 1 | Gasket–Rear |
| 6 | 99–1813 | 2 | Gasket |
| 7 | 51–5390 | 10 | Washer–Sealing |
| 8 | 51–5840 | 1 | Washer–Sealing |
| 9 | 99–2134 | 1 | Gasket |
| 10 | 99–2102 | 1 | Gasket–Manifold, Inlet |
| 11 | 99–2104 | 1 | Gasket |
| 12 | 99–2139 | 1 | Gasket–Cover, Side |
| 13 | 99–2141 | 2 | O–Ring |
| 14 | 99–2131 | 3 | O–Ring |
| 15 | 99–2140 | 1 | Gasket |
| 16 | 99–2142 | 4 | Gasket |
| 17 | 93–3417 | 1 | Gasket |
| 18 | 99–2128 | 1 | O–Ring |
| 19 | 99–1817 | 8 | Seal–Stem, Valve |
| 20 | 99–1807 | 1 | Gasket–Head, Cylinder |
| 21 | 99–1865 | 2 | O–Ring |
| 22 | 99–1862 | 1 | Gasket–Rear |
| 23 | 99–1837 | 1 | Gasket–Plate, Front |
| 24 | 99–2105 | 1 | Gasket–Manifold, Exhaust |
| 25 | 99–2107 | 1 | Gasket–Exhaust |
| 26 | 99–2114 | 1 | Gasket–Exhaust |
| 27 | 99–2277 | 1 | Gasket |

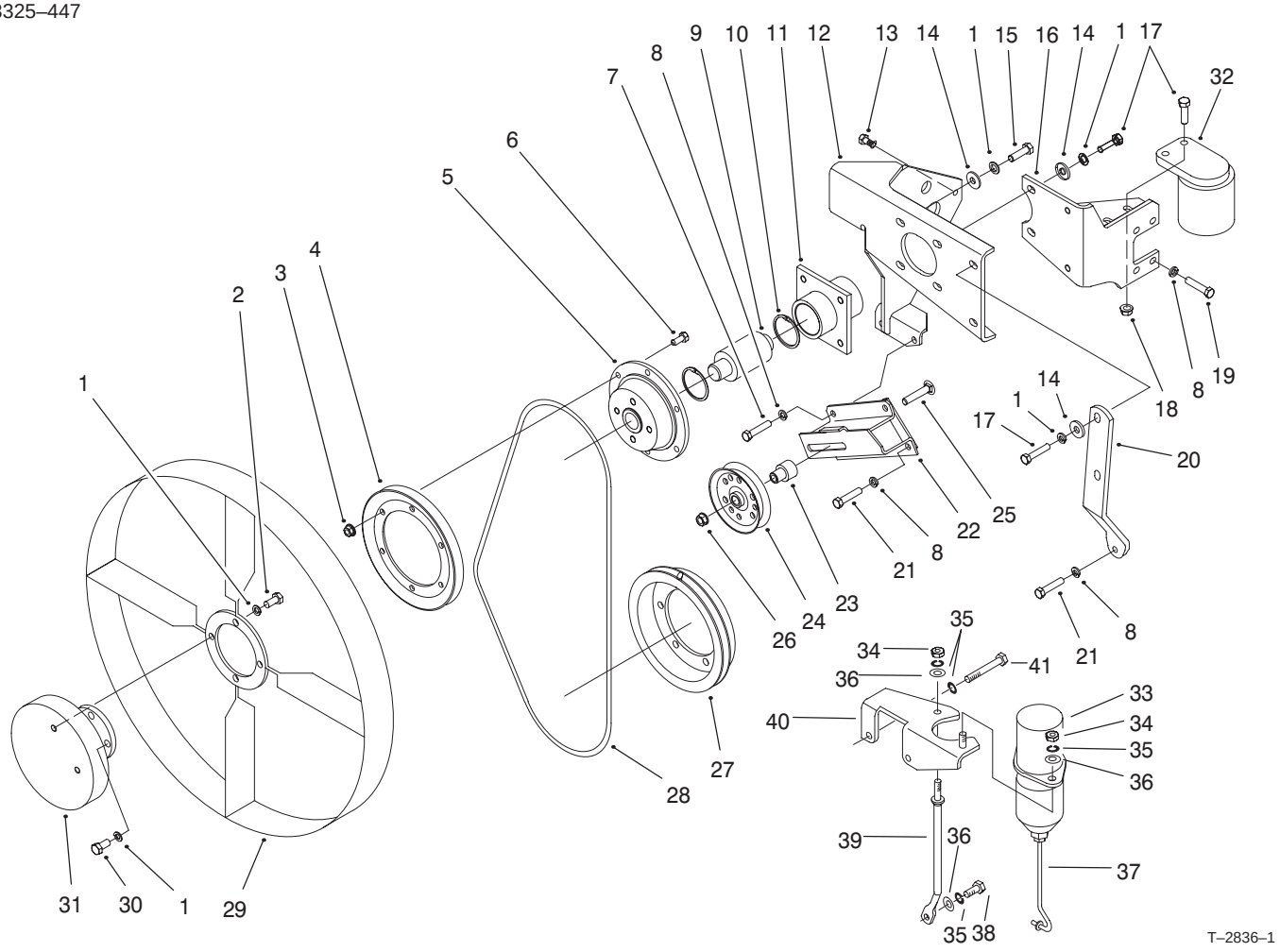



T–2970

# Overhaul Gasket Kit Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 99–1865 | 2 | O–Ring |
| 2 | 99–2182 | 1 | O–Ring |
| 3 | 98–7375 | 4 | Gasket–Nozzle |
| 4 | 68–6430 | 1 | Gasket |
| 5 | 99–1878 | 1 | O–Ring |
| 6 | 99–1853 | 2 | Seal–Side |
| 7 | 51–7210 | 1 | Gasket |
| 8 | 99–2131 | 3 | O–Ring |
| 9 | 99–2148 | 1 | Gasket–Water |
| 10 | 99–2147 | 1 | Gasket–Cover, Pump |
| 11 | 99–1813 | 2 | Gasket |
| 12 | 99–2154 | 1 | Gasket–Thermostat |
| 13 | 93–3599 | 1 | Gasket–Liquid |

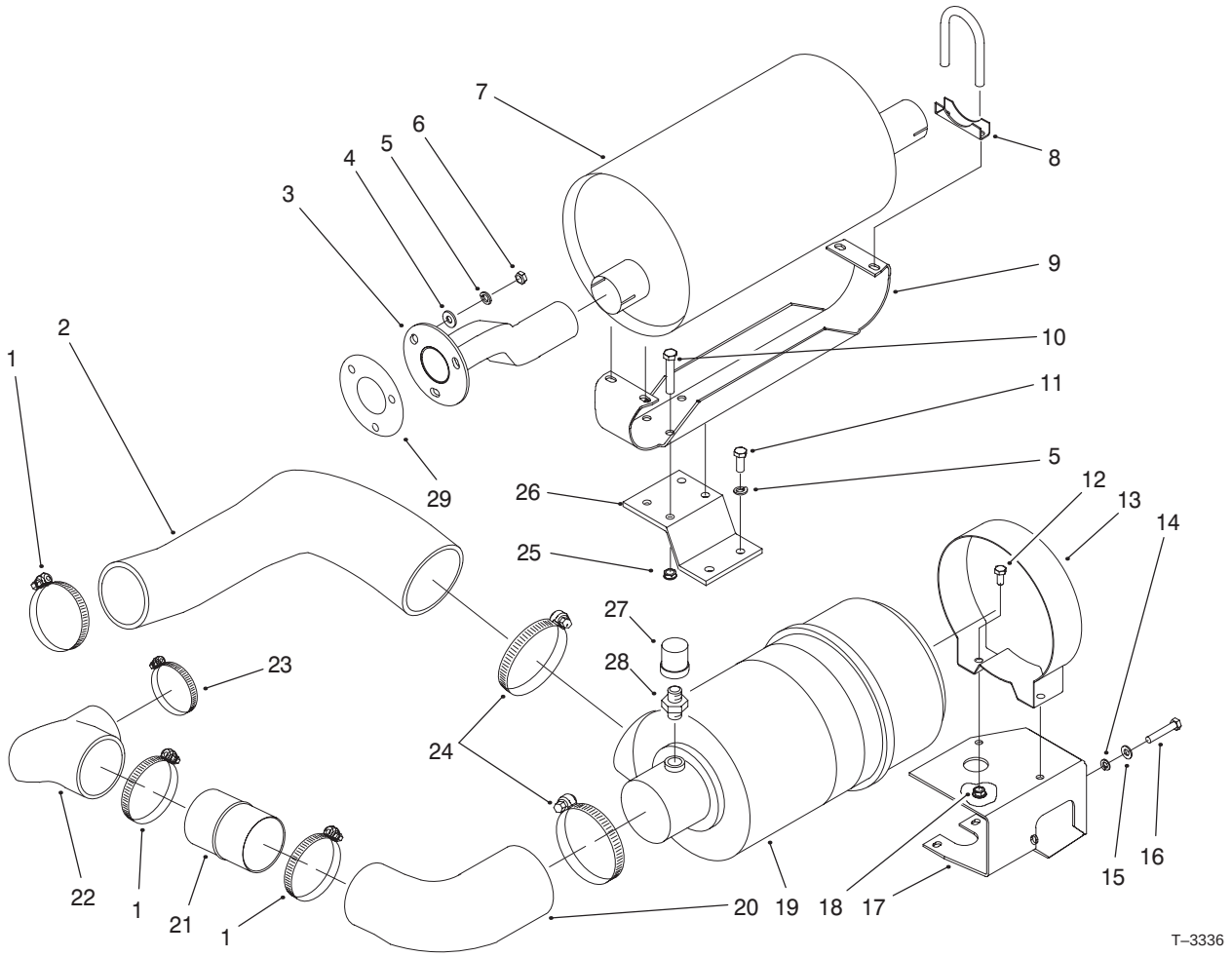
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|




# Fan Drive Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3253–21 | 14 | Washer–Lock |
| 2 | 323–4 | 4 | Screw–HH |
| 3 | 32128–25 | 6 | Nut–HHF |
| 4 | 96–1267–03 | 1 | Pulley–Fan |
| 5 | 98–3008–03 | 1 | Hub–Fan |
| 6 | 322–3 | 6 | Screw–HH |
| 7 | 33114–070 | 1 | Screw–HH |
| 8 | 3253–4 | 7 | Washer–Lock |
| 9 | 98–0831 | 1 | Bearing–Fan |
| 10 | 32120–11 | 2 | Ring–Retaining, Internal |
| 11 | 95–6495–03 | 1 | Bearing Housing ASM |
| 12 | 98–7307–03 | 1 | Fan Support ASM |
| 13 | 33104–020 | 2 | Screw–HHF |
| 14 | 5–0838 | 6 | Washer–Flat |
| 15 | 323–6 | 2 | Screw–HH |
| 16 | 95–6480–03 | 1 | Bracket ASM– |
| 17 | 323–7 | 6 | Screw–HH |
| 18 | 3296–39 | 2 | Nut–Lock |
| 19 | 33114–045 | 4 | Screw–HH |
| 20 | 98–3013–03 | 1 | Support–Fan |
| 21 | 33114–060 | 2 | Screw–HH |
| 22 | 99–5915–01 | 1 | Idler Bracket ASM |
| 23 | 95–6497 | 1 | Spacer |
| 24 | 66–5310–03 | 1 | Pulley–Idler |
| 25 | 3231–6 | 1 | Bolt–CARR |

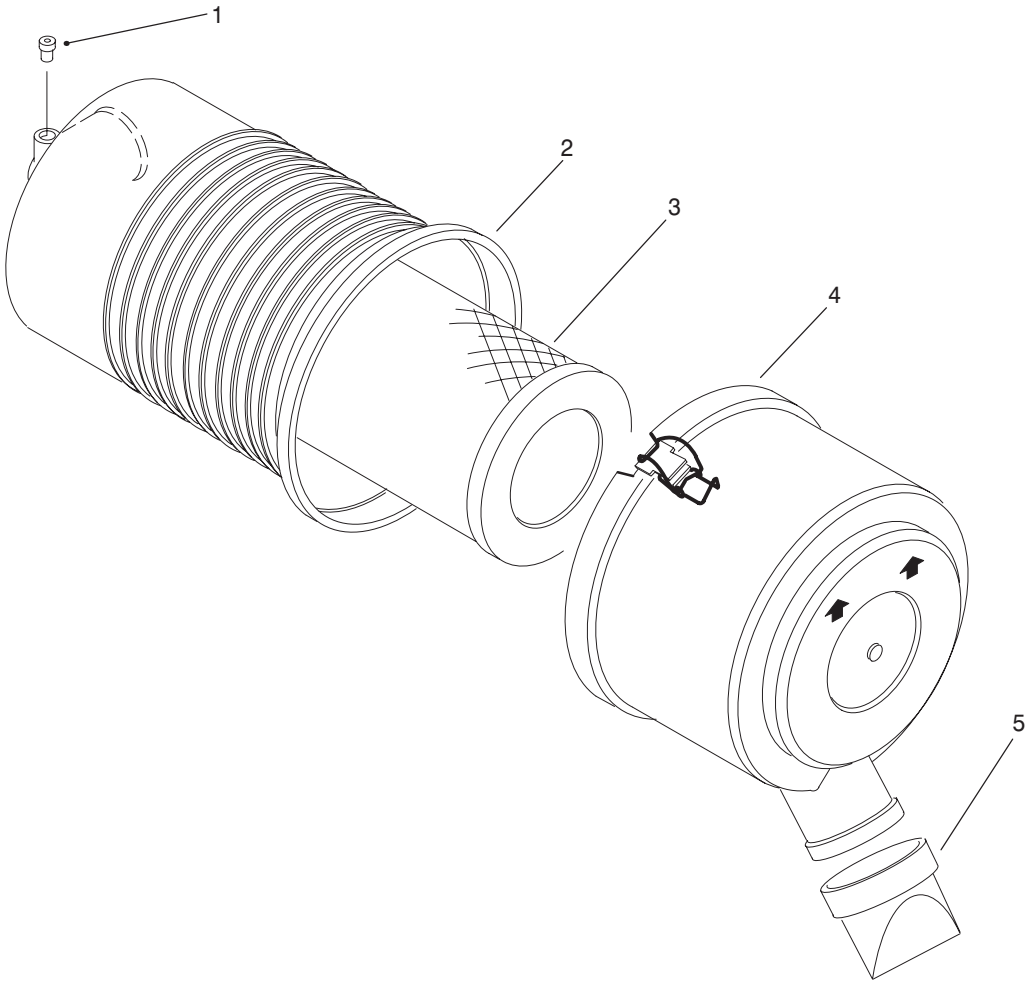
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 32128–21 | 1 | Nut–HHF |
| 27 | 95–6477–03 | 1 | Pulley–Drive, Fan |
| 28 | 98–9008 | 1 | V–Belt |
| 29 | 98–0809 | 1 | Fan |
| 30 | 323–5 | 4 | Screw–HH |
| 31 | 98–7321 | 1 | Clutch–Fan, Modulating |
| 32 | 70–5710 | 1 | Filter–Fuel |
| 33 | 99–1929 | 1 | Solenoid ASM |
| 34 | 33013–00 | 2 | Nut |
| 35 | 3253–3 | 5 | Washer–Lock |
| 36 | 33093–00 | 3 | Washer–Flat |
| 37 | 99–1930 | 1 | Rod–Connecting |
| 38 | 33103–016 | 1 | Screw |
| 39 | 99–1931 | 1 | Rod–Support |
| 40 | 99–1928 | 1 | Bracket–Mounting |
| 41 | 33103–050 | 2 | Screw |
| * | 98–7327 | 1 | Run Solenoid ASM (Incl. Ref. #33–41) |




# Muffler and Air Cleaner Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 2412–110 | 3 | Clamp–Hose |
| 2 | 95–6459 | 2 | Hose–Inlet, Air |
| 3 | 95–6474–03 | 1 | Exhaust Tube ASM |
| 4 | 3256–24 | 3 | Washer–Flat |
| 5 | 3253–6 | 5 | Washer–Lock |
| 6 | 69–9710 | 3 | Nut–Lock |
| 7 | 69–9420 | 7 | Muffler–Exhaust |
| 8 | 20–4840 | 2 | Clamp–Muffler |
| 9 | 99–8885–03 | 9 | Bracket–Muffler |
| 10 | 323–6 | 4 | Screw–HH |
| 11 | 33115–025 | 2 | Screw–HH |
| 12 | 322–3 | 2 | Screw–HH |
| 13 | 98–0833 | 1 | Band–Cleaner, Air |
| 14 | 3253–4 | 2 | Washer–Lock |
| 15 | 3256–23 | 4 | Washer–Flat |
| 16 | 33114–020 | 4 | Screw–HH |
| 17 | 95–6462–03 | 1 | Bracket–Cleaner, Air |
| 18 | 32128–25 | 2 | Nut–HHF |
| 19 | 98–0800 | 1 | Air Cleaner ASM |
| 20 | 95–6457 | 1 | Hose–Outlet, Air |
| 21 | 95–6461 | 1 | Tube–Intake |
| 22 | 95–6458 | 1 | Hose–Outlet, Air |
| 23 | 2412–42 | 1 | Clamp–Hose |
| 24 | 98–7347 | 2 | Clamp–Hose |
| 25 | 32128–21 | 4 | Nut–HHF |
| 26 | 100–6166–03 | 1 | Bracket–Manifold |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 69–1940 | 1 | Indicator–Electrical |
| 28 | 94–1416 | 1 | Adapter |
| 29 | 99–2277 | 1 | Gasket |



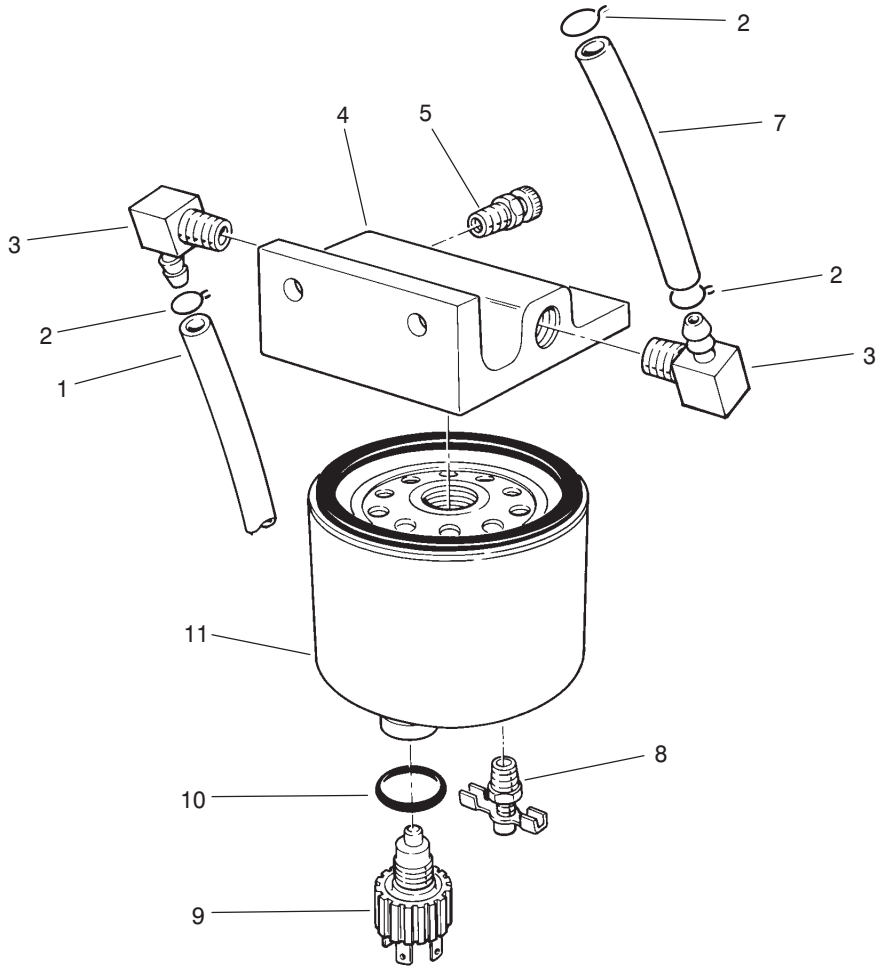

T–2252–1

# Air Cleaner Assembly No. 98–0800

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| †1 | | 1 | Plug |
| †2 | | 1 | Body ASM |
| 3 | 98–0801 | 1 | Element ASM |
| 4 | 98–0802 | 1 | Cover ASM |
| 5 | 98–0803 | 1 | Valve |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

† Not Serviceable



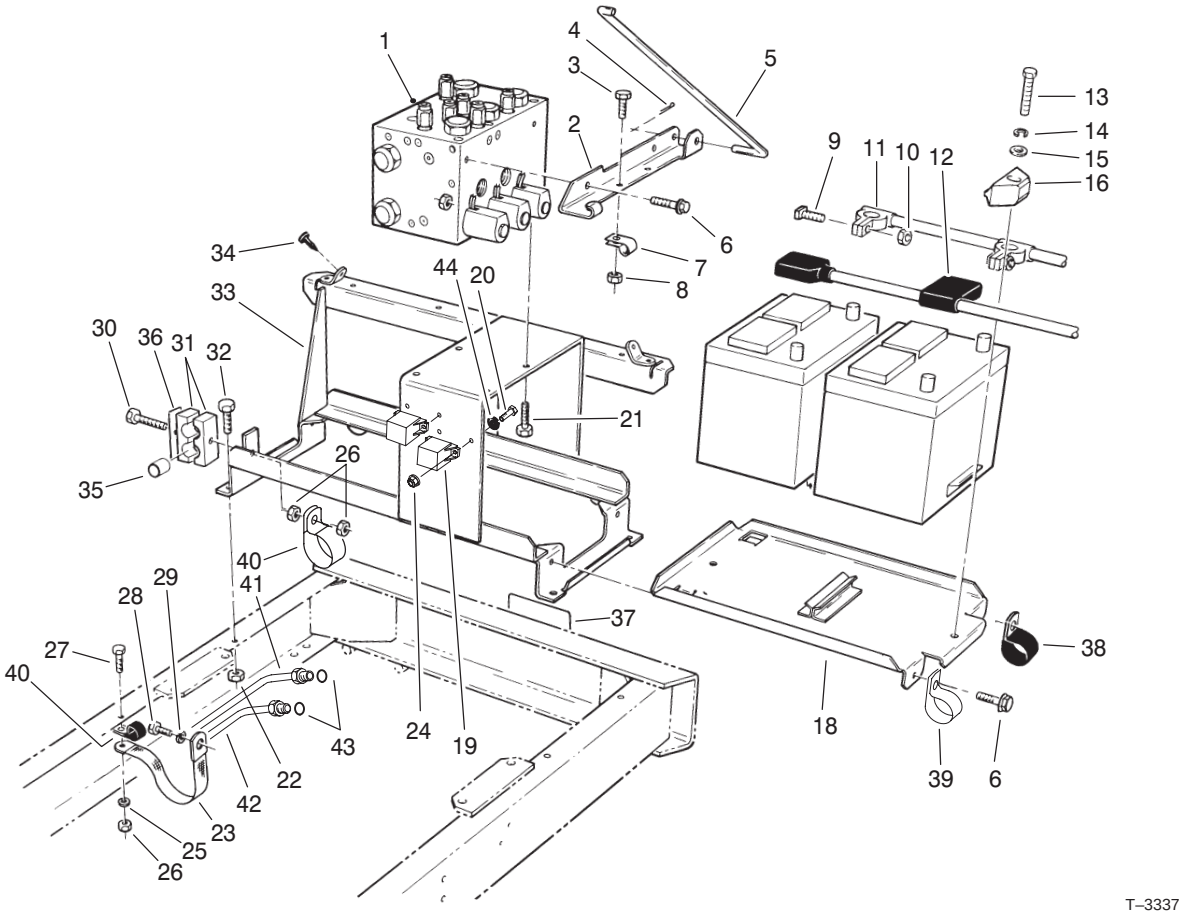

T–0376–1

# Fuel/Water Filter Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 37–9560 | 1 | Hose–Fuel |
| 2 | 2412–108 | 3 | Clamp–Hose |
| 3 | 353–781 | 2 | Fitting–Elbow, Fuel |
| 4 | 63–8280 | 1 | Head–Filter, Fuel (Incl. Ref. #5) |
| 5 | 63–8290 | 1 | Vent–Air |
| 7 | 71–2690 | 1 | Hose–Fuel |
| 8 | 63–8310 | 1 | Valve–Drain |
| 9 | 69–1760 | 1 | Sensor–Water |
| 10 | 237–154 | 1 | O–Ring |
| 11 | 69–1770 | 1 | Element–Spin–On (Incl. Ref. #6) |
| * | 69–1750 | 1 | Fuel Filter ASM (Incl. Ref. #4, 5 & 8–11) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

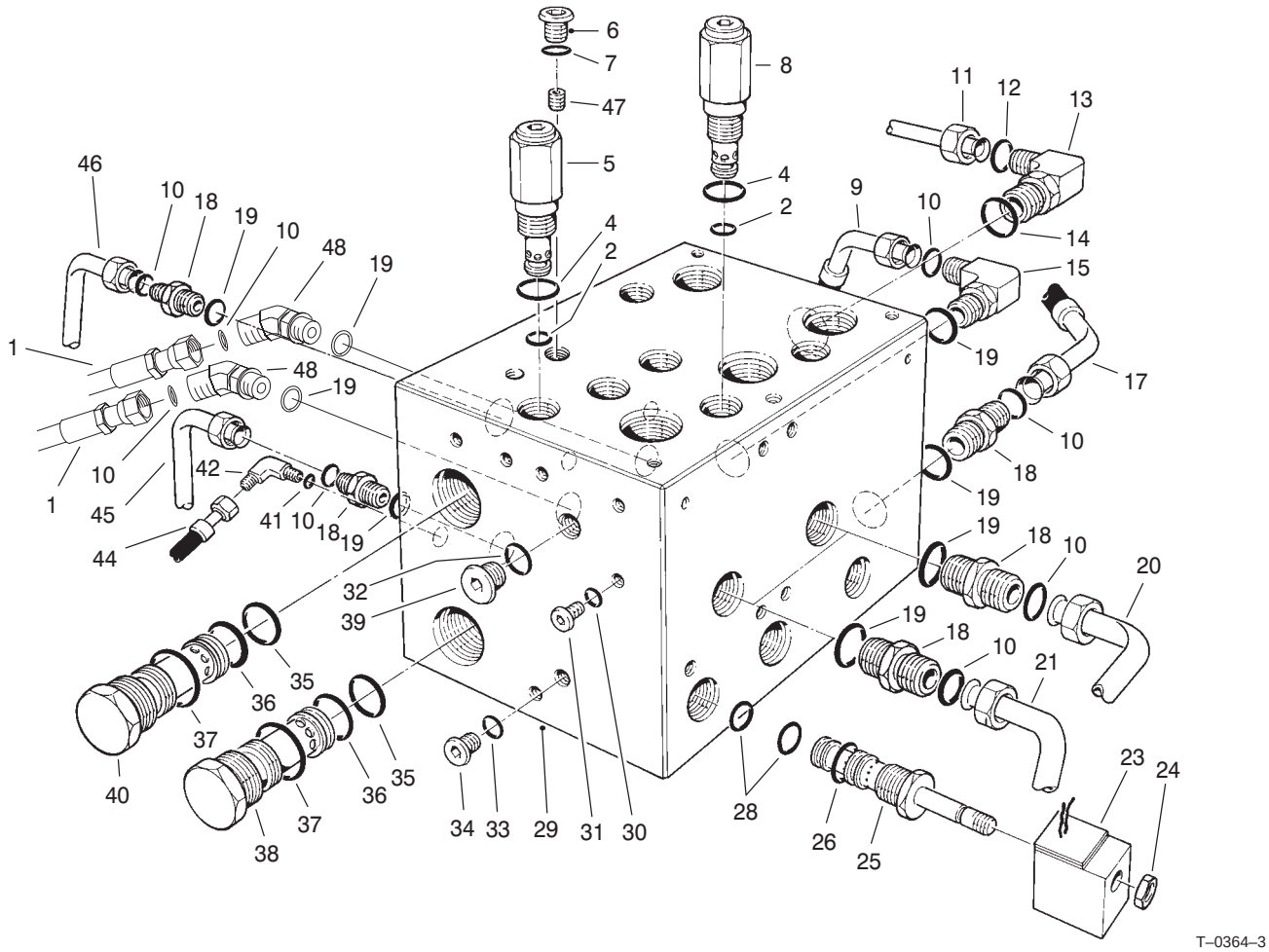



# Battery Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 95–5908 | 1 | Manifold ASM (Power Take Off) |
| 2 | 69–9350–03 | 1 | Bracket–Rod, Hood Prop |
| 3 | 321–3 | 3 | Screw–HH |
| 4 | 3272–6 | 1 | Pin–Cotter |
| 5 | 69–9120–03 | 1 | Rod–Prop, Hood |
| 6 | 3234–17 | 4 | Screw–HFH |
| 7 | 2412–73 | 3 | Clamp–R |
| 8 | 32149–2 | 3 | Nut–Keps |
| †9 | | 4 | Bolt–Clamp |
| †10 | | 4 | Nut–Clamp |
| 11 | 95–1839 | 1 | Cable–Negative |
| 12 | 98–7308 | 1 | Cable–Positive |
| 13 | 323–9 | 2 | Screw–HH |
| 14 | 3253–21 | 2 | Washer–Lock |
| 15 | 3256–24 | 2 | Washer–Flat |
| 16 | 66–2490 | 2 | Hold–Down–Battery |
| ‡17 | | 2 | Battery (Type 24, LTV) |
| 18 | 80–0160–03 | 1 | Tray–Battery |
| 19 | 66–8800 | 2 | Relay |
| 20 | 3290–321 | 4 | Screw–HH |
| 21 | 323–4 | 4 | Screw–HH |
| 22 | 32152–2 | 4 | Nut–Lock |
| 23 | 18–2770 | 1 | Strap–Ground |
| 24 | 3296–2 | 4 | Nut–Lock |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 3254–2 | 1 | Washer–Lock |
| 26 | 32152–1 | 3 | Nut–Lock |
| 27 | 322–5 | 1 | Screw–HH |
| 28 | 33116–020 | 1 | Screw–HH |
| 29 | 48–8070 | 1 | Washer–Lock |
| 30 | 322–11 | 1 | Screw–HH |
| 31 | 56–7974 | 2 | Clamp–Lines, Hydraulic |
| 32 | 323–6 | 4 | Screw–HH |
| 33 | 69–8290–03 | 1 | Frame–Battery |
| 34 | 237–37 | 4 | Bumper–Rubber |
| 35 | 23–7250 | 1 | Spacer |
| 36 | 69–9761 | 1 | Plate–Clamp |
| 37 | 72–4080 | 1 | Decal–Danger |
| 38 | 2412–41 | 1 | Clamp |
| 39 | 2412–39 | 1 | Clamp |
| 40 | 2412–104 | 2 | Clamp–R |
| 41 | 99–4965 | 1 | Return Tube Front ASM |
| 42 | 100–2516 | 1 | Front Deck Pressure Tube ASM |
| 43 | 237–58 | 2 | O–Ring |
| 44 | 3253–2 | 4 | Washer–Lock |

† Not Serviceable Separately
‡ Obtain Locally

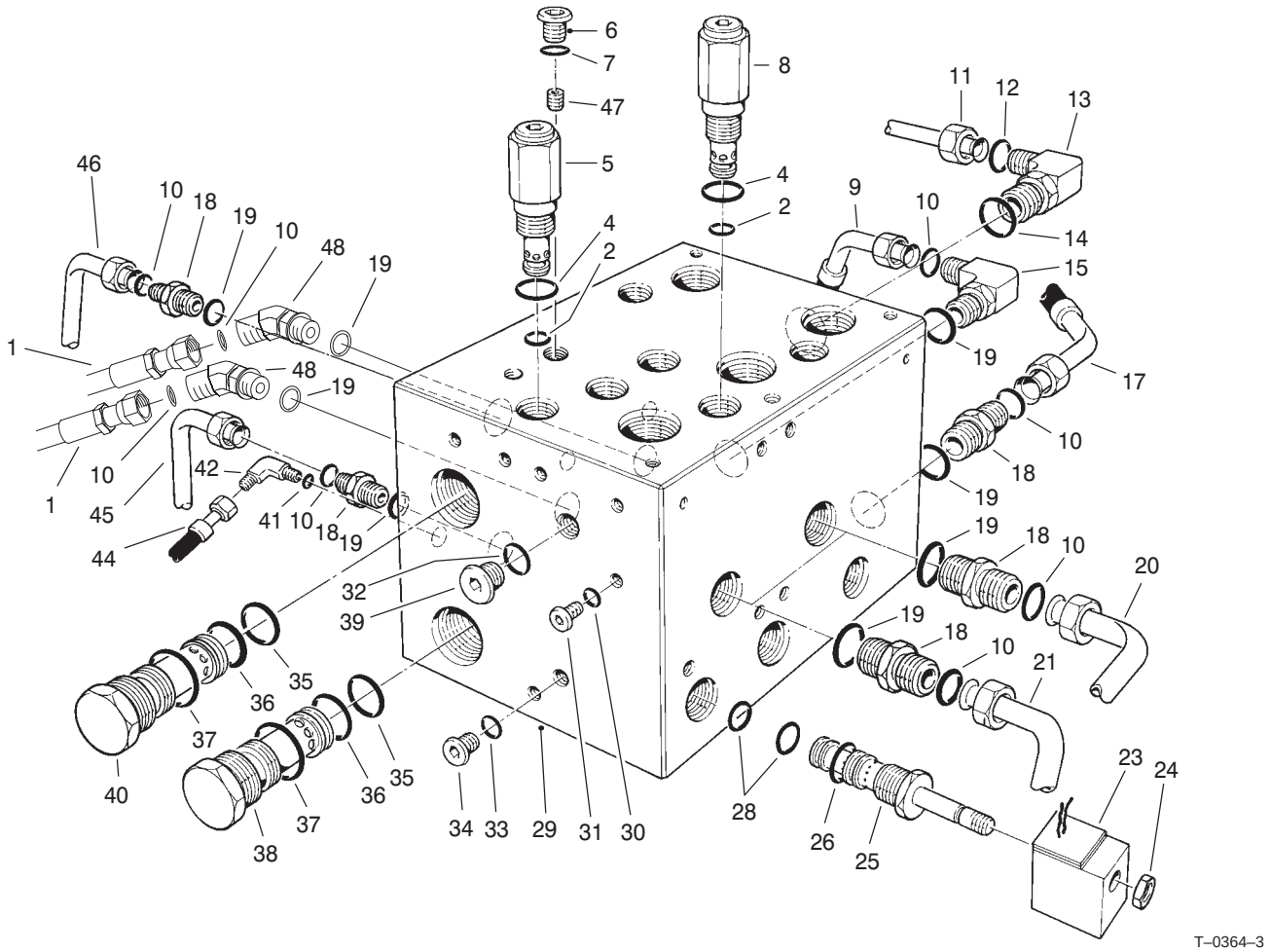



# PTO Manifold Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 98–0655 | 2 | Hose–Hydraulic |
| †2 | | 6 | O–Ring |
| †4 | | 6 | O–Ring |
| 5 | 95–5640 | 3 | Valve–Cartridge (600 lbs) (Incl. Ref. #2–4) |
| 6 | 353–989 | 1 | Plug (Incl. Ref. #7) |
| 7 | 237–42 | 1 | O–Ring |
| 8 | 95–5635 | 3 | Valve–Cartridge (3000 lbs) (Incl. Ref. #2–4) |
| 9 | 69–5600 | 1 | Hose–Hydraulic |
| 10 | 237–58 | 8 | O–Ring |
| 11 | 69–6160 | 1 | Tube–Hydraulic |
| 12 | 340–65 | 2 | O–Ring |
| 13 | 340–129 | 1 | Fitting–Hydraulic Elbow (Incl. Ref. #12 & 14) |
| 14 | 237–146 | 1 | O–Ring |
| 15 | 340–142 | 1 | Fitting–Elbow, Hydraulic (Incl. Ref. #10 & 16) |
| 17 | 69–5610 | 1 | Hose–Hydraulic |
| 18 | 340–9 | 5 | Fitting–Straight, Hydraulic (Incl. Ref. #10 & 19) |
| 19 | 237–81 | 8 | O–Ring |
| 20 | 69–6180 | 1 | Tube–Hydraulic |
| 21 | 69–6170 | 1 | Tube–Hydraulic |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 88–9190 | 3 | Solenoid Coil ASM |
| 24 | 3219–10 | 3 | Nut–Jam |
| 25 | 95–5639 | 3 | Spool–Valve, Solenoid (Incl. Ref. #24, 26–28) |
| †26 | | 3 | O–Ring |
| †28 | | 6 | O–Ring |
| †29 | | 1 | Manifold–Take Off, Power |
| 30 | 237–156 | 30 | O–Ring |
| 31 | 353–991 | 30 | Plug (Incl. Ref. #30) |
| 32 | 237–79 | 4 | O–Ring |
| 33 | 237–78 | 1 | O–Ring |
| 34 | 353–990 | 1 | Plug (Incl. Ref. #33) |
| †35 | | 6 | O–Ring |
| †36 | | 6 | O–Ring |
| †37 | | 6 | O–Ring |
| 38 | 95–5637 | 3 | Valve–Cartridge (75 lbs) (Incl. Ref. #35–37) |
| 39 | 353–988 | 4 | Plug (Incl. Ref. #32) |
| 40 | 95–5636 | 3 | Valve–Cartridge (20 lbs) (Incl. Ref. #35–37) |
| 41 | 237–78 | 2 | O–Ring |
| 42 | 353–431 | 2 | Fitting–Hydraulic 45° (Incl. Ref. #41 & 43) |
| 44 | 93–7423 | 2 | Hose–Diagnostic |
| 45 | 69–6140 | 1 | Tube–Hydraulic |

† Not Serviceable Separately



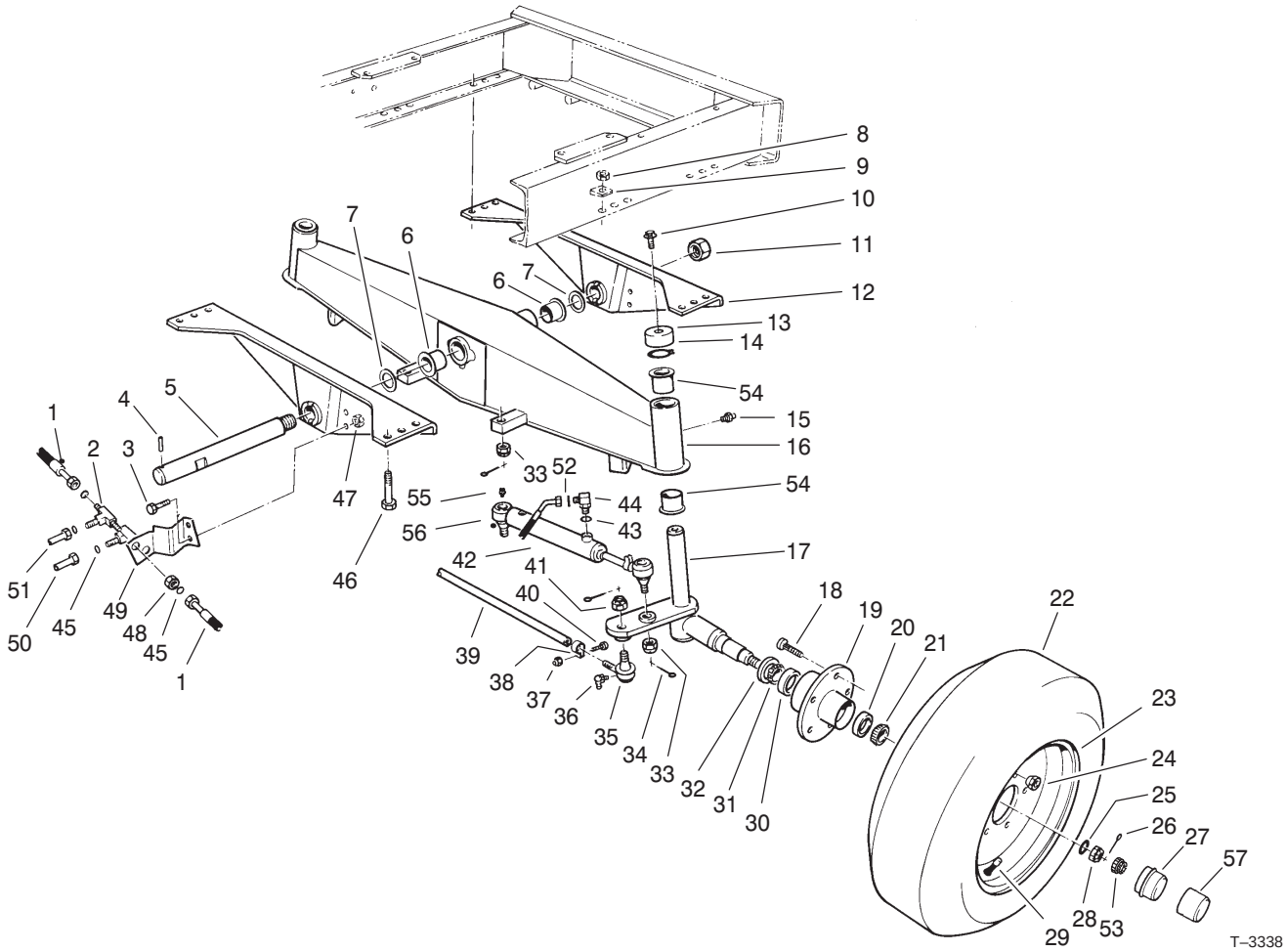

T–0364–3

# PTO Manifold Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 46 | 69–6150 | 1 | Tube–Hydraulic |
| 47 | 69–4220 | 1 | Plug–Orifice |
| 48 | 98–0657 | 2 | Fitting–Hydraulic (Incl. Ref. #) |
| * | 95–5645 | 6 | Kit–Cartridge, Valve Seal (Incl. Ref. #2 & 4) |
| * | 95–5644 | 6 | Kit–Cartridge, Valve Seal (Incl. Ref.#35–37) |
| * | 95–5643 | 3 | Kit–Seal, Solenoid Valve (Incl. Ref.#26–28) |
| * | 95–5908 | 1 | Manifold ASM ( Power Take Off) (Incl. Ref. #2, 4–8, 22–40 & 47) |
| ‘ | | | |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| | | | |

* Not Illustrated

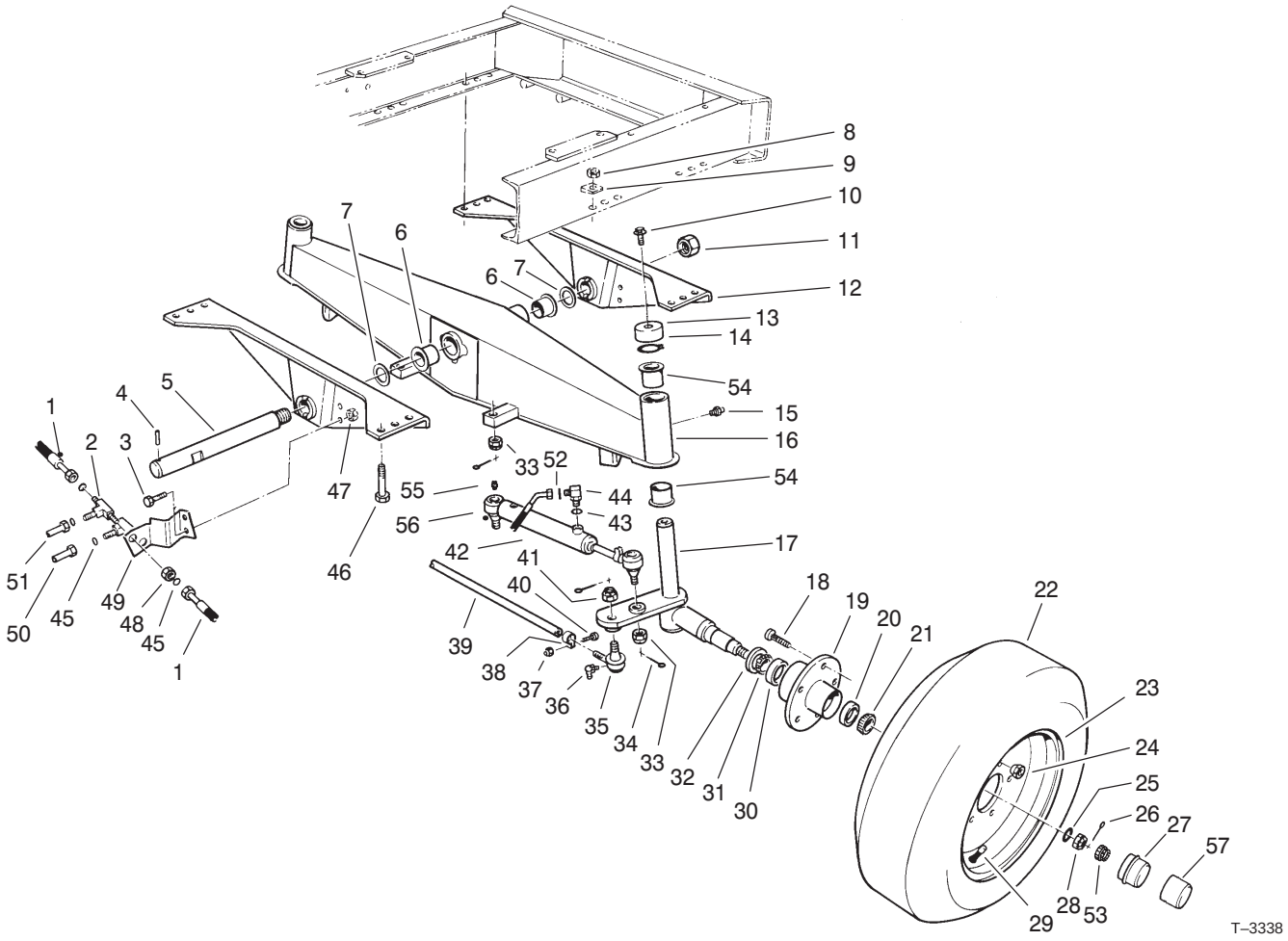



# Rear Axle Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–5510 | 4 | Hose–Hydraulic |
| 2 | 340–68 | 2 | Fitting–Hydraulic Bulkhead Tee (Incl. Ref. #45) |
| 3 | 323–6 | 2 | Screw–HH |
| 4 | 32121–110 | 1 | Pin–Roll |
| 5 | 71–2590 | 1 | Shaft–Pivot |
| 6 | 69–6470 | 2 | Bushing–Flange |
| 7 | 256–304 | 2 | Washer–Thrust |
| 8 | 32128–23 | 12 | Nut–Lock |
| 9 | 3290–216 | 12 | Washer–Bevel |
| 10 | 3234–12 | 2 | Screw–HFH |
| 11 | 3296–68 | 1 | Nut–Lock |
| 12 | 69–7960–01 | 2 | Support–Axle |
| 13 | 100–3362 | 2 | Cap–Spindle |
| 14 | 100–4169 | 2 | Ring–Retaining |
| 15 | 302–5 | 3 | Fitting–Grease |
| 16 | 100–3364 | 1 | Axle–Rear (Incl. Ref. #6 & 15) |
| 17 | 100–3358 | 1 | Spindle–Wheel, LH |
| * | 100–3359 | 1 | Spindle–Wheel, RH |
| 18 | 69–2990 | 10 | Screw–Drive |
| 19 | 69–2960–01 | 2 | Hub–Wheel, Rear (Incl. Ref.#18, 20 & 30) |
| 20 | 254–72 | 2 | Cup–Bearing, Outer |
| 21 | 254–92 | 2 | Cone–Bearing, Outer |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 69–9880 | 2 | Tire |
| 23 | 217–116 | 2 | Rim |
| 24 | 23–7270 | 10 | Nut–Lug |
| 25 | 93–0309 | 2 | Washer |
| 26 | 3272–13 | 2 | Pin–Cotter |
| 27 | 100–3769 | 2 | Cap–Hub |
| 28 | 3220–7 | 2 | Nut–Jam |
| 29 | 232–27 | 2 | Stem–Valve |
| 30 | 254–107 | 2 | Cup–Bearing, Inner |
| 31 | 254–106 | 2 | Cone–Bearing, Inner |
| 32 | 69–2980 | 2 | Seal–Inner |
| 33 | 32136–13 | 4 | Nut–Castle |
| 34 | 3272–12 | 6 | Pin–Cotter |
| 35 | 2116–4 | 1 | Joint–Ball, RH |
| * | 2116–3 | 1 | Joint–Ball, LH |
| 36 | 302–33 | 2 | Fitting–Grease |
| †37 | | 2 | Nut–Lock |
| 38 | 2412–7 | 2 | Clamp ASM (Incl. Ref. #37 & 40) |
| 39 | 3–3710–01 | 1 | Tie Rod ASM (Incl. Ref. #35–41) |
| †40 | | 2 | Screw–HH |
| 41 | 32136–2 | 2 | Nut–Castle |
| 42 | 98–0661 | 2 | Hydraulic Cylinder ASM |
| 43 | 237–78 | 4 | O–Ring |

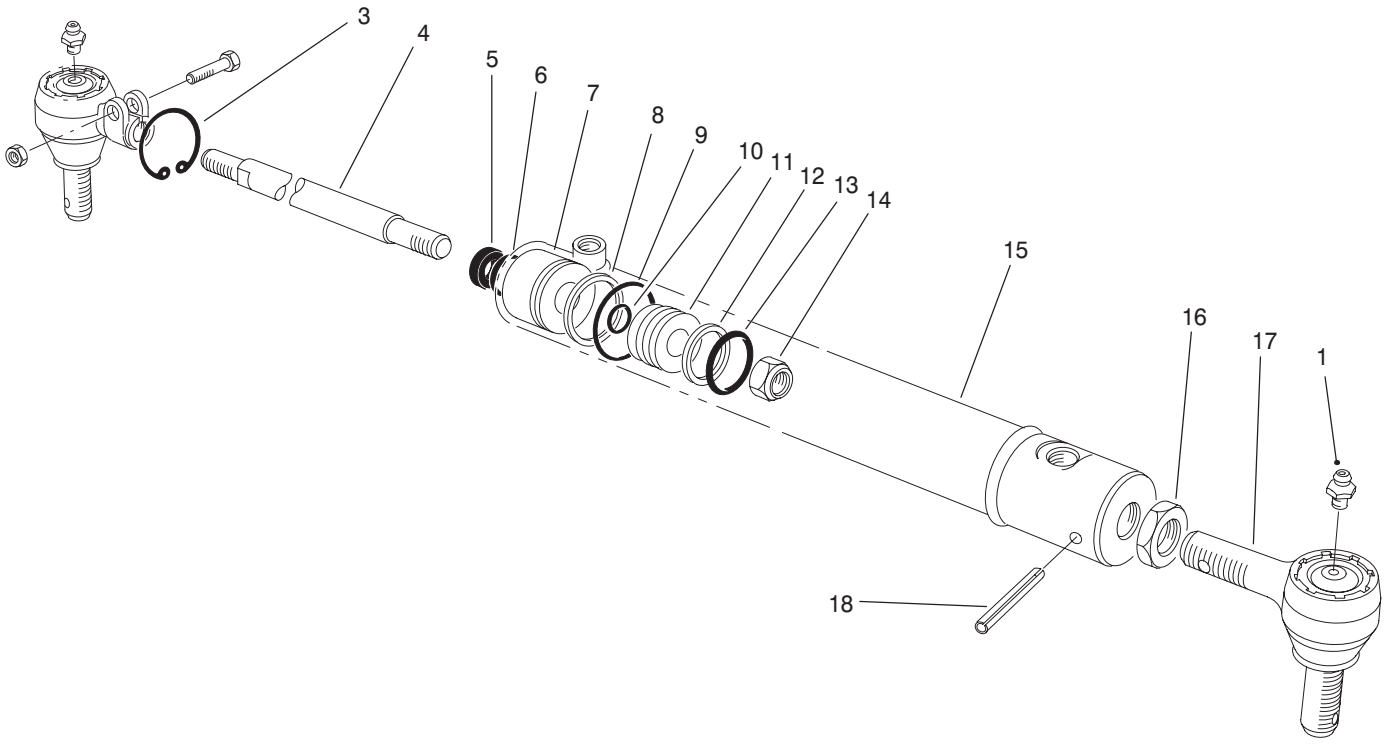
* Not Illustrated
† Not Serviceable Separately




# Rear Axle Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 44 | 340–132 | 4 | Fitting–Elbow, Hydraulic (Incl. Ref. #43 & 52) |
| 45 | 237–22 | 6 | O–Ring |
| 46 | 325–6 | 12 | Screw–HH |
| 47 | 32152–2 | 2 | Nut–Lock |
| 48 | 340–70 | 2 | Nut–Bulkhead |
| 49 | 95–6487–03 | 1 | Bracket–Support, Hose |
| 50 | 69–6010 | 1 | Tube–Hydraulic |
| 51 | 69–6020 | 1 | Tube–Hydraulic |
| 52 | 237–21 | 4 | O–Ring |
| 53 | 93–0307 | 2 | Nut–Retainer |
| 54 | 100–2506 | 4 | Bushing–Flange |
| 55 | 302–5 | 1 | Fitting–Grease |
| 56 | 69–9810–03 | 1 | Ball Joint ASM (Incl. Ref. #55) |
| 57 | 100–3809 | 2 | Bearing Protector |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



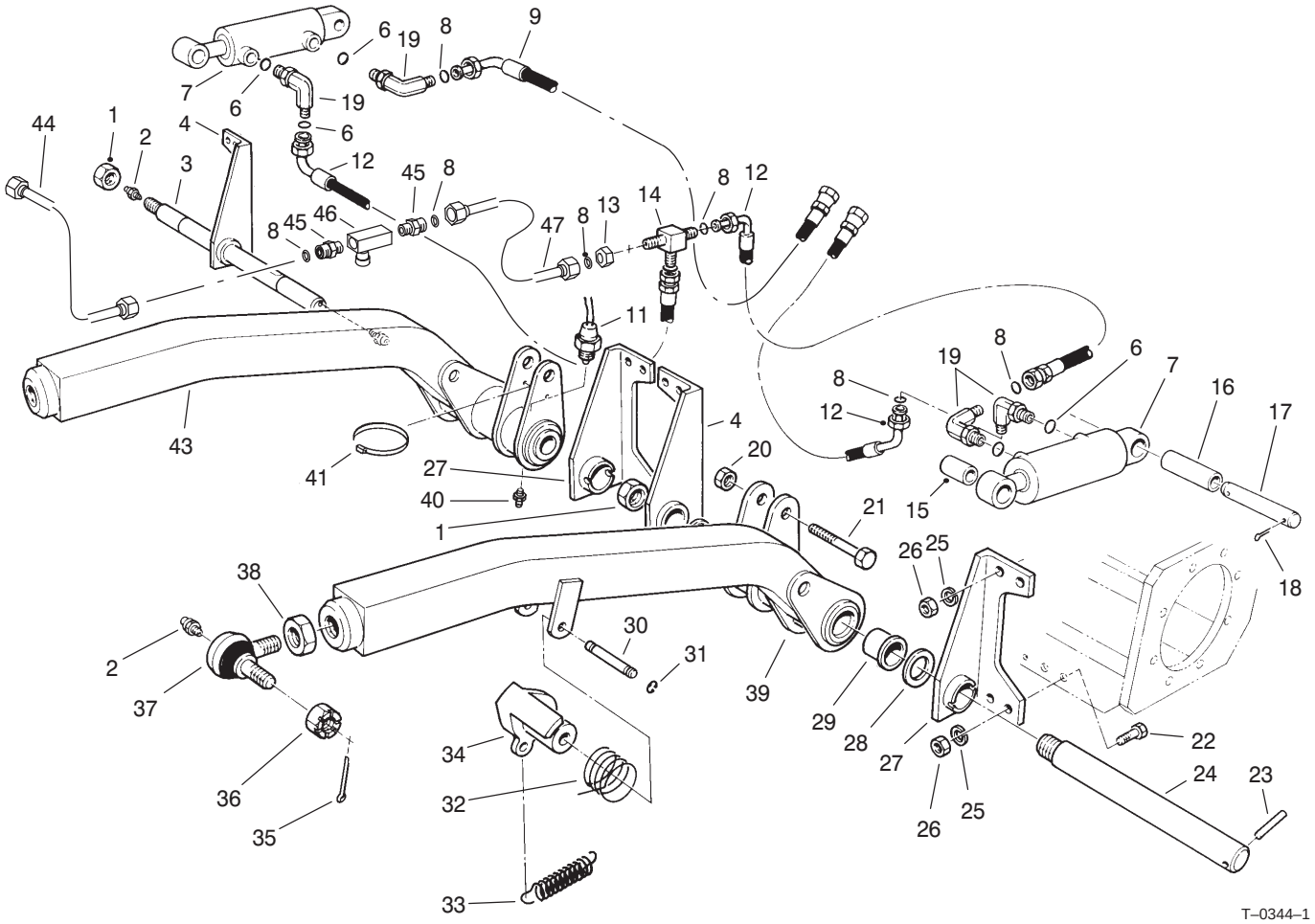

T–3339

# Hydraulic Cylinder Assembly No. 98–0661

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 302–5 | 1 | Fitting–Grease |
| 3 | | 1 | Ring–Retaining |
| 4 | 98–0666 | 1 | Rod–Piston |
| 5 | | 1 | Wiper–Rod |
| 6 | | 1 | Seal–U–Cup |
| 7 | 98–0664 | 1 | Ring–Head |
| 8 | | 1 | Ring–Back–Up |
| 9 | | 1 | O–Ring |
| 10 | | 1 | O–Ring |
| 11 | 98–0665 | 1 | Piston |
| 12 | | 1 | Ring–Piston |
| 13 | | 1 | O–Ring |
| 14 | 43–5130 | 1 | Nut–Lock |
| 15 | | 1 | Barrel–Cylinder |
| 16 | 69–1980 | 1 | Nut–Jam |
| 17 | 69–1970 | 1 | Joint–Ball |
| 18 | 32121–34 | 1 | Pin–Roll |
| * | 98–0667 | 1 | Kit–Repair (Incl. Ref. #3, 5, 6, 8–10 & 12–13) |
| * | 98–0661 | 2 | Cylinder–Steering (Complete) (Incl. Ref. #3–18) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

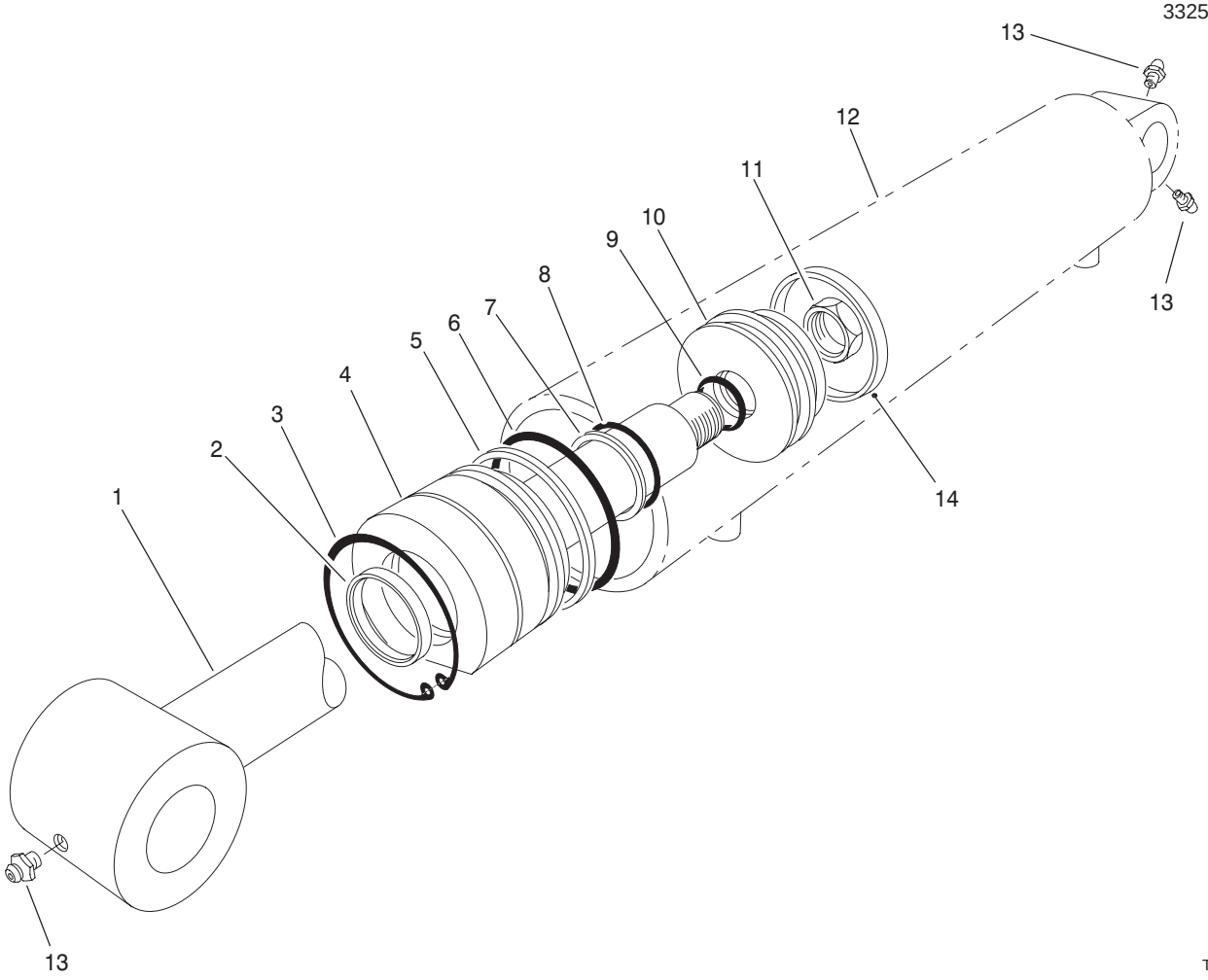
* Not Illustrated




# Front Lift Arm Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3296–68 | 2 | Nut–Lock |
| 2 | 302–2 | 4 | Fitting–Grease |
| 3 | 71–2570 | 1 | Shaft–Pivot |
| 4 | 69–7940–01 | 2 | Support–Lift Arm, RH |
| 6 | 237–42 | 4 | O–Ring |
| 7 | 92–4971 | 2 | Hyd. Cylinder ASM |
| 8 | 237–22 | 9 | O–Ring |
| 9 | 69–8440 | 1 | Hose–Hydraulic |
| 11 | 72–4310 | 1 | Switch–Ball |
| 12 | 69–5440 | 3 | Hose–Hydraulic |
| 13 | 340–70 | 1 | Nut–Bulkhead |
| 14 | 340–68 | 1 | Fitting–Hydraulic Bulk. Tee (Incl. Ref. #8) |
| 15 | 98–7346 | 2 | Tube–Bushing, Cylinder |
| 16 | 20–4360–03 | 2 | Tube–Spacer |
| 17 | 69–9180 | 2 | Pin–Cylinder |
| 18 | 3272–23 | 4 | Pin–Cotter |
| 19 | 340–77 | 4 | Fitting–Elbow, Hydraulic (Incl. Ref. #6 & 8) |
| 20 | 32153–6 | 2 | Nut–Lock |
| 21 | 328–5 | 2 | Screw–HH |
| 22 | 325–6 | 12 | Screw–HH |
| 23 | 32121–110 | 2 | Pin–Roll |
| 24 | 71–2590 | 1 | Shaft–Pivot |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 3253–7 | 16 | Washer–Lock |
| 26 | 3217–9 | 16 | Nut–Hex |
| 27 | 69–7920–01 | 2 | Support–Lift Arm, LH |
| 28 | 256–304 | 2 | Washer–Thrust |
| 29 | 69–6470 | 4 | Bushing–Flange |
| 30 | 92–4806 | 1 | Pin–Latch |
| 31 | 32120–47 | 2 | Ring–Retaining |
| 32 | 69–8470–03 | 1 | Spring–Torsion |
| 33 | 76–1670–03 | 1 | Spring–Extension |
| 34 | 69–1540–03 | 1 | Pivot–Spring |
| 35 | 3272–12 | 2 | Pin–Cotter |
| 36 | 32136–2 | 2 | Nut–Slotted |
| 37 | 86–8100–01 | 2 | Joint–Ball (Incl. Ref. #2 & 36) |
| 38 | 21–3000–01 | 2 | Nut–Jam |
| 39 | 69–9580 | 1 | LH Front Lift Arm ASM (Incl. Ref. #29 & 40) |
| 40 | 302–5 | 2 | Fitting–Grease |
| 41 | 3290–378 | 1 | Tie–Cable |
| 43 | 69–9570 | 1 | RH Front Lift Arm ASM (Incl. Ref. #29 & 40) |
| 44 | 93–7426 | 1 | Tube–Hydraulic |
| 45 | 340–57 | 2 | Fitting–Straight, Hydraulic (Incl. Ref. #8) |
| 46 | 93–1397 | 1 | Valve–Control, Flow |
| 47 | 93–7427 | 1 | Tube–Hydraulic |



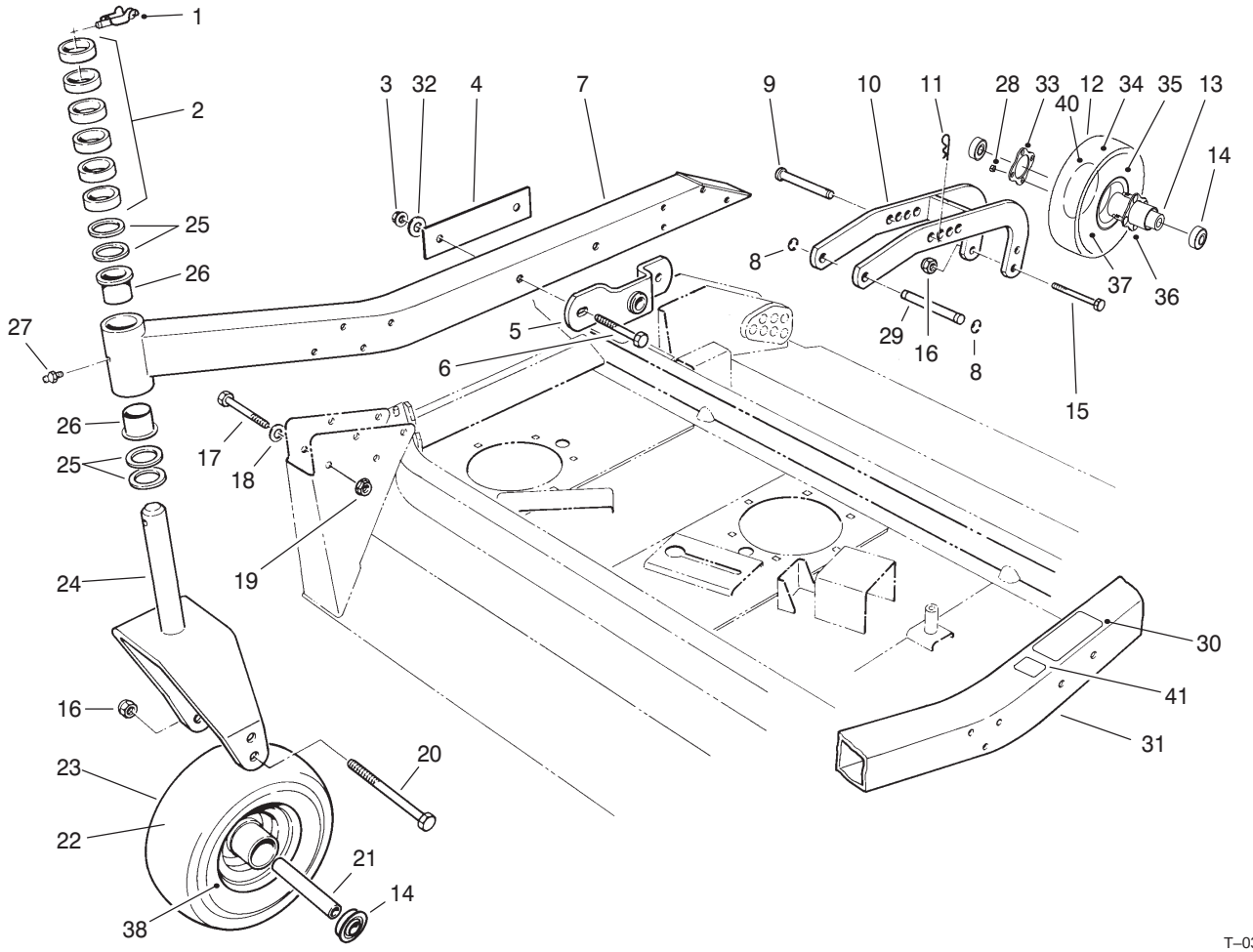

T–0380–1

# Hydraulic Cylinder Assembly No. 92–4971

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–2580 | 1 | Shaft w/Clevis |
| †2 | | 1 | Seal–Dust |
| 3 | 61–4990 | 1 | Ring–Retaining |
| 4 | 69–2570 | 1 | Head |
| †5 | | 1 | Ring–Back–Up |
| †6 | | 1 | O–Ring |
| †7 | | 1 | Ring–Back–Up |
| †8 | | 1 | O–Ring |
| †9 | | 1 | Uni–Ring |
| 10 | 60–9770 | 1 | Piston |
| 11 | 60–9760 | 1 | Nut–Lock |
| †12 | | 1 | Barrel |
| 13 | 302–5 | 3 | Fitting–Grease |
| 14 | | 1 | Seal–Uni–Ring |
| * | 86–7350 | 1 | Kit–Repair, Seal (Incl. Ref. #2 & 5–9) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated
† Not Serviceable Separately

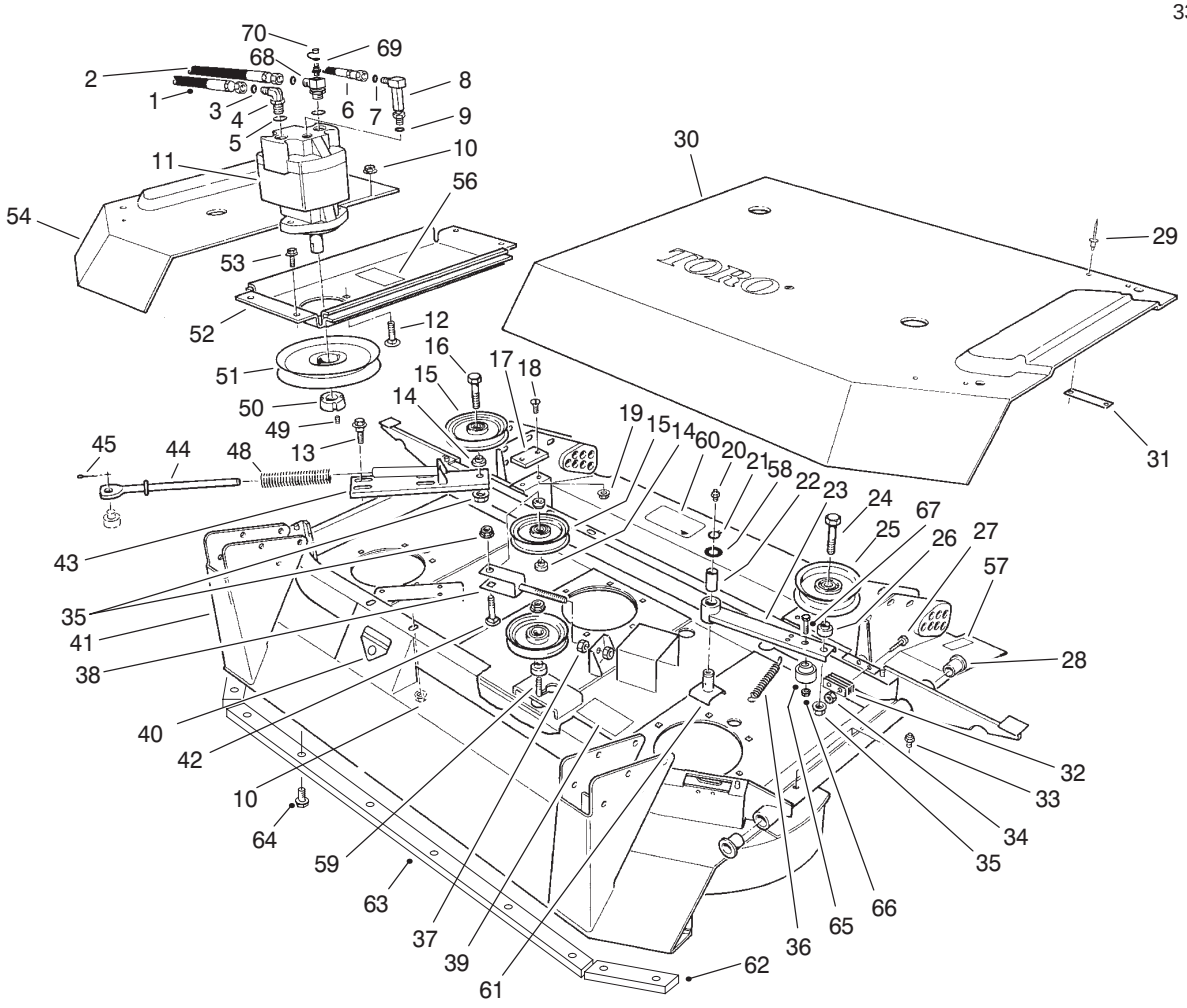



T–0362–4

# Center Deck Model No. 30592
# Carrier Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3290–384 | 2 | Pin–Lynch |
| 2 | 69–1510 | 12 | Spacer–Caster |
| 3 | 32128–23 | 4 | Nut–HHF |
| 4 | 69–8790–01 | 2 | Plate–Reinforcing |
| 5 | 69–7290–01 | 2 | Mount–Joint, Ball |
| 6 | 325–15 | 4 | Screw–HH |
| 7 | 69–8860 | 1 | Arm–Castor, RH (Incl. Ref. #26–27) |
| 8 | 32151–48 | 4 | Ring–Retaining |
| 9 | 283–70 | 2 | Pin–Hitch (Incl. Ref. #11) |
| 10 | 98–3047 | 2 | Arm–Pivot |
| 11 | 3290–343 | 2 | Pin–Cotter, Hair |
| 12 | 93–4240 | 2 | 10” Wheel–Pneumatic (Incl. Ref. #13–14, 28, 33–37, & 40) |
| 13 | 93–4241 | 2 | Spacer |
| 14 | 93–4237 | 8 | Bearing |
| 15 | 327–24 | 2 | Screw HH |
| 16 | 3296–53 | 4 | Nut–Lock |
| 17 | 323–15 | 16 | Screw–HH |
| 18 | 5–0838 | 16 | Washer–Flat |
| 19 | 32128–43 | 16 | Nut–HHF |
| 20 | 327–25 | 2 | Screw–HH |

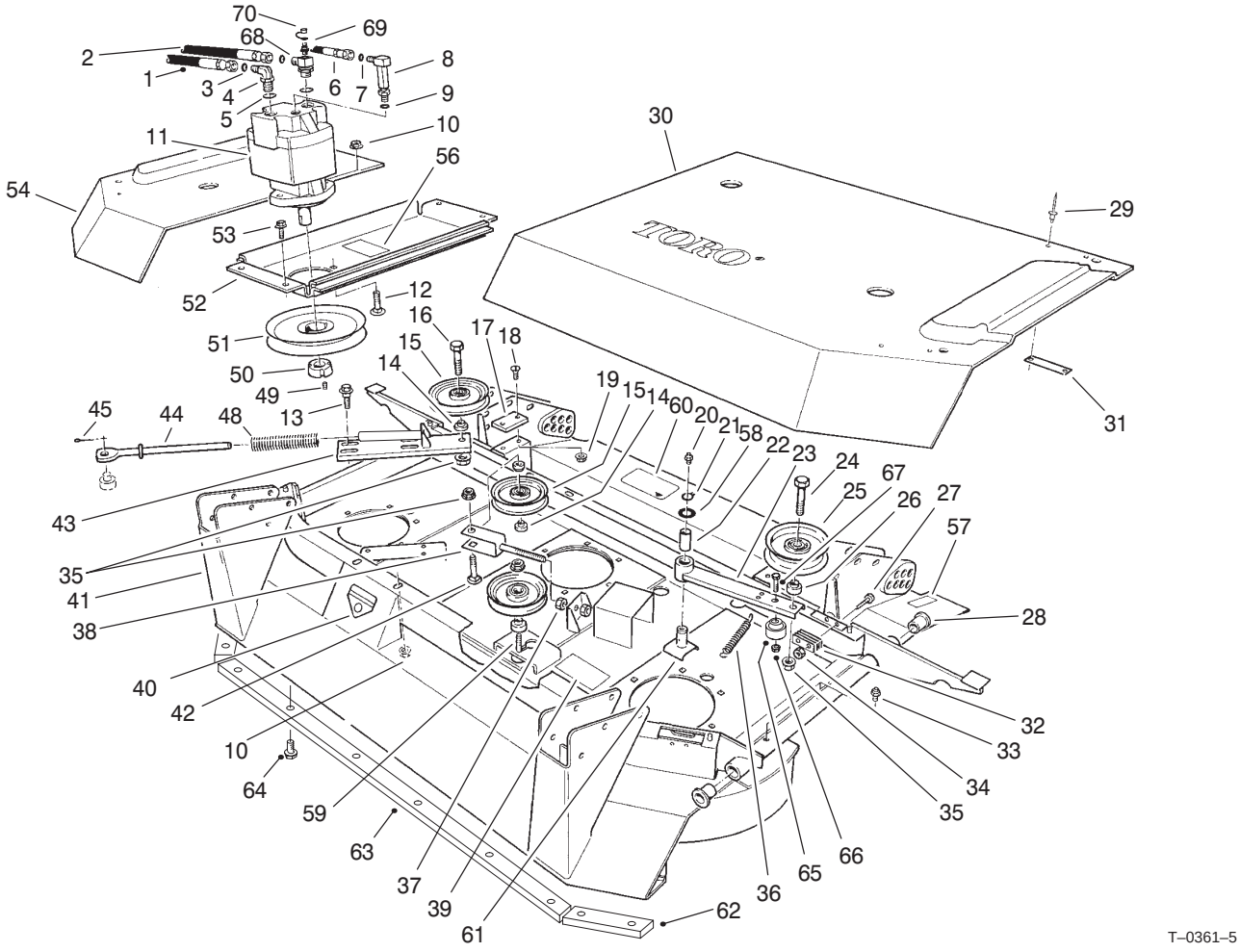
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 93–5630 | 2 | Spacer–Bearing |
| 22 | 98–7313 | 2 | Tire–12” |
| 23 | 98–7312 | 2 | Wheel–Pneumatic, 12” (Incl. Ref. #14, 21–22 & 38) |
| 24 | 98–7302–01 | 2 | Fork–Castor |
| 25 | 69–6860 | 8 | Washer–Castor |
| 26 | 69–6470 | 4 | Bushing–Flange |
| 27 | 302–5 | 2 | Fitting–Grease |
| 28 | 32128–16 | 8 | Nut–HHF |
| 29 | 69–9260 | 2 | Pin–Clevis |
| 30 | 95–0818 | 1 | Decal–Torque |
| 31 | 13–5069 | 1 | Arm–Castor, LH (Incl. Ref. #26–27, & 30) |
| 32 | 30–8770 | 4 | Washer–Flat |
| 33 | 93–4242 | 2 | Plate |
| 34 | 93–4243 | 2 | Tire–10” |
| 35 | 93–4239 | 4 | Rim–Wheel |
| 36 | 93–5980 | 2 | Hub |
| 37 | 93–4244 | 2 | Tube–w/Valve |
| 38 | 93–5631 | 2 | Rim–Wheel |
| 40 | 95–2741 | 2 | Rim–Wheel |
| 41 | 93–7252 | 1 | Decal–CE |




T–0361–5

# Center Deck Model No. 30592

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 76–2760 | 1 | Hydraulic Hose ASM |
| 2 | 76–2750 | 1 | Hydraulic Hose ASM |
| 3 | 237–58 | 2 | O–Ring |
| 4 | 95–1692 | 1 | Fitting–Elbow, Hydraulic (Incl. Ref #3 & 5) |
| 5 | 237–81 | 2 | O–Ring |
| 6 | 76–2770 | 1 | AHydraulic Hose ASM |
| 7 | 237–22 | 1 | O–Ring |
| 8 | 69–4320 | 1 | Fitting–Hydraulic, 90° (Incl. Ref. #7 & 9) |
| 9 | 237–42 | 1 | O–Ring |
| 10 | 32128–21 | 6 | Nut–HHF |
| 11 | 94–4907 | 1 | Motor–Hydraulic |
| 12 | 3231–28 | 2 | Bolt–CARR |
| 13 | 19–1470 | 4 | Bolt–Shoulder |
| 14 | 69–6960 | 4 | Spacer–Idler |
| 15 | 63–1540–03 | 3 | Pulley–Idler |
| 16 | 325–7 | 1 | Screw–HH |
| 17 | 69–9290 | 2 | Pad–Bumper |
| 18 | 32108–103 | 4 | Screw–FH |
| 19 | 32128 –20 | 4 | Nut–HHF |
| 20 | 302–2 | 1 | Fitting–Grease |
| 21 | 32120–72 | 1 | Ring–Retaining |
| 22 | 256–188 | 1 | Bushing–Sleeve |
| 23 | 69–6610–01 | 1 | Arm–Idler (Incl. Ref. # 22) |
| 24 | 325–8 | 1 | Screw–HH |
| 25 | 69–5430–03 | 1 | Pulley–Idler |
| 26 | 69–6970 | 1 | Spacer–Idler |
| 27 | 32105–1 | 8 | Screw–Machine |
| 28 | 92–3162 | 4 | Bushing–Flange |
| 29 | 3269–25 | 8 | Rivet–Pop |
| 30 | 69–6780 | 1 | Cover–Left, Center |
| 31 | 69–6870 | 4 | Plate–Magnet |
| 32 | 69–6260 | 4 | Magnet–Cover |
| 33 | 302–5 | 4 | Fitting–Grease |
| 34 | 3296–2 | 8 | Nut–Lock |
| 35 | 32128–23 | 4 | Nut–Flange, Lock |
| 36 | 76–1670–03 | 1 | Spring–Extension |
| 37 | 3217–9 | 2 | Nut–Jam |
| 38 | 69–6550 | 1 | Arm–Tension |
| 39 | 95–0833 | 1 | Decal–Routing, Belt |
| 40 | 43–8480 | 1 | Decal–Danger |
| 41 | 13–4969 | 1 | Deck–Center (Incl. Ref. #20, 28, 33, 39, 40 & 57) |
| 42 | 3233–27 | 1 | Bolt–CARR |
| 43 | 98–0755–03 | 1 | Plate–Tension |
| 44 | 77–2830 | 1 | Rod–Spring |
| 45 | 3272–7 | 1 | Pin–Cotter |



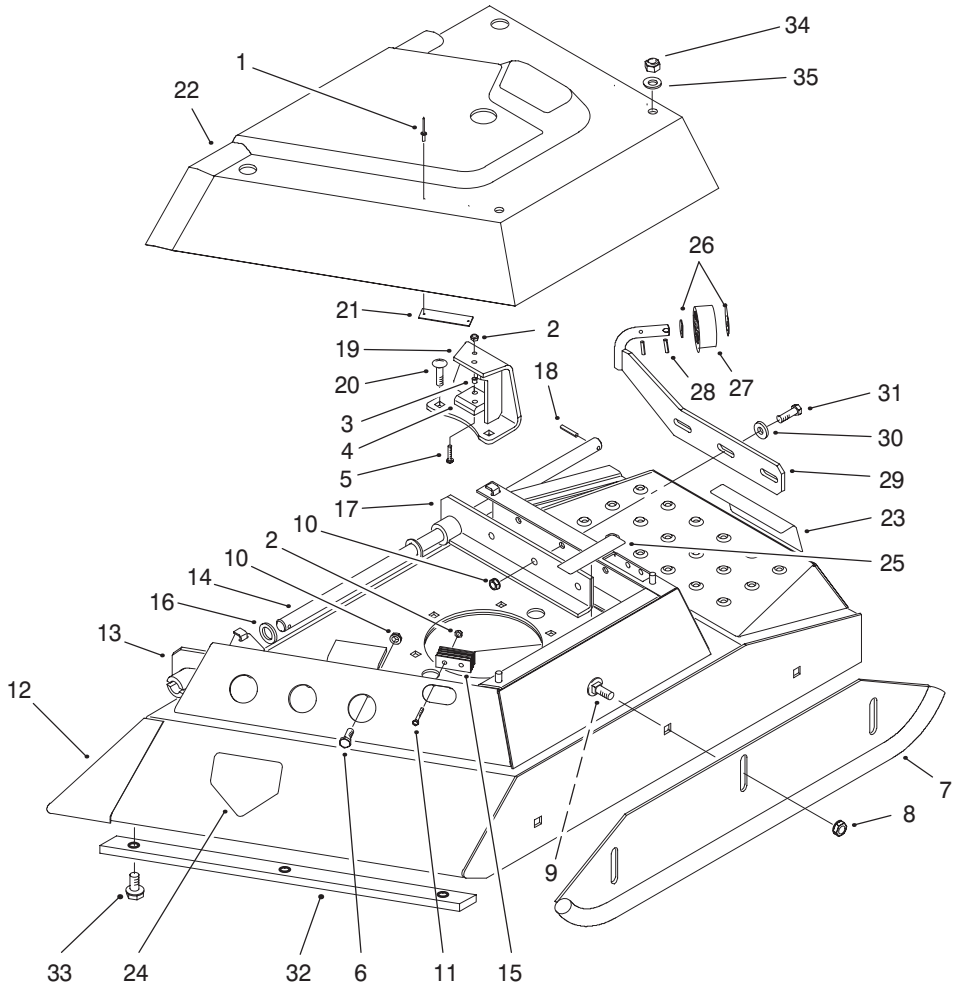

T–0361–5

# Center Deck Model No. 30592 (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 48 | 86–7480 | 1 | Spring–Compression |
| 49 | | 2 | Screw–Set |
| 50 | 23–1640 | 1 | Bushing–Lock, Taper (Incl. Ref. #49) |
| 51 | 63–0660–03 | 1 | Pulley–Drive |
| 52 | 69–6390–01 | 1 | Plate–Gearbox |
| 53 | 3234–12 | 4 | Screw–HFH |
| 54 | 69–6790 | 1 | Cover–Right, Center |
| 56 | 95–0845 | 1 | Decal–HOC |
| 57 | 95–0817 | 1 | Decal–HOC |
| 58 | 3–6498 | 1 | Washer–Flat |
| 59 | 3233–30 | 1 | Bolt–CARR |
| 60 | 66–1340 | 1 | Decal–Danger |
| 60 | 93–7824 | 1 | Decal–Danger (Europe) |
| 61 | 93–9324 | 1 | Pivot–Idler |
| 62 | 94–9820 | 2 | Bar–Guard, Front RH & LH (Europe) |
| 63 | 94–9819 | 1 | Bar–Guard, Front Center (Europe) |
| 64 | 32104–31 | 10 | Screw–HW (Europe) |
| 65 | 98–3038 | 1 | Bushing–Idler |
| 66 | 32149–1 | 1 | Nut–Keps |
| 67 | 322–6 | 1 | Screw–HH |
| 68 | 99–4444 | 1 | Fitting |
| 69 | 99–4443 | 1 | Fitting |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 70 | 354–79 | 1 | Cap–Dust |
| * | 93–8457 | 1 | Belt–Drive, Hex Deck |
| * | 3290–378 | 2 | Tie–Cable |

* Not Illustrated



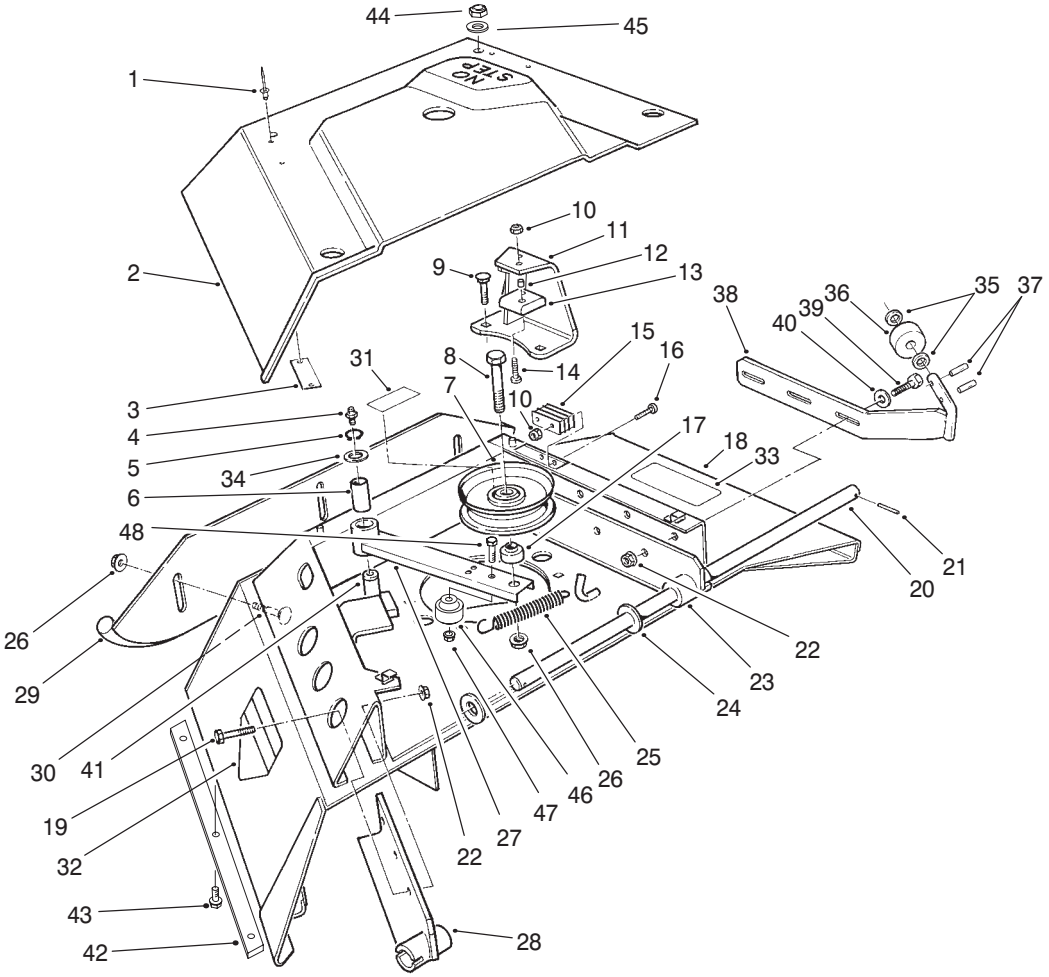

T–0366–3

# Left Wing Deck Model No. 30591

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3269–25 | 4 | Rivet–Pop |
| 2 | 3296–2 | 6 | Nut–Lock |
| 3 | 40–9520 | 2 | Spacer–Split |
| 4 | 40–0330 | 1 | Cushion–Rubber |
| 5 | 32122–28 | 2 | Screw–Head, Truss |
| 6 | 323–6 | 3 | Screw–HH |
| 7 | 69–6730–01 | 1 | Skid |
| 8 | 32128–23 | 3 | Nut–Flange Lock |
| 9 | 3233–9 | 3 | Bolt–CARR |
| 10 | 32128–21 | 6 | Nut–HHF |
| 11 | 32105–1 | 4 | Screw–Machine |
| 12 | 13–4989 | 1 | Deck–Wing, Left (Incl. Ref. #23–25) |
| 13 | 69–6640–01 | 1 | Hinge–Front, Left |
| 14 | 69–6900 | 1 | Shaft–Hinge |
| 15 | 69–6260 | 2 | Magnet–Cover |
| 16 | 95–3297 | 2 | Washer–Thrust |
| 17 | 69–6670–01 | 1 | Hinge–Rear, Left |
| 18 | 32121–6 | 2 | Pin–Roll |
| 19 | 94–6760–01 | 1 | Bracket–Support |
| 20 | 3231–25 | 2 | Bolt–CARR |
| 21 | 69–6870 | 2 | Plate–Magnet |
| 22 | 69–6850 | 1 | Cover–Wing, Left |
| 23 | 66–1340 | 1 | Decal–Danger |
| 23 | 93–7824 | 1 | Decal–Danger (Europe) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 24 | 43–8480 | 1 | Decal–Danger |
| 24 | 93–7815 | 1 | Decal–Danger (Europe) |
| 25 | 67–5360 | 1 | Decal–Danger |
| 25 | 93–7273 | 1 | Decal–Danger (Europe) |
| 26 | 3256–69 | 2 | Washer |
| 27 | 82–4910 | 1 | Roller |
| 28 | 32121–4 | 2 | Pin–Roll |
| 29 | 88–9270–01 | 1 | Bracket–Roller, LH |
| 30 | 5–0838 | 3 | Washer–Flat |
| 31 | 323–7 | 3 | Screw–HH |
| 32 | 94–9824 | 1 | Bar–Guard, LH Front Wing (Europe) |
| 33 | 32104–31 | 3 | Screw–HH (Europe) |
| 34 | 3296–29 | 2 | Nut–Lock |
| 35 | 3256–23 | 2 | Washer–Flat |
| * | 99–2318 | 1 | V–Belt |
| * | 42–6200 | A/R | Shim–Cushion |

* Not Illustrated

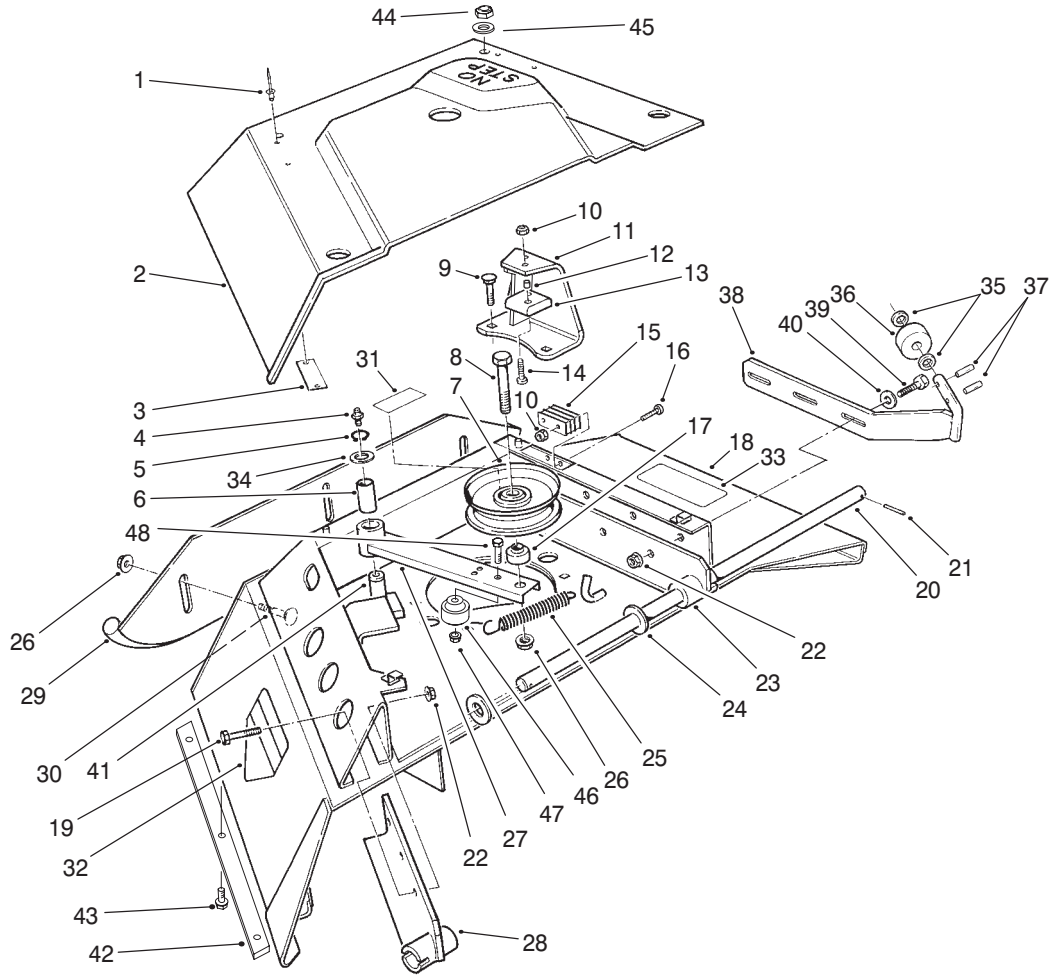



T–0365–4

# Right Wing Deck Model No. 30593

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3269–25 | 4 | Rivet–Pop |
| 2 | 69–6840 | 1 | Cover–Wing, Right |
| 3 | 69–6870 | 2 | Plate–Magnet |
| 4 | 302–2 | 1 | Fitting–Grease |
| 5 | 32120–72 | 1 | Ring–Retaining |
| 6 | 256–188 | 1 | Bushing–Sleeve |
| 7 | 69–5430–03 | 1 | Pulley–Idler |
| 8 | 325–8 | 1 | Screw–HH |
| 9 | 3231–25 | 2 | Bolt–CARR |
| 10 | 3296–2 | 6 | Nut–Lock |
| 11 | 94–6762–01 | 1 | Bracket–Support |
| 12 | 40–9520 | 2 | Spacer–Split |
| 13 | 40–0330 | 1 | Cushion–Rubber |
| 14 | 32122–28 | 2 | Screw–Head, Truss |
| 15 | 69–6260 | 2 | Magnet–Cover |
| 16 | 32105–1 | 4 | Screw–Machine |
| 17 | 69–6970 | 1 | Spacer–Idler |
| 18 | 13–4979 | 1 | Right Wing Deck ASM (Incl. Ref. #4, 32 & 33) |
| 19 | 323–6 | 3 | Screw–HH |
| 20 | 69–6900 | 1 | Shaft–Hinge |
| 21 | 32121–6 | 2 | Pin–Roll |
| 22 | 32128–21 | 6 | Nut–HHF |
| 23 | 69–6710–01 | 1 | Hinge–Rear, Right |
| 24 | 95–3297 | 2 | Washer–Thrust |
| 25 | 76–1670–03 | 1 | Spring–Extension |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 32128–23 | 4 | Nut–HHF |
| 27 | 69–6610–01 | 1 | Idler Arm ASM (Incl. Ref. #6) |
| 28 | 69–6690–01 | 1 | Hinge–Front, Right |
| 29 | 69–6730–01 | 1 | Skid |
| 30 | 3233–9 | 3 | Bolt–CARR |
| 31 | 67–5360 | 1 | Decal–Danger |
| 31 | 93–7273 | 1 | Decal–Danger (Europe) |
| 32 | 43–8480 | 1 | Decal–Danger |
| 32 | 93–7815 | 1 | Decal–Danger (Europe) |
| 33 | 66–1340 | 1 | Decal–Danger |
| 33 | 93–7824 | 1 | Decal–Danger (Europe) |
| 34 | 3–6498 | 1 | Washer |
| 35 | 3256–69 | 2 | Washer |
| 36 | 82–4910 | 1 | Roller |
| 37 | 32121–4 | 2 | Pin–Roll |
| 38 | 88–9260–01 | 1 | Bracket–Roller, RH |
| 39 | 323–7 | 3 | Screw–HH |
| 40 | 5–0838 | 3 | Washer–Flat |
| 41 | 93–9324 | 1 | Pivot–Idler |
| 42 | 94–9821 | 1 | Bar–Guard, Front Wing RH (Europe) |
| 43 | 32104–31 | 3 | Screw–HH (Europe) |



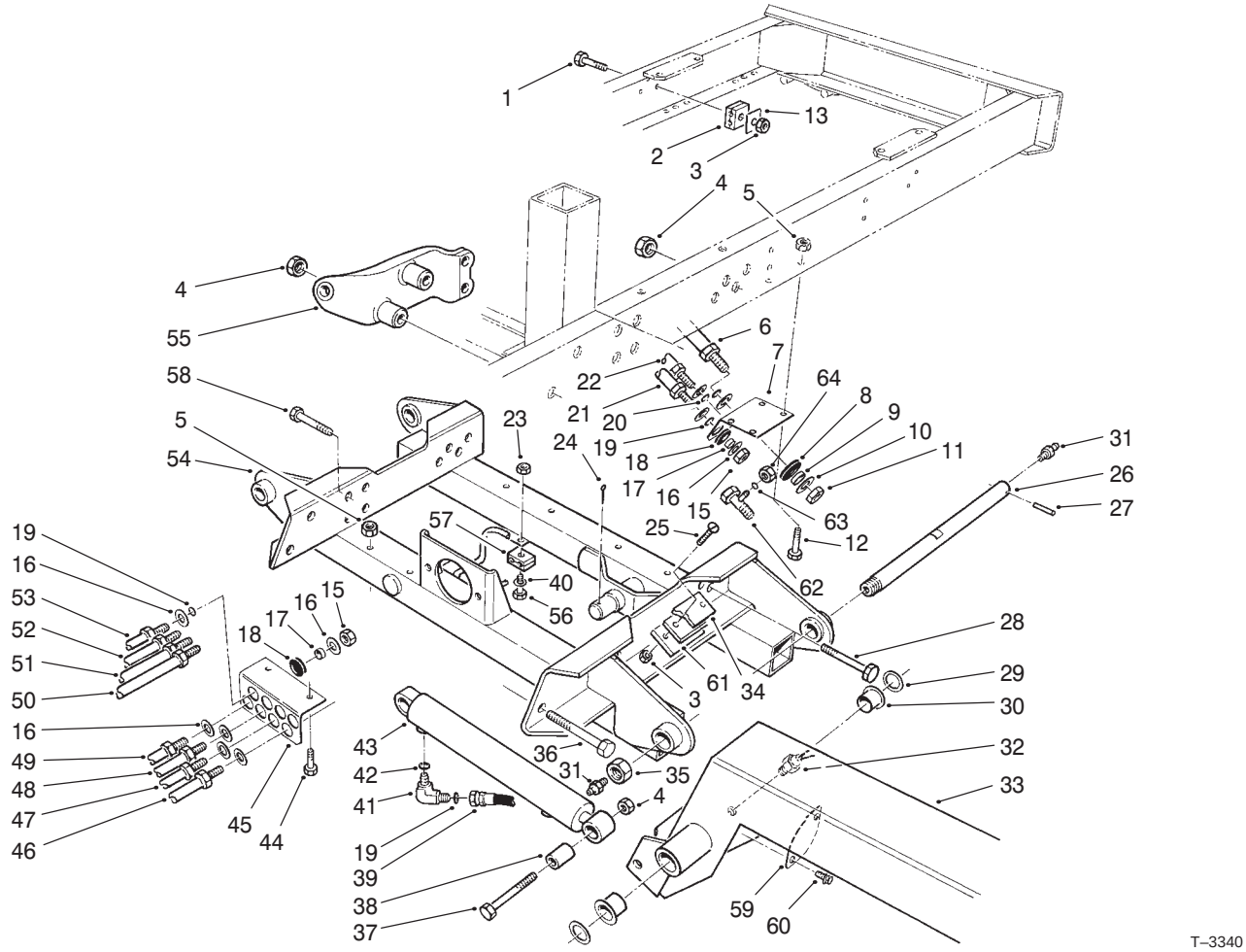

T–0365–4

# Center Deck Model No. 30592 Right Wing Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 44 | 3296–29 | 2 | Nut–Lock |
| 45 | 3256–23 | 2 | Washer–Flat |
| 46 | 98–3038 | 1 | Bushing–Idler |
| 47 | 32149–1 | 1 | Nut–Keps |
| 48 | 322–6 | 1 | Screw–HH |
| * | 99–2318 | 1 | V–Belt |
| * | 42–6200 | A/R | Shim–Cushion |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated

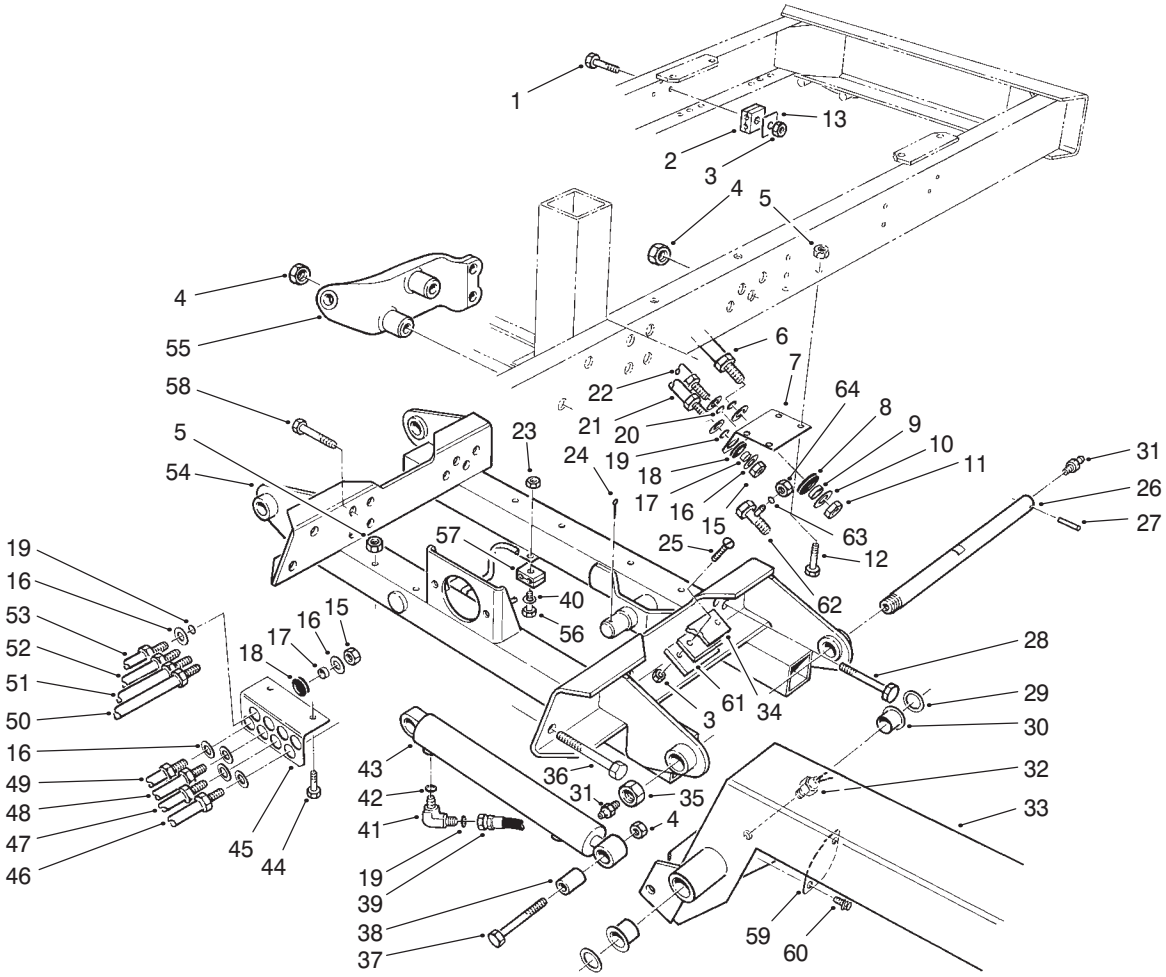



# Wing Deck Lift Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 322–11 | 1 | Screw–HH |
| 2 | 56–7974 | 2 | Clamp Half–Hydraulic Line |
| 3 | 32152–1 | 5 | Nut–Lock |
| 4 | 32153–6 | 22 | Nut–Lock |
| 5 | 32152–2 | 6 | Nut–Lock |
| 6 | 69–6170 | 1 | Tube–Hydraulic, LH (Incl. Ref. #20) |
| * | 69–6140 | 1 | Tube–Hydraulic, RH (Incl. Ref. # 20) |
| 7 | 69–9450–03 | 1 | Bracket–Wing Hose, LH |
| * | 69–9460–03 | 1 | Bracket–Wing Hose, RH |
| 8 | 240–3 | 4 | Grommet |
| 9 | 69–9000 | 4 | Spacer |
| 10 | 69–9010 | 8 | Washer |
| 11 | 340–74 | 4 | Nut–Bulkhead |
| 12 | 323–6 | 4 | Screw–HH |
| 13 | 69–9761 | 1 | Plate–Cover |
| 15 | 340–70 | 10 | Nut–Bulkhead |
| 16 | 69–8940 | 20 | Washer |
| 17 | 69–8970 | 10 | Spacer |
| 18 | 240–4 | 10 | Grommet |
| 19 | 237–22 | 14 | O–Ring |
| 20 | 237–65 | 4 | O–Ring |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 69–5980 | 1 | Tube–Hydraulic, LH (Incl. Ref. #19) |
| * | 69–5970 | 1 | Tube–Hydraulic, RH (Incl. Ref #19) |
| 22 | 69–6180 | 1 | Tube–Hydraulic, LH (Incl. Ref. #20) |
| * | 69–6150 | 1 | Tube–Hydraulic, RH (Incl. Ref. #20) |
| 23 | 32152–4 | 3 | Nut Lock |
| 24 | 3272–33 | 2 | Pin–Cotter |
| 25 | 32108–103 | 4 | Screw–Machine, FH |
| 26 | 99–5917 | 2 | Shaft–Pivot, Lift Arm |
| 27 | 32121–110 | 2 | Pin–Roll |
| 28 | 328–26 | 12 | Screw–HH |
| 29 | 256–304 | 4 | Washer–Thrust |
| 30 | 69–6470 | 4 | Bushing–Flange |
| 31 | 302–2 | 4 | Fitting –Grease |
| 32 | 72–4310 | 2 | Switch–Lift |
| 33 | 93–9926–01 | 1 | LH Lift Arm ASM (Incl. Ref. #30–31) |
| * | 93–9925–01 | 1 | RH Lift Arm ASM (Incl. Ref. #30–31) |
| 34 | 69–9300 | 2 | Cushion–Rubber |
| 35 | 3296–68 | 2 | Nut Lock |
| 36 | 328–8 | 4 | Screw–HH |
| 37 | 328–8 | 2 | Screw–HH |

* Not Illustrated



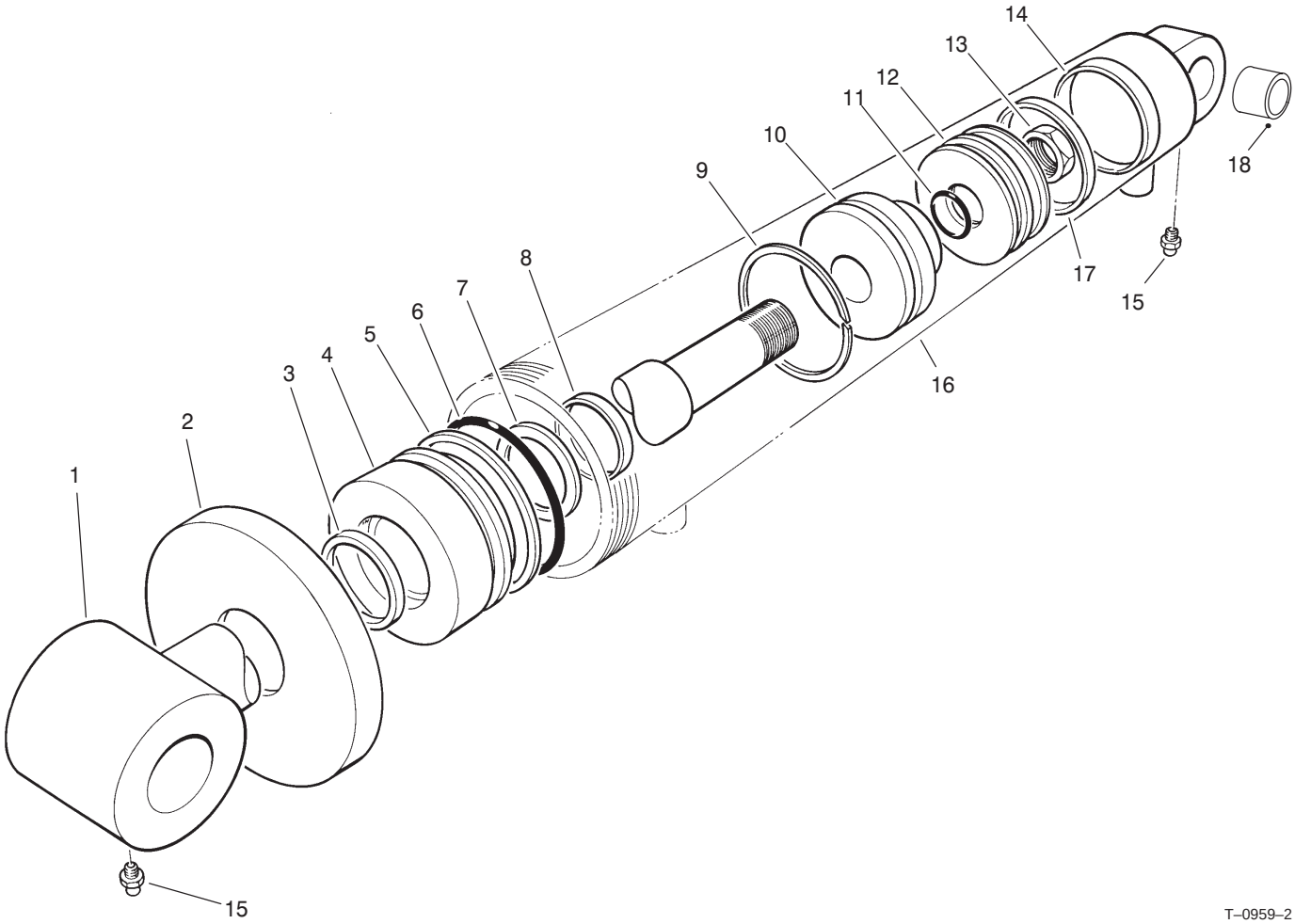

T–3340

# Wing Deck Lift Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 38 | 69–9190 | 2 | Bushing–Cylinder |
| 39 | 69–5490 | 4 | Hose–Cylinder |
| 40 | 3256–56 | 3 | Washer–Flat |
| 41 | 340–77 | 4 | Fitting–Elbow, Hydraulic (Incl. Ref. #19 & 42) |
| 42 | 237–42 | 4 | O–Ring |
| 43 | 74–2170 | 2 | Cylinder–Lift |
| 44 | 323–15 | 2 | Screw–HH |
| 45 | 74–2680–03 | 1 | Bracket–Bulkhead |
| 46 | 69–6030 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 47 | 69–6060 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 48 | 69–6070 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 49 | 69–6000 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 50 | 69–6040 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 51 | 69–6050 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 52 | 69–6080 | 1 | Tube–Hydraulic (Incl. Ref. #19) |
| 53 | 69–5990 | 1 | Tube–Hydraulic (Incl. Ref. #19) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 54 | 69–4400–01 | 1 | Carrier–Deck, Wing |
| 55 | 69–1580–03 | 1 | Anchor–Latch, LH |
| * | 69–1600–03 | 1 | Anchor–Latch, RH |
| 56 | 321–9 | 3 | Screw–HH |
| 57 | 56–7973 | 6 | Clamp Half–Hydraulic Line |
| 58 | 328–24 | 4 | Screw–HH |
| 59 | 39–7650–01 | 2 | Plate–Cover |
| 60 | 32144–11 | 4 | Screw–Forming, Thread |
| 61 | 93–9922 | 2 | Spacer |
| * | 3290–378 | 3 | Tie–Cable |
| 62 | 340–115 | 2 | Fitting–Tee (Incl. Ref. # 63) |
| 63 | 237–22 | 2 | O–ring |
| 64 | 340–117 | 2 | Fitting–Cap |

* Not Illustrated



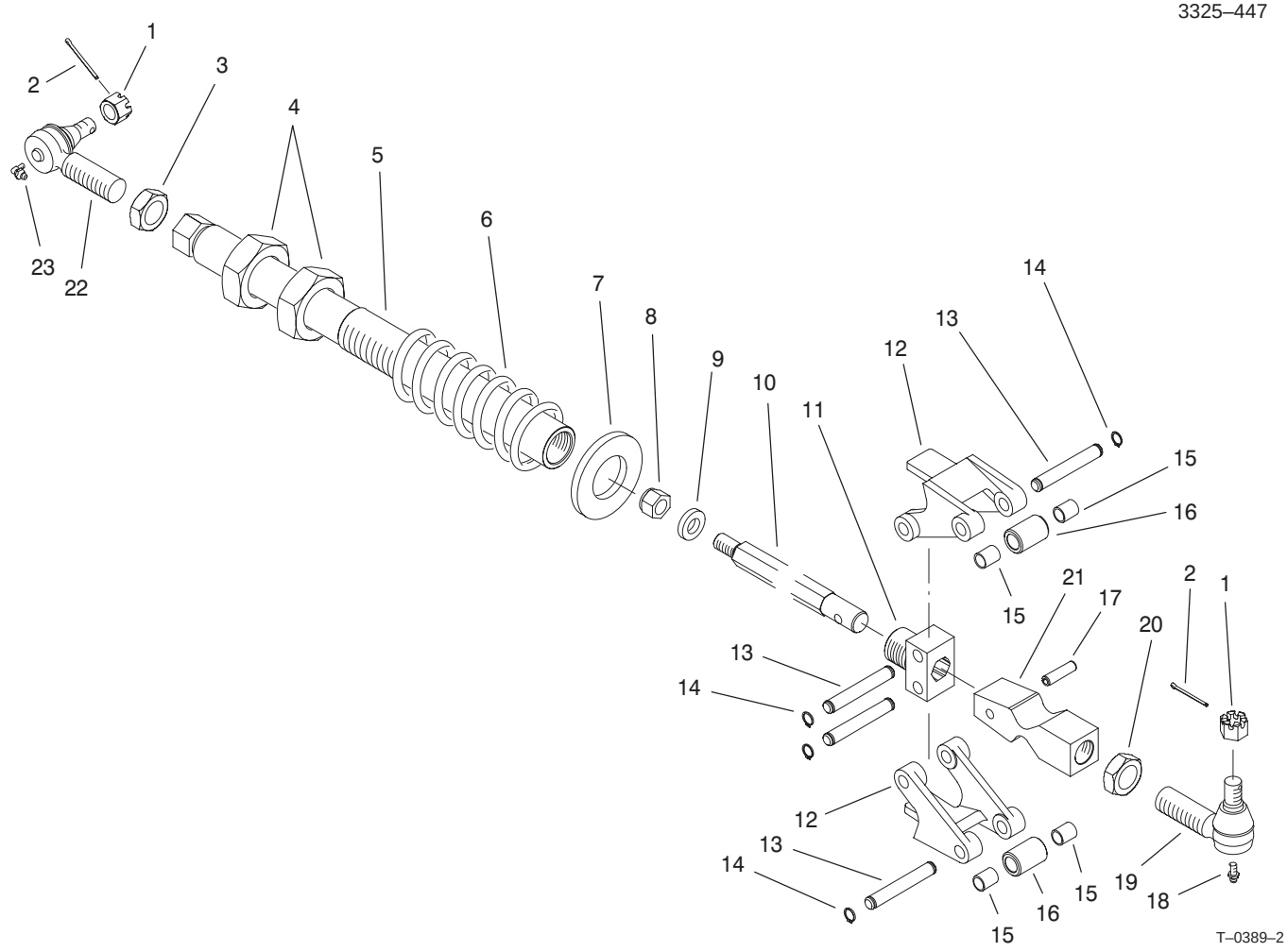

T–0959–2

# Hydraulic Cylinder Assembly No. 74–2170

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 74–2230 | 1 | Shaft/Clevis |
| 2 | 74–2220 | 1 | Collar |
| †3 | | 1 | Seal–Dust |
| 4 | 74–2200 | 1 | Head |
| †5 | | 1 | Ring–Back–Up |
| †6 | | 1 | O–Ring |
| †7 | | 1 | Seal–Uni–Ring |
| †8 | | 1 | Ring–Wear |
| 9 | 74–2180 | 1 | Ring–Steel |
| 10 | 74–2190 | 1 | Cushion |
| †11 | | 1 | Seal–Uni–Ring |
| 12 | 74–2210 | 1 | Piston |
| 13 | 60–9760 | 1 | Nut–Lock |
| †14 | | 1 | Ring–Wear |
| 15 | 302–5 | 2 | Fitting–Grease |
| †16 | | 1 | Barrel/Clevis |
| †17 | | 1 | Seal–Uni–Ring |
| 18 | 95–1597 | 1 | Bushing |
| * | 86–7350 | 1 | Kit–Repair, Seal (Incl. Ref. #3, 5–8, 11, 14 & 17) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

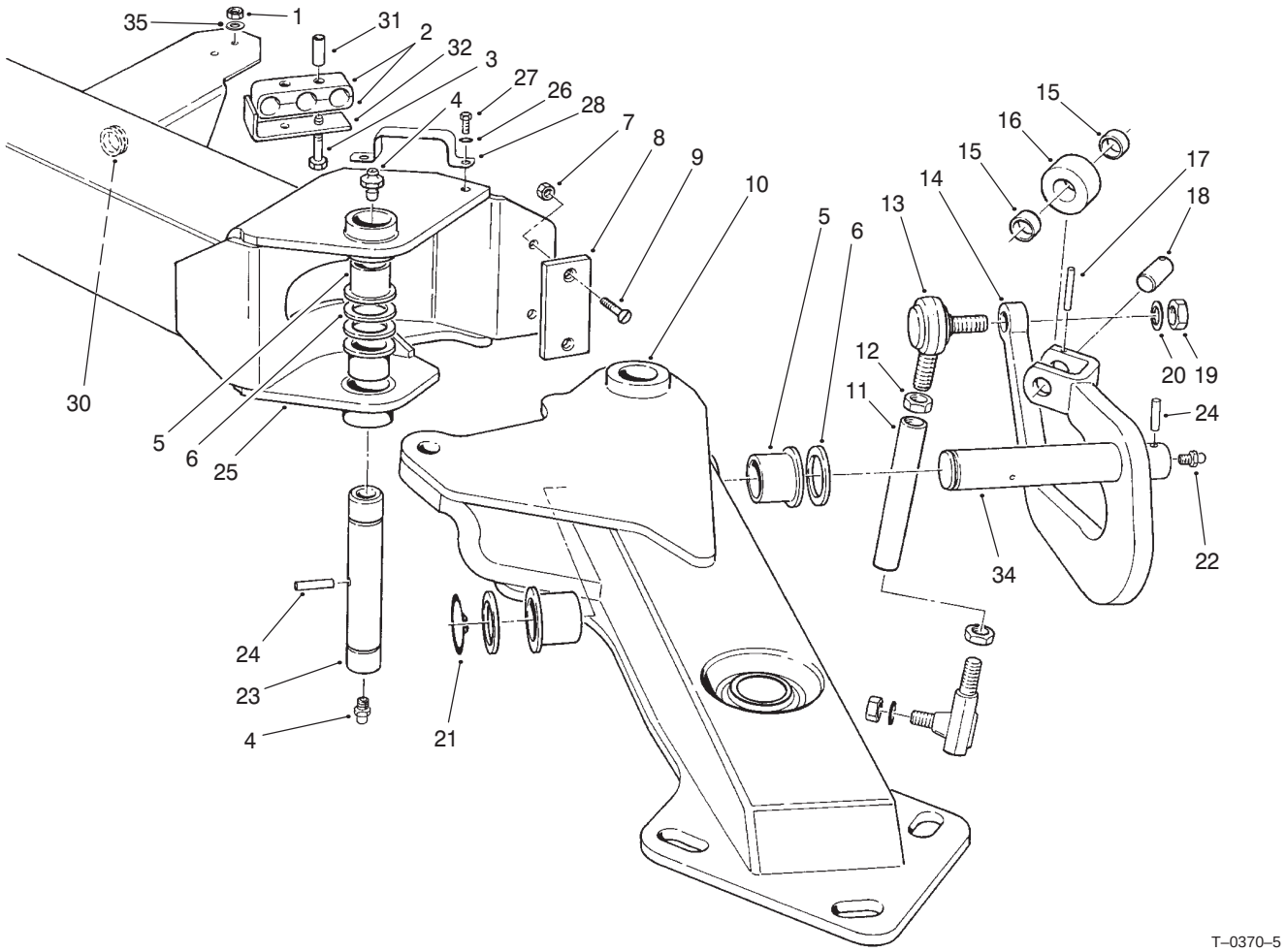
* Not Illustrated
† Not Serviceable Separartely




# Wing Deck Latch Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 32136–2 | 4 | Nut–Castle |
| 2 | 3272–12 | 4 | Pin–Cotter |
| 3 | 21–3001–03 | 2 | Nut–Jam, LH Thread |
| 4 | 3220–22 | 4 | Nut–Jam |
| 5 | 69–7210–03 | 2 | Tube–Latch |
| 6 | 69–8480–03 | 2 | Spring–Compression |
| 7 | 69–9100 | 2 | Washer–Latch |
| 8 | 3296–41 | 2 | Nut–Lock |
| 9 | 71–2550 | 2 | Washer–Shaft, Latch |
| 10 | 69–9680 | 2 | Shaft–Latch |
| 11 | 92–4804 | 2 | Block–Pivot, Latch |
| 12 | 69–1630–03 | 4 | Arm–Pivot, Latch |
| 13 | 92–4806 | 8 | Pin–Latch |
| 14 | 32120–47 | 16 | Ring–Retaining |
| 15 | 256–172 | 8 | Bearing–Sleeve |
| 16 | 92–4094 | 4 | Roller–Latch |
| 17 | 32121–49 | 2 | Pin–Roll |
| 18 | 302–5 | 2 | Fitting–Grease |
| 19 | 86–8100–01 | 2 | Joint–Ball (Incl. Ref. #1 & 18) |
| 20 | 21–3000–01 | 2 | Nut–Jam |
| 21 | 92–4805 | 2 | Cam–Trip, Spring |
| 22 | 86–8101–03 | 2 | Joint–Ball (Incl. Ref. #1 & 23) |
| 23 | 302–40 | 2 | Fitting–Grease |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



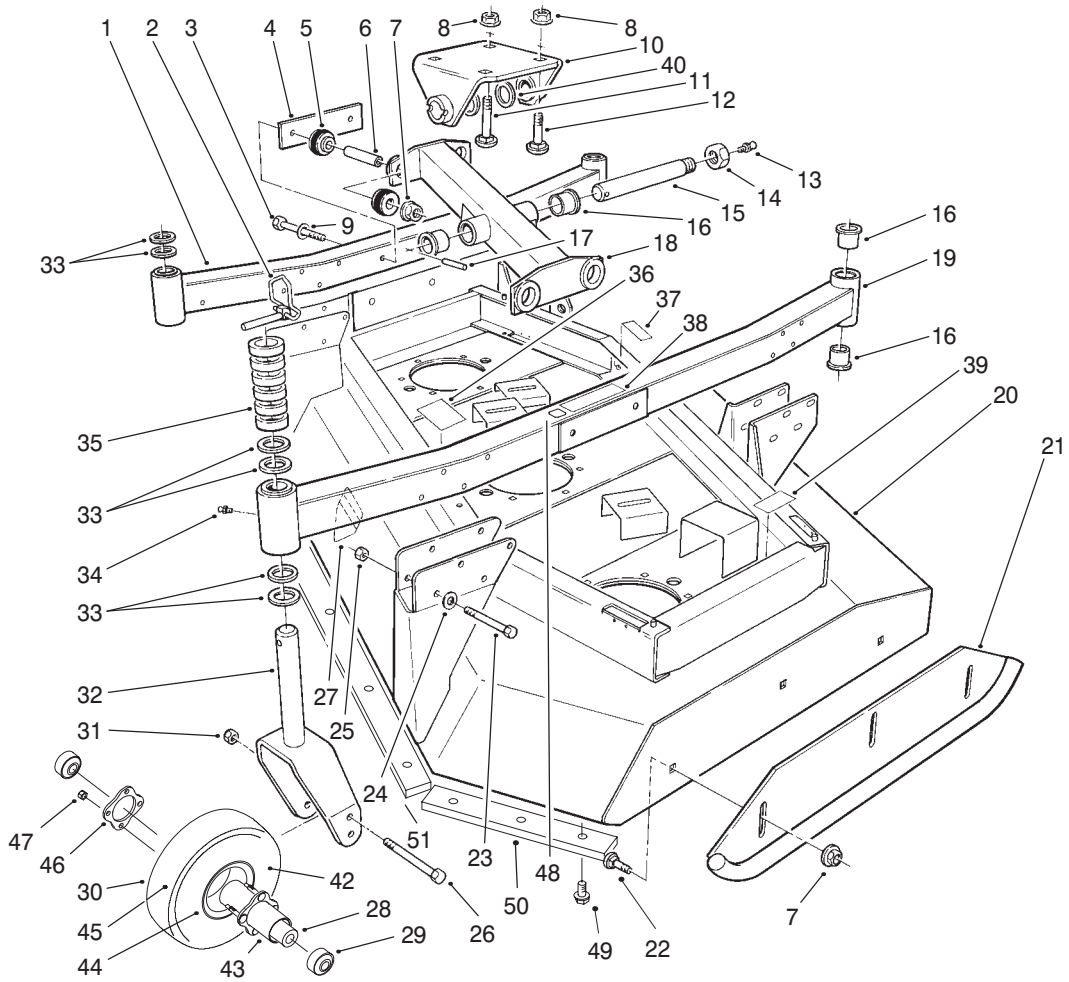

T–0370–5

# Wing Deck Lift Arm Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 32128–32 | 4 | Nut–HHF |
| 2 | 74–2710 | 4 | Clamp Half–Hydraulic Line |
| 3 | 321–15 | 4 | Screw–HH |
| 4 | 302–2 | 4 | Fitting–Grease |
| 5 | 69–6470 | 8 | Bushing–Flange |
| 6 | 256–304 | 8 | Washer–Thrust |
| 7 | 32152–1 | 4 | Nut–Lock |
| 8 | 69–9300 | 2 | Cushion–Rubber |
| 9 | 32108–103 | 4 | Screw–Machine, FH |
| 10 | 93–9942–01 | 1 | Arm–Outer Lift, LH (Incl. Ref. #5) |
| * | 93–9941–01 | 1 | Arm–Outer Lift, RH (Incl. Ref. #5) |
| 11 | 71–2600 | 2 | Tube–Anti–Sway |
| 12 | 3220–7 | 4 | Nut–Jam |
| 13 | 2411–40 | 4 | Joint–Ball |
| 14 | 98–3311–01 | 1 | Arm–Anti–Sway, LH |
| * | 98–3312–01 | 1 | Arm–Anti–Sway, RH |
| 15 | 256–76 | 4 | Bushing–Sleeve |
| 16 | 69–9240 | 2 | Roller–Cam |
| 17 | 32121–34 | 2 | Pin–Roll |
| 18 | 69–9250 | 2 | Shaft–Roller |
| 19 | 3219–7 | 4 | Nut–Lock |
| 20 | 3253–9 | 4 | Washer–Lock |
| 21 | 32151–10 | 2 | Ring–Retaining |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 302–5 | 2 | Fitting–Grease |
| 23 | 71–2620 | 2 | Shaft–Lift Arm, Elbow |
| 24 | 32121–110 | 4 | Pin–Roll |
| 25 | 93–9926–01 | 1 | LH Lift Arm ASM (Incl. Ref. #5) |
| * | 93–9925–01 | 1 | RH Lift Arm ASM (Incl. Ref. #5) |
| 26 | 3254–2 | 4 | Washer |
| 27 | 322–3 | 4 | Screw–HH |
| 28 | 93–9928 | 2 | Clamp–Hose |
| 30 | 93–9912 | 2 | Grommet |
| 31 | 74–2730 | 4 | Tube–Clamp |
| 32 | 94–6772–01 | 2 | Retainer–Clamp |
| 34 | 82–7900 | 2 | Shaft–Arm |
| 35 | 3256–22 | 4 | Washer–Flat |

* Not Illustrated



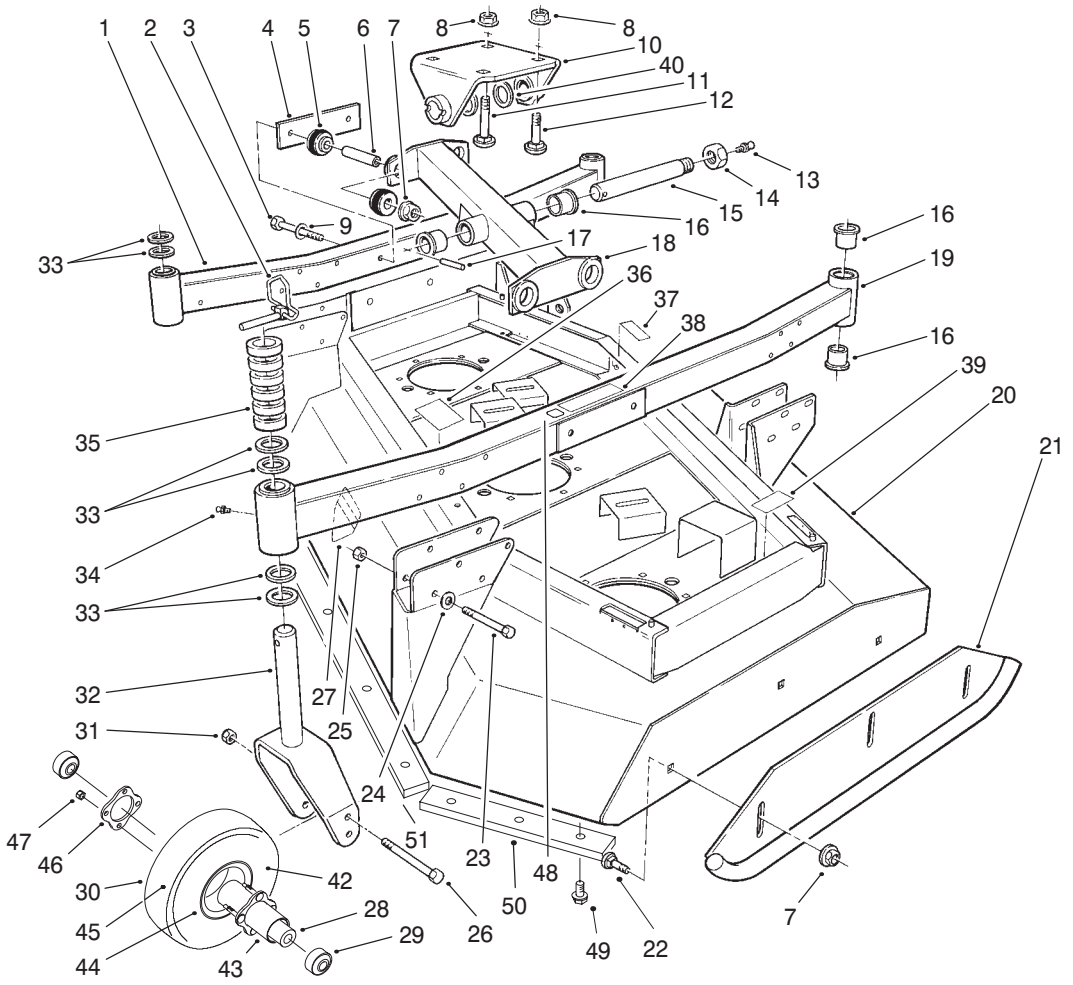

T–0335–5

# Wing Deck Model No. 30591 LH and 30593 RH

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 98–7342 | 2 | Arm–Castor, Inside (Incl. Ref. #16 & 34) |
| 2 | 3290–384 | 8 | Pin–Lynch |
| 3 | 325–20 | 8 | Screw–HH |
| 4 | 69–8790–01 | 2 | Plate–Reinforcing |
| 5 | 69–9700 | 8 | Mount–Rubber (Incl. Ref. #6) |
| 6 | | 8 | Spacer |
| 7 | 32128–23 | 20 | Nut–HHF |
| 8 | 32128–45 | 8 | Nut–HHF |
| 9 | 30–8770 | 8 | Washer–Flat |
| 10 | 69–7170–01 | 2 | Clevis–Deck |
| 11 | 3233–29 | 2 | Bolt–CARR |
| 12 | 3233–28 | 6 | Bolt–CARR |
| 13 | 302–2 | 2 | Fitting–Grease |
| 14 | 3296–68 | 2 | Nut–Lock |
| 15 | 71–2610 | 2 | Shaft–Pivot, Deck |
| 16 | 69–6470 | 20 | Bushing–Flange |
| 17 | 32121–110 | 2 | Pin–Roll |
| 18 | 98–1461–01 | 1 | LH Lift Bar ASM (Incl. Ref. #16) |
| * | 98–1462–01 | 1 | RH Lift Bar ASM (Incl. Ref. #16) |
| 19 | 98–7343 | 2 | Arm–Castor, Outside (Incl. Ref. #16, 34 & 38) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 20 | 13–5009 | 1 | Deck–Wing, LH (Incl. Ref. #27, 36, 37 & 39) |
| * | 13–4999 | 1 | Deck–Wing, RH (Incl. Ref. #27, 36, 37 & 39) |
| 21 | 69–6730–01 | 4 | Skid |
| 22 | 3233–9 | 12 | Bolt–CARR |
| 23 | 323–15 | 32 | Screw–HH |
| 24 | 5–0838 | 32 | Washer–Flat |
| 25 | 32128–43 | 32 | Nut–HHF |
| 26 | 327–17 | 8 | Screw HH |
| 27 | 43–8480 | 2 | Decal–Danger |
| 27 | 93–7815 | 2 | Decal–Danger (Europe) |
| 28 | 93–4241 | 8 | Spacer |
| 29 | 93–4237 | 16 | Bearing |
| 30 | 93–4240 | 8 | 10” Wheel–Pneumatic (Incl. Ref. #28–29 & 42–47) |
| 31 | 3296–53 | 8 | Nut–Lock |
| 32 | 98–7300–01 | 8 | Fork–Castor |
| 33 | 69–6860 | 28 | Washer–Thrust |
| 34 | 302–5 | 8 | Fitting–Grease |
| 35 | 69–1510 | 48 | Spacer–Castor |
| 36 | 95–0819 | 1 | Decal–Belt Routing, LH |
| * | 95–0820 | 1 | Decal–Belt Routing,RH |
| 37 | 66–1340 | 2 | Decal–Danger |

* Not Illustrated

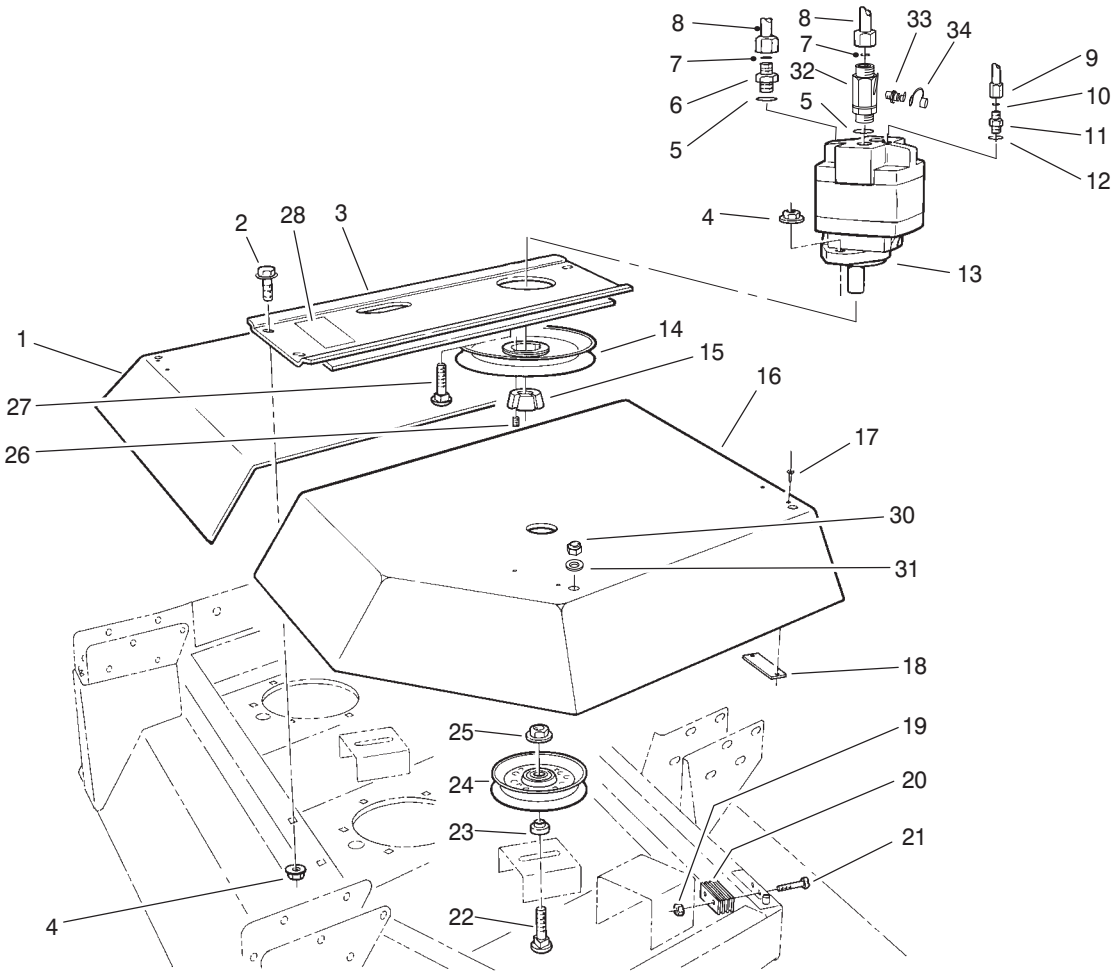



T–0335–5

# Wing Deck Model No. 30591 LH and 30593 RH (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 37 | 93–7824 | 2 | Decal–Danger (Europe) |
| 38 | 95–0818 | 2 | Decal–Torque |
| 39 | 67–5360 | 4 | Decal–Danger |
| 39 | 93–7273 | 4 | Decal–Danger (Europe) |
| 40 | 256–304 | 4 | Washer–Thrust |
| 42 | 93–4243 | 8 | Tire–10” |
| 43 | 93–5980 | 8 | Hub |
| 44 | 95–2741 | 16 | Rim–Wheel |
| 45 | 93–4244 | 8 | Tube w/Valve |
| 46 | 93–4242 | 8 | Plate |
| 47 | 32128–16 | 32 | Nut–HHF |
| 48 | 93–7252 | 2 | Decal–CE |
| 49 | 32104–31 | 20 | Screw–HH (Europe) |
| 50 | 94–9822 | 2 | Bar–Guard, Wing Inner (Europe) |
| 51 | 94–9823 | 2 | Bar–Guard, Wing RH & LH (Europe) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|



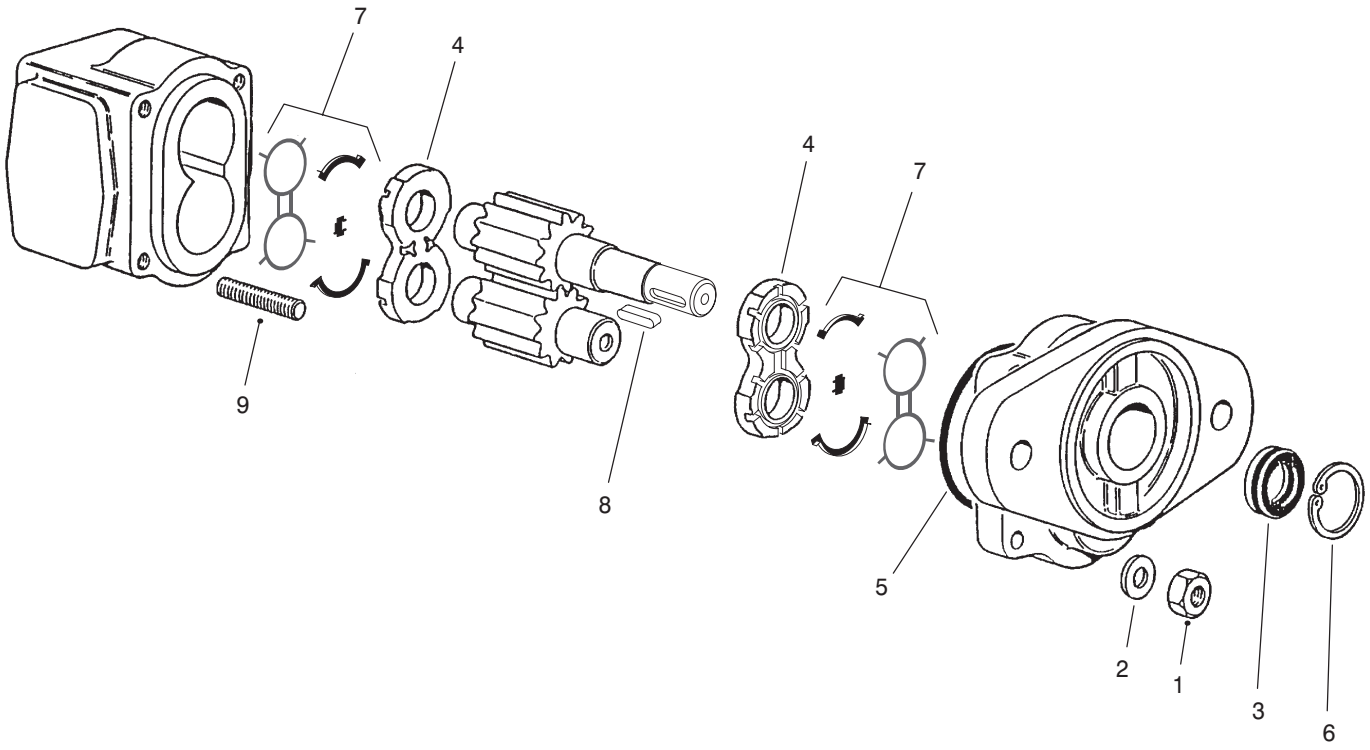

T–0346–4

# Wing Deck Model No. 30591 LH and 30593 RH Drive Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 69–6800 | 1 | Cover–Inner, LH |
| * | 69–6820 | 1 | Cover–Inner, RH |
| 2 | 3234–12 | 8 | Screw–HWH |
| 3 | 69–6360–01 | 1 | Plate–Motor Mounting, LH |
| * | 69–6340–01 | 1 | Plate–Motor Mounting, RH |
| 4 | 32128–21 | 12 | Nut–HHF |
| 5 | 237–81 | 4 | O–Ring |
| 6 | 340–8 | 2 | Fitting–Hydraulic, Straight (Incl. Ref. #5 & 7) |
| 7 | 237–65 | 4 | O–Ring |
| 8 | 93–9918 | 4 | Hydraulic Hose ASM |
| 9 | 93–9917 | 2 | Hydraulic Hose ASM |
| 10 | 237–22 | 2 | O–Ring |
| 11 | 340–2 | 2 | Fitting–Hydraulic, Straight (Incl. Ref. # 10 & 12) |
| 12 | 237–42 | 2 | O–Ring |
| 13 | 94–4907 | 2 | Motor–Hydraulic |
| 14 | 63–0660–03 | 2 | Pulley–Wing Deck, Drive |
| 15 | 23–1640 | 2 | Bushing–Lock, Taper (Incl. Ref. #26) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 16 | 69–6810 | 1 | Cover–Outer, LH |
| * | 69–6830 | 1 | Cover–Outer, RH |
| 17 | 3269–25 | 16 | Rivet–Pop |
| 18 | 69–6870 | 8 | Plate–Magnet |
| 19 | 3296–2 | 16 | Nut–Lock |
| 20 | 69–6260 | 8 | Magnet–Cover |
| 21 | 32105–1 | 16 | Screw–PH |
| 22 | 3233–30 | 6 | Bolt–CARR |
| 23 | 69–6960 | 6 | Spacer–Idler |
| 24 | 63–1540–03 | 6 | Pulley–Idler |
| 25 | 32128–23 | 6 | Nut–HHF |
| 26 | | 4 | Screw–Set |
| 27 | 3231–28 | 4 | Bolt–CARR |
| 28 | 95–0845 | 2 | Decal–HOC |
| 30 | 3296–29 | 4 | Nut–Lock |
| 31 | 3256–23 | 4 | Washer–Flat |
| 32 | 99–4442 | 2 | Fitting |
| 33 | 99–4443 | 2 | Fitting |
| 34 | 354–79 | 2 | Cap–Dust |
| * | 99–2318 | 6 | V–Belt |
| * | 3290–378 | 24 | Tie–Cable |

* Not Illustrated



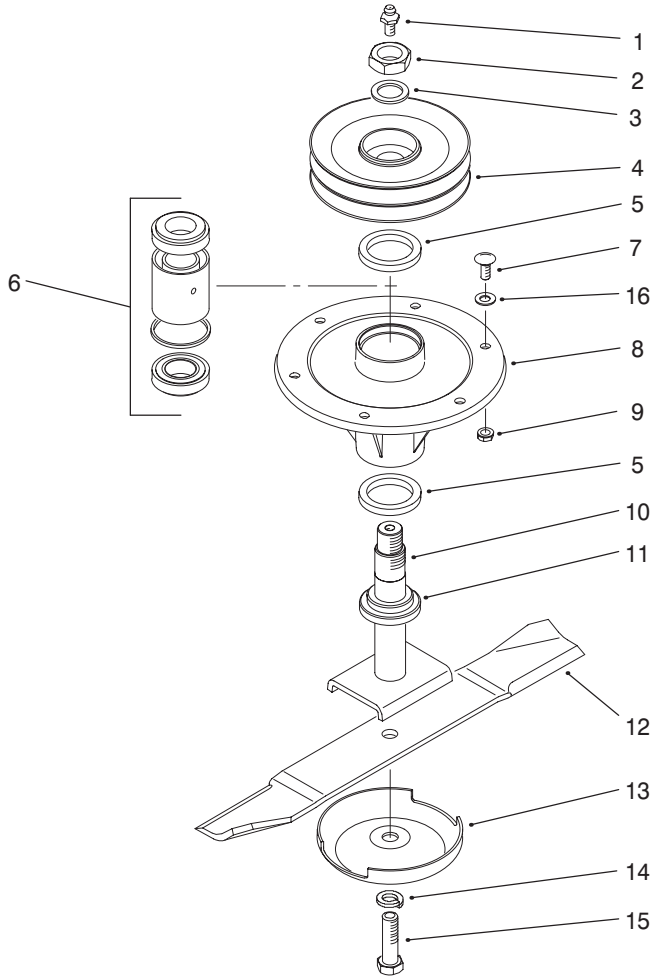

T–2313–2

# Hydraulic Motor Assembly No. 94–4907

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 33016–00 | 4 | Nut–Hex |
| 2 | 33096–00 | 4 | Washer–Flat |
| 3 | 94–5391 | 1 | Seal–Shaft |
| 4 | 94–5390 | 2 | Plate–Load |
| 5 | | 1 | O–Ring |
| 6 | | 1 | Ring–Retaining |
| 7 | | 2 | Seal–Load |
| 8 | 93–7637 | 1 | Key–Square |
| 9 | 99–5903 | 4 | Stud |
| * | 94–5392 | 1 | Kit–Seal (Incl. Ref. #3 & 5–8) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated



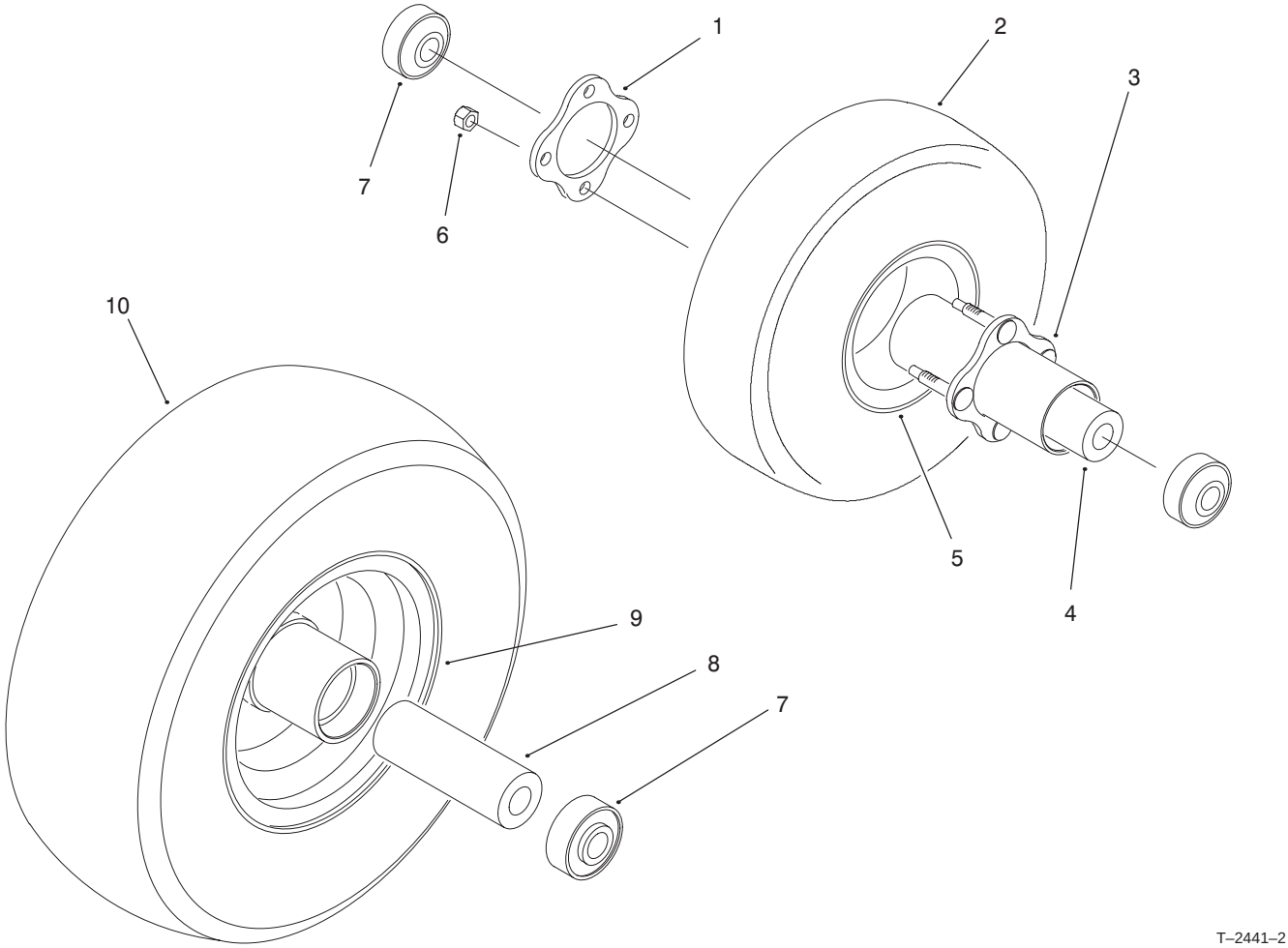

T–0337–2

# Spindle Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 302–2 | 1 | Fitting–Grease, Str. |
| * | 302–10 | 1 | Fitting–Grease, 45° (Used only on wing deck center & inside spindles) |
| 2 | 3296–49 | 1 | Nut–Lock |
| 3 | 3–8514 | 1 | Washer |
| 4 | 69–8390–01 | 1 | Pulley–Spindle |
| 5 | 253–154 | 2 | Seal–Wave |
| 6 | 71–2530 | 1 | Bearing ASM |
| 7 | 3231–22 | 6 | Bolt–CARR |
| 8 | 69–1530 | 1 | Housing–Spindle |
| 9 | 32128–21 | 6 | Nut–HHF |
| 10 | 69–6760 | 1 | Shaft–Spindle |
| 11 | 92–9800 | 1 | Spacer–Spindle |
| 12 | 69–6920–01 | 1 | Blade–20” |
| 13 | 67–7561 | 1 | Cup–Anti–Scalp |
| 14 | 3253–8 | 1 | Washer–Lock |
| 15 | 51–4060 | 1 | Bolt–Blade |
| 16 | 3256–24 | A/R | Washer–Flat |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

* Not Illustrated




T–2441–2

# 10” and 13” Foam Filled Tire Assemblies

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| †1 | | 1 | Plate |
| 2 | 93–5973 | 1 | 10” Foam Filled Tire ASM (Incl. Ref. #1, 3–7) |
| †3 | | 1 | Hub |
| 4 | 93–4241 | 1 | Spacer–Bearing, Inner |
| †5 | | 2 | Rim |
| †6 | | 4 | Nut–HHF |
| 7 | 93–4237 | 4 | Bearing |
| 8 | 93–5630 | 1 | Spacer–Bearing, Inner |
| †9 | | 1 | Rim |
| 10 | 98–7329 | 1 | 12” Foam Filled Tire ASM (Incl. Ref. #7–9) |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|

† Not Serviceable Separately

# Maintenance Record

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