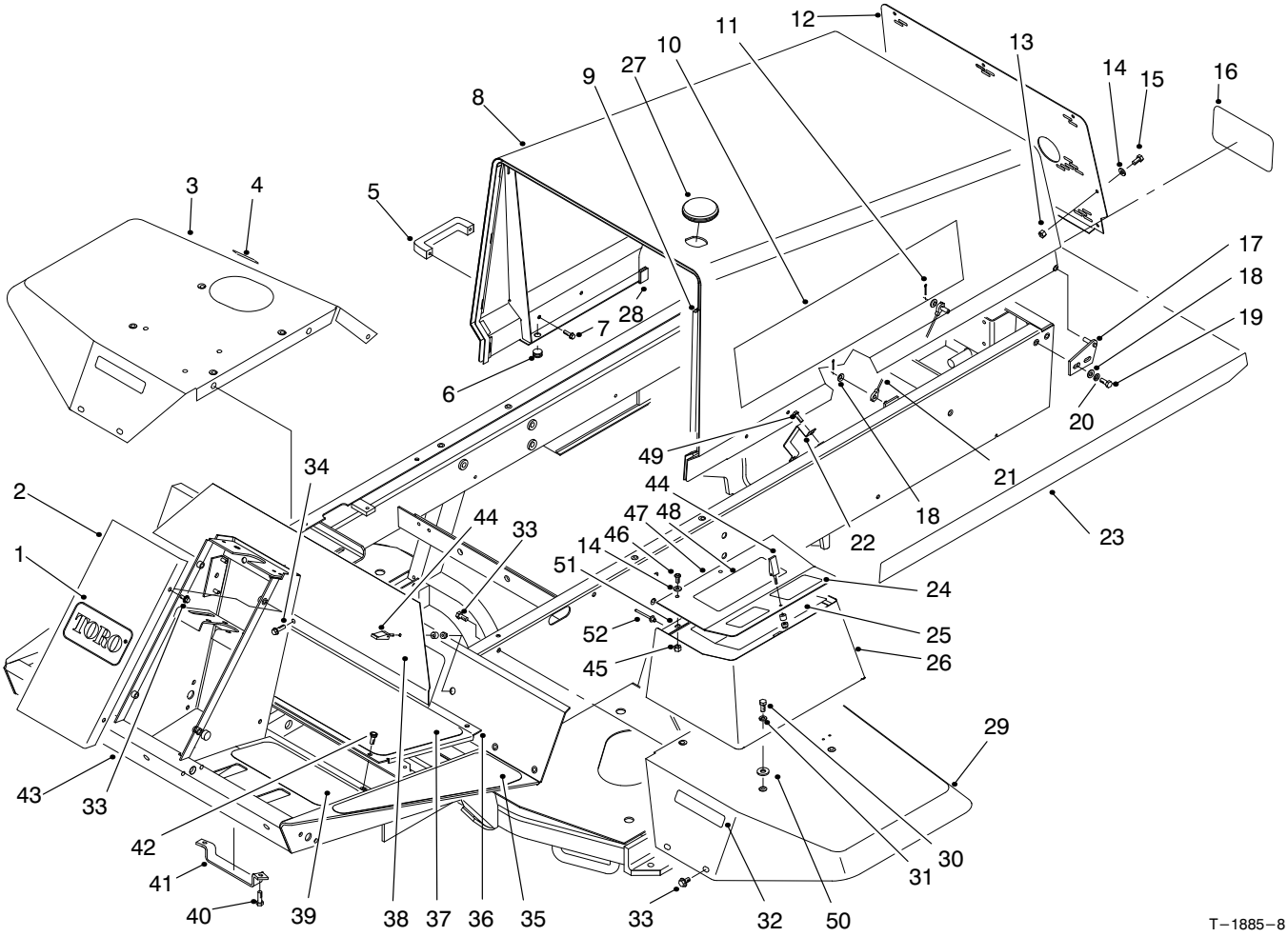
FORM NO. 3322–530

TORO®

MODEL NO. 03543–90400 & UP

PARTS CATALOG

# REELMASTER® 5400D 2WD
## TRACTION UNIT



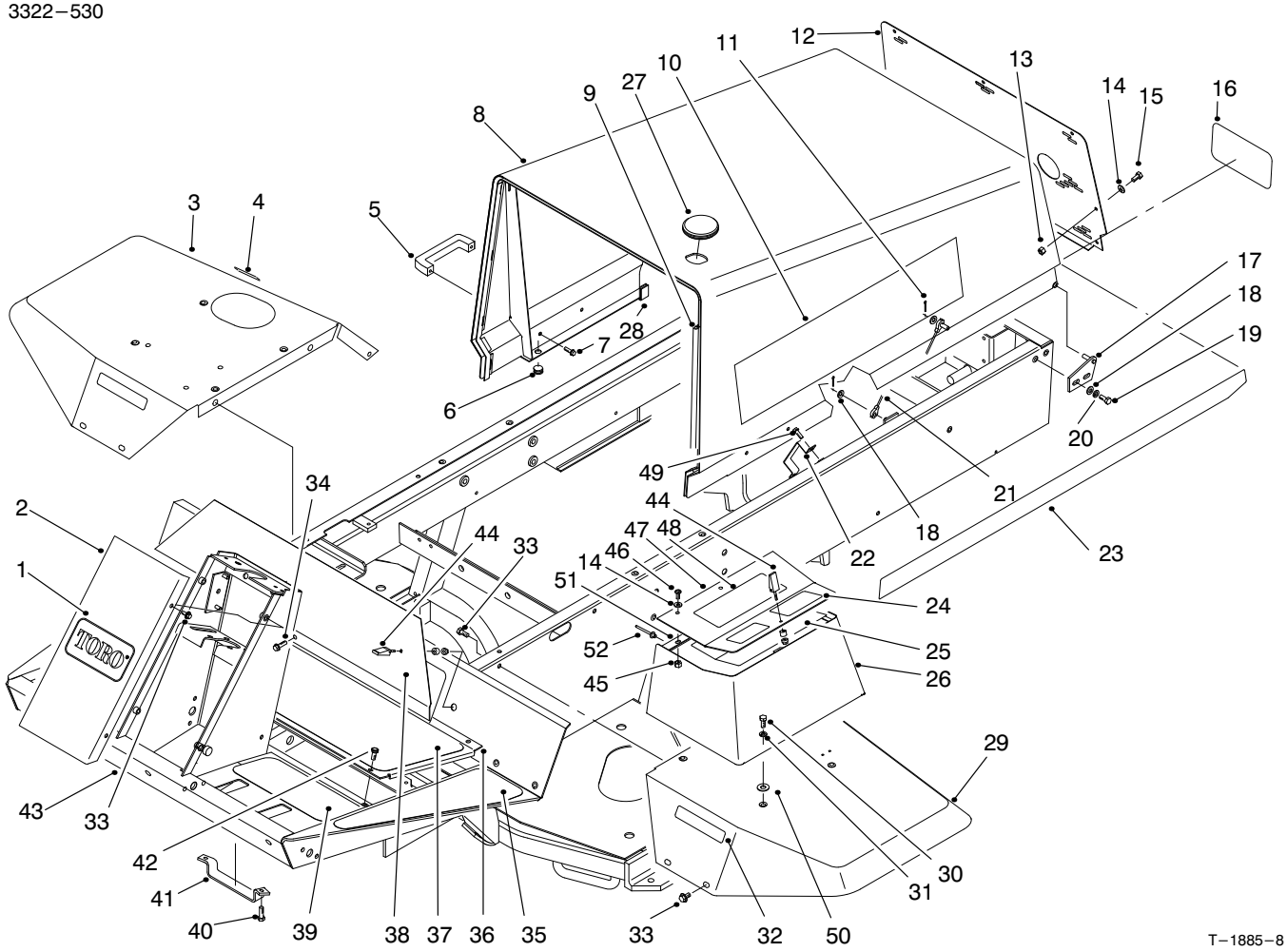

# FRAME & BODY ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 62–5550 | Decal–TORO | 1 |
| 2 | 75–1420 | Cover–Steering Tower | 1 |
| 3 | 93–7579 | Fender–RH | 1 |
| 4 | 93–6686 | Decal–Hyd. Oil | 1 |
| 5 | 65–5100 | Handle | 2 |
| 6 | 237–141 | Bumper | 2 |
| 7 | 46–8091 | Screw–HH | 4 |
| 8 | 98–9319 | Hood | 1 |
| 9 | 93–0081 | Strip–Seal | 1 |
| 10 | 98–4522 | Decal–Reelmaster® 5400D | 2 |
| 11 | 3272–4 | Pin–Cotter | 2 |
| 12 | 98–4573 | Screen–Hood | 1 |
| 13 | 3296–42 | Nut–Lock | 7 |
| 14 | 3256–1 | Washer–Flat | 10 |
| 15 | 321–39 | Screw–HH | 7 |
| 16 | 62–7400 | Decal–TORO | 1 |
| 17 | 63–6900 | Hinge–Hood LH | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 17 | 63–6890 | Hinge–Hood RH | 1 |
| 18 | 3256–23 | Washer–Flat | 6 |
| 19 | 322–5 | Screw–HH | 4 |
| 20 | 3253–4 | Washer–Lock | 4 |
| 21 | 75–0570 | Cable–Hood | 1 |
| 22 | 98–4572 | Bracket–Hose | 1 |
| 23 | 92–5751 | Decal–Hood Trim LH | 1 |
| * | 92–5752 | Decal–Hood Trim RH | 1 |
| 24 | 93–6698 | Decal–Warning | 1 |
| 25 | 98–9340 | Decal–Service | 1 |
| 25 | 95–0832 | Decal–Service, Blank (Europe) | 1 |
| 26 | 75–5810 | Tool Box | 1 |
| 27 | 98–9314 | Plug–Hood | 1 |
| 28 | 99–8975 | Strip–Seal | 1 |
| 29 | 75–3860 | Fender–LH | 1 |
| 30 | 322–3 | Screw–HH | 4 |

* Not Illustrated

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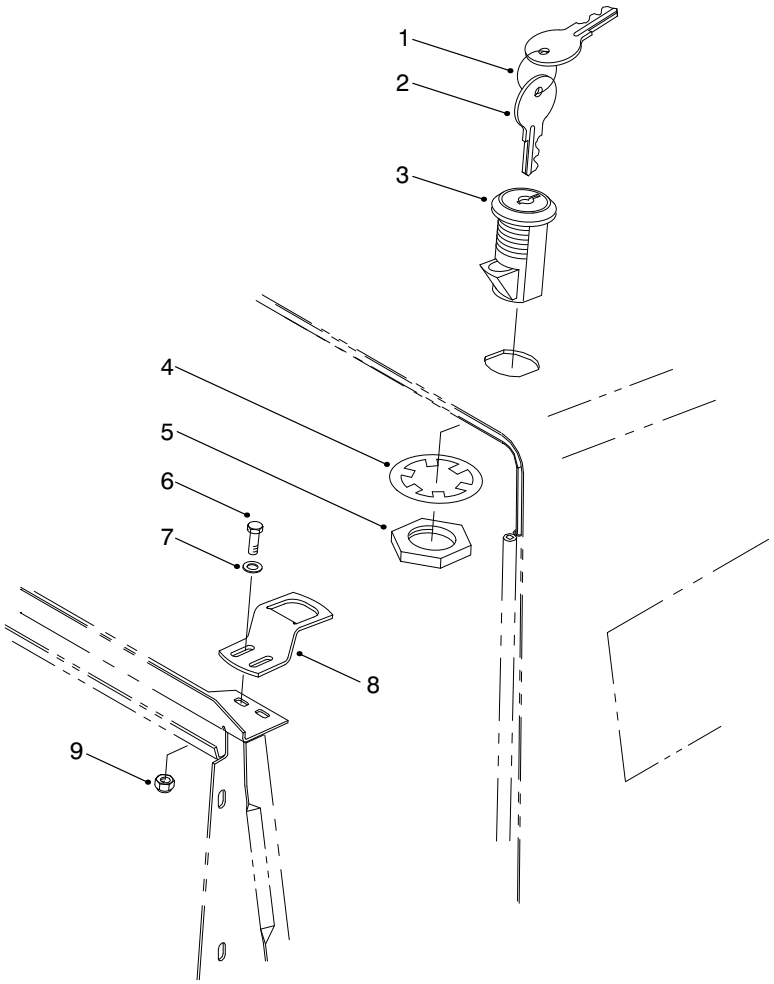



# FRAME & BODY ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 31 | 3256–3 | Washer–Flat | 4 |
| 32 | 93–6689 | Decal–No Riders | 2 |
| 33 | 3234–14 | Screw–HWH | 14 |
| 34 | 3234–5 | Screw–HHF | 1 |
| 35 | 75–0650 | Tread–Footrest LH | 1 |
| * | 75–0640 | Tread–Footrest RH | 1 |
| 36 | 75–1410 | Panel–Floor | 1 |
| 37 | 75–0630 | Tread–Foot Center | 1 |
| 38 | 75–1390 | Panel–Access | 1 |
| 39 | 75–0620 | Tread–Foot LH | 1 |
| * | 75–0610 | Tread–Foot RH | 1 |
| 40 | 322–4 | Screw–HH | 2 |
| 41 | 93–3626 | Bracket–Hose | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 42 | 75–6840 | Knob–Knurled | 3 |
| 42 | 3234–7 | Screw–HHF (Europe) | 1 |
| 43 | 98–4549 | Asm–Frame | 1 |
| 44 | 74–5950 | Asm–Swell Latch | 3 |
| 45 | 32128–33 | Nut–Flange Head | 3 |
| 46 | 3258–166 | Screw–PPH | 3 |
| 47 | 75–6260 | Cover–Tool Box | 1 |
| 48 | 93–8051 | Decal–Warning | 1 |
| 49 | 32144–14 | Screw–HWH | 2 |
| 50 | 66–2920 | Washer–Nylon | 4 |
| 51 | 75–5780 | Hinge–Cover | 1 |
| 52 | 93–8744 | Rivet | 3 |

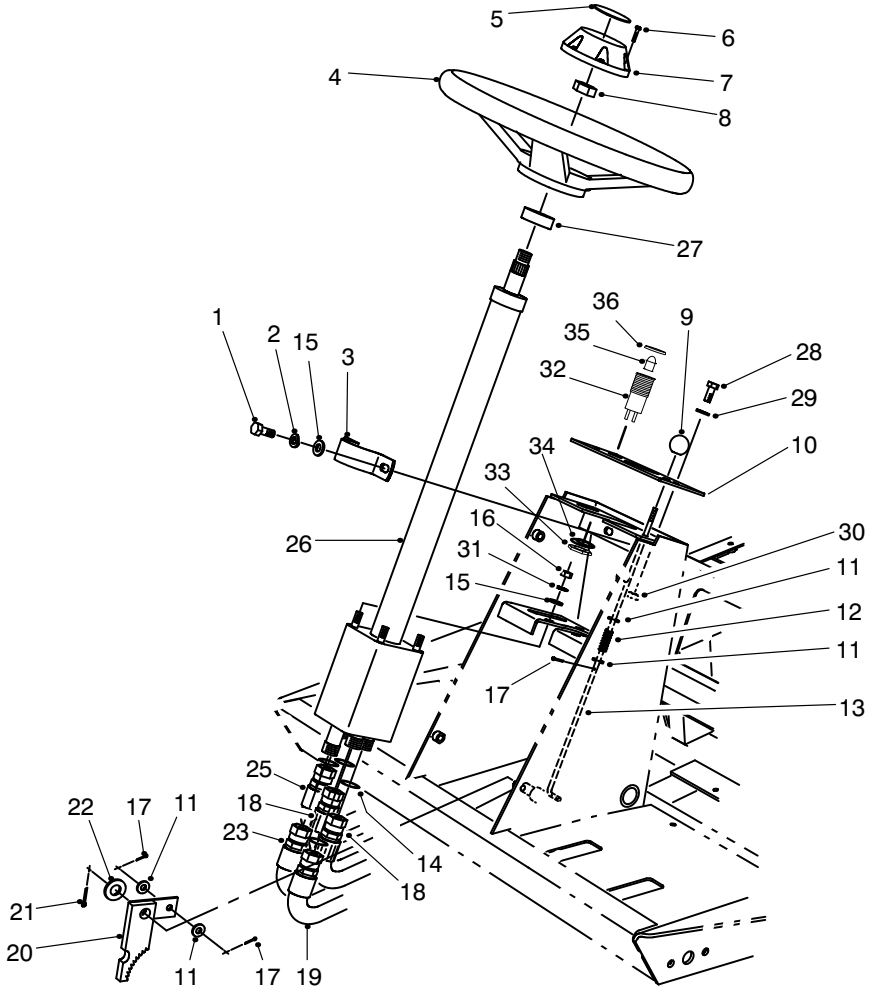
*Not Illustrated




T–3095

# HOOD SWITCH & LOCK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98–9321 | Ring–Key | 1 |
| 2 | 99–8350 | Key–Switch (Incl. Ref. #4 & 5) | 1 |
| 3 | 98–9315 | Switch–Lock, Hood | 1 |
| 4 | | Washer–Switch | 1 |
| 5 | | Nut–Switch | 1 |
| 6 | 321–4 | Screw–HH | 2 |
| 7 | 3256–1 | Washer–Flat | 2 |
| 8 | 98–9316 | Bracket–Latch, Hood | 1 |
| 9 | 3296–16 | Nut–Lock | 2 |



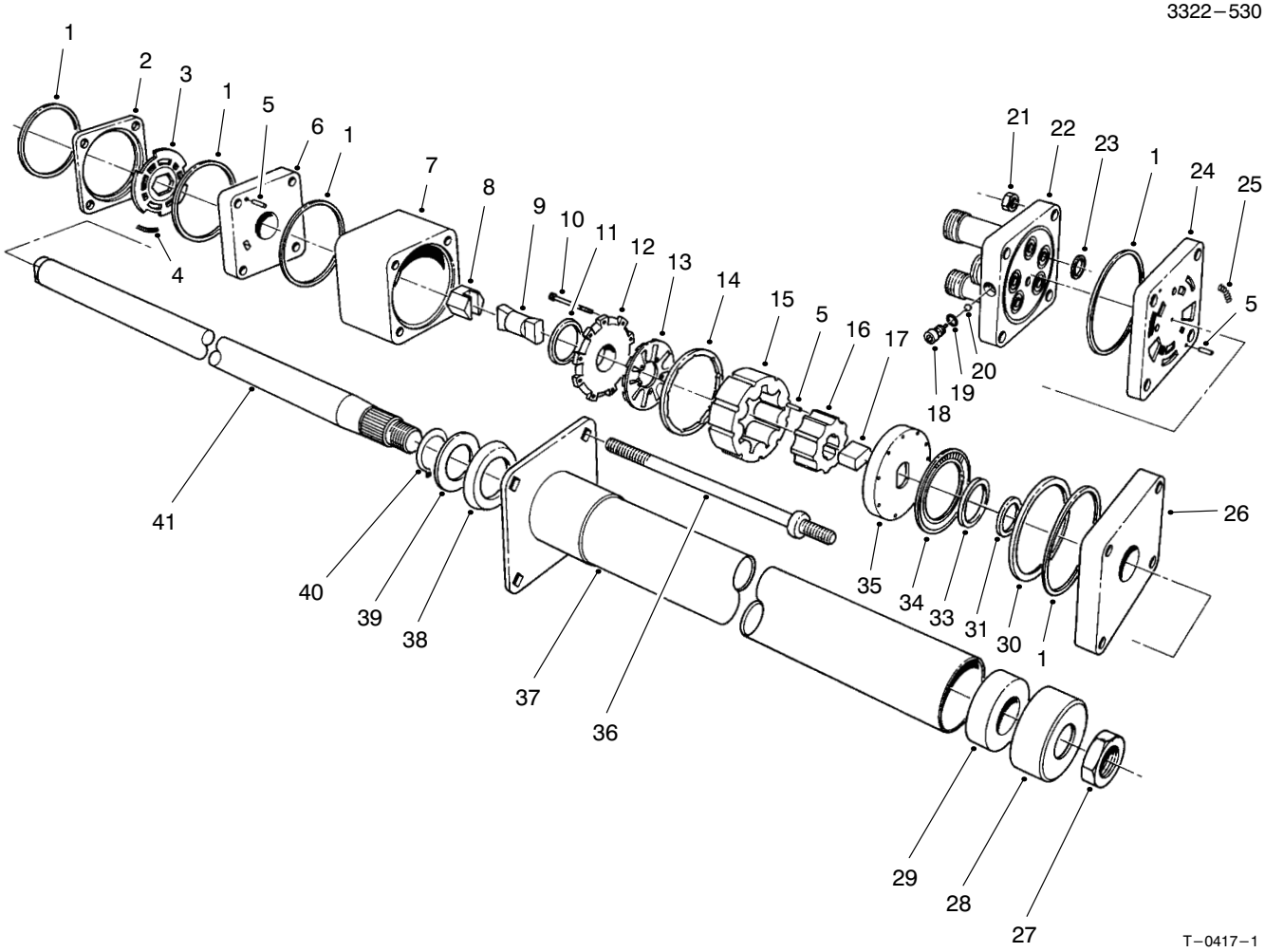

T−1044−2

# STEERING TOWER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 32144−26 | Screw−TAP | 2 |
| 2 | 3253−4 | Washer−Lock | 2 |
| 3 | 75−2810 | Clamp−Steering Valve | 1 |
| 4 | 75−0560 | Asm−Steering Wheel (Incl. Ref. #6−8) | 1 |
| 5 | 68−5370 | Decal−TORO | 1 |
| 6 | 32144−21 | Screw | 1 |
| 7 | 68−5140 | Cap−Steering Wheel | 1 |
| 8 | 3220−6 | Nut−Steering Wheel | 1 |
| 9 | 233−17 | Knob−Parking Brake | 1 |
| 10 | 93−6682 | Panel−Tower | 1 |
| 11 | 3256−22 | Washer−Flat | 4 |
| 12 | 95−1821 | Spring−Compression | 1 |
| 13 | 75−1490 | Rod−Parking Brake | 1 |
| 14 | 237−22 | O−Ring | 5 |
| 15 | 3255−8 | Washer−Lock ETLW | 1 |
| 16 | 3296−20 | Nut−Lock | 4 |
| 17 | 3272−5 | Pin−Cotter | 3 |
| 18 | 75−6230 | Hose−Hydraulic RT | 2 |
| 19 | 75−6240 | Hose−Hydraulic IN | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 20 | 63−7900 | Rack−Parking Brake | 1 |
| 21 | 3272−10 | Pin−Cotter | 1 |
| 22 | 3256−26 | Washer−Flat | 1 |
| 23 | 75−5940 | Hose−Hydraulic AUX | 1 |
| 25 | 75−6250 | Hose−Hydraulic OUT | 1 |
| 26 | 75−0600 | Asm−Steering Valve (Incl. Ref. #14) | 1 |
| 27 | 21−9260 | Seal−Shaft | 1 |
| 28 | 3258−166 | Screw−PPH | 2 |
| 29 | 3256−1 | Washer−Flat | 2 |
| 30 | 3296−42 | Nut−Lock | 2 |
| 31 | 3256−23 | Washer−Flat | 6 |
| 32 | 44−2210 | Asm−Lights, Warning (Incl. Ref. #33−36) | 1 |
| 33 | 218−535 | Nut−Lock | 1 |
| 34 | 218−536 | Washer−Lock | 1 |
| 35 | 93−7480 | Bulb−LED | 1 |
| 36 | 218−533 | Lens−Red | 1 |
| * | 3290−378 | Tie−Cable | 3 |
| * | 3290−410 | Tie−Cable, Push On | 4 |

*Not Illustrated

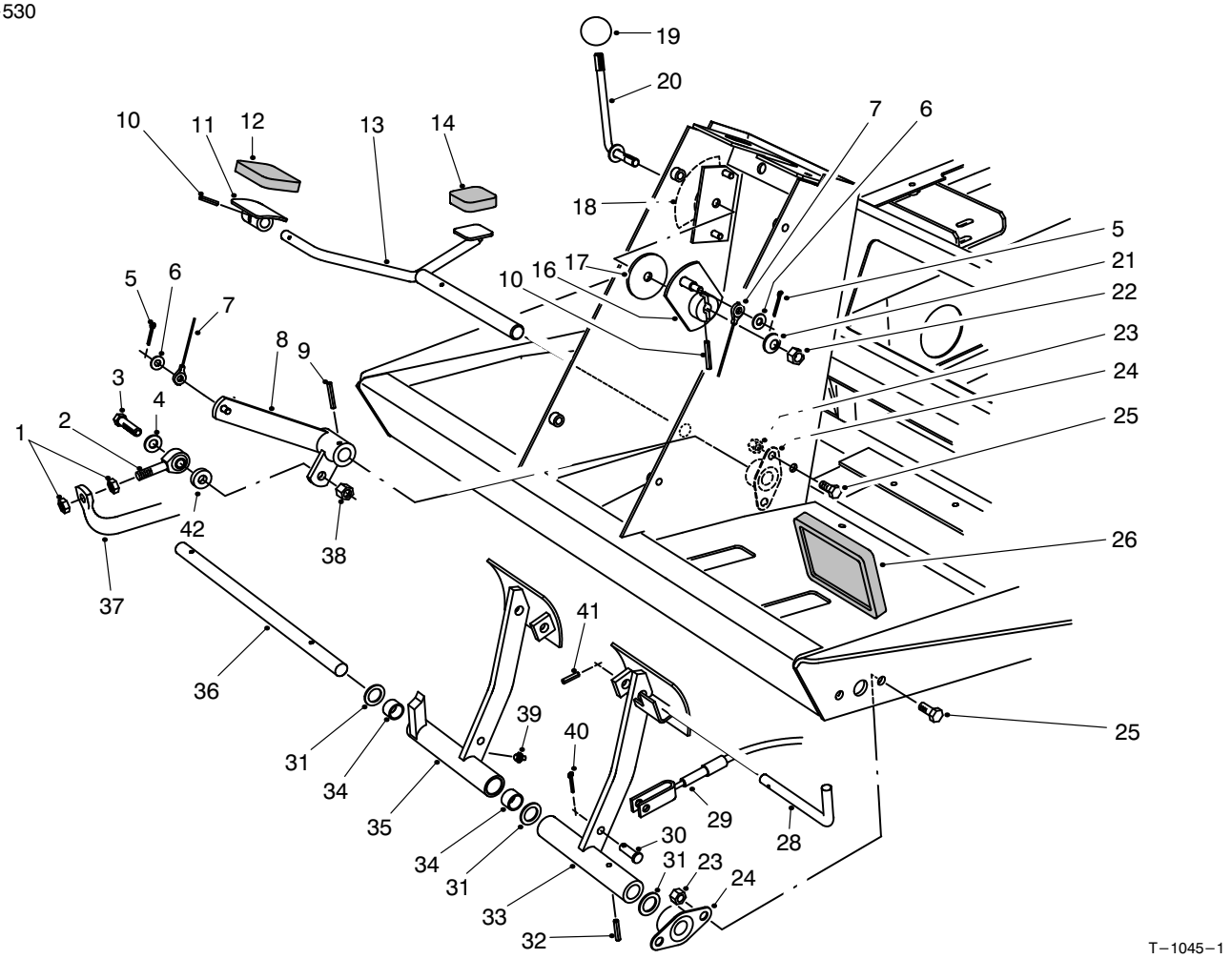



# STEERING VALVE ASSEMBLY No. 75–0600

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | | Ring–Seal | 5 |
| 2 | | Ring–Valve | 1 |
| 3 | | Plate–Valve | 1 |
| 4 | | Spring | 3 |
| 5 | | Pin–Alignment | 9 |
| 6 | | Manifold–Isolation | 1 |
| 7 | | Ring–Metering | 1 |
| 8 | | Asm–Hex Drive | 1 |
| 9 | | Link–Drive | 1 |
| 10 | | Screw–HSH | 11 |
| 11 | | Seal–Commutator | 1 |
| 12 | | Cover–Commutator | 1 |
| 13 | | Commutator | 1 |
| 14 | | Ring–Commutator | 1 |
| 15 | | Stator | 1 |
| 16 | | Rotor | 1 |
| 17 | | Spacer–Drive Link | 1 |
| 18 | | Plug | 1 |
| 19 | | O–Ring | 1 |
| 20 | | Ball | 1 |
| 21 | | Nut–Hex | 4 |
| 22 | | Cover–Port | 1 |
| 23 | | O–Ring | 5 |
| 24 | | Manifold–Port | 1 |
| 25 | | Spring | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 26 | | Plate–Cover, Upper | 1 |
| 27 | 3220–6 | Nut | 1 |
| 28 | 66–9770 | Seal | 1 |
| 29 | 66–9780 | Bushing | 1 |
| 30 | | Spacer–Bearing, Thrust | 1 |
| 31 | | Spacer–Seal | 1 |
| 33 | | Seal–Face | 1 |
| 34 | | Bearing–Thrust | 1 |
| 35 | | Plate–Drive | 1 |
| 36 | 93–3609 | Bolt–Special | 4 |
| 37 | 66–9860 | Upper Cover & Jacket | 1 |
| 38 | 66–9870 | Plate–Retaining | 1 |
| 39 | 66–9880 | Washer–Retaining Plate | 1 |
| 40 | 66–9890 | Ring–Retaining | 1 |
| 41 | 66–9900 | Shaft–Input | 1 |
| * | 66–9970 | Kit–Spring (Incl. Ref. #4 & 25) | 1 |
| * | 66–9980 | Kit–Seal (Incl. Ref. #1, 11, 19, 23 & 33) | 1 |
| * | 66–9990 | Kit–Needle Roller (Incl. Ref. #5) | 1 |
| * | 75–1340 | Valve–Power Steering (Incl. Ref. #1–26 & 30–36) | 1 |

*Not Illustrated

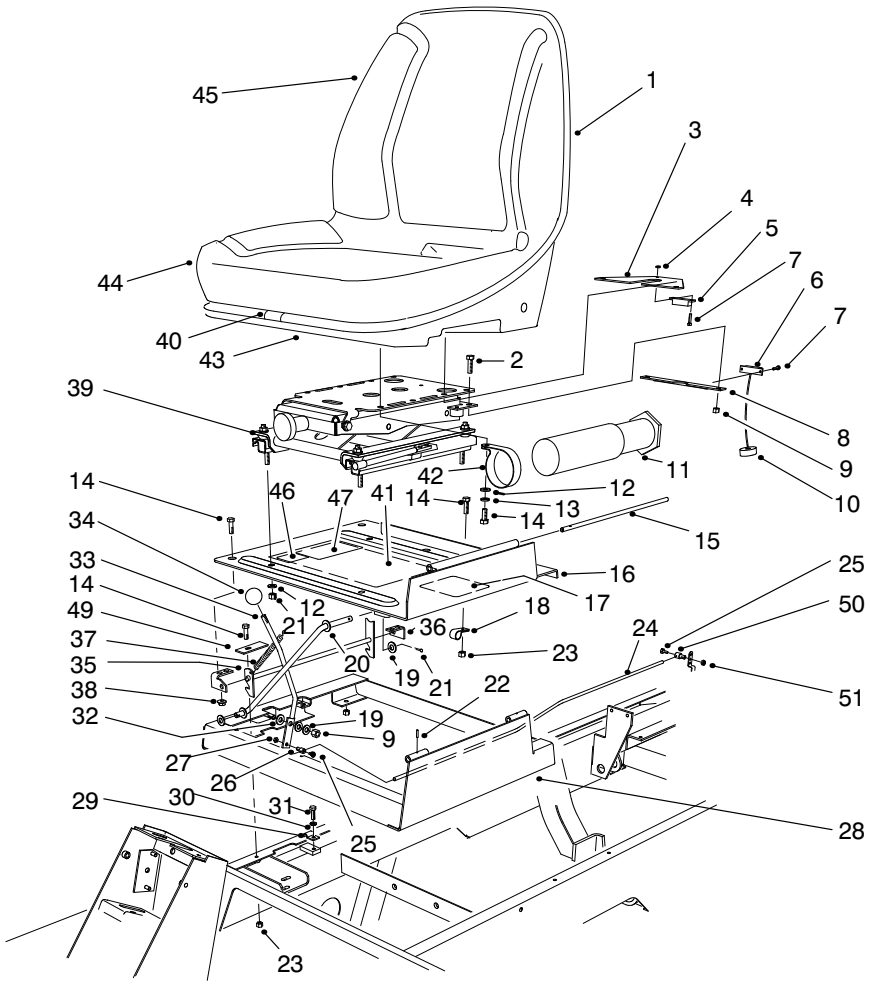



# TRACTION & BRAKE PEDALS ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3220−3 | Nut−Jam | 2 |
| 2 | 2411−36 | Bearing−Rod End | 1 |
| 3 | 323−9 | Screw−HH | 1 |
| 4 | 3256−24 | Washer−Flat | 1 |
| 5 | 3272−2 | Pin−Cotter | 2 |
| 6 | 3256−22 | Washer−Flat | 2 |
| 7 | 75−6580 | Cable−Pedal | 1 |
| 8 | 75−3270 | Lever−Traction Pivot | 1 |
| 9 | 32121−6 | Pin−Roll | 1 |
| 10 | 32121−45 | Pin−Roll | 2 |
| 11 | 49−6440 | Plate−Traction Pedal | 1 |
| 12 | 74−9100 | Pad−Forward | 1 |
| 13 | 75−2970 | Pedal−Traction | 1 |
| 14 | 74−9110 | Pad−Reverse | 1 |
| 16 | 75−6510 | Lever−Bracket | 1 |
| 17 | 75−6550 | Disc−Friction | 1 |
| 18 | 93−6699 | Decal−Fast/Slow | 1 |
| 19 | 233−42 | Knob | 1 |
| 20 | 75−6490 | Lever−Pedal Stop | 1 |
| 21 | 3290−461 | Washer−Belleville | 1 |
| 22 | 3296−59 | Nut−Lock | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 3296−29 | Nut−Lock | 8 |
| 24 | 256−236 | Bearing−Flange | 4 |
| 25 | 322−3 | Screw−HH | 8 |
| 26 | 93−8742 | Pad−Brake | 2 |
| 28 | 63−7880 | Pin−Brake Latch | 1 |
| 29 | 63−7733 | Cable−Brake LH | 1 |
| * | 63−7732 | Cable−Brake RH | 1 |
| 30 | 283−58 | Pin−Clevis | 4 |
| 31 | 3256−69 | Washer−Thrust | 3 |
| 32 | 32121−16 | Pin−Roll | 1 |
| 33 | 75−1440 | Pedal−Brake LH | 1 |
| 34 | 256−42 | Bushing−Sleeve | 2 |
| 35 | 75−1430 | Asm−Brake Pedal RH (Incl. Ref. #34 & 39) | 1 |
| 36 | 75−1470 | Shaft−Brake Pedal | 1 |
| 37 | 75−2170 | Tube−Pump Control | 1 |
| 38 | 3296−39 | Nut−Lock | 1 |
| 39 | 302−5 | Fitting−Grease | 1 |
| 40 | 3272−10 | Pin−Cotter | 4 |
| 41 | 32121−50 | Pin−Roll | 1 |
| 42 | 5−0652 | Spacer | 1 |

*Not Illustrated

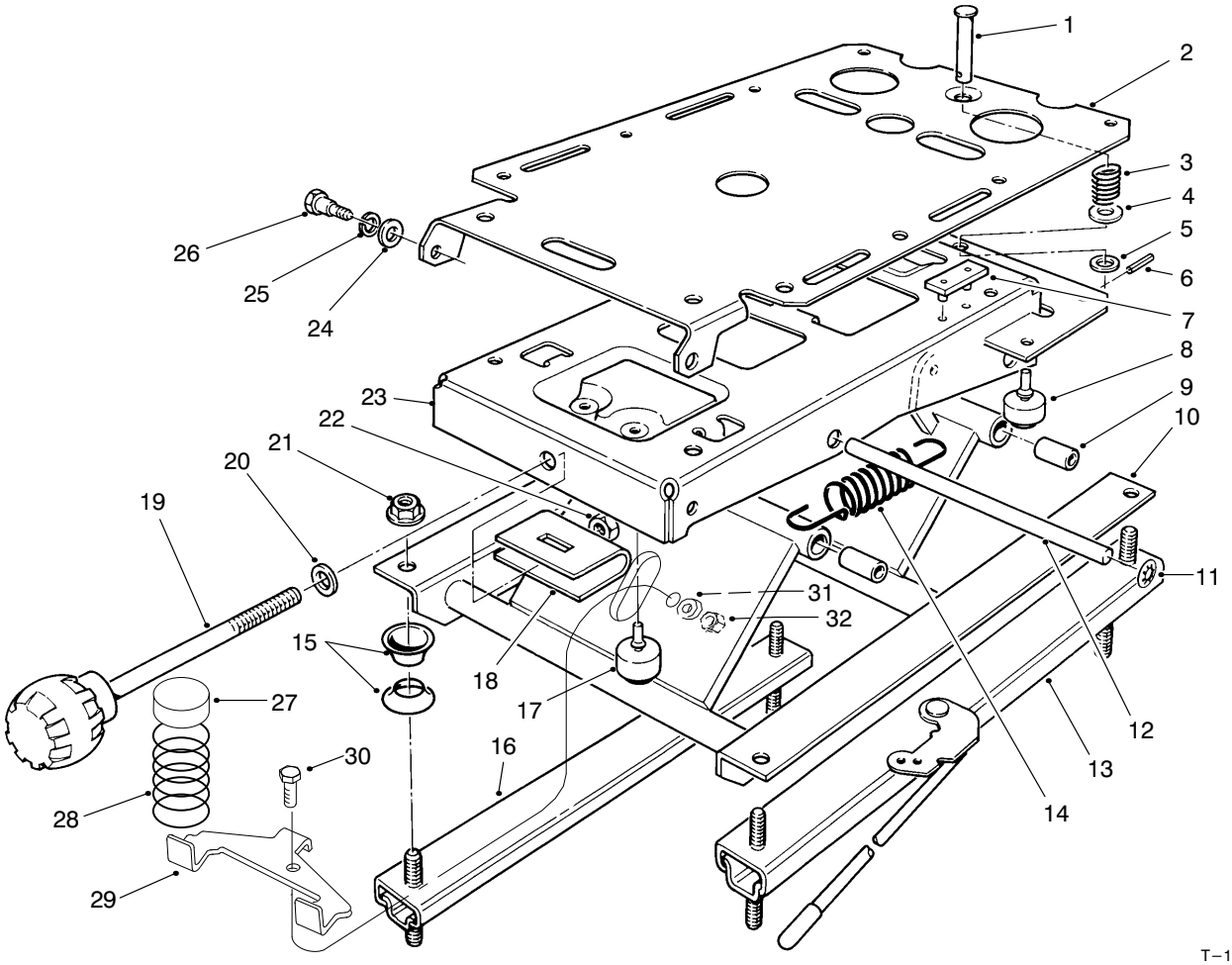



T–1891–5

# SEAT & THROTTLE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 351–78 | Edging | 1 |
| 2 | 323–4 | Screw–HH | 2 |
| 3 | 75–4370 | Bracket–Switch (Seat) | 1 |
| 4 | 3296–54 | Nut–Lock | 4 |
| 5 | 92–8753 | Magnet–Reed Switch | 1 |
| 6 | 92–8001 | Sensor–Reed Switch | 1 |
| 7 | 3250–29 | Screw–HH | 4 |
| 8 | 75–4360 | Bracket–Switch | 1 |
| 9 | 3296–39 | Nut–Lock | 3 |
| 10 | 93–0140 | Grommet | 1 |
| 11 | 74–0720 | Tube–Manual | 1 |
| 12 | 3256–23 | Washer–Flat | 8 |
| 13 | 3253–4 | Washer–Lock | 4 |
| 14 | 322–3 | Screw–HH | 13 |
| 15 | 75–3400 | Shaft–Seat Pivot | 1 |
| 16 | 98–2350 | Asm–Seat Plate (Incl. Ref. #10) | 1 |
| 17 | 93–8060 | Decal–Danger | 1 |
| 18 | 2412–93 | Clamp–R | 1 |
| 19 | 3256–24 | Washer–Flat | 3 |
| 20 | 75–3680 | Rod–Seat | 1 |
| 21 | 3272–10 | Pin–Cotter | 2 |
| 22 | 32121–38 | Pin–Roll | 1 |
| 23 | 3296–29 | Nut–Lock | 10 |
| 24 | 98–9303 | Cable–Throttle | 1 |
| 25 | 25–8640 | Screw–HH | 2 |
| 26 | 93–0021 | Asm–Throttle Cable Swivel | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 27 | 3296–3 | Nut–Lock | 1 |
| 28 | 98–2352 | Frame–Seat | 1 |
| 29 | 3–6657 | Clamp–Cable | 1 |
| 30 | 3253–3 | Washer–Lock | 1 |
| 31 | 321–4 | Screw–HH | 1 |
| 32 | 66–2920 | Washer–Friction | 2 |
| 33 | 75–3430 | Rod–Throttle | 1 |
| 34 | 233–42 | Knob–Throttle | 1 |
| 35 | 98–2354 | Latch–Seat | 1 |
| 36 | 98–2353 | Bracket–Seat Latch | 2 |
| 37 | 66–4190 | Spring | 1 |
| 38 | 32128–25 | Nut–Flange | 4 |
| 39 | 75–3000 | Asm–Seat Suspension | 1 |
| 40 | 351–80 | Clip | 1 |
| 41 | 98–9342 | Decal–Clip (Metric) | 1 |
| 42 | 2412–133 | Clamp–R | 2 |
| 43 | 92–6534 | Shell–Seat | 1 |
| 44 | 92–6533 | Kit–Cushion, Replacement | 1 |
| 45 | 92–1180 | Asm–Seat (Incl. Ref. #1, 2 of #9, 43 & 44) | 1 |
| 46 | 63–9920 | Decal–EEC 105 | 1 |
| 47 | 92–5524 | Decal–Noise Rating, 90 | 1 |
| 49 | 98–9302 | Plate–Idler Stop | 1 |
| 50 | 98–9311 | Swivel–Cable, Throttle | 1 |
| 51 | 3296–20 | Nut–Lock | 1 |

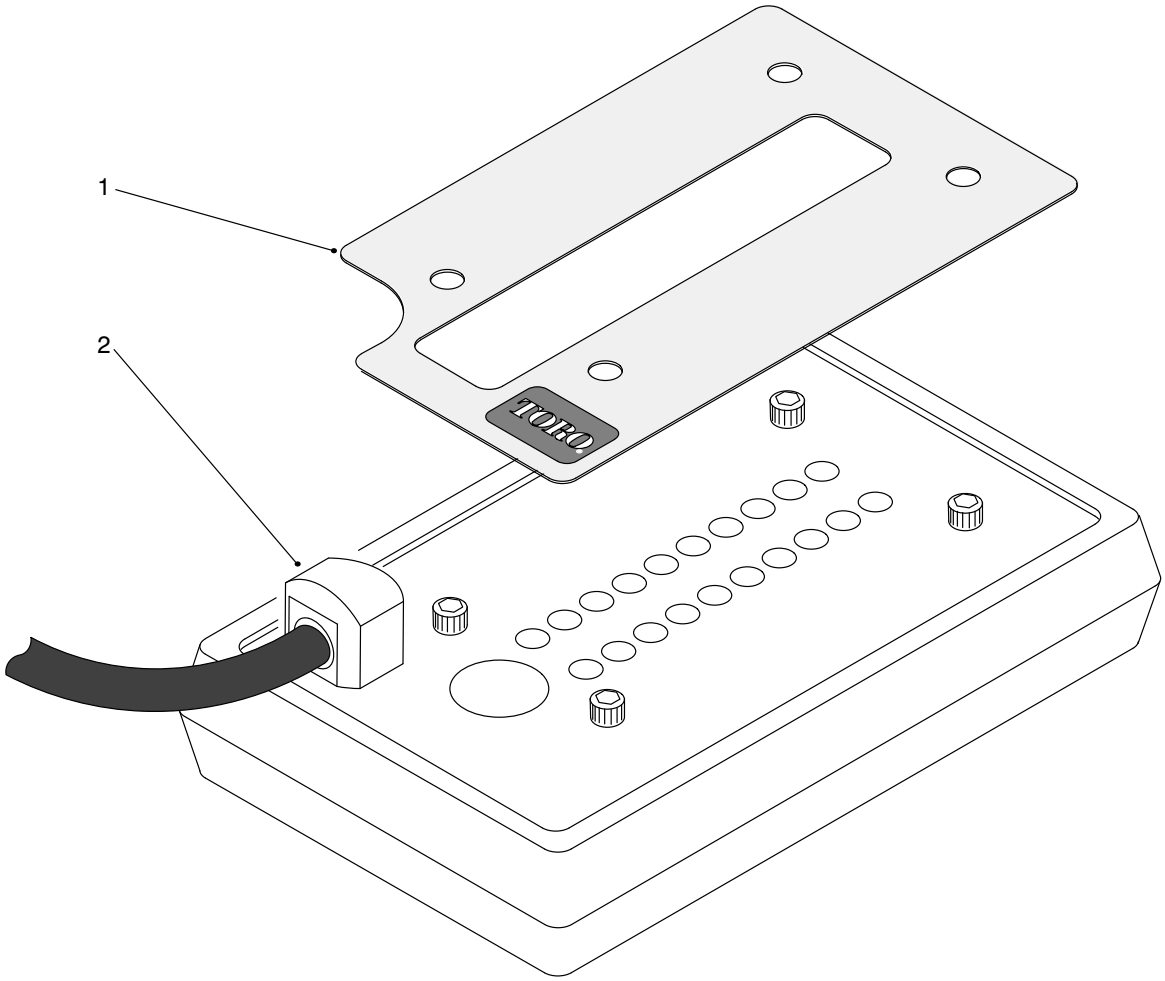



T−1031−1

# SEAT SUSPENSION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 80−4860 | Pin−Clevis | 1 |
| 2 | 75−3580 | Plate−Mounting, Seat | 1 |
| 3 | 75−3530 | Spring−Compression | 1 |
| 4 | 3256−5 | Washer−Flat | 1 |
| 5 | 3256−24 | Washer−Flat | 1 |
| 6 | 75−3540 | Pin−Roll | 1 |
| 7 | 75−3550 | Bumper−Seat | 2 |
| 8 | 76−2940 | Bumper−Rubber | 2 |
| 9 | 76−1920 | Bushing−Sleeve | 4 |
| 10 | 66−8610 | Weldment−Lower | 1 |
| 11 | 66−8560 | Nut−Push | 4 |
| 12 | 76−1910 | Shaft−Pivot | 2 |
| 13 | 82−9060 | Adjuster W/Handle | 1 |
| 14 | 76−1940 | Spring−Extension | 2 |
| 15 | 66−9290 | Spacer | 6 |
| 16 | 66−8530 | Adjuster | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 17 | 66−8520 | Bumper−Down−stop | 2 |
| 18 | 77−2870 | Weldment−Hanger | 1 |
| 19 | 76−1930 | Knob−Tension Adjustment | 1 |
| 20 | 3256−46 | Washer−Flat | 1 |
| 21 | 32128−26 | Nut−Flange | 4 |
| 22 | 3296−44 | Nut−Lock | 1 |
| 23 | 75−3480 | Weldment−Upper | 1 |
| 24 | 3256−26 | Washer−Flat | 2 |
| 25 | 3253−6 | Washer−Lock | 2 |
| 26 | 75−3510 | Bolt−Shoulder | 2 |
| 27 | 93−3164 | Cap | 2 |
| 28 | 93−3163 | Spring | 2 |
| 29 | 93−3165 | Bracket | 1 |
| 30 | 322−6 | Screw−HH | 1 |
| 31 | 3253−33 | Washer−Lock | 1 |
| 32 | 3217−6 | Nut−Hex | 1 |

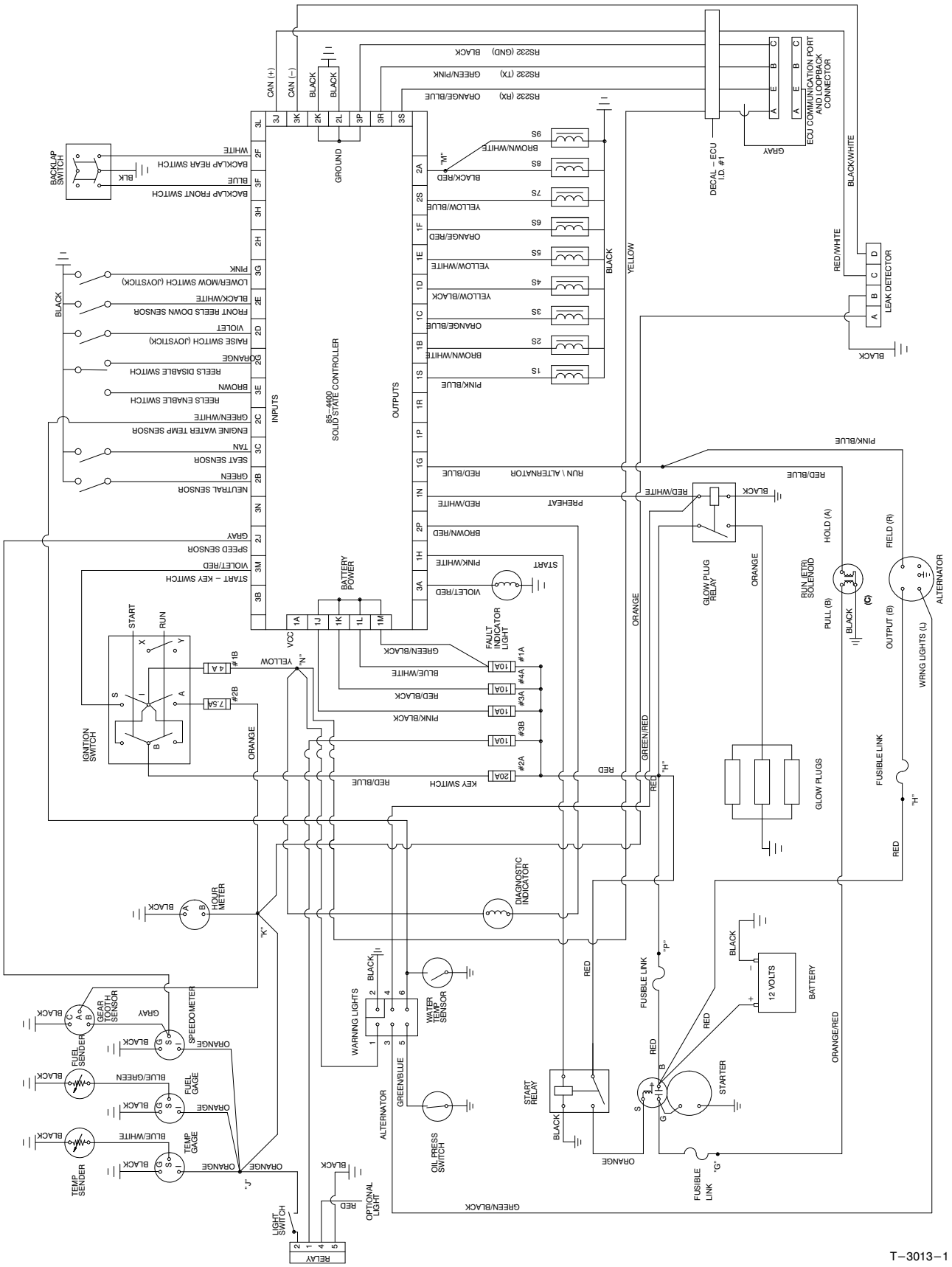



T–1458–1

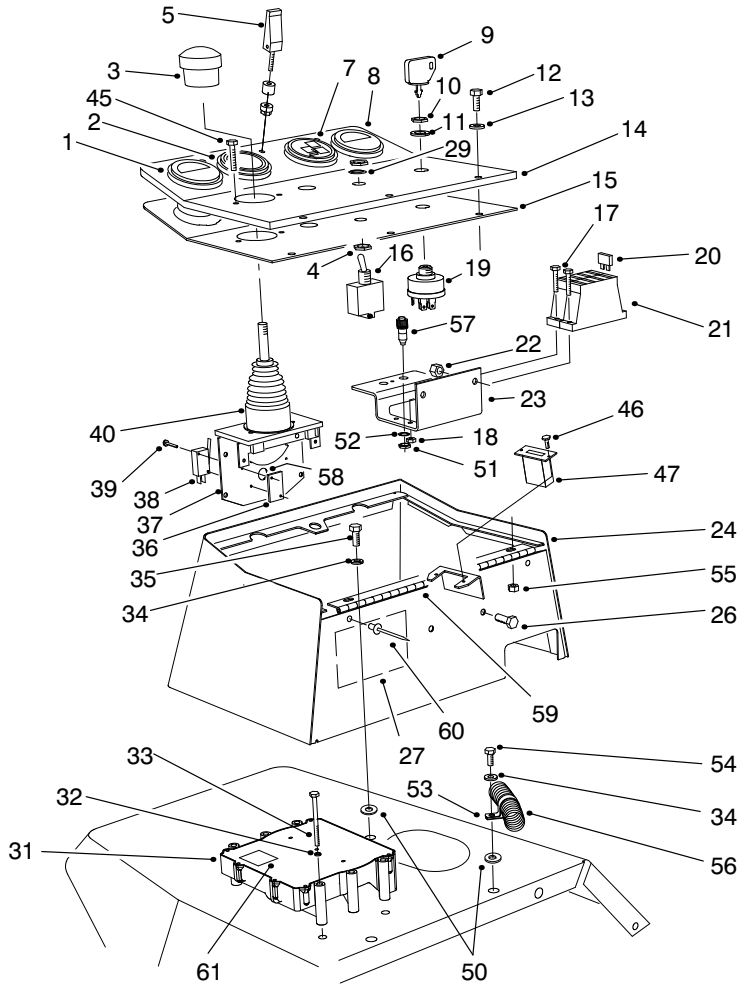
# DIAGNOSTIC–ACE DISPLAY ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 100–3700 | Decal–Diagnostic–ACE RM 5400D V 1.0 | 1 |
| 1 | 100–3710 | Decal–Diag. (Spanish) | 1 |
| 1 | 100–3704 | Decal–Diag. (French) | 1 |
| 1 | 100–3705 | Decal–Diag. (German) | 1 |
| 1 | 100–3711 | Decal–Diag. (Swedish) | 1 |
| 1 | 100–3706 | Decal–Diag. (Italian) | 1 |
| 1 | 100–3709 | Decal–Diag. (Portuguese) | 1 |
| 1 | 100–3708 | Decal–Diag. (Norwegian) | 1 |
| 1 | 100–3703 | Decal–Diag. (Finnish) | 1 |
| 1 | 100–3701 | Decal–Diag. (Danish) | 1 |
| 1 | 100–3702 | Decal–Diag. (Dutch) | 1 |
| 1 | 100–3707 | Decal–Diag. (Japan) | 1 |
| 1 | 94–5386 | Decal–Turf Defender, Diag. | 1 |
| 1 | 94–8060 | Decal–Turf Defender, Diag. (Danish) | 1 |
| 1 | 94–8061 | Decal–Turf Defender, Diag. (Dutch) | 1 |
| 1 | 94–8062 | Decal–Turf Defender, Diag. (Finnish) | 1 |
| 1 | 94–8063 | Decal–Turf Defender, Diag. (French) | 1 |
| 1 | 94–8064 | Decal–Turf Defender, Diag. (German) | 1 |
| 1 | 94–8065 | Decal–Turf Defender, Diag. (Italian) | 1 |
| 1 | 94–8066 | Decal–Turf Defender, Diag. (Japanese) | 1 |
| 1 | 94–8067 | Decal–Turf Defender, Diag. (Norwegian) | 1 |
| 1 | 94–8068 | Decal–Turf Defender, Diag. (Portuguese) | 1 |
| 1 | 94–8069 | Decal–Turf Defender, Diag. (Spanish) | 1 |
| 1 | 94–8070 | Decal–Turf Defender, Diag. (Swedish) | 1 |
| 2 | 85–4750 | Display–Diagnostic–ACE | 1 |

# ELECTRICAL SCHEMATIC




T−3013−1



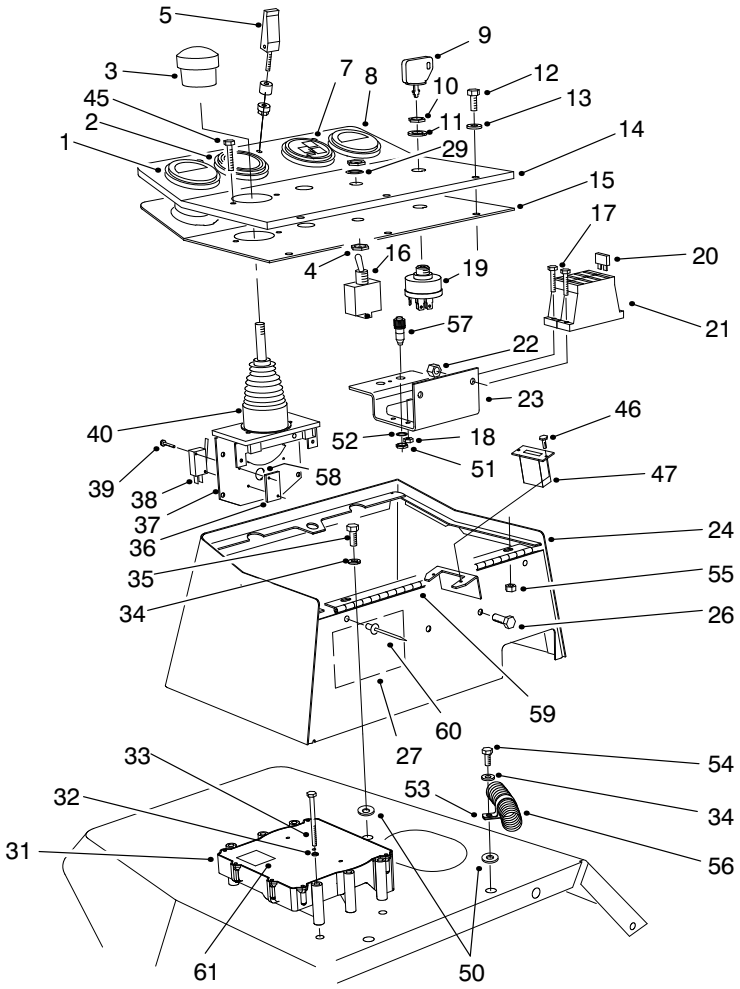

T−1501−8

# CONTROL CONSOLE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9339 | Gauge−Fuel | 1 |
| 2 | 85−4420 | Gauge−Speedometer | 1 |
| 3 | 3290−489 | Knob−Lift Control | 1 |
| 4 | 218−498 | Nut−Hex. | 2 |
| 5 | 74−5950 | Asm−Swell Latch | 1 |
| 7 | 98−9306 | Cluster−Warning | 1 |
| 8 | 98−9308 | Gauge−Temperature | 1 |
| 9 | 63−8360 | Key−Ignition | 1 |
| 10 | 218−446 | Nut−Locking | 1 |
| 11 | 218−447 | Washer−E.T.L.W. | 1 |
| 12 | 3258−166 | Screw−PPH | 5 |
| 13 | 3256−1 | Washer−Flat | 5 |
| 14 | 99−8961 | Panel−Control | 1 |
| 15 | 75−6270 | Cover−Control Box | 1 |
| 16 | 99−8352 | Asm−Switch, Toggle (Incl. Ref. #4, 29 & 71) | 1 |
| 17 | 32105−13 | Screw−HH | 4 |
| 18 | 3296−2 | Nut−Lock | 4 |
| 19 | 27−2360 | Asm−Ignition Switch (Incl. Ref. #9−11) | 1 |
| †20 | 94−9157 | Fuse−4A | 1 |
| †20 | 218−578 | Fuse−10A | 3 |
| †20 | 218−574 | Fuse−7.5A | 1 |
| †20 | 218−594 | Fuse−20A | 1 |
| †21 | 67−7160 | Block−Fuse | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 22 | 3296−42 | Nut−Lock | 4 |
| 23 | 93−7587 | Bracket−Fuse Block | 1 |
| 24 | 75−5740 | Box−Control | 1 |
| 26 | 321−39 | Screw−HH | 2 |
| 27 | 94−6767 | Decal−Fuses | 1 |
| 29 | 218−589 | Washer−Lock | 1 |
| 31 | 92−5720 | Controller−Electronic Note: This part must be programmed by distributor before installation. | 1 |
| 32 | 3253−3 | Washer−Lock | 2 |
| 33 | 321−15 | Screw−HH | 2 |
| 34 | 3256−3 | Washer−Flat | 3 |
| 35 | 322−3 | Screw−HH | 2 |
| 36 | 3290−354 | Plate−Nut | 2 |
| 37 | 98−2195 | Asm−Lift Control (Incl. Ref. #3, 36, 38−40 & 58) | 1 |
| 38 | 94−8104 | Switch−Micro | 2 |
| 39 | 94−8103 | Screw−HH | 4 |
| 40 | 3290−488 | Boot−Lift Control | |
| 45 | 3273−26 | Screw−Hex. Socket Hd. | 2 |
| 46 | 32144−18 | Screw−HH | 2 |
| 47 | 75−6820 | Meter−Hour | 1 |

*Not Illustrated †Included in main wire harness Assembly.
▪Obtain Locally.




T−1501−8

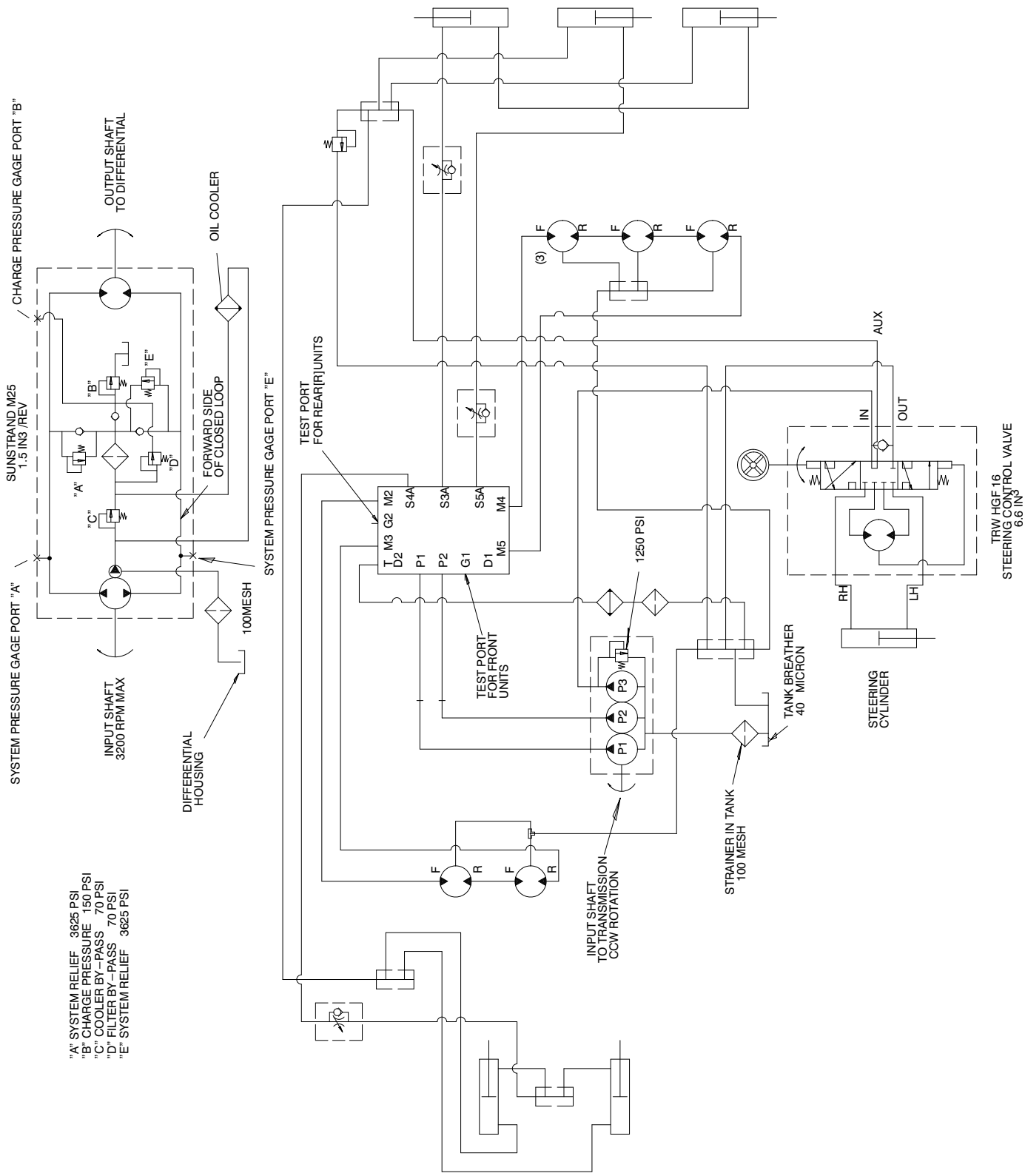
# CONTROL CONSOLE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 50 | 66−2920 | Washer−Nylon | 3 |
| 51 | | Nut−Lock | 1 |
| 52 | | Washer−Lock | 1 |
| 53 | 2412−126 | Clamp−R | 1 |
| 54 | 322−5 | Screw−HH | 1 |
| 55 | 32128−33 | Nut−Lock, Flange Hd. | 3 |
| 56 | 99−8960 | Asm−Main Wire Harness | 1 |
| †57 | 85−4491 | Lamp−Diagnostic (Incl. Ref. 219−19 Lamp) | 1 |
| * | 219−19 | Lamp−Green | 1 |

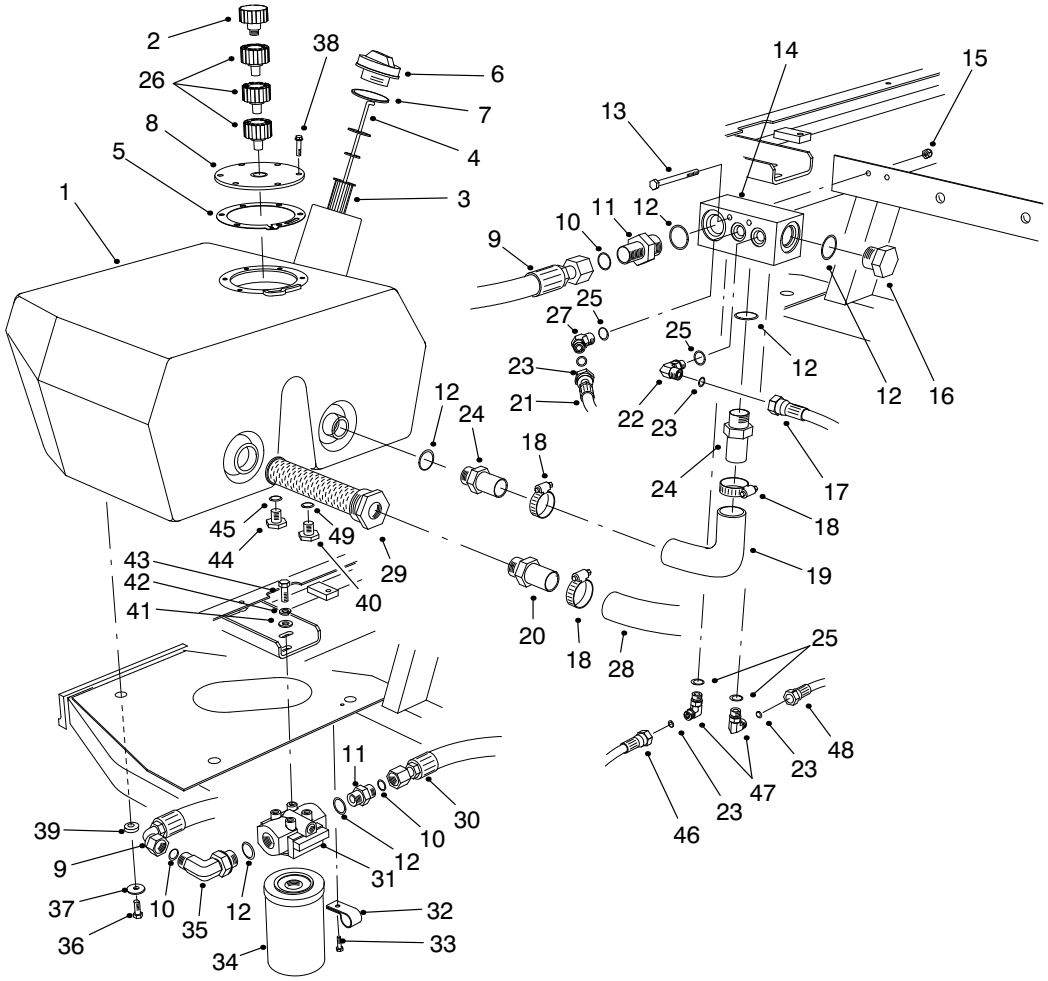
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 58 | 93−3625 | Spring−Joystick Return | 1 |
| 59 | 75−5780 | Hinge−Cover | 1 |
| 60 | 93−8744 | Rivet | 3 |
| 61 | 93−8053 | Decal−ECU | 1 |
| *70 | 94−6343 | Decal−Wire I.D. | 1 |
| *71 | 3253−19 | Washer−Lock | 2 |
| *† | 70−8570 | Breaker−Circuit, 40 Amp | 2 |
| *† | 86−7560 | Connector−Cover (3 Way) | 3 |
| *† | 86−7550 | Connector−Cover (2 Way) | 2 |
| *† | 85−4650 | Connector−Loop Back | 1 |

*Not Illustrated
†Included in main wire harness Assembly.

# HYDRAULIC SCHEMATIC



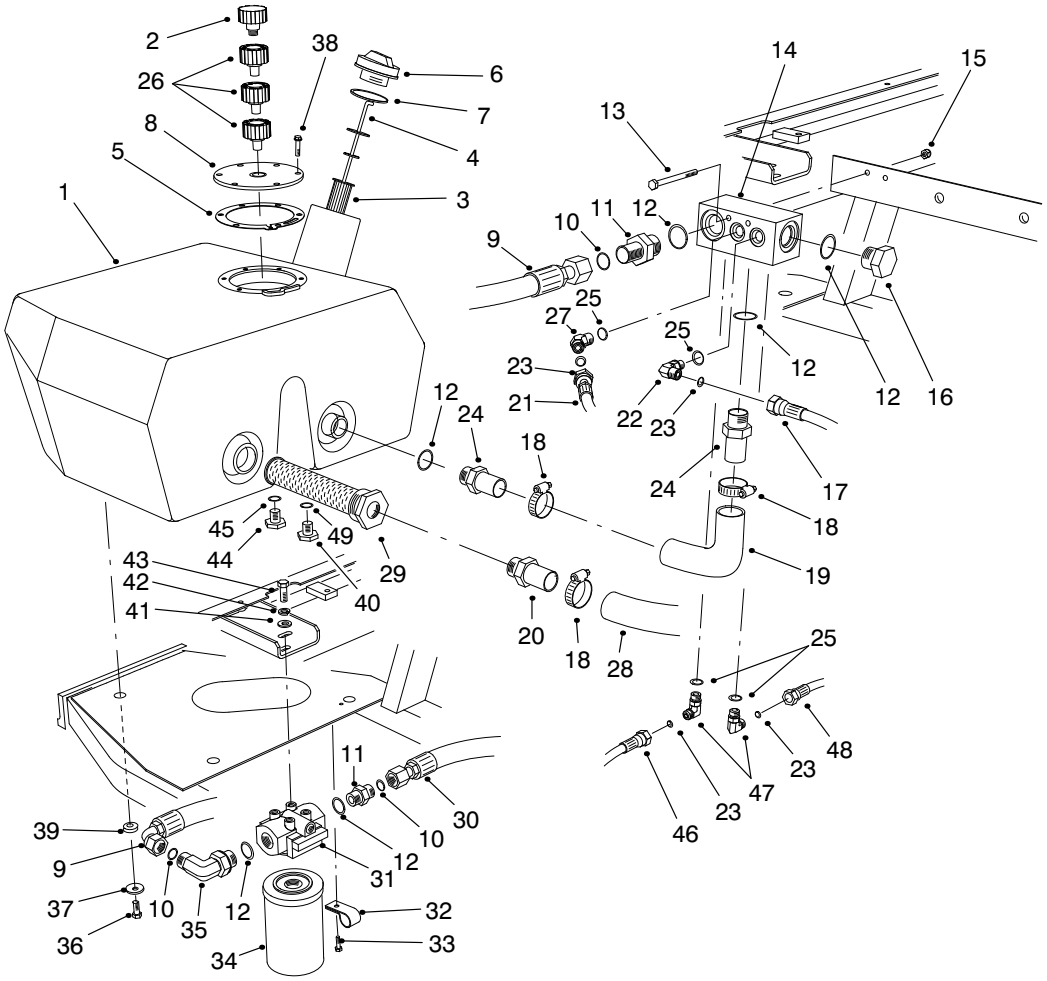

T–1144–4




T−1048−4

# HYDRAULIC RESERVOIR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−7488 | Reservoir−Hydraulic | 1 |
| 2 | 68−6150 | Breather−Hydraulic Tank | 1 |
| 3 | 61−2790 | Screen−Filler | 1 |
| 4 | 94−9411 | Dipstick | 1 |
| 5 | 93−7499 | Gasket−Flange | 1 |
| 6 | 93−7498 | Plug−Plastic | 1 |
| 7 | 237−101 | O−Ring | 1 |
| 8 | 93−7588 | Cover−Tank | 1 |
| 9 | 75−6130 | Hose−Hydraulic | 1 |
| 10 | 237−65 | O−Ring | 5 |
| 11 | 340−8 | Fitting−Hydraulic Straight (Incl. Ref. #10 & 12) | 2 |
| 12 | 237−81 | O−Ring | 4 |
| 13 | 321−23 | Screw−HH | 2 |
| 14 | 92−9098 | Manifold−Tank | 1 |
| 15 | 3296−42 | Nut−Lock | 2 |
| 16 | 354−74 | Fitting−Hydraulic Plug (Incl. Ref. #12) | 1 |
| 17 | 75−6250 | Hose−Hydraulic | 1 |
| 18 | 2412−34 | Clamp−Hose | 3 |
| 19 | 75−5720 | Hose−Hydraulic | 1 |
| 20 | 353−682 | Fitting−Hydraulic Straight | 1 |
| 21 | 93−0119 | Hose−Hydraulic | 1 |
| 22 | 340−77 | Fitting−Hydraulic 90˚ (Incl. Ref. #23 & 25) | 1 |
| 23 | 237−22 | O−Ring | 6 |
| 24 | 354−73 | Fitting−Hydraulic Straight (Incl. Ref. #12) | 2 |
| 25 | 237−42 | O−Ring | 4 |
| 26 | 92−8020 | Adapter−Breather | 3 |
| 27 | 340−87 | Fitting−Hydraulic 45˚ (Incl. Ref. #25 & 23) | 1 |
| 28 | 75−6870 | Hose−Hydraulic Suction | 1 |
| 29 | 75−0550 | Strainer−Suction | 1 |
| 30 | 93−0077 | Hose−Hydraulic | 1 |
| 31 | 75−1300 | Asm−Hydraulic Filter Head | 1 |
| 32 | 2412−93 | Clamp−R | 2 |
| 33 | 32144−10 | Screw−HWH | 2 |
| 34 | 75−1310 | Element−Hydraulic Filter | 1 |
| 35 | 340−139 | Fitting−Hydraulic 90˚ (Incl. Ref. #10 & 12) | 1 |
| 36 | 33105−025 | Screw−HH | 3 |
| 37 | 63−8410 | Washer−Flat | 3 |
| 38 | 33104−020 | Screw−HFH | 6 |
| 39 | 240−11 | Grommet | 3 |
| 40 | 353−508 | Plug−Hydraulic | 1 |
| 41 | 3256−24 | Washer−Flat | 2 |
| 42 | 3253−21 | Washer−Lock | 2 |
| 43 | 323−4 | Screw−HH | 2 |
| 44 | 353−550 | Plug−Drain (Incl. Ref. #45) | 1 |
| 45 | 237−79 | O−Ring | 1 |

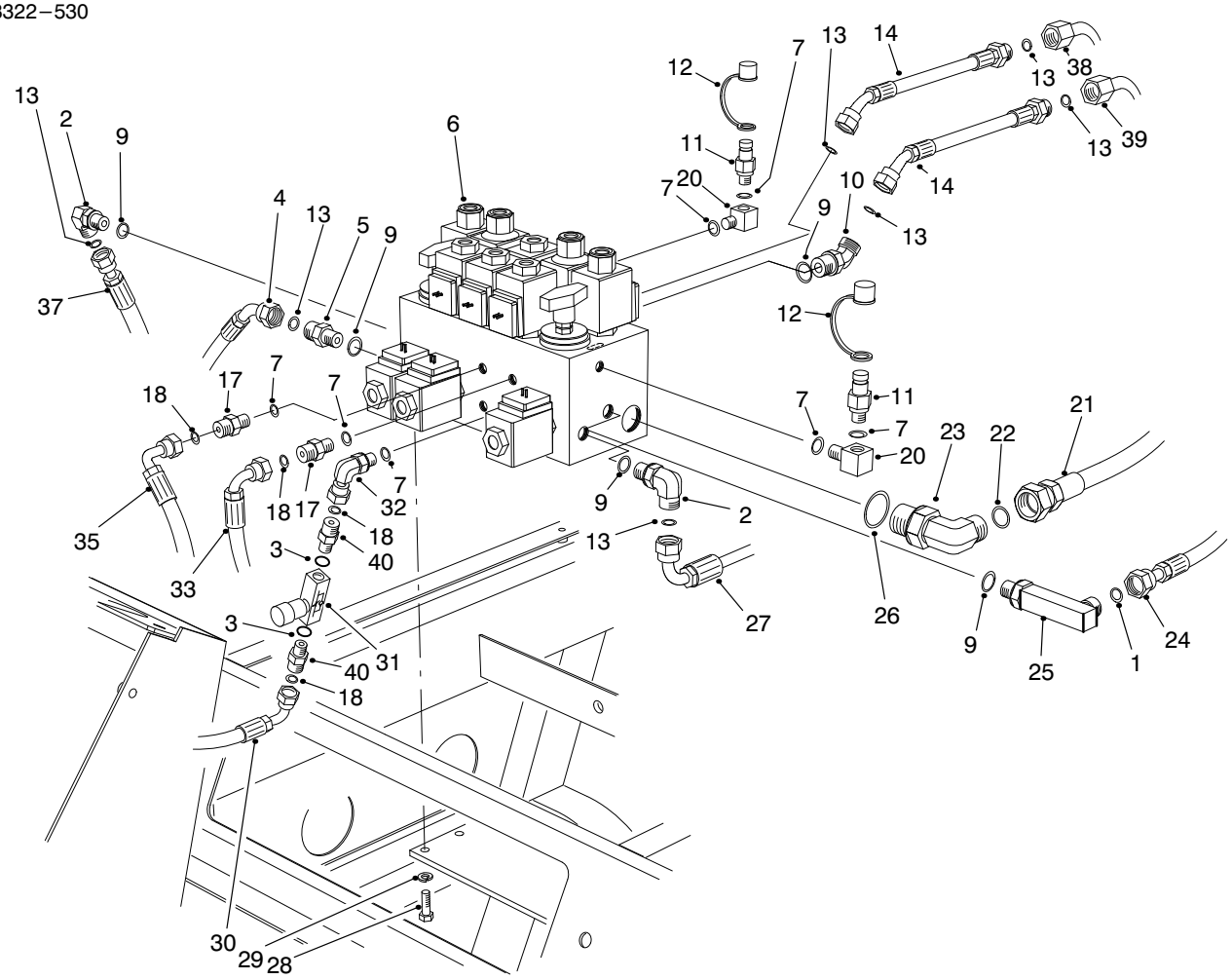



T–1048–4

# HYDRAULIC RESERVOIR ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 46 | 92–9096 | Asm–Hose | 1 |
| 47 | 340–82 | Fitting–Hydraulic 90° (Incl. Ref. #23 & 25) | 2 |

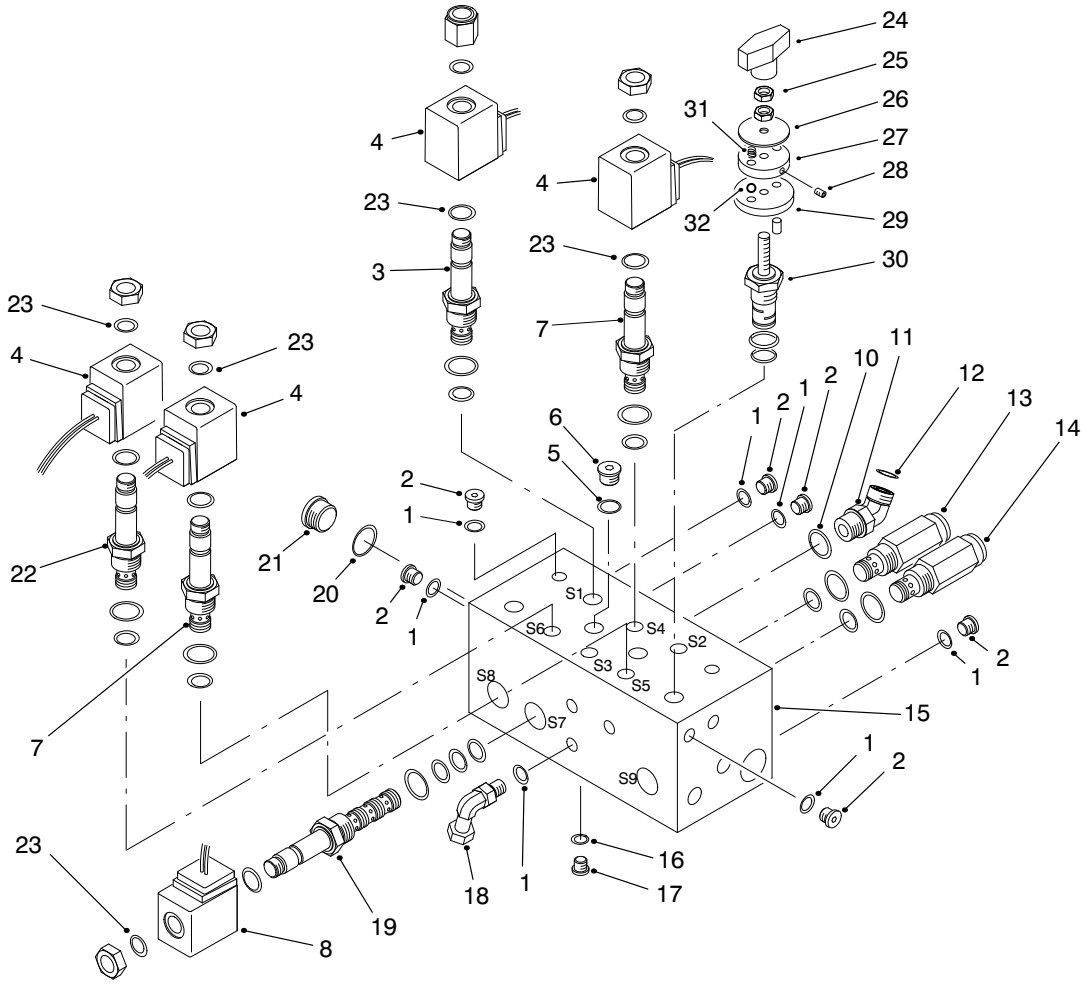
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 48 | 94–4916 | Hose Asm–Drain | 1 |
| 49 | 237–42 | O–Ring | 1 |




# HYDRAULIC CONTROL MANIFOLD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 237−22 | O−Ring | 1 |
| 2 | 340−98 | Fitting−Hydraulic 90˚ (Incl. Ref. #9 & 13) | 2 |
| 3 | 237−42 | O−Ring | 2 |
| 4 | 98−4586 | Asm−Hose, Pressure #5 | 1 |
| 5 | 340−4 | Fitting−Hydraulic Straight (Incl. Ref. #9 & 13) | 1 |
| 6 | 98−4579 | Asm−Control Manifold (Incl. Ref. #32) | 1 |
| 7 | 237−78 | O−Ring | 6 |
| 9 | 237−79 | O−Ring | 6 |
| 10 | 340−101 | Fitting−Hydraulic 45˚ (Incl. Ref. #9 & 13) | 2 |
| 11 | 354−77 | Fitting−Test Port (Incl. Ref. #7) | 2 |
| 12 | 354−79 | Cap−Test Port | 2 |
| 13 | 237−30 | O−Ring | 7 |
| 14 | 86−9190 | Hose−Hydraulic | 2 |
| 17 | 340−92 | Fitting−Hydraulic Straight (Incl. Ref. #7 & 18) | 2 |
| 18 | 237−21 | O−Ring | 4 |
| 20 | 75−6640 | Fitting−Hydraulic 90˚ (Incl. Ref. #7) | 2 |

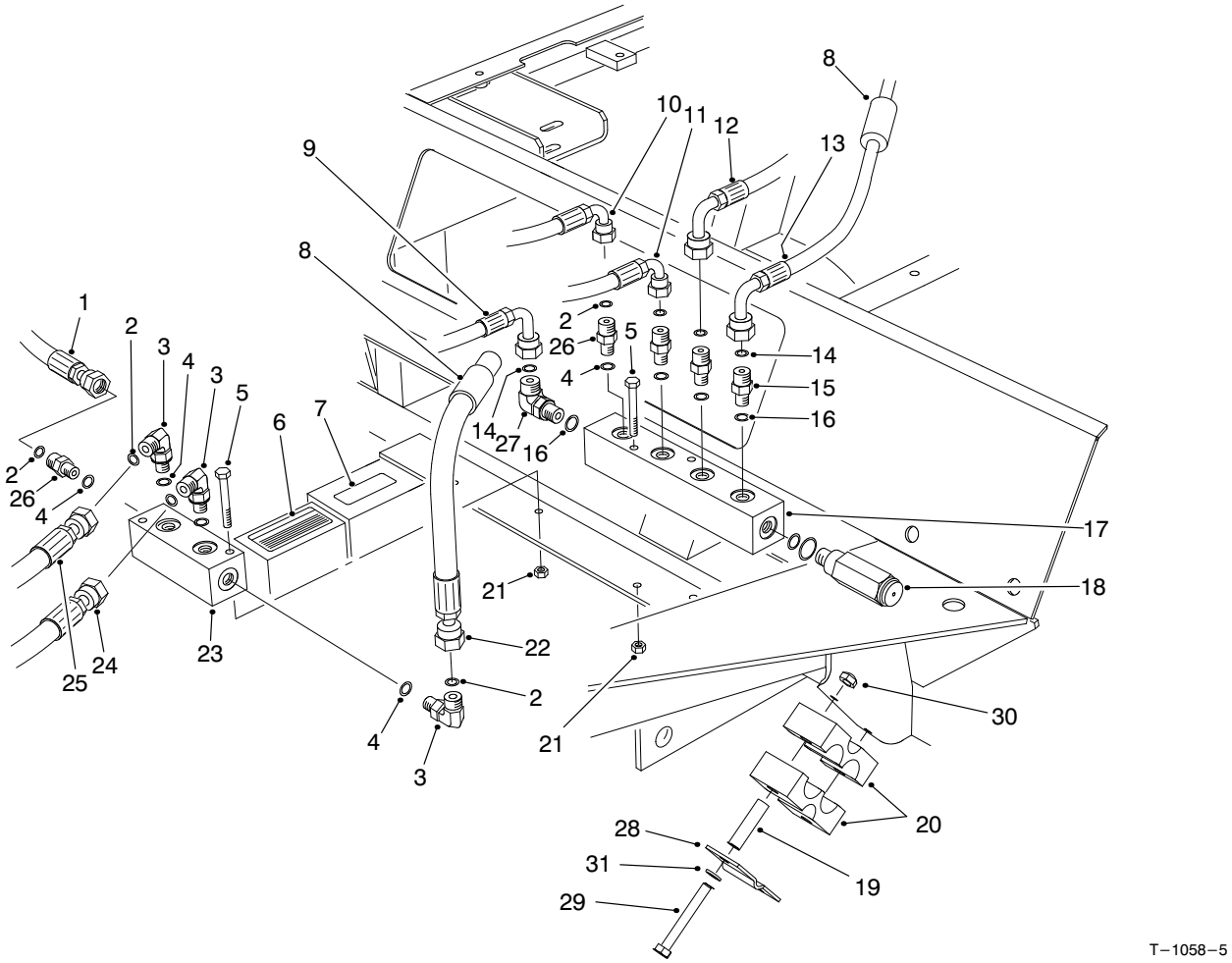
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 21 | 93−0078 | Hose−Hydraulic | 1 |
| 22 | 237−65 | O−Ring | 1 |
| 23 | 340−139 | Fitting−Hydraulic 90˚ (Incl. Ref. #22 & 26) | 1 |
| 24 | 98−9348 | Asm−Hose, Pressure #2 | 1 |
| 25 | 98−9781 | Fitting−Hydraulic 90˚ (Incl. Ref. #1 & 9) | 1 |
| 26 | 237−81 | O−Ring | 1 |
| 27 | 98−9347 | Asm−Hose, Pressure #3 | 1 |
| 28 | 322−3 | Screw−HH | 4 |
| 29 | 3253−4 | Washer−Lock | 4 |
| 30 | 75−5900 | Hose−Hydraulic | 1 |
| 31 | 98−9742 | Valve−Flow Control | 1 |
| 32 | 340−143 | Fitting−Hydraulic 90˚ (Incl. Ref. #7) | 1 |
| 33 | 93−0118 | Hose−Hydraulic | 1 |
| 35 | 75−5890 | Hose−Hydraulic | 1 |
| 37 | 98−4589 | Asm−Hose, Pressure #4 | 1 |
| 38 | 93−3642 | Tube−Hydraulic | 1 |
| 39 | 93−3643 | Tube−Hydraulic | 1 |
| 40 | 340−1 | Fitting−Hydraulic Straight (Incl. Ref. #3 & 18) | 2 |




# CONTROL MANIFOLD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 237–78 | O–Ring | 12 |
| 2 | 353–990 | Plug (Incl. Ref. #1) | 11 |
| 3 | 88–7020 | Cartridge–N.O. S1, S2 (Use Seal Kit #95–5645) | 2 |
| 4 | 88–9190 | Solenoid–20 Watt | 6 |
| 5 | 237–42 | O–Ring | 2 |
| 6 | 353–989 | Plug (Incl. Ref. #5) | 2 |
| 7 | 94–2685 | Cartridge–N.C. S3, S4, S5 (Use Seal Kit #95–5645) | 3 |
| 8 | 88–9200 | Solenoid–28 Watt | 3 |
| 10 | 237–79 | O–Ring | 1 |
| 11 | 340–101 | Fitting–Hydraulic 45° (Incl. Ref. #10 & 12) | 1 |
| 12 | 237–30 | O–Ring | 1 |
| 13 | 75–0920 | Cartridge–Relief 3000 psi (Use Seal Kit #95–5645) | 1 |
| 14 | 75–2010 | Cartridge–Relief 2000 psi (Use Seal Kit #95–5645) | 1 |
| †15 | | Body–Manifold | 1 |
| 16 | 237–156 | O–Ring | 2 |
| 17 | 353–991 | Plug (Incl. Ref. #16) | 2 |
| 18 | 340–143 | Fitting–Hydraulic 90° (Incl. Ref. #1) | 1 |
| 19 | 88–6960 | Cartridge–4W/2P S7, S8, S9 (Use Seal Kit #95–5642) | 3 |
| 20 | 237–80 | O–Ring | 1 |
| 21 | 354–70 | Plug (Incl. Ref. #20) | 1 |
| 22 | 92–6315 | Cartridge–N.C. S6 (Use Seal Kit #95–5645) | 1 |
| 23 | 94–5438 | Seal–Solenoid | 10 |
| 24 | 94–5020 | Knob | 2 |
| 25 | 75–6770 | Nut–Jam | 4 |
| 26 | | Plate–Indicator | 2 |
| 27 | 75–6730 | Plate–Detent | 2 |
| 28 | | Screw–Set | 2 |
| 29 | 75–6720 | Plate–Locating | 2 |
| 30 | 98–9779 | Rotary Cartridge Kit (Use Seal Kit #95–5645) | 2 |
| 31 | 94–5027 | Spring–Detent | 2 |
| 32 | | Ball–Detent | 2 |
| * | 82–8520 | Detent Assembly Kit (Incl. Ref. #24–29, 31 & 32) | 2 |
| * | 95–5645 | Kit–Seal | 10 |
| * | 95–5642 | Kit–Seal | 3 |

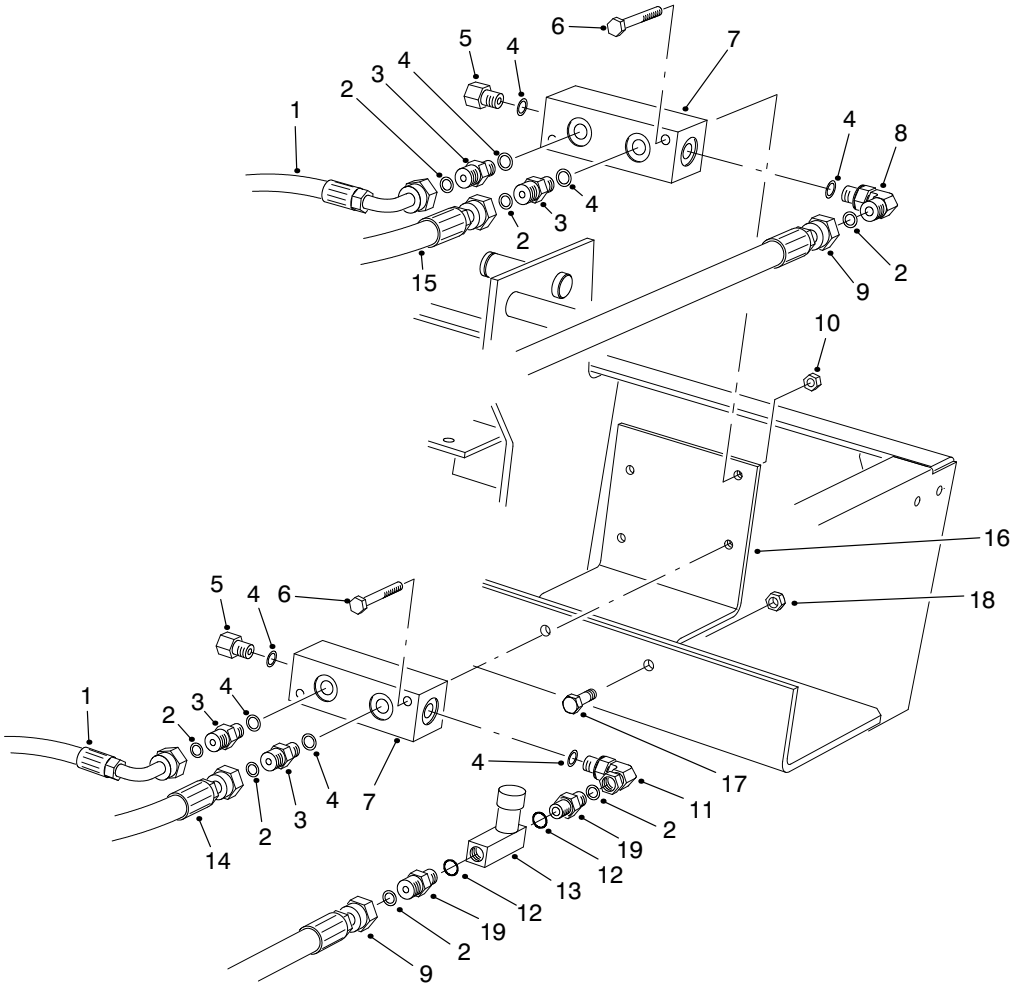
*Not Illustrated
†Not Serviceable Separately




# FRONT HYDRAULIC MANIFOLDS

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−4584 | Asm−Hose, Drain | 1 |
| 2 | 237−21 | O−Ring | 7 |
| 3 | 340−132 | Fitting−Hydraulic 90˚ (Incl. Ref. #2 & 4) | 3 |
| 4 | 237−78 | O−Ring | 7 |
| 5 | 321−18 | Screw−HH | 4 |
| 6 | 93−6693 | Decal−Floor Plate | 1 |
| 7 | 93−6686 | Decal−Oil | 1 |
| 8 | 38−3400 | Guard−Rubber | 2 |
| 9 | 75−5940 | Hose−Hydraulic | 1 |
| 10 | 75−5890 | Hose−Hydraulic | 1 |
| 11 | 75−5910 | Hose−Hydraulic | 1 |
| 12 | 93−0118 | Hose−Hydraulic | 1 |
| 13 | 93−0119 | Hose−Hydraulic | 1 |
| 14 | 237−22 | O−Ring | 2 |
| 15 | 340−2 | Fitting−Hydraulic Straight (Incl. Ref. #14 & 16) | 2 |
| 16 | 237−42 | O−Ring | 2 |
| 17 | 93−0139 | Manifold−Hydraulic | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 18 | 93−0143 | Cartridge−Relief 250 psi (Use Seal Kit #75−2080) | 1 |
| 19 | 93−7960 | Spacer | 4 |
| 20 | 82−8170 | Clamp−Rubber | 4 |
| 21 | 3296−42 | Nut−Lock | 4 |
| 22 | 92−9096 | Hose−Hydraulic | 1 |
| 23 | 75−1180 | Manifold−Hydraulic | 1 |
| 24 | 98−4587 | Hose Asm−Drain #4 | 1 |
| 25 | 98−4590 | Hose Asm−Drain #1 | 1 |
| 26 | 340−92 | Fitting−Hydraulic Straight (Incl. Ref. #2 & 4) | 4 |
| 27 | 340−77 | Fitting−Hydraulic 90˚ (Incl. Ref. #14 & 16) | 1 |
| 28 | 93−7961 | Clamp | 2 |
| 29 | 322−13 | Screw−HH | 4 |
| 30 | 3296−29 | Nut−Lock | 4 |
| 31 | 3256−70 | Washer−Flat | 4 |

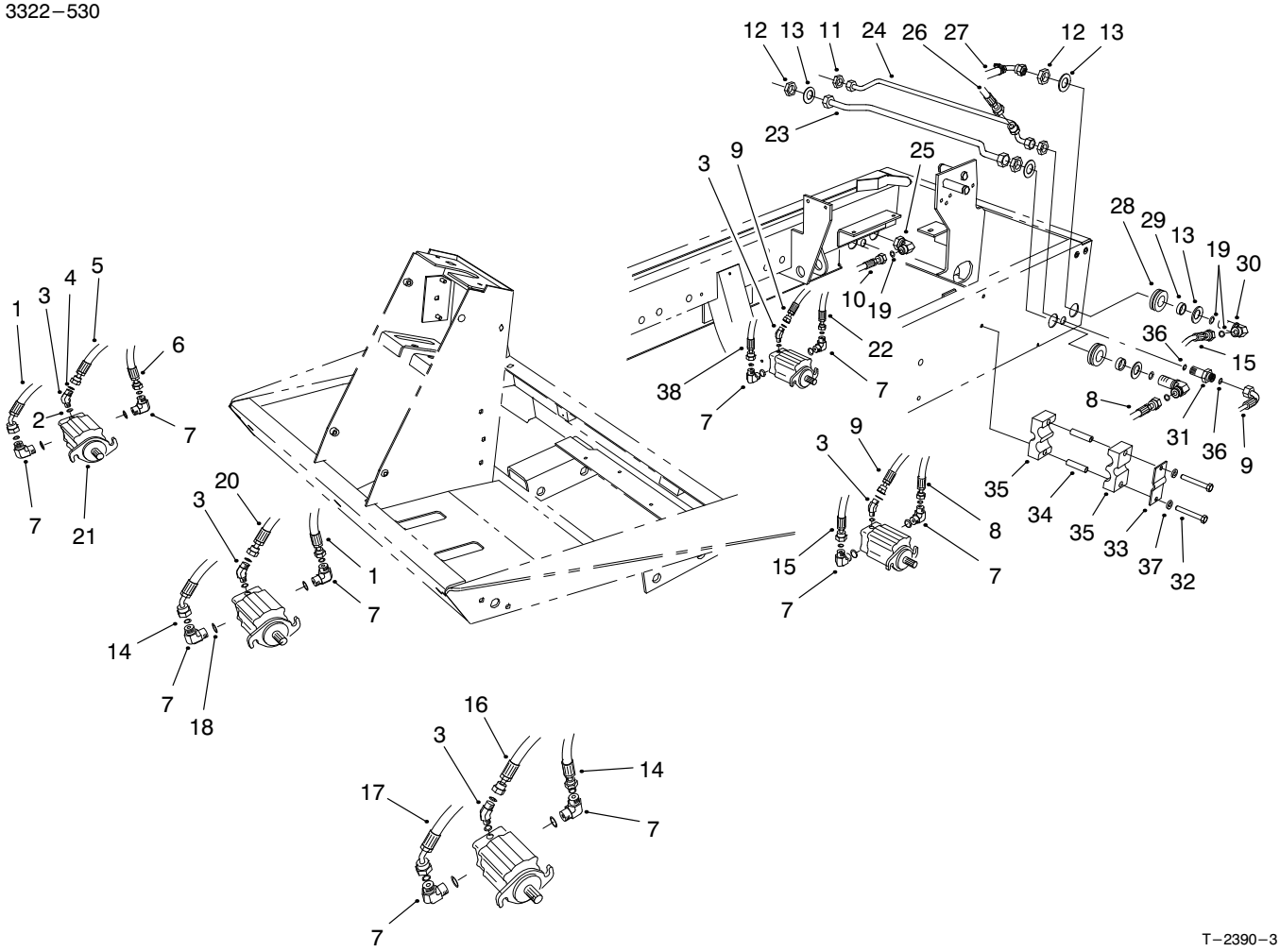



T–1095–4

# REAR HYDRAULIC MANIFOLDS

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 75–6180 | Hose–Hydraulic | 2 |
| 2 | 237–21 | O–Ring | 7 |
| 3 | 340–92 | Fitting–Hydraulic Straight (Incl. Ref. #2 & 4) | 4 |
| 4 | 237–78 | O–Ring | 8 |
| 5 | 353–512 | Fitting–Hydraulic Plug (Incl. Ref. #4) | 2 |
| 6 | 321–11 | Screw–HH | 4 |
| 7 | 75–1180 | Manifold | 2 |
| 8 | 340–132 | Fitting–Hydraulic 90° (Incl. Ref. #2 & 4) | 1 |
| 9 | 93–0118 | Hose–Hydraulic | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 10 | 32128–33 | Nut–Lock | 4 |
| 11 | 340–143 | Fitting–Hydraulic 90° (Incl. Ref. #4) | 1 |
| 12 | 237–42 | O–Ring | 2 |
| 13 | 98–9742 | Valve–Flow Control | 1 |
| 14 | 75–6080 | Hose–Hydraulic | 1 |
| 15 | 75–6070 | Hose–Hydraulic | 1 |
| 16 | 94–4920 | Plate–Mounting Valve | 1 |
| 17 | 322–5 | Screw–HH | 2 |
| 18 | 32128–20 | Nut–Flange Lock | 2 |
| 19 | 340–1 | Fitting–Hydraulic Straight (Incl. Ref. #2 & 12) | 2 |

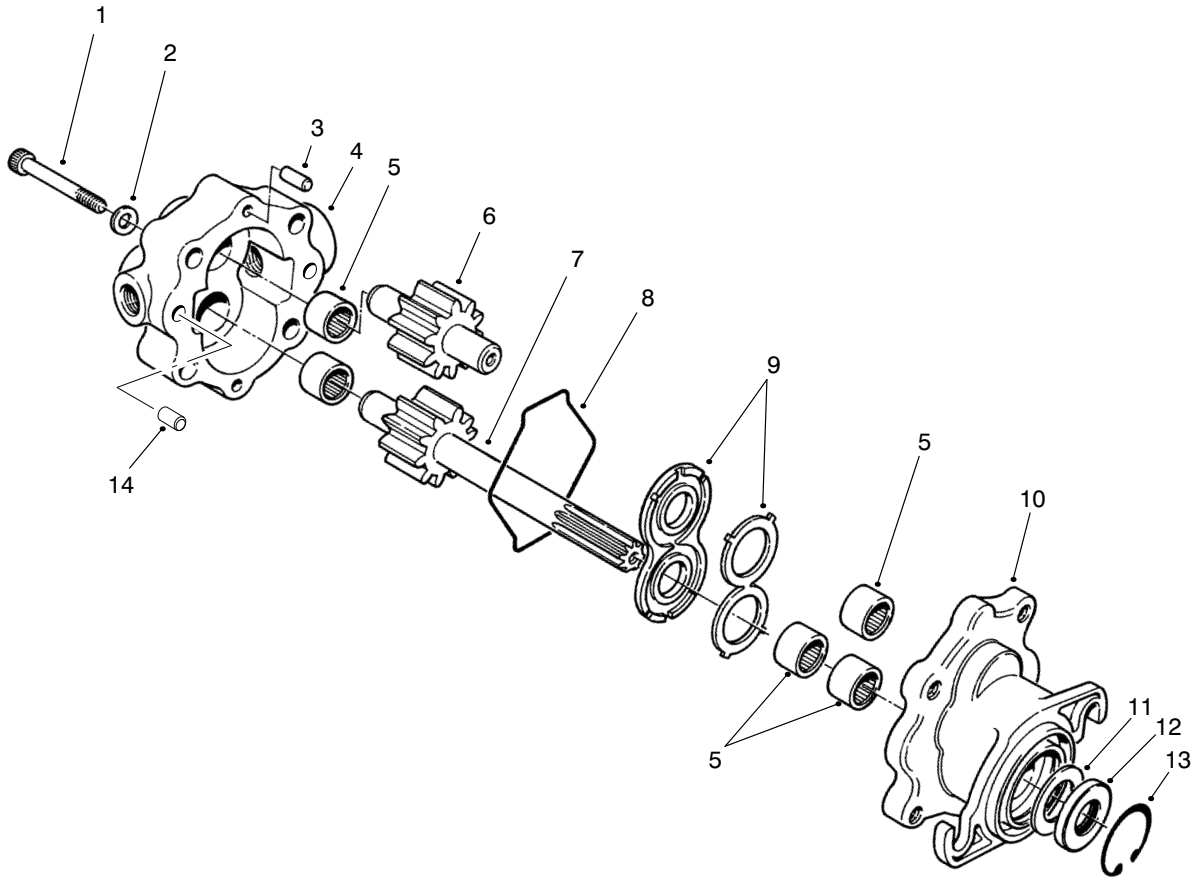



# CUTTING UNIT HYDRAULIC COMPONENTS

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−4585 | Asm−Hose, Pressure #1, 5 | 1 |
| 2 | 237−78 | O−Ring | 5 |
| 3 | 340−103 | Fitting−Hydraulic 45˚ (Incl. Ref. #2 & 4) | 5 |
| 4 | 237−21 | O−Ring | 5 |
| 5 | 98−4584 | Asm−Hose, Drain #5 | 1 |
| 6 | 98−4586 | Asm−Hose, Pressure #5 | 1 |
| 7 | 340−98 | Fitting−Hydraulic 90˚ (Incl. Ref. #18 & 19) | 10 |
| 8 | 98−4581 | Asm−Hose, Pressure #2 | 1 |
| 9 | 98−4583 | Asm−Hose, Drain #2, 3 | 2 |
| 10 | 98−9347 | Asm−Hose, Pressure #3 | 1 |
| 11 | 340−70 | Nut−Bulkhead | 2 |
| 12 | 340−127 | Nut−Bulkhead | 4 |
| 13 | 69−8930 | Washer−Flat | 8 |
| 14 | 98−4588 | Asm−Hose, Pressure #1, 4 | 1 |
| 15 | 98−4582 | Asm−Hose, Pressure #2 | 1 |
| 16 | 98−4587 | Asm−Hose, Drain #4 | 1 |
| 17 | 98−4589 | Asm−Hose, Pressure #4 | 1 |
| 18 | 237−79 | O−Ring | 10 |
| 19 | 237−30 | O−Ring | 19 |
| 20 | 98−4590 | Asm−Hose, Drain #1 | 1 |
| 21 | 93−1375 | Motor−Hydraulic | 5 |
| 22 | 98−9344 | Asm−Hose, Hydraulic | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 94−4918 | Asm−Tube, Pressure #2, 3 | 1 |
| 24 | 94−4917 | Asm−Tube, Drain #2, 3 | 1 |
| 25 | 94−6031 | Fitting−Hydraulic (Incl. Ref. #19) | 1 |
| 26 | 94−4916 | Asm−Hose, Drain, Return | 1 |
| 27 | 98−9348 | Asm−Hose, Pressure #2 | 1 |
| 28 | 240−5 | Grommet−Rubber | 4 |
| 29 | 69−8960 | Spacer | 4 |
| 30 | 93−9151 | Fitting−Hydraulic (Incl. Ref. #19) | 4 |
| 31 | 340−71 | Fitting−Hydraulic (Incl. Ref. #36) | 2 |
| 32 | 32144−58 | Screw−HSH | 4 |
| 33 | 93−7961 | Clamp−Case Drain | 2 |
| 34 | 93−7960 | Spacer | 4 |
| 35 | 82−8170 | Clamp | 4 |
| 36 | 237−22 | O−Ring | 4 |
| 37 | 3256−70 | Washer−Flat | 4 |
| 38 | 98−9343 | Asm−Hose, Hydraulic | 1 |
| * | 3290−378 | Tie−Cable | 4 |
| * | 98−9761 | Kit−Hydraulic Hose (Incl. Ref. #1, 6, 8, 14−15 & 17) | 1 |

*Not Illustrated



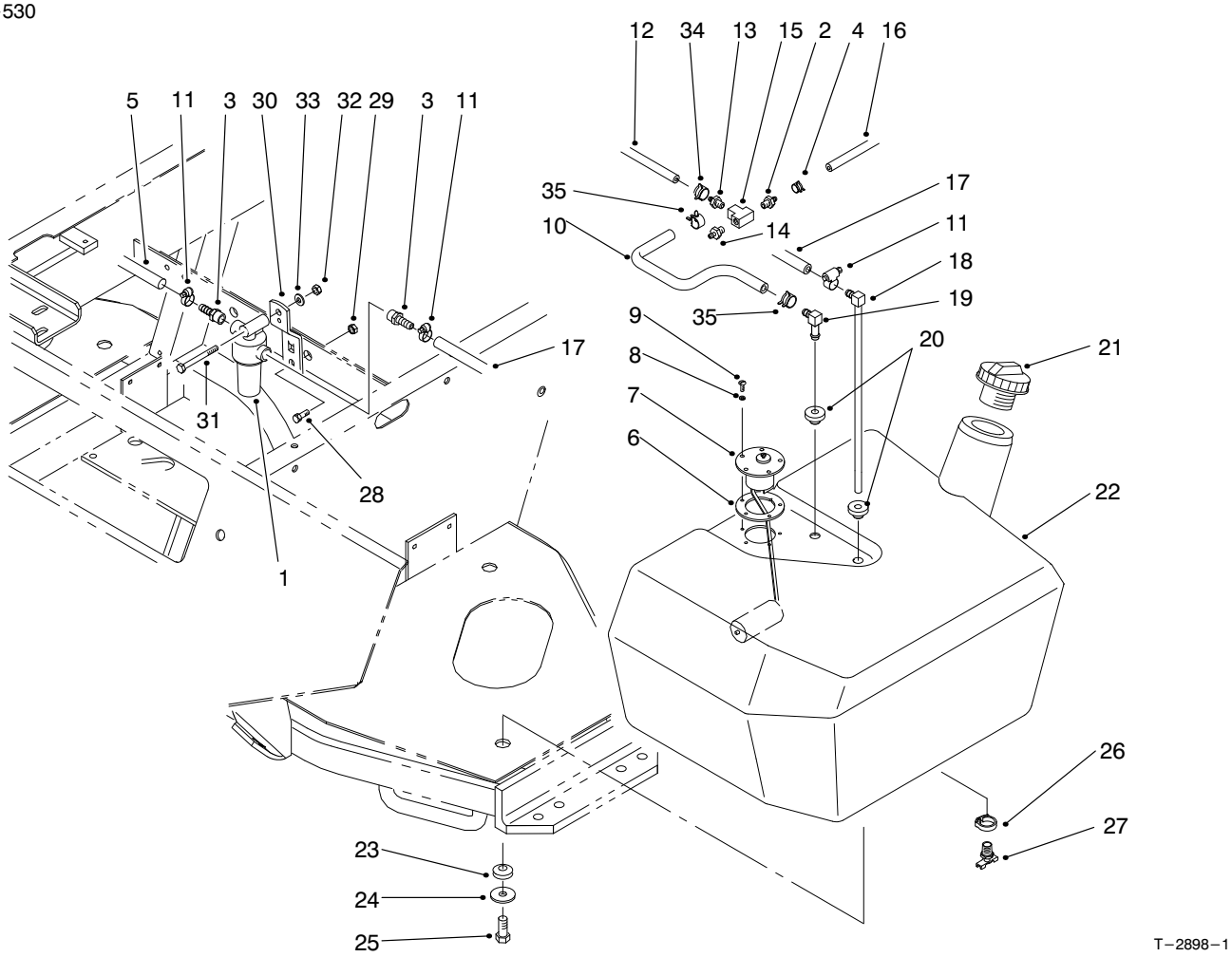

T–1872–1

# REEL MOTOR ASSEMBLY NO. 93–1375

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 354–50 | Screw–HSH | 4 |
| 2 | 354–51 | Washer | 4 |
| 3 | 353–599 | Pin–Dowel | 2 |
| 4 | 93–3614 | Asm–Cover (Incl. Ref. #5) | 1 |
| †5 | | Bearing–Needle | 5 |
| 6 | 93–3616 | Asm–Idler Gear | 1 |
| 7 | 93–3615 | Asm–Drive Shaft | 1 |
| 8 | 354–46 | Ring–Seal | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 74–3810 | Asm–Load Plate | 1 |
| 10 | 92–8795 | Asm–Body (Incl. Ref. #5) | 1 |
| †11 | | Spacer | 1 |
| †12 | | Seal–Shaft | 1 |
| 13 | 32151–41 | Ring–Retaining | 1 |
| 14 | 92–8796 | Pin–Dowel | 2 |
| * | 92–8863 | Kit–Repair (Incl. Ref. #8, & 11–13) | 1 |

*Not Illustrated

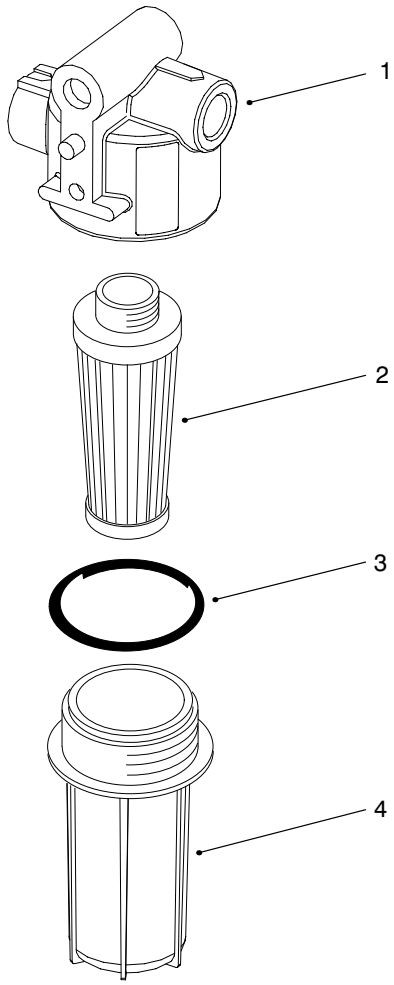



# FUEL TANK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8351 | Filter−Fuel | 1 |
| 2 | 304−73 | Fitting−Barbed | 1 |
| 3 | 353−783 | Fitting−Fuel | 1 |
| 4 | 2412−98 | Clamp−Hose | 1 |
| 5 | 63−7610 | Hose−Fuel | 1 |
| 6 | 62−7650 | Gasket−Sending Unit | 1 |
| 7 | 63−7640 | Unit−Sending | 1 |
| 8 | 3253−15 | Washer−Lock | 5 |
| 9 | 32122−24 | Screw−Round Hd. | 5 |
| 10 | 93−2042 | Hose−Fuel | 1 |
| 11 | 2412−108 | Clamp−Hose | 4 |
| 12 | 75−4700 | Hose−Fuel | 1 |
| 13 | 354−22 | Fitting−Fuel, Straight | 1 |
| 14 | 354−21 | Fitting−Fuel Straight | 1 |
| 15 | 354−20 | Fitting−Fuel Tee | 1 |
| 16 | 98−9338 | Hose−Fuel | 1 |
| 17 | 95−4276 | Hose−Fuel | 1 |
| 18 | 66−8121 | Standpipe−Elbow 90˚ | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 19 | 46−6550 | Connector−Fuel, Elbow 90˚ | 1 |
| 20 | 46−6560 | Grommet | 2 |
| 21 | 93−3102 | Cap−Fuel Tank | 1 |
| 22 | 94−3510 | Asm−Fuel Tank (Incl. Ref. #26−27) | 1 |
| 23 | 240−11 | Grommet | 3 |
| 24 | 63−8410 | Washer−Flat | 3 |
| 25 | 33103−025 | Screw−HHF | 3 |
| 26 | 2412−36 | Clamp−Drain | 1 |
| 27 | 304−46 | Fitting−Drain | 1 |
| 28 | 322−4 | Screw−HH | 1 |
| 29 | 3296−29 | Nut−Lock | 1 |
| 30 | 98−9748 | Support−Bracket, Filter | 1 |
| 31 | 321−8 | Screw−HH | 1 |
| 32 | 3296−42 | Nut−Lock | 1 |
| 33 | 3256−22 | Washer−Flat | 1 |
| 34 | 2412−146 | Clamp−Spring | 2 |
| 35 | 92−2379 | Clamp | 2 |

*Not Illustrated
†Not Serviced Separately

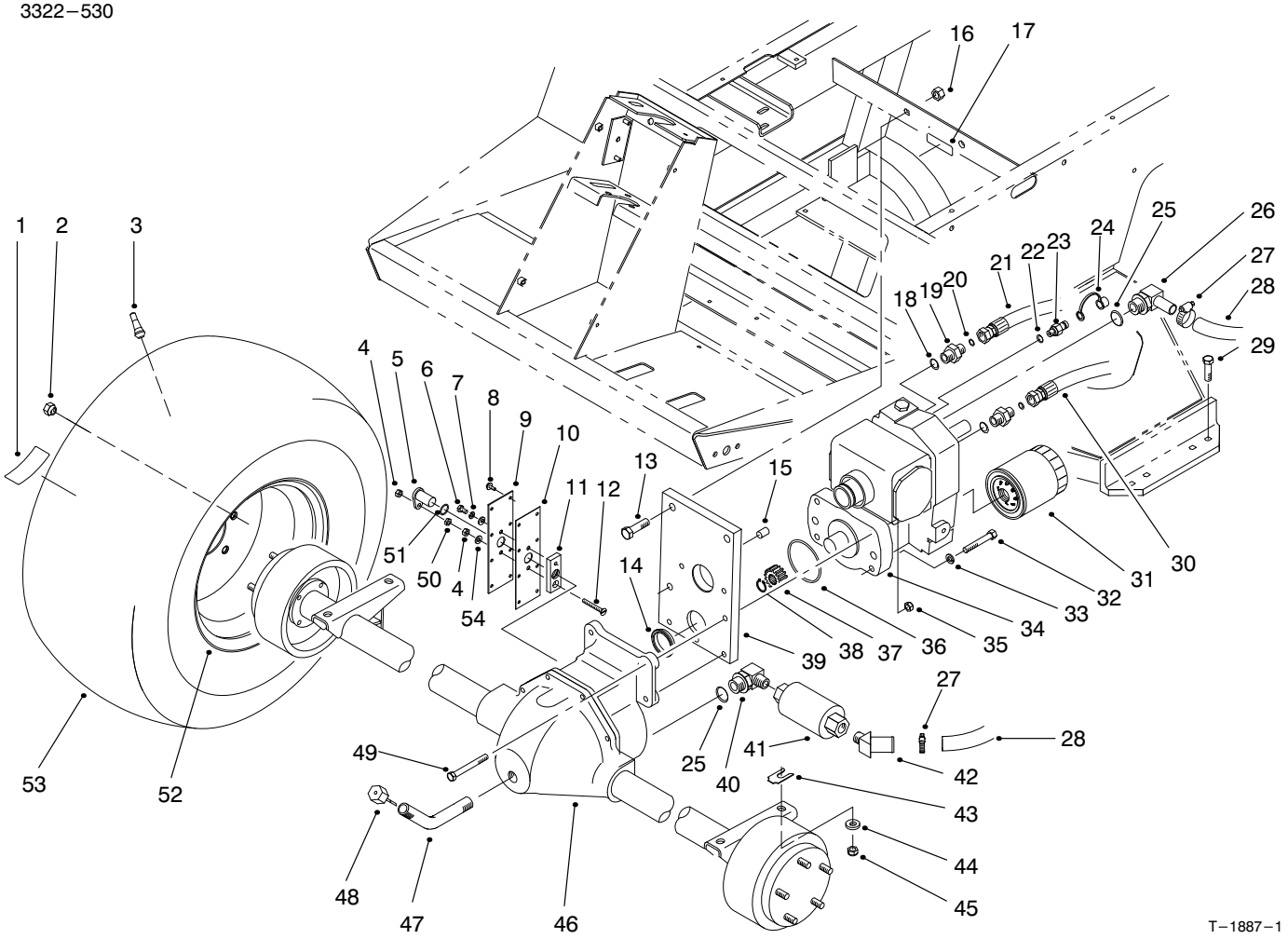



T−3100

# FUEL FILTER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8356 | Kit−Head, W/Label | 1 |
| 2 | 99−8358 | Kit−Element (Incl. Ref. #3) | 1 |

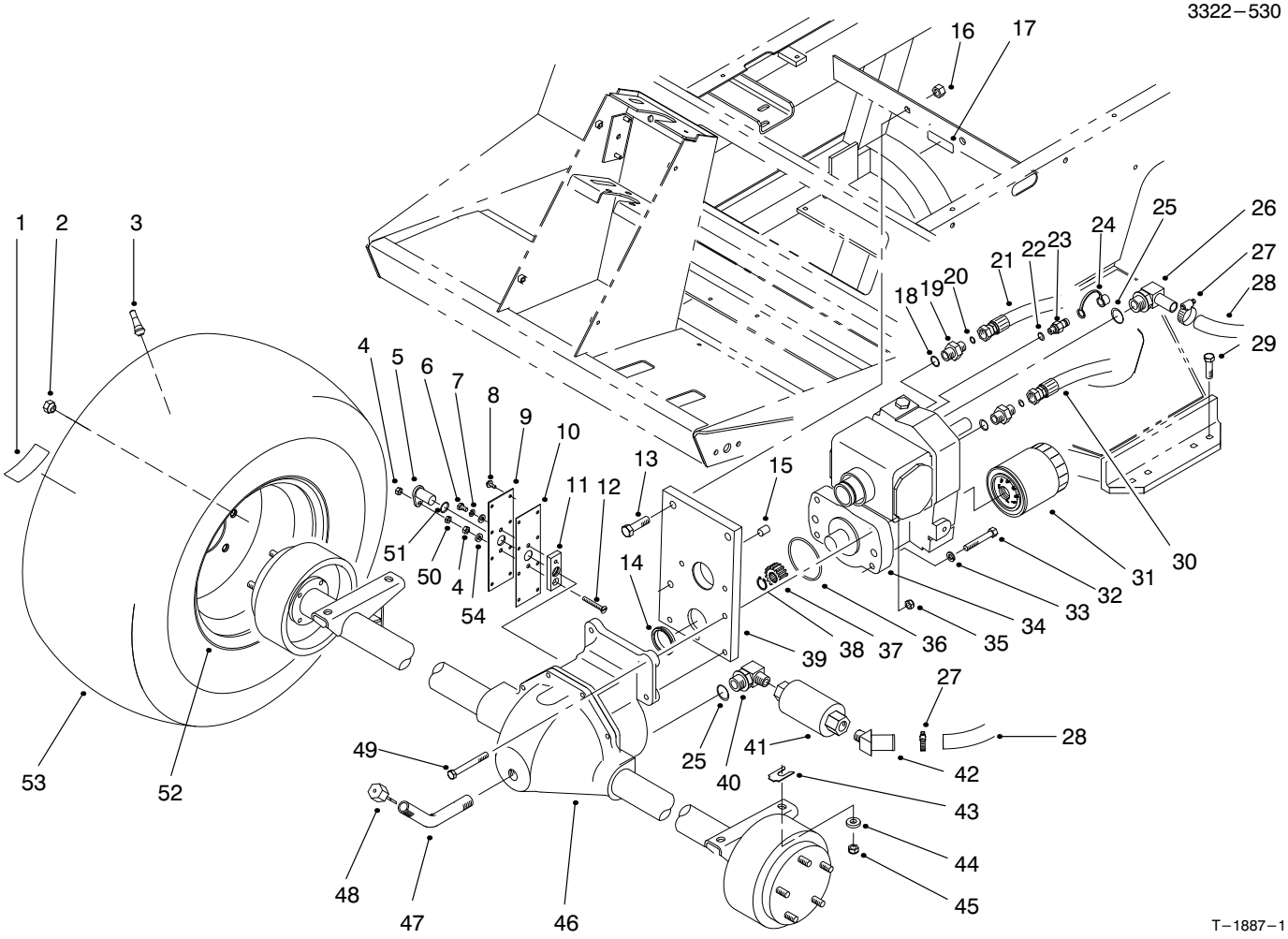
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 3 | 99−8359 | O−Ring | 1 |
| 4 | 99−8357 | Kit−Bowel (Incl. Ref. #3) | 1 |




# FRONT AXLE & TRANSMISSION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 76–8730 | Decal–Bolt Torque | 2 |
| 2 | 23–7270 | Nut–Lug | 10 |
| 3 | 232–27 | Stem–Valve | 2 |
| 4 | 3296–56 | Nut–Lock | 2 |
| 5 | 85–4350 | Sensor–Gear Tooth | 1 |
| 6 | 321–2 | Screw–HH | 1 |
| 7 | 3253–3 | Washer–Lock | 1 |
| 8 | 32144–112 | Screw–HH | 8 |
| 9 | 85–4330 | Cover–Gear | 1 |
| 10 | 92–5797 | Gasket–Axle | 1 |
| 11 | 85–4340 | Plate–Sensor Mounting | 1 |
| 12 | 32108–9 | Screw–Machine | 1 |
| 13 | 325–7 | Screw–HH | 2 |
| 14 | 75–3110 | Collar–Transmission | 1 |
| 15 | 92–4808 | Sleeve–Trans. Pilot | 1 |
| 16 | 3296–23 | Nut–Lock | 2 |
| 17 | 93–6691 | Decal–Bolt | 1 |
| 18 | 237–79 | O–Ring | 2 |
| 19 | 340–3 | Fitting–Hydraulic, Straight (Incl. Ref. #18 & 20) | 2 |
| 20 | 237–22 | O–Ring | 2 |
| 21 | 93–0076 | Hose–Hydraulic | 1 |
| 22 | 237–78 | O–Ring | 1 |
| 23 | 354–77 | Fitting–Hydraulic Test Port (Incl. Ref. #22) | 1 |
| 24 | 354–79 | Cap–Test Port | 1 |

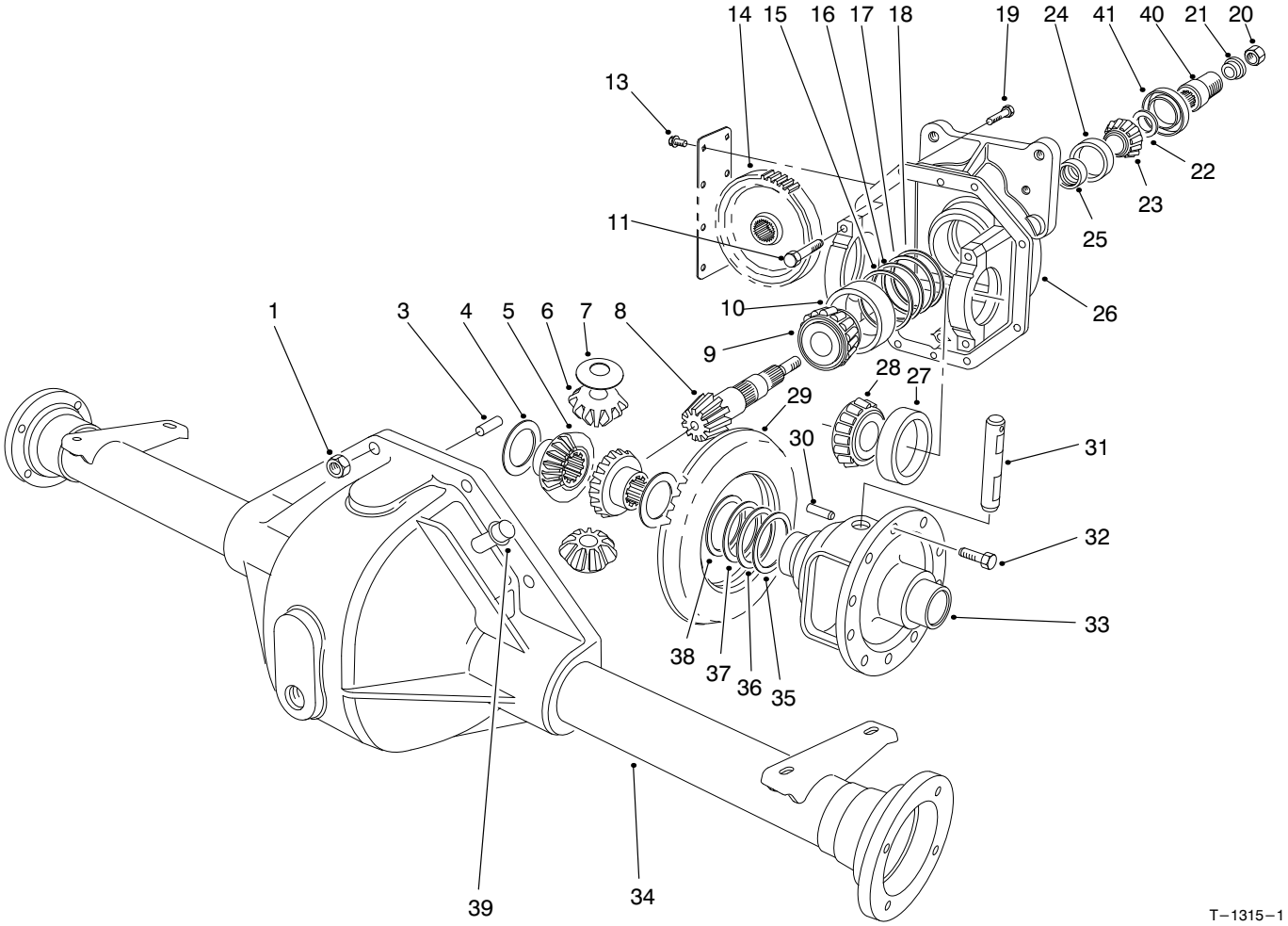
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 25 | 237–81 | O–Ring | 2 |
| 26 | 75–4720 | Fitting–Hydraulic 90° (Incl. Ref. #25) | 1 |
| 27 | 2412–129 | Clamp–Hose | 2 |
| 28 | 75–6350 | Hose | 1 |
| 29 | 324–7 | Screw–HH | 4 |
| 30 | 93–0075 | Hose–Hydraulic | 1 |
| 31 | 75–1330 | Filter–Oil | 1 |
| 32 | 323–12 | Screw–HH | 2 |
| 33 | 3253–21 | Washer–Lock | 2 |
| 34 | 75–0012 | Asm–Transmission | 1 |
| 35 | 3296–39 | Nut–Lock | 2 |
| 36 | 237–161 | O–Ring | 1 |
| 37 | 86–7220 | Gear–Pinion | 1 |
| 38 | 32151–62 | Ring–Retaining | 1 |
| 39 | 92–4846 | Asm–Trans. Support (Incl. Ref. #14 & 15) | 1 |
| 40 | 354–75 | Fitting–Hydraulic 90° (Incl. Ref. #25) | 1 |
| 41 | 75–6340 | Strainer–In–Line | 1 |
| 42 | 354–72 | Fitting–Hydraulic 45° | 1 |
| 43 | 42–6080 | Shim–Axle | A/R |
| 44 | 66–6480 | Washer–Flat | 4 |
| 45 | 3296–48 | Nut–Lock | 4 |
| 46 | 94–6933 | Asm–Front Axle | 1 |
| 47 | 75–6850 | Tube–Oil Fill | 1 |




# FRONT AXLE & TRANSMISSION ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 48 | 27–3710 | Dipstick–Axle | 1 |
| 49 | 323–20 | Screw–HH | 2 |
| 50 | 3218–1 | Nut–Jam | 1 |
| 51 | 237–181 | O–Ring | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 52 | 217–120 | Rim | 2 |
| 53 | 231–134 | Tire | 2 |
| 54 | 3256–22 | Washer–Flat | 2 |

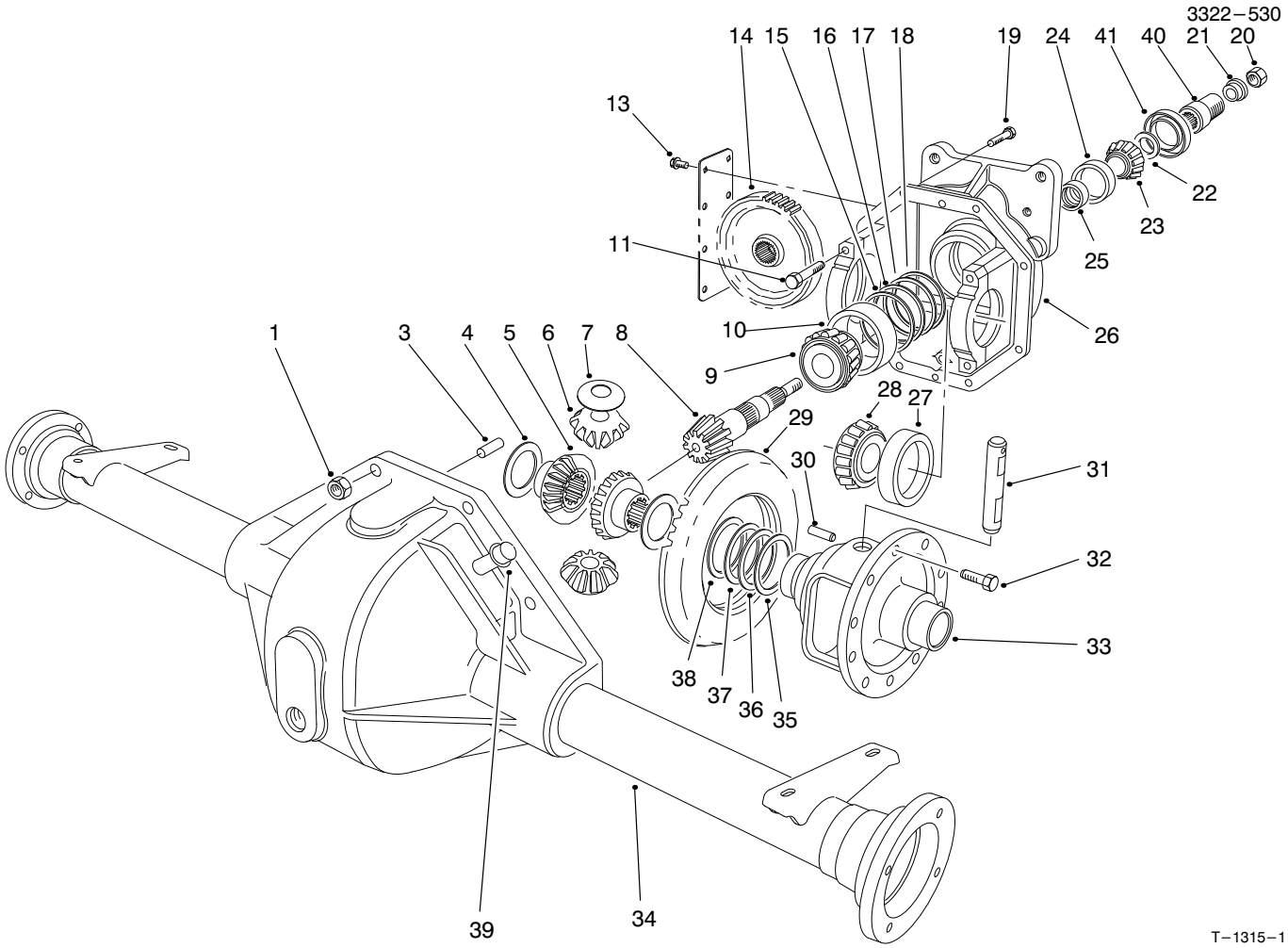



# FRONT AXLE ASSEMBLY NO. 94–6933

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 32144–5 | Nut | 8 |
| 3 | 21–8270 | Pin–Dowel | 2 |
| 4 | 21–7720 | Washer–Thrust | 2 |
| 5 | 24–8790 | Gear–Bevel, Differential | 2 |
| 6 | 21–7690 | Gear–Pinion | 2 |
| 7 | 21–7730 | Washer–Thrust | 2 |
| †8 | | Pinion–Drive | 1 |
| 9 | 43–6760 | Cone–Bearing, tapered | 1 |
| 10 | 43–6750 | Cup–Bearing, Tapered | 1 |
| 11 | 92–1773 | Screw–HH | 4 |
| 13 | 32144–112 | Screw–Thread Forming | 8 |
| 14 | 86–7230 | Gear–Spur | 1 |
| 15 | 43–6710 | Diff. Adjust. Shim .003 | A/R |
| 16 | 43–6711 | Diff. Adjust. Shim .005 | A/R |
| 17 | 43–6712 | Diff. Adjust. Shim .010 | A/R |
| 18 | 43–6713 | Diff. Adjust. Shim .030 | A/R |
| 19 | 3210–8 | Screw–HH | 8 |
| 20 | 71–4350 | Nut | 1 |
| 21 | 83–5130 | Spacer–Pinion | 1 |
| 22 | 72–3570 | Shim .094–Diff. Adjust. | A/R |
| * | 72–3571 | Shim .096–Diff. Adjust. | A/R |
| * | 72–3572 | Shim .098–Diff. Adjust. | A/R |
| 22 | 72–3573 | Shim .100–Diff. Adjust. | A/R |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| * | 72–3574 | Shim .102–Diff. Adjust. | A/R |
| * | 72–3575 | Shim .104–Diff. Adjust. | A/R |
| * | 72–3576 | Shim .106–Diff. Adjust. | A/R |
| * | 72–3577 | Shim .108–Diff. Adjust. | A/R |
| * | 72–3578 | Shim .110–Diff. Adjust. | A/R |
| * | 72–3580 | Shim .112–Diff. Adjust. | A/R |
| * | 72–3581 | Shim .114–Diff. Adjust. | A/R |
| * | 72–3582 | Shim .116–Diff. Adjust. | A/R |
| * | 72–3583 | Shim .118–Diff. Adjust. | A/R |
| * | 72–3584 | Shim .120–Diff. Adjust. | A/R |
| * | 72–3585 | Shim .125–Diff. Adjust. | A/R |
| * | 72–3586 | Shim .127–Diff. Adjust. | A/R |
| * | 72–3587 | Shim .129–Diff. Adjust. | A/R |
| * | 72–3588 | Shim .131–Diff. Adjust. | A/R |
| * | 72–3590 | Shim .133–Diff. Adjust. | A/R |
| * | 72–3591 | Shim .135–Diff. Adjust. | A/R |
| * | 72–3592 | Shim .137–Diff. Adjust. | A/R |
| * | 72–3593 | Shim .139–Diff. Adjust. | A/R |
| * | 72–3594 | Shim .141–Diff. Adjust. | A/R |
| * | 72–3595 | Shim .143–Diff. Adjust. | A/R |
| * | 72–3596 | Shim .145–Diff. Adjust. | A/R |
| * | 72–3597 | Shim .147–Diff. Adjust. | A/R |
| * | 72–3598 | Shim .149–Diff. Adjust. | A/R |

*Not Illustrated
†Not Serviced Separately



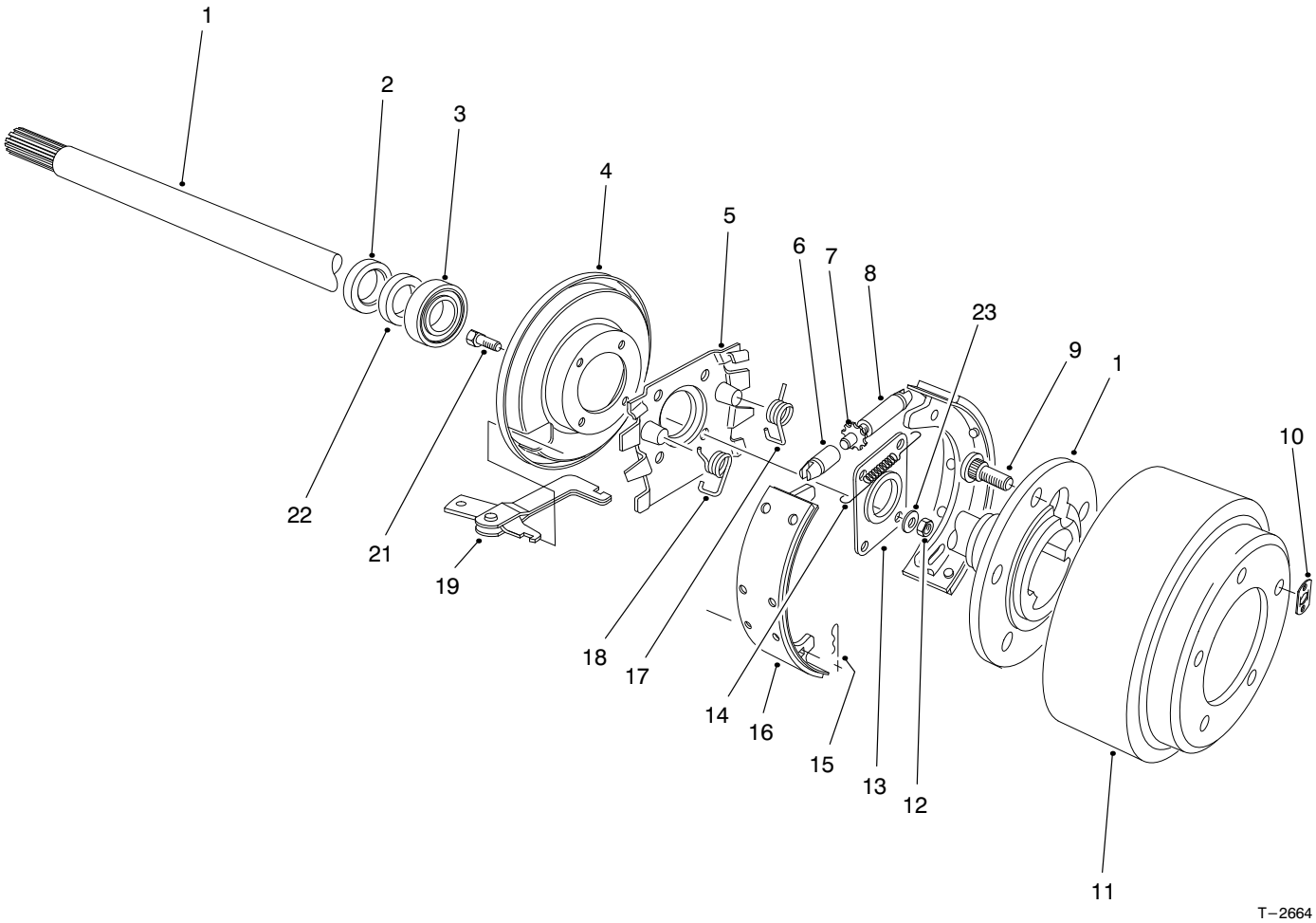

# FRONT AXLE ASSEMBLY NO. 94–6933 (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 22 | 72–3600 | Shim .151–Diff. Adjust. | A/R |
| 23 | 254–91 | Cone–Bearing | 1 |
| 24 | 21–8390 | Cup–Bearing | 1 |
| 25 | 21–8020 | Spacer–Front Pinion | 1 |
| 26 | 93–3619 | Upper Housing (Incl. Ref. #11) | 1 |
| 27 | 254–66 | Cup–Tapered Bearing | 2 |
| 28 | 254–65 | Cone–Tapered Bearing | 2 |
| †29 | | Gear–Ring | 1 |
| 30 | 21–7710 | Pin–Roll | 1 |
| 31 | 21–7700 | Shaft–Pinion Mate | 1 |
| 32 | 21–7770 | Screw–Drive Gear | 5 |
| 33 | 21–7670 | Case–Differential | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 34 | 75–0721 | Housing–Lower | 1 |
| 35 | 21–8120 | Diff. Adjust. Shim .030 | A/R |
| 36 | 21–8110 | Diff. Adjust. Shim .010 | A/R |
| 37 | 21–8100 | Diff. Adjust. Shim .005 | A/R |
| 38 | 21–8090 | Diff. Adjust. Shim .003 | A/R |
| 39 | 72–9420 | Asm–Vent Tube | 1 |
| 40 | 83–4910 | Coupler–Pinion | 1 |
| 41 | 71–4330 | Seal | 1 |
| * | 93–3618 | Asm–Gear & Pinion (Incl. Ref. #8 & 29) | 1 |
| * | 93–3617 | Asm–Differential (Incl. Ref. #4–10, 14–33, 35–38, 40 & 41) | 1 |

*Not Illustrated
†Not Serviced Separately

3322−530

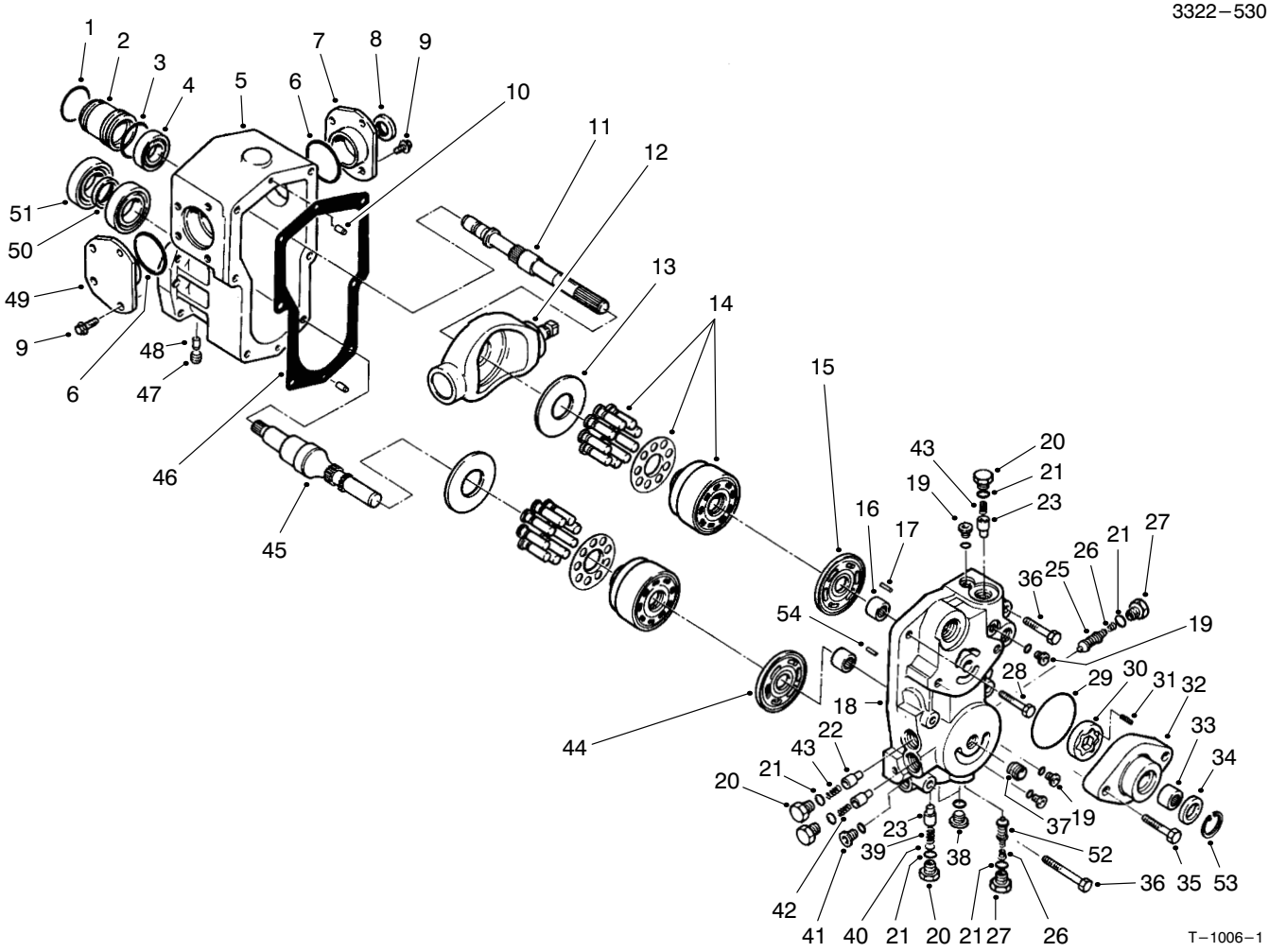



# BRAKE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 27−6862 | Shaft−Axle, Flanged LH | 1 |
| * | 27−6852 | Shaft−Axle, Flanged RH | 1 |
| 2 | 99−6969 | Seal−Oil | 2 |
| 3 | 21−8180 | Bearing | 2 |
| 4 | 21−9450 | Shield−Dust | 2 |
| 5 | 43−6810 | Spider−Torque | 2 |
| 6 | 21−9390 | Socket−Adjusting Screw | 2 |
| 7 | 21−9370 | Screw−Adjusting | 2 |
| 8 | 21−9380 | Nut−Pivot | 2 |
| 9 | 242−34 | Stud−Flange, Axle | 10 |
| 10 | 21−8360 | Clip−Retaining | 2 |
| 11 | 28−0680 | Drum−Brake | 2 |
| 12 | 94−6935 | Nut−Lock | 8 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 13 | 28−0670 | Seal−Oil | 2 |
| 14 | 21−9440 | Spring−Adjusting Screw | 2 |
| 15 | 21−9460 | Retainer−Brake, Parking | 4 |
| 16 | 84−8590 | Asm−Shoe & Lining | 4 |
| 17 | 21−9420 | Spring−Shoe Return, LH | 2 |
| 18 | 21−9430 | Spring−Shoe Return, RH | 2 |
| 19 | 24−9180 | Lever, Brake, Parking | 2 |
| 21 | 94−6934 | Screw−HSH | 8 |
| 22 | 24−8840 | Ring−Bearing, Wheel | 2 |
| 23 | 94−6936 | Washer−Flat | 8 |
| * | 84−8600 | Set of Lined Brake Shoes | 1 |
| * | 92−8775 | Kit−Gasket, Liquid | 1 |

*Not Illustrated

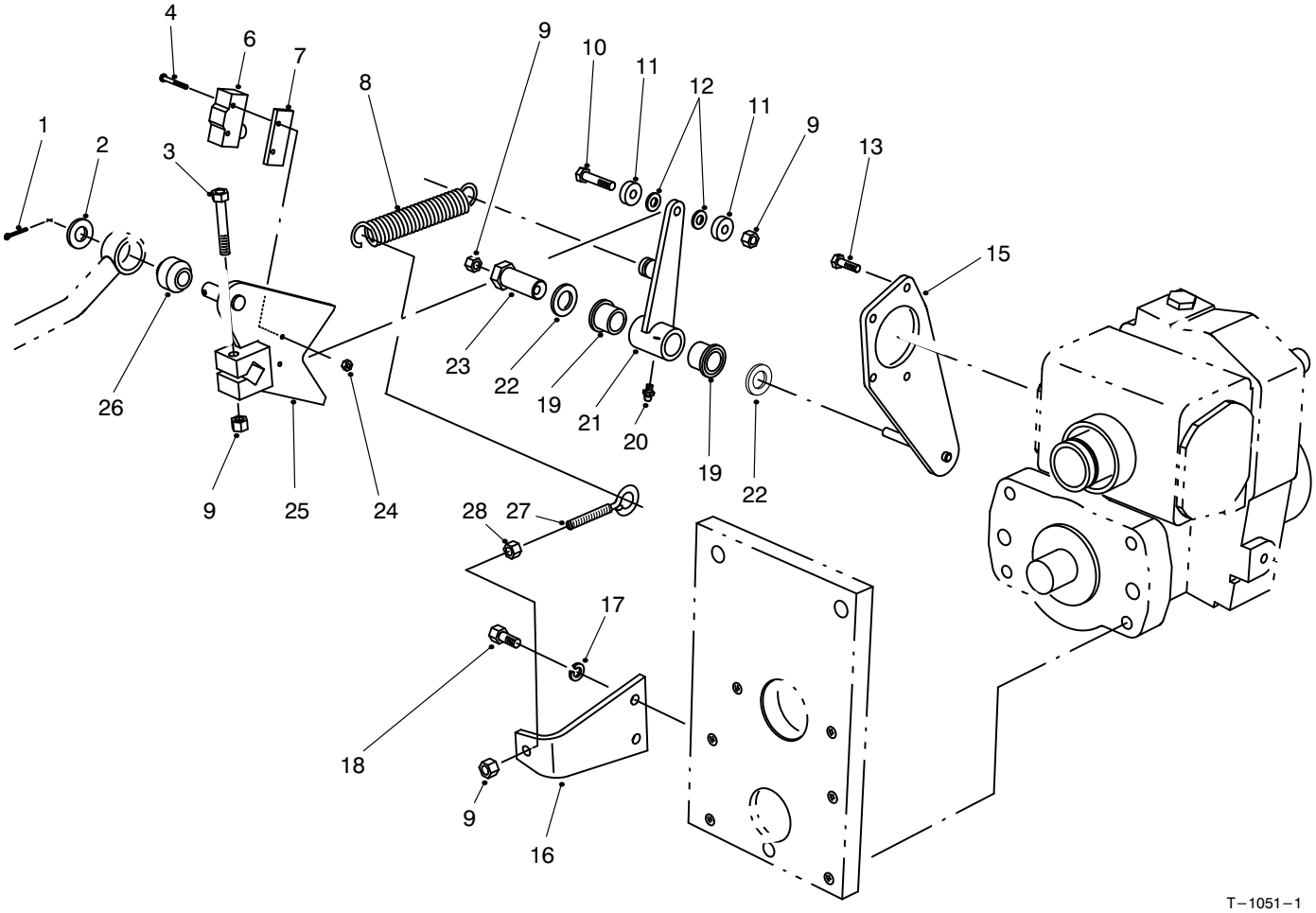



# TRANSMISSION ASSEMBLY NO. 75–0012

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 75–0430 | Ring–Retaining | 1 |
| 2 | 75–0150 | Guide–Seal | 1 |
| 3 | 75–0410 | O–Ring | 1 |
| 4 | 75–0520 | Bearing–Ball | 1 |
| 5 | 75–0020 | Housing | 1 |
| 6 | 75–0210 | O–Ring | 2 |
| 7 | 86–7520 | Asm–Trunnion Cover RH | 1 |
| 8 | 75–0230 | Seal–Lip | 1 |
| 9 | 75–0090 | Screw–HH | 8 |
| 10 | 75–0480 | Pin | 2 |
| 11 | 86–7540 | Shaft–Pump | 1 |
| 12 | 75–0390 | Plate–Swash | 1 |
| 13 | 75–0400 | Plate–Thrust | 2 |
| 14 | 75–0470 | Kit–Cylinder Block | 2 |
| 15 | 75–0380 | Plate–Valve | 1 |
| 16 | 75–0500 | Bearing–Needle | 2 |
| 17 | 75–0510 | Pin | 1 |
| 18 | 75–0040 | Center Section | 1 |
| 19 | 75–0170 | Plug–Straight Thread | 4 |
| 20 | 75–0060 | Plug | 4 |
| 21 | 75–0240 | O–Ring | 6 |
| 22 | 75–0290 | Spring | 2 |
| 23 | 75–0260 | Valve–Relief | 4 |
| 24 | 75–0130 | Screw–HH | 3 |
| 25 | 93–0097 | Valve–SCR | 1 |
| 26 | 75–0140 | Spring–Conical | 1 |
| 27 | 75–0190 | Plug–Special | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 28 | 75–0120 | Screw–HH | 1 |
| 29 | 75–0370 | O–Ring | 1 |
| 30 | 75–0360 | Gerotor | 1 |
| 31 | 75–0350 | Pin | 1 |
| 32 | 83–4780 | Housing–Charge Pump | 1 |
| 33 | 75–0340 | Bearing–Needle | 1 |
| 34 | 75–0330 | Seal–Lip | 1 |
| 35 | 75–0110 | Screw–HH | 2 |
| 36 | 75–0180 | Screw–HH | 2 |
| 37 | 75–0320 | Nipple | 1 |
| 38 | 75–0200 | Plug–Straight Thread | 2 |
| 39 | 75–0270 | Spring | 1 |
| 40 | 75–0310 | Shim | 1 |
| 41 | 75–0070 | Plug | 1 |
| 42 | 75–0280 | Spring | 1 |
| 44 | 93–0083 | Plate–Valve | 1 |
| 45 | 75–0440 | Shaft–Motor | 1 |
| 46 | 75–0030 | Gasket–Housing | 1 |
| 47 | 75–0160 | Plug–Pipe | 1 |
| 48 | 75–0220 | Pin | 2 |
| 49 | 86–7530 | Asm–Trunnion Cover LH | 1 |
| 50 | 75–0450 | Collar | 1 |
| 51 | 75–0460 | Bearing–Ball | 2 |
| 52 | 75–6930 | Valve–SCR | 1 |
| 53 | 32120–74 | Ring–Retaining | 1 |
| 54 | 75–0250 | Pin–Slotted | 1 |

*Not Illustrated

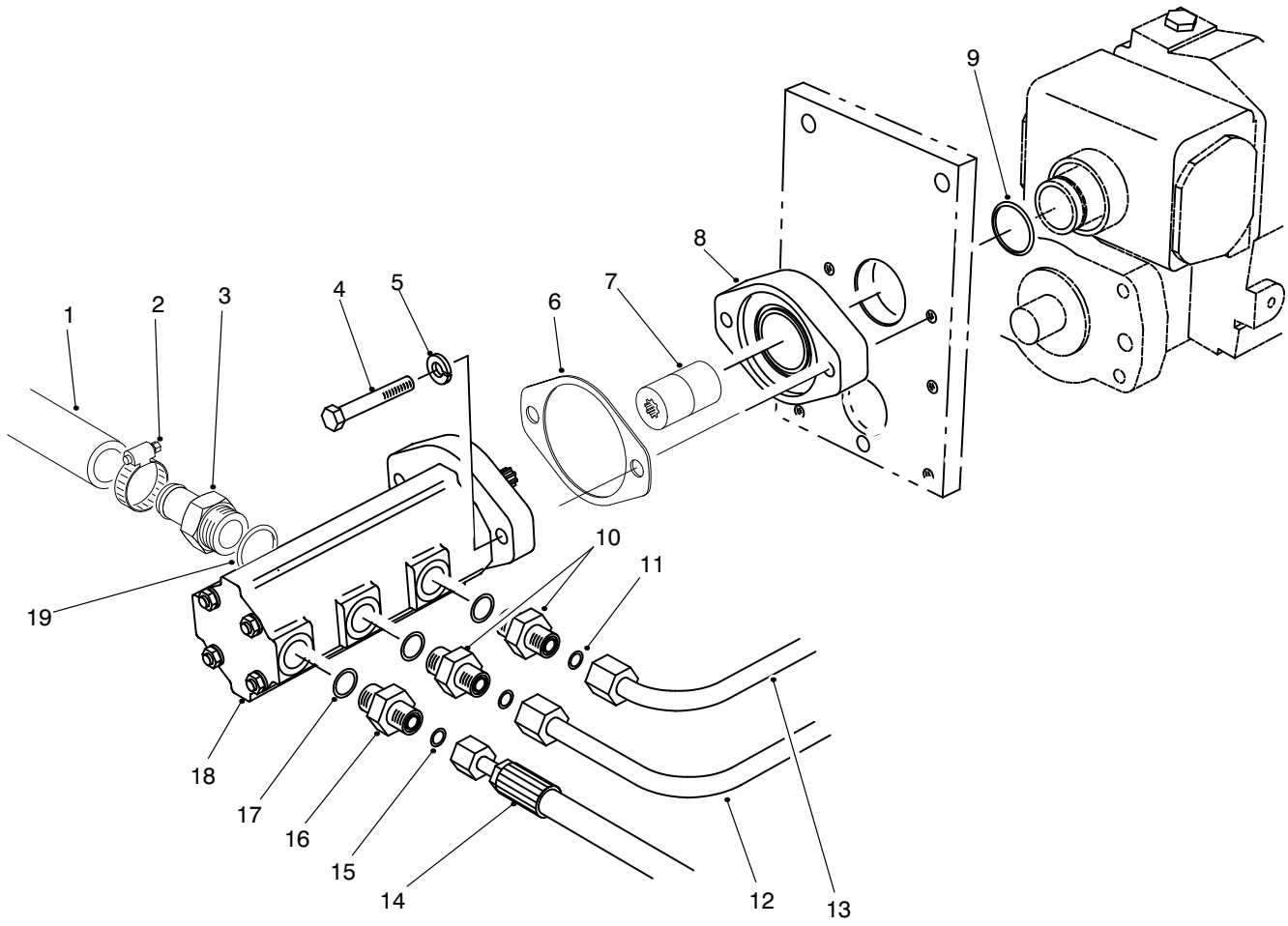



# TRACTION CONTROL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3272−10 | Pin−Cotter | 1 |
| 2 | 3256−26 | Washer−Flat | 1 |
| 3 | 322−10 | Screw−HH | 1 |
| 4 | 32105−21 | Screw | 2 |
| 6 | 29−6162 | Switch−Neutral | 1 |
| 7 | 75−4130 | Plate−Switch | 1 |
| 8 | 76−9430 | Spring−Extension | 1 |
| 9 | 3296−29 | Nut−Lock | 4 |
| 10 | 322−7 | Screw−HH | 1 |
| 11 | 251−259 | Bearing−Ball | 2 |
| 12 | 75−5470 | Spacer | 2 |
| 13 | 32144−22 | Screw−HH | 4 |
| 15 | 75−4080 | Plate−Traction | 1 |
| 16 | 85−9900 | Plate−Spring Anchor | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 17 | 3253−4 | Washer−Lock | 2 |
| 18 | 322−3 | Screw−HH | 2 |
| 19 | 256−113 | Bushing−Flange | 2 |
| 20 | 302−5 | Fitting−Grease | 1 |
| 21 | 92−2581 | Asm−Switch Arm (Incl. Ref. #19 & 20) | 1 |
| 22 | 3−6498 | Washer−Thrust | 2 |
| 23 | 76−8640 | Stud−Traction | 1 |
| 24 | 3296−9 | Nut−Hex. | 2 |
| 25 | 75−4100 | Control−Pump | 1 |
| 26 | 23−2270 | Bushing−Rubber | 1 |
| 27 | 85−9910 | Eyebolt | 1 |
| 28 | 3217−6 | Nut−Hex. | 1 |

3322–530

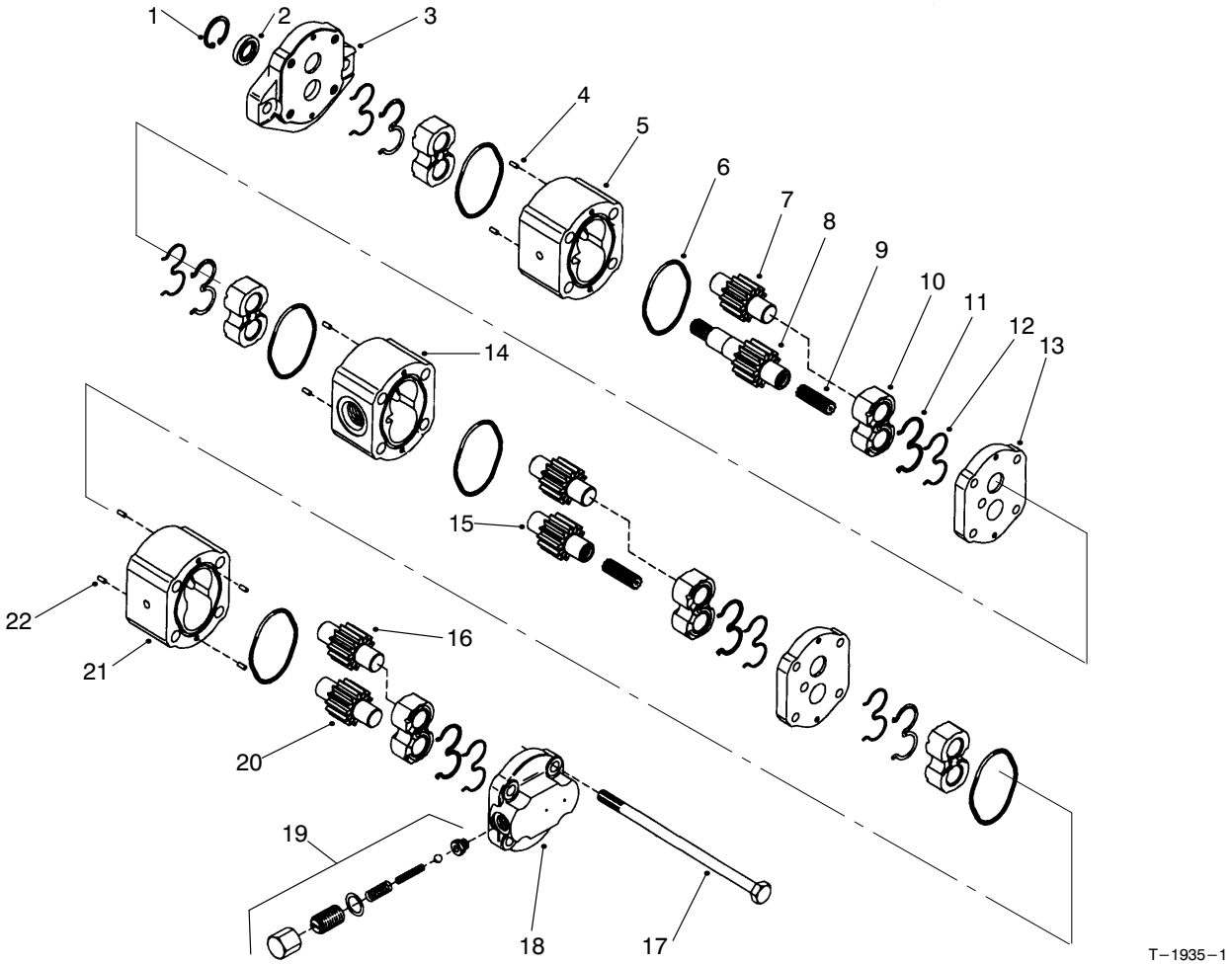



T–1928–1

# GEAR PUMP INSTALLATION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 75–6870 | Hose–Suction | 1 |
| 2 | 2412–34 | Clamp–Hose | 1 |
| 3 | 354–78 | Fitting–Hydraulic (Incl. Ref. #19) | 1 |
| 4 | 323–12 | Screw–HH | 2 |
| 5 | 3253–5 | Washer–Lock | 2 |
| 6 | 93–3604 | Gasket | 1 |
| 7 | 93–1396 | Coupler–Trans. | 1 |
| 8 | 75–4400 | Adaptor–Transmission | 1 |
| 9 | 237–163 | O–Ring | 1 |
| 10 | 340–4 | Fitting–Hydraulic Straight (Incl. Ref. #11 & 17) | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 11 | 237–30 | O–Ring | 2 |
| 12 | 93–3643 | Tube–Hydraulic | 1 |
| 13 | 93–3642 | Tube–Hydraulic | 1 |
| 14 | 75–6240 | Hose–Hydraulic | 1 |
| 15 | 237–22 | O–Ring | 1 |
| 16 | 340–3 | Fitting–Hydraulic Straight (Incl. Ref. #15 & 17) | 1 |
| 17 | 237–79 | O–Ring | 3 |
| 18 | 98–9796 | Asm–Pump, Gear | 1 |
| 19 | 237–146 | O–Ring | 1 |

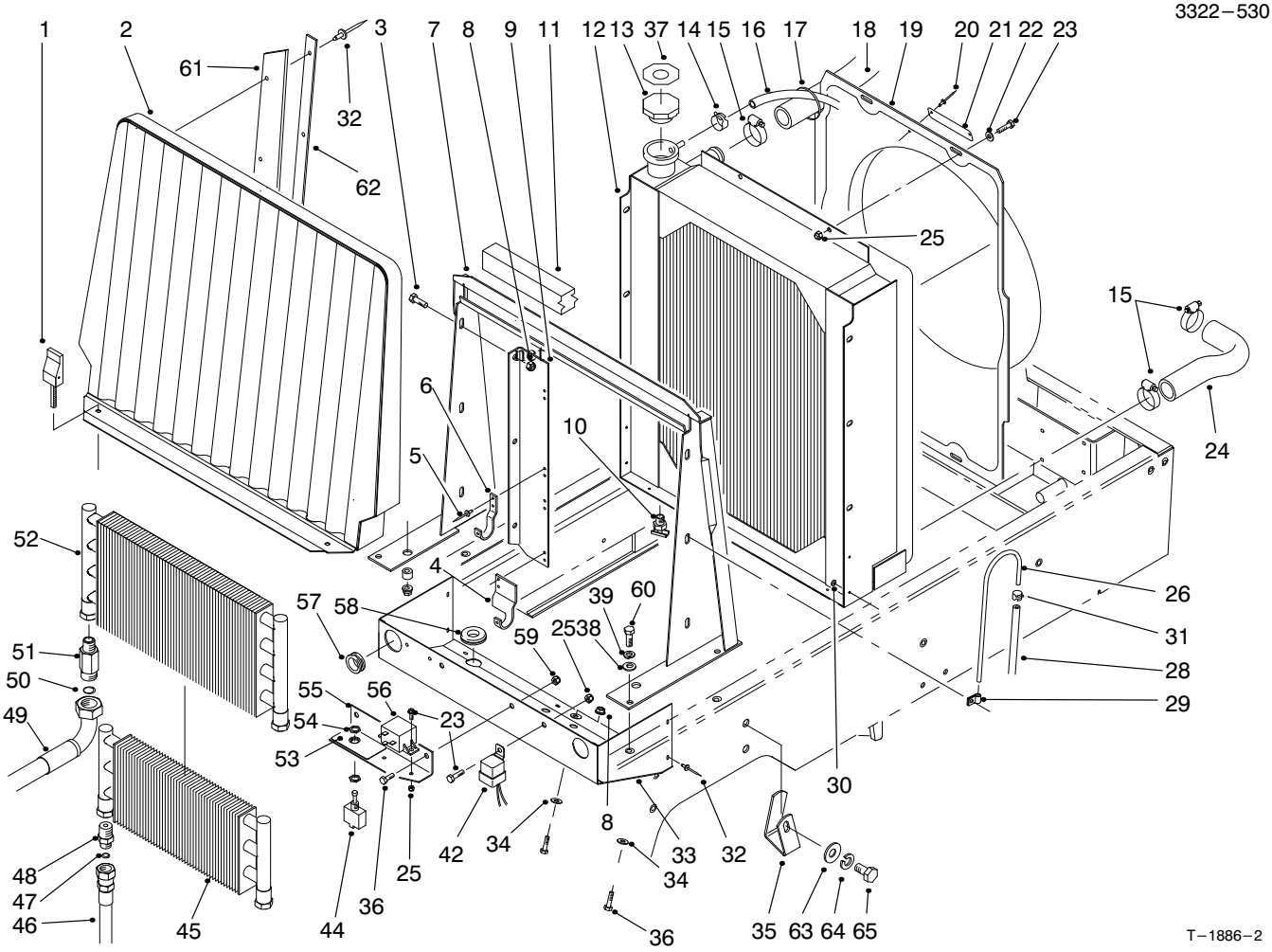



# HYDRAULIC PUMP NO. 98−9796

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | | Ring−Retaining | 1 |
| 2 | | Seal−Shaft | 1 |
| 3 | | Flange | 1 |
| 4 | 93−4278 | Pin−Dowel | 4 |
| 5 | | Housing | 1 |
| 6 | | O−Ring | 2 |
| 7 | | Gear−Idler | 1 |
| 8 | | Gear−Drive | 1 |
| 9 | 93−4280 | Coupling | 2 |
| 10 | | Bearing | 2 |
| 11 | | E−Seal | 2 |
| 12 | | Ring−Backup | 2 |
| 13 | 93−4279 | Plate−Distance | 2 |
| 14 | | Housing | 1 |
| 15 | | Gear−Idler | 1 |
| 16 | | Gear−Idler | 1 |
| 17 | 93−4283 | Bolt | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 18 | 93−4282 | Block−Valve | 1 |
| 19 | 93−4277 | Kit−Valve | 1 |
| 20 | | Gear−Idler | 1 |
| 21 | | Housing | 1 |
| 22 | 93−4281 | Pin−Dowel | 4 |
| * | 93−4268 | Kit−Flange (Incl. Ref. #1−3) | 1 |
| * | 98−9798 | Kit−Housing, Section 1 (Incl. Ref. #6, 7, 10−12, 14 & 15) | 1 |
| * | 98−9797 | Kit−Housing, Section 2 (Incl. Ref. #5−8, & 10−12) | 1 |
| * | 98−9799 | Kit−Housing, Section 3 (Incl. Ref. #6,10−12, 16, & 20−21) | 1 |
| * | 99−8353 | Kit−Individual Pieces (Incl. Ref. #2, 6, 11, & 12) | 1 |

*Not Illustrated

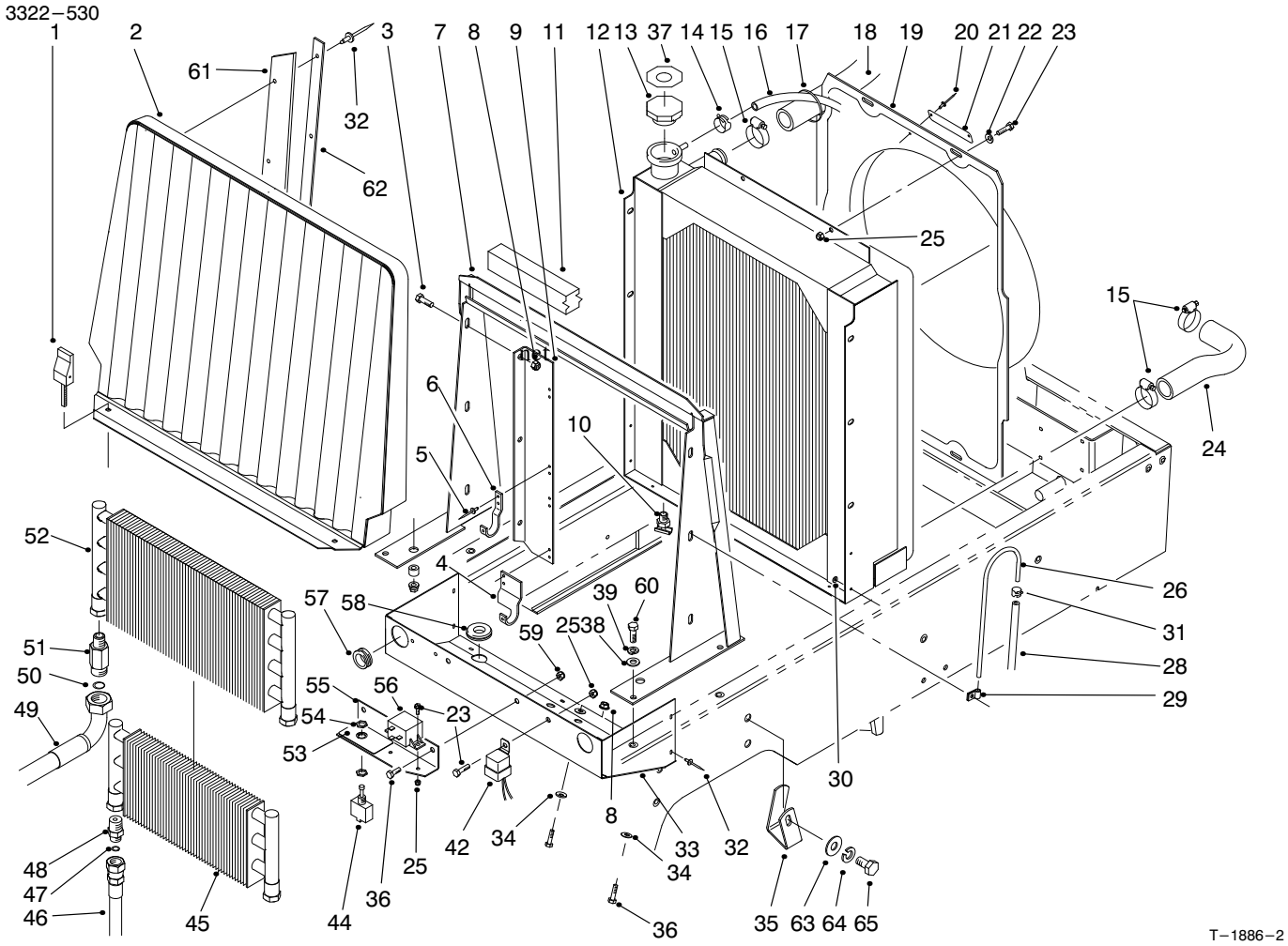



# RADIATOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−1374 | Latch−Swell | 2 |
| 2 | 93−0032 | Housing−Front Screen | 1 |
| 3 | 3234−5 | Screw−Whiz Lock | 6 |
| 4 | 93−0090 | Bracket−Mount RH, Cooler | 1 |
| *4 | 93−0089 | Bracket−Mount LH, Cooler | 1 |
| 5 | 3269−15 | Rivet−Pop | 8 |
| 6 | 75−0930 | Hook−Oil Cooler | 4 |
| 7 | 98−9317 | Support−Radiator | 1 |
| 8 | 32128−20 | Nut−Whiz | 8 |
| 9 | 93−0030 | Asm−Cooler Mount RH (Incl. Ref. #4−6) | 1 |
| * | 93−0071 | Asm−Cooler Mount LH (Incl. Ref. #*4−6) | 1 |
| 10 | 304−46 | Drain−Radiator | 1 |
| 11 | 93−0005 | Strip−Foam, Top | 1 |
| 12 | 98−4507 | Radiator | 1 |
| 13 | 66−3240 | Cap−Radiator | 1 |
| 14 | 92−2379 | Clamp−Hose | 1 |
| 15 | 2412−34 | Clamp−Hose | 4 |
| 16 | 75−2851 | Hose−Expansion Tank | 1 |
| 17 | 3290−378 | Tie−Cable | 1 |
| 18 | 98−4511 | Hose−Radiator Upper | 1 |
| 19 | 98−4571 | Shroud−Fan | 1 |
| 20 | 3290−271 | Rivet−Pop | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 21 | 98−9335 | Plate−Caution | 1 |
| 22 | 3256−22 | Washer−Flat | 4 |
| 23 | 321−4 | Screw−HH | 7 |
| 24 | 98−4508 | Hose−Radiator Lower | 1 |
| 25 | 3296−42 | Nut−Lock | 7 |
| 26 | 66−3180 | Tube−Vent | 1 |
| 28 | 75−4701 | Hose−Fuel Vent | 1 |
| 29 | 2412−103 | Clamp−R | 2 |
| 30 | 3269−10 | Washer−Back−up | 5 |
| 31 | 2412−98 | Clamp−Hose | 1 |
| 32 | 3269−13 | Rivet−Pop | 15 |
| 33 | 93−0025 | Shield−Radiator | 1 |
| 34 | 3256−2 | Washer−Flat | 4 |
| 35 | 98−4591 | Clamp−Hose LH | 1 |
| * | 98−4592 | Clamp−Hose RH | 1 |
| 36 | 322−2 | Screw−HH | 4 |
| 37 | 93−7840 | Decal−Radiator Cap | 1 |
| 38 | 3256−23 | Washer−Flat | 4 |
| 39 | 3253−4 | Washer−Lock | 4 |
| 42 | 63−7590 | Relay−Starter | 1 |
| 44 | 99−8352 | Switch−Backlap (Incl. Ref. #54) | 1 |
| 45 | 24−0760 | Exchanger−Heat | 1 |

*Not Illustrated

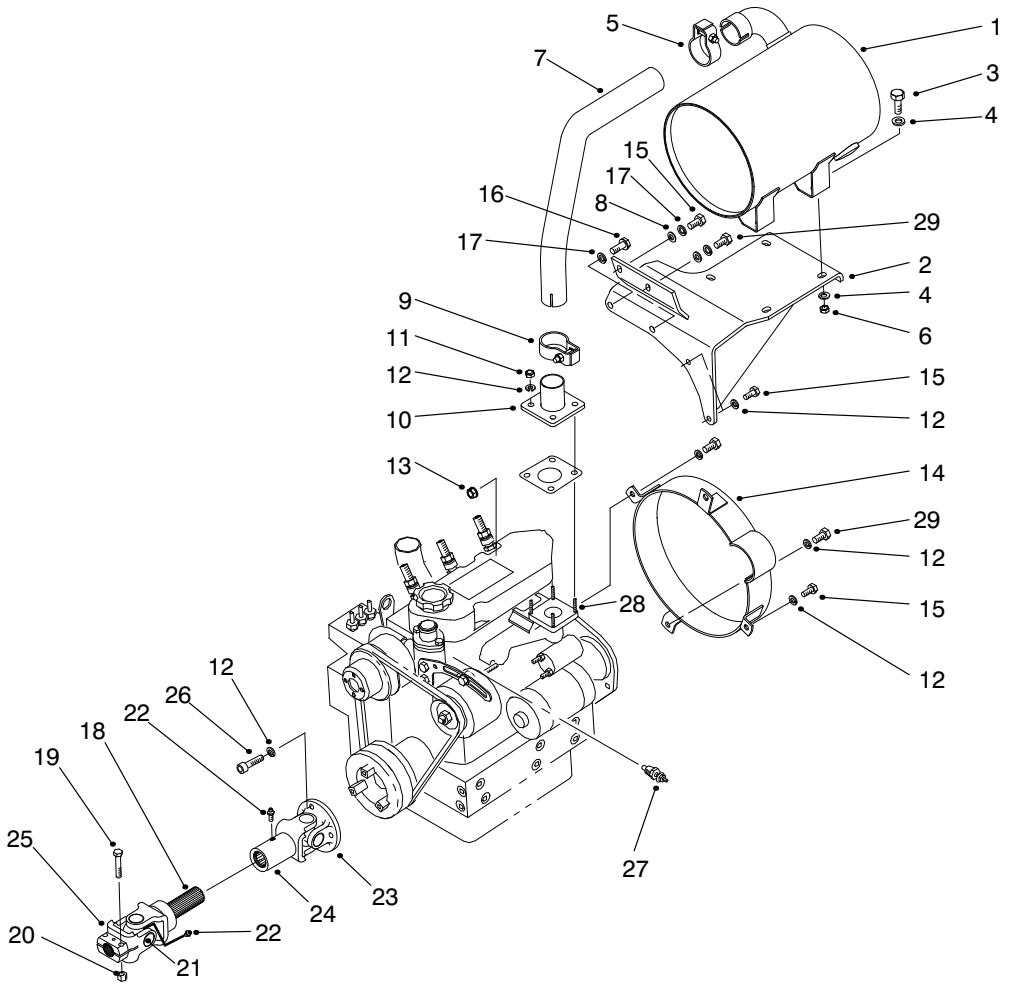



# RADIATOR ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 46 | 93–0076 | Hose–Trans. to Cooler | 1 |
| * | 93–0075 | Hose–Trans. to Cooler | 1 |
| 47 | 237–22 | O–Ring | 2 |
| 48 | 340–124 | Fitting–Straight (Incl. Ref. #47) | 2 |
| 49 | 93–0077 | Hose–Cooler, RH | 1 |
| * | 93–0078 | Hose–Cooler, LH | 1 |
| 50 | 237–65 | O–Ring | 2 |
| 51 | 92–4999 | Fitting–Hydraulic 90° (Incl. Ref. #50) | 2 |
| 52 | 75–1040 | Cooler–Oil | 1 |
| 53 | 93–6684 | Decal–Backlap | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 54 | 218–498 | Nut–Lock | 2 |
| 55 | 75–3390 | Bracket–Backlap | 1 |
| 56 | 66–8800 | Relay–Glow Plug | 1 |
| 57 | 240–3 | Grommet | 2 |
| 58 | 93–0082 | Grommet | 2 |
| 59 | 3296–29 | Nut–Lock | 2 |
| 60 | 322–5 | Screw–HH | 4 |
| 61 | 93–3623 | Strip–Sealing, Radiator | 2 |
| 62 | 93–3624 | Plate–Retaining | 2 |
| 63 | 3256–26 | Washer–Flat | 2 |
| 64 | 3253–7 | Washer–Lock | 2 |
| 65 | 325–2 | Screw–HH | 2 |

*Not Illustrated



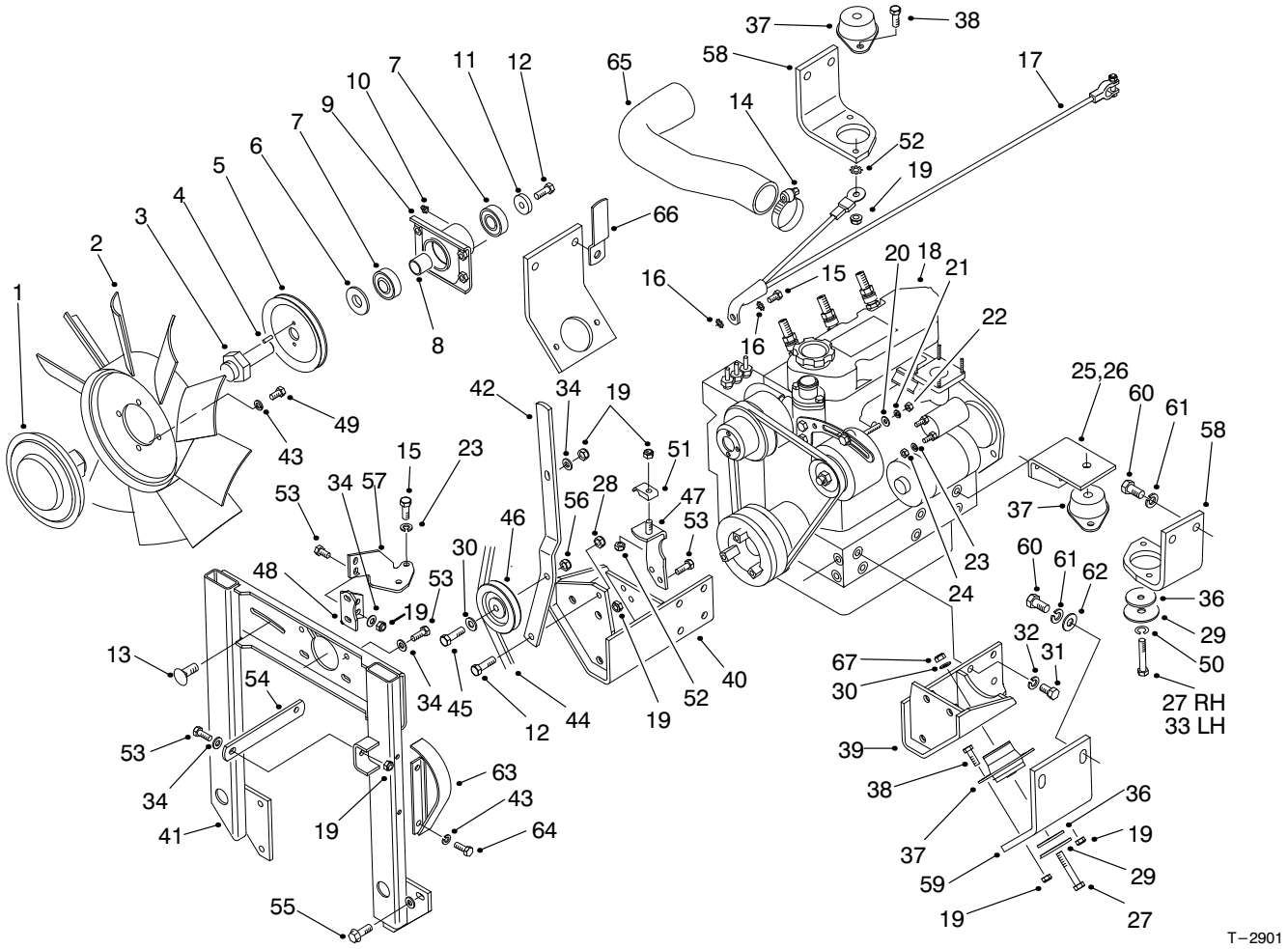

T−2900−2

# MUFFLER & PUMP DRIVE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9794 | Muffler | 1 |
| 2 | 98−4555 | Bracket−Muffler | 1 |
| 3 | 323−6 | Screw−HH | 4 |
| 4 | 3256−4 | Washer−Flat | 8 |
| 5 | 98−9310 | Clamp−Muffler | 1 |
| 6 | 3296−39 | Nut−Lock | 4 |
| 7 | 98−4524 | Tube−Exhaust | 1 |
| 8 | 33094−00 | Washer−Flat | 2 |
| 9 | 98−9309 | Clamp−Muffler | 1 |
| 10 | 98−4527 | Pipe−Engine Exhaust | 1 |
| 11 | 33014−00 | Nut−Lock | 4 |
| 12 | 42−9850 | Washer−Lock | 9 |
| 13 | 33024−00 | Nut−Lock | 1 |
| 14 | 98−4564 | Guard−Flywheel | 1 |
| 15 | 33114−025 | Screw−HH | 5 |
| 16 | 43−0090 | Screw−HH | 2 |
| 17 | 42−9600 | Washer−Lock | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 18 | 98−9765 | Yoke−Shaft | 1 |
| 19 | 322−9 | Screw−HH | 2 |
| 20 | 3296−29 | Nut−Lock | 2 |
| 21 | 98−9766 | Kit−U−Joint | 2 |
| 22 | 302−5 | Fitting−Grease | 2 |
| 23 | 98−9769 | Yoke−Flange | 1 |
| 24 | 98−9767 | Yoke−Slip Tube | 1 |
| 25 | 98−9768 | Yoke−End | 1 |
| 26 | 98−9322 | Screw−HSH | 3 |
| 27 | 98−9346 | Send−Temp | 1 |
| 28 | 42−9560 | Stud | 4 |
| 29 | 33114−020 | Screw−HH | 2 |
| * | 98−4593 | Asm−Drive Shaft (Incl. Ref. #18, 21−25) | 1 |
| * | 75−6880 | Screen−Spark Arrester (Optional) | 1 |

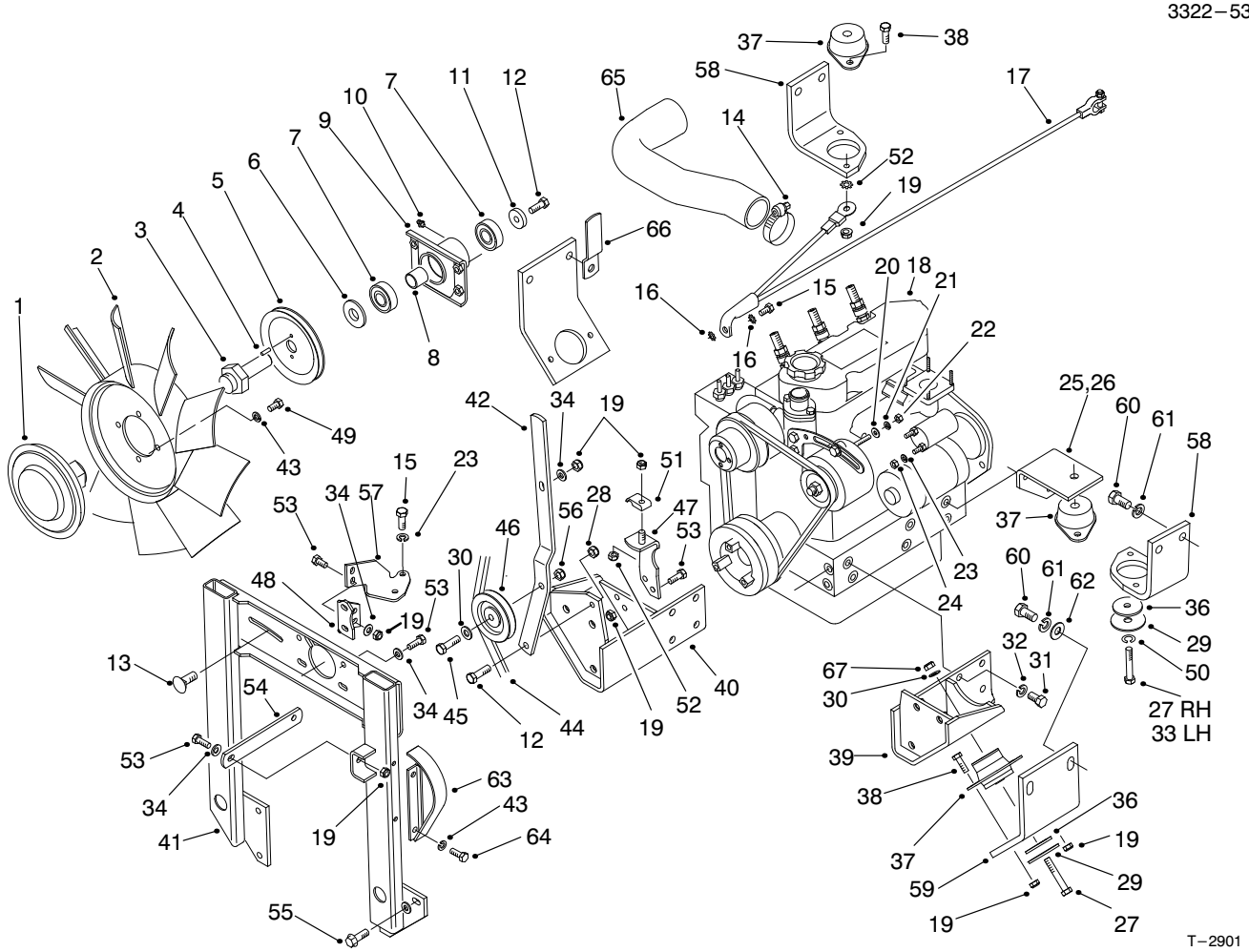
*Not Illustrated




# ENGINE INSTALLATION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 74−5520 | Clutch−Fan | 1 |
| 2 | 75−3780 | Fan | 1 |
| 3 | 75−6380 | Shaft−Fan | 1 |
| 4 | 32121−2 | Pin−Roll | 2 |
| 5 | 98−9743 | Pulley−Fan | 1 |
| 6 | 47−0110 | Spacer−Spindle | 1 |
| 7 | 251−318 | Bearing−Ball | 2 |
| 8 | 75−5310 | Spacer−Bearing | 1 |
| 9 | 75−4450 | Hub−Fan Drive | 1 |
| 10 | 302−10 | Fitting−Grease 45° | 1 |
| 11 | 67−1630 | Spacer−Fan | 1 |
| 12 | 323−6 | Screw−HH | 2 |
| 13 | 3230−2 | Bolt−Carriage | 1 |
| 14 | 2412−92 | Clamp−Hose | 1 |
| 15 | 98−9322 | Screw−HH | 1 |
| 16 | 3255−9 | Washer−Lock | 2 |
| 17 | 98−4598 | Cable−Battery (Ground) | 1 |
| 18 | 98−9300 | Asm−Engine | 1 |
| 19 | 3296−29 | Nut−Lock | 15 |
| 20 | 3256−78 | Washer−Flat | 1 |
| 21 | 43−5930 | Washer−Lock | 1 |
| 22 | 48−7890 | Nut−Hex. | 1 |
| 23 | 42−9850 | Washer−Lock | 2 |

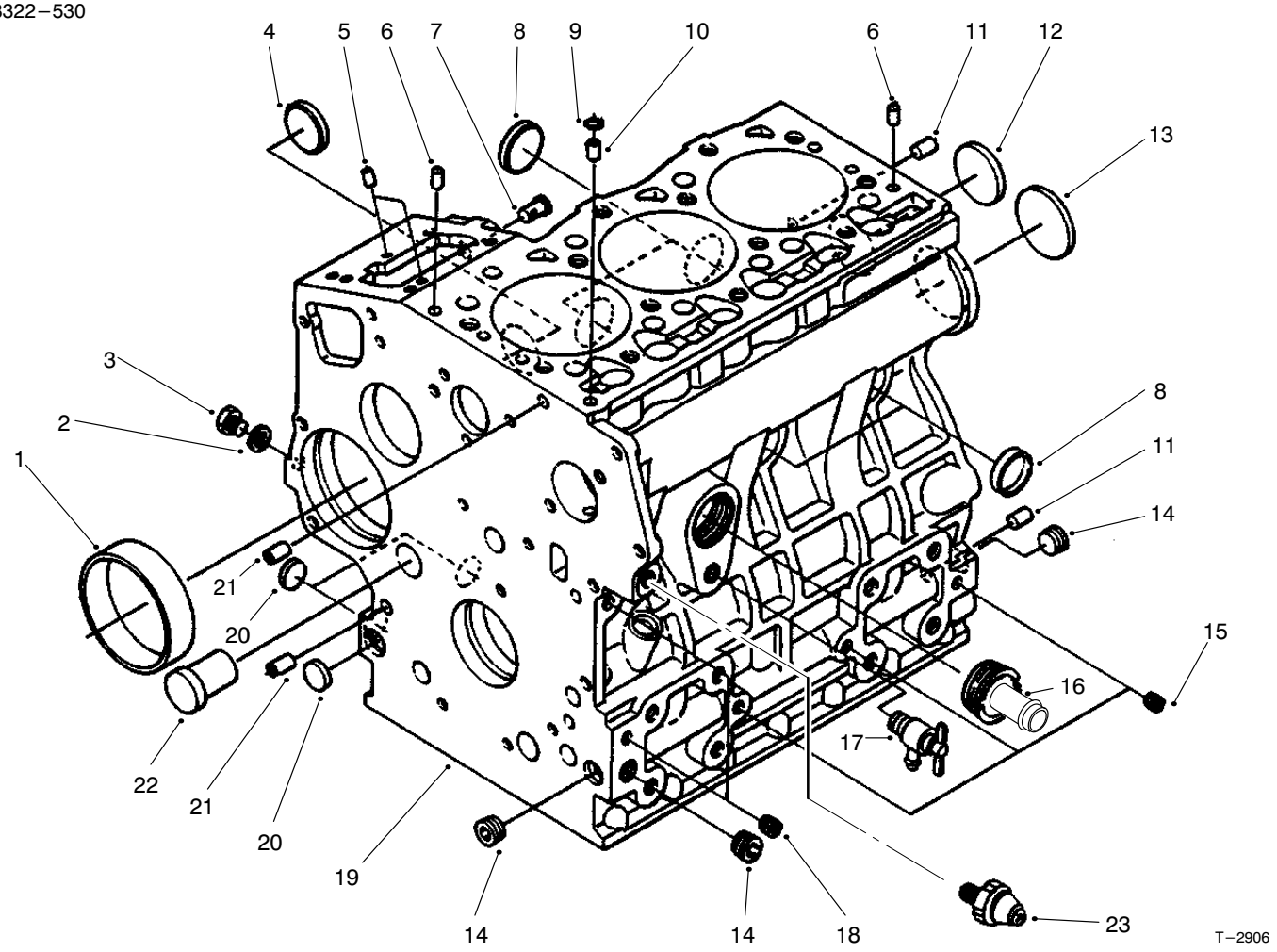
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 24 | 57−6390 | Nut−Lock | 1 |
| 25 | 98−4515 | Bracket−Engine LH Rear | 1 |
| 26 | 94−4514 | Bracket−Engine RH Rear | 1 |
| 27 | 323−12 | Screw−HH RH | 3 |
| 28 | 3296−39 | Nut−Lock | 1 |
| 29 | 87−5100 | Washer−Snubbing | 4 |
| 30 | 3256−24 | Washer−Flat | 5 |
| 31 | 43−0090 | Screw−HH | 14 |
| 32 | 42−9600 | Washer−Lock | 14 |
| 33 | 323−10 | Screw−HH LH | 1 |
| 34 | 3256−23 | Washer−Flat | 10 |
| 35 | 33114−016 | Screw−HH | 2 |
| 36 | 98−4596 | Washer−Mount, Engine | 4 |
| 37 | 83−1030 | Mount−Engine | 4 |
| 38 | 322−6 | Screw−HH | 8 |
| 39 | 98−4539 | Bracket−Engine LH Front | 1 |
| 40 | 98−4543 | Bracket−Engine Mount RH | 1 |
| 41 | 98−4530 | Support−Fan, Engine | 1 |
| 42 | 98−4575 | Bracket−Fan Idler | 1 |
| 43 | 3253−4 | Washer−Lock | 6 |
| 44 | 98−9744 | Belt−V | 1 |
| 45 | 323−8 | Screw−HH | 1 |
| 46 | 63−8140 | Pulley−Idler | 1 |




# ENGINE INSTALLATION ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 47 | 98−9749 | Bracket−Mount, Throttle | 1 |
| 48 | 98−9740 | Bracket−Support, Fan | 1 |
| 49 | 322−2 | Screw−HH | 4 |
| 50 | 3253−21 | Washer−lock | 1 |
| 51 | 3−6657 | Clamp−Cable | 1 |
| 52 | 3255−8 | Washer−Lock | 1 |
| 53 | 322−4 | Screw−HH | 9 |
| 54 | 98−4547 | Plate−Mount, Fan | 1 |
| 55 | 3234−29 | Screw−HHF | 6 |
| 56 | 3296−59 | Nut−Lock | 1 |
| 57 | 98−9741 | Bracket−Mount, Fan | 1 |

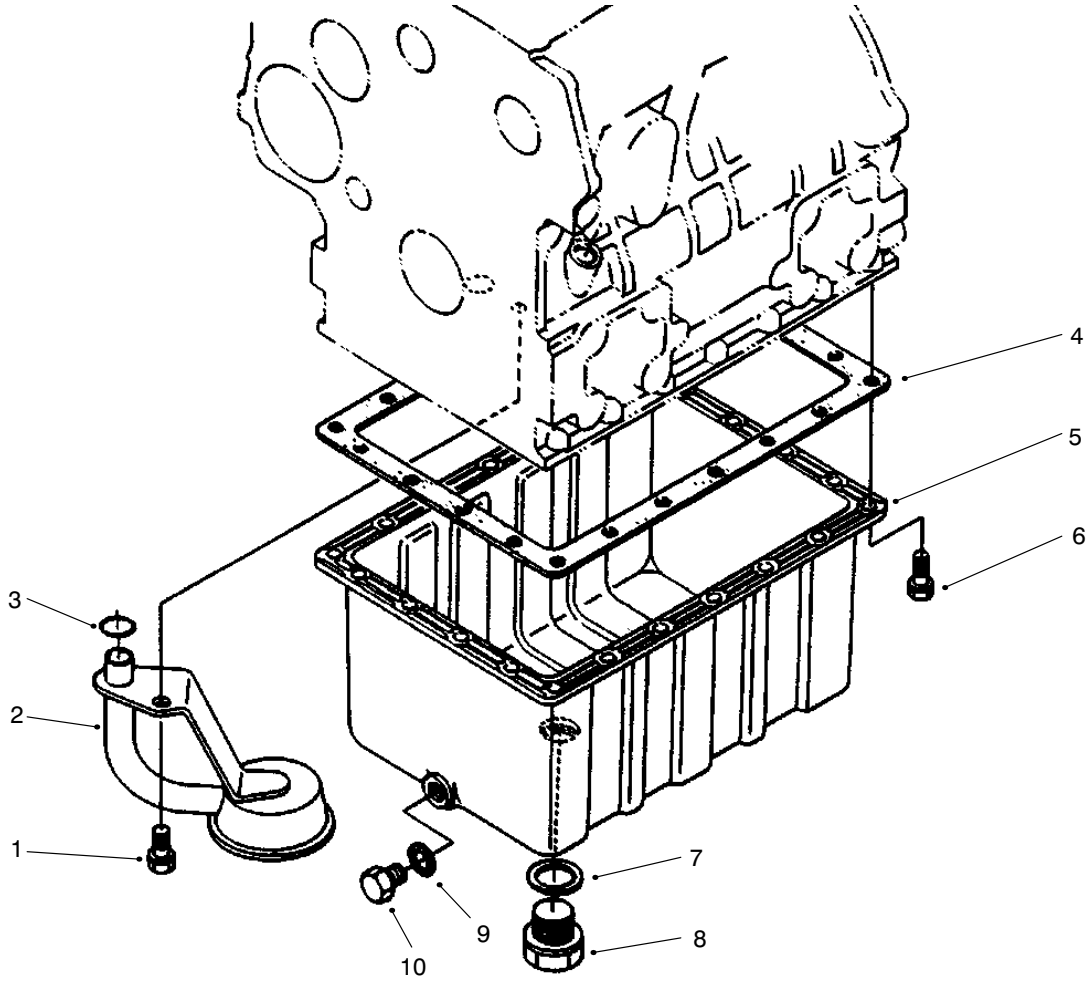
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 58 | 98−4513 | Bracket−Eng. Left Rear | 2 |
| 59 | 93−0095 | Bracket−Eng. Front | 2 |
| 60 | 3213−2 | Screw−HH | 8 |
| 61 | 3253−7 | Washer−Lock | 8 |
| 62 | 3256−40 | Washer−Flat | 4 |
| 63 | 98−4561 | Shield−Alternator | 1 |
| 64 | 32144−14 | Screw−HH | 2 |
| 65 | 98−4509 | Hose−Air Cleaner | 1 |
| 66 | 98−4594 | Clamp−Retainer | 1 |
| 67 | 32128−36 | Nut−HFH | 3 |




# CRANKCASE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9656 | Bushing−Governor, Gear | 1 |
| 2 | 98−7428 | Gasket | 1 |
| 3 | 98−7507 | Plug | 1 |
| 4 | 98−9599 | Plug | 1 |
| 5 | 98−9375 | Pin−Straight | 2 |
| 6 | 98−9376 | Pin−Straight | 2 |
| 7 | 98−9630 | Pin−Start Spring | 1 |
| 8 | 98−9398 | Cap−Sealing | 4 |
| 9 | 98−7509 | O−Ring | 1 |
| 10 | 98−9539 | Pin−Pipe | 1 |
| 11 | 98−9377 | Pin−Straight | 2 |
| 12 | 98−7539 | Cap−Sealing | 1 |
| 13 | 98−9668 | Plug | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 14 | 98−9597 | Plug | 3 |
| 15 | 98−7540 | Plug | 3 |
| 16 | 99−8347 | Joint−Drain, Pipe | 1 |
| 17 | 98−9436 | Asm−Cock, Drain | 1 |
| 18 | 98−7487 | Plug | 2 |
| 19 | 99−8300 | Asm−Crankcase (Incl. Ref. #1−8, 10−16, 18 & 20−22) | 1 |
| 20 | 98−9379 | Plug | 3 |
| 21 | 98−9387 | Pin−Pipe | 2 |
| 22 | 98−9675 | Plug | 1 |
| 23 | 98−9416 | Switch | 1 |

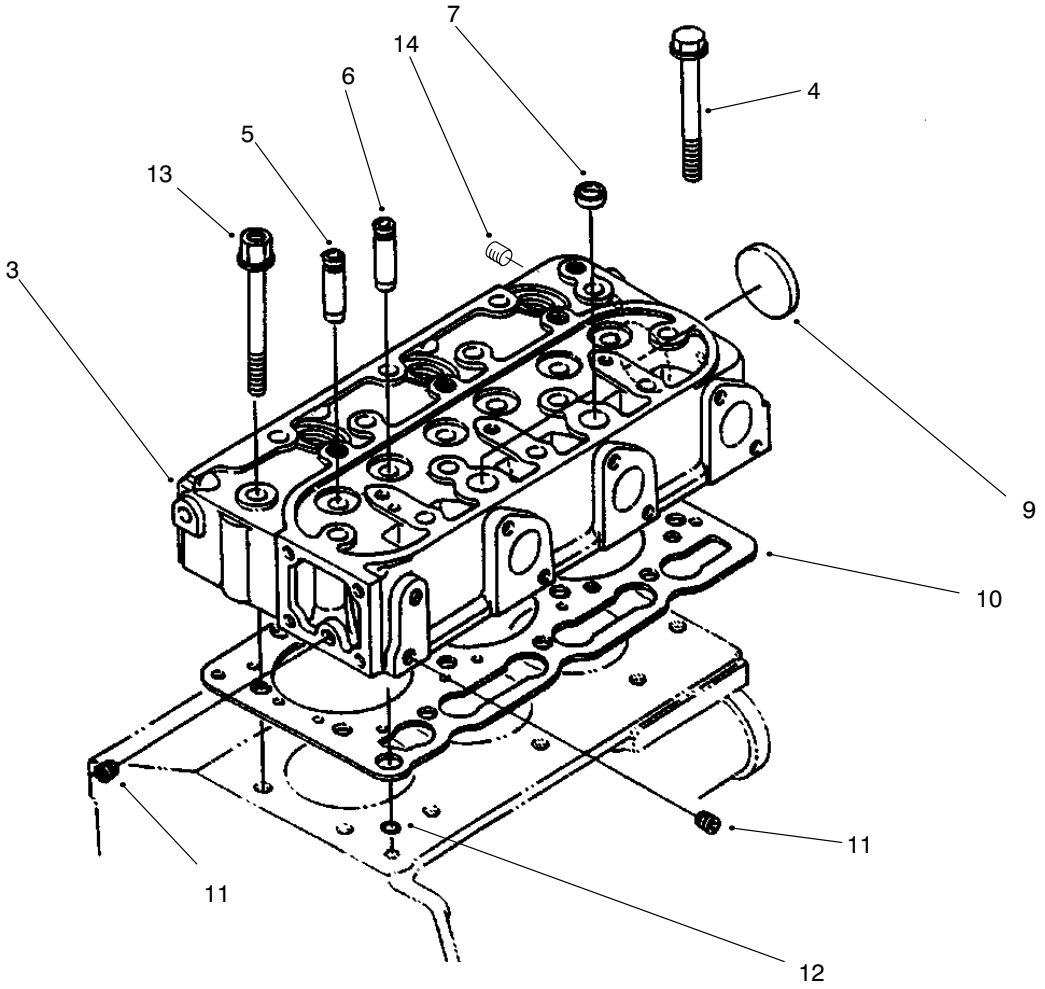



T−2907

# OIL PAN ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9358 | Bolt | 1 |
| 2 | 98−9538 | Filter−Oil | 1 |
| 3 | 98−7527 | O−Ring | 1 |
| 4 | 98−9646 | Gasket−Oil Pan | 1 |
| 5 | 98−9685 | Oil Pan | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 6 | 98−9350 | Bolt | 22 |
| 7 | 98−9399 | Gasket | 1 |
| 8 | 98−7523 | Plug−Drain | 1 |
| 9 | 98−7524 | Gasket | 1 |
| 10 | 98−9386 | Plug | 1 |

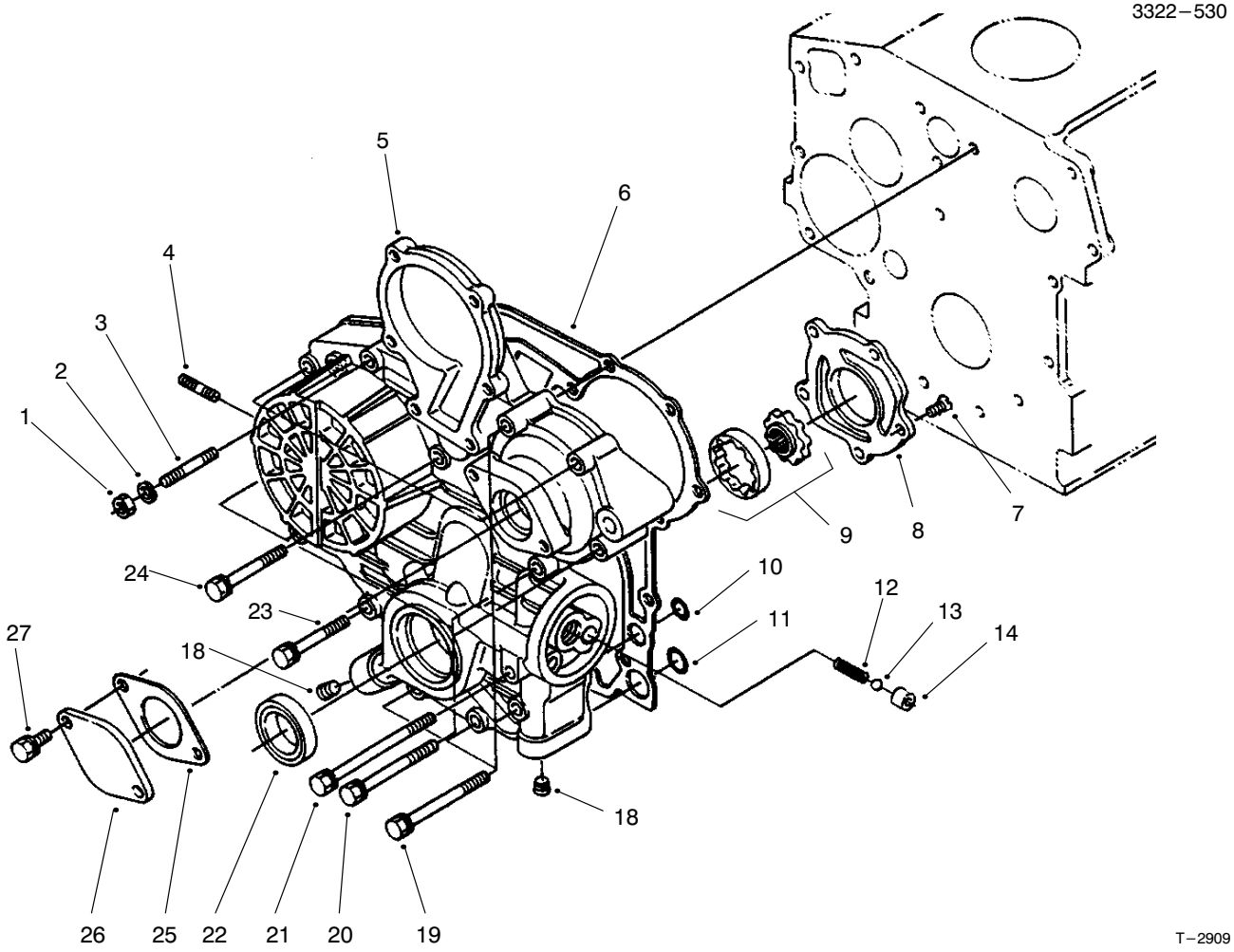



T−2908−1

# CYLINDER HEAD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 3 | 99−8344 | Asm−Cylinder Head (Incl. Ref. #5−7, 9,11 & 14) | 1 |
| 4 | 98−9479 | Bolt−Cylinder Head | 12 |
| 5 | 98−9499 | Guide−Inlet Valve | 3 |
| 6 | 98−9500 | Guide−Exhaust Valve | 3 |
| 7 | 98−9389 | Cap−Sealing | 2 |

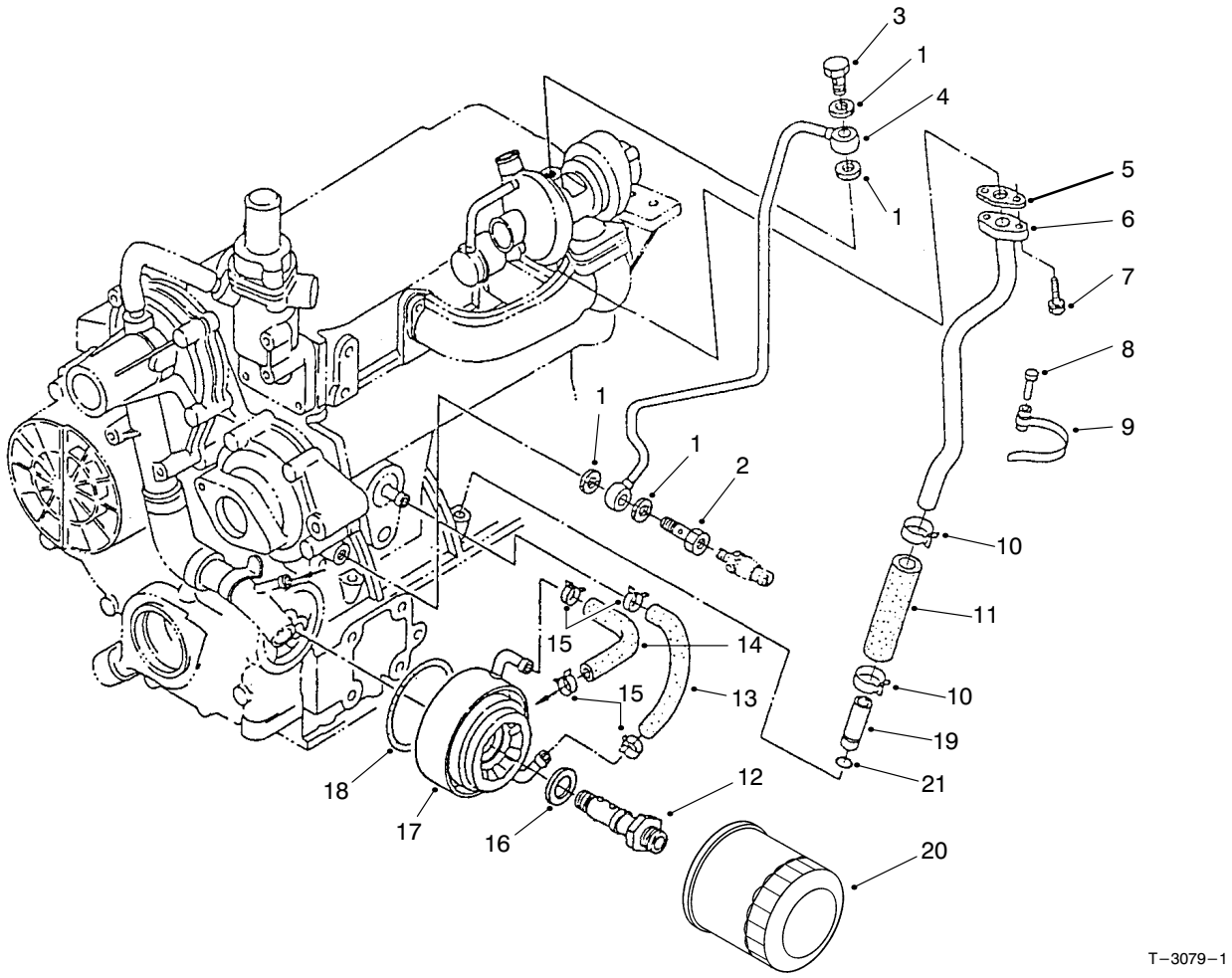
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 98−9395 | Cap−Sealing | 1 |
| 10 | 98−9613 | Gasket−Cylinder Head | 1 |
| 11 | 98−7540 | Plug | 2 |
| 12 | 98−7509 | O−Ring | 1 |
| 13 | 98−9647 | Bolt−Cylinder Head | 2 |
| 14 | 98−9444 | Plug | 1 |




# GEAR CASE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7572 | Nut | 1 |
| 2 | 98−9367 | Washer−Lock | 1 |
| 3 | 98−9363 | Stud | 1 |
| 4 | 98−9362 | Stud | 2 |
| 5 | 99−8381 | Asm−Case, Gear (Incl. Ref. #7−9, 12−14 & 18) | 1 |
| 6 | 98−9633 | Gasket−Gear Case | 1 |
| 7 | 98−9592 | Screw | 5 |
| 8 | 98−9541 | Cover−Oil Pump | 1 |
| 9 | 98−9540 | Asm−Rotor, Oil Pump | 1 |
| 10 | 98−9372 | O−Ring | 2 |
| 11 | 98−7547 | O−Ring | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 12 | 98−9544 | Spring | 1 |
| 13 | 98−9380 | Ball | 1 |
| 14 | 98−9543 | Seal−Valve | 1 |
| 18 | 98−9598 | Plug | 2 |
| 19 | 98−9356 | Bolt | 2 |
| 20 | 98−9355 | Bolt | 6 |
| 21 | 98−9586 | Bolt | 1 |
| 22 | 98−9482 | Seal−Oil | 1 |
| 23 | 98−9437 | Bolt | 1 |
| 24 | 98−7496 | Bolt | 3 |
| 25 | 98−9684 | Gasket−Gear Case | 1 |
| 26 | 98−9641 | Cover | 1 |
| 27 | 98−7692 | Bolt | 2 |

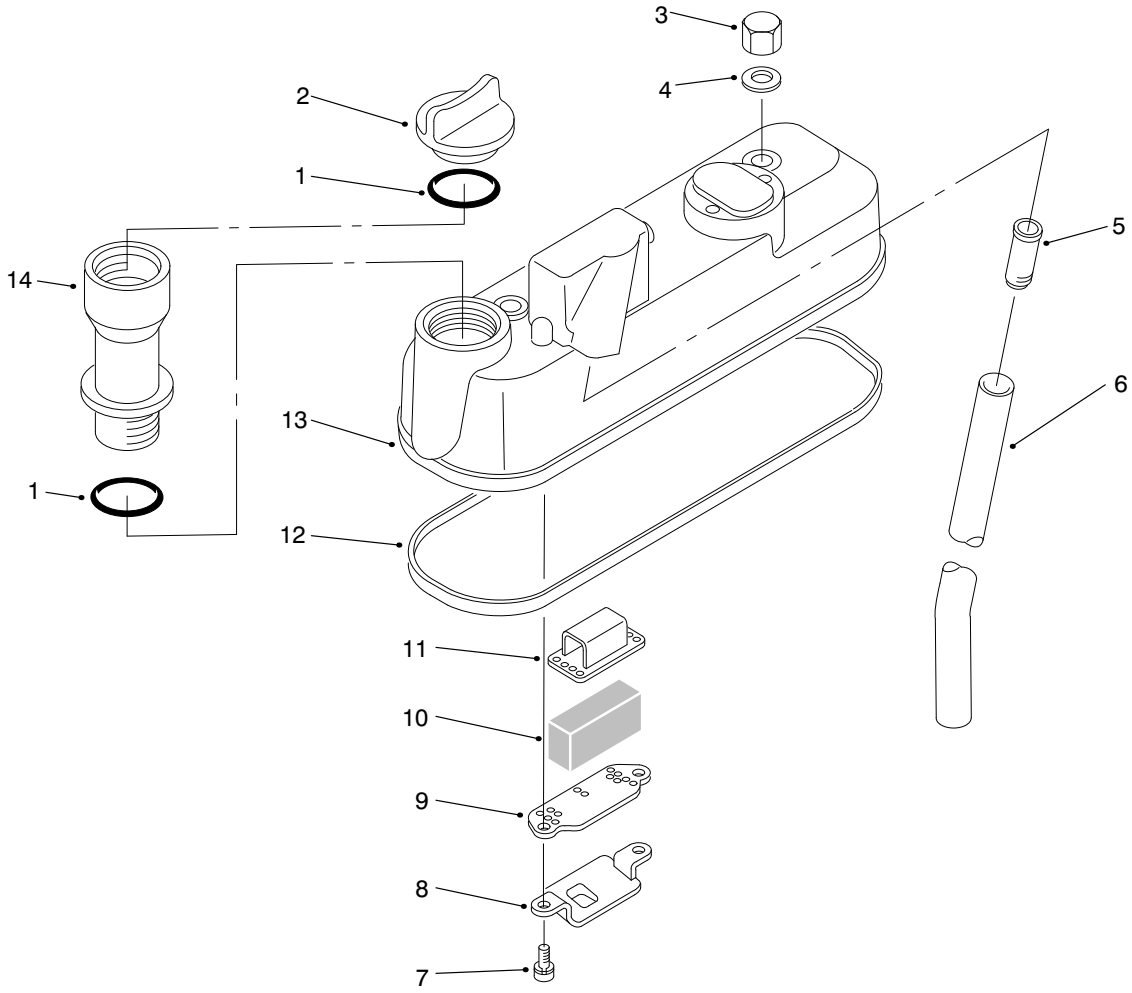



T−3079−1

# FILTER, OIL COOLER & PIPE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8346 | Gasket | 4 |
| 2 | 98−9417 | Bolt−Eye Joint | 1 |
| 3 | 98−9418 | Bolt−Eye Joint | 1 |
| 4 | 98−9419 | Pipe−Oil | 1 |
| 5 | 98−9435 | Gasket | 1 |
| 6 | 98−9461 | Pipe−Oil | 1 |
| 7 | 98−9587 | Bolt | 2 |
| 8 | 98−9591 | Pin−Band | 1 |
| 9 | 98−9601 | Clamp−Pipe | 1 |
| 10 | 98−9714 | Clamp−Hose | 2 |
| 11 | 98−9721 | Pipe−Oil | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 12 | 98−9723 | Asm−Holder | 1 |
| 13 | 98−9724 | Pipe−Cooler, Oil | 1 |
| 14 | 98−9578 | Pipe−Return, Water | 1 |
| 15 | 98−9579 | Band−Pipe | 4 |
| 16 | 98−9727 | Collar | 1 |
| 17 | 98−9728 | Asm−Cooler, Oil | 1 |
| 18 | 98−9729 | O−Ring | 1 |
| 19 | 99−8383 | Asm−Pipe, Oil (Incl. Ref. #21) | 1 |
| 20 | 99−8384 | Asm−Cartridge, Oil | 1 |
| 21 | 98−9722 | O−Ring | 1 |

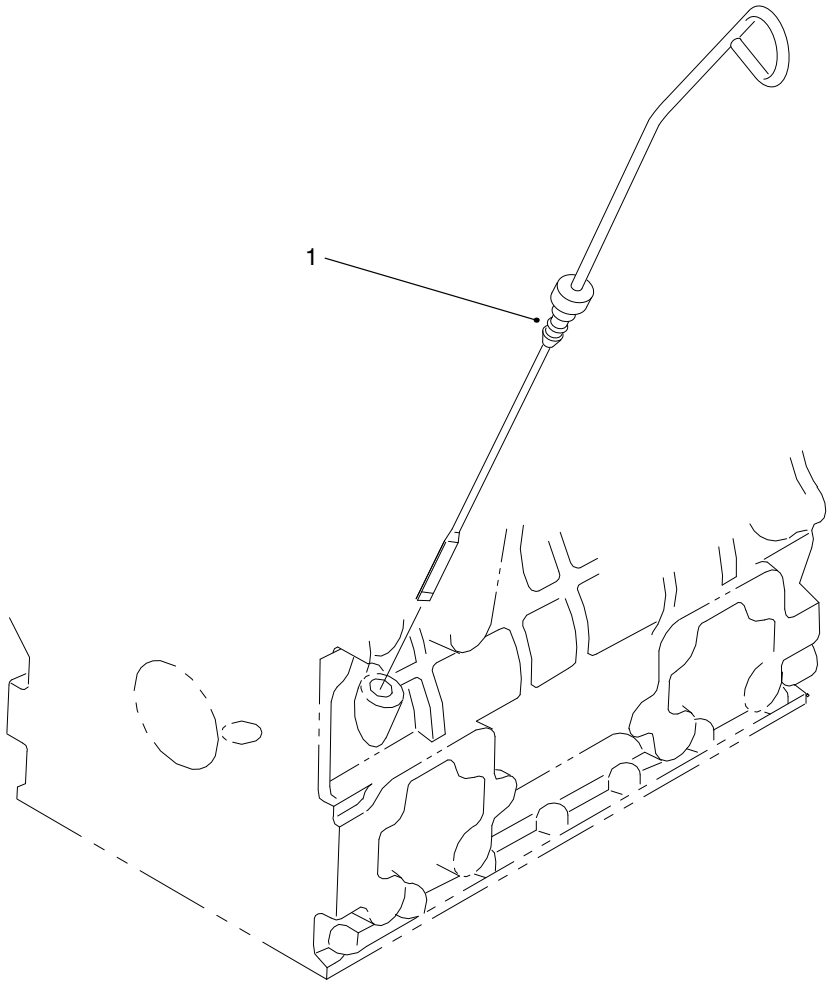



T−2910−1

# HEAD COVER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7430 | O−Ring | 2 |
| 2 | 98−9449 | Plug−Oil Filler | 1 |
| 3 | 98−9455 | Nut−Cap | 3 |
| 4 | 98−9454 | Gasket | 3 |
| 5 | 98−9492 | Joint−Breather Pipe | 1 |
| 6 | 98−9491 | Pipe−Breather | 1 |
| 7 | 98−9364 | Screw w/washer | 2 |
| 8 | 98−9490 | Oil Shield−Breather | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 98−9488 | Plate−Breather Element | 1 |
| 10 | 98−9493 | Element−Breather | 1 |
| 11 | 98−9489 | Plate−Breather Element | 1 |
| 12 | 98−9615 | Gasket−Head Cover | 1 |
| 13 | 98−9614 | Asm−Cover, Cylinder Head (Incl. Ref. #5 & 7−12) | 1 |
| 14 | 99−8349 | Extension−Fill, Oil | 1 |



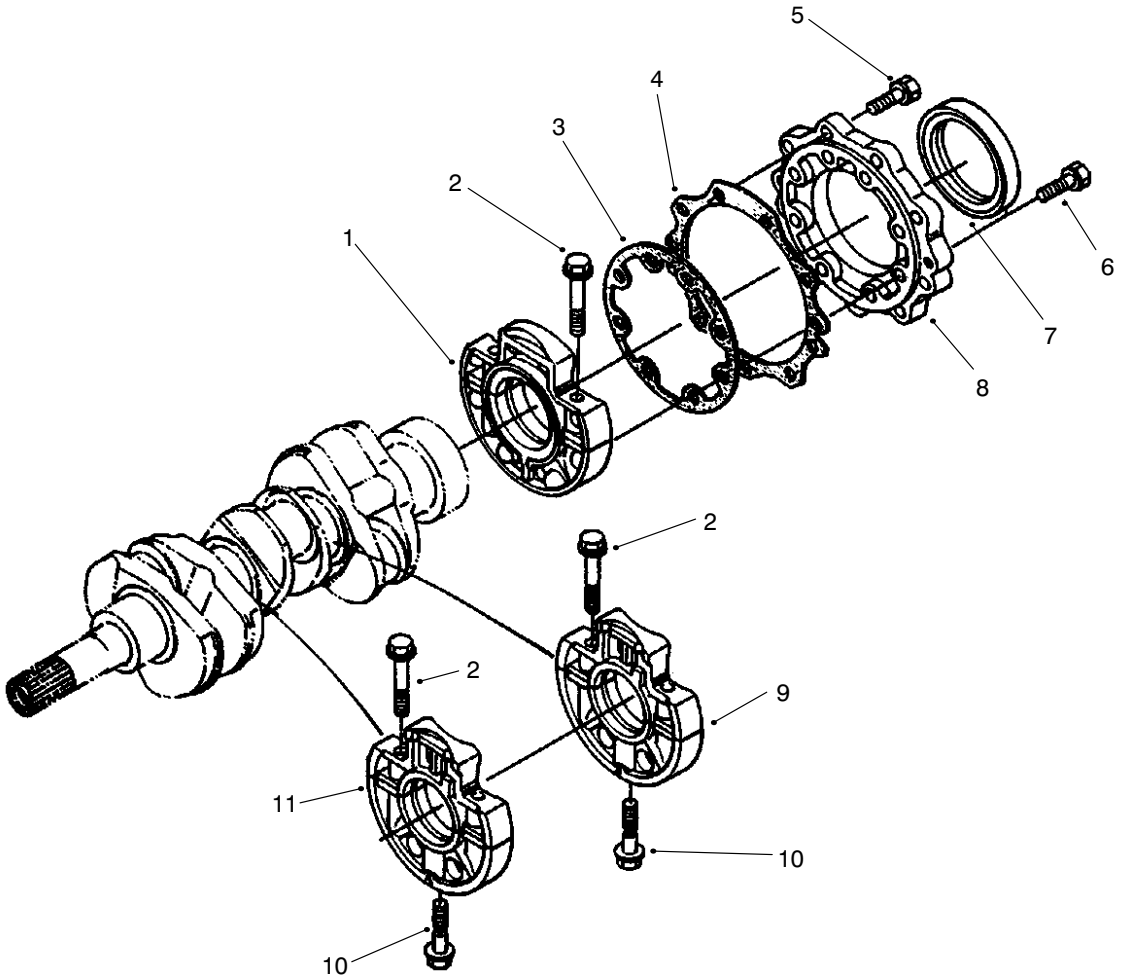

T−3094

# DIPSTICK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9627 | Gauge−Oil | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|

*Not Illustrated

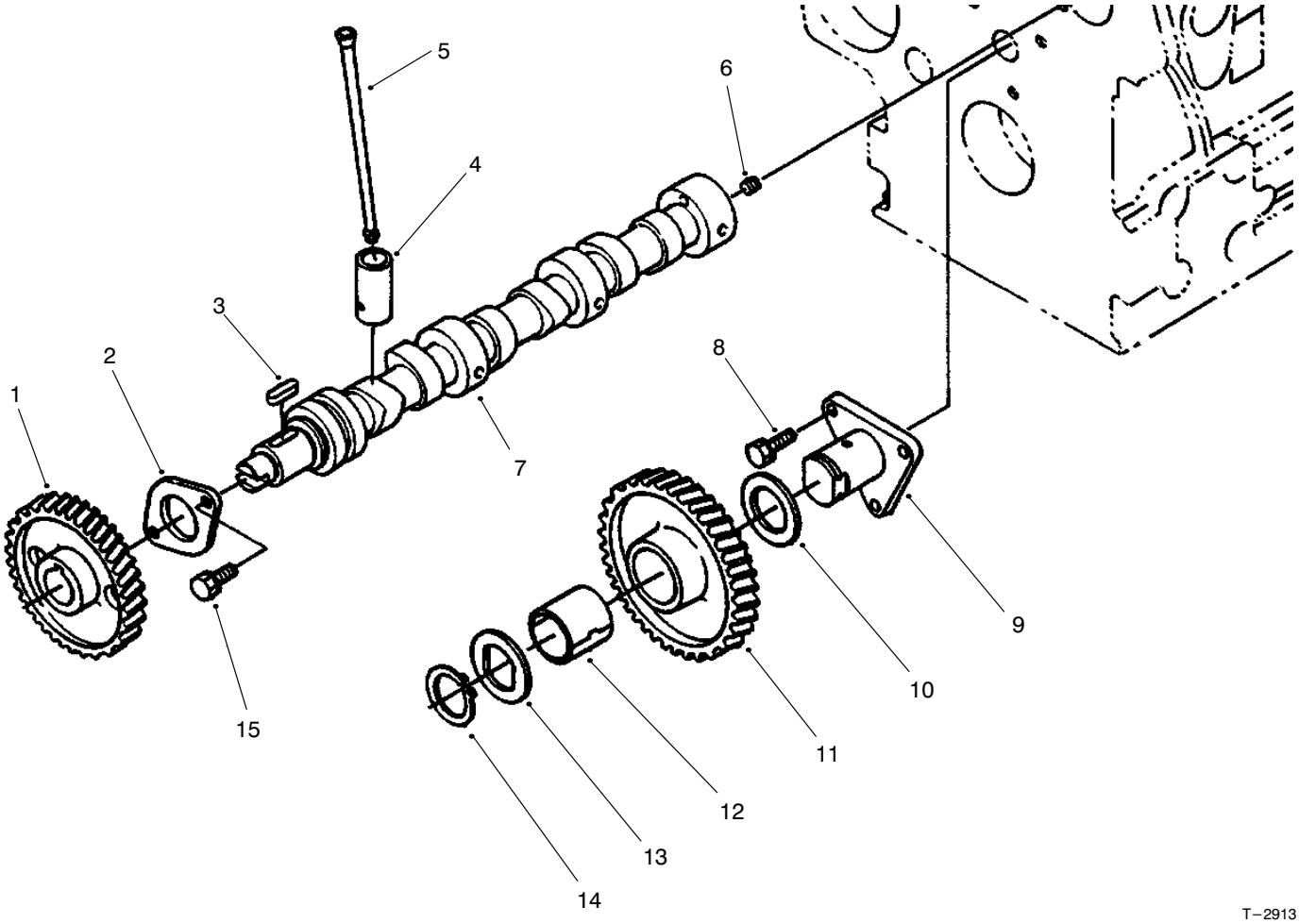



T−2912

# MAIN BEARING CASE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9480 | Asm−Case, Main Bearing | 1 |
| 2 | 98−9484 | Bolt−Bearing Case | 6 |
| 3 | 98−9634 | Gasket−Bearing Case | 1 |
| 4 | 98−9635 | Gasket−Bearing Case Cover | 1 |
| 5 | 98−7568 | Bolt | 9 |
| 6 | 98−9352 | Bolt | 8 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 7 | 98−9483 | Seal−Oil | 1 |
| 8 | 98−9487 | Cover−Bearing Case | 1 |
| 9 | 99−8360 | Asm−Case, Main Bearing | 1 |
| 10 | 98−9485 | Bolt−Bearing Case | 2 |
| 11 | 99−8361 | Asm−Case, Main Bearing | 1 |

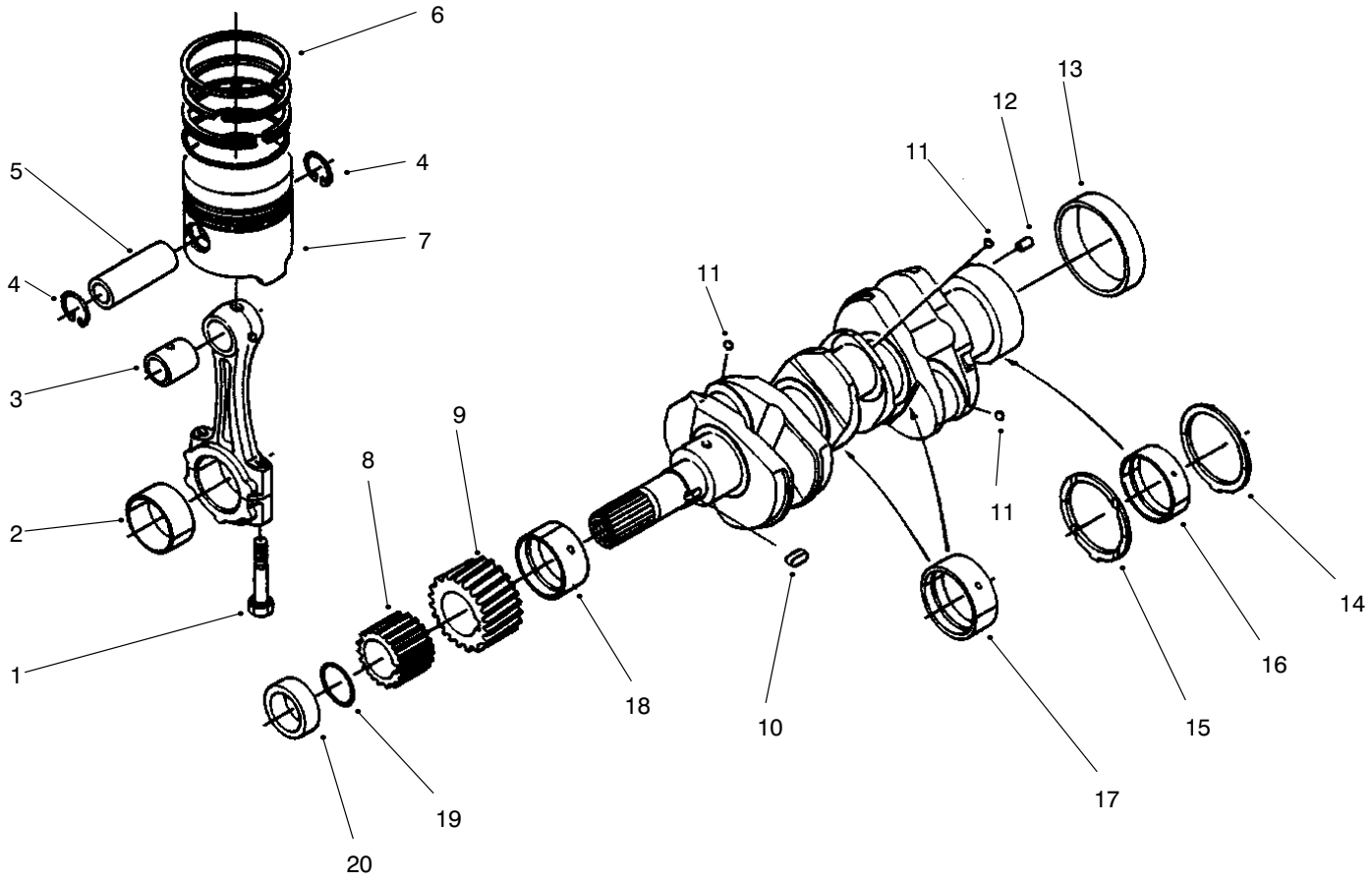



T−2913

# CAMSHAFT ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9512 | Gear−Cam | 1 |
| 2 | 98−9510 | Stopper−Camshaft | 1 |
| 3 | 98−9378 | Key−Feather | 1 |
| 4 | 98−9616 | Tappet | 6 |
| 5 | 98−9509 | Push Rod | 6 |
| 6 | 98−7449 | Screw−Set | 1 |
| 7 | 99−8362 | Asm−Camshaft (Incl. Ref. #1−3, 6 & 15) | 1 |
| 8 | 98−7692 | Bolt | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 98−9533 | Shaft−Gear, Idle | 1 |
| 10 | 98−9535 | Collar−Gear, Idle | 1 |
| 11 | 98−9649 | Asm−Gear, Idle (Incl. Ref. #12) | 1 |
| 12 | 98−9650 | Bushing−Gear, Idle | 1 |
| 13 | 98−9536 | Collar−Gear, Idle | 1 |
| 14 | 98−9534 | Clip−Circular, Idle Gear | 1 |
| 15 | 98−9351 | Bolt | 2 |

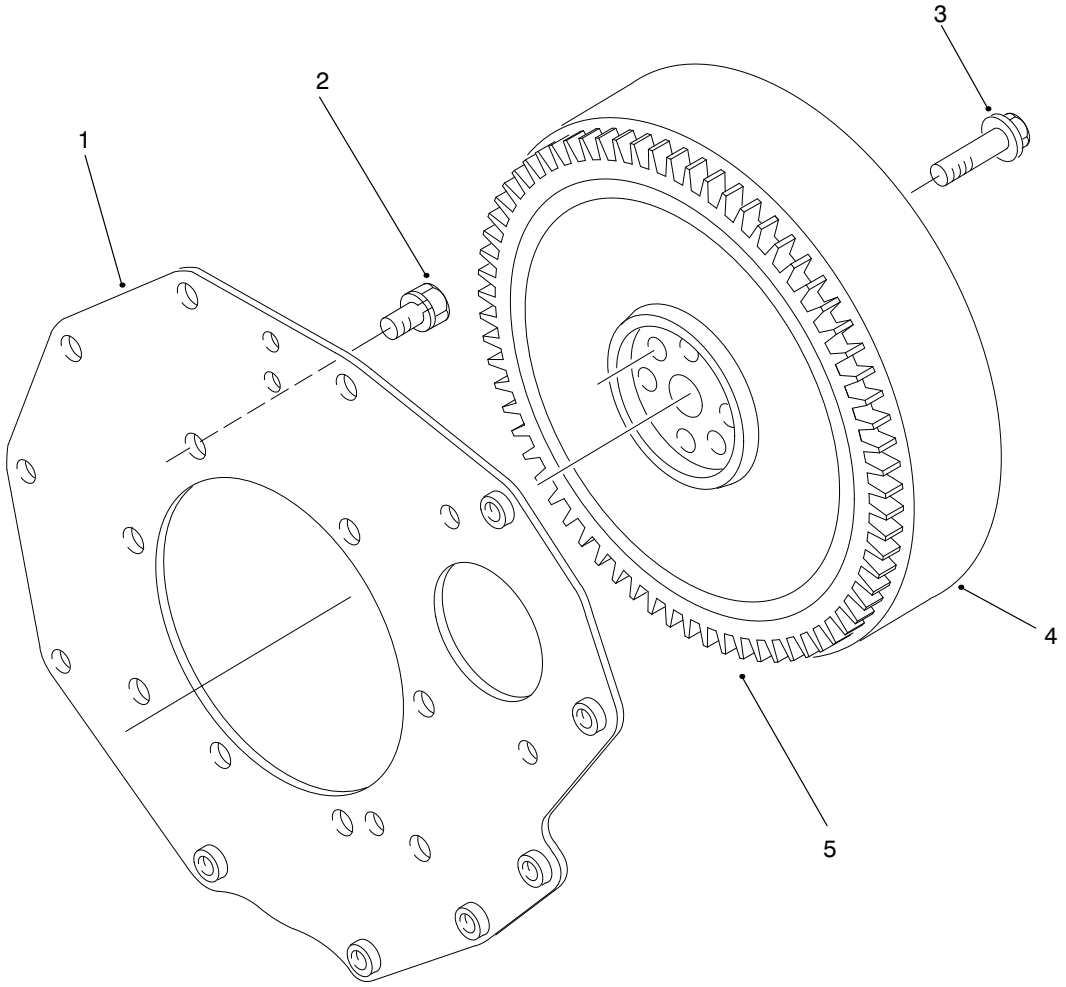



T−2914

# PISTON & CRANKSHAFT ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9517 | Bolt−Connecting Rod | 6 |
| 2 | 98−9553 | Metal−Crankpin (Std) | 3 |
| 2 | 98−9519 | Metal−Crankpin (0.2mm Undersize) | 3 |
| 2 | 98−9520 | Metal−Crankpin (0.4mm Undersize) | 3 |
| 3 | 98−9515 | Bushing−Piston Pin | 3 |
| 4 | 98−9514 | Clip−Circular, Piston Pin | 6 |
| 5 | 98−9513 | Pin−Piston | 3 |
| 6 | 98−9551 | Asm−Piston Ring (Std) | 3 |
| 6 | 98−9619 | Asm−Piston Ring (0.5mm Oversize) | 3 |
| 7 | 98−9550 | Piston (Std) | 3 |
| 7 | 98−9470 | Piston (0.5mm Oversize) | 3 |
| 8 | 98−9542 | Gear−Oil Pump Drive | 1 |
| 9 | 98−9532 | Gear−Crankshaft | 1 |
| 10 | 98−9666 | Key | 1 |
| 11 | 98−7473 | Ball | 3 |
| 12 | 98−9375 | Pin−Straight | 1 |
| 13 | 98−9522 | Sleeve−Crankshaft | 1 |
| 14 | 98−9413 | Metal−Side (Std) | 2 |
| 14 | 98−9414 | Metal−Side (0.2mm Oversize) | 2 |
| 14 | 98−9415 | Metal−Side (0.4mm Oversize) | 2 |
| 15 | 98−9688 | Metal−Side (Std) | 2 |
| 15 | 98−9689 | Metal−Side (0.2mm Oversize) | 2 |
| 15 | 98−9690 | Metal−Side (0.4mm Oversize) | 2 |
| 16 | 98−9556 | Metal−Crankshaft (Std) | 1 |
| 16 | 98−9526 | Metal−Crankshaft (0.2mm Undersize) | 1 |
| 16 | 98−9527 | Metal−Crankshaft (0.4mm Undersize) | 1 |
| 17 | 98−9555 | Metal−Crankshaft (Std Set) | 2 |
| 17 | 98−9530 | Metal−Crankshaft (0.2mm Undersize Set) | 2 |
| 17 | 98−9531 | Metal−Crankshaft (0.4mm Undersize Set) | 2 |
| 18 | 98−9554 | Metal−Crankshaft (Std) | 1 |
| 18 | 98−9528 | Metal−Crankshaft (0.2mm Undersize) | 1 |
| 18 | 98−9529 | Metal−Crankshaft (0.4mm Undersize) | 1 |
| 19 | 98−9373 | O−Ring | 1 |
| 20 | 98−9521 | Collar−Crankshaft | 1 |
| * | 98−9552 | Asm−Rod, Connecting (Incl. Ref. #1−3) | 3 |
| * | 98−9642 | Asm−Crankshaft (Incl. Ref. #8−13) | 1 |

*Not Illustrated



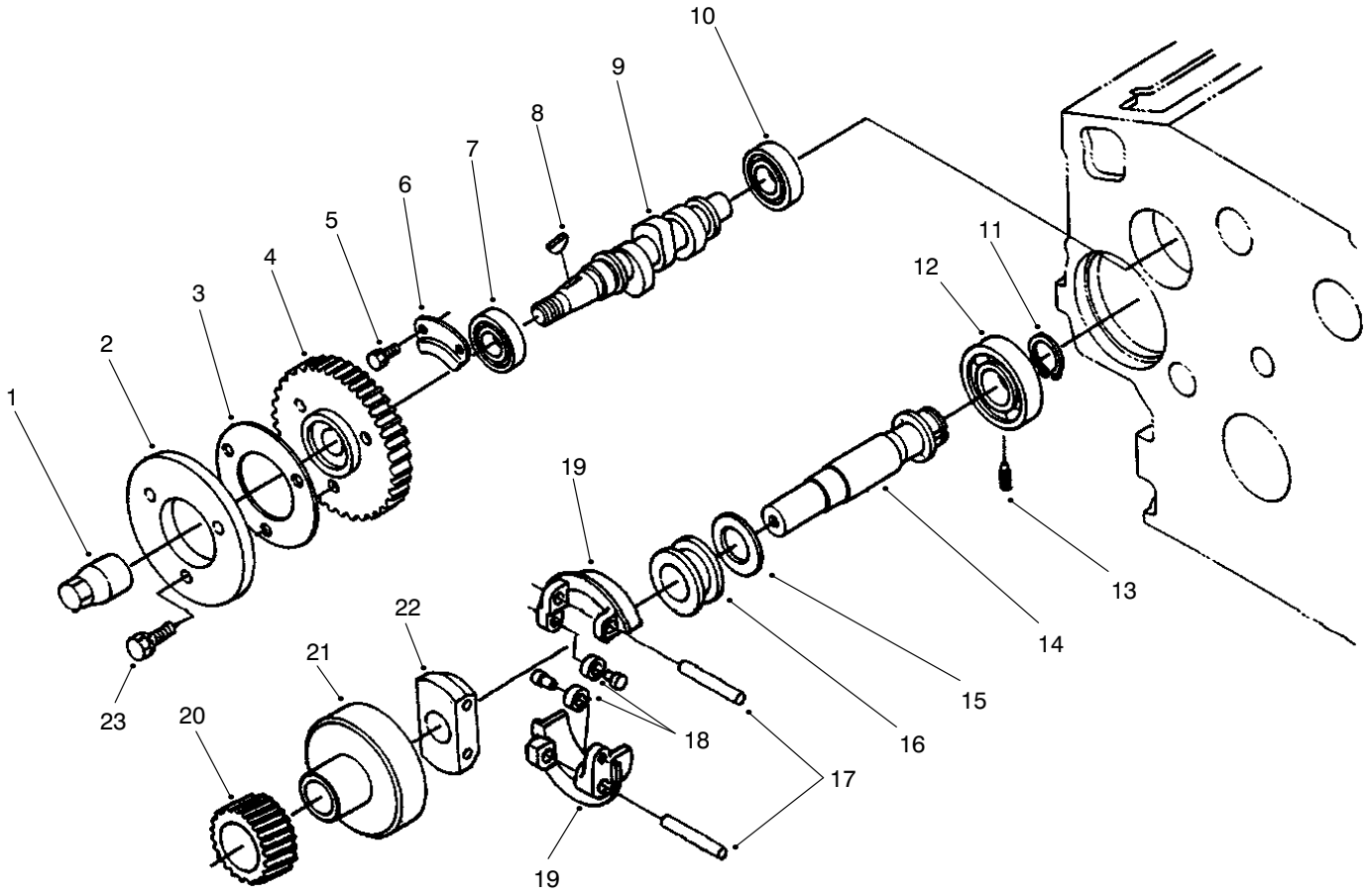

T−2915

# FLYWHEEL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9486 | Plate−End, Rear | 1 |
| 2 | 98−9392 | Bolt | 8 |
| 3 | 98−9537 | Bolt−Flywheel | 6 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 4 | 98−9691 | Asm−Flywheel (Incl. Ref. #5) | 1 |
| 5 | 98−9394 | Gear−Ring | 1 |

*Not Illustrated

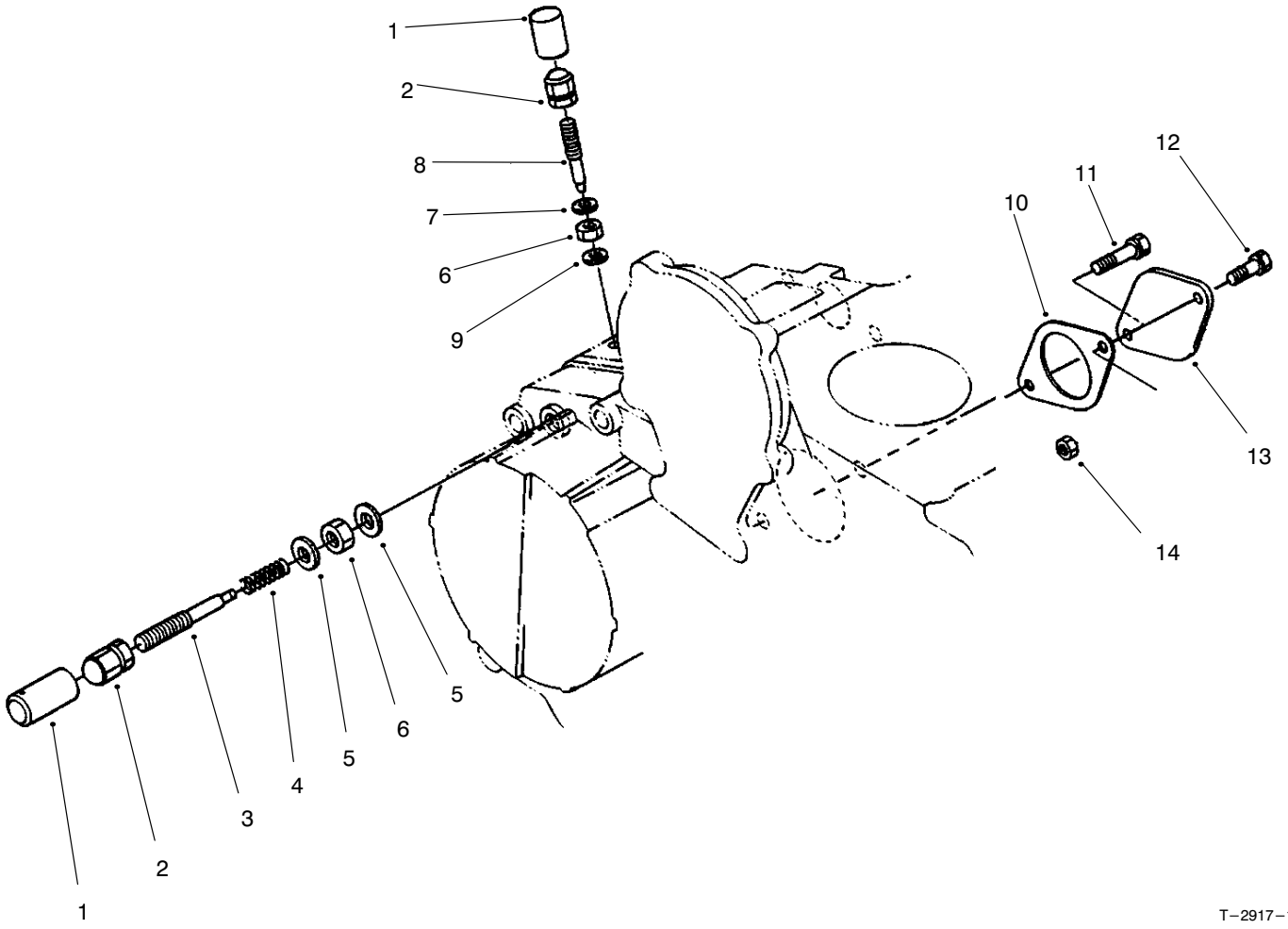



T−2916

# FUEL CAMSHAFT ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9590 | Nut−Cap | 1 |
| 2 | 98−9547 | Cam−Fuel | 1 |
| 3 | 98−9548 | Washer | 1 |
| 4 | 98−9669 | Gear−Injection Pump | 1 |
| 5 | 98−9350 | Bolt | 2 |
| 6 | 98−9511 | Stopper−Fuel, Camshaft | 1 |
| 7 | 98−9383 | Bearing−Ball | 1 |
| 8 | 98−9595 | Key−Woodruff | 1 |
| 9 | 98−9459 | Camshaft−Fuel | 1 |
| 10 | 98−9382 | Bearing−Ball | 1 |
| 11 | 98−9657 | Clip−Circular, Gov. Shaft | 1 |
| 12 | 98−9381 | Bearing−Ball | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 13 | 98−9565 | Screw−Set | 1 |
| 14 | 98−9644 | Asm−Shaft, Governor (Incl. Ref. #12 & 14−22) | 1 |
| 15 | 98−9564 | Washer−Thrust | 1 |
| 16 | 98−9563 | Sleeve−Governor | 1 |
| 17 | 98−9560 | Shaft−Governor Weight | 2 |
| 18 | 98−9692 | Roller | 2 |
| 19 | 98−9559 | Asm−Weight, Governor | 2 |
| 20 | 98−9673 | Gear−Governor | 1 |
| 21 | 98−9562 | Holder−Gear, Governor | 1 |
| 22 | 98−9561 | Holder−Gear, Governor | 1 |
| 23 | 98−7605 | Bolt | 3 |



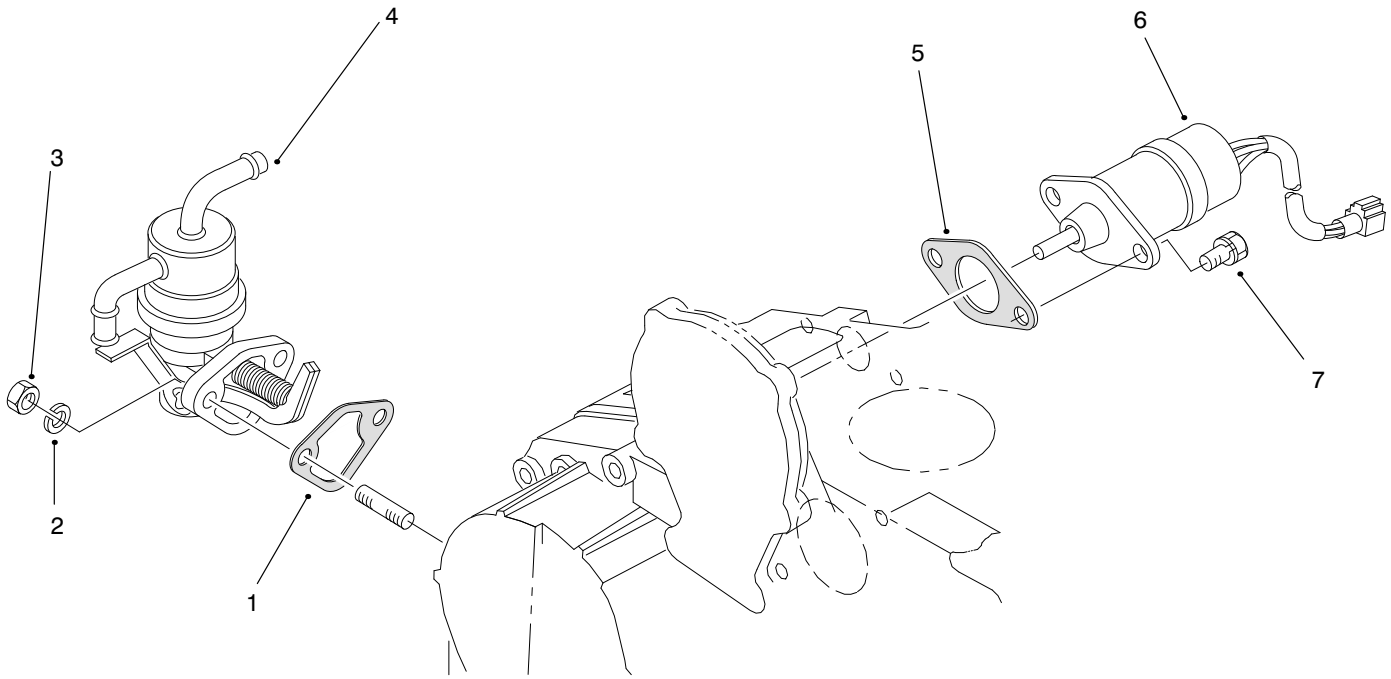

T−2917−1

# ENGINE STOP LEVER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8390 | Lock−Pipe, Fuel Adjust. | 2 |
| 2 | 99−8387 | Nut−Cap | 2 |
| 3 | 98−9679 | Asm−Bolt, Adjusting (Incl. Ref. #4) | 1 |
| 4 | | Spring | 1 |
| 5 | 98−7654 | Gasket | 2 |
| 6 | 99−8386 | Nut | 2 |
| 7 | 99−8388 | Gasket 10mm Dia. | 1 |
| 8 | 98−9557 | Bolt−Adjusting | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 99−8389 | Gasket 14mm Dia. | 1 |
| 10 | 98−9674 | Packing | 1 |
| 11 | 98−7645 | Bolt | 1 |
| 12 | 98−9359 | Bolt | 1 |
| 13 | 98−9640 | Cover−Pump | 1 |
| 14 | 98−7534 | Nut | 1 |
| * | 98−9678 | Asm−Apparatus, Idle (Incl. Ref. #1−6) | 1 |

*Not Illustrated



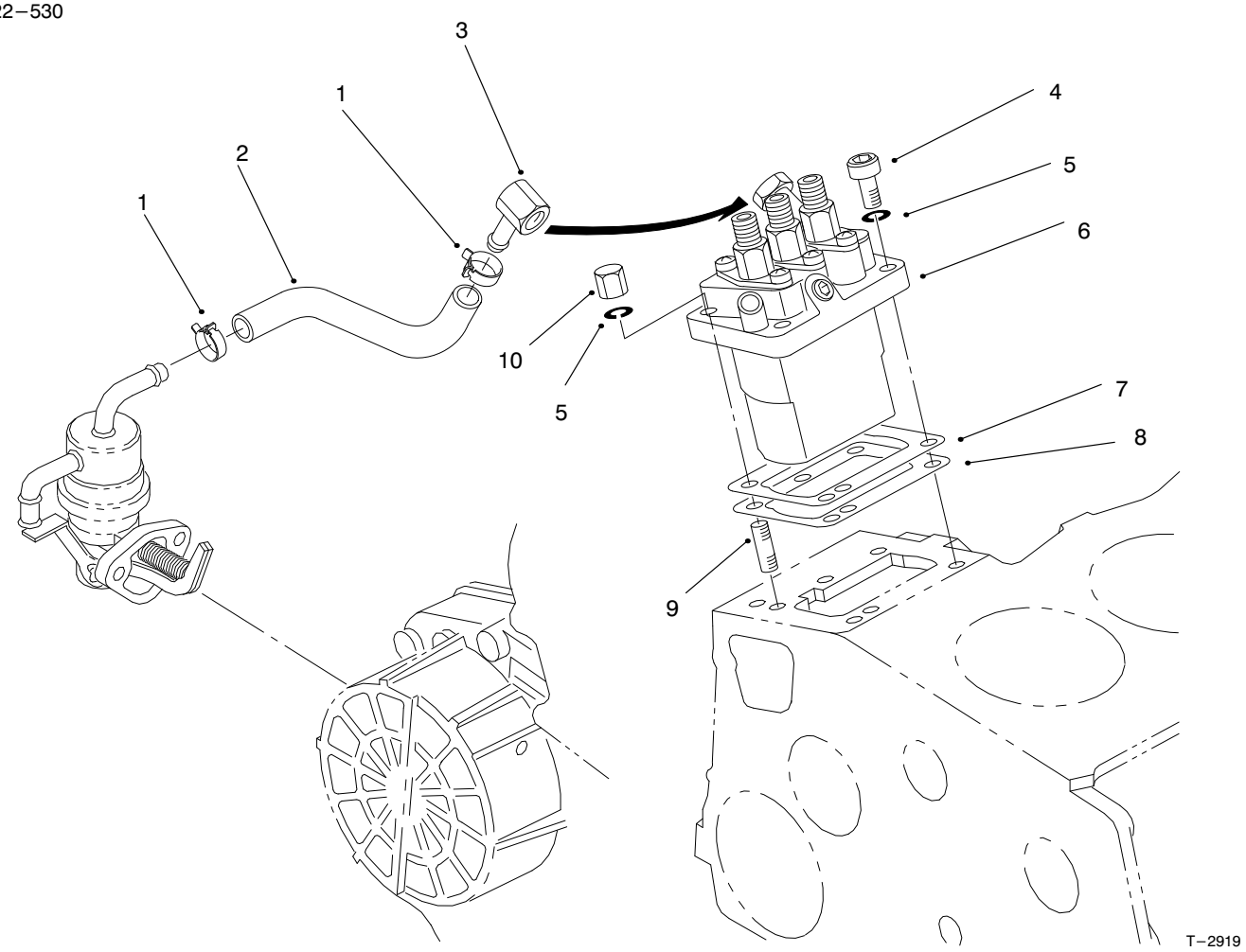

T−2918

# STOP SOLENOID & FUEL PUMP ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9636 | Gasket−Fuel Pump | 1 |
| 2 | 98−9367 | Washer−Lock | 2 |
| 3 | 98−7572 | Nut | 2 |
| 4 | 98−9677 | Asm−Pump, Fuel | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 5 | 98−9683 | Gasket−Solenoid Cover | 1 |
| 6 | 98−9693 | Solenoid−Stop | 1 |
| 7 | 98−9351 | Bolt | 2 |

*Not Illustrated

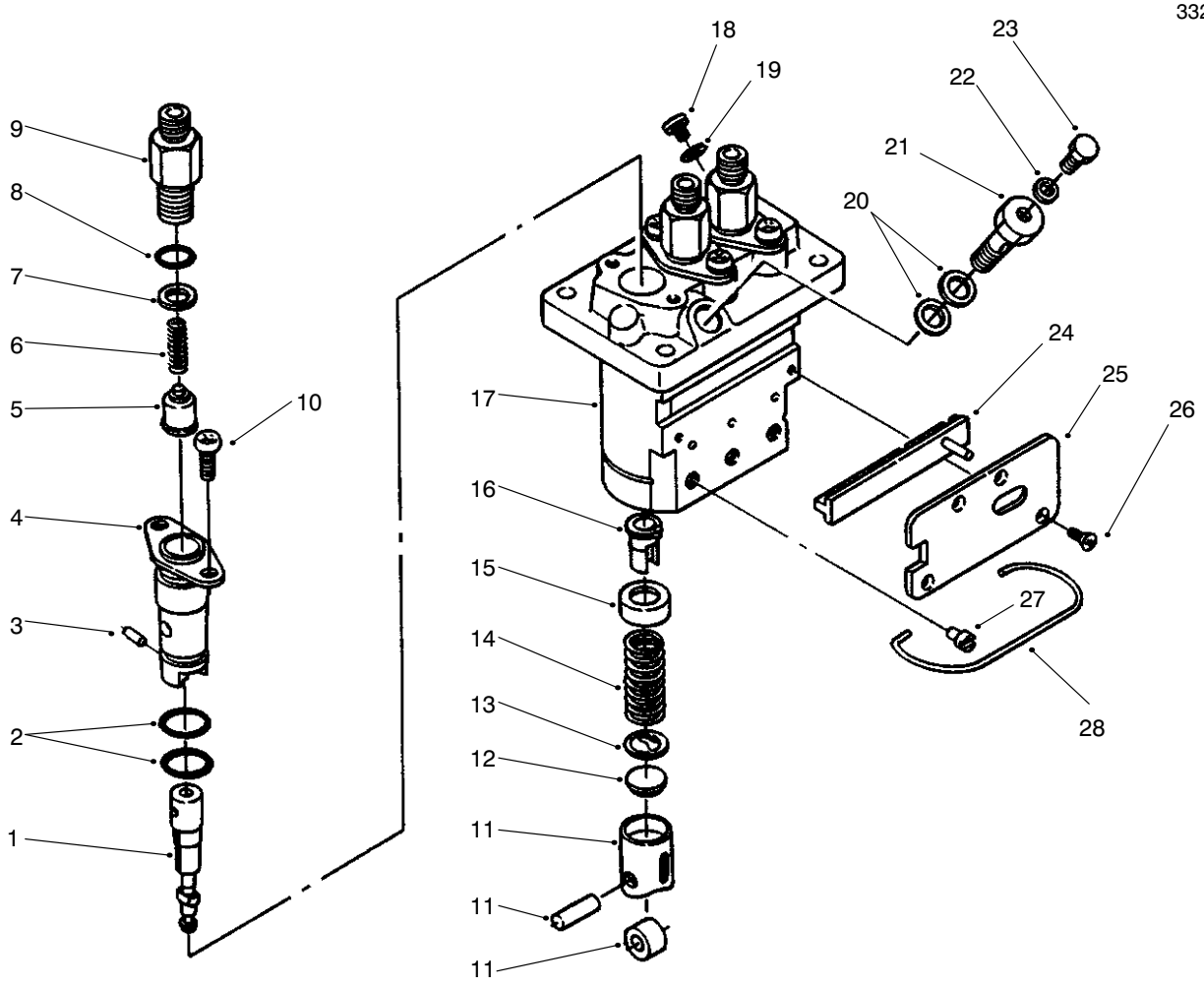



# INJECTION PUMP ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9545 | Band−Pipe | 2 |
| 2 | 98−9384 | Tube−Fuel | 1 |
| 3 | 98−9596 | Joint−Eye | 1 |
| 4 | 98−9361 | Bolt | 2 |
| 5 | 98−9367 | Washer−Lock | 4 |
| 6 | 98−9643 | Asm−Pump, Injection | 1 |
| 7 | 98−9456 | Shim−Injection (0.2mm) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 7 | 98−9457 | Shim−Injection (0.25mm) | 1 |
| 8 | 98−9458 | Shim−Injection (0.30mm) | 1 |
| 9 | 98−9438 | Stud | 2 |
| 10 | 98−9440 | Nut−Cap | 2 |
| * | 98−9467 | Asm−Pipe, Fuel (Incl. Ref. #1 & 2) | 1 |

*Not Illustrated

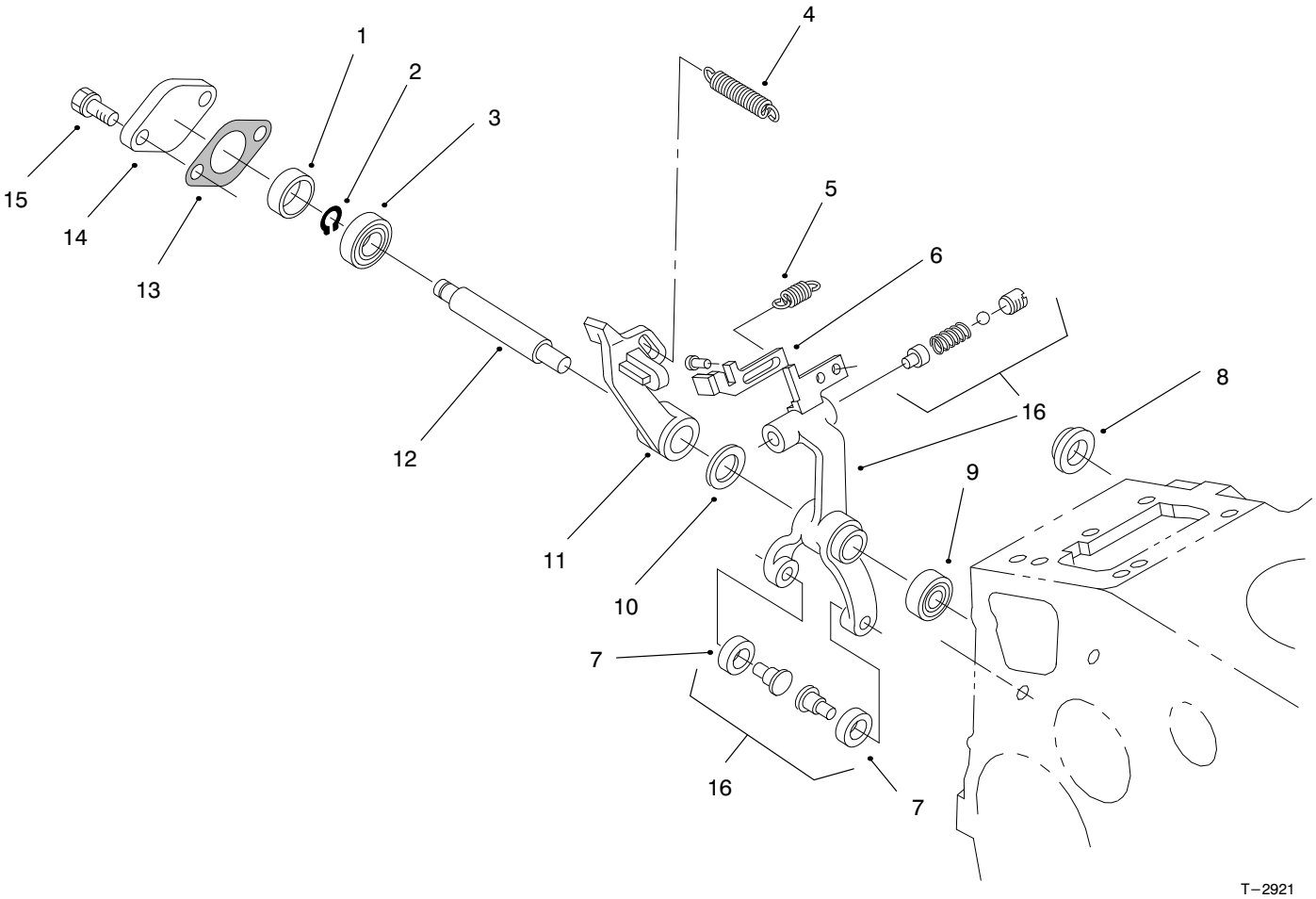



T−2920

# INJECTION PUMP ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9462 | Element−Pump | 3 |
| 2 | 98−9423 | O−Ring | 6 |
| 3 | 98−9443 | Pin−Joint | 3 |
| 4 | 98−9434 | Flange−Sleeve | 3 |
| 5 | 98−9421 | Valve−Delivery | 3 |
| 6 | 98−9424 | Spring−Valve, Delivery | 3 |
| 7 | 98−9425 | Gasket−Valve, Delivery | 3 |
| 8 | 98−9447 | O−Ring | 3 |
| 9 | 98−9652 | Holder−Valve, Delivery | 3 |
| 10 | 98−9452 | Screw | 6 |
| 11 | 98−9422 | Asm−Tappet | 3 |
| 12 | 98−9433 | Shim | 3 |
| 13 | 98−9429 | Seat−Spring, Lower | 3 |
| 14 | 98−9428 | Spring−Plunger | 3 |
| 15 | 98−9427 | Seat−Spring, Upper | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 16 | 98−9432 | Sleeve−Control | 3 |
| 17 | 98−9643 | Asm−Pump, Injection (Incl. Ref. #1−16 & 18−28) | 1 |
| 18 | 98−9466 | Plug | 1 |
| 19 | 98−9451 | Gasket | 1 |
| 20 | 98−9445 | Gasket | 2 |
| 21 | 98−9464 | Bolt−Joint | 1 |
| 22 | 98−9446 | Gasket | 1 |
| 23 | 98−9430 | Screw | 1 |
| 24 | 98−9463 | Rack−Control | 1 |
| 25 | 98−9465 | Plate | 1 |
| 26 | 98−9442 | Screw−Countersunk Hd. | 4 |
| 27 | 98−9426 | Pin−Guide, Tappet | 3 |
| 28 | 98−9450 | Pin−Clamp | 1 |

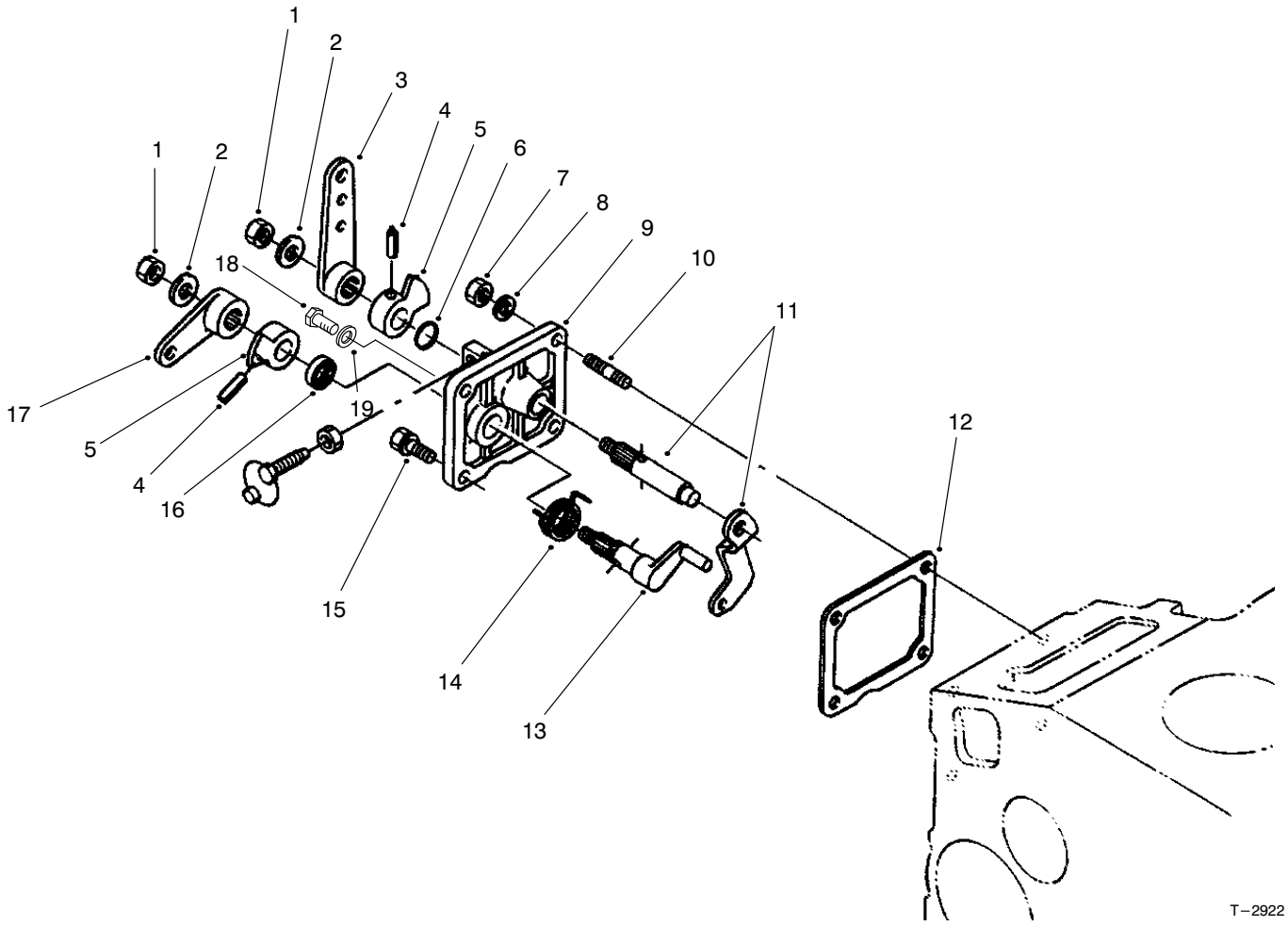



# GOVERNOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9567 | Collar | 1 |
| 2 | 98−9369 | Clip−Circular, External | 1 |
| 3 | 98−9570 | Bearing−Miniature | 1 |
| 4 | 98−9681 | Spring−Governor | 1 |
| 5 | 98−9645 | Spring−Start | 1 |
| 6 | 98−9660 | Lever−Thrust | 1 |
| 7 | 98−9692 | Roller | 2 |
| 8 | 98−9568 | Collar | 1 |
| 9 | 98−9571 | Bearing−Miniature | 1 |
| 10 | 98−9593 | Washer−Flat | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 11 | 98−9659 | Lever−Fork | 1 |
| 12 | 98−9566 | Shaft−Lever, Fork | 1 |
| 13 | 98−9682 | Gasket | 1 |
| 14 | 98−9569 | Cover−Shaft, Fork Lever | 1 |
| 15 | 98−9351 | Bolt | 2 |
| 16 | 99−8380 | Complete Lever & Fork (Incl. Ref. #6 & 7) | 1 |
| * | 98−9680 | Asm−Lever, Fork (Incl. Ref. #2, 3, 10−12 & 16) | 1 |

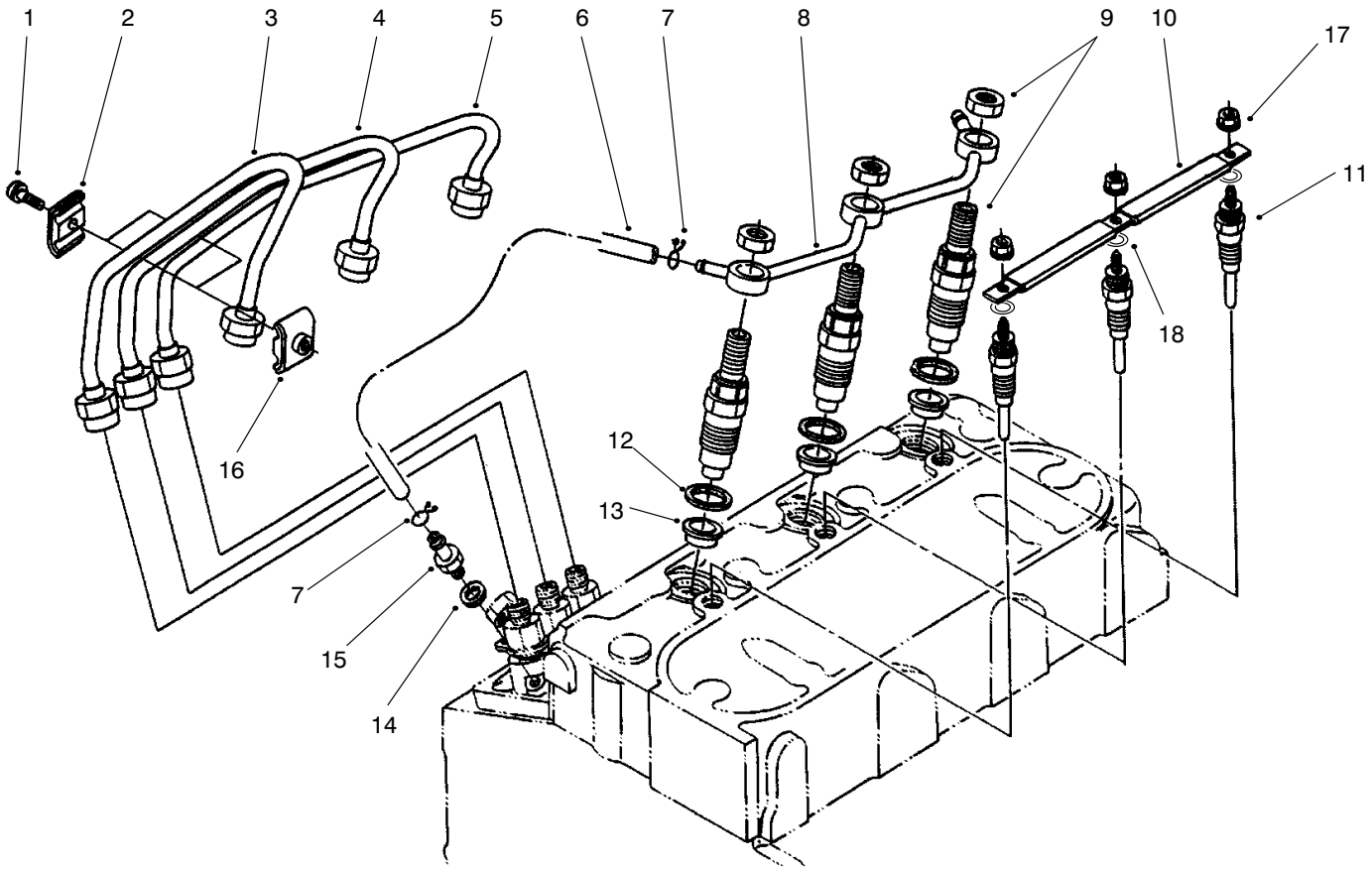
*Not Illustrated




# SPEED CONTROL PLATE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98–9589 | Nut | 2 |
| 2 | 98–9594 | Washer–Flat | 2 |
| 3 | 98–9662 | Lever–Speed Control | 1 |
| 4 | 98–7602 | Pin–Spring | 2 |
| 5 | 98–9572 | Lever–Speed Control | 2 |
| 6 | 98–9371 | O–Ring | 1 |
| 7 | 98–7572 | Nut | 2 |
| 8 | 98–9367 | Washer–Lock | 2 |
| 9 | 98–9661 | Asm–Plate, Control (Incl. Ref. #1–6, 11, 13, 14, 16 &17) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 10 | 98–9362 | Stud | 2 |
| 11 | 98–9658 | Asm–Lever, Governor | 1 |
| 12 | 98–9637 | Gasket | 1 |
| 13 | 98–9664 | Shaft–Stop Lever | 1 |
| 14 | 98–9472 | Spring–Return | 1 |
| 15 | 98–7692 | Bolt | 1 |
| 16 | 98–7601 | Seal–Oil | 1 |
| 17 | 98–9663 | Lever–Engine Stop | 1 |
| 18 | 99–8348 | Bolt | 1 |
| 19 | 98–7654 | Gasket | 1 |



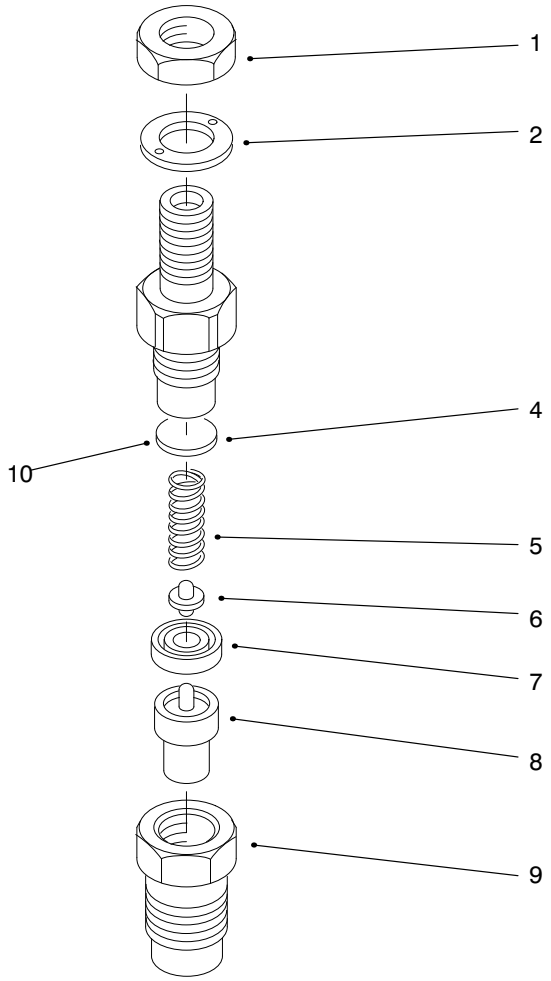

T−2923

# NOZZLE HOLDER & GLOW PLUG ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7684 | Screw w/washer | 2 |
| 2 | 98−7683 | Clamp−Pipe | 2 |
| 3 | 98−9622 | Pipe−Injection | 1 |
| 4 | 98−9654 | Pipe−Injection | 1 |
| 5 | 98−9655 | Pipe−Injection | 1 |
| 6 | 98−9624 | Asm−Pipe, Overflow (Incl. Ref. #7) | 1 |
| 7 | 98−7671 | Clip−Pipe | 2 |
| 8 | 98−9621 | Asm−Pipe, Overflow | 1 |
| 9 | 98−9468 | Asm−Holder, Nozzle | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 10 | 98−9631 | Cord−Glow Plug | 1 |
| 11 | 98−9623 | Plug−Glow | 3 |
| 12 | 98−7676 | Gasket | 3 |
| 13 | 98−7677 | Seat−Heat | 3 |
| 14 | 98−7654 | Gasket | 1 |
| 15 | 98−9431 | Screw−Air Bleed | 1 |
| 16 | 98−7682 | Clamp−Pipe | 2 |
| 17 | 99−8377 | Nut−Flange | 3 |
| 18 | 99−8378 | Washer−Plain | 3 |

*Not Illustrated



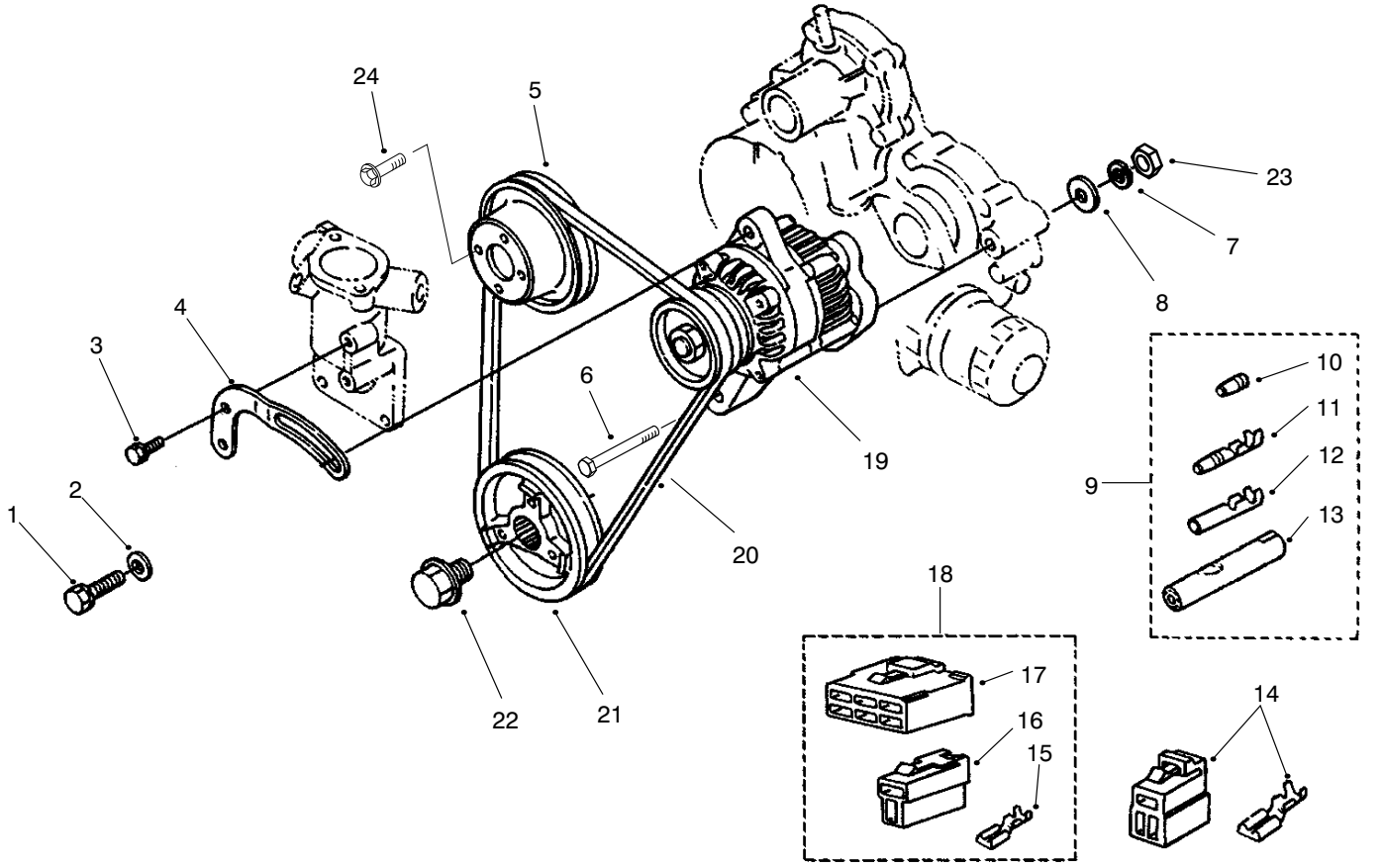

T–2924

# NOZZLE HOLDER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99–8301 | Nut | 3 |
| 2 | 99–8307 | Washer | 3 |
| 4 | 99–8302 | Washer–Adjusting | 3 |
| 5 | 99–8303 | Spring–Nozzle | 3 |
| 6 | 99–8305 | Push Rod | 3 |
| 7 | 99–8304 | Piece–Distance | 3 |
| 8 | 99–8308 | Piece–Nozzle | 3 |
| 9 | 99–8306 | Nut–Nozzle | 3 |
| 10 | 99–8309 | Asm–Washer, Adjusting | 3 |
| * | 99–8310 | Washer–Adj. (0.10mm) | 3 |
| * | 99–8311 | Washer–Adj. (0.20mm) | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 10 | 99–8312 | Washer–Adj. (0.30mm) | 3 |
| * | 99–8313 | Washer–Adj. (0.40mm) | 3 |
| * | 99–8314 | Washer–Adj. (0.50mm) | 3 |
| * | 99–8315 | Washer–Adj. (0.52mm) | 3 |
| * | 99–8316 | Washer–Adj. (0.54mm) | 3 |
| * | 99–8317 | Washer–Adj. (0.56mm) | 3 |
| * | 99–8318 | Washer–Adj. (0.58mm) | 3 |
| * | 99–8319 | Washer–Adj. (0.80mm) | 3 |
| * | 98–9468 | Asm–Holder, Nozzle (Incl. Ref. #1–9) | 3 |

*Not Illustrated

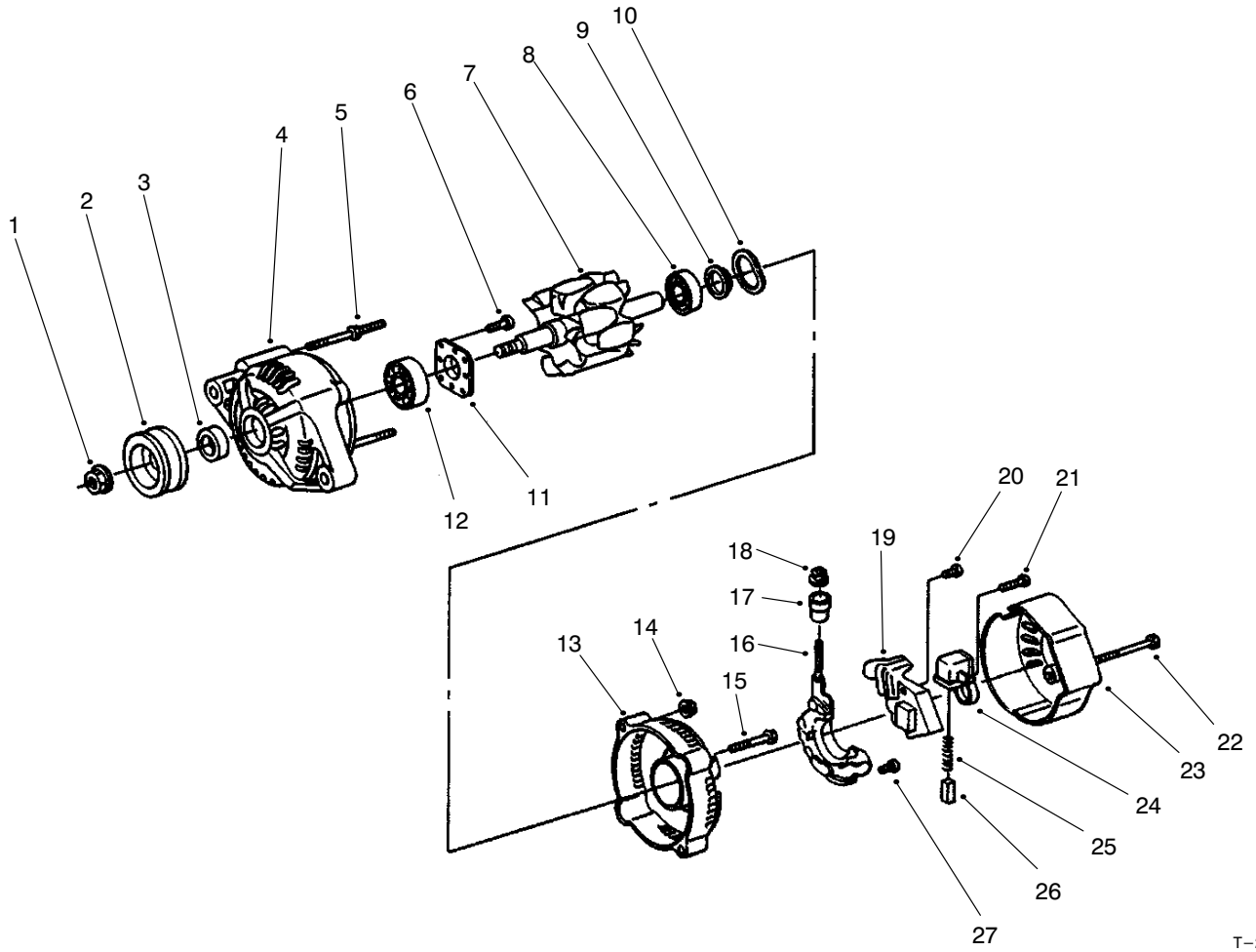



T−2926−1

# ALTERNATOR & PULLEY ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7697 | Bolt | 1 |
| 2 | 98−7698 | Washer−Flat | 1 |
| 3 | 98−7692 | Bolt | 1 |
| 4 | 98−9573 | Stay−Dynamo | 1 |
| 5 | 98−9584 | Pulley−Fan | 1 |
| 6 | 98−9360 | Bolt | 1 |
| 7 | 98−9368 | Washer−Lock | 1 |
| 8 | 98−9366 | Washer−Flat | 1 |
| 9 | 98−9700 | Asm−Terminal (Incl. Ref. #10−13) | 1 |
| 10 | 98−9701 | Terminal | 1 |
| 11 | 98−9702 | Sleeve | 1 |
| 12 | 98−9703 | Terminal | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 13 | 98−9704 | Sleeve | 1 |
| 14 | 98−9602 | Asm−Coupler, Lock | 1 |
| 15 | 98−9699 | Terminal | 7 |
| 16 | 98−9698 | Connector | 1 |
| 17 | 98−9697 | Connector | 1 |
| 18 | 98−9696 | Asm−Coupler (Incl. Ref. #15−17) | 1 |
| 19 | 98−9474 | Asm−Alternator | 1 |
| 20 | 98−9676 | V−Belt | 1 |
| 21 | 98−9473 | Pulley−Fan Drive | 1 |
| 22 | 98−9585 | Bolt | 1 |
| 23 | 98−7737 | Nut | 1 |
| 24 | 99−8363 | Bolt−Flange | 4 |

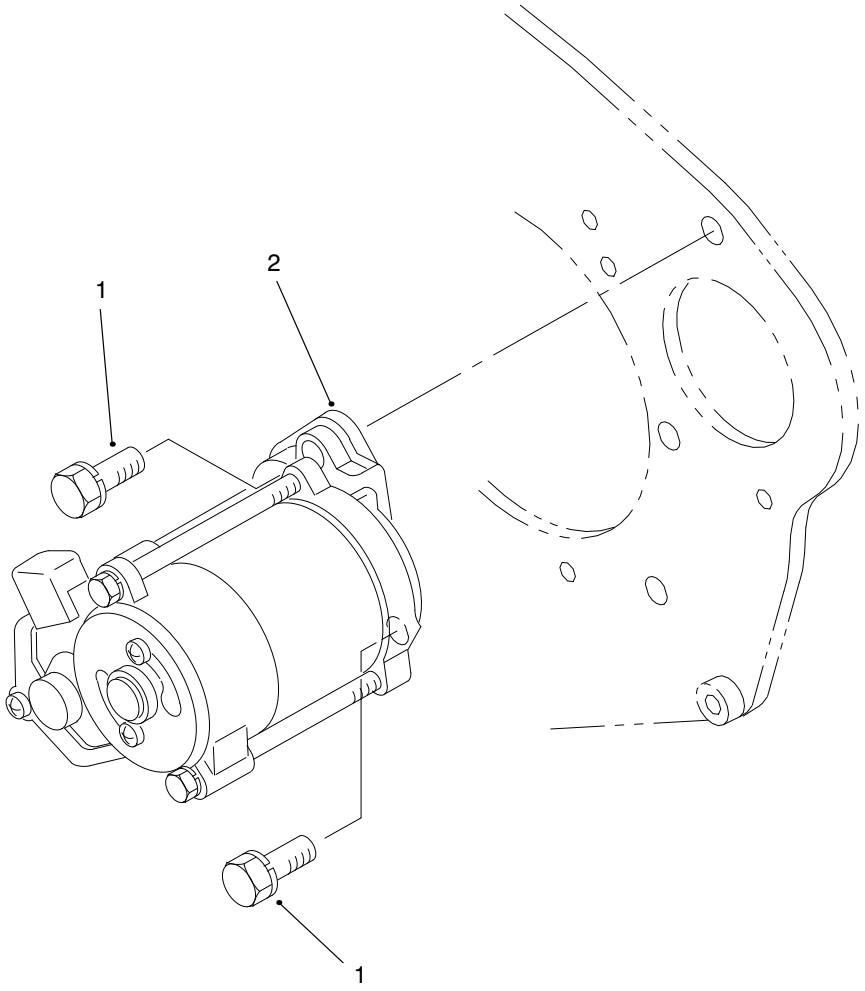



# ALTERNATOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7708 | Nut | 1 |
| 2 | 98−9453 | Pulley−Dynamo | 1 |
| 3 | 98−7709 | Collar | 1 |
| 4 | 98−7714 | Frame−Drive End | 1 |
| 5 | 98−7717 | Bolt−Through | 2 |
| 6 | 98−7716 | Screw−RH | 4 |
| 7 | 98−7710 | Rotor | 1 |
| 8 | 98−7712 | Bearing−Ball | 1 |
| 9 | 98−7711 | Cover−Bearing | 1 |
| 10 | 98−7713 | Washer−Thrust | 1 |
| 11 | 98−7715 | Plate−Retainer | 1 |
| 12 | 98−7718 | Bearing−Ball | 1 |
| 13 | 98−7719 | Frame−End | 1 |
| 14 | 98−7730 | Nut | 2 |
| 15 | 98−7731 | Bolt | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 16 | 98−7721 | Asm−Rectifier | 1 |
| 17 | 98−7722 | Bushing−Insulation | 1 |
| 18 | 98−7732 | Nut | 1 |
| 19 | 98−7733 | Asm−Regulator | 1 |
| 20 | 98−7726 | Screw−RH | 2 |
| 21 | 98−7728 | Screw−RH | 1 |
| 22 | 98−7729 | Bolt | 3 |
| 23 | 98−7720 | Cover−End | 1 |
| 24 | 98−7723 | Holder−Brush | 1 |
| 25 | 98−7725 | Spring−Brush | 2 |
| 26 | 98−7724 | Brush | 2 |
| 27 | 98−7727 | Screw−RH | 6 |
| * | 98−9474 | Asm−Alternator (Incl. Ref. #1−27) | 1 |

*Not Illustrated

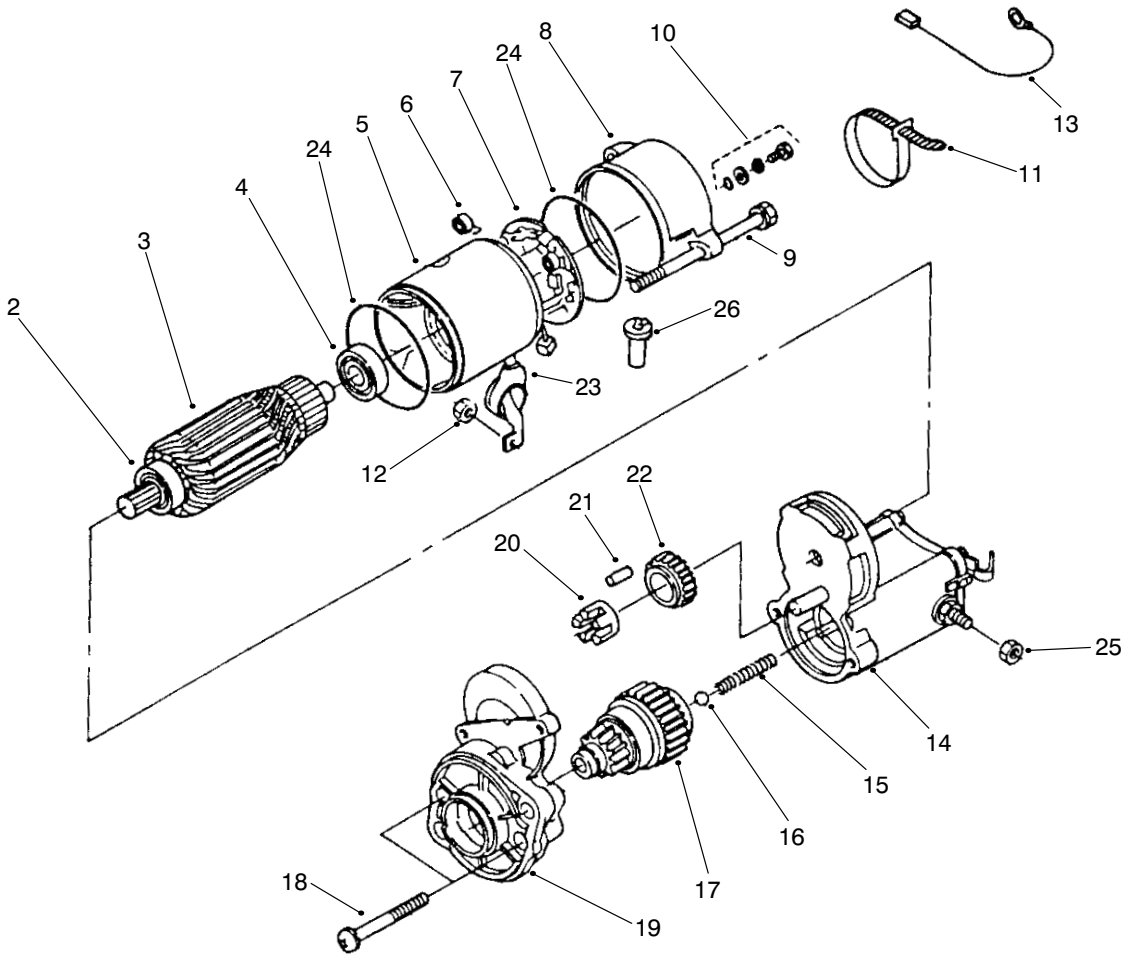



T−2928

# STARTER MOUNT ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−7697 | Bolt | 2 |
| 2 | 98−9705 | Asm−Starter | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|



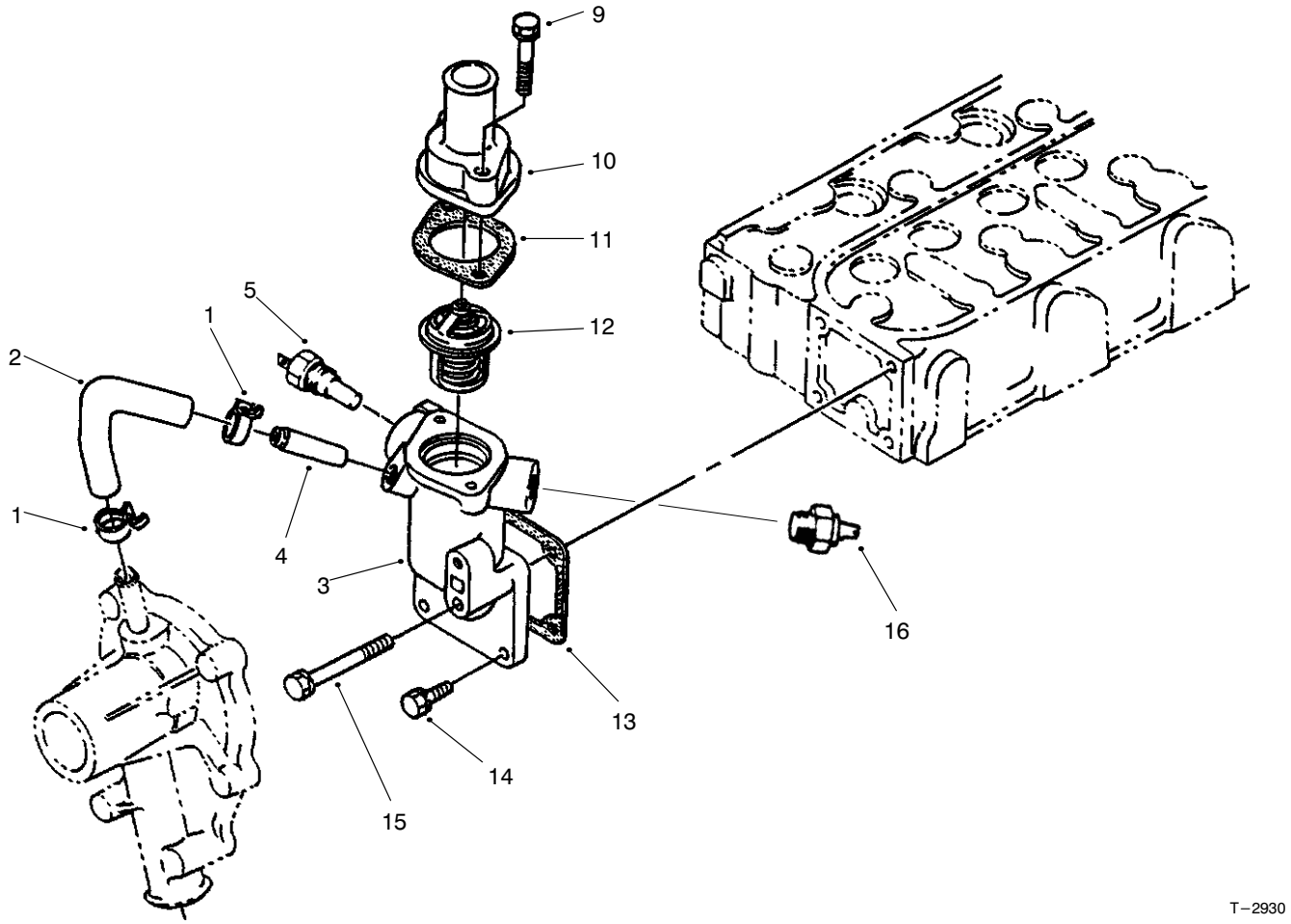

T−3081

# STARTER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 2 | 98−7743 | Bearing−Ball | 1 |
| 3 | 98−7742 | Asm−Armature (Incl. Ref. #2 & 4) | 1 |
| 4 | 98−7744 | Bearing−Ball | 1 |
| 5 | 98−7741 | Asm−Yoke | 1 |
| 6 | 98−7750 | Spring−Brush | 4 |
| 7 | 98−7749 | Asm−Holder, Brush (Incl. Ref. #6) | 1 |
| 8 | 99−8370 | Frame−End | 1 |
| 9 | 98−9549 | Bolt | 2 |
| 10 | 98−7758 | Asm−Bolt | 2 |
| 11 | 98−9712 | Band−Cover | 1 |
| 12 | 99−8371 | Nut−Hex. | 1 |
| 13 | 98−9711 | Cord−Stop, Solenoid | 1 |
| 14 | 99−8372 | Asm−Switch, Magnetic | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 15 | 98−7754 | Spring | 1 |
| 16 | 98−7755 | Ball | 1 |
| 17 | 99−8373 | Clutch | 1 |
| 18 | 98−7756 | Bolt | 2 |
| 19 | 99−8374 | Frame−Drive End | 1 |
| 20 | 98−7752 | Retainer | 1 |
| 21 | 98−7753 | Roller | 5 |
| 22 | 98−7751 | Gear | 1 |
| 23 | 99−8375 | Cover−Cord | 1 |
| 24 | 98−7757 | O−Ring | 2 |
| 25 | 99−8376 | Nut | 1 |
| 26 | 98−7759 | Pipe−Drain | 1 |
| * | 98−9705 | Asm−Starter (Incl. Ref. #2−26) | 1 |

*Not Illustrated

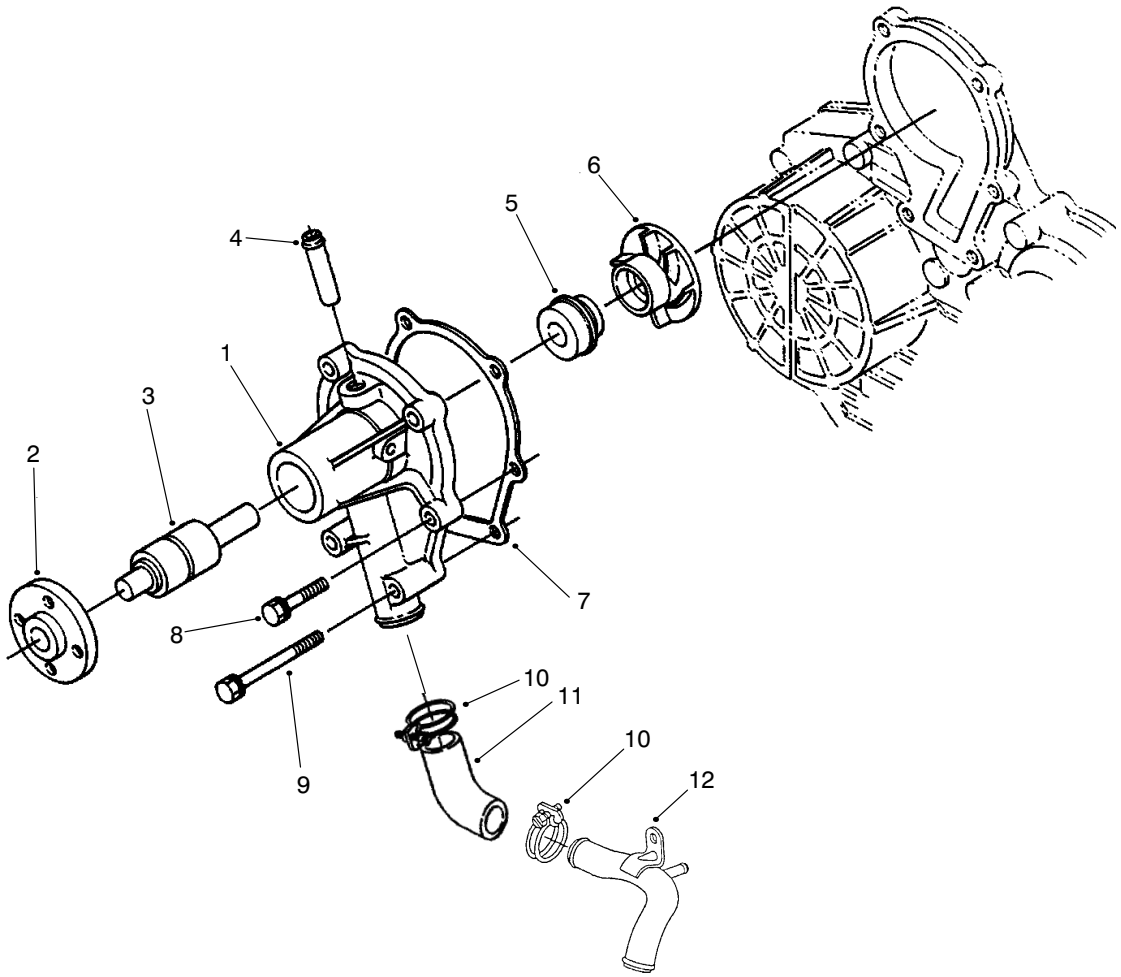



T−2930

# WATER FLANGE & THERMOSTAT ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9579 | Band Pipe | 2 |
| 2 | 98−9578 | Pipe−Return, Water | 1 |
| 3 | 98−9713 | Asm−Flange, Water (Incl. Ref. #4) | 1 |
| 4 | 98−9580 | Pipe−Return, Water | 1 |
| 5 | 98−9719 | Thermoswitch | 1 |
| 9 | 98−7777 | Bolt | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 10 | 98−9471 | Cover−Thermostat | 1 |
| 11 | 98−7776 | Gasket | 1 |
| 12 | 98−7778 | Asm−Thermostat | 1 |
| 13 | 98−9638 | Gasket−Flange, Water | 1 |
| 14 | 98−7692 | Bolt | 3 |
| 15 | 98−9356 | Bolt | 1 |
| 16 | 98−9346 | Switch | 1 |

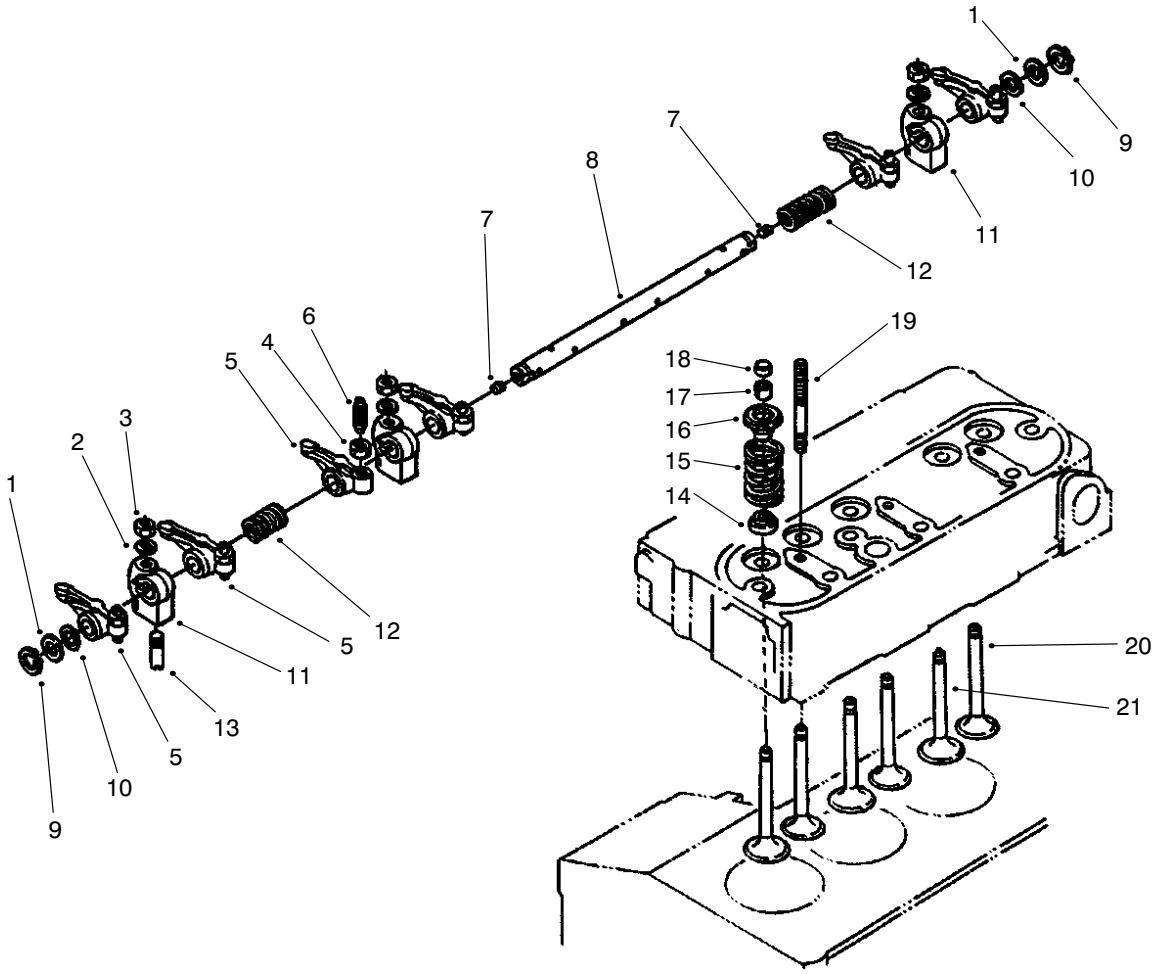



T−2931

# WATER PUMP ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9575 | Asm−Pump, Water (Incl. Ref. #2−6) | 1 |
| 2 | 98−9582 | Flange−Pump, Water | 1 |
| 3 | 98−9583 | Bearing | 1 |
| 4 | 98−9577 | Pipe−Return, Water | 1 |
| 5 | 98−9576 | Asm−Seal | 1 |
| 6 | 98−9581 | Impeller−Water | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 7 | 98−9632 | Gasket−Pump, Water | 1 |
| 8 | 98−9353 | Bolt | 1 |
| 9 | 98−9357 | Bolt | 4 |
| 10 | 98−9717 | Clamp | 2 |
| 11 | 98−9574 | Pipe−Water | 1 |
| 12 | 99−8379 | Pipe−Water | 1 |

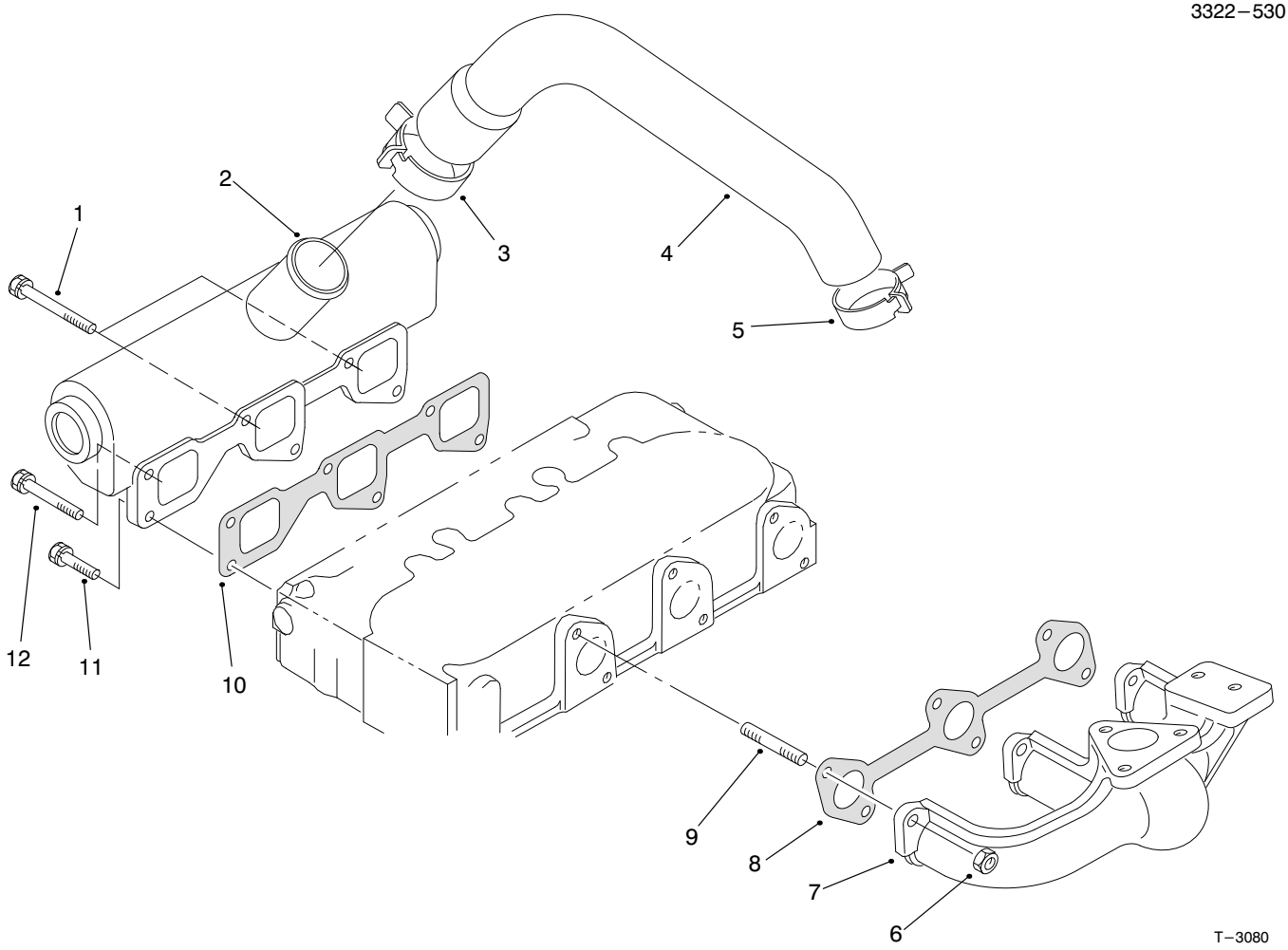



T−2932

# VALVE & ROCKER ARM ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98−9508 | Washer−Shaft, Rocker Arm | 2 |
| 2 | 98−9385 | Washer−Flat | 3 |
| 3 | 98−9393 | Nut | 3 |
| 4 | 98−9503 | Nut | 6 |
| 5 | 98−9501 | Asm−Arm, Rocker (Incl. Ref. #4 & 6) | 6 |
| 6 | 98−9502 | Screw−Adjusting | 6 |
| 7 | 98−9365 | Screw−Set | 2 |
| 8 | 98−9612 | Asm−Shaft, Rocker Arm (Incl. Ref. #7) | 1 |
| 9 | 98−9370 | Clip−Circular, External | 2 |
| 10 | 98−9507 | Washer−Shaft, Rocker Arm | 2 |

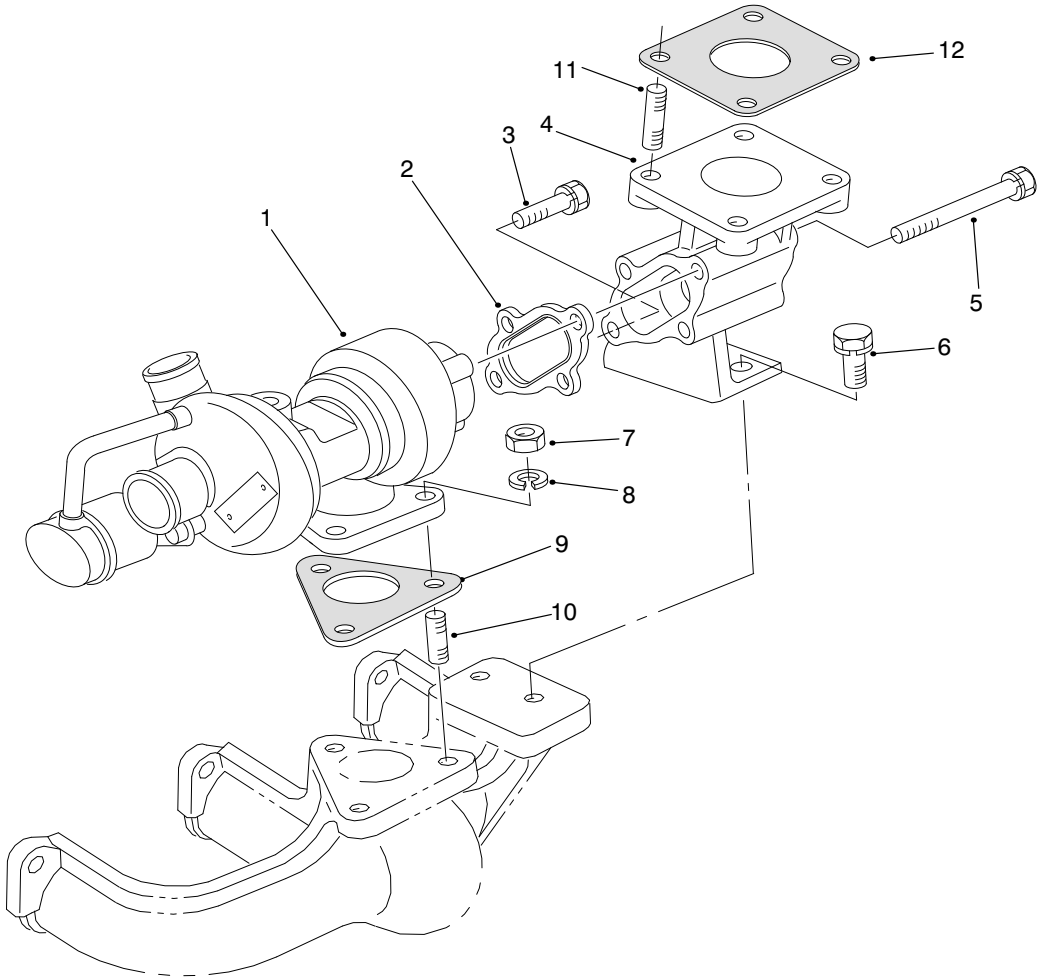
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 11 | 98−9505 | Bracket−Rocker Arm | 3 |
| 12 | 98−9504 | Spring−Rocker Arm | 2 |
| 13 | 98−9391 | Screw−Set | 1 |
| 14 | 99−8385 | Seal−Valve Stem | 6 |
| 15 | 98−9626 | Spring−Valve | 6 |
| 16 | 98−9498 | Retainer−Valve Spring | 6 |
| 17 | 98−9390 | Collet−Valve Spring Set | 6 |
| 18 | 98−9497 | Cap−Valve | 6 |
| 19 | 98−9506 | Stud | 3 |
| 20 | 98−9625 | Valve−Exhaust | 3 |
| 21 | 98−9494 | Valve−Inlet | 3 |




# EXHAUST MANIFOLD & GASKET ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8320 | Bolt | 2 |
| 2 | 99−8321 | Manifold−Inlet | 1 |
| 3 | 99−8322 | Band−Pipe | 1 |
| 4 | 99−8323 | Hose−Inlet | 1 |
| 5 | 99−8324 | Band−Pipe | 1 |
| 6 | 98−9665 | Nut | 6 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 7 | 99−8326 | Manifold−Exhaust | 1 |
| 8 | 99−8327 | Gasket−Exhaust | 1 |
| 9 | 98−9588 | Stud | 6 |
| 10 | 99−8329 | Gasket−Intake | 1 |
| 11 | 98−7568 | Bolt | 3 |
| 12 | 98−7496 | Bolt | 1 |

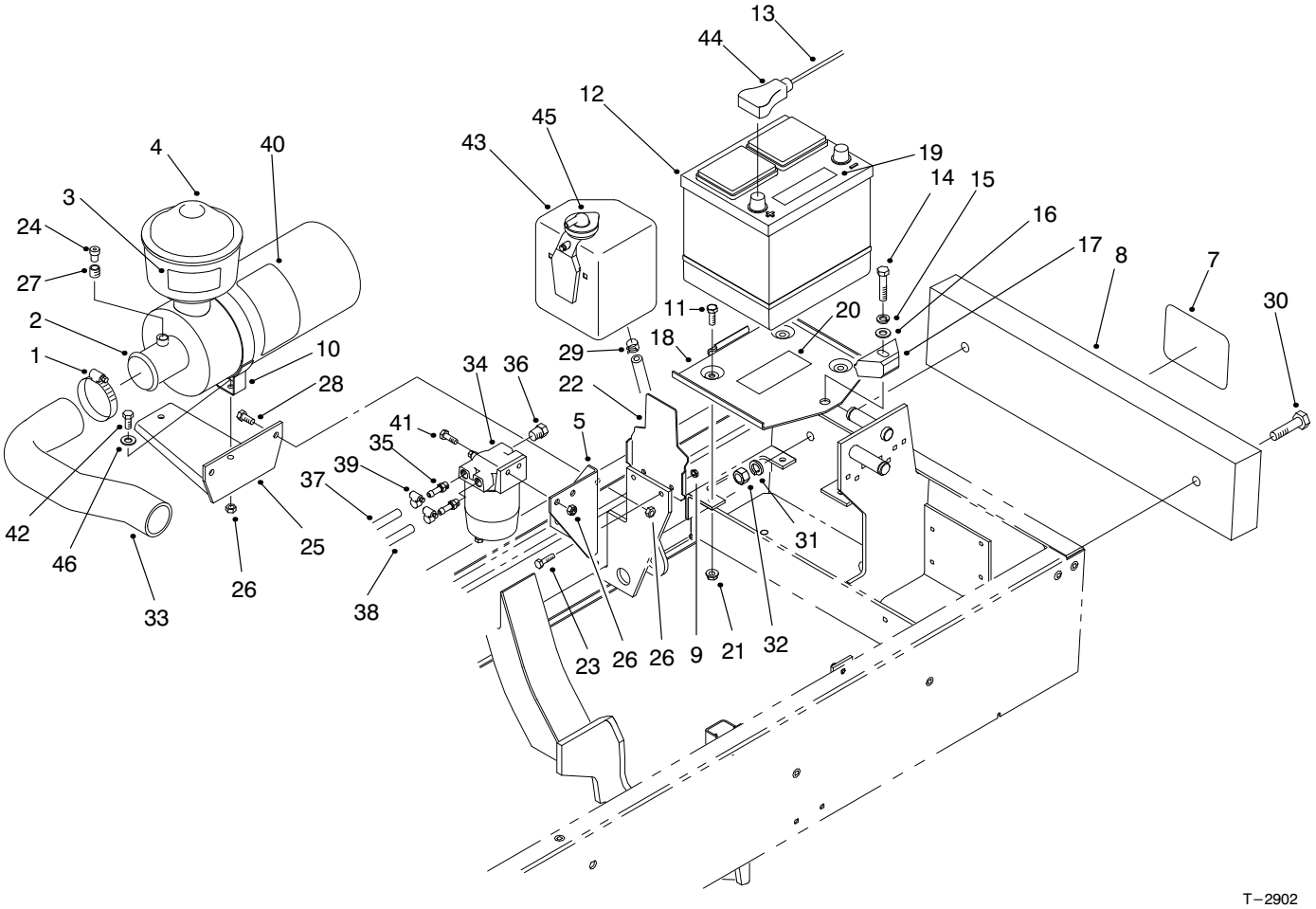



T−3078

# TURBO CHARGER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 99−8332 | Asm−Charger, Turbo | 1 |
| 2 | 99−8333 | Gasket | 1 |
| 3 | 99−8334 | Bolt | 1 |
| 4 | 99−8335 | Flange−Muffler | 1 |
| 5 | 99−8336 | Bolt | 3 |
| 6 | 98−7610 | Bolt | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 7 | 98−7534 | Nut | 3 |
| 8 | 99−8339 | Washer−Lock | 3 |
| 9 | 99−8340 | Gasket | 1 |
| 10 | 99−8341 | Stud | 3 |
| 11 | 99−8342 | Stud | 4 |
| 12 | 99−8343 | Gasket−Muffler | 1 |



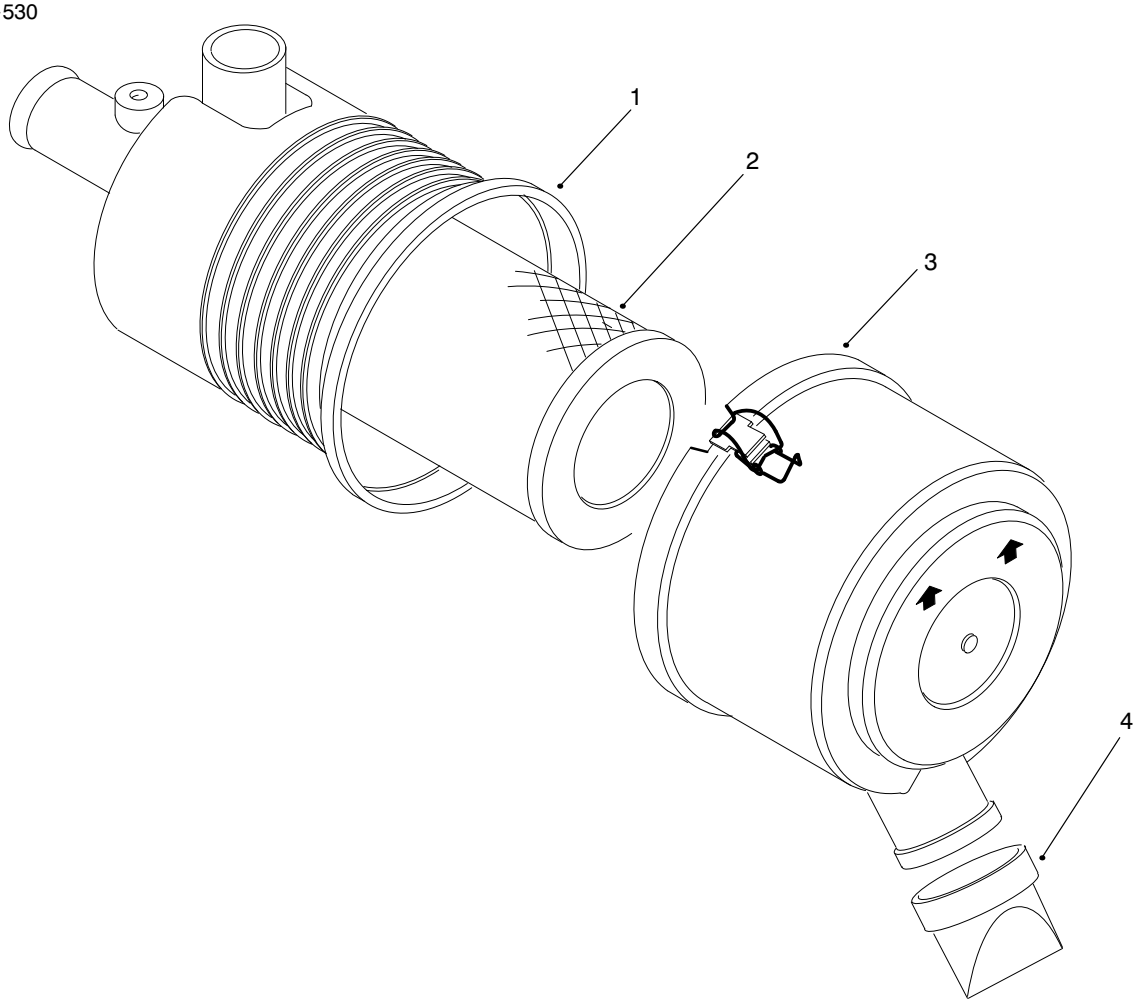

T−2902

# ENGINE COMPONENTS ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 2412−42 | Clamp−Hose | 1 |
| 2 | 98−4517 | Asm−Air Cleaner (Incl. Ref. #40) | 1 |
| 3 | 93−6692 | Decal−Starting Fluid | 1 |
| 4 | 48−7430 | Pre−Cleaner | 1 |
| 5 | 98−4578 | Bracket−Fuel Filter | 1 |
| 7 | 62−5550 | Decal−Toro | 1 |
| 8 | 75−6680 | Bar−Weight | 1 |
| 9 | 32128−33 | Nut−Lock | 2 |
| 10 | 98−4525 | Bracket−Mount, Air Cleaner | 1 |
| 11 | 322−4 | Screw−HH | 3 |
| 12 | | Battery (Type 26, 530 Amp.) | 1 |
| 13 | 98−4599 | Asm−Battery Cable (+) (Incl. Ref. #44) | 1 |
| 14 | 323−9 | Screw−HH | 1 |
| 15 | 3253−21 | Washer−Lock | 1 |
| 16 | 3256−24 | Washer−Flat | 1 |
| 17 | 66−2490 | Clamp−Battery | 1 |
| 18 | 94−7343 | Base−Battery | 1 |
| 19 | 93−6668 | Decal−Battery | 1 |
| 20 | 93−7276 | Decal−Danger | 1 |
| 21 | 32128−20 | Nut−Lock | 3 |
| 22 | 98−4576 | Bracket−Reservoir, Water | 1 |
| 23 | 321−5 | Screw−HH | 2 |
| 24 | 93−9164 | Indicator−Service | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 25 | 98−4518 | Bracket−Air Cleaner | 1 |
| 26 | 3296−29 | Nut−Lock | 8 |
| 27 | 94−1416 | Asm−Adapter, Indicator | 1 |
| 28 | 322−5 | Screw−HH | 2 |
| 29 | 92−2379 | Clamp−Hose | 1 |
| 30 | 325−12 | Screw−HH | 2 |
| 31 | 3253−27 | Washer−Lock | 2 |
| 32 | 3217−9 | Nut−Hex. | 2 |
| 33 | 98−4510 | Hose−Air Cleaner | 1 |
| 34 | 98−9305 | Filter−Water/Fuel Separator | 1 |
| 35 | 353−783 | Fitting−Fuel | 1 |
| 36 | 281−13 | Plug−Pipe | 2 |
| 37 | 71−3381 | Hose−Fuel | 1 |
| 38 | 95−4275 | Hose−Fuel | 1 |
| 39 | 2412−108 | Clamp | 4 |
| 40 | 98−9788 | Decal−Instructions | 1 |
| 40 | 93−8052 | Decal−Instructions (Europe) | 1 |
| 41 | 3234−29 | Screw | 2 |
| 42 | 322−6 | Screw−HH | 2 |
| 43 | 98−9323 | Asm−Expansion Tank (Incl. Ref. #45) | 1 |
| 44 | 28−1280 | Boot−Cable | 1 |
| 45 | | Cap−Expansion Tank | 1 |
| 46 | 3256−24 | Washer−Flat | 2 |

3322−530



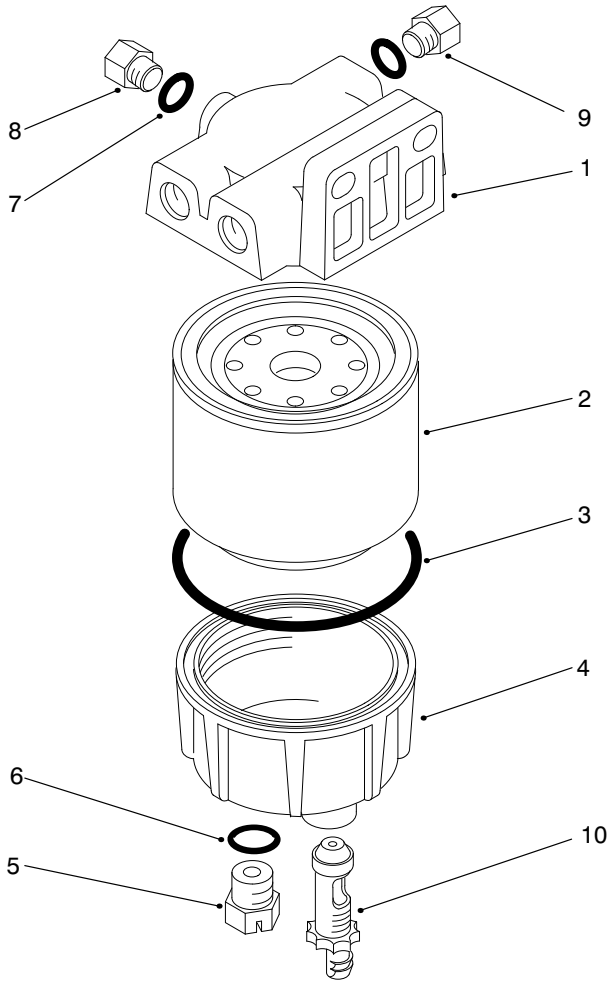

T−2903

# AIR CLEANER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | | Asm−Body | 1 |
| 2 | 98−9763 | Asm−Element | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 3 | 98−9771 | Asm−Cover | 1 |
| 4 | 94−1414 | Valve−Vacuator | 1 |

*Not Illustrated
†Not Serviceable Separately



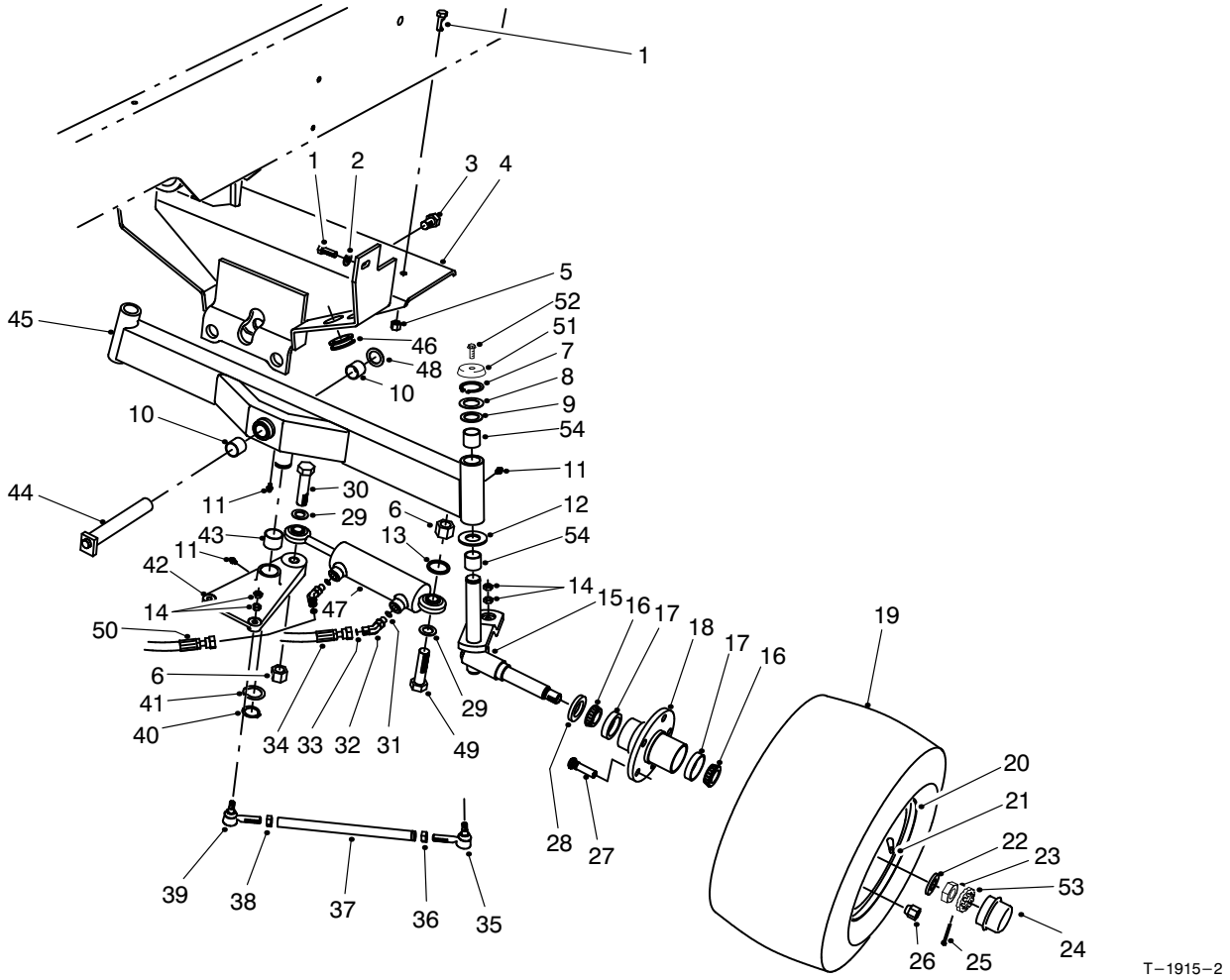

T–2904

# FILTER, WATER/FUEL SEPARATOR ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 98–9772 | Head–Filter | 1 |
| 2 | 98–9764 | Element–Spin On | 1 |
| 3 | 98–9774 | O–Ring, Filter Base | 1 |
| 4 | 98–9775 | Base–Filter | 1 |
| 5 | 98–9773 | Plug–Base, Filter (Incl. Ref. #6) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 6 | 237–42 | O–Ring | 1 |
| 7 | 237–78 | O–Ring | 1 |
| 8 | 98–9776 | Plug–Head, Filter (Incl. Ref. #7) | 1 |
| 9 | 285–22 | Plug–Pipe | 1 |
| 10 | 98–9777 | Asm–Valve, Drain | 1 |

3322−530



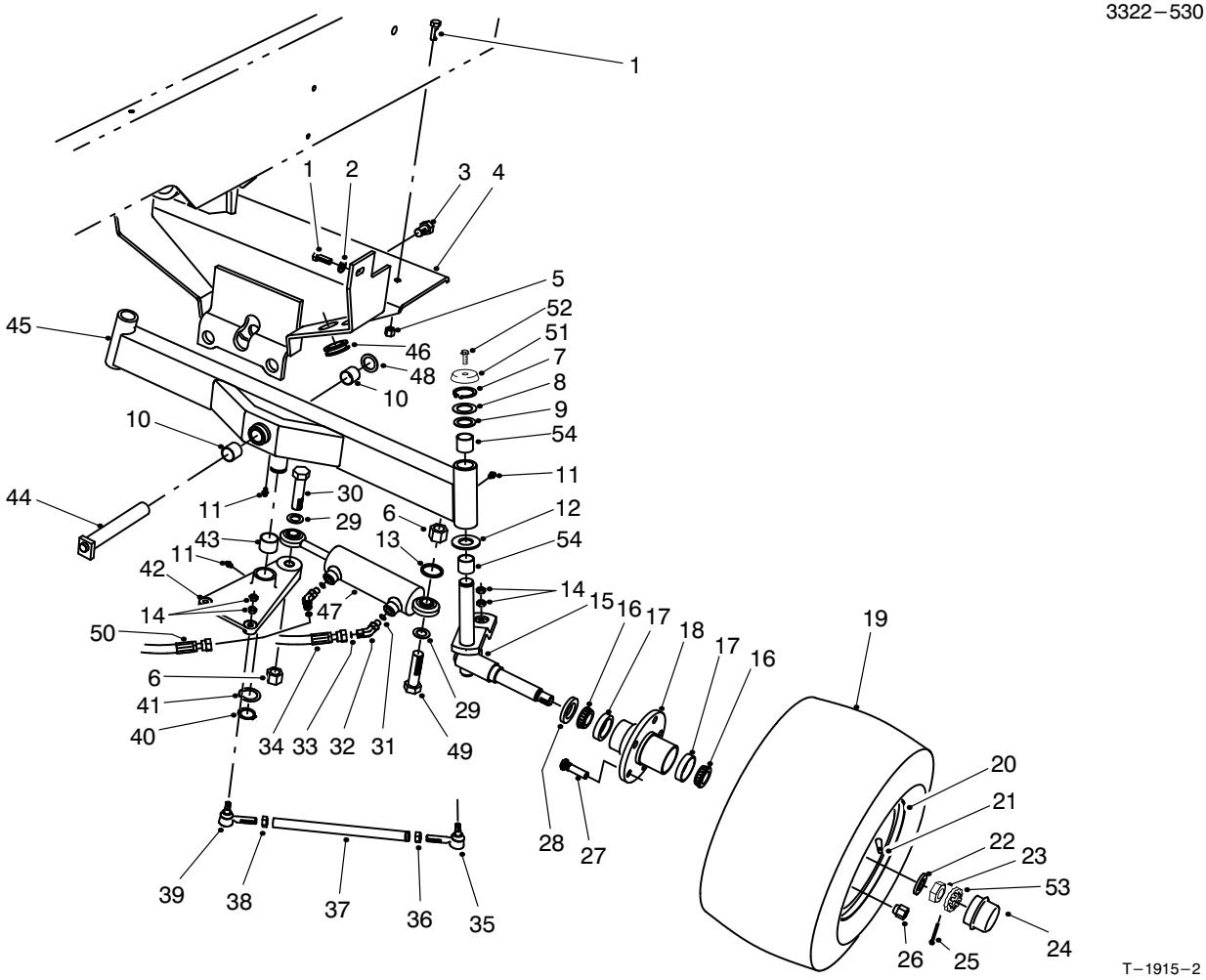

T−1915−2

# REAR AXLE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 323−7 | Screw−HH | 4 |
| 2 | 3256−24 | Washer−Flat | 2 |
| 3 | 327−2 | Screw−HH | 1 |
| 4 | 93−0064 | Support−Rear Axle | 1 |
| 5 | 3296−39 | Nut−Lock | 2 |
| 6 | 32153−6 | Nut−Lock | 2 |
| 7 | 32151−36 | Ring−Retaining | 2 |
| 8 | 5−1226 | Washer−Shim | 3 |
| 9 | 10−8110 | Washer−Thrust | 2 |
| 10 | 67−1751 | Bushing−Sleeve | 2 |
| 11 | 302−5 | Fitting−Grease | 4 |
| 12 | 256−121 | Washer−Thrust | 2 |
| 13 | 67−7250 | Spacer−Cylinder | 1 |
| 14 | 3220−3 | Nut−Jam | 8 |
| 15 | 93−7001 | Spindle−Rear LH | 1 |
| * | 93−7000 | Spindle−Rear RH | 1 |
| 16 | 254−94 | Cone−Bearing | 4 |
| 17 | 254−72 | Cup−Bearing | 4 |
| 18 | 21−2820 | Hub−Rear Wheel | 2 |
| 19 | 231−141 | Tire | 2 |
| 20 | 217−121 | Rim | 2 |
| 21 | 232−35 | Stem−Valve | 2 |
| 22 | 93−0309 | Washer−Tab | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 3220−7 | Nut−Jam | 2 |
| 24 | 241−119 | Cap−Dust | 2 |
| 25 | 3272−13 | Pin−Cotter | 2 |
| 26 | 242−50 | Nut−Lug | 10 |
| 27 | 10−6830 | Stud−Drive | 10 |
| 28 | 253−129 | Seal−Grease | 2 |
| 29 | 67−9410 | Washer−Thrust | 2 |
| 30 | 328−25 | Screw−HH | 1 |
| 31 | 237−78 | O−Ring | 2 |
| 32 | 340−103 | Fitting−Hydraulic 45° (Incl. Ref. #31 & 33) | 2 |
| 33 | 237−21 | O−Ring | 2 |
| 34 | 75−6230 | Hose−Hydraulic | 1 |
| 35 | 21−0141 | Joint−Ball | 2 |
| 36 | 3220−5 | Nut−Jam | 2 |
| 37 | 75−3130 | Rod−Tie | 2 |
| 38 | 3220−12 | Nut−Jam LH Thread | 2 |
| 39 | 21−0151 | Joint−Ball LH Thread | 2 |
| 40 | 32151−77 | Ring−Retaining | 1 |
| 41 | 76−2980 | Washer−Thrust | 1 |
| 42 | 75−4410 | Asm−Pivot Plate (Incl. Ref. #11 & 43) | 1 |
| 43 | 76−2970 | Bushing−Sleeve | 2 |

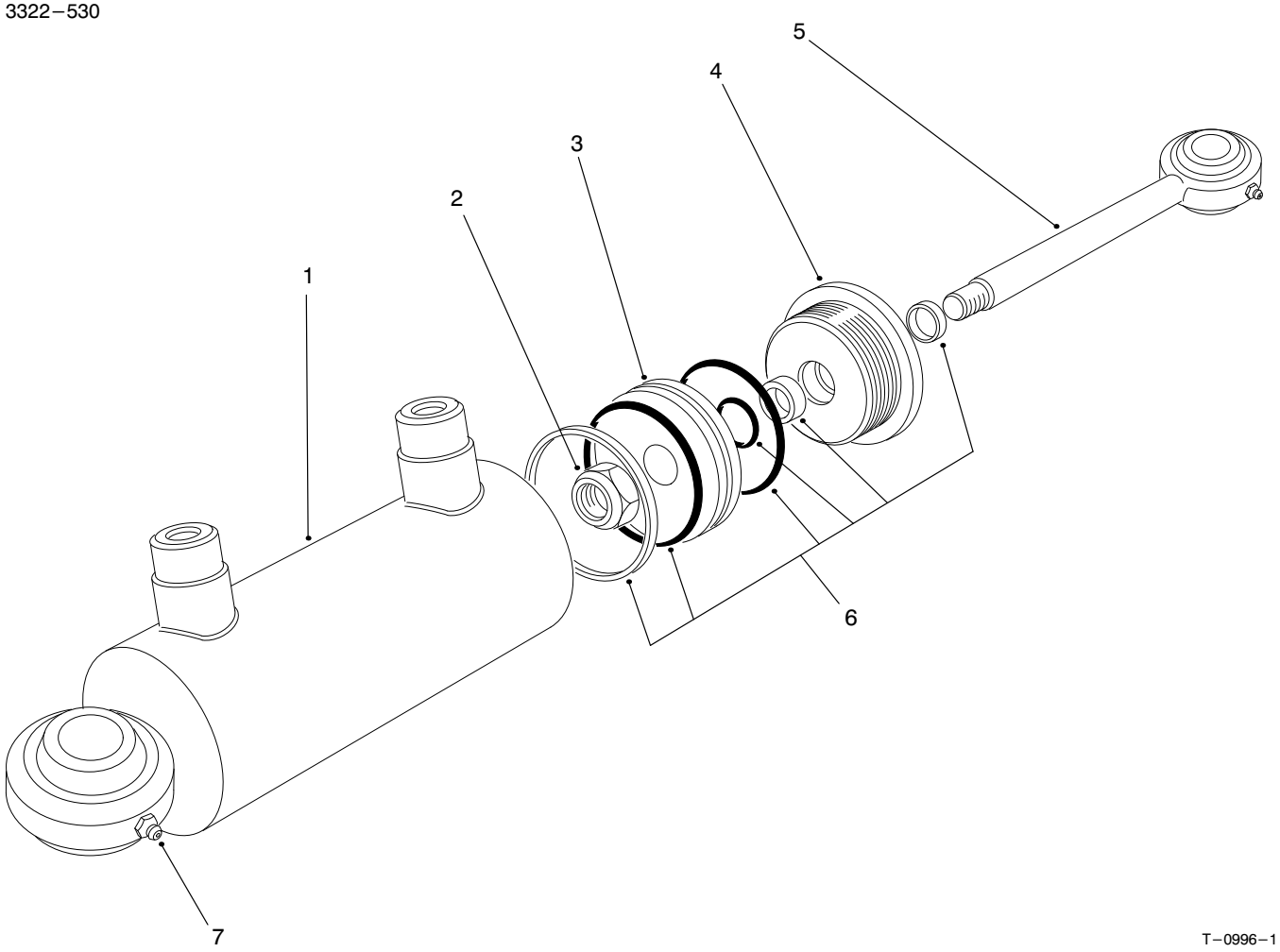
*Not Illustrated




# REAR AXLE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 44 | 75–4180 | Pin–Rear Axle Pivot | 1 |
| 45 | 75–2900 | Asm–Rear Axle (Incl. Ref. #10, 11 & 54) | 1 |
| 46 | 237–165 | Grommet | 2 |
| 47 | 75–1200 | Asm–Hydraulic Cylinder | 1 |
| 49 | 328–27 | Screw–HH | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 50 | 75–6230 | Hose–Hydraulic | 1 |
| 51 | 66–2990 | Cap–Spindle | 2 |
| 52 | 3234–13 | Screw–Cap Flange Hd. | 2 |
| 53 | 93–0307 | Retainer | 2 |
| 54 | 67–1750 | Bushing–Sleeve | 4 |

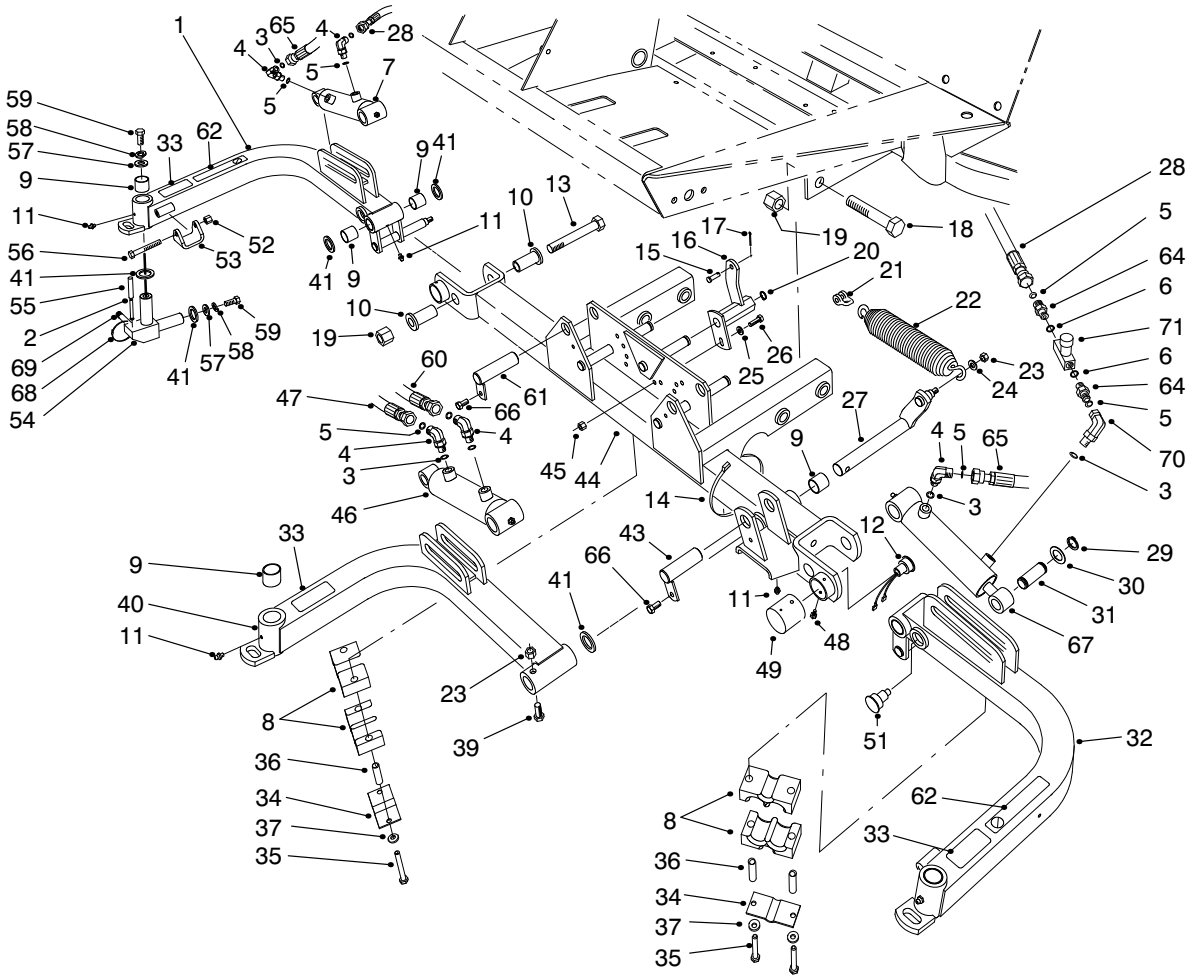



T−0996−1

# HYDRAULIC CYLINDER NO. 75−1200

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| †1 | | Asm−Barrel | 1 |
| 2 | 75−1210 | Nut−Lock | 1 |
| 3 | 75−1220 | Piston | 1 |
| 4 | 75−1260 | Head−Internal | 1 |
| 5 | 75−1230 | Asm−Piston Rod | 1 |
| 6 | 75−1250 | Seal Kit | 1 |
| 7 | 302−5 | Fitting−Grease | 2 |

†Not Serviced Separately



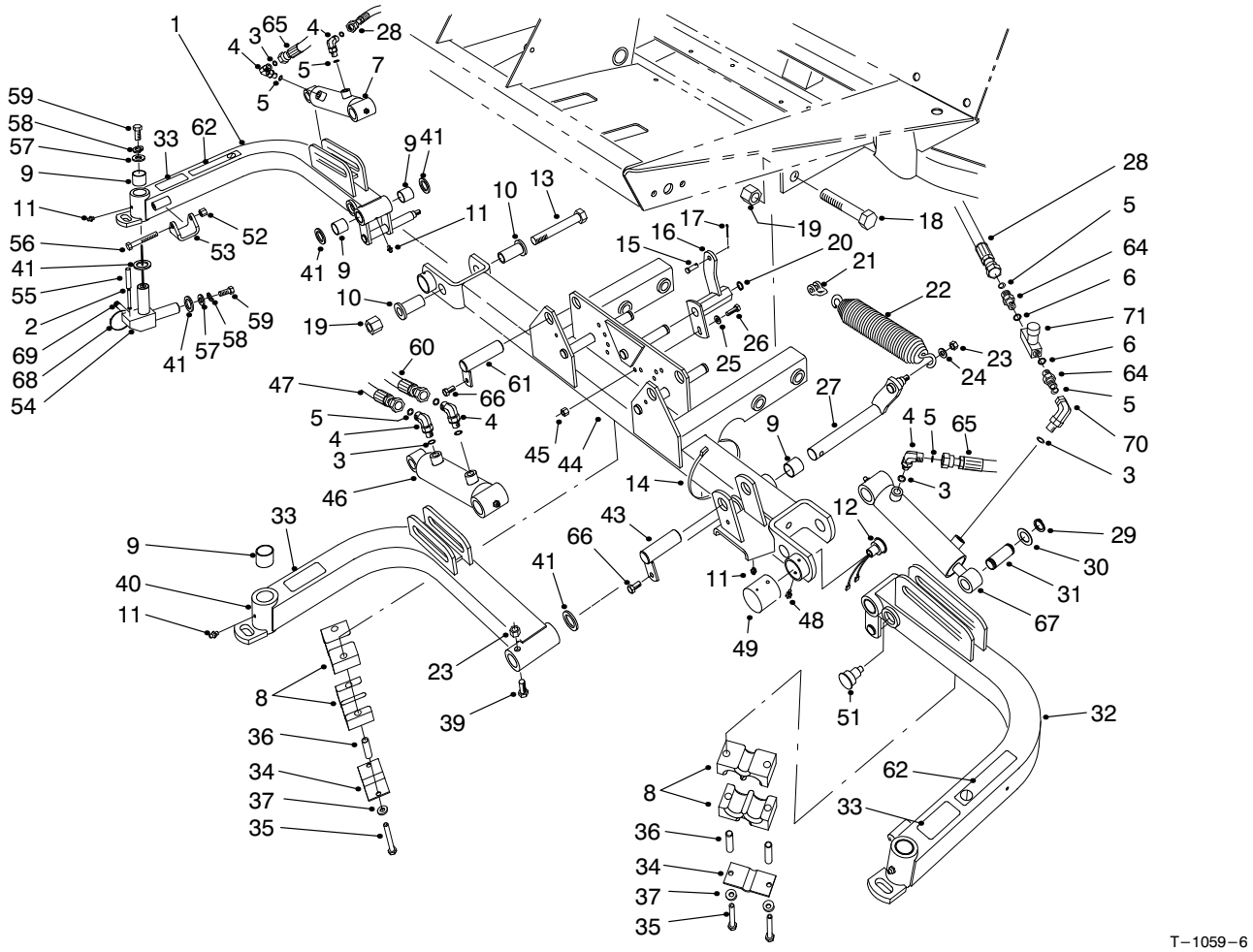
T–1059–6

# FRONT LIFT ARMS ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 94–5598 | Asm–Lift Arm RH (Incl. Ref. #9 & 11) | 1 |
| 2 | 32121–27 | Pin–Roll | 3 |
| 3 | 237–78 | O–Ring | 6 |
| 4 | 340–132 | Fitting–Hydraulic 90° (Incl. Ref. #3 & 5) | 5 |
| 5 | 237–21 | O–Ring | 8 |
| 6 | 237–42 | O–Ring | 2 |
| 7 | 98–8069 | Asm–Hydraulic Cylinder | 1 |
| 8 | 82–8170 | Clamp–Hose | 8 |
| 9 | 67–1750 | Bushing–Sleeve | 12 |
| 10 | 84–8320 | Insert–Hinge | 4 |
| 11 | 302–5 | Fitting–Grease | 6 |
| 12 | 92–8002 | Sensor–Reed Switch | 1 |
| 13 | 328–12 | Screw–HH | 2 |
| 14 | 3290–379 | Tie–Cable | 3 |
| 15 | 283–6 | Pin–Clevis | 3 |
| 16 | 75–5210 | Bracket–Spring Center | 1 |
| * | 75–5200 | Bracket–Spring RH | 1 |
| * | 75–5220 | Bracket–Spring LH | 1 |
| 17 | 3272–10 | Pin–Cotter | 3 |
| 18 | 328–7 | Screw–HH | 4 |
| 19 | 3296–51 | Nut–Lock | 6 |
| 20 | 32151–48 | Ring–Retaining | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 21 | 282–4 | Clevis–Spring | 3 |
| 22 | 5–0743 | Spring–Extension | 3 |
| 23 | 3296–44 | Nut–Lock | 4 |
| 24 | 3256–24 | Washer–Flat | 3 |
| 25 | 3256–23 | Washer–Flat | 3 |
| 26 | 322–5 | Screw–HH | 3 |
| 27 | 75–4550 | Shaft–Center Arm Pivot | 1 |
| 28 | 75–5890 | Hose–Hydraulic | 2 |
| 29 | 32120–93 | Ring–Retaining | 6 |
| 30 | 3–6498 | Washer–Thrust | 6 |
| 31 | 75–5350 | Pin–Cylinder Rod End | 3 |
| 32 | 94–5800 | Asm–Lift Arm LH (Incl. Ref. #9 & 11) | 1 |
| 33 | 93–6696 | Decal–Warning | 3 |
| 34 | 93–7961 | Clamp–Rubber | 3 |
| 35 | 322–13 | Screw–HH | 6 |
| 36 | 93–7960 | Spacer | 6 |
| 37 | 3256–70 | Washer–Flat | 6 |
| 39 | 323–11 | Screw–HH | 1 |
| 40 | 94–5802 | Asm–Lift Arm, Center (Incl. Ref. #9 & 11) | 1 |
| 41 | 256–115 | Washer–Thrust | 11 |
| 43 | 83–6790 | Pin–Cylinder (Short) | 1 |

*Not Illustrated

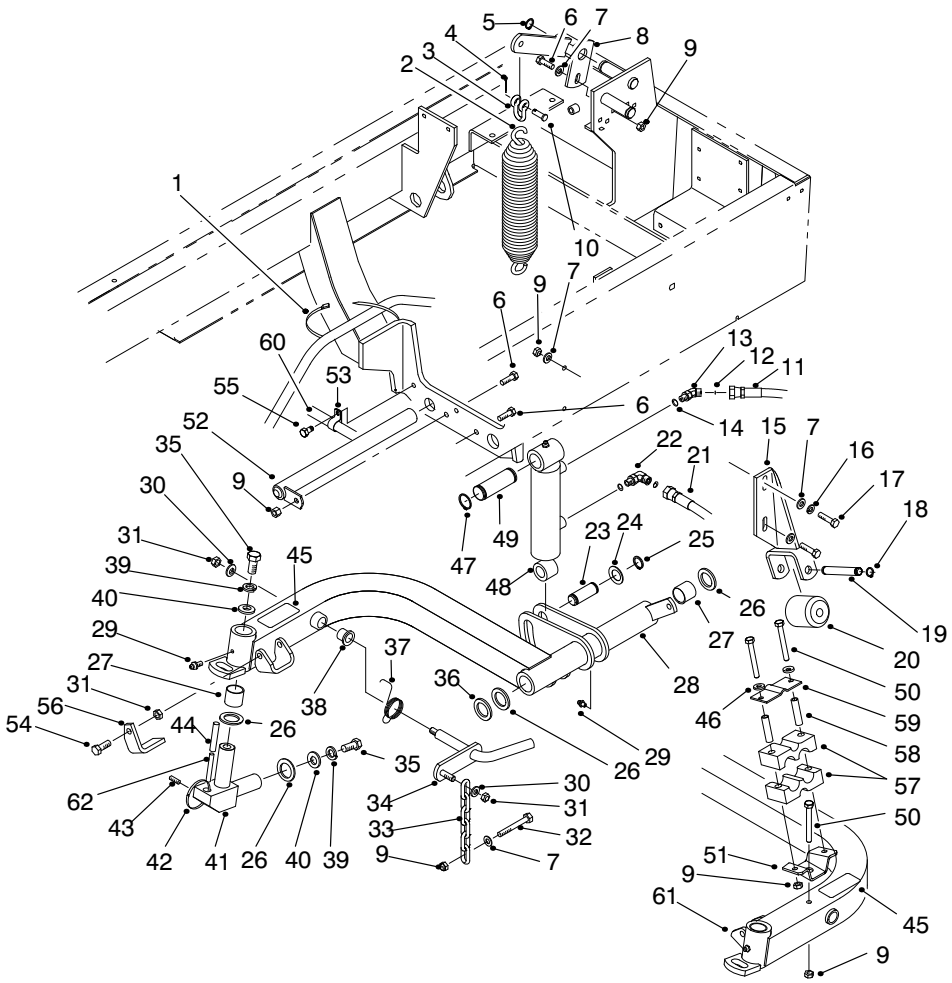



# FRONT LIFT ARMS ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 44 | 94–5808 | Asm–Carrier Frame (Incl. Ref. #9 & 11) | 1 |
| 45 | 3296–29 | Nut–Lock | 3 |
| 46 | 93–9310 | Asm–Hydraulic Cylinder | 1 |
| 47 | 75–5900 | Hose–Hydraulic | 1 |
| 48 | 32104–76 | Screw–Thread Forming | 2 |
| 49 | 75–6370 | Cover–Sensor | 1 |
| 51 | 92–8754 | Actuator–Reed Switch | 1 |
| 52 | 3296–39 | Nut–Lock | 2 |
| 53 | 75–5410 | Bracket–Arm | 2 |
| 54 | 75–3010 | Joint–Arm | 3 |
| 55 | 32121–122 | Pin–Roll | 3 |
| 56 | 323–12 | Screw–HH | 2 |
| 57 | 3256–6 | Washer–Flat | 6 |
| 58 | 3253–7 | Washer–Lock | 6 |
| 59 | 325–4 | Screw–HH | 6 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 60 | 75–5910 | Hose–Hydraulic | 1 |
| 61 | 83–6780 | Pin–Cylinder (Long) | 2 |
| 62 | 93–6687 | Decal–No Step | 2 |
| 64 | 340–1 | Fitting–Straight (Incl. Ref. #5 & 6) | 2 |
| 65 | 82–6490 | Hose–Hydraulic | 1 |
| 66 | 32144–14 | Screw–Self Tapping | 3 |
| 67 | 98–8068 | Hydraulic Cylinder Asm. | 1 |
| 68 | 3290–378 | Tie–Cable | 5 |
| 69 | 92–9097 | Set Screw | 3 |
| 70 | 340–143 | Fitting–Hydraulic 90° (Incl. Ref. #3) | 1 |
| 71 | 98–9742 | Valve–Flow Control | 1 |
| * | 93–6688 | Decal–Hands/Feet (Mounted on Cutting Unit Frames) | 3 |

* Not Illustrated

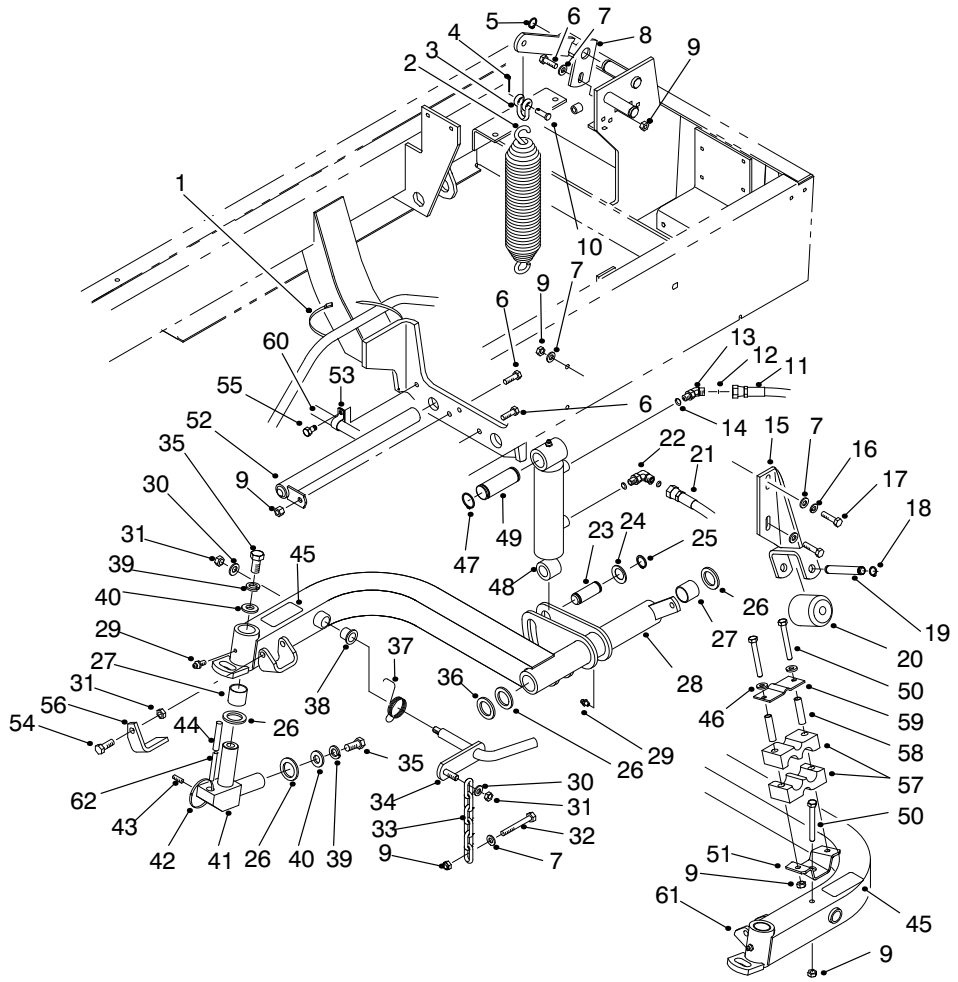



# REAR LIFT ARMS ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3290–379 | Tie–Cable | 4 |
| 2 | 5–0743 | Spring–Counterbalance | 2 |
| 3 | 282–4 | Clevis–Spring | 2 |
| 4 | 3272–10 | Pin–Cotter | 2 |
| 5 | 32151–48 | Ring–Retaining | 2 |
| 6 | 322–5 | Screw–HH | 3 |
| 7 | 3256–23 | Washer–Flat | 10 |
| 8 | 98–4548 | Bracket–Spring Rear RH | 1 |
| * | 98–4536 | Bracket–Spring Rear LH | 1 |
| 9 | 3296–29 | Nut–Lock | 11 |
| 10 | 283–6 | Pin–Clevis | 2 |
| 11 | 75–6070 | Hose–Hydraulic (Cap) | 1 |
| 12 | 237–78 | O–Ring | 4 |
| 13 | 340–103 | Fitting–Hydraulic 45° (Incl. Ref. #12 & 14) | 1 |
| 14 | 237–21 | O–Ring | 4 |
| 15 | 75–3810 | Bracket–Roller | 2 |
| 16 | 3253–4 | Washer–Lock | 2 |
| 17 | 322–6 | Screw–HH | 4 |
| 18 | 32151–61 | Ring–Retaining | 4 |
| 19 | 75–5400 | Shaft–Roller | 2 |
| 20 | 75–5390 | Roller | 2 |
| 21 | 75–6180 | Hose–Hydraulic RH (Rod) | 2 |
| * | 75–6080 | Hose–Hydraulic LH (Rod) | 1 |
| 22 | 340–132 | Fitting–Hydraulic 90° (Incl. Ref. #12 & 14) | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 75–5350 | Pin–Cylinder Rod End | 2 |
| 24 | 3–6498 | Washer–Thrust | 4 |
| 25 | 32120–93 | Ring–Retaining | 4 |
| 26 | 256–115 | Washer–Thrust | 8 |
| 27 | 67–1750 | Bushing–Sleeve | 8 |
| 28 | 94–5596 | Asm–Lift Arm Rear RH (Incl. Ref. #27, 29 & 38) | 1 |
| 29 | 302–5 | Fitting–Grease | 4 |
| 30 | 3256–24 | Washer–Flat | 4 |
| 31 | 3296–39 | Nut–Lock | 6 |
| 32 | 322–12 | Screw–HH | 2 |
| 33 | 5–1096 | Chain–Cutting Unit | 2 |
| 34 | 75–4590 | Rod–Pivot | 2 |
| 35 | 325–4 | Screw–HH | 4 |
| 36 | 93–0142 | Bushing–Straight | 2 |
| 37 | 75–4520 | Spring–Torsion RH | 1 |
| * | 75–4530 | Spring–Torsion LH | 1 |
| 38 | 256–287 | Bushing–Flange | 4 |
| 39 | 3253–7 | Washer–Lock | 4 |
| 40 | 3256–6 | Washer–Flat | 4 |
| 41 | 75–3010 | Joint–Arm | 2 |
| 42 | 3290–378 | Tie–Cable | 2 |
| 43 | 92–9097 | Set Screw | 2 |
| 44 | 32121–122 | Pin–Roll | 2 |
| 45 | 93–6696 | Decal–Warning | 2 |

*Not Illustrated

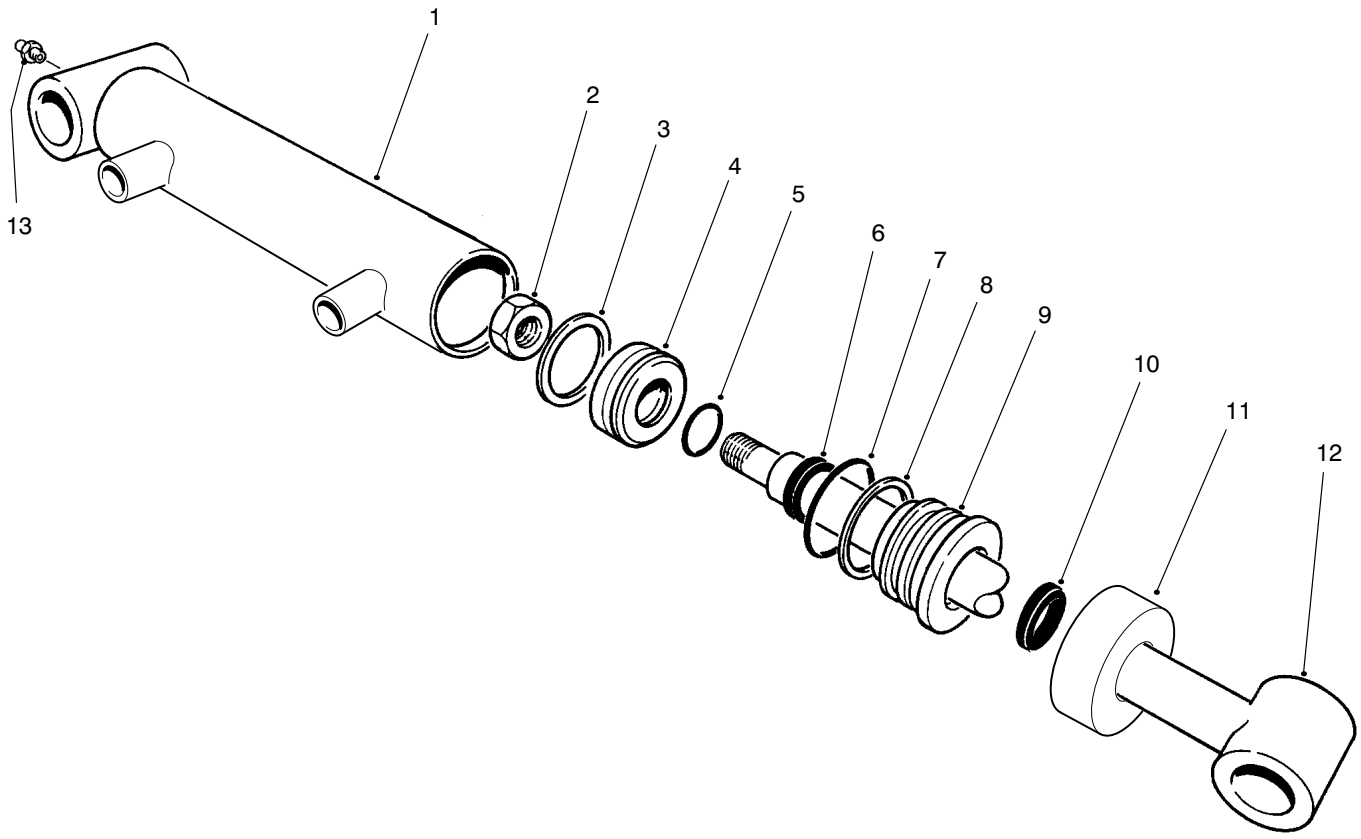



# REAR LIFT ARMS ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 46 | 3256−70 | Washer−Plain | 2 |
| 47 | 32151−36 | Ring−Retaining | 4 |
| 48 | 93−9311 | Asm−Hydraulic Cylinder | 2 |
| 49 | 75−5360 | Pin−Cylinder Cap End | 2 |
| 50 | 322−13 | Screw−HH | 3 |
| 51 | 94−4919 | Bracket−Clamp, Hose | 1 |
| 52 | 93−0069 | Pin−Pivot | 2 |
| 54 | 323−6 | Screw−HH | 2 |
| 56 | 93−3640 | Stop−Reel RH | 1 |
| * | 83−5170 | Stop−Reel LH | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 57 | 82−8170 | Clamp | 2 |
| 58 | 93−7960 | Spacer | 2 |
| 59 | 93−7961 | Clamp | 1 |
| 61 | 94−5594 | Asm−Lift Arm Rear LH (Incl. Ref. #27, 29 & 38) | 1 |
| 62 | 32121−27 | Pin−Roll | 2 |
| * | 93−6688 | Decal−Hands/Feet (Mounted on Cutting Unit Frames) | 2 |

*Not Illustrated




T–2114–2

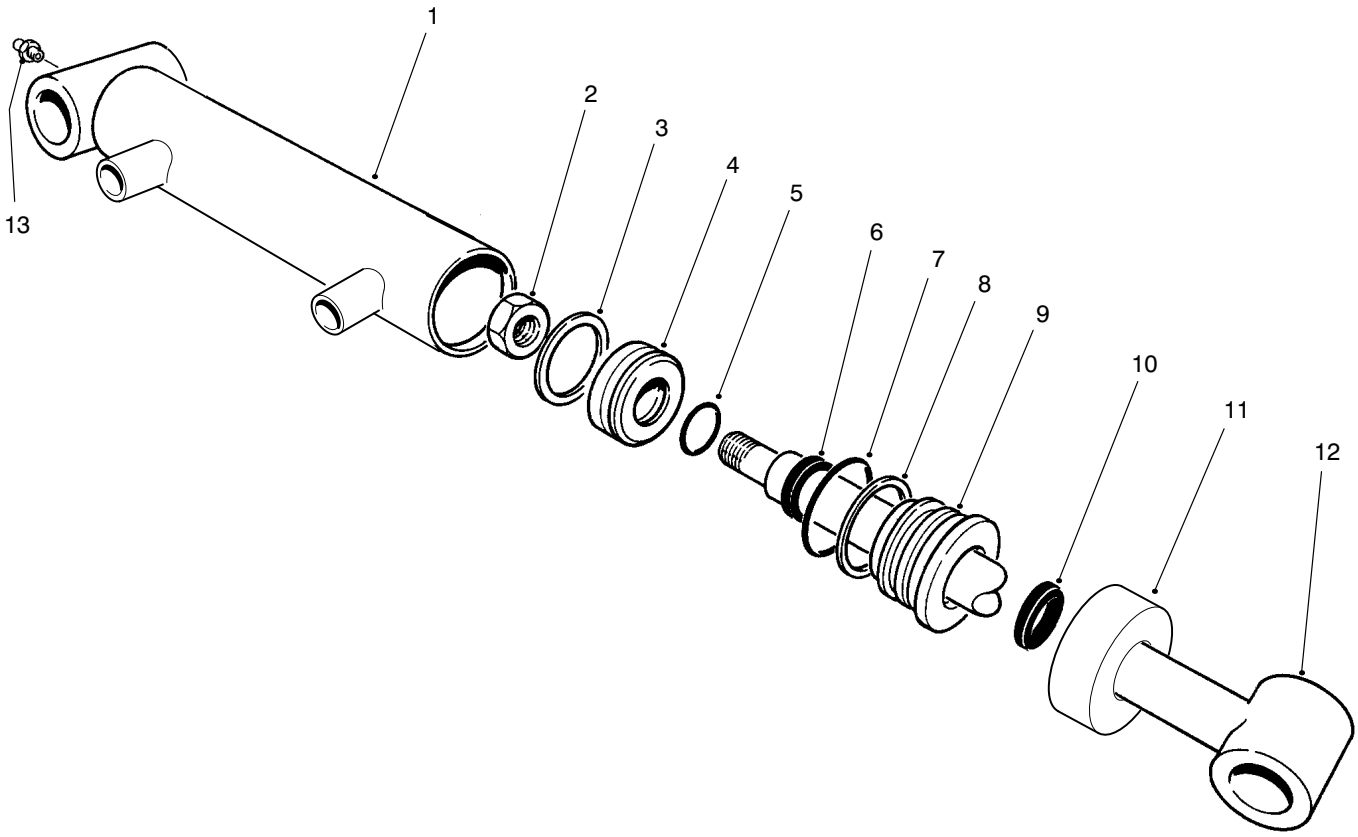
# HYDRAULIC CYLINDER NO. 93–9311

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| †1 | 93–9313 | Asm–Barrel | 1 |
| 2 | 32152–10 | Nut | 1 |
| †3 | | Uni–ring | 1 |
| 4 | 70–2780 | Piston | 1 |
| †5 | | O–Ring | 1 |
| †6 | | Seal–Rod | 1 |
| †7 | | O–Ring | 1 |
| †8 | | Backup | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 93–7990 | Head | 1 |
| †10 | | Seal–Dust | 1 |
| 11 | 93–7991 | Collar | 1 |
| 12 | 75–3790 | Shaft and Tube | 1 |
| 13 | 302–5 | Fitting–Grease | 1 |
| * | 86–7330 | Seal Repair Kit (Incl. Ref. #3, 5–8 & 10) | 1 |

*Not Illustrated
†Not Serviced Separately

3322−530



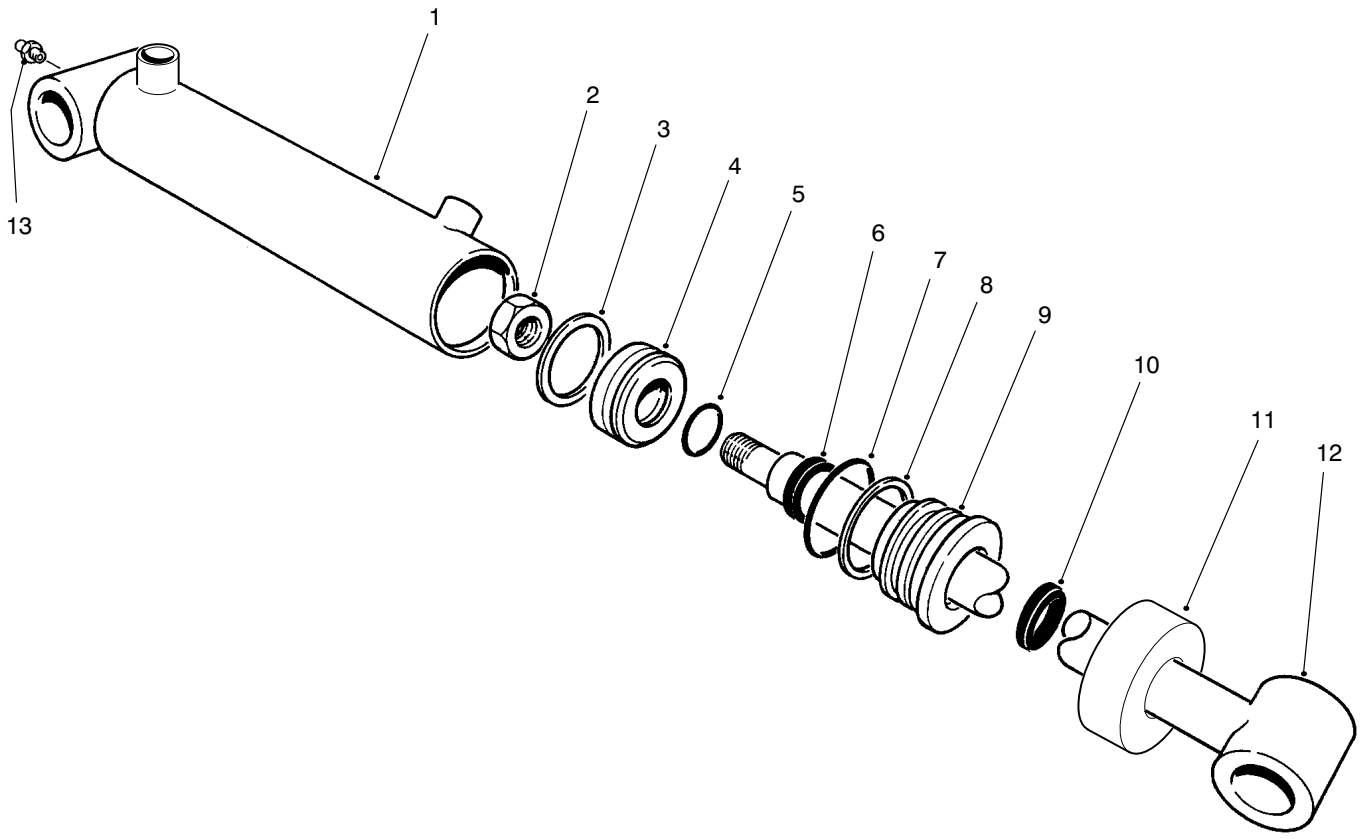

T−2114−2

# HYDRAULIC CYLINDER NO. 93−9310

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−9312 | Asm−Barrel | 1 |
| 2 | 32152−10 | Nut | 1 |
| †3 | | Uni−ring | 1 |
| 4 | 70−2780 | Piston | 1 |
| †5 | | O−Ring | 1 |
| †6 | | Seal−Rod | 1 |
| †7 | | O−Ring | 1 |
| †8 | | Backup | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 93−7990 | Head | 1 |
| †10 | | Seal−Dust | 1 |
| 11 | 93−7991 | Collar | 1 |
| 12 | 75−3790 | Shaft and Tube | 1 |
| 13 | 302−5 | Fitting−Grease | 1 |
| * | 86−7330 | Seal Repair Kit (Incl. Ref. #3, 5−8 & 10) | 1 |

*Not Illustrated
†Not Serviced Separately



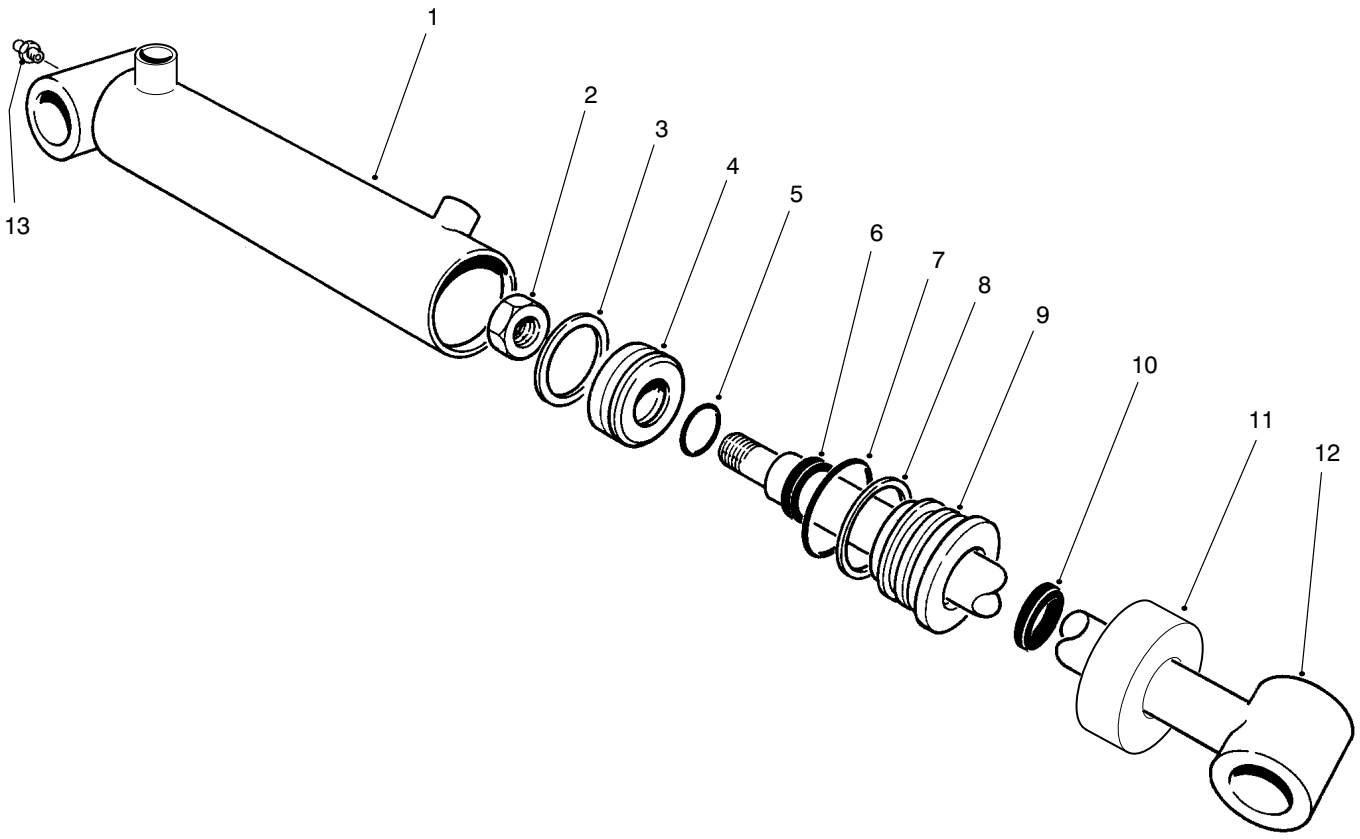

T–2115–1

# HYDRAULIC CYLINDER NO. 98–8069

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93–7558 | Asm–Barrel | 1 |
| 2 | 32152–10 | Nut | 1 |
| †3 | | Uni–ring | 1 |
| 4 | 84–1710 | Piston | 1 |
| †5 | | O–Ring | 1 |
| †6 | | Seal–Rod | 1 |
| †7 | | O–Ring | 1 |
| †8 | | Backup | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 98–7354 | Head | 1 |
| †10 | | Seal–Dust | 1 |
| 11 | 93–7994 | Collar | 1 |
| 12 | 84–1740 | Shaft and Tube | 1 |
| 13 | 302–5 | Fitting–Grease | 1 |
| * | 84–1760 | Seal Repair Kit (Incl. Ref. #3, 5–8 & 10) | 1 |

*Not Illustrated
†Not Serviced Separately



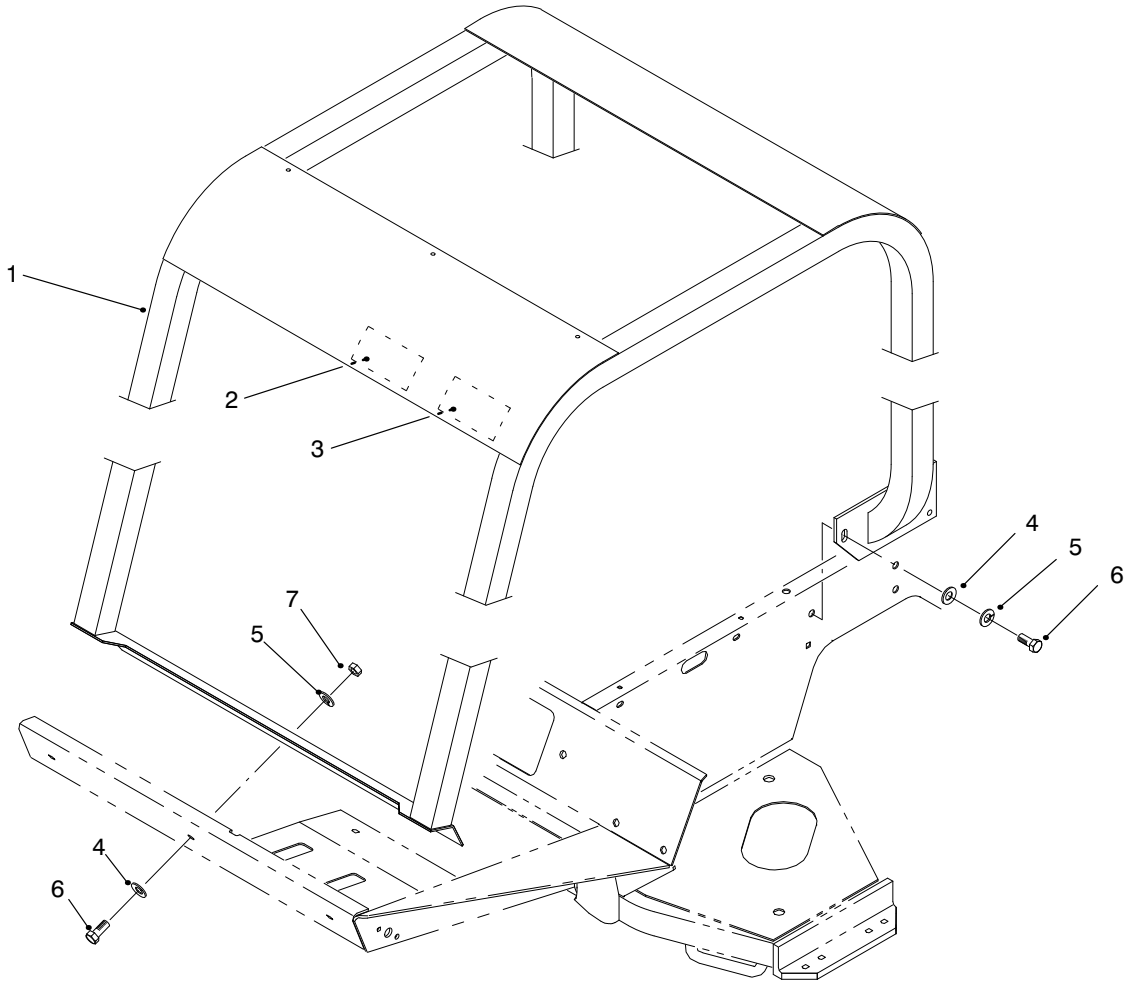

T−2115−1

# HYDRAULIC CYLINDER NO. 98−8068

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−7557 | Asm−Barrel | 1 |
| 2 | 32152−10 | Nut | 1 |
| †3 | | Uni−ring | 1 |
| 4 | 70−2780 | Piston | 1 |
| †5 | | O−Ring | 1 |
| †6 | | Seal−Rod | 1 |
| †7 | | O−Ring | 1 |
| †8 | | Backup | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 98−7353 | Head | 1 |
| †10 | | Seal−Dust | 1 |
| 11 | 93−7991 | Collar | 1 |
| 12 | 75−2120 | Shaft and Tube | 1 |
| 13 | 302−5 | Fitting−Grease | 1 |
| * | 86−7330 | Seal Repair Kit (Incl. Ref. #3, 5−8 & 10) | 1 |

*Not Illustrated
†Not Serviced Separately




T−1959−1

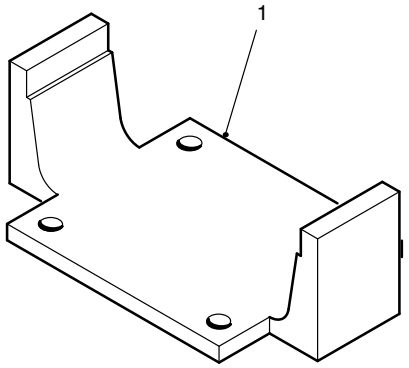
# ROLL OVER PROTECTION SYSTEM (R.O.P.S.) (Optional)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 83−7410 | Roll−Bar | 1 |
| 2 | 85−9980 | Decal−R.O.P.S. | 1 |
| 2 | 93−8073 | Decal−R.O.P.S. (Europe) | 1 |
| 3 | 83−7430 | Decal−Danger | 1 |
| 3 | 93−8050 | Decal−Danger (Europe) | 1 |
| 3 | 84−4300 | Decal−Danger (Japan) | 1 |
| 4 | 3256−26 | Washer−Flat | 9 |
| 5 | 3253−7 | Washer−Lock | 9 |
| 6 | 325−5 | Screw−HH | 9 |
| 7 | 3217−9 | Nut−Lock | 3 |
| * | 21−4191 | Asm−Seat Belt | 1 |
| * | 3212−4 | Screw−HH | 2 |
| * | 3253−6 | Washer−Lock | 2 |

*Not Illustrated

# SPECIAL TOOLS

## AXLE TOOL NO. *TOR859920




T−1325−1

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | | Tool−Axle | 1 |

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1−800−533−0492 (in Minnesota and Canada 1−507−455−7050) Fax. 507−455−7011.

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## IDENTIFICATION AND ORDERING

**MODEL AND SERIAL NUMBERS**

The Reelmaster® 5400D has two identification numbers; a model number and a serial number. The two numbers are stamped on a decal which is located on the traction unit frame under the seat. In any correspondence concerning the Reelmaster 5400D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

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

1. Model and serial number of the Reelmaster 5400D.
2. Part number, description, and the quantity of part(s) desired.

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

## COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state.

# MAINTENANCE RECORD

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