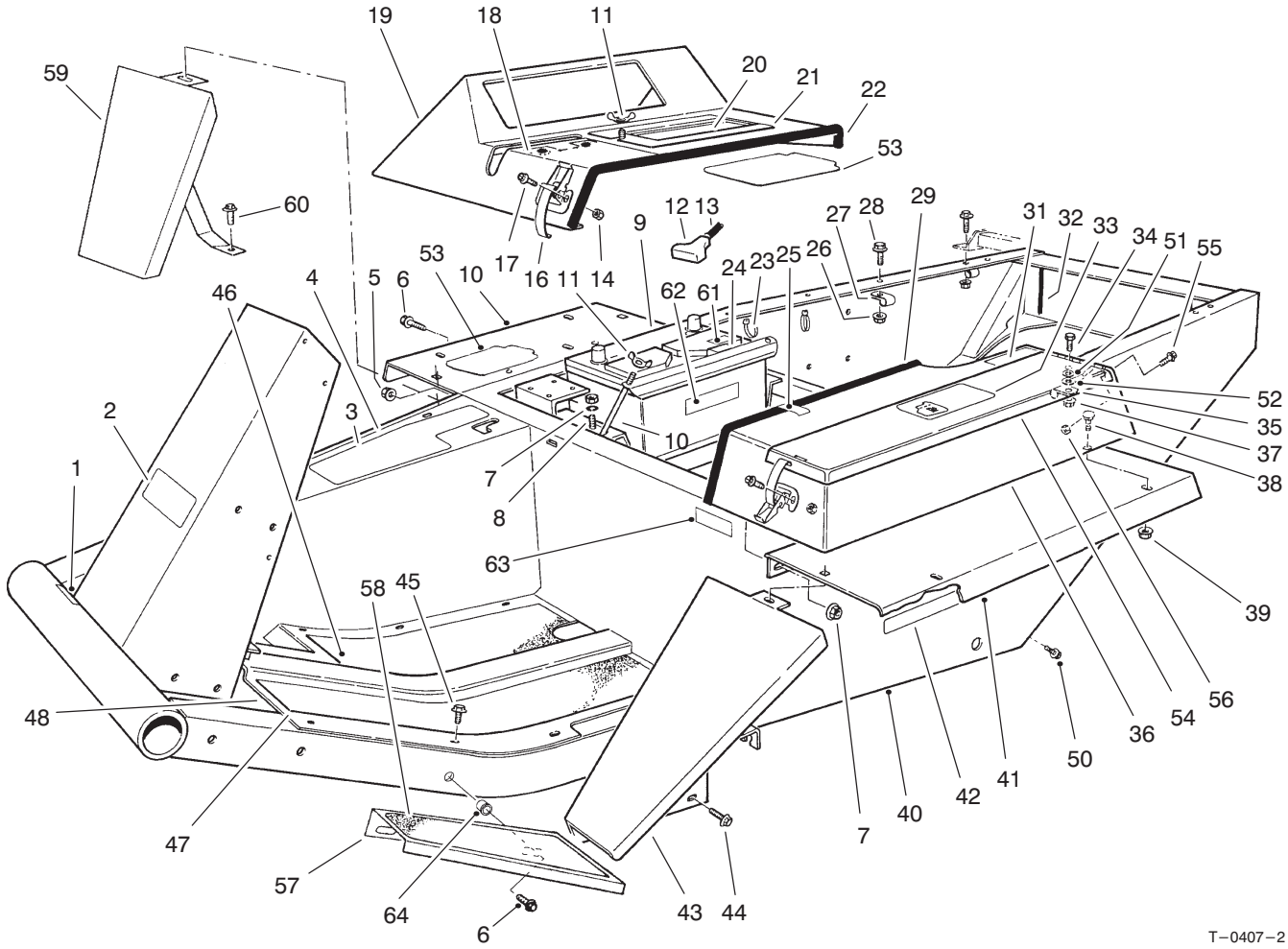
FORM NO. 3324–129

TORO®

MODEL NO. 30739–200000001 & UP

PARTS CATALOG

# GROUNDSMASTER® 325D Intl. 2WD
## TRACTION UNIT



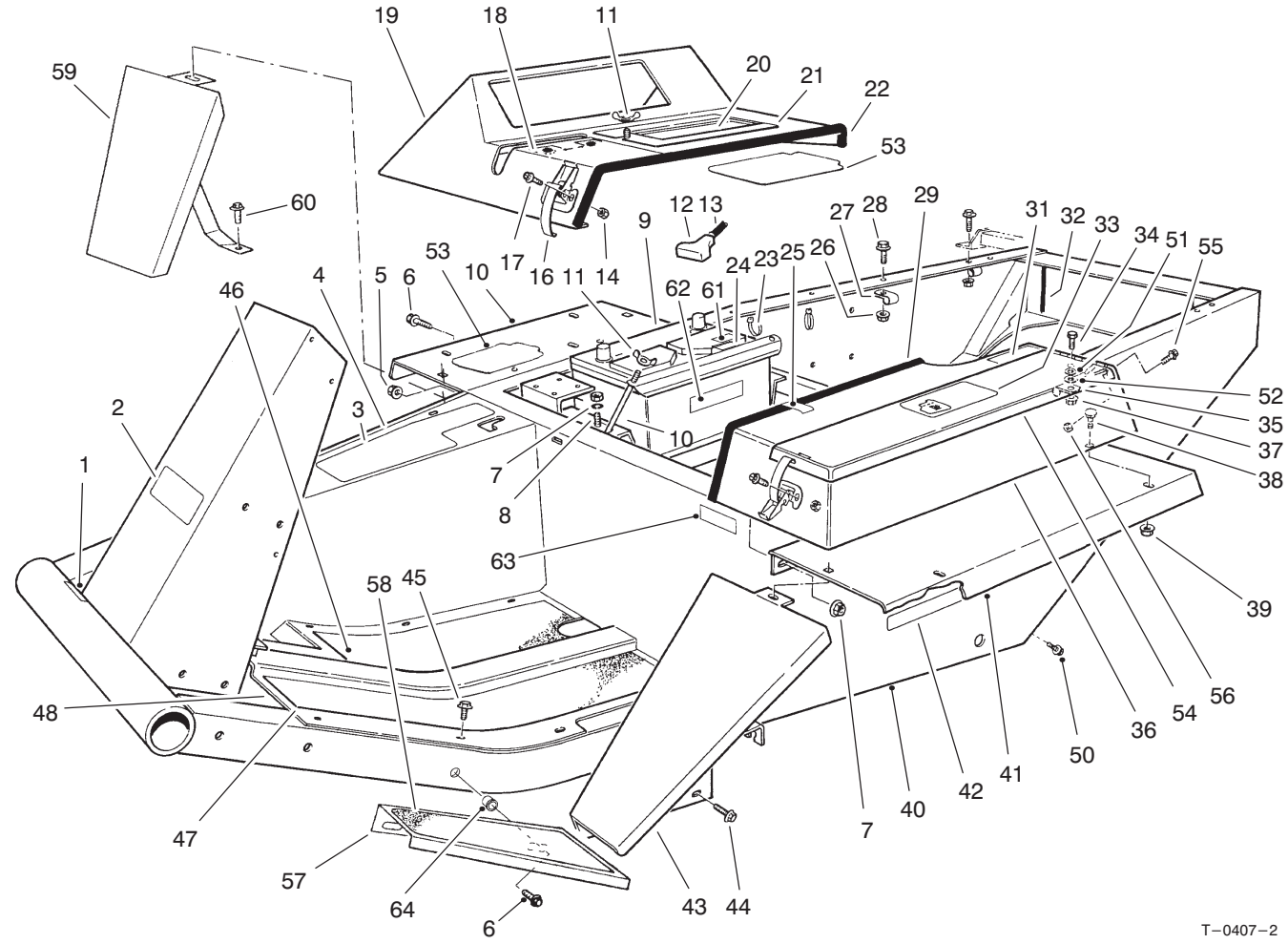

T–0407–2

# MAIN FRAME ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93–7836 | Decal – Traction Pedal | 1 |
| 2 | 70–2200 | Decal – Toro | 1 |
| 3 | 93–7832 | Decal – Caution | 1 |
| 4 | 21–2660 | Footrest | 1 |
| 5 | 32128–21 | Nut – Flange | 10 |
| 6 | 3234–12 | Screw – HHF | 5 |
| 7 | 3217–6 | Nut – Hex. | 2 |
| 8 | 3253–4 | Washer – Lock | 2 |
| 9 | 63–9230 | Battery Type MF24–78, Dry | 1 |
| 10 | 24–6390 | Stud – Battery Hold Down | 2 |
| 11 | 32103–2 | Nut – Wing | 3 |
| 12 | 28–1280 | Boot – Cable | 1 |
| 13 | 70–1180 | Cable – Battery Positive (Incl. Ref. #12) | 1 |
| 14 | 3296–2 | Nut | 6 |
| 16 | 249–21 | Hook Clamp | 3 |
| 17 | 3290–144 | Screw – Machine | 6 |
| 18 | 93–7806 | Decal – Power Take off | 1 |
| 19 | 38–4550 | Instrument Cover | 1 |
| 20 | 95–2746 | Decal – Starting Instructions | 1 |
| 21 | 24–9740 | Cover – Battery Access | 1 |
| 22 | 39–8020 | Trim – Instrument Cover | 1 |
| 23 | 3290–378 | Cable Tie | 2 |
| 24 | 24–6420 | Hold Down – Battery | 1 |
| 25 | 2412–61 | Clip – Tinnerman | 2 |
| 26 | 3290–357 | Nut – Flange | 5 |
| 27 | 2412–4 | Clamp | 3 |
| 28 | 3234–11 | Screw – HHF | 5 |
| 29 | 37–9650 | Trim | 1 |
| 31 | 93–6680 | Decal – Diesel Fuel | 1 |
| 32 | 43–4300 | Trim – Rear Frame | 2 |
| 33 | 93–78222 | Decal – Refueling | 1 |
| 34 | 322–5 | Screw – HH | 1 |
| 35 | 2412–74 | Clamp | 1 |

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TPS

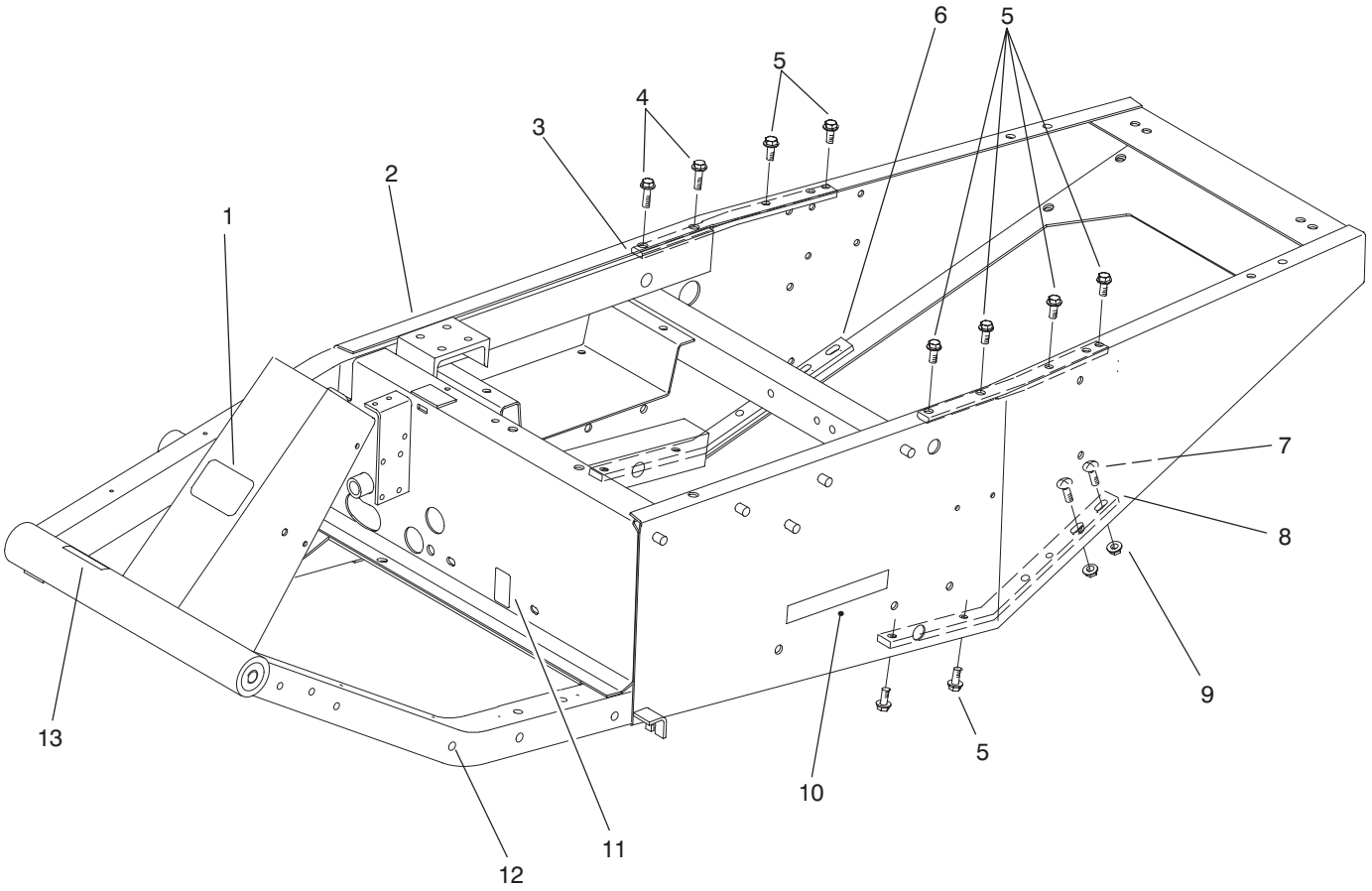



# MAIN FRAME ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 36 | 93−3183 | Tool Box (Incl. Ref. #30) | 1 |
| 37 | 32128−20 | Nut − Flange | 1 |
| 38 | 3229−1 | Bolt − Carriage | 6 |
| 39 | 32128−33 | Nut − Flange | 6 |
| †40 | 94−2689 | Frame (Incl. Ref. #1−2, 42 & 50) | 1 |
| 41 | 72−3690 | Fender | 2 |
| 42 | 93−7830 | Decal − Torque | 2 |
| 43 | 68−8610 | Fender − Extension | 1 |
| 44 | 3234−14 | Screw − HH | 2 |
| 45 | 32144−10 | Screw − Tap | 11 |
| 46 | 21−2770 | Pad − Foot Rest R.H. | 1 |
| 47 | 21−2760 | Pad − Foot Rest L.H. | 1 |
| 48 | 88−0070 | Floor Plate | 1 |
| 50 | 3234−25 | Screw − HHF | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 51 | 3254−2 | Washer − Lock, Int. Tooth | 1 |
| 52 | 18−2770 | Cable − Ground | 1 |
| 53 | 92−7801 | Shield − Battery Cover | 2 |
| 54 | 93−3184 | Cover (Incl. Ref. #33) | 1 |
| 55 | 3290−144 | Screw − HH | 3 |
| 56 | 3296−2 | Nut − Lock | 3 |
| 57 | 93−7410 | Panel − Footrest | 1 |
| 58 | 66−3200 | Tread − Foot, LH | 1 |
| 59 | 93−7626 | Fender − RH | 1 |
| 60 | 3234−33 | Screw − Flange | 1 |
| 61 | 93−7276 | Decal − Danger | 1 |
| 62 | 93−6668 | Decal − Charging | 1 |
| 63 | 93−7252 | Decal − CE | 1 |
| ■64 | 32148−9 | Nut − Clinch | 1 |

† Includes item 42, page 15.
■ Special tool required.



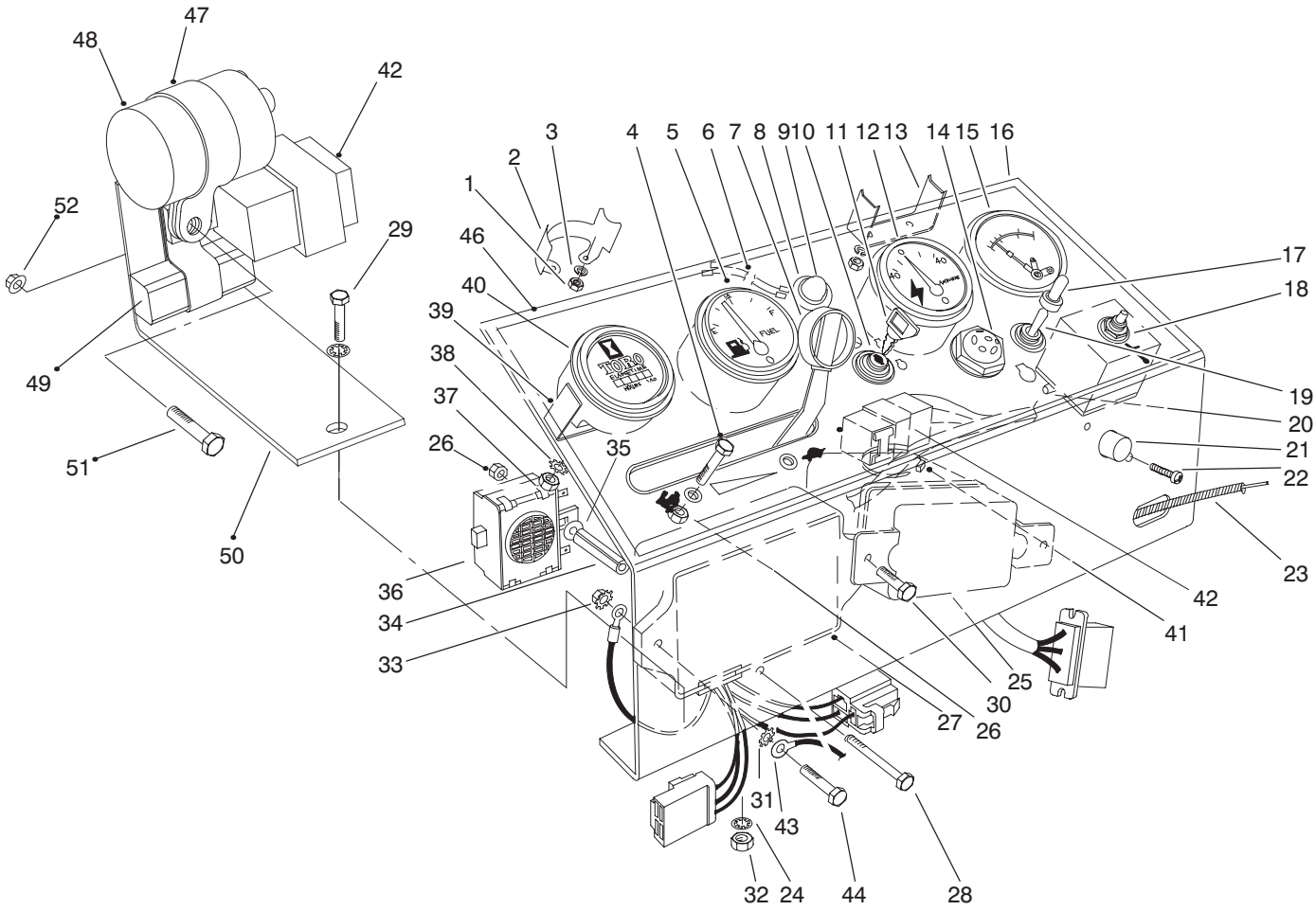

T–2802

# Main Frame Assembly (Continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70–2200 | 1 | Decal–Toro |
| 2 | 98–3879 | | Asm–Frame |
| | | 1 | (Incl. Ref. #1 & 3–13) |
| 3 | 98–3866 | 2 | Brace Upper |
| 4 | 3234–24 | 2 | Screw–HHF |
| 5 | 3234–25 | 10 | Screw–HHF |
| 6 | 98–3865 | 1 | Brace–Lower Right |
| 7 | 3231–25 | 4 | Screw–Carriage |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 8 | 98–3864 | 1 | Brace–Lower Left |
| 9 | 32128–21 | 4 | Nut–Lock HFH |
| 10 | 93–7830 | 2 | Decal–Torque |
| 11 | 100–6552 | 1 | Decal–Oil Fill |
| 12 | 32148–9 | 1 | Insert–Threaded |
| 13 | 93–7836 | 1 | Decal–Traction Pedal |

3324−129

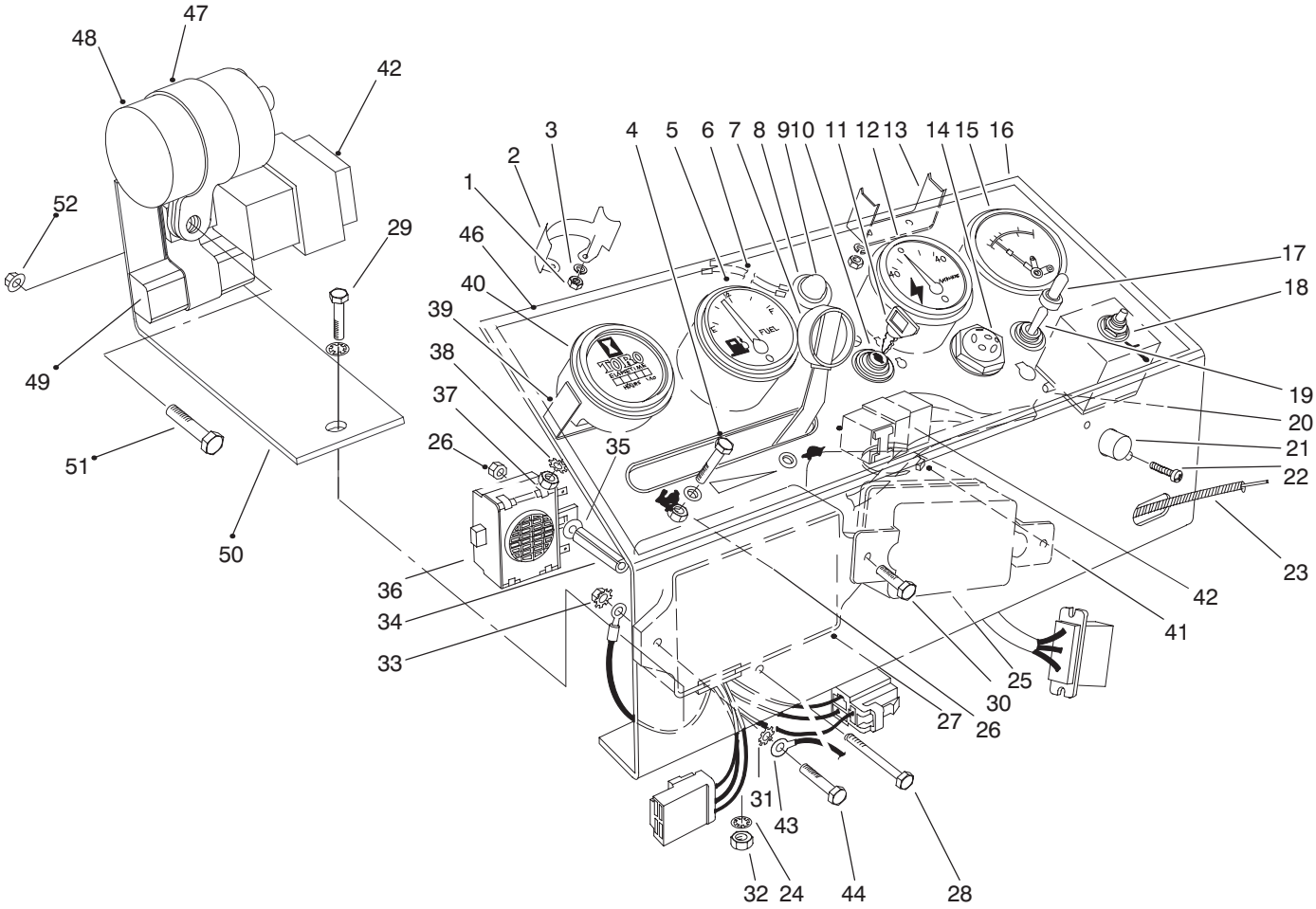



T−0408−5

# INSTRUMENT PANEL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3219−14 | Nut − Hex. | 6 |
| 2 | 38−1670 | Clamp − Mounting | 2 |
| 3 | 3253−17 | Washer − Lock | 6 |
| 4 | 3290−134 | Screw − HH | 2 |
| 5 | 38−1650 | Gauge − Fuel (Incl. Ref. #1−3) | 1 |
| 6 | 44−2220 | Wire Lead | 1 |
| 7 | 233−35 | Knob | 2 |
| 8 | 44−2210 | Light − Warning (Incl. Ref. #9) | 1 |
| 9 | 218−533 | Lens | 1 |
| 10 | 99−2319 | Switch − Key | 1 |
| 11 | 63−8360 | Key | 1 |
| 12 | 38−1660 | Ammeter (Inc. Ref. #1−3) | 1 |
| 13 | 218−539 | Clamp | 1 |
| 14 | 42−9190 | Lamp − Glow | 1 |
| 15 | 26−6750 | Gauge − Engine Temp. (Incl. Ref. #1, 3, & 13) | 1 |
| 16 | 43−3970 | Panel − Instrument | 1 |
| 17 | 218−473 | Boot − Switch, Toggle | 1 |
| 18 | 26−6740 | Relay − Temperature Reset | 1 |
| 19 | 6−1659 | Switch − Toggle (Inc. Ref. #17) | 1 |
| †20 | | Fuse − Temp. Relay 14 Amp. SFE | 1 |
| 21 | 43−4000 | Circuit Breaker | 1 |
| 22 | 3250−17 | Screw − PH | 2 |
| 23 | 43−3990 | Throttle Control (Incl. Ref. #7) | 1 |
| 24 | 3254−2 | Washer − Lock, Int. Tooth | 6 |
| 25 | 43−0410 | Asm. − Regulator | 1 |
| 26 | 3296−12 | Nut − Lock | 3 |
| 27 | 43−1880 | Asm. − Control Unit | 1 |
| 28 | 3290−424 | Screw − HH | 1 |
| 29 | 322−5 | Screw − HH | 2 |
| 30 | 321−4 | Screw − HH | 2 |
| 31 | 3255−7 | Washer − Lock, Ext. Tooth | 3 |
| 32 | 3217−6 | Nut − Hex | 2 |
| 33 | 32149−2 | Nut − Lock | 3 |
| 34 | 43−3820 | Spacer | 1 |
| 35 | 3256−14 | Washer − Flat | 1 |
| 36 | 22−7820 | Asm. − Buzzer | 1 |
| 37 | 3217−26 | Nut − Hex. | 1 |
| 38 | 3255−5 | Washer − Lock | 1 |
| 39 | 218−515 | Bracket − Mounting | 1 |
| 40 | 66−2950 | Hour Meter (Incl. Ref. #37−39) | 1 |
| 41 | 3290−379 | Cable Tie | 1 |
| 42 | 70−1480 | Relay | 2 |
| 43 | 70−1190 | Cable − Ground | 1 |
| 44 | 321−6 | Screw − HH | 1 |
| 46 | 93−7813 | Decal − Instrument Panel | 1 |

†Obtain Locally

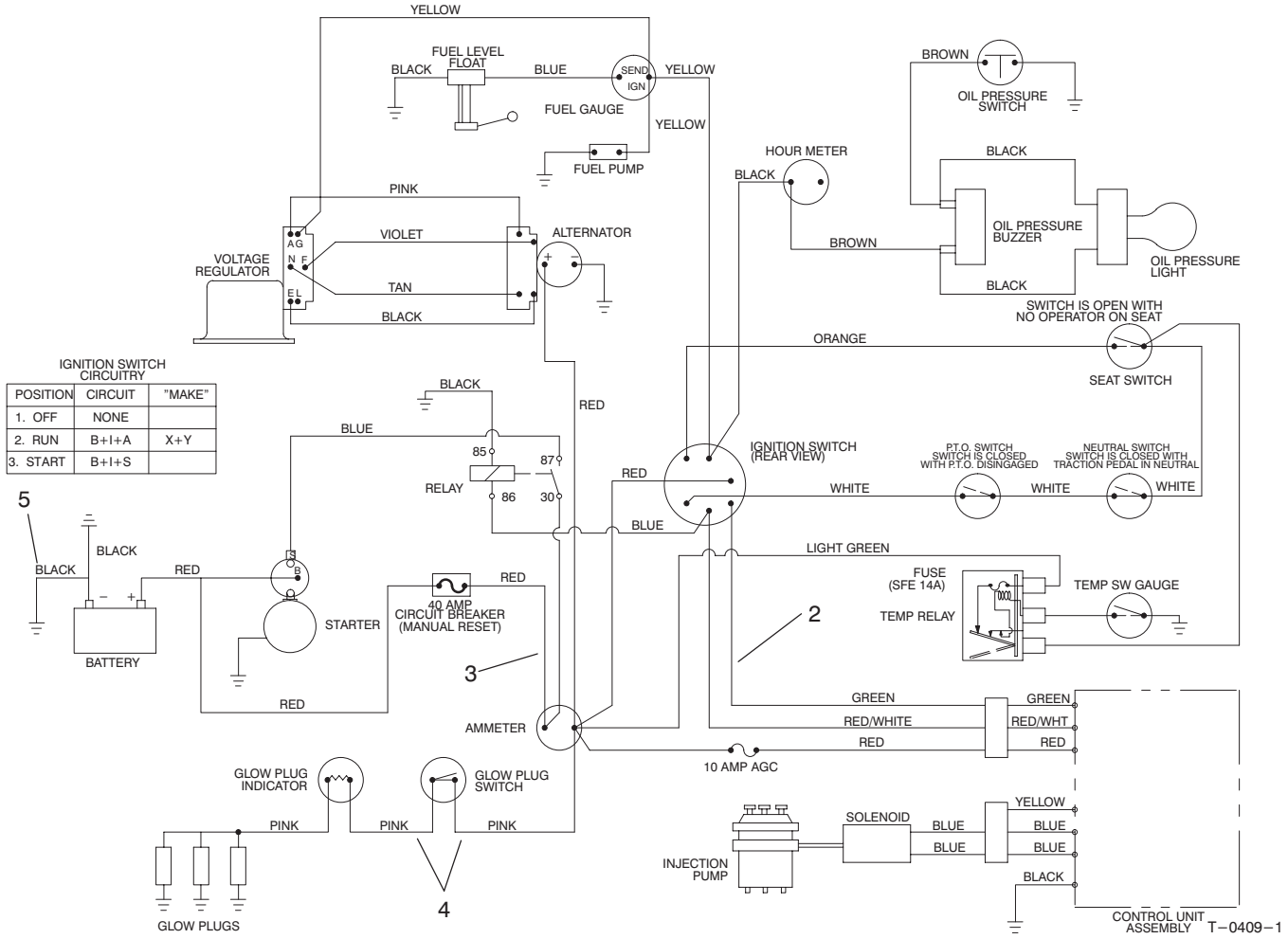



T−0408−5

# INSTRUMENT PANEL ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 47 | 2412−74 | Clamp | 1 |
| 48 | 37−2690 | Capacitor | 1 |
| 49 | 38−2860 | Resistor | 1 |
| 50 | 100−6560 | Bracket−Capacitor | 1 |
| 51 | 3234−4 | Screw | 1 |
| 52 | 32128−33 | Nut | 1 |

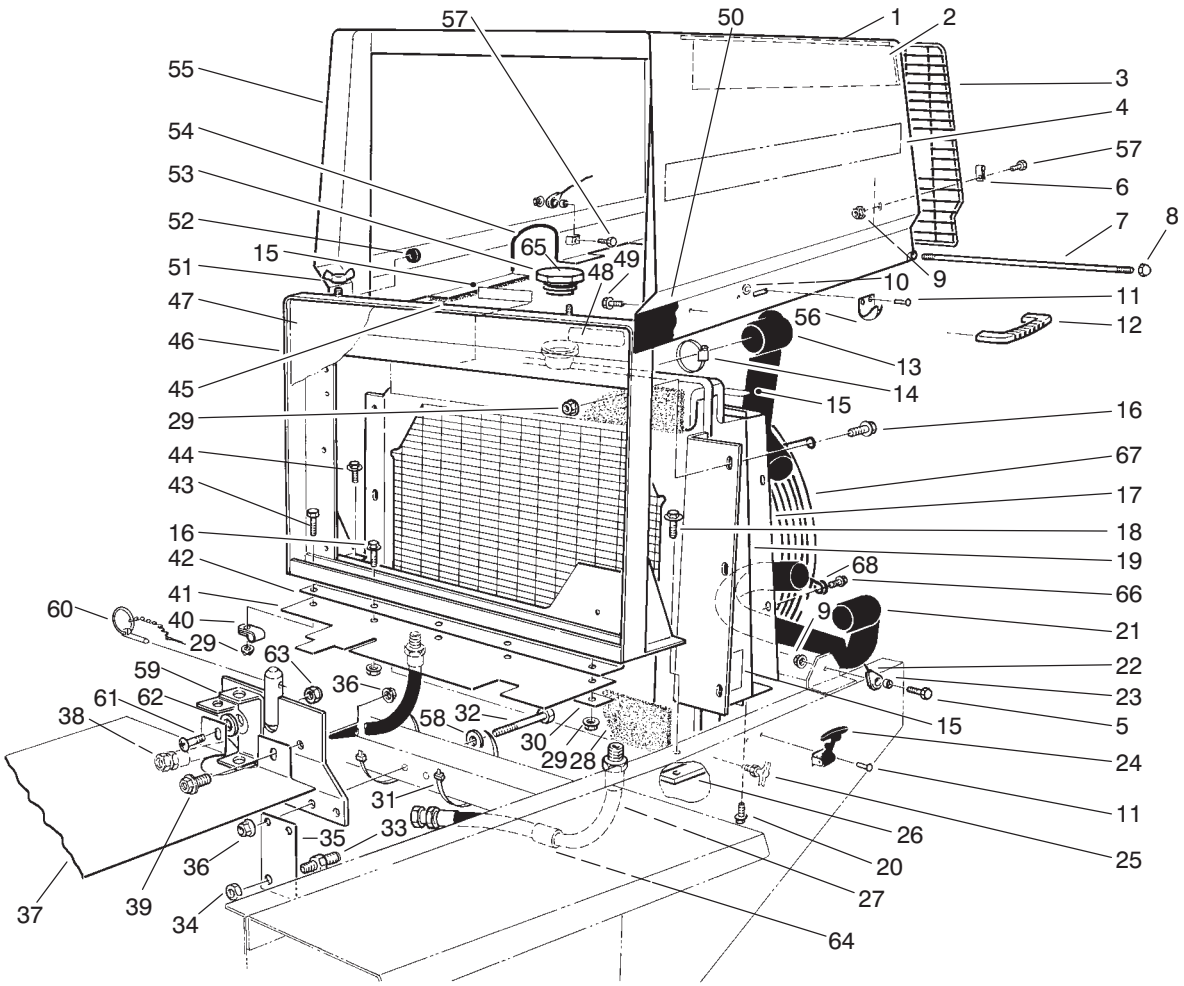
†Obtain Locally




# ELECTRICAL SCHEMATIC

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 2 | 100−9978 | Asm. − Wire Harness | 1 |
| 3 | 43−4040 | Asm. − Wire | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 4 | 43−4010 | Asm. − Wire | 2 |
| 5 | 70−1190 | Ground Cable | 1 |

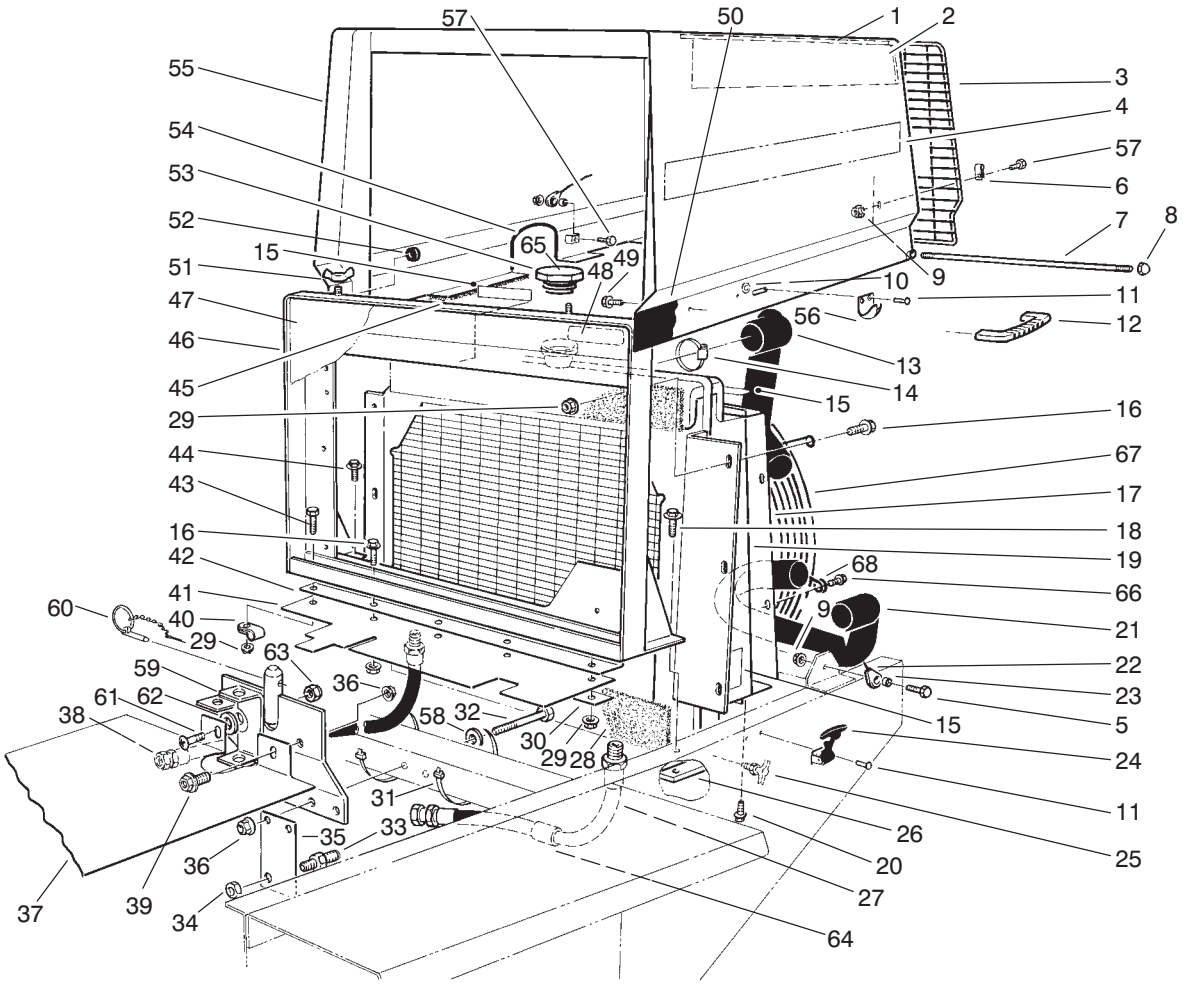



T−1185−1

# RADIATOR & HOOD ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 77−5170 | Foam − Top | 1 |
| 2 | 77−5160 | Foam − Side | 1 |
| 3 | 67−9000 | Screen − Rear | 1 |
| 4 | 93−3188 | Decal − Groundsmaster | 2 |
| 5 | 321−4 | Screw − HH | 2 |
| 6 | 2412−127 | Clamp | 4 |
| 7 | 67−8840 | Pin − Hinge | 1 |
| 8 | 32111−8 | Nut − Acorn | 2 |
| 9 | 32128−32 | Nut − Flange | 8 |
| 10 | 3269−10 | Washer − Backup | 2 |
| 11 | 3290−271 | Rivet | 4 |
| 12 | 65−5100 | Handle − Hood | 1 |
| 13 | 43−3350 | Hose − Upper Radiator | 1 |
| 14 | 2412−3 | Clamp − Hose | 4 |
| 15 | 93−7272 | Decal − Warning | 3 |
| 16 | 3234−14 | Screw − HHF | 11 |
| 17 | 43−3330 | Shroud − Radiator | 1 |
| 18 | 3234−1 | Screw − HHF | 2 |
| 19 | 33−2570 | Asm. − Radiator | 1 |
| 20 | 32104−116 | Screw − Tap | 4 |
| 21 | 43−7020 | Hose − Lower Radiator | 1 |
| 22 | 77−3170 | Stop − Hood Cable | 2 |
| 23 | 77−5250 | Spacer − Hood Cable | 4 |
| 24 | 249−39 | Latch − Flexible Draw | 1 |
| 25 | 304−46 | Drain Cock | 1 |
| 26 | 38−4600 | Bar − Frame LH | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 27 | 63−9010 | Asm. − Hose, Cooler/Pump | 1 |
| 28 | 43−3320 | Foam − Radiator | 2 |
| 29 | 32128−20 | Screw − HHF | 11 |
| 30 | 67−8470 | Strip − Retainer | 1 |
| 31 | 3290−379 | Tie − Cable | 4 |
| 32 | 323−14 | Screw − HH | 3 |
| 33 | 340−71 | Union − Bulkhead | 2 |
| 34 | 340−70 | Nut − Lock Bulkhead | 2 |
| 35 | 68−9160 | Bracket | 1 |
| 36 | 32128−21 | Nut − Flange | 5 |
| 37 | 88−3390 | Plate − Sealing | 1 |
| 38 | 63−8960 | Asm. − Hose, Valve/Cooler | 1 |
| 39 | 3234−11 | Screw − Flange | 1 |
| 40 | 2412−39 | Clamp | 1 |
| 41 | 67−8570 | Strip − Sealing | 1 |
| 42 | 43−3340 | Plate − Sealing, Grille | 1 |
| 43 | 322−6 | Screw − HH | 1 |
| 44 | 11−0590 | Screw − Tap | 2 |
| 45 | 82−8950 | Foam − Flange Hood | 2 |
| 46 | 67−8870 | Support − Radiator | 1 |
| 47 | 67−9030 | Grille | 1 |
| 48 | 93−7821 | Decal − Radiator Coolant | 1 |
| 49 | 46−8091 | Screw − Flange | 2 |
| 50 | 77−5141 | Decal − Hood LH | 1 |
| * | 77−5151 | Decal − Hood RH | 1 |
| 51 | 32103−2 | Nut − Wing | 2 |



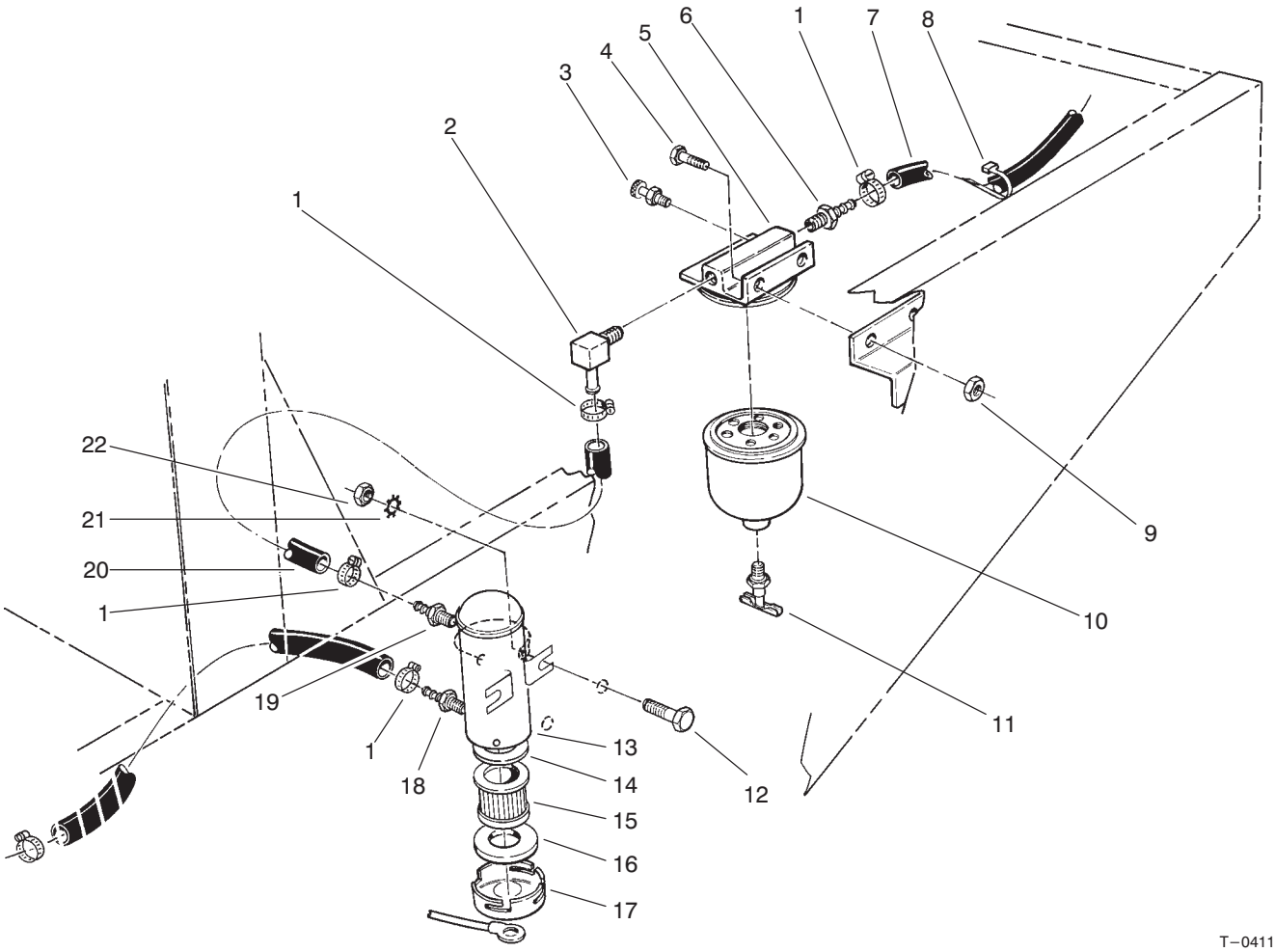

T−1185−1

# RADIATOR & HOOD ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 52 | 237−141 | Bumper − Radiator | 2 |
| 53 | 66−3240 | Cap − Radiator | 1 |
| 54 | 66−8111 | Trim − Hood Cutout | 1 |
| 55 | 14−4149 | Hood | 1 |
| 56 | 249−40 | Keeper | 1 |
| 57 | 3274−69 | Screw − Socket Hd. | 6 |
| 58 | 5−0838 | Washer − Flat | 3 |
| 59 | 86−9410 | Bracket − Seat Support | 1 |
| 60 | 283−76 | Pin − Lynch | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 61 | 32122−16 | Screw − Truss Hd. | 1 |
| 62 | 88−3370 | Spacer − Sealing Plate | 1 |
| 63 | 3296−59 | Nut − Lock | 1 |
| 64 | 38−3400 | Guard − Rubber | 1 |
| 65 | 93−7840 | Decal − Radiator Cap | 1 |
| 66 | 32104−109 | Screw − Hex. Hd. | 4 |
| 67 | 93−9729 | Guard − Fan | 1 |
| 68 | 3256−22 | Washer − Flat | 4 |

*Not Illustrated

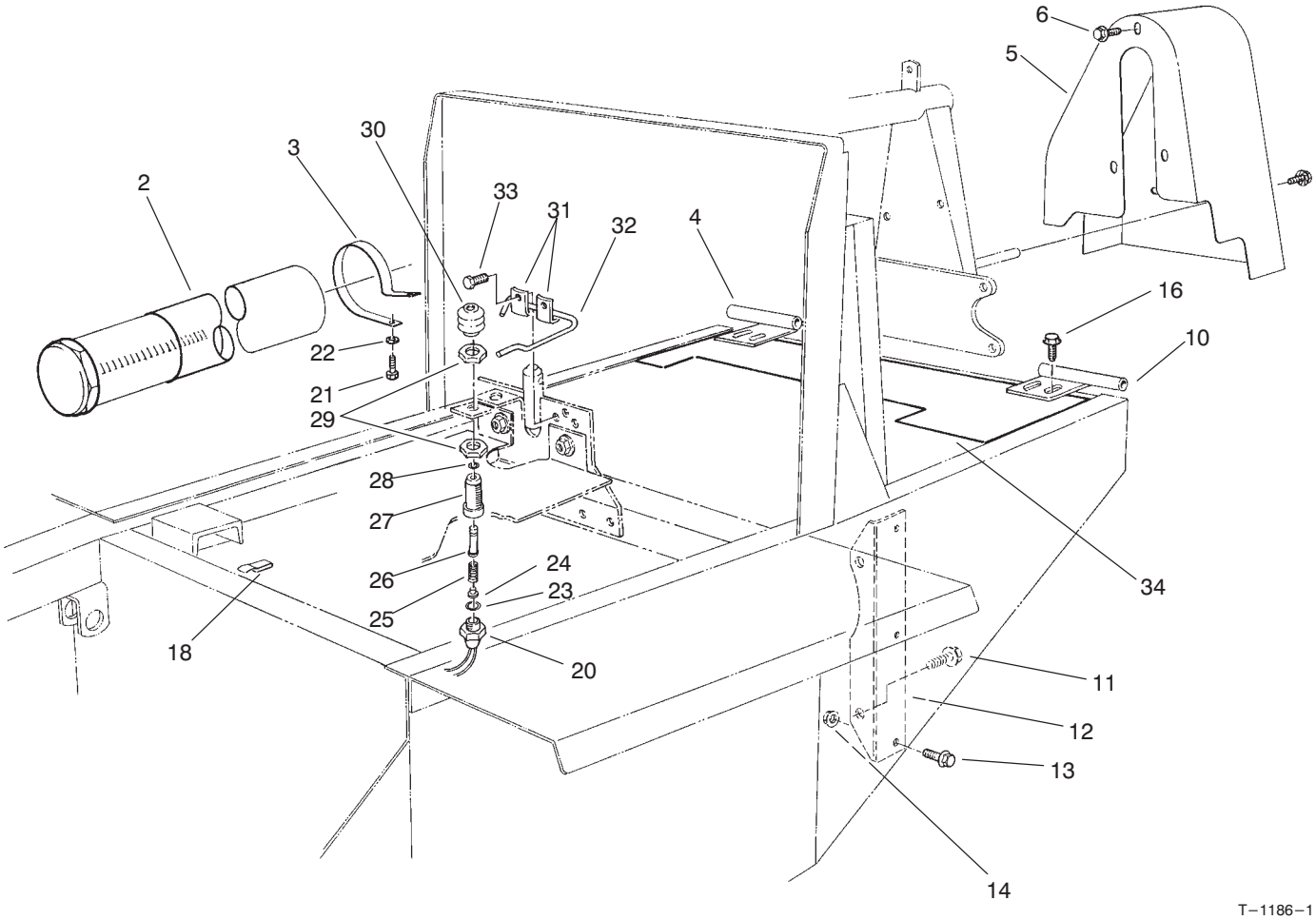



# FUEL FILTER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 2412−108 | Hose Clamp | 5 |
| 2 | 304−96 | 90° Hose Barb | 1 |
| 3 | 63−8290 | Vent | 1 |
| 4 | 321−4 | Screw − HH | 2 |
| 5 | 63−8280 | Asm. − Head | 1 |
| 6 | 353−975 | Hose Barb | 1 |
| 7 | 63−9720 | Hose | 1 |
| 8 | 3290−378 | Cable Tie | A/R |
| 9 | 32149−2 | Nut | 2 |
| 10 | 63−8300 | Element − Fuel Filter (Incl. Ref. #11) | 1 |
| 11 | 63−8310 | Drain Valve | 1 |
| 12 | 321−6 | Screw − Cap Hex. Hd. | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 13 | 53−8150 | Asm. − Fuel Pump, Electric (Incl. Ref. #14−17) | 1 |
| 14 | 43−2570 | Gasket | 1 |
| 15 | 43−2550 | Filter | 1 |
| 16 | 43−2560 | Gasket | 1 |
| 17 | 43−2580 | Magnet | 1 |
| 18 | 353−702 | Hose Barb | 1 |
| 19 | 304−73 | Hose Barb | 1 |
| 20 | 63−9650 | Hose | 1 |
| 21 | 3255−7 | Washer − Lock, Ext. Tooth | 2 |
| 22 | 32149−2 | Nut | 2 |
| * | 95−3092 | 400 Hour Filter Kit (Incl. Ref. #10 & 15) | 1 |

*Not Illustrated



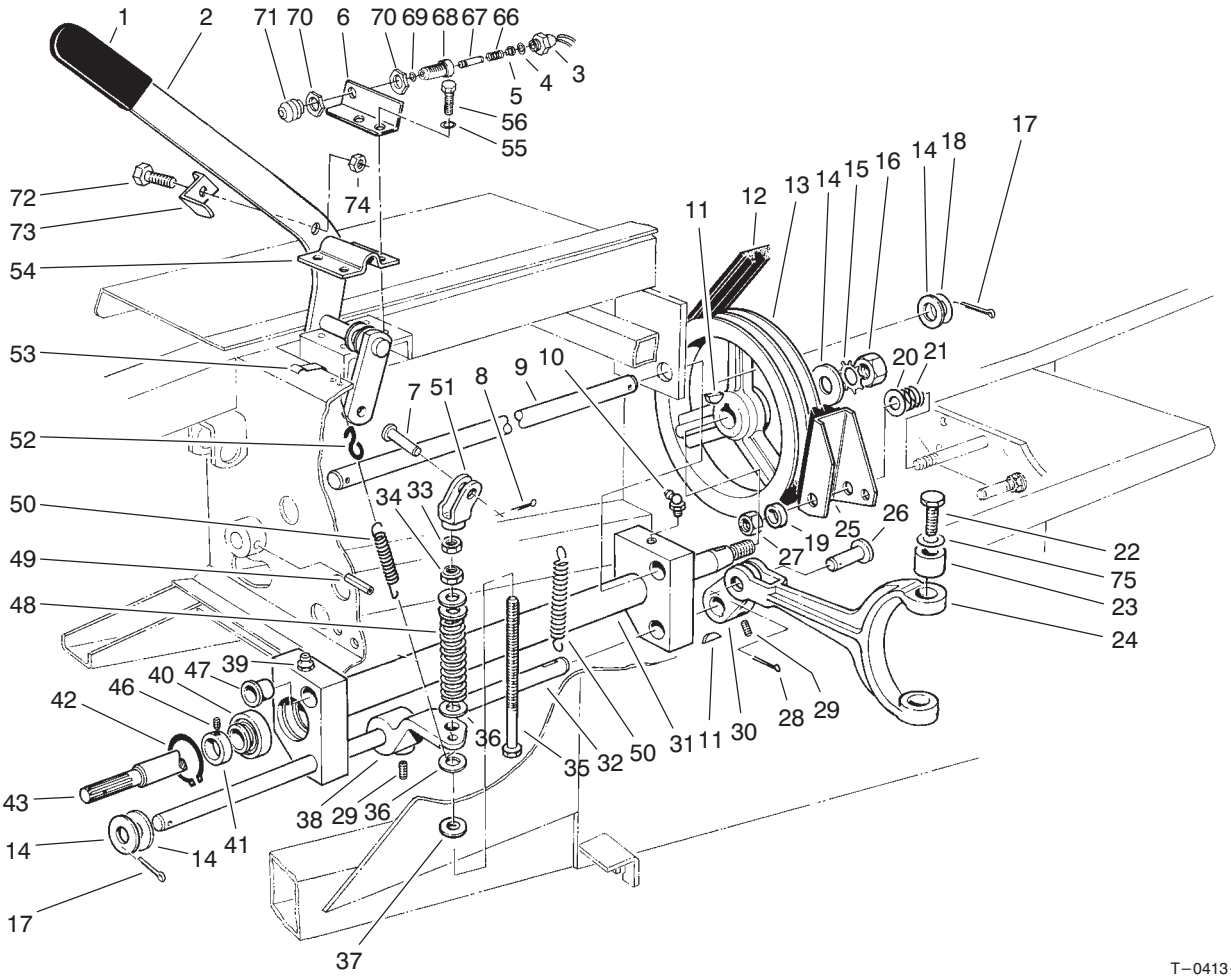

T−1186−1

# INTERLOCK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 2 | 74−0720 | Tube − Manual | 1 |
| 3 | 2412−133 | R−Clamp | 2 |
| 4 | 67−8820 | Hinge, R.H. | 1 |
| 5 | 43−3900 | Guard − Fan Belt | 1 |
| 6 | 3234−14 | Screw − HH | 5 |
| 10 | 67−8810 | Hinge L.H. | 1 |
| 11 | 3234−32 | Screw − Flange | 2 |
| 12 | 67−8190 | Bracket − Engine Support | 2 |
| 13 | 3234−11 | Screw − Flange | 6 |
| 14 | 3290−357 | Nut − Flange | 6 |
| 16 | 3234−17 | Screw − HH | 4 |
| 18 | 212−93 | Wire Clip | 2 |
| 20 | 72−4320 | Switch − Ball | 1 |
| 21 | 322−2 | Screw − HH | 2 |
| 22 | 3256−23 | Washer − Flat | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 237−30 | O−Ring | 1 |
| 24 | 43−8610 | Guide − Spring & Ball Seat | 1 |
| 25 | 43−8600 | Spring − Compression | 1 |
| 26 | 43−8860 | Plunger − Switch | 1 |
| 27 | 43−8620 | Guide − Switch Pin | 1 |
| 28 | 237−7 | O−Ring | 1 |
| 29 | 218−461 | Nut − Jam | 1 |
| 30 | 43−8870 | Boot − Switch | 1 |
| 31 | 3−6657 | Clip | 2 |
| 32 | 86−7040 | Rod − Seat Prop | 1 |
| 33 | 32144−10 | Screw − Tap | 2 |
| 34 | 93−8472 | Guard − Flywheel | 1 |
| * | 43−9071 | Asm. − Switch (Incl. Ref. #20, 23−30; Qty. 1 of #29) | 1 |

*Not Illustrated

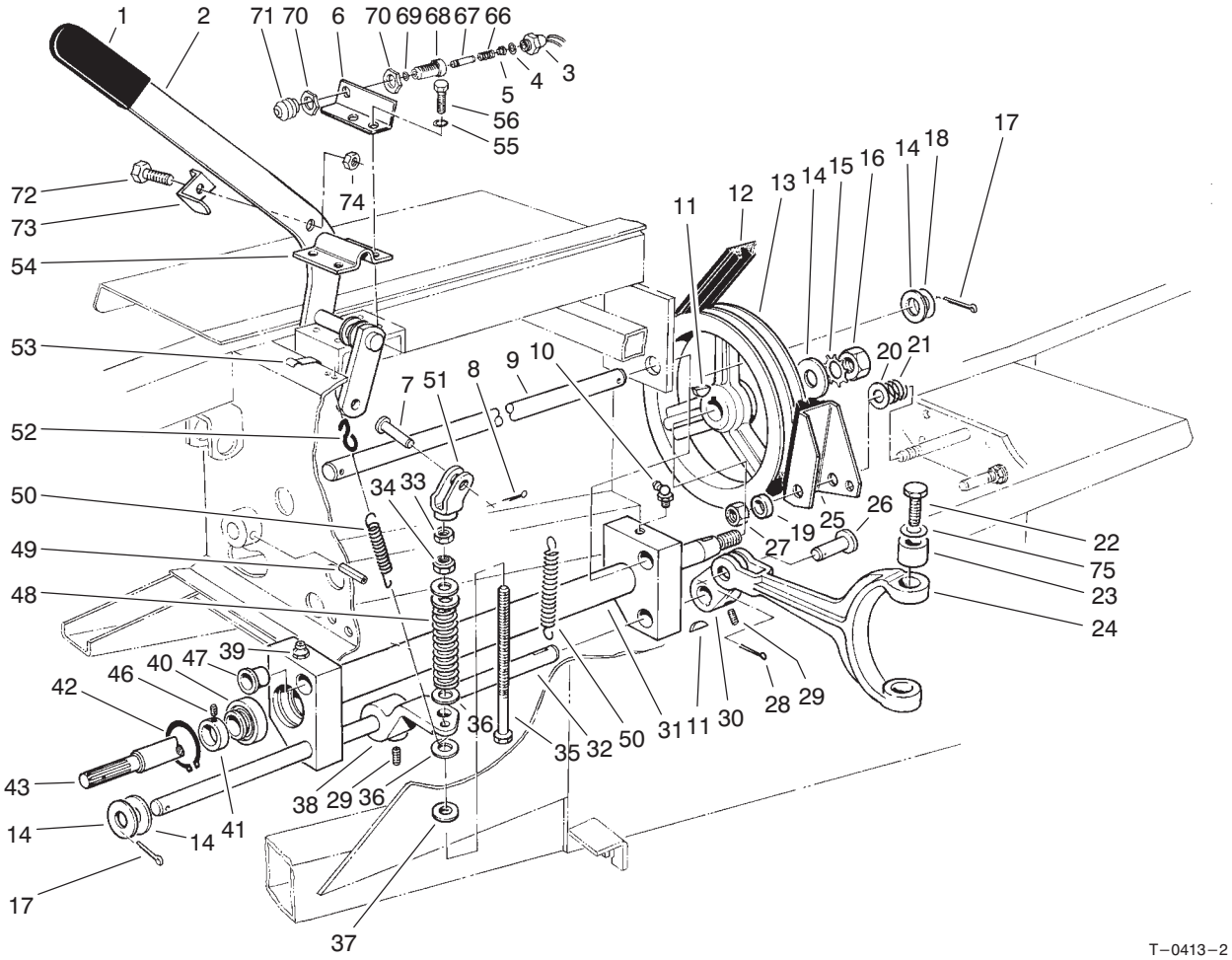



T−0413−2

# POWER TAKE OFF (PTO) ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 21−1880 | Grip − Handle | 1 |
| 2 | 84−8500 | Lever − PTO | 1 |
| 3 | 72−4320 | Switch − Ball | 1 |
| 4 | 237−30 | O−Ring | 1 |
| 5 | 43−8610 | Guide − Spring & Ball Seat | 1 |
| 6 | 84−8520 | Bracket − PTO Switch | 1 |
| 7 | 283−42 | Pin − Clevis | 1 |
| 8 | 3272−6 | Pin − Cotter | 1 |
| 9 | 43−3860 | Shaft − Pivot, PTO | 1 |
| 10 | 302−10 | Fitting − Grease | 1 |
| 11 | 3257−5 | Key − Woodruff | 3 |
| 12 | 53−9660 | V−Belt Torque Team | 1 |
| 13 | 21−0230 | Pulley − PTO | 1 |
| 14 | 3256−28 | Washer − Flat | 4 |
| 15 | 3254−7 | Washer − Lock | 1 |
| 16 | 3219−7 | Nut − Hex. | 1 |
| 17 | 3272−22 | Pin − Cotter | 2 |
| 18 | 3−6498 | Washer | A/R |
| 19 | 3−8812 | Spacer | 1 |
| 20 | 3256−6 | Washer − Flat | 1 |
| 21 | 5−1747 | Spring | 1 |
| 22 | 92−5727 | Screw − HH | 2 |
| 23 | 92−5723 | Bushing − PTO Fork | 2 |
| 24 | 92−4060 | Fork − PTO | 1 |
| 25 | 27−7370 | Asm. − Brake , PTO | 1 |
| 26 | 93−3769 | Pin − Clevis | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 27 | 3296−28 | Nut − Lock | 1 |
| 28 | 3272−11 | Pin − Cotter | 1 |
| 29 | 3246−3 | Screw − Set | 4 |
| 30 | 92−4058 | Arm − PTO | 1 |
| 31 | 43−5500 | Pivot − PTO | 1 |
| 32 | 43−5550 | Shaft − Actuator, PTO | 1 |
| 33 | 3219−3 | Nut − Hex. | 1 |
| 34 | 3296−6 | Nut − Lock | 1 |
| 35 | 27−7900 | Screw − Adjusting | 1 |
| 36 | 3256−41 | Washer − Flat | 4 |
| 37 | 5−0652 | Spacer | 1 |
| 38 | 43−5570 | Arm − Actuator, PTO | 1 |
| 39 | 302−2 | Fitting − Grease | 1 |
| 40 | 251−252 | Bearing − Ball (Incl. Ref. #41) | 2 |
| 41 | 251−234 | Collar − Lock (Incl. Ref. #46) | 2 |
| 42 | 32120−22 | Ring − Retaining | 2 |
| 43 | 43−5540 | Shaft − PTO | 1 |
| 46 | 3245−1 | Screw − Set | 2 |
| 47 | 256−113 | Bushing − Flange | 4 |
| 48 | 21−0400 | Spring − Compression | 1 |
| 49 | 32121−9 | Pin − Roll | 1 |
| 50 | 21−1830 | Spring − Tension | 2 |
| 51 | 43−5630 | Yoke − PTO | 1 |
| 52 | 5−0701 | Anchor − Spring | 1 |

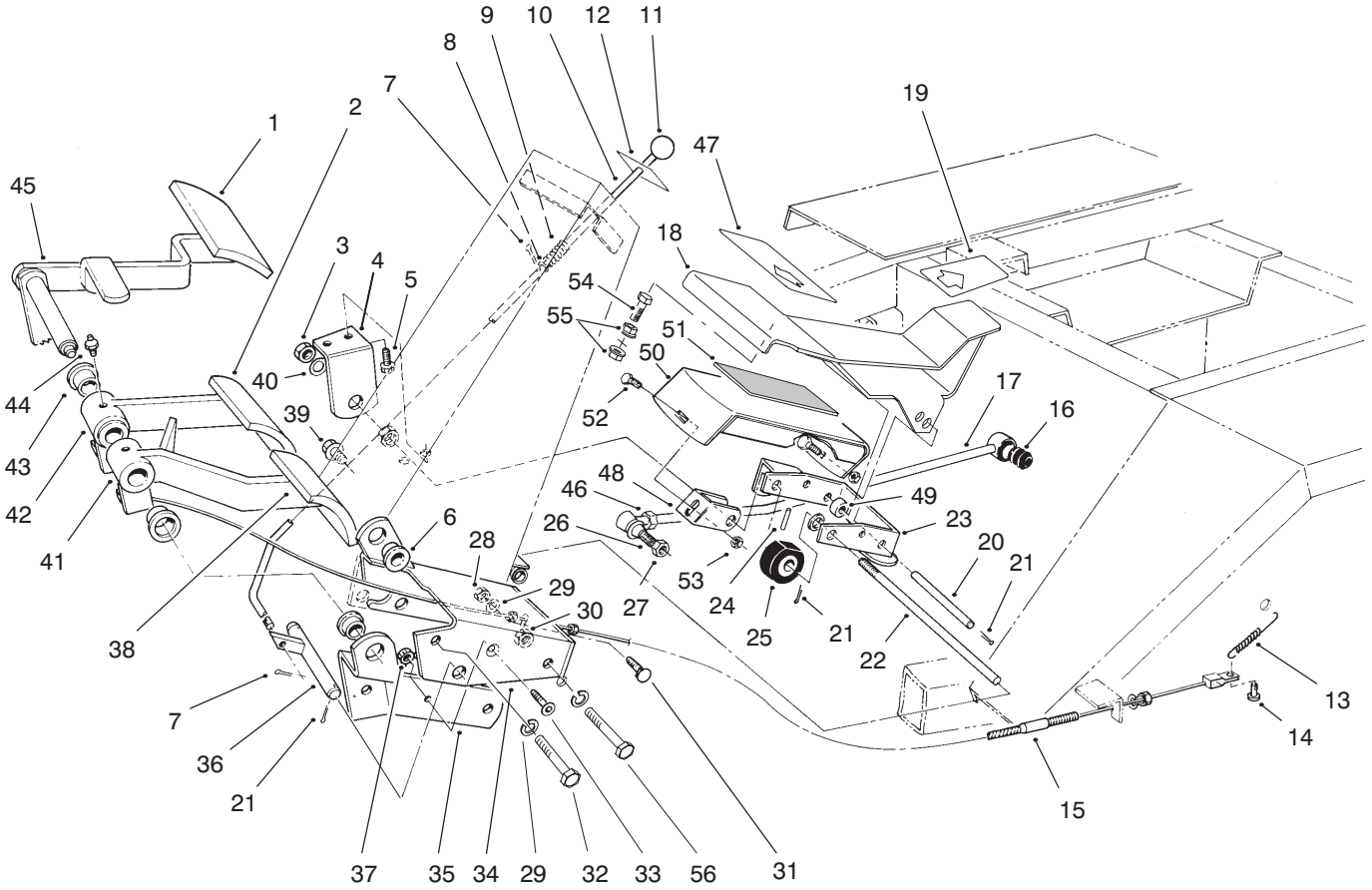



# POWER TAKE OFF (PTO) ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 53 | 212−93 | Clip − Wire | 1 |
| 54 | 21−1600 | Clamp − Lever, PTO | 1 |
| 55 | 3253−21 | Washer − Lock | 4 |
| 56 | 32104−6 | Screw − Tap | 4 |
| 66 | 43−8600 | Spring − Compression | 1 |
| 67 | 43−8860 | Plunger − Switch | 1 |
| 68 | 43−8620 | Guide − Switch Pin | 1 |
| 69 | 237−7 | O−Ring | 1 |
| 70 | 218−461 | Nut − Jam | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 71 | 43−8870 | Boot − Switch | 1 |
| 72 | 321−4 | Screw − HH | 1 |
| 73 | 86−7050 | Bracket − Switch Actuator | 1 |
| 74 | 3296−16 | Nut − Lock | 1 |
| 75 | 79−9890 | Washer − Shim | A/R |
| * | 43−9071 | Asm. − Switch (Incl. Ref. #3−5, & 66−71; Qty. 1 of #70) | 1 |

*Not Illustrated




T−0415−4

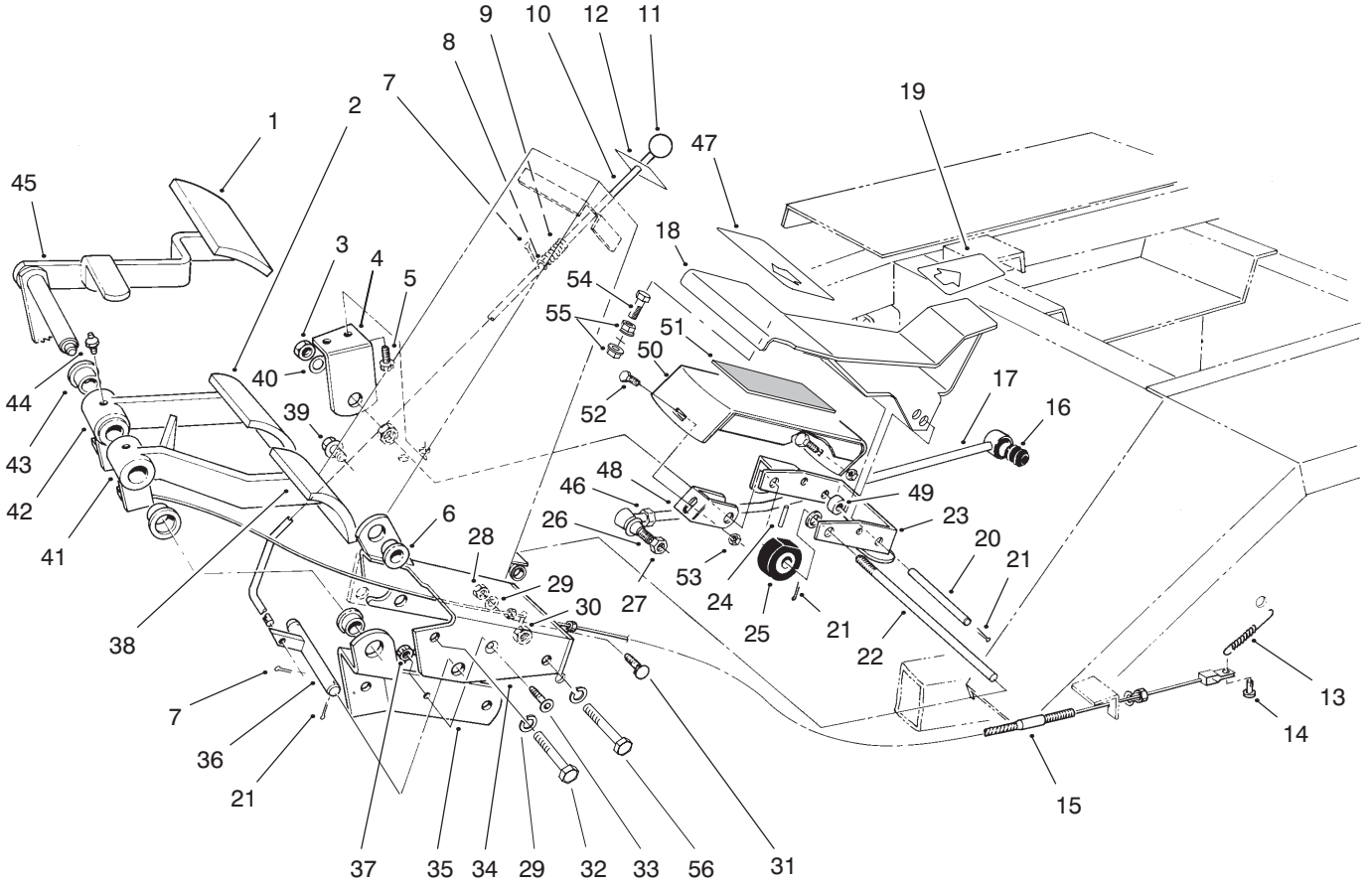
# BRAKE PEDAL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−8742 | Pad − Brake | 1 |
| 2 | 93−8743 | Pad − Turn | 2 |
| 3 | 3218−5 | Nut − Jam | 2 |
| 4 | 21−2850 | Mount − R.H. Pedal | 1 |
| 5 | 11−0590 | Screw − Tap | 2 |
| 6 | 256−156 | Bushing | 5 |
| 7 | 3272−5 | Pin − Cotter | 3 |
| 8 | 3256−22 | Washer − Flat | 1 |
| 9 | 95−1821 | Spring − Compression | 1 |
| 10 | 82−8670 | Rod − Brake Latch | 1 |
| 11 | 233−17 | Knob | 1 |
| 12 | 93−7831 | Decal − Parking Brake | 1 |
| 13 | 3−7243 | Spring − Extension | 2 |
| 14 | 283−58 | Pin − Clevis | 2 |
| 15 | 21−3380 | Cable − L.H. Brake | 1 |
| * | 21−3370 | Cable − R.H. Brake | 1 |
| 16 | 23−2270 | Bushing − Rubber | 1 |
| 17 | 23−2240 | Rod − Pump Control | 1 |
| 18 | 94−3304 | Pedal − Traction | 1 |
| 19 | 94−3308 | Pad − Pedal Rear | 1 |
| 20 | 88−1640 | Pin − Traction Pedal | 1 |
| 21 | 3272−6 | Pin − Cotter | 6 |
| 22 | 88−1650 | Shaft − Traction Pedal | 1 |
| 23 | 88−1670 | Bracket − Pivot (Inc. Ref. #6) | 1 |
| 24 | 32121−6 | Pin − Roll | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 25 | 28−5220 | Wheel − Friction | 1 |
| 26 | 21−0141 | Asm. − Socket, R.H. | 1 |
| 27 | 3220−3 | Nut − Jam | 1 |
| 28 | 3217−7 | Nut − Hex | 2 |
| 29 | 3253−21 | Washer − Lock | 4 |
| 30 | 32153−2 | Nut − Lock | 2 |
| 31 | 3231−21 | Bolt − Carriage | 2 |
| 32 | 323−13 | Screw − HH | 1 |
| 33 | 3274−47 | Screw − HSFH | 1 |
| 34 | 27−7590 | Mount − Brake | 1 |
| 35 | 27−9270 | Mount − Brake Pivot Shaft | 1 |
| 36 | 27−7640 | Shaft − Brake Latch | 1 |
| 37 | 32149−2 | Nut | 1 |
| 39 | 3234−11 | Screw − HH | 3 |
| 40 | 3256−26 | Washer − Flat | 1 |
| 41 | 27−7490 | Pedal − L.H. Brake (Incl. Ref. #43) | 1 |
| 42 | 27−7510 | Pedal − R.H. Brake (Incl. Ref. #43) | 1 |
| 43 | 256−10 | Bushing | 4 |
| 44 | 302−5 | Fitting − Grease | 2 |
| 45 | 27−8550 | Pedal − Parking Bake | 1 |
| 46 | 3220−5 | Nut − Jam | 1 |
| 47 | 94−3307 | Pad − Front Pedal | 1 |
| 48 | 88−1680 | Bracket − Footrest | 1 |
| 49 | 88−0470 | Tube − Pedal, Spacer | 1 |

*Not Illustrated

3324−129

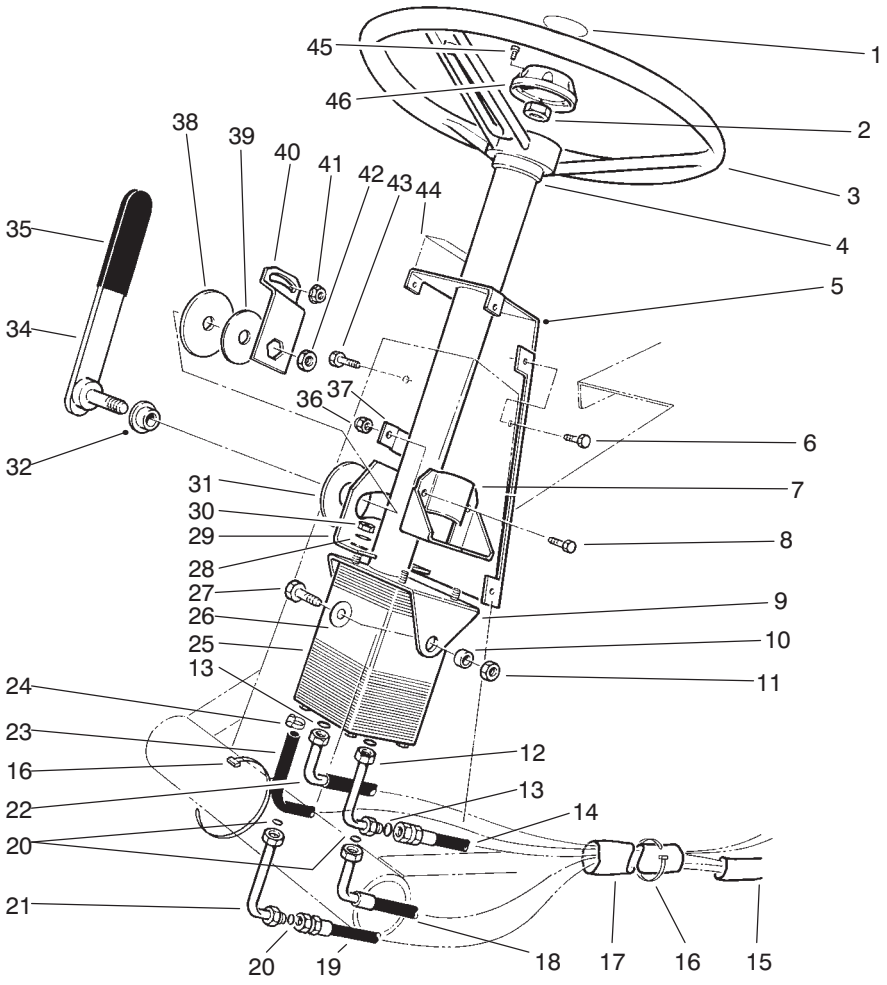



T−0415−4

# BRAKE PEDAL ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 50 | 88−1710 | Footrest | 1 |
| 51 | 88−1720 | Pad − Footrest | 1 |
| 52 | 3230−1 | Bolt − Carriage | 2 |
| 53 | 32128−25 | Nut − Flange | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 54 | 323−42 | Screw − Cap Hex. Hd. | 1 |
| 55 | 32128−43 | Nut − Flange Lock | 2 |
| 56 | 323−14 | Screw − HH | 1 |

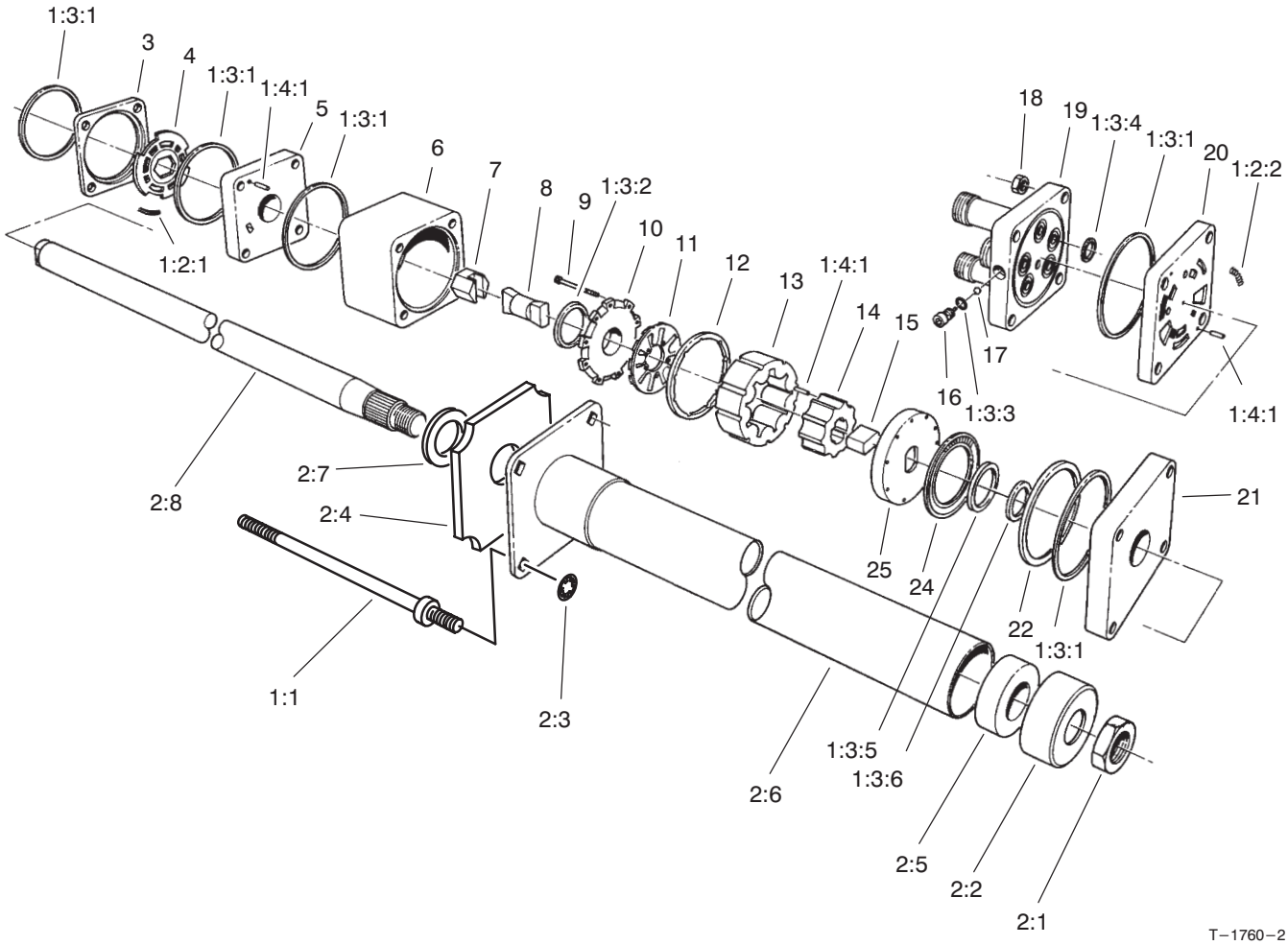



T−1187−2

# POWER STEERING ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 68−5370 | Decal − Toro | 1 |
| 2 | 66−9760 | Nut − Hex. | 1 |
| 3 | 75−0560 | Asm. − Steering Wheel (Incl. Ref. #45 & 46) | 1 |
| 4 | 21−9260 | Cover − Dust | 1 |
| 5 | 82−8660 | Cover − Tower | 1 |
| 6 | 32144−10 | Screw − Tap | 6 |
| 7 | 67−8690 | Support − Column | 1 |
| 8 | 3234−17 | Screw − HH | 2 |
| 9 | 77−3120 | Bracket − Mount, Column | 1 |
| 10 | 80−2960 | Spacer − Tower | 2 |
| 11 | 32153−2 | Nut − Hex. | 2 |
| 12 | 82−8760 | Elbow | 1 |
| 13 | 237−30 | O−Ring | 3 |
| 14 | 63−8970 | Hose − Trans. to Steering | 1 |
| 15 | 70−1390 | Sleeve − Protective | 1 |
| 16 | 3290−379 | Tie − Cable | 3 |
| 17 | 70−1380 | Sleeve − Protective | 1 |
| 18 | 68−9730 | Hose − Steering to Cylinder | 1 |
| 19 | 68−9720 | Hose − Cylinder to Steering | 1 |
| 20 | 237−22 | O−Ring | 3 |
| 21 | 82−8770 | Elbow | 1 |
| 22 | 63−8980 | Hose − Aux. to Valve | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 63−8990 | Hose | 1 |
| 24 | 2412−36 | Clamp | 2 |
| 25 | 92−7308 | Valve − Power Steering | 1 |
| 26 | 3256−46 | Washer − Flat | 2 |
| 27 | 323−6 | Screw − HH | 2 |
| 28 | 3256−3 | Washer − Flat | 4 |
| 29 | 80−2940 | Plate − Pivot | 1 |
| 30 | 3296−20 | Nut − Lock | 4 |
| 31 | 31−0390 | Disc − Friction | 1 |
| 32 | 80−2980 | Boss − Pin | 1 |
| 34 | 93−1353 | Lever − Steering Tilt | 1 |
| 35 | 21−1880 | Grip − Handle | 1 |
| 36 | 3296−29 | Nut − Lock | 2 |
| 37 | 82−8650 | Clamp − Half | 1 |
| 38 | 82−9010 | Disc − Friction | 1 |
| 39 | 80−2930 | Washer | 1 |
| 40 | 80−2880 | Bracket − Steering, Tilt | 1 |
| 41 | 32128−20 | Nut − Flange | 1 |
| 42 | 3218−7 | Nut − Jam | 1 |
| 43 | 322−4 | Screw − HH | 1 |
| 44 | 82−8940 | Decal − Steering, Tilt | 1 |
| 45 | 32144−21 | Screw − PPH | 1 |
| 46 | 68−5140 | Cap − Steering Wheel | 1 |



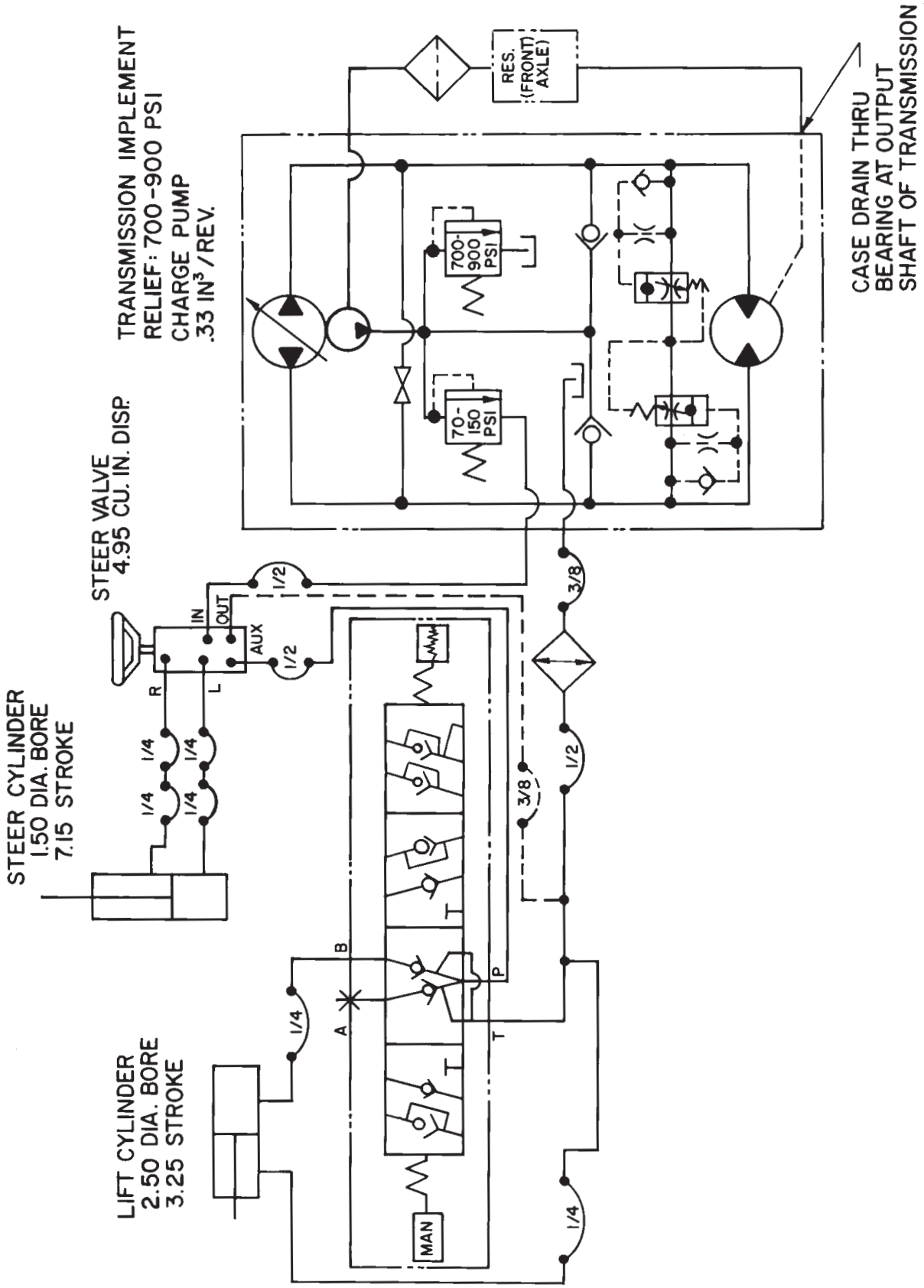

# POWER STEERING VALVE ASSEMBLY NO. 92−7308

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1:1 | 92−7310 | Bolt − Special | 4 |
| 1:2 | 66−9970 | Spring Kit | 1 |
| 1:2:1 | | Spring | 3 |
| 1:2:2 | | Spring | 3 |
| 1:3 | 66−9980 | Seal Kit | 1 |
| 1:3:1 | | Ring − Seal | 5 |
| 1:3:2 | | Seal − Commutator | 1 |
| 1:3:3 | | O−Ring | 1 |
| 1:3:4 | | O−Ring | 5 |
| 1:3:5 | | Seal − Face | 1 |
| 1:3:6 | | Spacer−Seal | 1 |
| 1:4 | 66−9990 | Needle Roller Kit | 1 |
| 1:4:1 | | Pin − Alignment | 9 |
| *2 | 92−7314 | Asm. − Column | 1 |
| 2:1 | 3220−6 | Nut | 1 |
| 2:2 | 92−7315 | Seal | 1 |
| 2:3 | 92−7316 | Nut − Push On | 4 |
| 2:4 | 92−7317 | Foam | 1 |
| 2:5 | 66−9780 | Bushing | 1 |
| 2:6 | | Upper Cover & Jacket | 1 |
| 2:7 | | Washer − Retaining | 1 |
| 2:8 | | Shaft − Input | 1 |
| 3 | | Ring − Valve | 1 |
| 4 | | Plate − Valve | 1 |

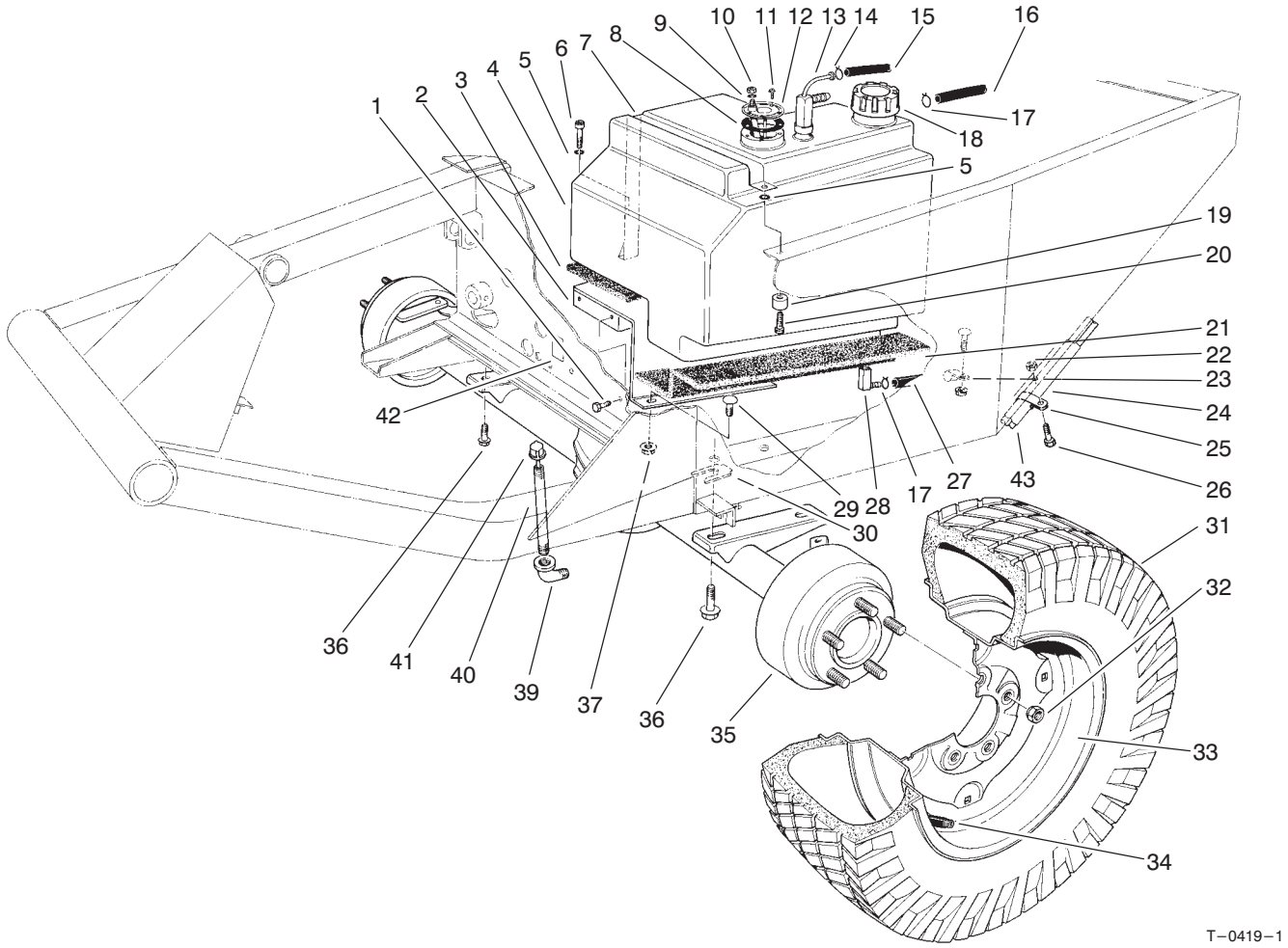
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 5 | | Manifold − Isolation | 1 |
| 6 | | Ring − Metering | 1 |
| 7 | | Asm. − Hex Drive | 1 |
| 8 | | Link − Drive | 1 |
| 9 | | Screw − HSH | 11 |
| 10 | | Cover − Commutator | 1 |
| 11 | | Commutator | 1 |
| 12 | | Ring − Commutator | 1 |
| 13 | | Stator | 1 |
| 13:6 | | Spacer − Seal | 1 |
| 14 | | Rotor | 1 |
| 15 | | Spacer − Drive Link | 1 |
| 16 | | Plug | 1 |
| 17 | | Ball | 1 |
| 18 | | Nut − Hex | 4 |
| 19 | | Cover − Port | 1 |
| 20 | | Manifold − Port | 1 |
| 21 | | Plate − Upper Cover | 1 |
| 22 | | Spacer − Thrust Bearing | 1 |
| 24 | | Bearing − Thrust | 1 |
| 25 | | Plate − Drive | 1 |

*Not Illustrated

# HYDRAULIC SCHEMATIC




T–0418–1

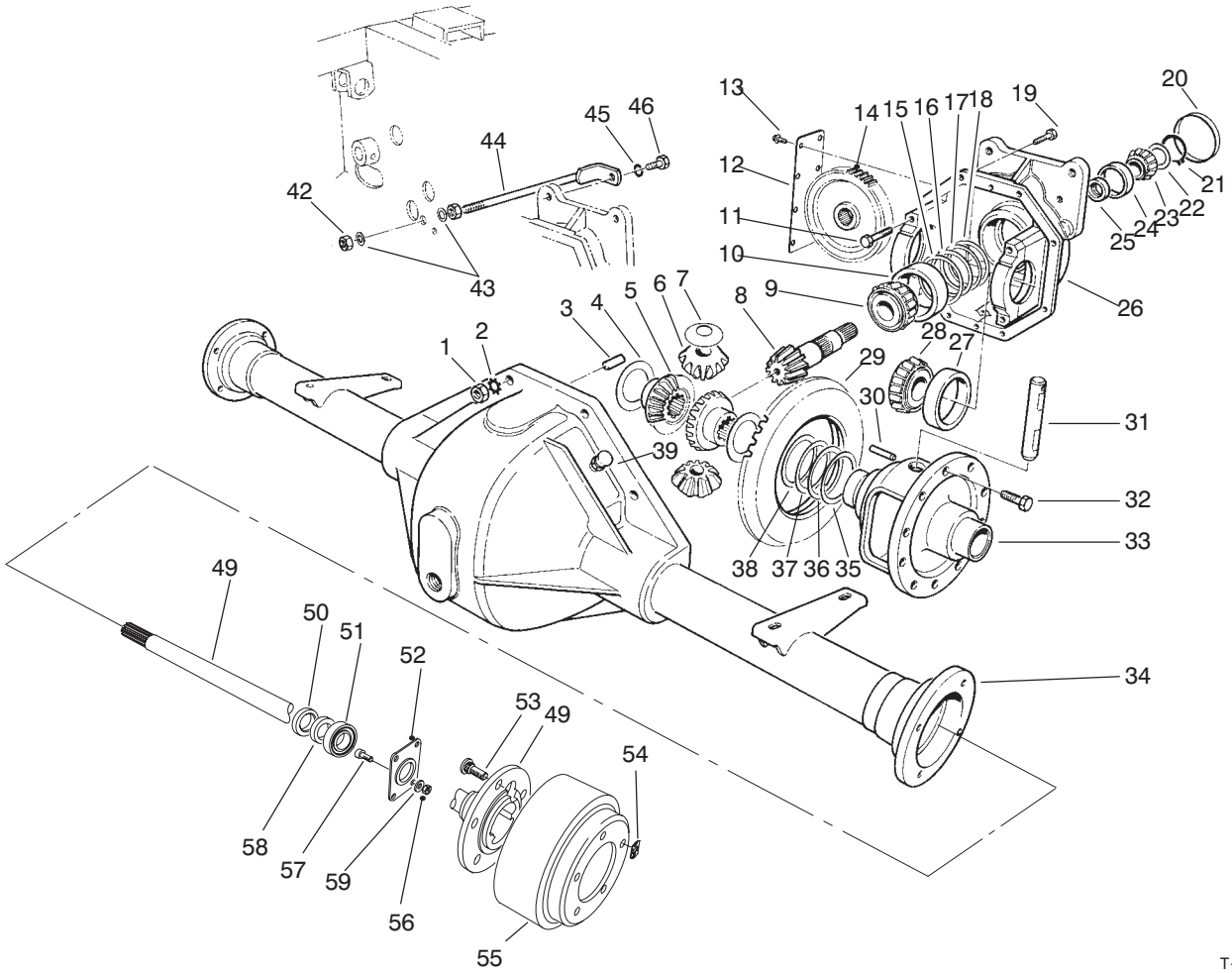



# FRONT AXLE & FUEL TANK ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3234−11 | Screw − HF | 2 |
| 2 | 68−9760 | Base − Fuel Tank | 1 |
| 3 | 21−3600 | Foam − Tank Support | 1 |
| 4 | 43−4150 | Fuel Tank (Incl. Ref. #13 & 14) | 1 |
| 5 | 3253−3 | Washer − Lock | 2 |
| 6 | 32104−96 | Screw − HH | 1 |
| 7 | 37−9550 | Strap − Fuel Tank | 1 |
| 8 | 62−7650 | Gasket | 1 |
| 9 | 3253−17 | Washer − Lock | 1 |
| 10 | 3219−14 | Nut − Hex. | 1 |
| 11 | 32144−53 | Screw − Tap | 5 |
| 12 | 62−6840 | Sender − Fuel Level | 1 |
| 13 | 43−4160 | Fitting − Return & Vent | 1 |
| 14 | 2412−79 | Clamp | 1 |
| 15 | 43−4230 | Hose Return | 1 |
| 16 | 43−5690 | Hose − Vent, Fuel Tank | 1 |
| 17 | 2412−6 | Clamp | 2 |
| 18 | 55−3572 | Fuel Cap | 1 |
| 19 | 22−7810 | Spacer | 1 |
| 20 | 321−6 | Screw − HH | 1 |
| 21 | 21−3610 | Foam − Tank Support | 1 |
| 22 | 3296−20 | Nut − Lock | 2 |
| 23 | 2412−4 | Clamp | 1 |
| 24 | 56−7980 | Sleeve − Protective | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 25 | 2412−126 | R−Clamp | 1 |
| 26 | 322−4 | Screw − HH | 1 |
| 27 | 63−9640 | Hose Fuel | 1 |
| 28 | 43−4190 | Asm. − Fitting | 1 |
| 29 | 3230−2 | Bolt − Carriage | 3 |
| 30 | 42−6080 | Shim − Axle | A/R |
| 31 | 231−138 | Tire − 6 Ply | 2 |
| * | 231−95 | Tire − 23x10.5x12 (Optional) | 2 |
| 32 | 23−7270 | Nut − Wheel | 10 |
| 33 | 217−117 | Rim | 2 |
| * | 217−116 | Rim − 23x10.5x12 (Optional) | 2 |
| 34 | 232−31 | Valve Stem w/Cap | 2 |
| * | 232−27 | Valve Stem (For 23x10.5x12 Rim Opt.) | 1 |
| 35 | 86−9600 | Asm. − Differential | 1 |
| 36 | 32144−67 | Screw − Tap | 4 |
| 37 | 32128−20 | Nut − Flange | 3 |
| 39 | 2811−9 | Street Elbow | 1 |
| 40 | 289−37 | Pipe Nipple | 1 |
| 41 | 23−5180 | Dipstick | 1 |
| 42 | 93−7823 | Decal − Oil | 1 |
| 43 | 68−9710 | Hose − Steering Cylinder | 2 |
| * | 231−90 | Tube − Inner | 2 |

*Not Illustrated

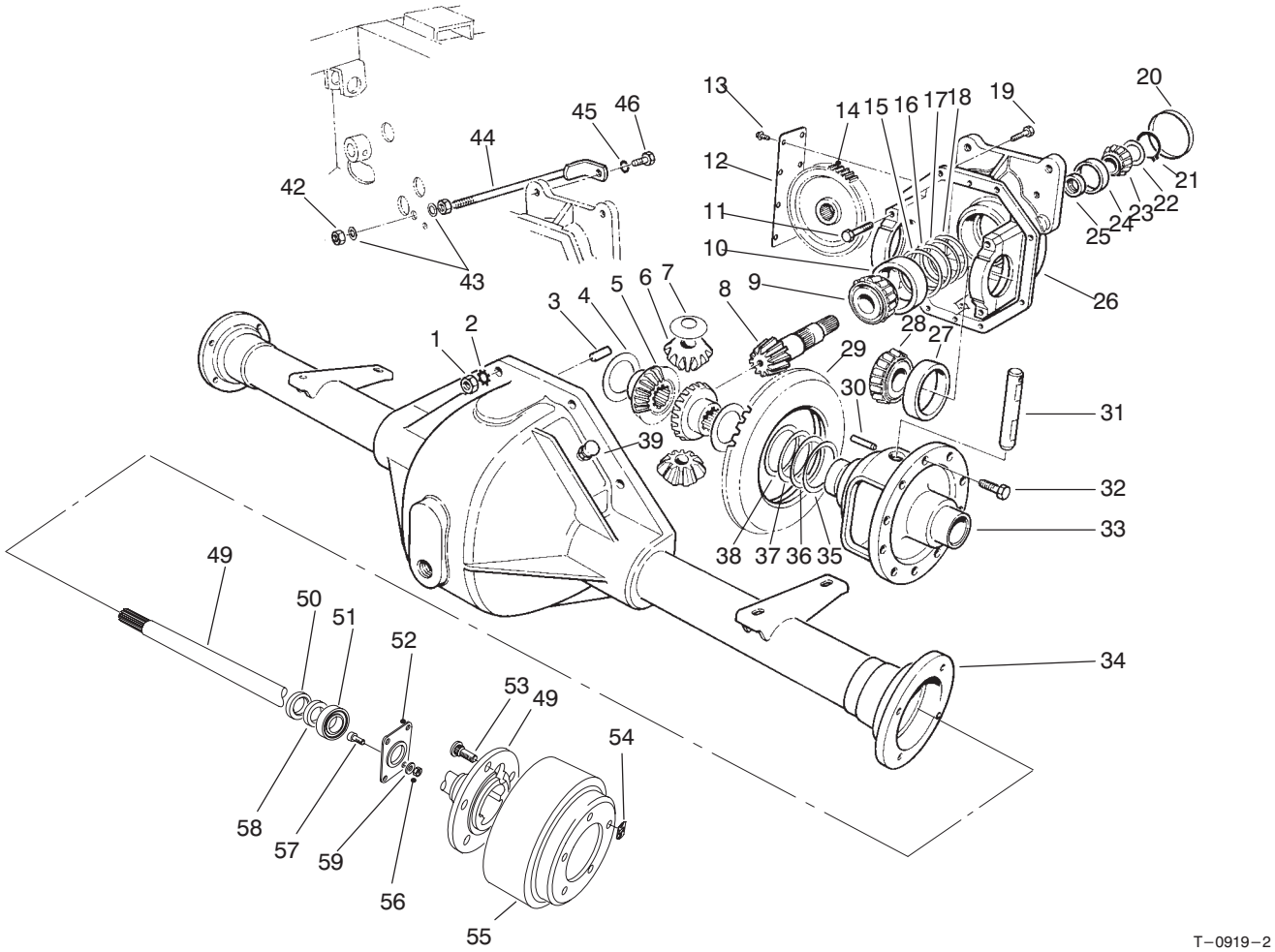



T−0919−2

# DIFFERENTIAL ASSEMBLY NO. 86−9600

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3219−2 | Nut | 8 |
| 2 | 3255−8 | Washer − Lock | 8 |
| 3 | 21−8270 | Pin − Dowel | 2 |
| 4 | 21−7720 | Washer − Thrust | 2 |
| 5 | 24−8790 | Differential Bevel Gear Side | 2 |
| 6 | 21−7690 | Pinion Gear | 2 |
| 7 | 21−7730 | Washer − Thrust | 2 |
| 8 | | Drive Pinion (Incl. Ref. #29) | 1 |
| 9 | 43−6760 | Roller Bearing Cone | 1 |
| 10 | 43−6750 | Roller Bearing Cup | 1 |
| 11 | 92−1773 | Screw − HH | 4 |
| 12 | 21−7830 | Gear Cover | 1 |
| 13 | 32144−112 | Thread Forming Screw | 8 |
| 14 | 86−7230 | Spur−Gear | 1 |
| 15 | 43−6710 | Adjustment Shim .003 | A/R |
| 16 | 43−6711 | Adjustment Shim .005 | A/R |
| 17 | 43−6712 | Adjustment Shim .010 | A/R |
| 18 | 43−6713 | Adjustment Shim .030 | A/R |
| 19 | 3210−7 | Screw − HH | 8 |
| 20 | 21−7850 | Cup − Plug | 1 |
| 21 | 43−6550 | Ring − Retaining | 1 |
| 22 | 46−2210 | Shim − Front Pinion Bearing (.031) | A/R |
| * | 46−2211 | Shim − Front Pinion Bearing (.033) | A/R |
| *22 | 46−2212 | Shim − Front Pinion Bearing (.035) | A/R |
| * | 46−2213 | Shim − Front Pinion Bearing (.037) | A/R |
| * | 46−2214 | Shim − Front Pinion Bearing (.039) | A/R |
| * | 46−2215 | Shim − Front Pinion Bearing (.041) | A/R |
| * | 46−2216 | Shim − Front Pinion Bearing (.043) | A/R |
| * | 46−2220 | Shim − Front Pinion Bearing (.045) | A/R |
| * | 46−2221 | Shim − Front Pinion Bearing (.047) | A/R |
| * | 46−2222 | Shim − Front Pinion Bearing (.049) | A/R |
| * | 46−2223 | Shim − Front Pinion Bearing (.051) | A/R |
| * | 46−2224 | Shim − Front Pinion Bearing (.053) | A/R |
| * | 46−2225 | Shim − Front Pinion Bearing (.055) | A/R |
| * | 46−2226 | Shim − Front Pinion Bearing (.057) | A/R |
| * | 46−2410 | Shim − Front Pinion Bearing (.062) | A/R |

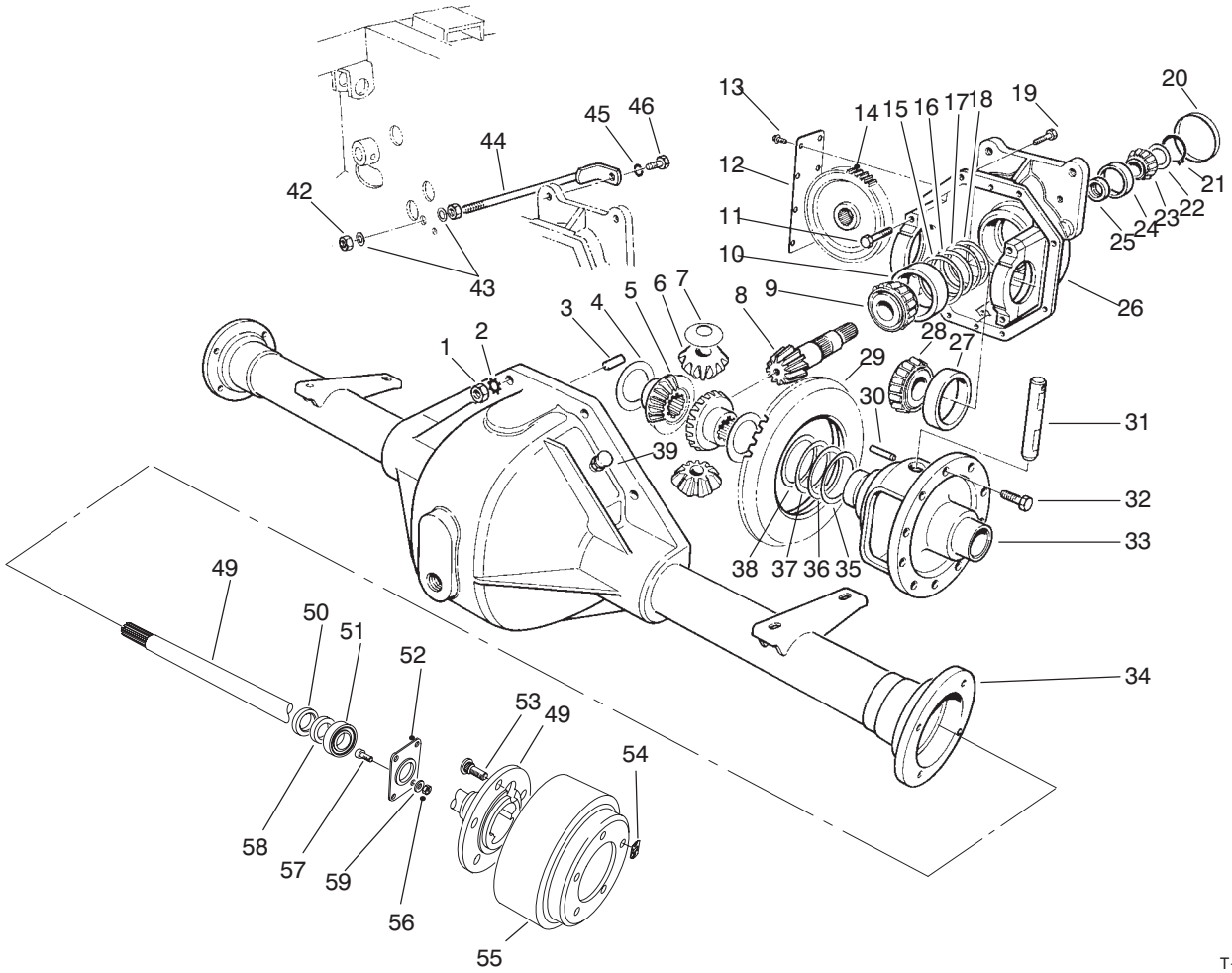
*Not Illustrated




# DIFFERENTIAL ASSEMBLY NO. 86−9600 (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 22 | 46−2411 | Shim − Front Pinion Bearing (.064) | A/R |
| * | 46−2412 | Shim − Front Pinion Bearing (.066) | A/R |
| * | 46−2413 | Shim − Front Pinion Bearing (.068) | A/R |
| * | 46−2414 | Shim − Front Pinion Bearing (.070) | A/R |
| * | 46−2415 | Shim − Front Pinion Bearing (.072) | A/R |
| * | 46−2416 | Shim − Front Pinion Bearing (.074) | A/R |
| * | 46−2420 | Shim − Front Pinion Bearing (.076) | A/R |
| * | 46−2421 | Shim − Front Pinion Bearing (.078) | A/R |
| * | 46−2422 | Shim − Front Pinion Bearing (.080) | A/R |
| * | 46−2423 | Shim − Front Pinion Bearing (.082) | A/R |
| * | 46−2424 | Shim − Front Pinion Bearing (.084) | A/R |
| * | 46−2425 | Shim − Front Pinion Bearing (.086) | A/R |
| * | 46−2426 | Shim − Front PInion Bearing (.088) | A/R |
| 23 | 254−91 | Bearing Cone | 1 |
| 24 | 254−90 | Bearing Cup | 1 |
| 25 | 21−8020 | Spacer − Pinion Bearing | 1 |
| 26 | 86−9580 | Upper Housing (Incl. Ref. #11) | 1 |
| 27 | 254−66 | Cup − Tapered Bearing | 2 |
| 28 | 254−65 | Cone − Tapered Bearing | 2 |
| 29 | | Ring Gear | 1 |
| 30 | 32121−15 | Pin − Roll | 1 |
| 31 | 21−7700 | Pinion Mate Shaft | 1 |
| 32 | 21−7770 | Drive Gear Screw | 5 |
| 33 | 21−7670 | Differential Case | 1 |
| 34 | 43−6840 | Lower Housing | 1 |
| 35 | 21−8120 | Adjustment Shim .030 | A/R |
| 36 | 21−8110 | Adjustment Shim .010 | A/R |
| 37 | 21−8100 | Adjustment Shim .005 | A/R |
| 38 | 21−8090 | Adjustment Shim .003 | A/R |
| 39 | 72−9420 | Asm. − Vent Tube | 1 |
| 42 | 3217−9 | Nut | 2 |
| 43 | 3256−6 | Washer − Flat | 2 |
| 44 | 24−9830 | Support − Axle | 1 |
| 45 | 3253−21 | Washer − Lock | 1 |
| 46 | 323−6 | Screw − Cap Hex. Hd. | 1 |
| *47 | 92−4903 | Asm. − Upper Hsg. 2WD (Incl. Ref. #4−33 & 35−38) | 1 |
| *48 | 92−4848 | Asm. − Gear & Pinion (Incl. Ref. #8 & 29) | 1 |

*Not Illustrated



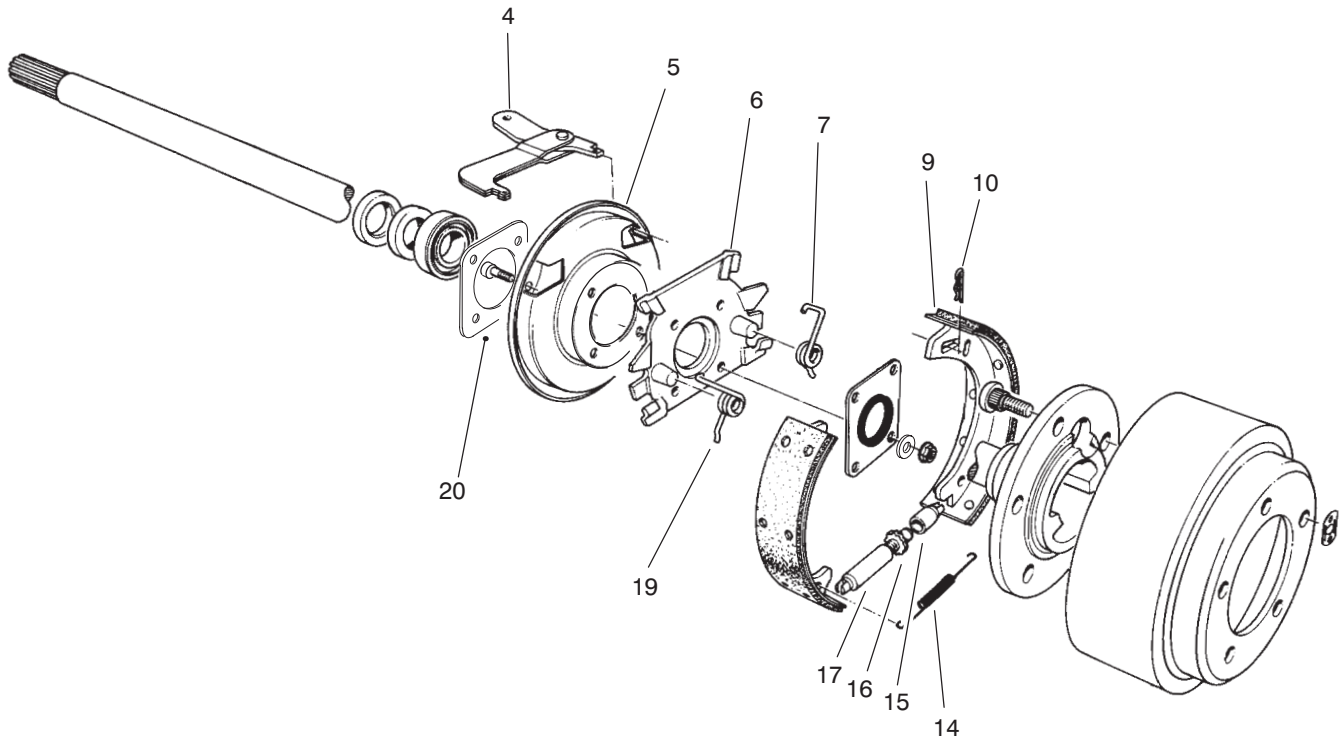

T−0919−2

# DIFFERENTIAL ASSEMBLY NO. 86−9600 (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 49 | 28−0650 | Shaft − Flanged Axle | 2 |
| 50 | 92−1774 | Oil Seal | 2 |
| 51 | 21−8180 | Bearing | 2 |
| 52 | 28−0670 | Seal − Oil | 2 |
| 53 | 242−34 | Stud − Axle Flange | 10 |
| 54 | 21−8360 | Clip − Retaining | 2 |
| 55 | 28−0680 | Drum − Brake | 2 |
| 56 | 94−6935 | Nut − Lock | 8 |
| 57 | 94−6934 | Screw − Socket Head | 8 |
| 58 | 24−8840 | Ring − Wheel Bearing | 2 |
| 59 | 94−6936 | Washer | 8 |
| *60 | 92−8775 | Kit − Gasket, Liquid | 2 |

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

*Not Illustrated



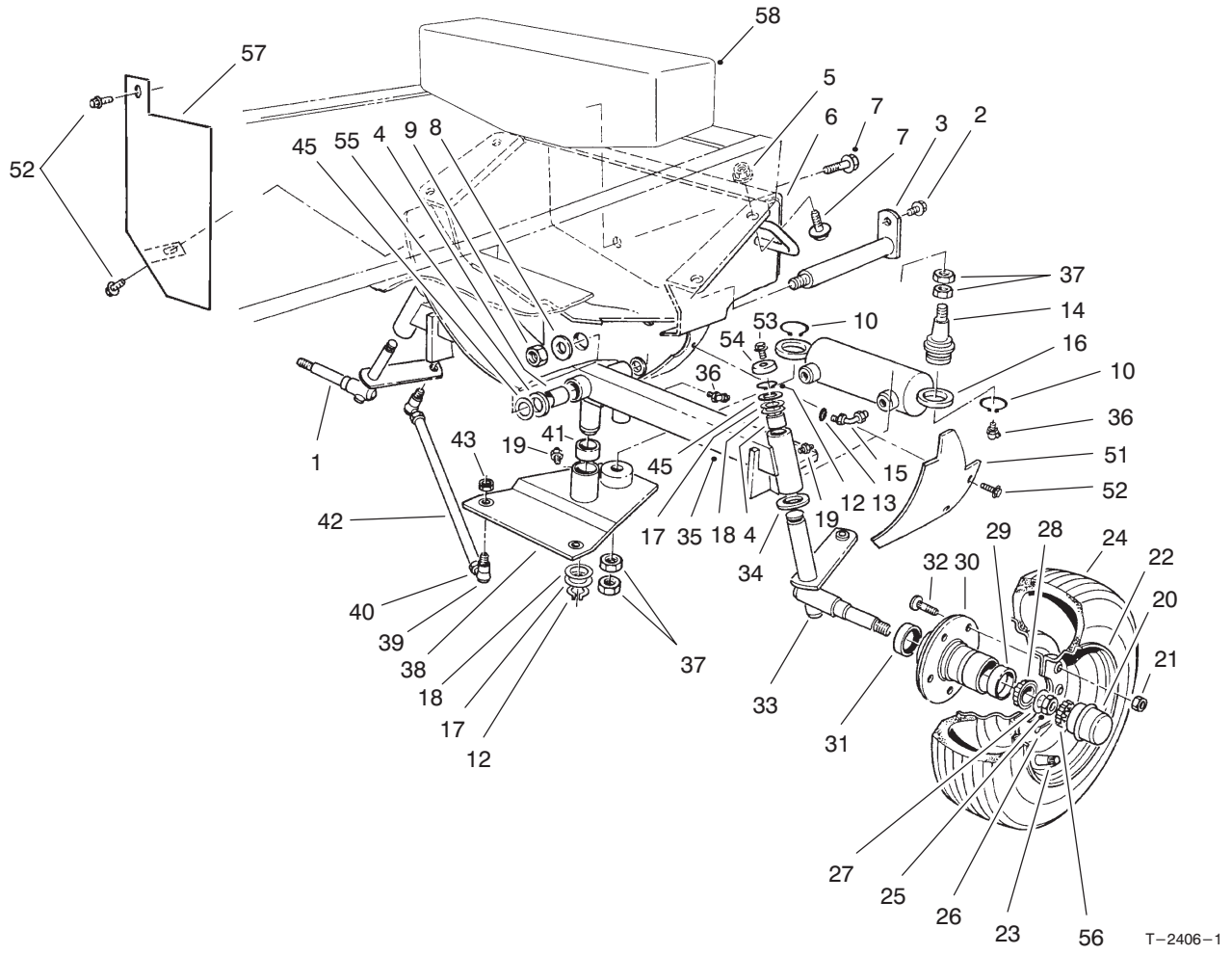

T–0421–3

# BRAKE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 4 | 24–9180 | Strut & Lever Parking Brake | 2 |
| 5 | 21–9450 | Dust Shield | 2 |
| 6 | 43–6810 | Torque – Spider | 2 |
| 7 | 21–9430 | Spring – Shoe Return R.H. | 2 |
| 9 | 84–8600 | Asm. – Shoe & Lining (Set of 4) | 1 |
| 10 | 21–9460 | Retainer – Brake Lever | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 14 | 21–9440 | Spring – Adjusting Screw | 2 |
| 15 | 21–9390 | Socket – Adjusting Screw | 2 |
| 16 | 21–9370 | Screw – Adjusting | 2 |
| 17 | 21–9380 | Nut – Pivot | 2 |
| 19 | 21–9420 | Spring – Shoe Return L.H. | 2 |
| 20 | 93–7416 | Insert – Shield, Dust | 2 |

*Not Illustrated

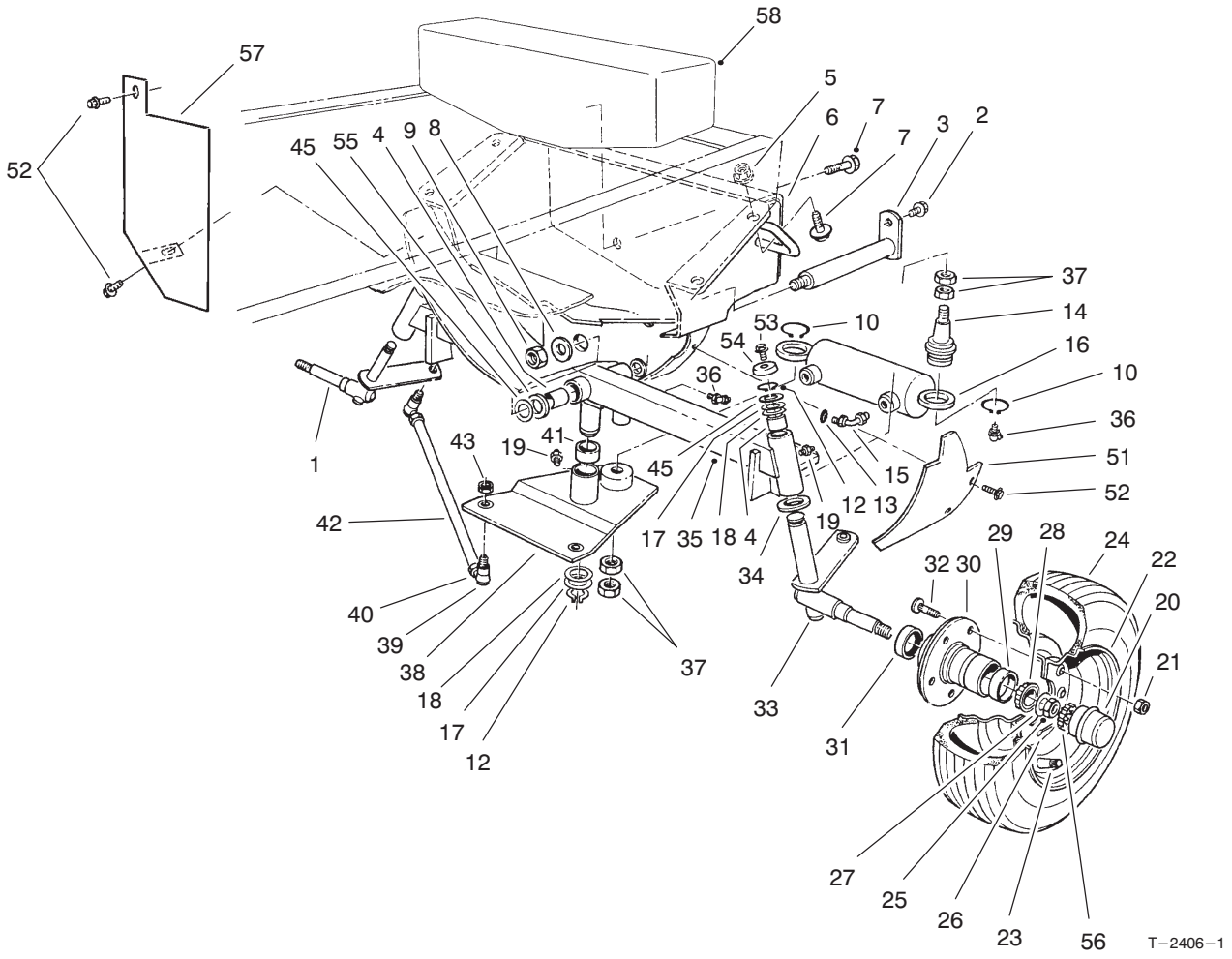



# REAR AXLE AND WHEEL ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93−3199 | Asm. − Spindle R.H. | 1 |
| 2 | 32144−14 | Screw − Tap | 1 |
| 3 | 92−7807 | Pin − Rear Axle | 1 |
| 4 | 67−1750 | Bushing | 6 |
| 5 | 32128−23 | Nut − Flange | 4 |
| 6 | 92−7803 | Support − Axle | 1 |
| 7 | 3234−32 | Screw − HHF | 6 |
| 8 | 71−4540 | Washer − Thrust | A/R |
| 9 | 32146−20 | Nut − Lock | 1 |
| 10 | 32151−104 | Ring − Retaining | 2 |
| 11 | 302−40 | Fitting − Grease | 2 |
| 12 | 32151−36 | Ring − Retaining | 3 |
| 13 | 237−22 | O−Ring | 1 |
| 14 | 92−5938 | Ball Joint | 2 |
| 15 | 340−54 | Fitting 45° | 2 |
| 16 | 92−7828 | Cylinder − Hydraulic | 1 |
| 17 | 5−1226 | Washer | 3 |
| 18 | 10−8110 | Washer − Thrust | A/R |
| 19 | 302−5 | Fitting − Grease | 3 |
| 20 | 241−119 | Dust Cap | 2 |
| 21 | 242−50 | Nut − Wheel | 10 |
| 22 | 217−106 | Wheel | 2 |
| 23 | 232−31 | Valve Stem w/Cap | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 24 | 231−105 | Tire | 2 |
| 25 | 3220−7 | Nut − Jam | 2 |
| 26 | 3272−13 | Pin − Cotter | 2 |
| 27 | 93−0309 | Washer − Tab | 2 |
| 28 | 254−94 | Cone − Bearing | 4 |
| 29 | 254−72 | Cup − Bearing | 4 |
| 30 | 21−2820 | Hub Wheel (Incl. Ref. #29 & 32) | 2 |
| 31 | 253−129 | Closure | 2 |
| 32 | 10−6830 | Stud − Drive | 10 |
| 33 | 93−3198 | Asm. − Spindle L.H. | 1 |
| 34 | 256−121 | Bushing − Thrust | 2 |
| 35 | 100−6566 | Axle − Rear (Incl. Ref. #4) | 1 |
| 36 | 302−11 | Fitting − Grease | 1 |
| 37 | 3220−6 | Nut − Jam | 4 |
| 38 | 92−7821 | Steering Pivot (Incl. Ref. #41) | 1 |
| 39 | 21−0141 | Asm. − Socket R.H. Thd. | 2 |
| * | 21−0151 | Asm. − Socket L.H. Thd. | 2 |
| 40 | 3220−5 | Nut − Jam R.H. Thd. | 2 |
| * | 3220−12 | Nut − Jam L.H. Thd. | 2 |

*Not Illustrated

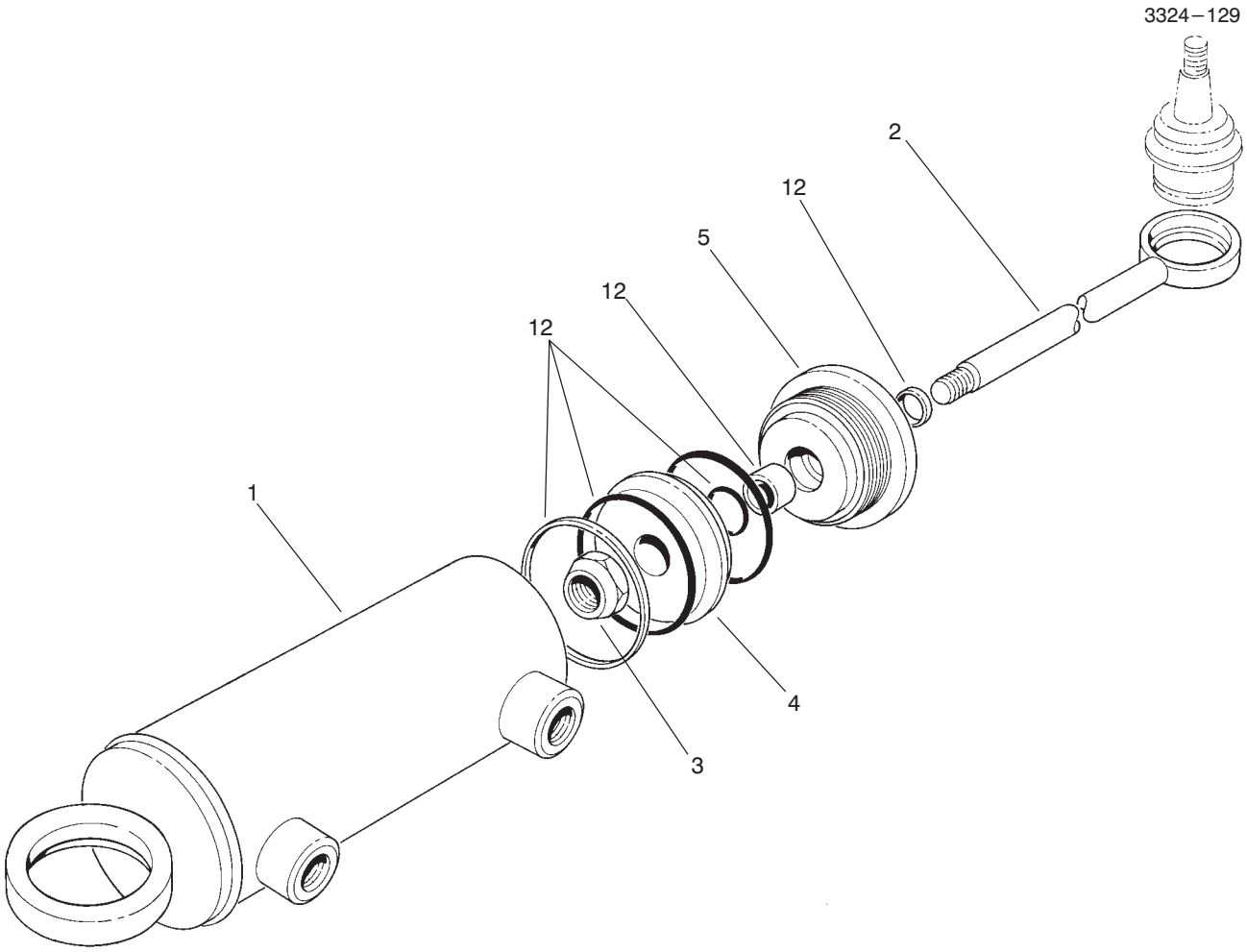



# REAR AXLE AND WHEEL ASSEMBLY (CONTINUED)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 41 | 256−242 | Bushing | 2 |
| 42 | 21−1990 | Asm. − Tie Rod | 2 |
| 43 | 3220−3 | Nut − Jam | 8 |
| 45 | 56−2460 | Washer | A/R |
| 51 | 93−7042 | Cover − Flywheel Guard | 1 |
| 52 | 32144−10 | Screw − Tap | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 53 | 3234−13 | Screw − HHF | 2 |
| 54 | 66−2990 | Cap − Spindle | 2 |
| 55 | 92−7845 | Spacer − Hardened | 1 |
| 56 | 93−0307 | Retainer − Nut, Lock | 2 |
| 57 | 93−8738 | Guard − Flywheel | 1 |
| 58 | 98−3869-01 | Weight−Rear | 1 |

*Not Illustrated



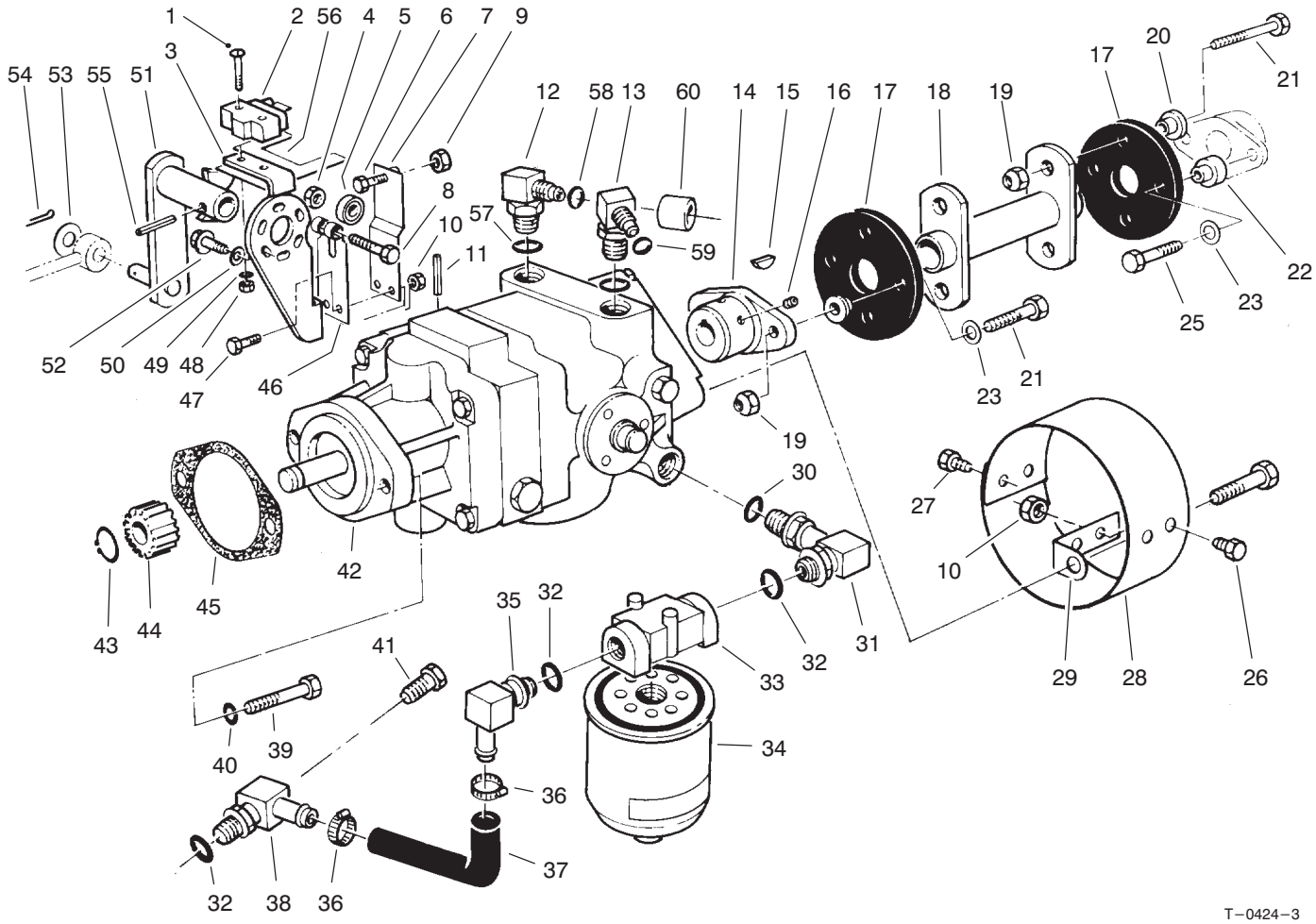

T–1761–2

# HYDRAULIC CYLINDER NO. 92–7828

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | | Asm. – Tube | 1 |
| 3 | 66–1930 | Nut–Lock | 1 |
| 4 | | Piston Rod ASM | 1 |
| 4 | 66–1940 | Piston | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 5 | 92–6588 | Gland | 1 |
| 12 | 92–6593 | Seal Kit | 1 |

3324−129

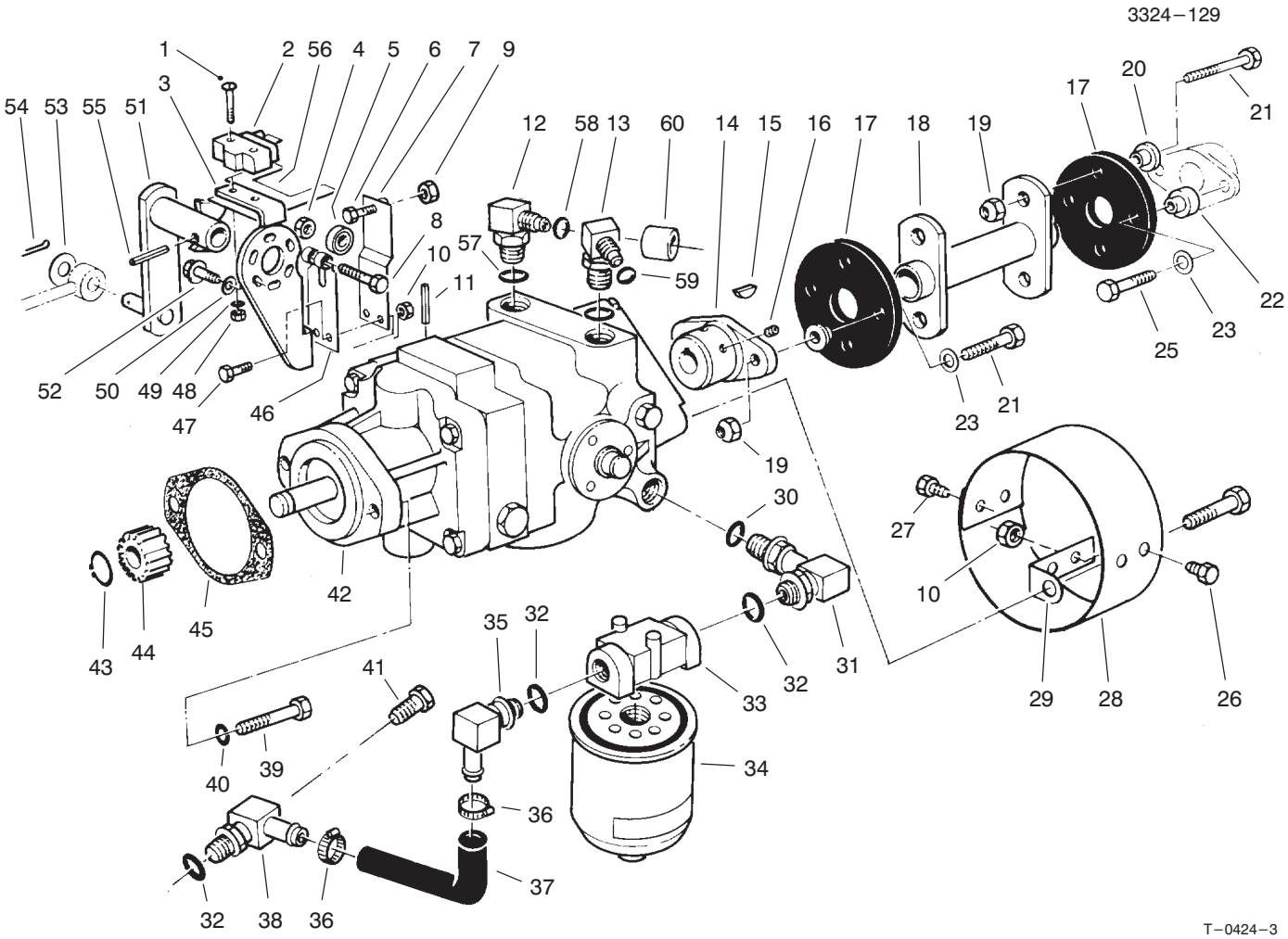



T−0424−3

# TRANSMISSION INSTALLATION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3249−11 | Screw − Mach. Rd. Hd. | 2 |
| 2 | 29−6163 | Micro Switch | 1 |
| 3 | 29−6120 | Pump Plate | 1 |
| 4 | 3296−29 | Nut − Lock | 1 |
| 5 | 251−259 | Bearing − Ball | 1 |
| 6 | 3210−7 | Screw − HH | 1 |
| 7 | 29−6170 | Extended Leaf Spring | 1 |
| 8 | 322−17 | Screw − HH | 1 |
| 9 | 3219−2 | Nut − Hex | 1 |
| 10 | 3296−42 | Nut − Lock | 6 |
| 11 | 32121−6 | Pin − Roll | 1 |
| 12 | 340−77 | Elbow | 1 |
| 13 | 340−99 | Elbow | 1 |
| 14 | 33−4380 | Pump Hub | 1 |
| 15 | 3257−32 | Key − Woodruff | 1 |
| 16 | 3241−5 | Screw − Set | 2 |
| 17 | 44−2230 | Coupling − Rubber | 2 |
| 18 | 46−6390 | Coupling − Drive | 1 |
| 19 | 32152−1 | Nut − Lock | 8 |
| 20 | 27−6600 | Spacer − Rubber Coupling | 6 |
| 21 | 322−6 | Screw − HH | 6 |
| 22 | 27−6590 | Spacer − Rubber Coupling | 2 |
| 23 | 3256−3 | Washer − Flat | 4 |
| 25 | 322−8 | Screw − HH | 2 |
| 26 | 321−2 | Screw − HH | 2 |
| 27 | 321−4 | Screw − HH | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 28 | 54−9300 | Cover | 1 |
| 29 | 54−9290 | Bracket | 2 |
| 30 | 237−80 | O−Ring | 1 |
| 31 | 68−8660 | Elbow | 1 |
| 32 | 237−81 | O−Ring | 3 |
| 33 | 68−8990 | Head − Filter | 1 |
| 34 | 23−9740 | Oil Filter | 1 |
| 35 | 353−987 | Elbow | 1 |
| 36 | 2412−34 | Clamp − Hose | 2 |
| 37 | 68−9650 | Hose − Axle | 1 |
| 38 | 70−2620 | Elbow − 90° | 1 |
| 39 | 323−7 | Screw − HH | 2 |
| 40 | 3253−21 | Washer − Lock | 2 |
| 41 | 353−508 | Plug − Drain | 1 |
| 42 | 92−8947 | Transmission − Inline | 1 |
| 43 | 32120−72 | Ring − Retaining External | 1 |
| 44 | 86−7220 | Gear − Transmission Output | 1 |
| 45 | 41−8760 | Gasket − Transmission | 1 |
| 46 | 29−6150 | Leaf Spring | 1 |
| 47 | 321−6 | Screw − HH | 2 |
| 48 | 3217−16 | Nut − Hex. | 2 |
| 49 | 3254−9 | Washer − Lock | 2 |
| 50 | 3255−7 | Washer − Lock | 3 |
| 51 | 28−9570 | Pump Lever | 1 |
| 52 | 11−9760 | Screw − Tap | 3 |
| 53 | 3256−6 | Washer − Flat | 1 |

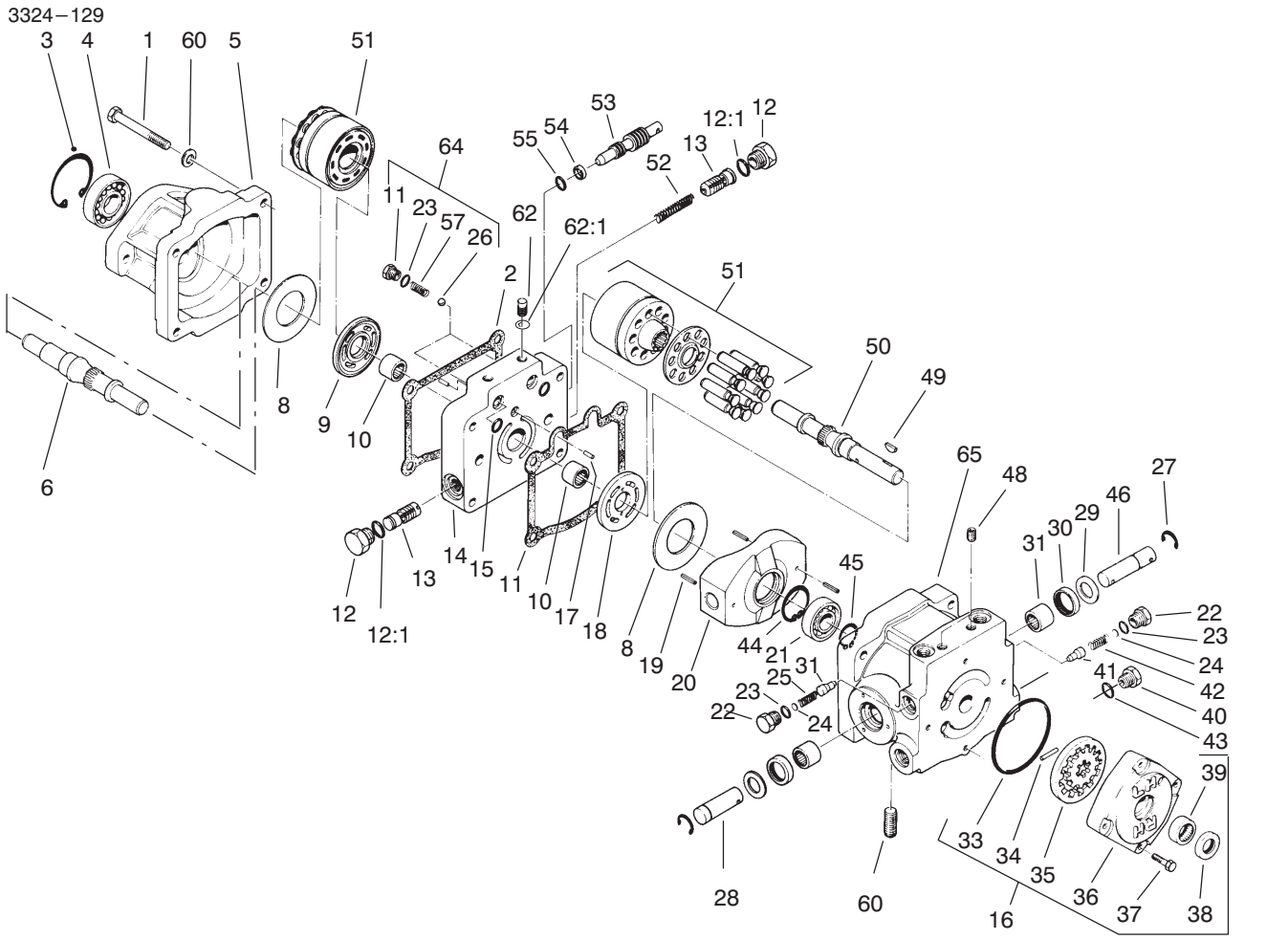



# TRANSMISSION INSTALLATION ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 54 | 3272−10 | Pin − Cotter | 1 |
| 55 | 32121−24 | Pin − Roll | 1 |
| 56 | 46−8810 | Stop − Leaf Spring | 1 |
| 57 | 237−42 | O−Ring | 2 |
| 58 | 237−22 | O−Ring | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 59 | 237−30 | O−Ring | 1 |
| 60 | 38−3400 | Guard − Rubber | 1 |
| * | 95−3092 | 400 Hour Filter Kit (Incl. Ref. #34) | 1 |

*Not Illustrated

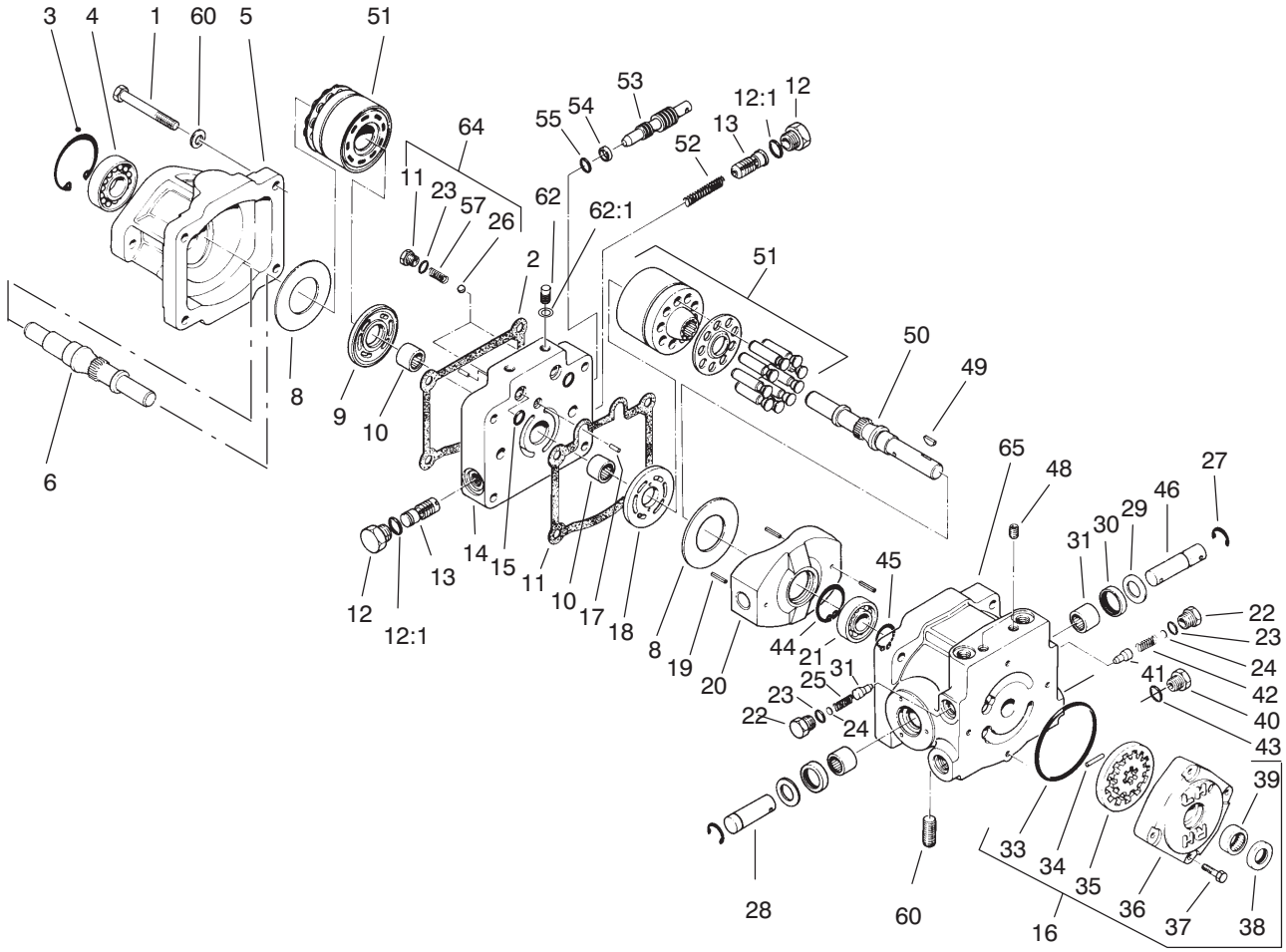



T−0425−2

# TRANSMISSION ASSEMBLY NO. 92−8947

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 323−56 | Screw − HH | 4 |
| 2 | 67−9100 | Gasket | 1 |
| 3 | 32120−8 | Ring − Retaining | 1 |
| 4 | 72−3750 | Bearing − Ball | 1 |
| 5 | 67−9080 | Housing − Motor | 1 |
| 6 | 46−8410 | Shaft − Motor | 1 |
| 8 | 25−2380 | Plate − Thrust | 2 |
| 9 | 25−2390 | Plate − Motor Valve | 1 |
| 10 | 46−8400 | Bearing − Needle | 2 |
| 11 | 25−2400 | Gasket | 1 |
| 12 | 353−550 | Plug − HH | 2 |
| 12:1 | 237−79 | O−Ring | 2 |
| 13 | 25−2410 | Asm. − Accel. Valve | 2 |
| 14 | 92−8918 | Center Section | 1 |
| 15 | 93−4132 | O−Ring | 2 |
| 16 | 25−3190 | Charge Pump (Incl. Ref. #33−39) | 1 |
| 17 | 25−2430 | Pin − Dowel | 2 |
| 18 | 25−2440 | Plate − Pump Valve | 1 |
| 19 | 32121−91 | Pin − Coil ,Spring | 3 |
| 20 | 25−2450 | Variable Swashplate | 1 |
| 21 | 251−8 | Bearing − Ball | 1 |
| 22 | 25−2460 | Plug − HH | 2 |
| 23 | 237−86 | O−Ring | 4 |
| 24 | 25−2470 | Shim Pack | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 25 | 25−2480 | Valve Spring | 1 |
| 26 | 25−2490 | Ball | 2 |
| 27 | 32151−46 | Ring − Retaining | 2 |
| 28 | 25−2500 | Shaft − Trunnion | 1 |
| 29 | 25−2510 | Washer − Flat | 2 |
| 30 | 25−3210 | Seal − Lip | 2 |
| 31 | 252−82 | Bearing − Needle | 2 |
| 33 | 237−95 | O−Ring | 1 |
| 34 | 25−2530 | Headless Straight Pin | 1 |
| 35 | 25−2540 | Asm. − Gerotor | 1 |
| 36 | 25−2550 | Housing − Charge Pump | 1 |
| 37 | 322−4 | Screw − HH | 4 |
| 38 | 93−4133 | Seal − Lip | 1 |
| 39 | 67−8050 | Bearing − Needle | 1 |
| 40 | 353−551 | Plug − HH | 1 |
| 41 | 83−7260 | Cone − Relief Valve | 2 |
| 42 | 25−2570 | Valve Spring | 1 |
| 43 | 237−80 | O−Ring | 1 |
| 44 | 32120−11 | Ring − Retaining | 1 |
| 45 | 32120−15 | Ring − Retaining | 1 |
| 46 | 25−2580 | Shaft − Trunnion | 1 |
| 48 | 285−17 | Plug − Pipe | 2 |
| 49 | 3257−32 | Key − Woodruff | 1 |
| 50 | 67−8020 | Pump Shaft | 1 |
| 51 | 48−1800 | Kit − Cylinder Block | 2 |

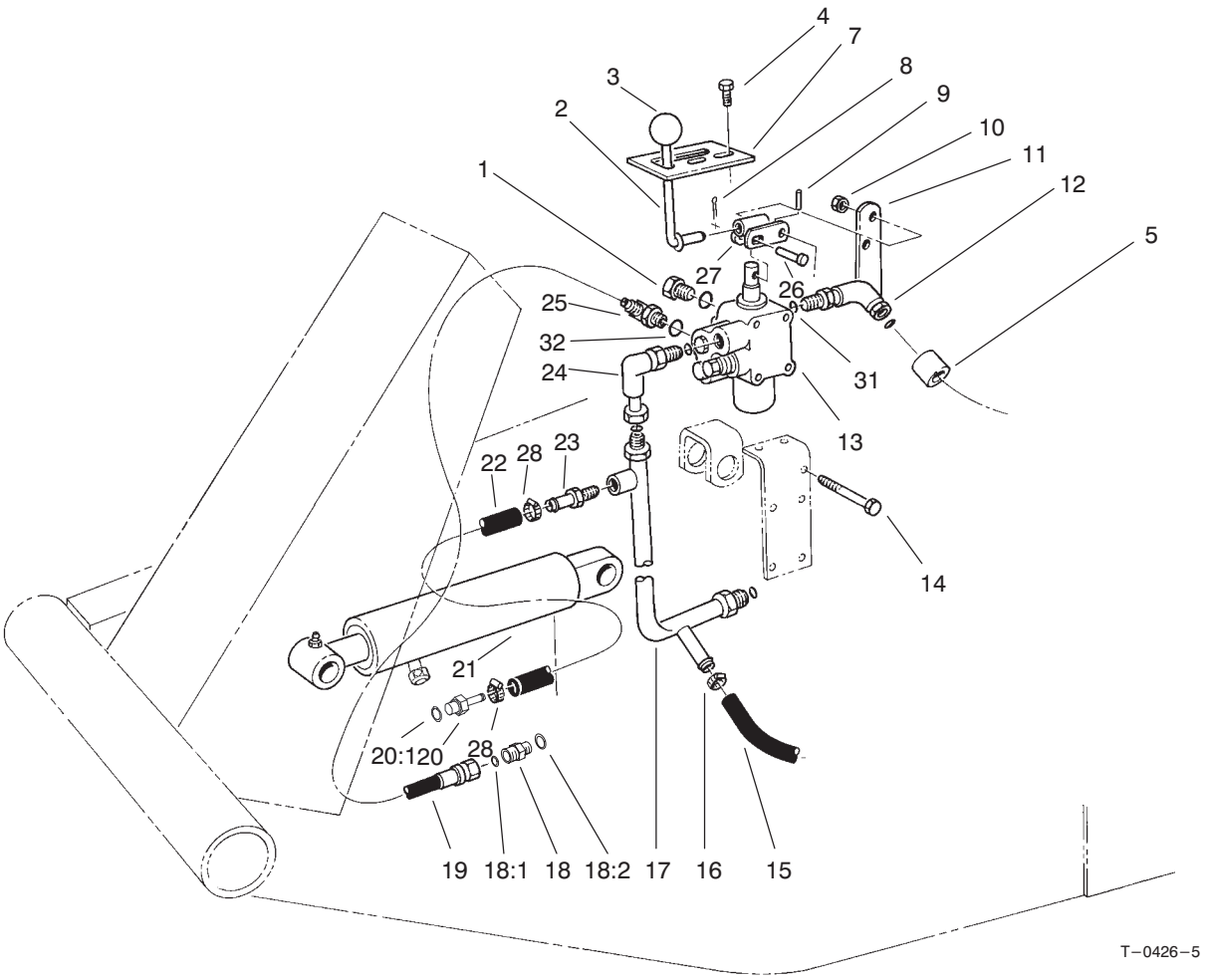



T−0425−2

# TRANSMISSION ASSEMBLY NO. 92−8947 (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 52 | 25−2610 | Accel. Valve Spring | 1 |
| 53 | 88−8220 | By−Pass Valve | 1 |
| 54 | 25−2630 | Back−Up Ring | 1 |
| 55 | 237−22 | O−Ring | 1 |
| 57 | 25−2640 | Valve Spring | 2 |
| 59 | 25−2650 | Plug − Check Valve | 2 |
| 60 | 67−9090 | Plug | 1 |
| 62 | 92−8776 | Plug | 1 |
| 62:1 | 92−8777 | O−Ring | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 63 | 83−0312 | Washer | 4 |
| 64 | 99−5689 | Kit − Check Valve (Incl. Ref. #59, 23, 57&26) | 2 |
| 65 | 54−7890 | Housing − Pump (Incl. Ref. #48 & 29−31) | 1 |

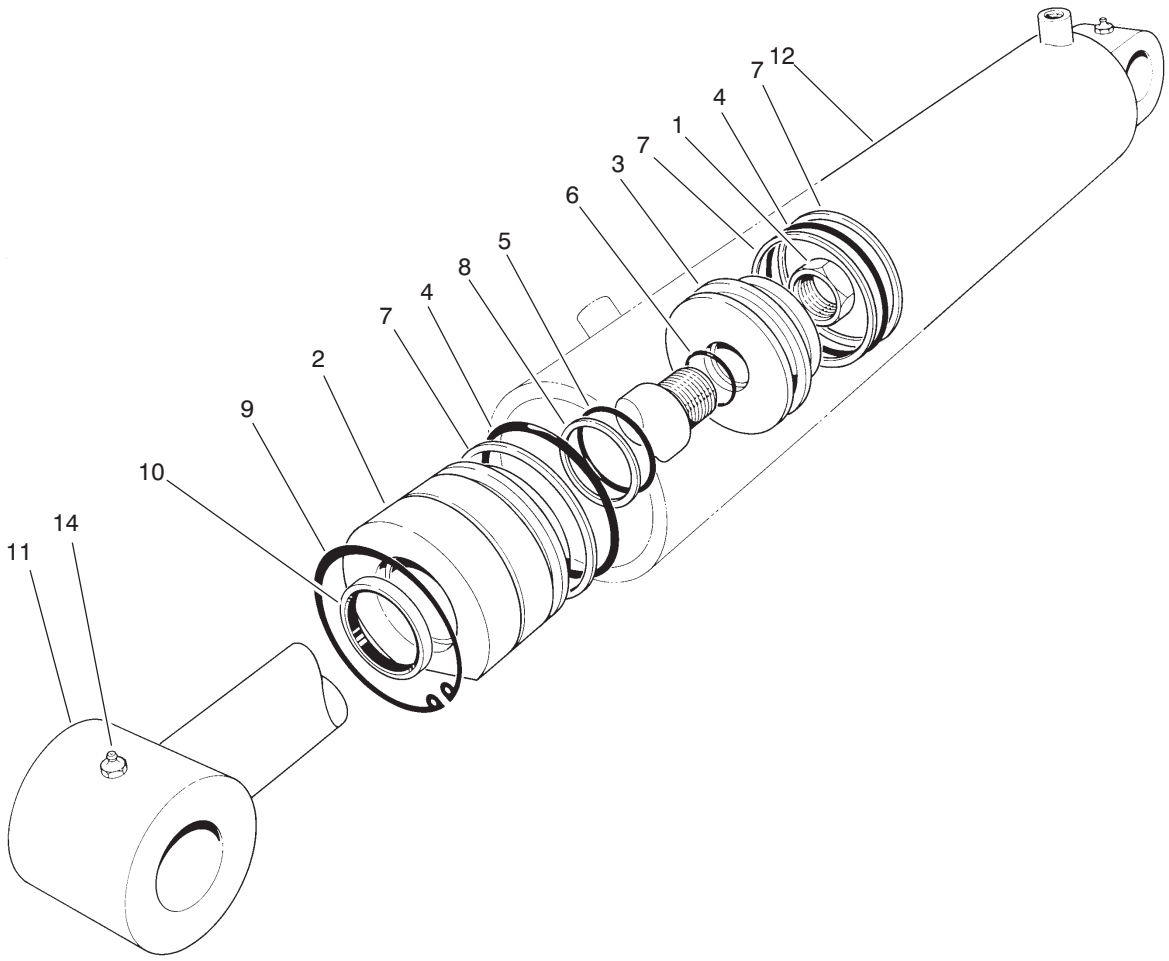



# VALVE & CYLINDER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 353−512 | Plug | 1 |
| 2 | 21−8620 | Lever − Valve | 1 |
| 3 | 233−21 | Knob | 1 |
| 4 | 32144−10 | Screw − Tap | 2 |
| 5 | 38−3400 | Guard − Rubber | 1 |
| 7 | 21−8640 | Lever − Latch Valve | 1 |
| 8 | 3272−6 | Pin − Cotter | 1 |
| 9 | 32121−73 | Pin − Slotted Spring | 1 |
| 10 | 3296−42 | Nut − Lock | 5 |
| 11 | 21−9010 | Pivot Mount − Valve Lever | 1 |
| 12 | 340−99 | Fitting − 90° Elbow | 1 |
| 13 | 43−1710 | Asm. − Valve | 1 |
| 14 | 321−23 | Screw − HH | 5 |
| 15 | 63−8990 | Hose | 1 |
| 16 | 2412−36 | Clamp − Hose | 1 |
| 17 | 63−9260 | Manifold − Valve | 1 |
| 18 | 340−2 | Elbow − 90° | 1 |
| 19 | 92−7833 | Hose − Hydraulic (Valve to Cylinder) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 20 | 95−8849 | Fitting − 90° Barb | 1 |
| 21 | 100−6586 | Cylinder − Hydraulic | 1 |
| * | 100−6591 | Cylinder − Hydraulic (Optional) | 1 |
| 22 | 92−7834 | Hose | 1 |
| 23 | 304−73 | Fitting − Straight Barb | 1 |
| 24 | 340−110 | Elbow − 90° | 1 |
| 25 | 340−97 | Fitting − 90° | 1 |
| 26 | 283−17 | Pin | 1 |
| 27 | 21−8590 | Link − Valve Lever | 1 |
| 28 | 2412−108 | Clamp − Hose | 2 |
| 29 | 237−22 | O−Ring | 2 |
| 30 | 237−30 | O−Ring | 2 |
| 31 | 237−42 | O−Ring | 2 |
| 32 | 237−78 | O−Ring | 2 |
| 33 | 38−3400 | Guard − Rubber | 1 |

*Not Illustrated



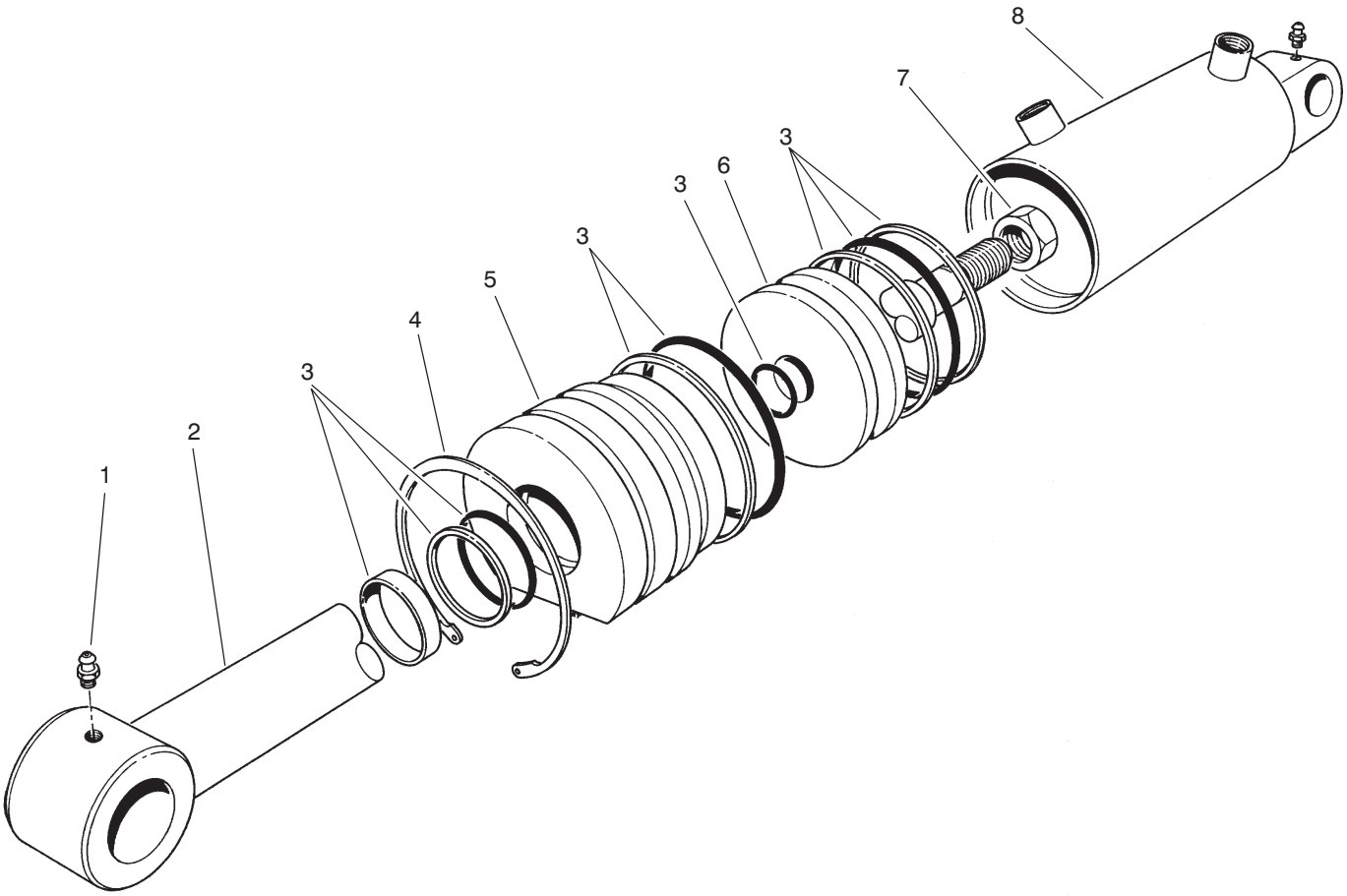

T−0859−1

# HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 100−6586 (2−1/2" Bore)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 60−9760 | Nut | 1 |
| 2 | 60−9780 | Head | 1 |
| 3 | 60−9770 | Piston | 1 |
| 4 | | O−Ring | 2 |
| 5 | | O−Ring | 1 |
| 6 | | O−Ring | 1 |
| 7 | | Ring − Back−up | 3 |
| 8 | | Ring − Backup | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 61−4990 | Ring − Retaining | 1 |
| 10 | | Seal − Dust | 1 |
| 11 | 61−4980 | Shaft − w/Clevis | 1 |
| †12 | | Barrel | 1 |
| *13 | 61−4960 | Kit − Seal Repair (Incl. Ref. #10, 4−8) | 1 |
| 14 | 302−55 | Fitting − Grease | 2 |

†Not available separately..



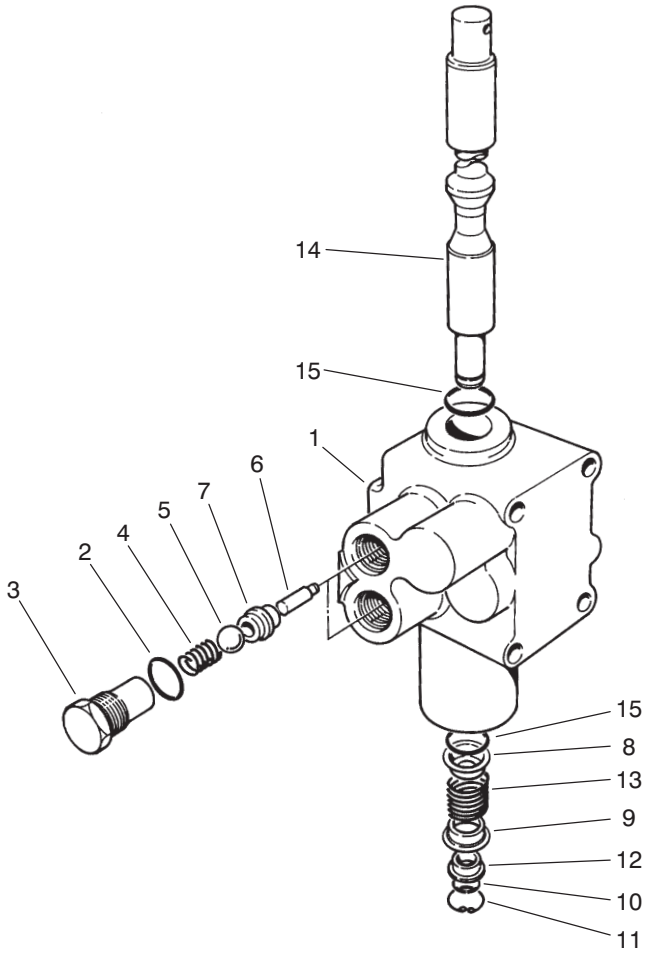

T–0527–2

# HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 100–6591 (3” Bore)

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

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

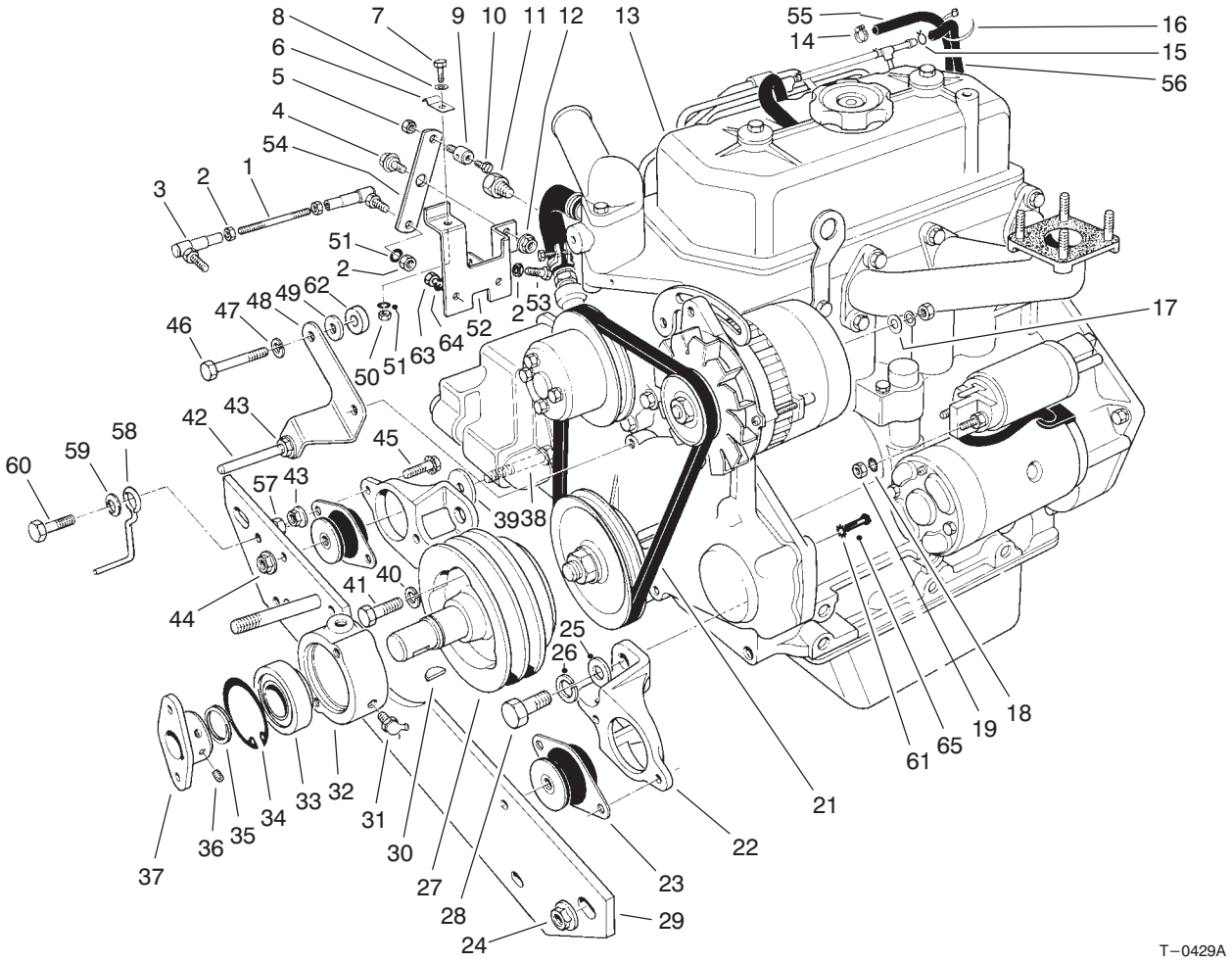
*Not available separately.




T−0428−1

# CONTROL VALVE ASSEMBLY NO. 43−1710

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 43−1730 | Body | 1 |
| 2 | 237−42 | O−Ring | 2 |
| 3 | 22−8330 | Plug | 2 |
| 4 | 22−8340 | Spring | 2 |
| 5 | 22−8350 | Ball | 2 |
| 6 | 22−8360 | Pin − Cam | 2 |
| 7 | 22−8370 | Seat − Check Valve | 2 |
| 8 | 22−8380 | Retainer − Spring | 1 |
| 9 | 22−8390 | Retainer − Spring | 1 |
| 10 | 22−8480 | Spring Ring Spool | 1 |
| 11 | 22−8490 | Ring−Snap | 1 |
| 12 | 22−8400 | Spacer − Float | 1 |
| 13 | 22−8410 | Spring | 1 |
| 14 | 22−8420 | Spool | 1 |
| 15 | 22−8500 | O−Ring | 2 |

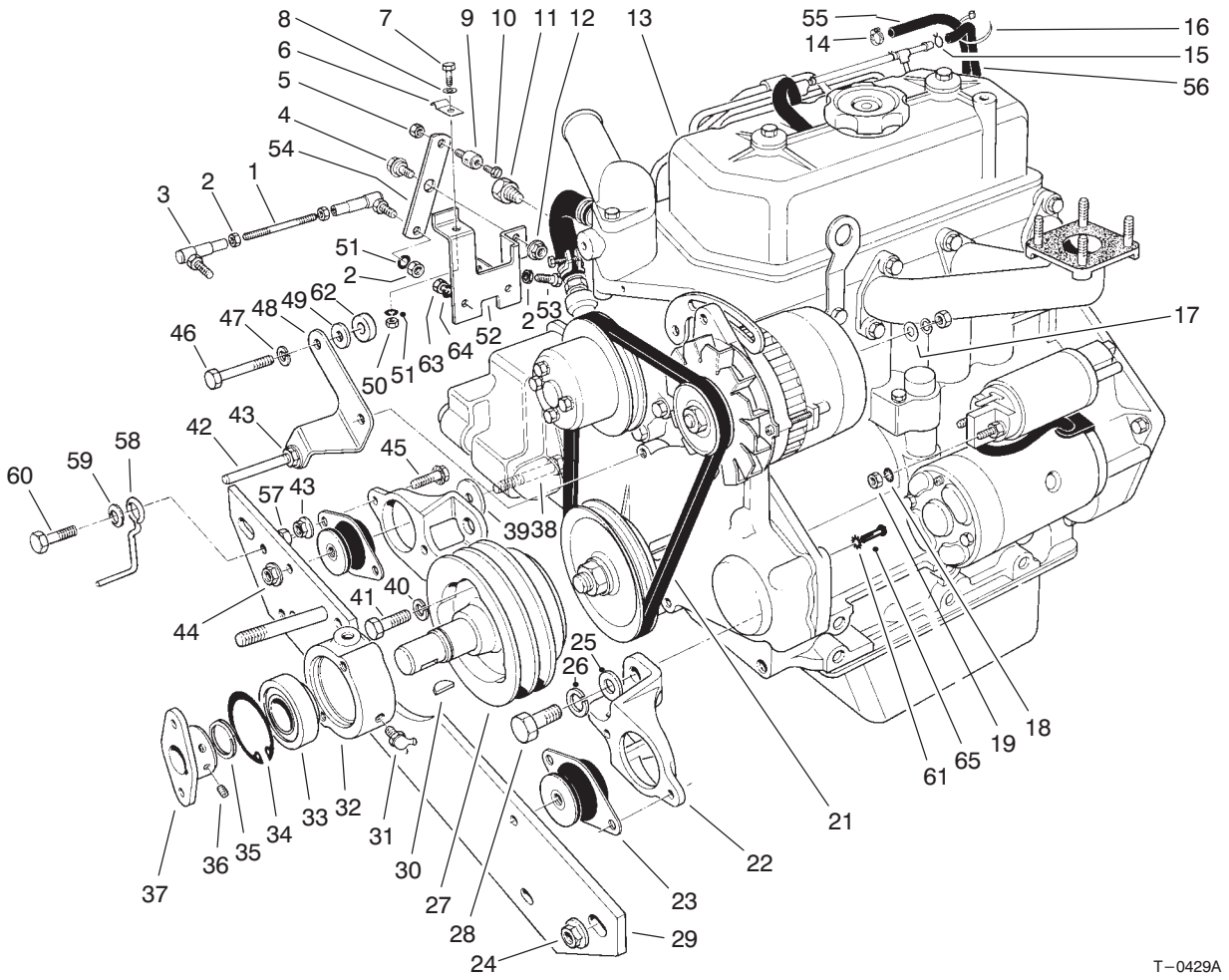



T−0429A

# ENGINE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 43−3770 | Link − Throttle | 1 |
| 2 | 3219−1 | Nut | 5 |
| 3 | 18−1720 | Asm. − Ball Joint | 2 |
| 4 | 37−8770 | Bolt − Shoulder | 1 |
| 5 | 3296−20 | Nut − Lock | 1 |
| 6 | 2412−31 | Clamp − Bodine | 1 |
| 7 | 321−4 | Screw − HH | 1 |
| 8 | 3256−22 | Washer − Flat | 1 |
| 9 | 43−3780 | Swivel − Throttle Control | 1 |
| 10 | 25−8640 | Screw − Machine | 1 |
| 11 | 43−1940 | Adapter − Temp. Gauge | 1 |
| 12 | 32152−1 | Nut − Flange | 1 |
| 13 | 43−1440 | Engine Assembly (Unit Serial No. 50001 thru 60119) | 1 |
| 13 | 94−9160 | Engine Assembly (Unit Serial No. 60120 & Up) | 1 |
| 14 | 2412−108 | Clamp − Worm Drive | 1 |
| 15 | 2412−79 | Clamp | 1 |
| 16 | 3290−379 | Tie − Cable | 1 |
| 17 | 5−3637 | Washer | 1 |
| 18 | 3254−2 | Washer − Lock, Int. Tooth | 2 |
| 19 | 42−9580 | Nut | 2 |
| 21 | 42−9100 | Belt − Fan | 1 |
| 22 | 53−9710 | Mount − Engine | 2 |
| 23 | 53−9680 | Engine Mount − Rubber | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 24 | 32128−23 | Nut − Flange | 2 |
| 25 | 3256−64 | Washer − Flat | 4 |
| 26 | 43−5950 | Washer − Lock | 4 |
| 27 | 43−3510 | Pulley − Engine | 1 |
| 28 | 43−3210 | Screw − HH | 4 |
| 29 | 75−9900 | Engine Support − Front | 1 |
| 30 | 3257−33 | Key − Woodruff | 1 |
| 31 | 302−10 | Fitting − Grease | 1 |
| 32 | 43−3720 | Collar − Bearing | 1 |
| 33 | 251−252 | Bearing − Ball | 1 |
| 34 | 32120−22 | Ring − Retaining, Internal | 1 |
| 35 | 32120−69 | Ring − Retaining, External | 1 |
| 36 | 3241−5 | Screw − Set Socket Head | 2 |
| 37 | 27−1960 | Hub − Engine | 1 |
| 38 | 324−12 | Screw − HH | 2 |
| 39 | 53−9480 | Washer | 2 |
| 40 | 42−9600 | Washer − Lock | 3 |
| 41 | 43−3190 | Screw − HH | 3 |
| 42 | 21−1820 | Stud − Belt Retainer | 2 |
| 43 | 3290−357 | Nut − Flange | 7 |
| 44 | 32128−37 | Nut − Flange | 2 |
| 45 | 3234−11 | Screw − HH | 4 |
| 46 | 42−9510 | Screw − HH | 2 |
| 47 | 3253−4 | Washer − Lock | 2 |
| 48 | 43−3790 | Bracket − Belt Guide | 1 |
| 49 | 4−2390 | Washer | 2 |

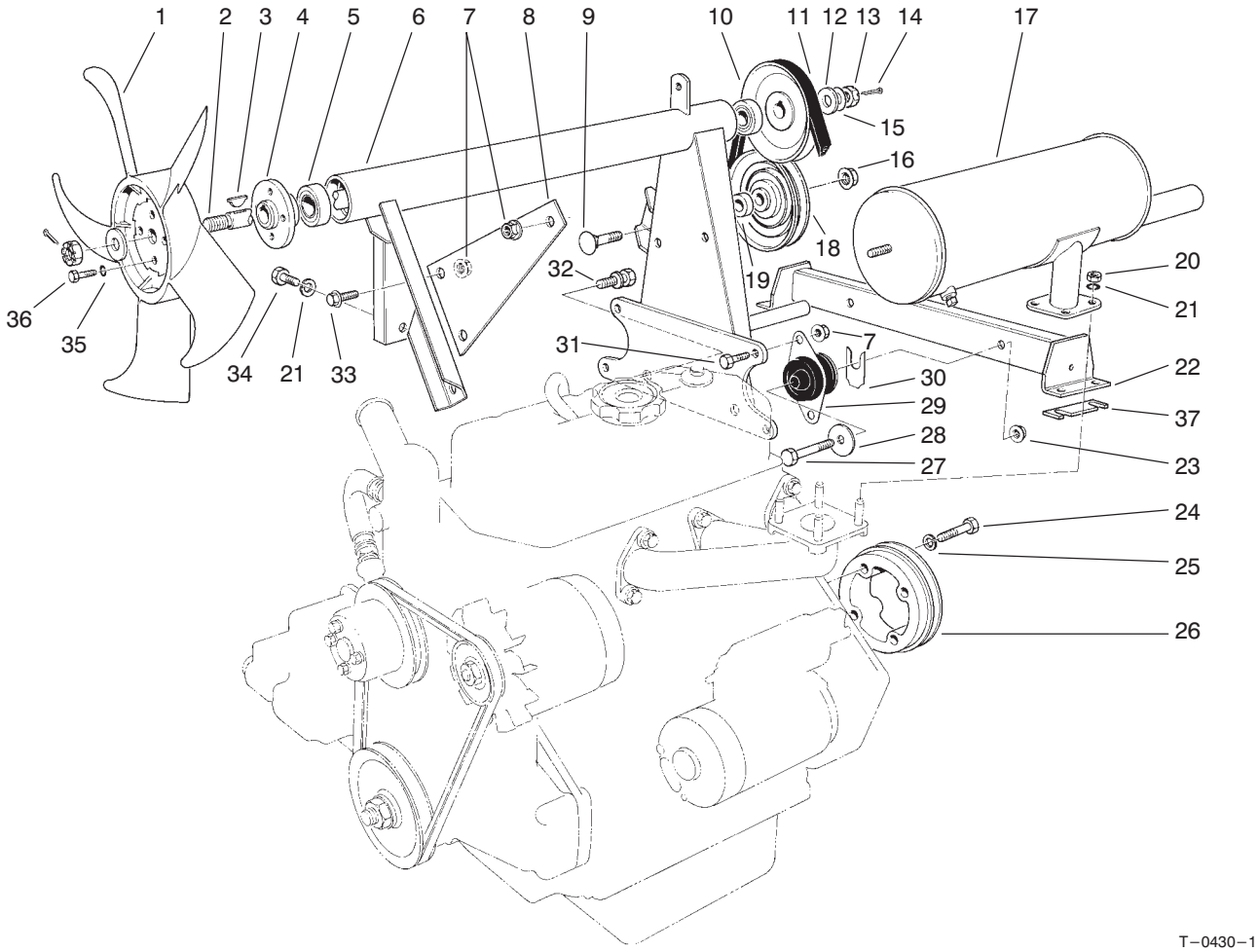



T−0429A

# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 50 | 3217−5 | Nut − Hex. | 1 |
| 51 | 3253−3 | Washer − Lock | 3 |
| 52 | 43−3730 | Bracket − Throttle Control | 1 |
| 53 | 329−7 | Screw − HH | 1 |
| 54 | 43−3760 | Lever − Throttle | 1 |
| 55 | 47−7420 | Hose | 1 |
| 56 | 43−4230 | Hose | 1 |
| 57 | 32153−2 | Nut − Lock | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 58 | 63−1400 | Guide − Belt | 1 |
| 59 | 3290−224 | Washer − Lock | 1 |
| 60 | 3234−18 | Screw − HH | 1 |
| 61 | 3254−2 | Washer − Lock, Ext. Tooth | 1 |
| 62 | 5−0652 | Spacer | 2 |
| 63 | 48−7630 | Screw − HH | 2 |
| 64 | 43−5930 | Washer − Lock | 2 |
| 65 | 66−3160 | Screw | 1 |



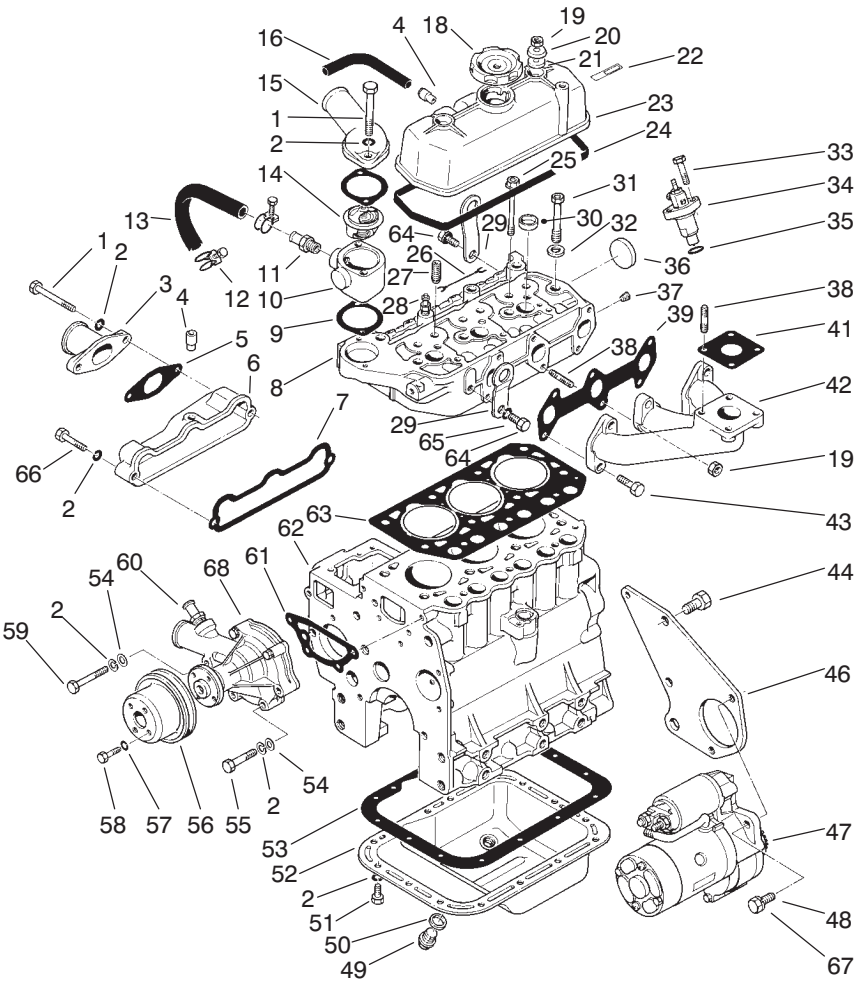

T−0430−1

# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 43−1910 | Fan − Cooling | 1 |
| 2 | 43−3690 | Fan − Shaft | 1 |
| 3 | 3257−30 | Key − Woodruff | 2 |
| 4 | 43−3700 | Hub − Fan | 1 |
| 5 | 38−7820 | Bearing | 2 |
| 6 | 53−9750 | Mount − Fan | 1 |
| 7 | 3290−357 | Nut − Flange | 8 |
| 8 | 43−3870 | Support − Muffler | 1 |
| 9 | 3233−14 | Bolt − Carriage | 1 |
| 10 | 43−3880 | Pulley | 1 |
| 11 | 43−5910 | V−Belt | 1 |
| 12 | 29−8910 | Washer | 2 |
| 13 | 32136−3 | Nut − Hex. Slotted | 2 |
| 14 | 3272−16 | Pin − Cotter | 2 |
| 15 | 3−6803 | Washer | A/R |
| 16 | 32128−23 | Nut − Flange | 1 |
| 17 | 43−3850 | Muffler | 1 |
| 18 | 66−5310 | Pulley − Idler | 1 |
| 19 | 66−5320 | Spacer | 1 |
| 20 | 42−9580 | Nut | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 21 | 3253−4 | Washer − Lock | 5 |
| 22 | 77−3140 | Mount − Engine | 1 |
| 23 | 32128−37 | Nut − Flange | 2 |
| 24 | 43−3200 | Screw − HH | 4 |
| 25 | 42−9600 | Washer − Lock | 4 |
| 26 | 43−3530 | Pulley − Flywheel | 1 |
| 27 | 324−11 | Screw − HH | 2 |
| 28 | 53−9480 | Washer | 2 |
| 29 | 53−9680 | Mount − Engine, Rubber | 2 |
| 30 | 42−6080 | Shim | A/R |
| 31 | 3234−11 | Screw − HH | 4 |
| 32 | 66−7030 | Screw − HH w/Washer | 2 |
| 33 | 3234−12 | Screw − Flange | 2 |
| 34 | 42−9230 | Screw − HH | 1 |
| 35 | 3253−3 | Washer − Lock | 4 |
| 36 | 321−3 | Screw − HH | 4 |
| 37 | 68−9110 | Shim | A/R |
| * | 68−9111 | Shim | A/R |
| * | 68−9112 | Shim | A/R |

*Not Illustrated



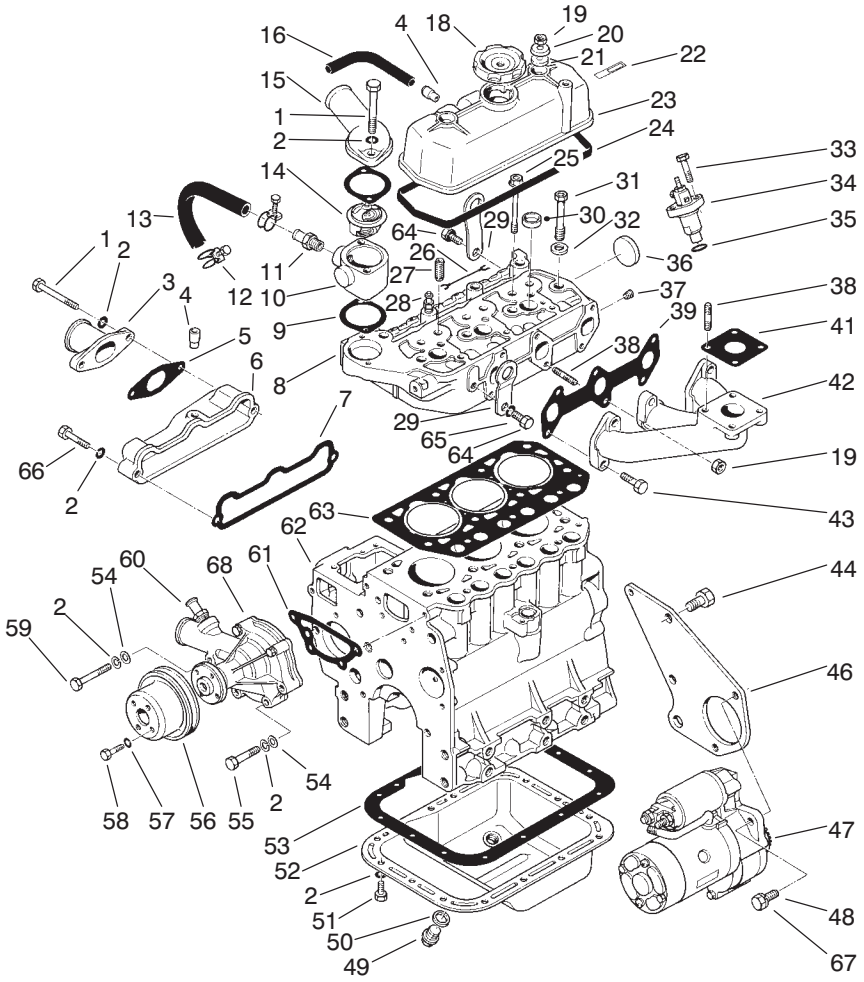

T−0431−1

# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 42−9310 | Screw − HH | 4 |
| 2 | 42−9850 | Washer − Lock | 24 |
| 3 | 42−9150 | Inlet − Pipe | 1 |
| 4 | 42−7510 | Pipe | 2 |
| 5 | 42−9160 | Gasket − Inlet Pipe | 1 |
| 6 | 42−9120 | Asm. − Intake Manifold | 1 |
| 7 | 42−9140 | Gasket − Intake Manifold | 1 |
| 8 | 72−4290 | Asm. − Head, Cylinder | 1 |
| ‡* | 93−1369 | Asm. − Head, Cylinder | 1 |
| 9 | 42−7550 | Gasket | 2 |
| 10 | 43−1790 | Fitting − Thermostat | 1 |
| 11 | 42−7740 | Nipple − Hose | 1 |
| 12 | 43−3140 | Clamp − Hose | 2 |
| 13 | 43−3130 | Hose − Water (Incl. Ref. #12) | 1 |
| 14 | 43−1780 | Thermostat | 1 |
| 15 | 42−7540 | Fitting − Water Outlet | 1 |
| 16 | 93−3685 | Pipe − Air Breather | 1 |
| 18 | 42−7420 | Cap − Oil Filter | 1 |
| 19 | 42−9580 | Nut (8) | 3 |
| 20 | 42−9800 | Washer | 2 |
| 21 | 42−7490 | Seal − Oil | 2 |
| 22 | 42−7530 | Label − Engine No. | 1 |
| 23 | 42−7500 | Asm. − Cover, Rocker | 1 |
| 24 | 42−7520 | Gasket − Cover, Rocker | 1 |
| 25 | 93−3180 | Bolt − Cylinder Head (10 x 90) | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 26 | 42−9180 | Wire − Glow Plug Lead | 2 |
| 27 | 42−7460 | Guide − Valve | 6 |
| 28 | 42−7480 | Glow Plug | 3 |
| 29 | 42−7440 | Hanger − Engine | 2 |
| 30 | 42−7080 | Cap − Sealing (25) | 3 |
| 31 | 42−9320 | Bolt − Cylinder Head (12 x 98) | 8 |
| 32 | 42−9790 | Washer − Head Bolt | 8 |
| 33 | 42−9390 | Bolt (8 x 32) | 6 |
| 34 | 44−8070 | Asm. − Nozzle & Holder | 3 |
| 35 | 42−8120 | Gasket − Nozzle Holder | 3 |
| 36 | 42−7090 | Cap − Sealing (45) | 1 |
| 37 | 67−2570 | Plug − Taper 1/8 | 1 |
| 38 | 42−9570 | Stud (8 x 25) | 5 |
| 39 | 42−9170 | Gasket − Exhaust Manifold | 1 |
| 41 | 42−9110 | Gasket | 1 |
| 42 | 43−1870 | Manifold − Exhaust | 1 |
| 43 | 42−9520 | Screw − Cap (8 x 30) | 5 |
| 44 | 42−9240 | Screw − Cap (12 x 28) | 3 |
| 46 | 43−1770 | Plate − Rear | 1 |
| 47 | 46−7610 | Asm. − Starter | 1 |
| 48 | 43−0090 | Screw − Cap (10 x 25) | 2 |
| 49 | 42−9260 | Plug − Oil Drain | 1 |
| 50 | 42−7290 | Gasket − Oil Drain Plug (18) | 1 |
| 51 | 42−9230 | Screw − Cap (8 x 16) | 15 |

‡ For engines with Serial No. 86155 & up.

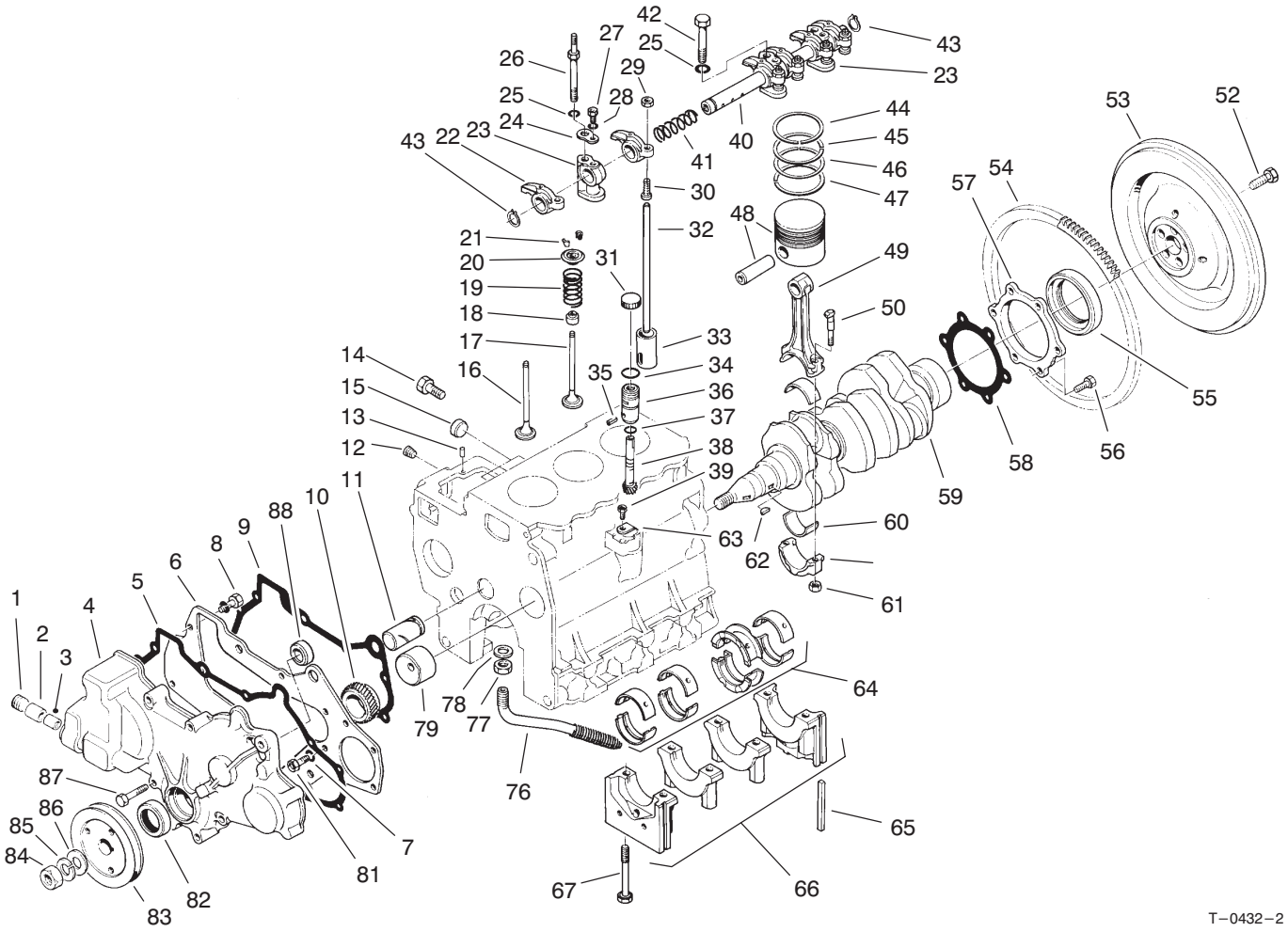



# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 52 | 42−7280 | Asm. − Oil Pan (Incl. Ref. #49 & 50) | 1 |
| 53 | 42−7300 | Gasket − Oil Pan | 1 |
| 54 | 42−9660 | Washer − Plain (8) | 4 |
| 55 | 42−9500 | Screw − Cap (8 x 45) | 3 |
| 56 | 42−9070 | Pulley − Water Pump | 1 |
| 57 | 43−5930 | Washer − Lock | 4 |
| 58 | 42−9490 | Screw − Cap (6 x 12) | 4 |
| 59 | 42−9510 | Screw − Cap (8 x 60) | 1 |
| 60 | 42−9080 | Asm. − Water Pump | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 61 | 42−9090 | Gasket − Water Pump | 1 |
| 62 | 48−2020 | Cylinder Block Sub Asm. | 1 |
| 63 | 42−7470 | Gasket − Cylinder Head | 1 |
| 64 | 42−9300 | Screw −Cap (10 x 20) | 2 |
| 65 | 42−9600 | Washer − Lock | 2 |
| 66 | 42−9530 | Screw − Cap (8 x 40) | 1 |
| 67 | 42−9600 | Washer − Lock | 2 |
| 68 | 93−3656 | Gasket − Pump, Water | 1 |
| * | 42−9200 | Complete Gasket Set | 1 |

*Not Illustrated

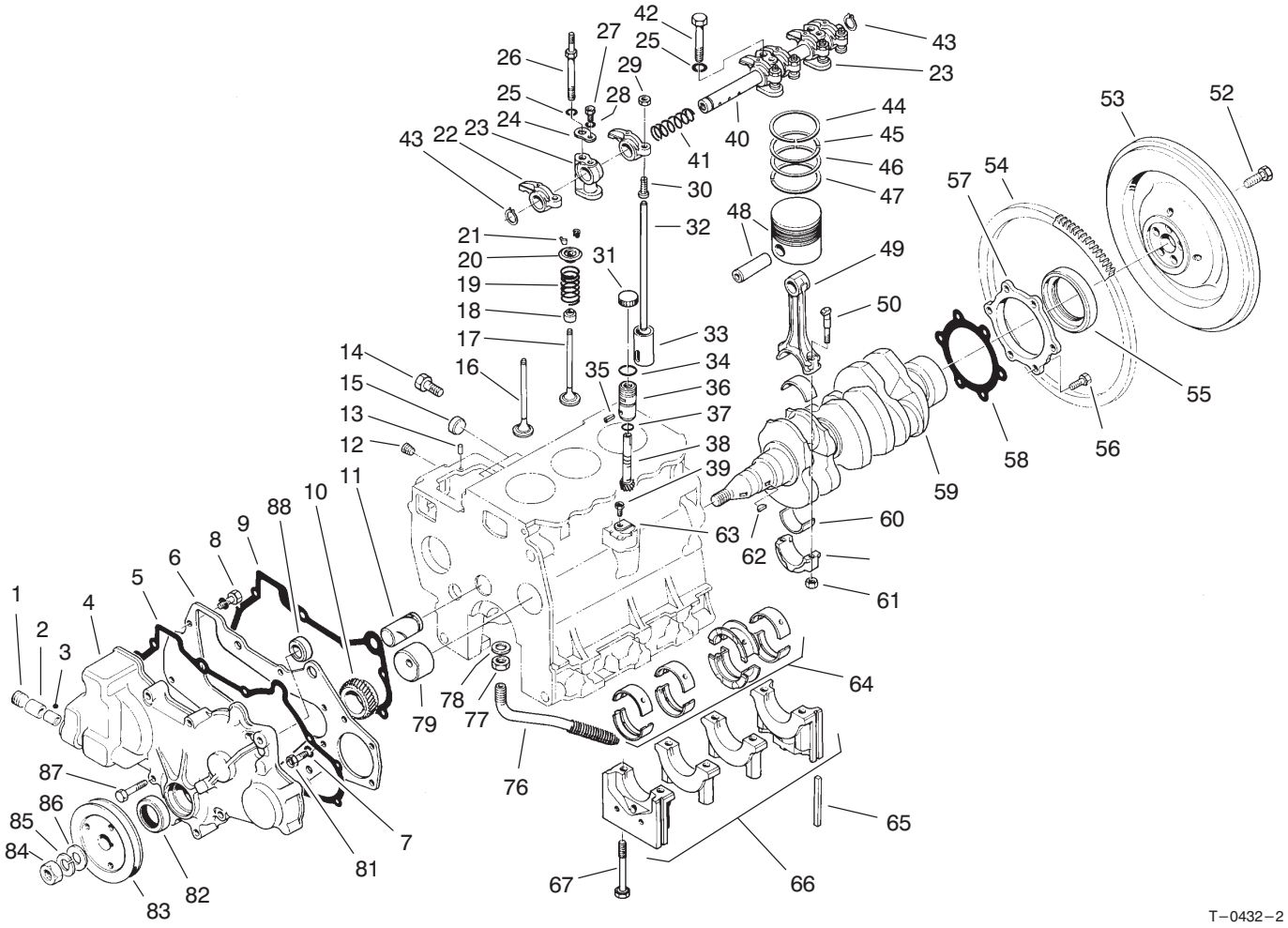



# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 42−7400 | Plug − Taper | 1 |
| 2 | 42−7320 | Bearing − Needle | 1 |
| 3 | 42−7310 | Bearing − Needle | 1 |
| 4 | 93−3689 | Case − Gear | 1 |
| 5 | 42−7340 | Gasket − Gear Case | 1 |
| 6 | 62−3740 | Plate − Front | 1 |
| 7 | 42−9850 | Washer − Lock | 5 |
| 8 | 67−2340 | Screw − HH w/Washer | 2 |
| 9 | 42−7150 | Gasket − Front Plate | 1 |
| 10 | 42−7700 | Gear − Crankshaft | 1 |
| 11 | 42−7110 | Shaft − Idler | 1 |
| 12 | 67−2390 | Plug − Taper | 2 |
| 13 | 56−0220 | Pin − Dowel | 2 |
| 14 | 42−9250 | Screw − HH | 4 |
| 15 | 42−7080 | Cap − Sealing | 2 |
| 16 | 93−1351 | Valve − Intake | 3 |
| 17 | 93−1352 | Valve − Exhaust | 3 |
| 18 | 92−1961 | Seal − Valve Stem | 6 |
| 19 | 42−7880 | Spring − Valve | 6 |
| 20 | 42−7850 | Retainer − Valve Spring | 6 |
| 21 | 42−7860 | Lock − Spring Retainer | 12 |
| 22 | 42−7940 | Arm − Rocker | 6 |
| 23 | 42−7970 | Stay − Rocker | 3 |
| 24 | 42−7950 | Washer − Seat | 2 |
| 25 | 42−9600 | Washer − Spring | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 26 | 42−9360 | Bolt | 2 |
| 27 | 42−9350 | Screw − HH | 2 |
| 28 | 43−5930 | Washer − Lock | 2 |
| 29 | 42−9620 | Nut − Jam | 6 |
| 30 | 42−7980 | Screw − Adjusting | 6 |
| 31 | 93−3688 | Cap − Shipping | 1 |
| 32 | 42−7920 | Rod − Push | 6 |
| 33 | 42−7890 | Tappet | 6 |
| 34 | 42−9010 | O−Ring | 1 |
| 35 | 42−8970 | Pin − Spring | 1 |
| 36 | 42−8980 | Sleeve − Gear | 1 |
| 37 | 42−8990 | O−Ring | 1 |
| †38 | | Gear − Driven | 1 |
| 39 | 42−9440 | Screw − HH | 1 |
| 40 | 42−7960 | Shaft Assembly − Rocker | 1 |
| 41 | 42−7930 | Spring − Rocker Shaft L.H. | 1 |
| 42 | 42−9370 | Screw − HH | 1 |
| 43 | 42−7990 | Ring − Snap | 2 |
| 44 | 72−4200 | Ring − Set − Piston Std. | 3 |
| 45 | 72−4210 | Ring Set − Piston 0.25 (.010 in.) 0.5. | 3 |
| 46 | 72−4220 | Ring Set − Piston 0.50 (.020 in.) 0.5. | 3 |
| 47 | 72−4230 | Ring Set − Piston 075 (.030 in.) 0.5. | 3 |

*Not Illustrated

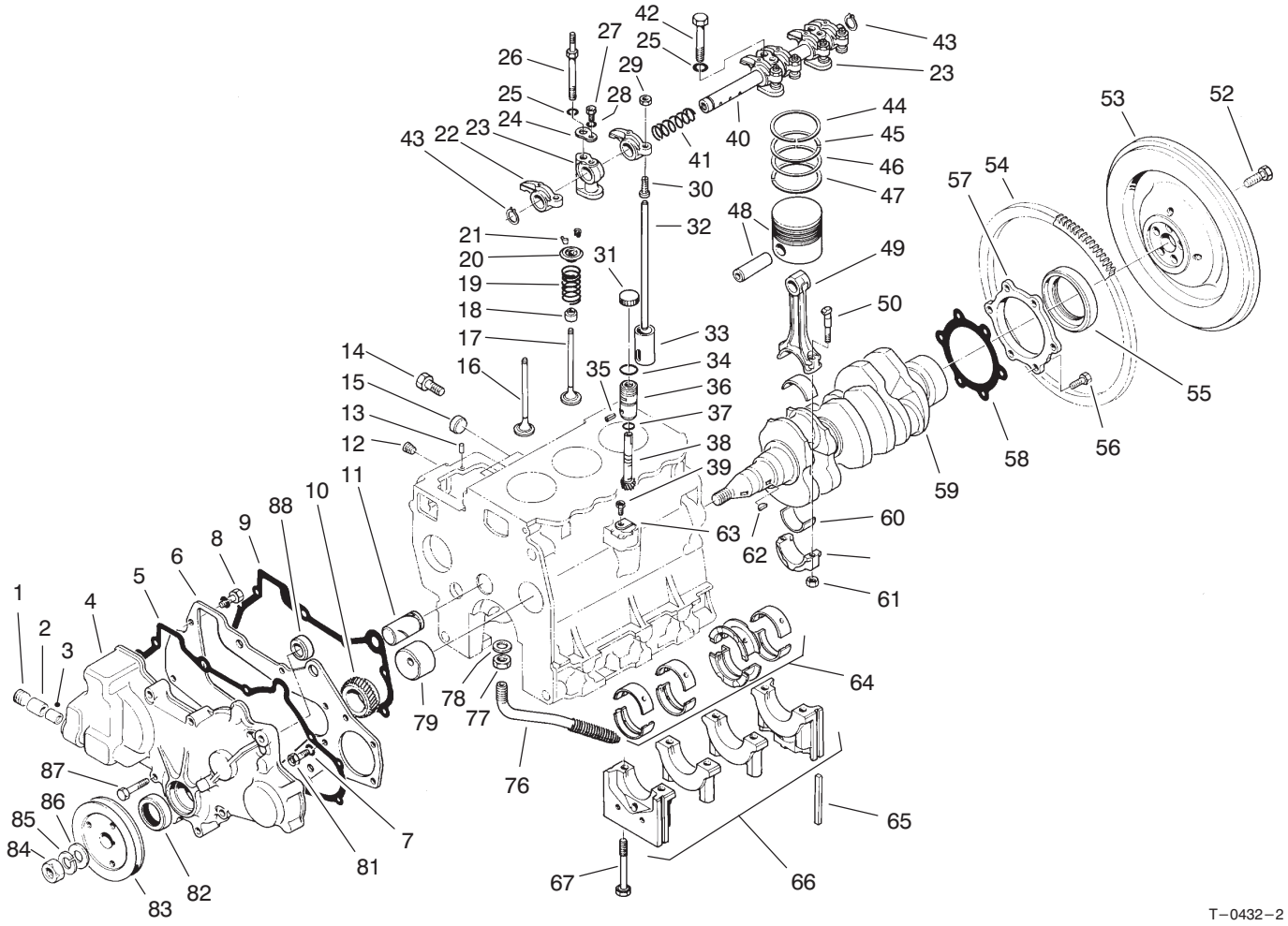



# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 48 | 72−4240 | Piston & Piston Pin Std. | 3 |
| * | 72−4250 | Piston & Piston Pin 0.25 (.010 in.) 0.5. | 3 |
| * | 72−4260 | Piston & Piston Pin 0.50 (.020 in.) 0.5. | 3 |
| * | 72−4270 | Piston & Piston Pin 0.75 (.030 in.) 0.5. | 3 |
| 49 | 42−7650 | Asm. − Connecting Rod | 3 |
| 50 | 67−2860 | Bolt − Connecting Rod | 6 |
| 52 | 54−8670 | Bolt − Flywheel | 5 |
| 53 | 43−1800 | Flywheel (Incl. Ref. #54) | 1 |
| 54 | 43−1810 | Gear − Ring | 1 |
| 55 | 42−7060 | Seal − Oil | 1 |
| 56 | 42−9220 | Screw − Cap Hex. Hd. | 6 |
| 57 | 42−7120 | Case − Oil Seal | 1 |
| 58 | 42−7130 | Gasket − Oil Seal | 1 |
| 59 | 42−7710 | Crankshaft | 1 |
| 60 | 42−7660 | Bearing Set Connecting Rod Std. | 3 |
| * | 42−7670 | Bearing Set Connecting Rod 0.25 (.010 in.) U.S. | 3 |
| * | 42−7680 | Bearing Set Connecting Rod 0.50 (.020 in.) U.S. | 3 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| *60 | 42−7690 | Bearing Set Connecting Rod 0.75 (.030 in.) U.S. | 3 |
| 61 | 42−9590 | Nut − Connecting Rod | 6 |
| 62 | 42−7730 | Key − Woodruff | 2 |
| 63 | 42−9020 | Plate − Locking | 1 |
| 64 | 42−7230 | Bearing Set Crankshaft Std. | 1 |
| * | 42−7240 | Bearing Set − Crankshaft 0.25 (.010 in.) U.S. | 1 |
| * | 42−7250 | Bearing Set − Crankshaft 0.50 (.020 in.) U.S. | 1 |
| * | 42−7260 | Bearing Set − Crankshaft 0.75 (.030 in.) U.S. | 1 |
| 65 | 42−7040 | Seal − Side | 4 |
| †66 | | Asm. − Bearing Cap | 1 |
| 67 | 42−9210 | Bolt − Bearing Cap | 8 |
| 76 | 48−2010 | Asm. − Screen, Oil | 1 |
| 77 | 48−1990 | Nut − Jam | 1 |
| 78 | 48−1980 | Gasket | 1 |
| 79 | 42−7100 | Bushing − Camshaft | 1 |
| 81 | 42−9230 | Screw − HH | 3 |
| 82 | 42−7390 | Seal − Oil | 1 |
| 83 | 42−7720 | Pulley − Crankshaft | 1 |
| 84 | 43−6470 | Nut | 1 |
| 85 | 42−9860 | Washer −Spring | 1 |

*Not Illustrated
†Not Available




T−0432−2

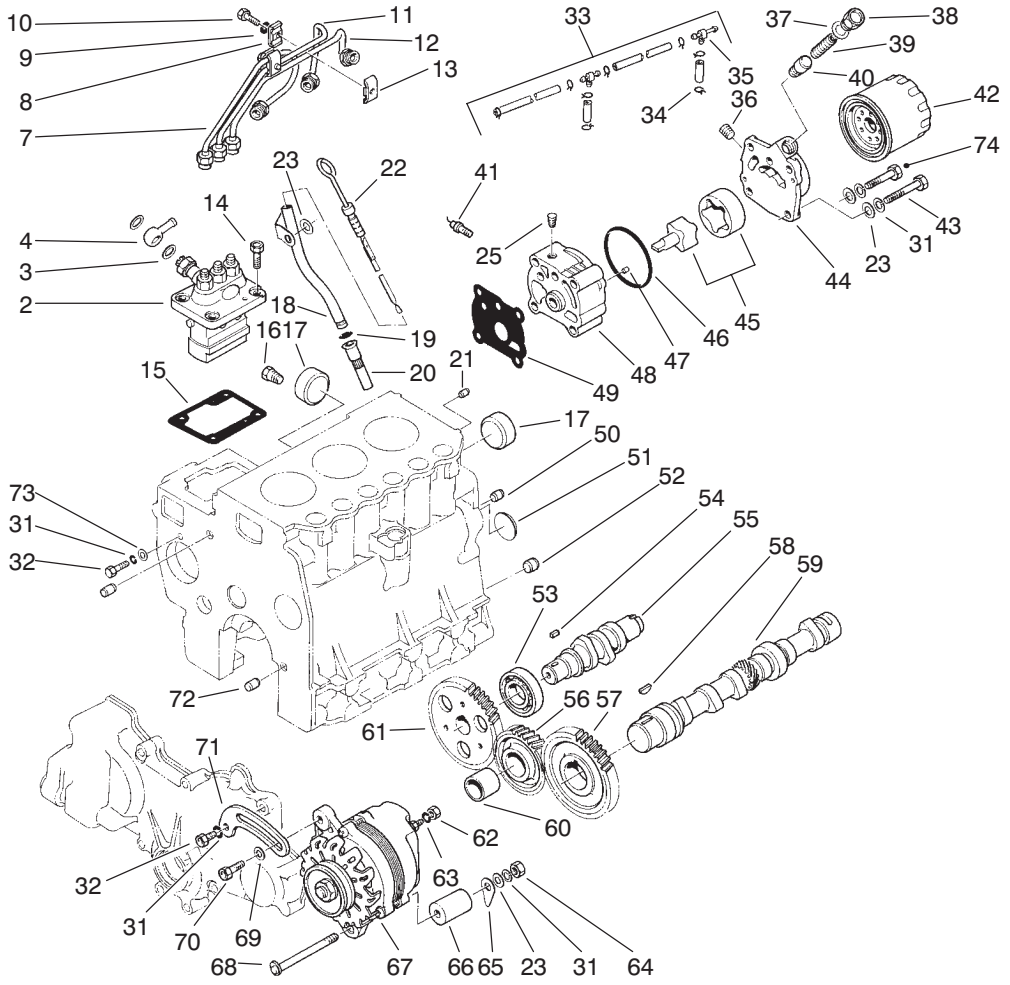
# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 86 | 42−9810 | Washer − Flat | 1 |
| 87 | 33114−045 | Screw − HH | 8 |
| 88 | 82−2590 | Plug − Thrust | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| * | 42−8960 | Driven Unit − Speedometer (Incl. Ref. #34−38) | 1 |

*Not Illustrated
†Not Available

3324−129



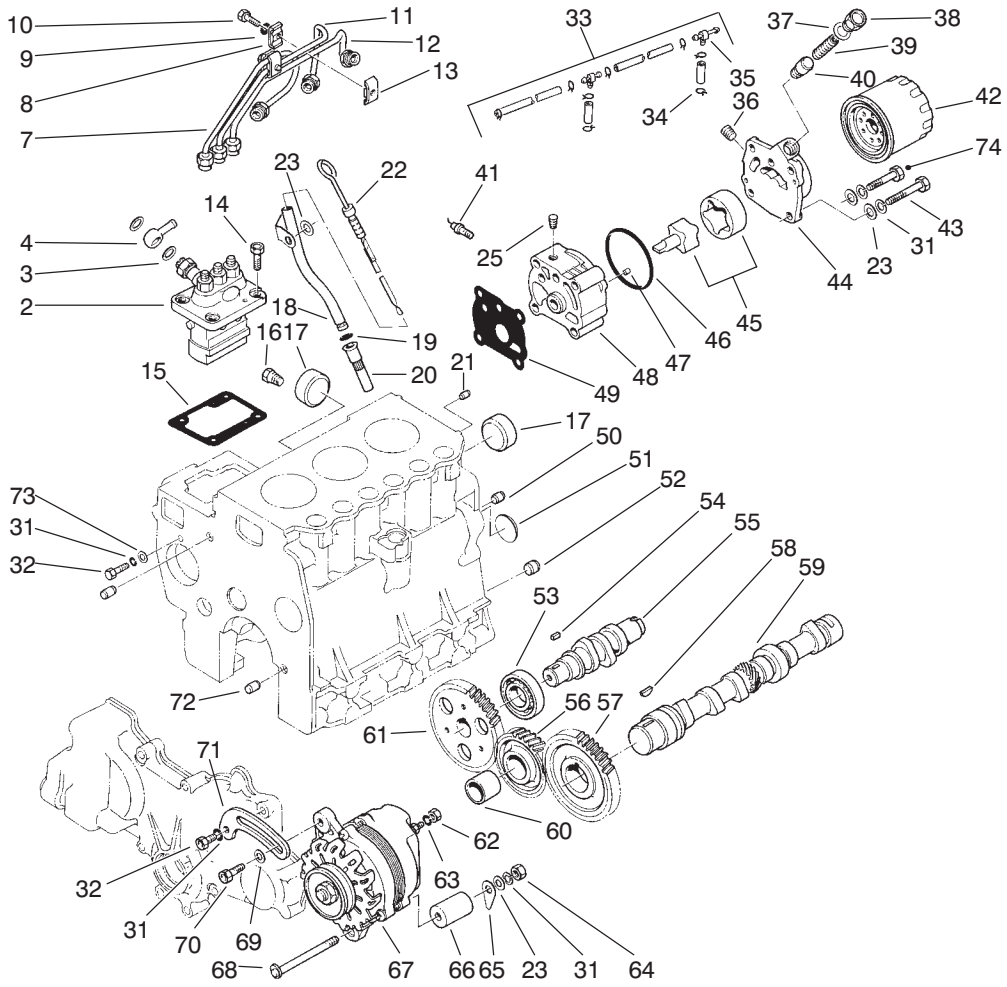

T−0433−1

# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| †2 | | Asm. − Pump, Fuel Injection (Used on Serial No. 60120 & Up) | 1 |
| 3 | 42−9830 | Washer − Seal | 2 |
| 4 | 42−8100 | Collar − Union | 1 |
| 7 | 42−8130 | Asm. − Pipe, Fuel Injection (No. 1) | 1 |
| 8 | 56−0750 | Clamp | 2 |
| 9 | 43−5930 | Washer − Lock | 1 |
| 10 | 43−2600 | Capscrew | 2 |
| 11 | 42−8140 | Asm. − Pipe, Fuel Injection (No. 2) | 1 |
| 12 | 42−8150 | Asm. − Pipe, Fuel Injection (No.3) | 1 |
| 13 | 56−0760 | Clamp | 2 |
| †14 | 43−0110 | Screw − HH (Used on Serial No. 60120 & Up) | 3 |
| 15 | 42−8010 | Shim − 0.2 (.008 in.) | A/R |
| * | 42−8020 | Shim − 0.3 (.012 in.) | A/R |
| * | 42−8030 | Shim − 0.4 (.016 in.) | A/R |
| 15 | 42−8040 | Shim − 0.5 (.020 in.) | A/R |
| * | 42−8050 | Shim − 0.6 (.024 in.) | A/R |
| * | 42−8060 | Shim − 0.7 (.028 in.) | A/R |
| * | 42−8070 | Shim − 0.8 (.032 in.) | A/R |
| * | 42−8080 | Shim − 0.9 (.036 in.) | A/R |
| * | 42−8090 | Shim − 1.0 (.039 in.) | A/R |
| 16 | 281−1 | Plug − Taper | 1 |
| 17 | 42−7090 | Cap − Sealing | 2 |
| 18 | 42−7050 | Guide − Oil Level Gauge | 1 |
| 19 | 43−2710 | O−Ring | 1 |
| 20 | 72−6950 | Retainer − Oil Level Guide | 1 |
| 21 | 42−7160 | Pin − Dowel | 1 |
| 22 | 42−7270 | Asm. − Gauge, Oil Level | 1 |
| 23 | 42−9660 | Washer − Flat | 6 |
| 25 | 67−2570 | Plug − Taper | 1 |
| 31 | 42−9850 | Washer − Lock | 7 |
| 32 | 42−9230 | Screw − HH | 2 |
| 33 | 42−8180 | Asm. − Pipe, Fuel Return | 1 |
| 34 | 2412−79 | Clamp − Hose | 8 |
| 35 | 42−8190 | Joint | 2 |
| 36 | 67−2390 | Plug − Taper | 1 |
| 37 | 42−7290 | Gasket | 1 |
| 38 | 67−2520 | Plug | 1 |
| 39 | 42−8930 | Spring − Relief | 1 |
| 40 | 67−2500 | Plunger − Relief | 1 |
| 41 | 56−1310 | Asm. − Oil Pressure Switch | 1 |
| 42 | 42−9030 | Asm. − Filter, Oil | 1 |

*Not Illustrated

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



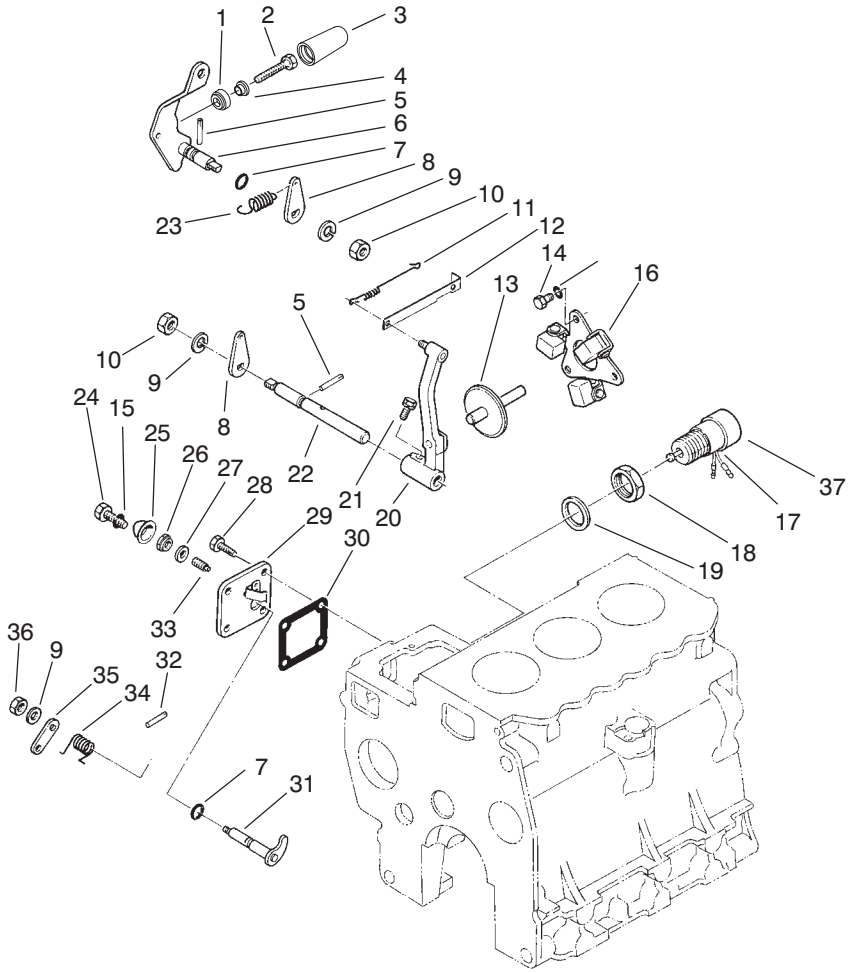

T−0433−1

# ENGINE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 43 | 42−9480 | Screw − HH | 3 |
| 44 | 42−8920 | Cover − Oil Pump | 1 |
| 45 | 42−8910 | Asm. − Rotor, Oil Pump | 1 |
| 46 | 42−8940 | O−Ring | 1 |
| 47 | 93−3657 | Pin − Dowel | 2 |
| 48 | 42−8900 | Body − Oil Pump | 1 |
| 49 | 42−8950 | Gasket − Oil Pump Body | 1 |
| 50 | 42−7180 | Bushing − Knock | 2 |
| 51 | 42−7170 | Plug − Expansion | 1 |
| 52 | 42−7200 | Bushing − Knock | 1 |
| 53 | 42−7820 | Bearing − Ball | 1 |
| 54 | 42−7840 | Key − Sunk | 1 |
| 55 | 42−7810 | Shaft − Injection Pump Cam | 1 |
| 56 | 42−7790 | Asm. − Idler Gear (Incl. Ref. #60) | 1 |
| 57 | 42−7780 | Gear − Camshaft | 1 |
| 58 | 42−7730 | Key − Woodruff | 1 |
| 59 | 72−4280 | Camshaft | 1 |
| 60 | | Bushing − Idler Gear | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 61 | 42−7830 | Gear − Injection Pump Cam | 1 |
| 62 | 43−5970 | Nut | 1 |
| 63 | 43−5920 | Washer − Lock | 1 |
| 64 | 42−9580 | Nut | 1 |
| 65 | 43−0370 | Shim | AIR |
| 66 | 43−0380 | Spacer | 1 |
| 67 | 43−0390 | Alternator (Model AH2035M4) | 1 |
| 68 | 43−1900 | Screw − HH | 1 |
| 69 | 54−8660 | Washer | 1 |
| 70 | 67−4660 | Screw − HHF | 1 |
| 71 | 43−0400 | Brace − Alternator | 1 |
| 72 | 42−7190 | Bushing − Knock | 2 |
| 73 | 42−9820 | Washer | 1 |
| 74 | 56−2120 | Screw − Hex. Hd. | 1 |
| * | 42−8850 | Asm. − Oil Pump (Incl. Ref. 36−40 & 44−48) | 1 |
| * | 95−3092 | 400 Hour Filter Kit (Incl. Ref. #42) | 1 |

*Not Illustrated

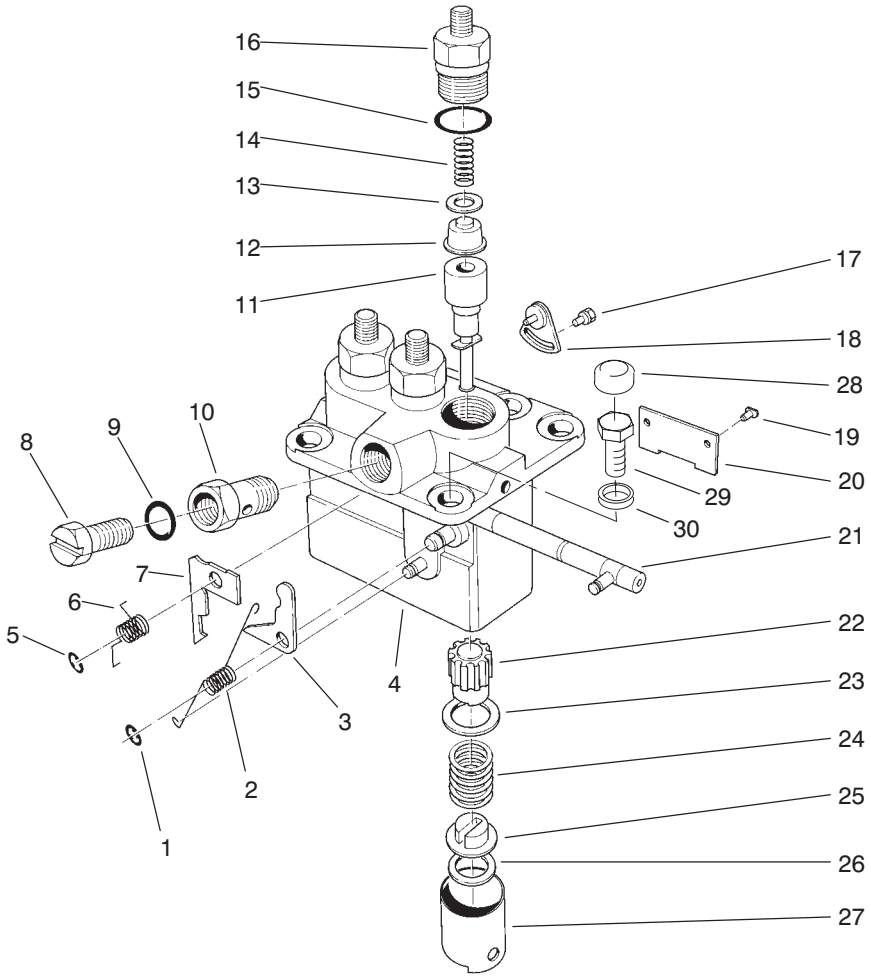



# GOVERNOR ASSEMBLY
# (Used on Serial No. 60120 & Up)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| †1 | | C−Ring, High Speed Set | 1 |
| †2 | | Bolt − High Speed Set | 1 |
| †3 | | Cover − High Speed Set | 1 |
| †4 | | Nut − High Speed Set | 1 |
| 5 | 42−8810 | Pin − Grooved | 2 |
| 6 | 42−8780 | Asm. − Speed Control Lever | 1 |
| 7 | 42−8830 | O−Ring | 2 |
| 8 | 42−8770 | Lever − Governor Spring | 2 |
| 9 | 42−9850 | Washer − Lock | 2 |
| 10 | 42−9580 | Nut − Jam | 2 |
| 11 | 42−8740 | Spring − Tie Rod | 1 |
| 12 | 42−8750 | Tie Rod | 1 |
| 13 | 42−8720 | Asm. − Sliding Shaft | 1 |
| 14 | 42−9430 | Screw − HH | 3 |
| 15 | 43−5930 | Washer − Lock | 4 |
| 16 | 67−4040 | Asm. − Weight, Governor | 1 |
| 17 | 43−2730 | Solenoid − Tubular | 1 |
| 18 | 43−2750 | Nut | 1 |
| 19 | 43−2740 | Gasket | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 20 | 42−8730 | Asm. − Governor Lever | 1 |
| 21 | 42−9450 | Asm. − Bolt/Washer | 1 |
| 22 | 42−8760 | Shaft − Governor | 1 |
| 23 | 42−8820 | Spring − Governor | 1 |
| 24 | 43−2800 | Screw − HH | 1 |
| 25 | 43−2820 | Sealing Cap | 1 |
| 26 | 43−5960 | Nut − Special | 1 |
| 27 | 43−3120 | Washer − Seal | 1 |
| 28 | 67−2560 | Screw − HH | 3 |
| 29 | 42−8790 | Asm. − Cover (Incl. Ref. #25, 27 & 33) | 1 |
| 30 | 42−8800 | Gasket Cover | 1 |
| 31 | 44−8090 | Asm. − Lever, Stop | 1 |
| 32 | 42−8810 | Pin − Grooved | 1 |
| 33 | 43−3160 | Screw − Adjusting | 1 |
| 34 | 44−8100 | Spring Return | 1 |
| 35 | 43−2770 | Lever − Stop | 1 |
| 36 | 42−9640 | Nut − Jam | 1 |
| 37 | 62−6940 | Cap | 1 |

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



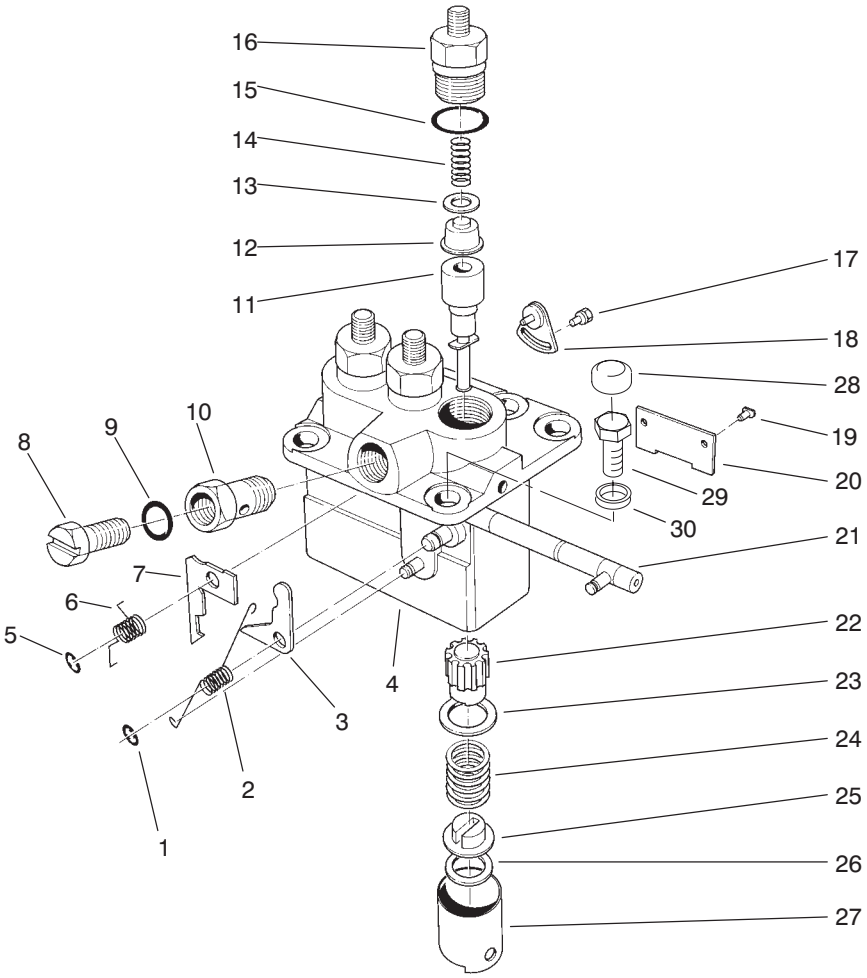

T−2435

# FUEL INJECTION PUMP ASSEMBLY (Used on Serial No. 60120 & Up)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 70−4240 | E−Ring | 1 |
| 2 | 43−3110 | Spring − Ungleich Set | 1 |
| 3 | 95−1566 | Plate − Ungleich Set 17.0 (.669 in.) Mark 6 | A/R |
| * | 95−1567 | Plate − Ungleich Set 16.9 (.665 in.) Mark 7 | A/R |
| * | 95−1568 | Plate − Ungleich Set 16.8 (.661 in.) Mark 8 | A/R |
| * | 95−1569 | Plate − Ungleich Set 16.7 (.657 in.) Mark 9 | A/R |
| * | 95−1570 | Plate − Ungleich Set 16.6 (.654 in.) Mark 10 | A/R |
| * | 95−1571 | Plate − Ungleich Set 16.85 (.663 in.) Mark 11 | A/R |
| * | 95−1572 | Plate − Ungleich Set 16.75 (.659 in.) Mark 12 | A/R |
| 4 | | Pump Housing Sub Asm. | 1 |
| 5 | 54−8780 | E−Ring | 1 |
| 6 | 42−8460 | Spring Return | 1 |
| 7 | 54−8700 | Plate − Smoke Set 2.3 (.091 in.) Mark 60 | A/R |
| * | 43−3010 | Plate − Smoke Set 2.4 (.095 in.) Mark 61 | A/R |
| * | 56−0950 | Plate − Smoke Set 2.5 (.098 in.) Mark 62 | A/R |
| 7 | 43−3020 | Plate − Smoke Set 2.6 (.102 in.) Mark 63 | A/R |
| * | 95−1573 | Plate − Smoke Set 1.2 (.047 in.) Mark 49 | A/R |
| * | 95−1574 | Plate − Smoke Set 1.3 (.051 in.) Mark 50 | A/R |
| * | 95−1576 | Plate − Smoke Set 1.4 (.055 in.) Mark 51 | A/R |
| * | 56−0900 | Plate − Smoke Set 1.5 (.059 in.) Mark 52 | A/R |
| * | 56−0990 | Plate − Smoke Set 1.6 (.063 in.) Mark 53 | A/R |
| * | 56−0910 | Plate − Smoke Set 1.7 (.067 in.) Mark 54 | A/R |
| * | 56−1000 | Plate − Smoke Set 1.8 (.071 in.) Mark 55 | A/R |
| * | 56−0920 | Plate − Smoke Set 1.9 (.075 in.) Mark 56 | A/R |
| * | 56−1010 | Plate − Smoke Set 2.0 (.079 in.) Mark 57 | A/R |
| * | 56−0930 | Plate − Smoke Set 2.1 (.083 in.) Mark 58 | A/R |
| * | 43−3000 | Plate − Smoke Set 2.2 (.087 in.) Mark 59 | A/R |
| 8 | 42−8370 | Screw − Air Breather | 1 |

*Not Illustrated

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



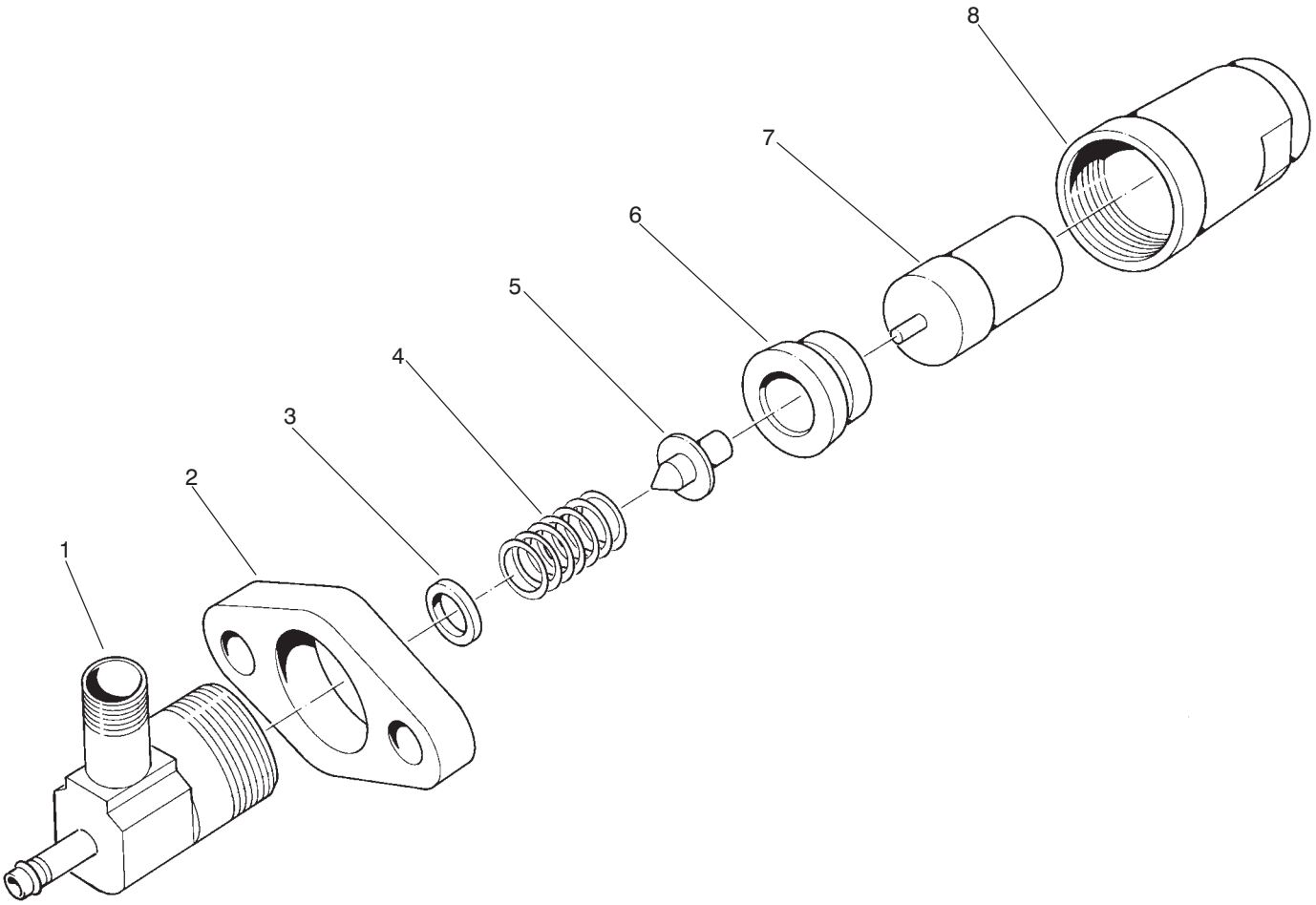

T−2435

# FUEL INJECTION PUMP ASSEMBLY (Continued)
# (Used on Serial No. 60120 & Up)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 42−9770 | Washer | 1 |
| 10 | 42−8380 | Screw − Hollow | 1 |
| 11 | 42−8260 | Element Sub Asm. | 3 |
| 12 | 42−8250 | Delivery Valve Sub Asm. | 3 |
| 13 | 42−8240 | Gasket − Delivery Valve | 3 |
| 14 | 42−8230 | Spring − Delivery Valve | 3 |
| 15 | 42−8330 | O−Ring | 3 |
| 16 | 42−8220 | Holder − Delivery Valve | 3 |
| 17 | 43−3150 | Asm. − Bolt/Washer | 2 |
| 18 | 42−8360 | Asm. − Plate, Adjusting | 2 |
| 19 | 42−8340 | Pin − Tappet Guide | 3 |
| 20 | 42−8350 | Plate | 1 |
| 21 | 42−8310 | Asm. − Rack, Control | 1 |
| 22 | 42−8270 | Sleeve − Plunger Control | 3 |
| 23 | 42−8280 | Seat − Spring, Upper | 3 |
| 24 | 42−8290 | Spring − Pump Plunger | 3 |
| 25 | 42−8320 | Seat − Spring, Lower | 3 |
| 26 | 70−3970 | Shim − Plate 0.6 (.0241 in.) | A/R |
| * | 70−4070 | Shim − Plate 0.2 (.008 in.) | A/R |
| 26 | 70−4080 | Shim − Plate 0.3 (.0121 in.) | A/R |
| * | 70−4090 | Shim − Plate 0.4 (.016 in.) | A/R |
| * | 70−4100 | Shim − Plate 0.5 (.020 in.) | A/R |
| * | 42−8440 | Shim − Plate 0.25 (.010 in.) | A/R |
| * | 42−8450 | Shim − Plate 0.35 (.014 in.) | A/R |
| * | 43−6240 | Shim − Plate 0.45 (.018 in.) | A/R |
| * | 54−8680 | Shim − Plate 0.55 (.022 in.) | A/R |
| * | 54−8690 | Shim − Plate 0.65 (.026 in.) | A/R |
| 27 | 42−8300 | Tappet Sub Asm. | 3 |
| †28 | | Cover | 1 |
| †29 | | Screw − Cap Hex. Hd. | 1 |
| †30 | | C−Ring | 1 |

*Not Illustrated

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.

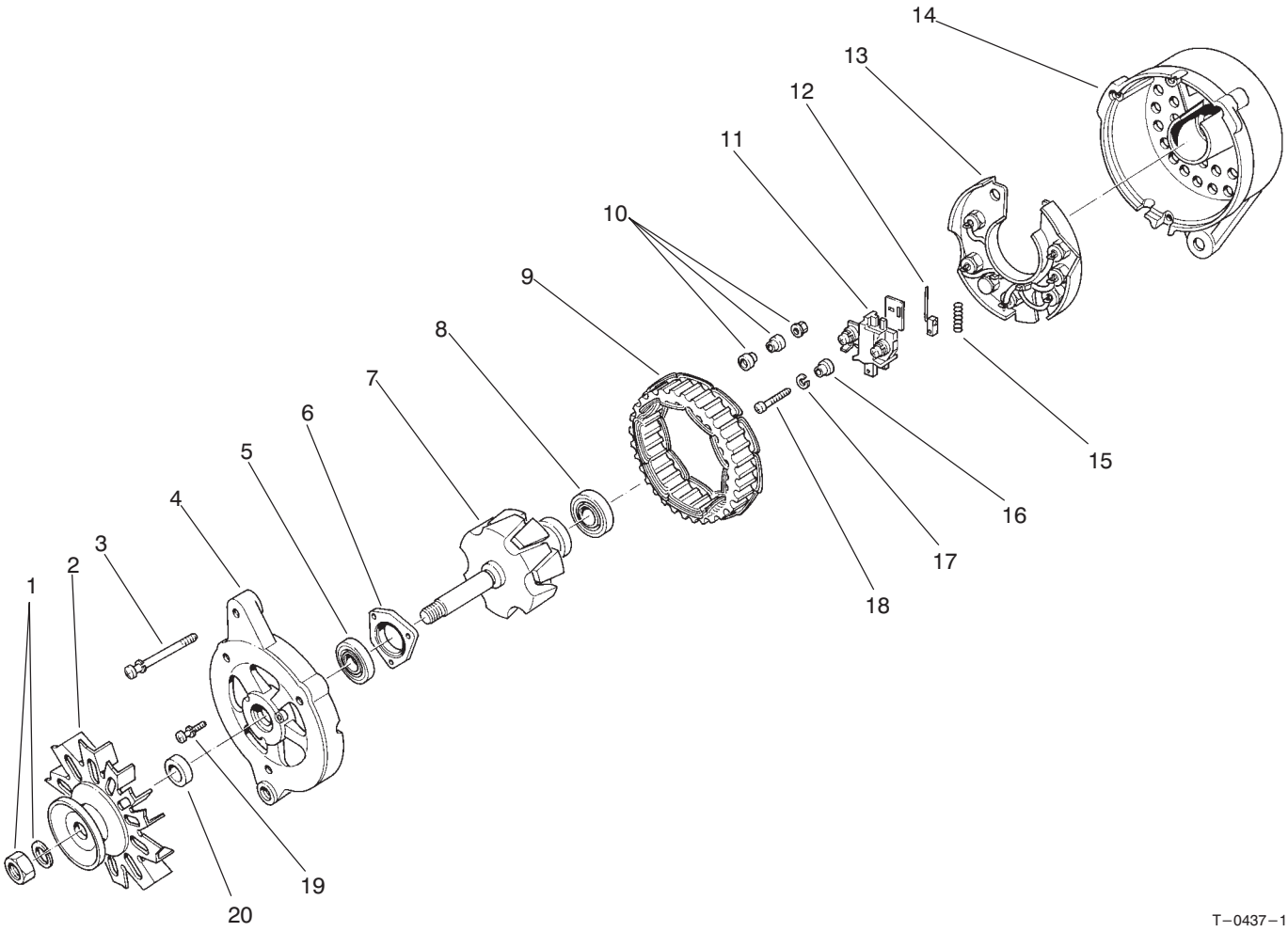



T−0436−1

# NOZZLE & HOLDER ASSEMBLY NO. 44−8070

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 44−8080 | Body | 3 |
| 2 | 42−8670 | Flange | 3 |
| 3 | 42−9680 | Washer 1.3 (.051 in.) | A/R |
| * | 42−9690 | Washer 1.35 (.053 in.) | A/R |
| * | 42−9700 | Washer 1.4 (.055 in.) | A/R |
| * | 42−9710 | Washer 0.9 (.035 in.) | A/R |
| * | 42−9720 | Washer 1.0 (.039 in.) | A/R |
| *3 | 42−9730 | Washer 1.1 (.043 in.) | A/R |
| * | 42−9740 | Washer 1.2 (.047 in.) | A/R |
| * | 42−9750 | Washer 0.1 (.004 in.) | A/R |
| 4 | 51−7500 | Spring − Pressure | 3 |
| 5 | 93−3181 | Pin − Pressure | 3 |
| 6 | 51−7520 | Piece − Distance | 3 |
| 7 | 42−8680 | Asm. − Nozzle | 3 |
| 8 | 42−8650 | Nut − Retaining | 3 |

*Not Illustrated

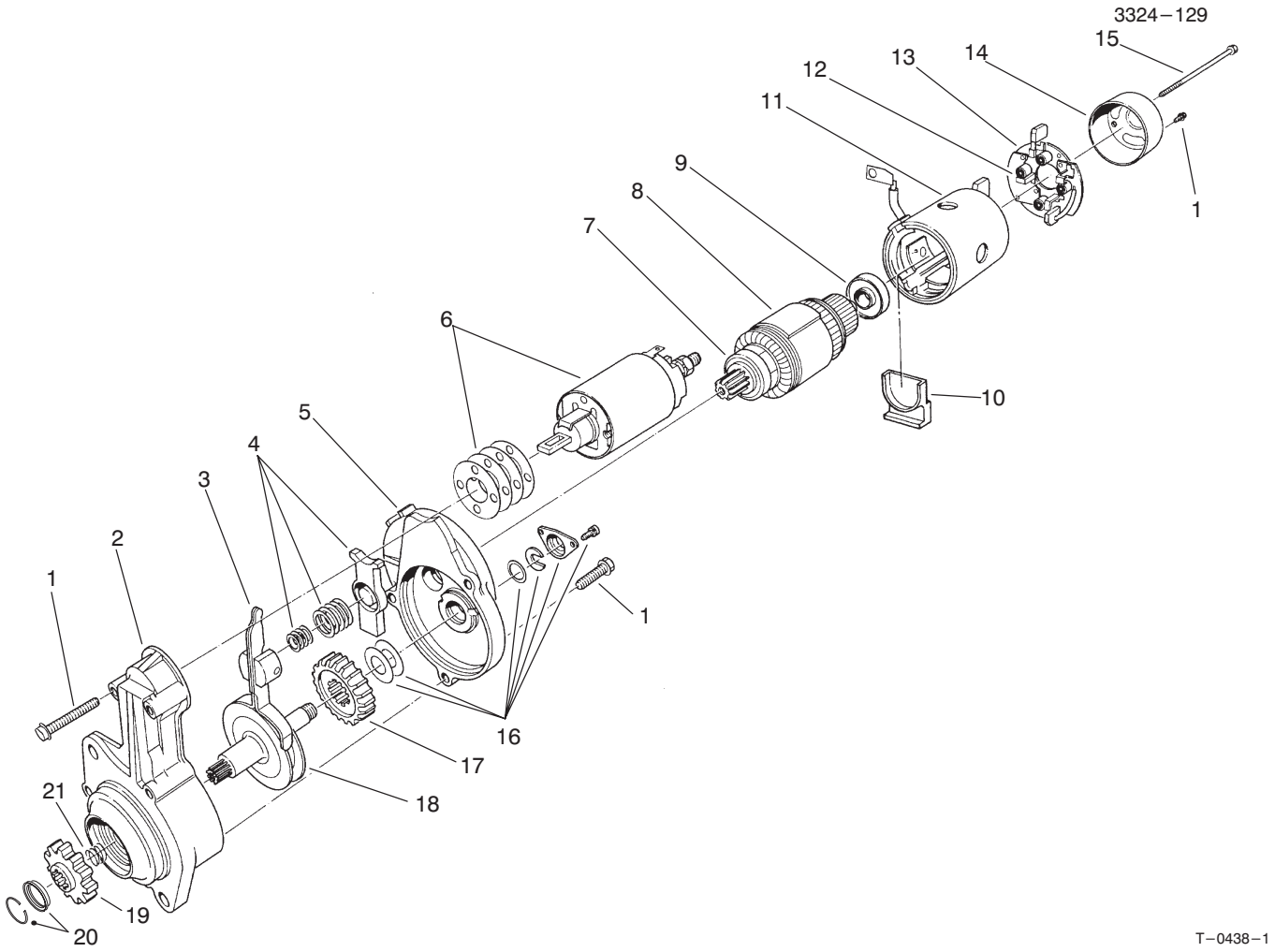



T−0437−1

# ALTERNATOR ASSEMBLY NO. 43−0390

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 51−7850 | Nut Set | 1 |
| 2 | 43−0420 | Asm. − Pulley (Incl. Ref. #20) | 1 |
| 3 | 43−0120 | Screw − Set | 1 |
| 4 | 43−0430 | Asm. − Bracket, Front (Incl. Ref. #5−6 & 19) | 1 |
| 5 | 70−3320 | Bearing − Front | 1 |
| 6 | | Plate − Bearing Retainer | 1 |
| 7 | 51−7910 | Asm. − Rotor (Incl. Ref. #8) | 1 |
| 8 | 51−7920 | Bearing − Rear | 1 |
| 9 | 43−0470 | Stator | 1 |
| 10 | 43−0080 | Nut − Set | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 11 | 43−0490 | Asm. − Holder, Brush (Incl. Ref. #12 & 15) | 1 |
| 12 | 43−0500 | Brush | 2 |
| 13 | 43−0520 | Asm. − Rectifier | 1 |
| 14 | 43−0480 | Asm. − Rear Bracket (Incl. Ref. #10−13 & 15−18) | 1 |
| 15 | 70−2810 | Spring − Brush | 1 |
| 16 | 43−2720 | Mold | 1 |
| 17 | 43−5920 | Washer − Lock | 1 |
| 18 | 93−3654 | Screw | 1 |
| 19 | 51−7890 | Screw − Set | 1 |
| 20 | | Collar − Shaft | 1 |



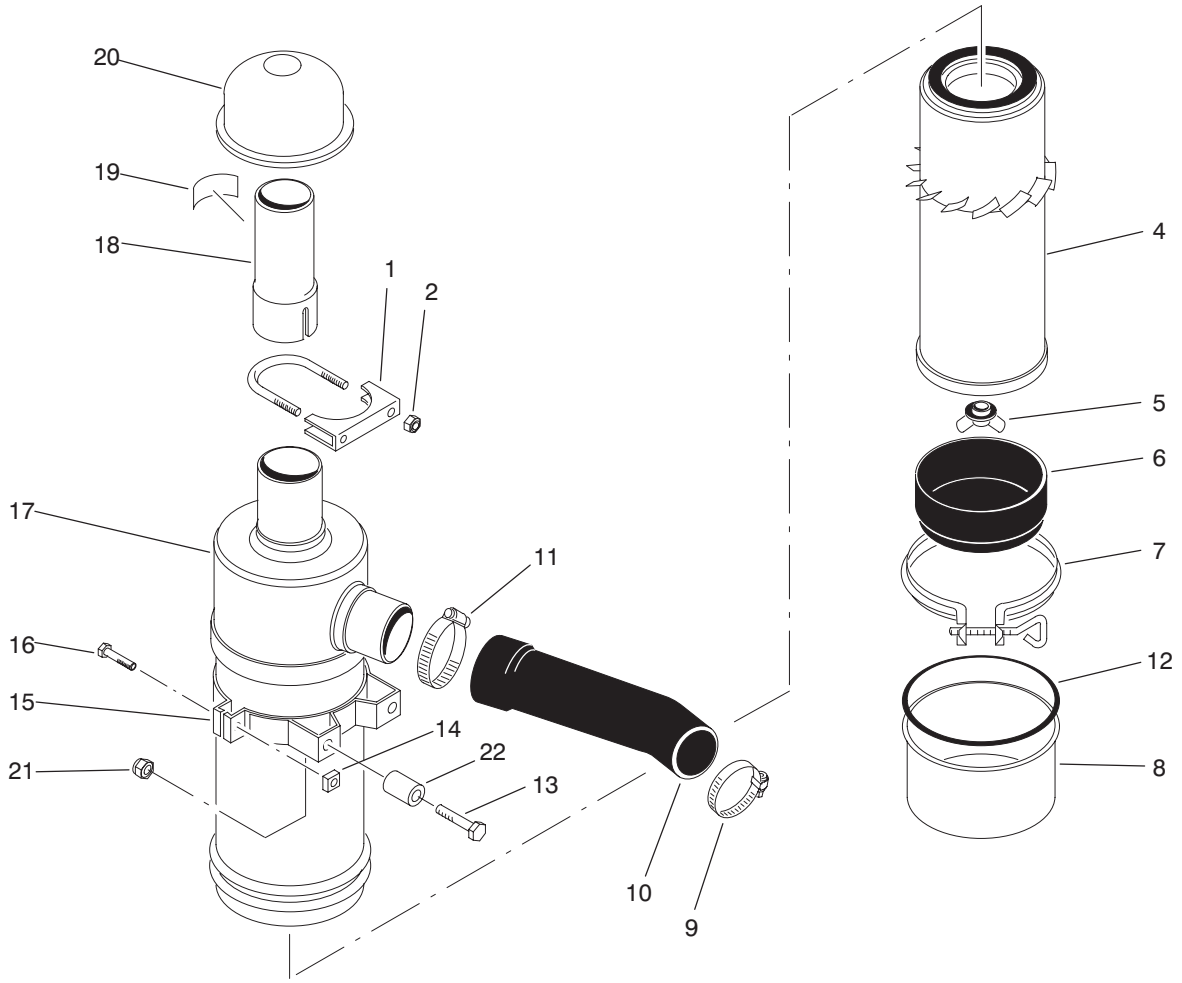

T–0438–1

# STARTER ASSEMBLY NO. 46–7610

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 93–3655 | Screw – Set | 1 |
| 2 | 46–7630 | Asm. – Bracket, Front | 1 |
| 3 | 46–7640 | Asm. – Lever | 1 |
| 4 | 43–0190 | Spring Set | 1 |
| 5 | 46–7650 | Asm. – Bracket, Center | 1 |
| 6 | 46–7660 | Asm. – Switch | 1 |
| 7 | 46–7680 | Bearing – Front | 1 |
| 8 | 46–7670 | Armature Set (Incl. Ref. #7 & 9) | 1 |
| 9 | 70–3330 | Bearing – Rear | 1 |
| 10 | 46–8050 | Packing | 1 |
| 11 | 46–7780 | Asm. – Yoke | 1 |
| 12 | 51–7820 | Spring – Brush | 4 |
| 13 | 51–7810 | Asm. – Brush Holder (Incl. Ref. #12) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 14 | 51–7830 | Bracket – Rear | 1 |
| 15 | 93–3687 | Bolt Set | 1 |
| 16 | 51–7780 | Cover Set | 1 |
| 17 | 46–7760 | Gear | 1 |
| 18 | 46–7750 | Asm. – Shaft, Pinion | 1 |
| 19 | 46–7720 | Pinion Set (Incl. Ref. #20) | 1 |
| 20 | 51–7740 | Stopper | 1 |
| 21 | | Spring | 1 |
| * | 46–7740 | Gear Set (Incl. Ref. #17 & 18) | 1 |
| * | 46–7710 | Asm. – Shaft, Clutch (Incl. Ref. #16–20) | 1 |

*Not Illustrated



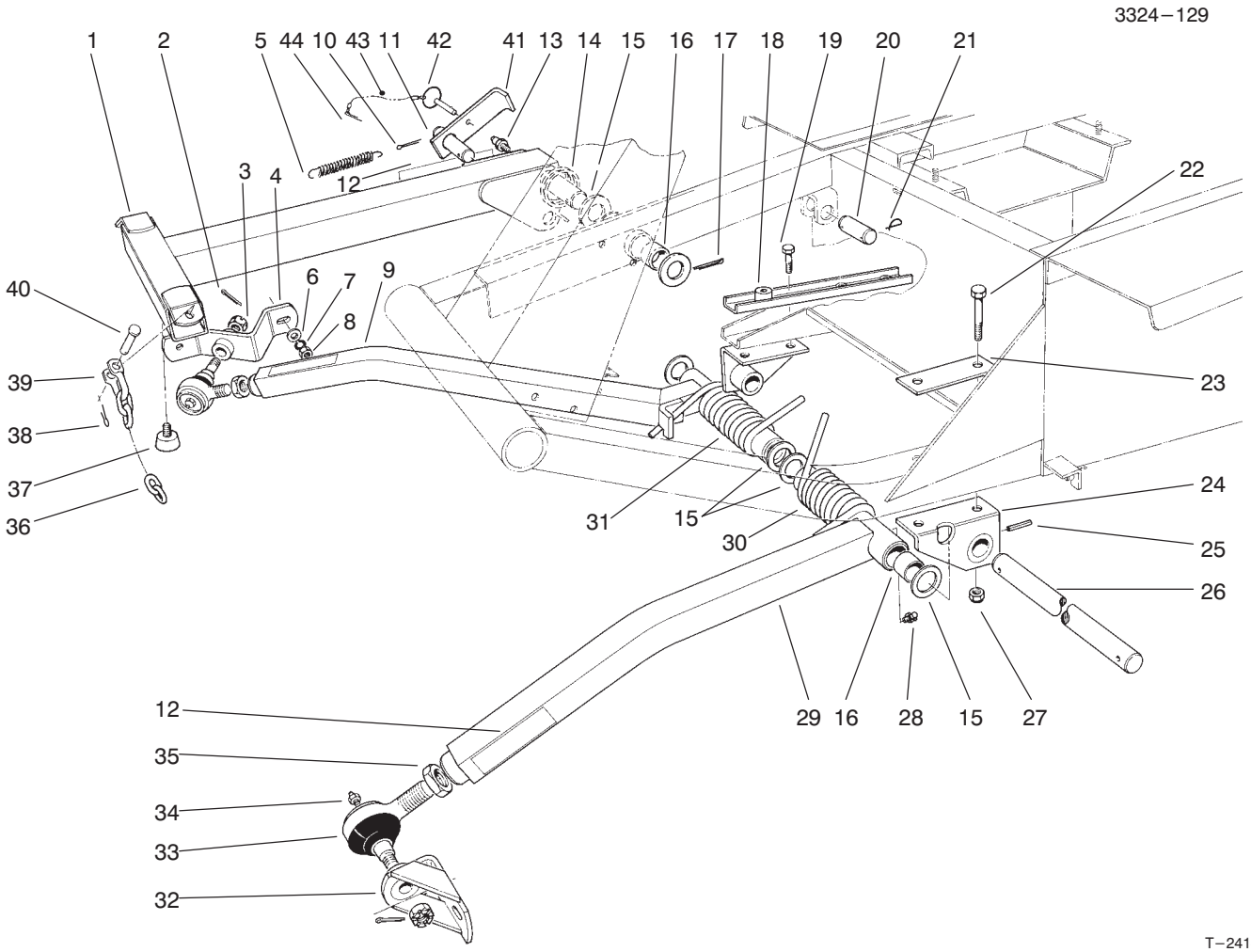

T−1188−2

# AIR CLEANER ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 20−4840 | Muffler Clamp (Incl. Ref. #2) | 1 |
| 2 | 3217−6 | Nut | 2 |
| 4 | 27−7110 | Asm. − Element | 1 |
| 5 | 27−7120 | Asm. − Nut & Gasket | 1 |
| 6 | 27−7140 | Skirt − Baffle | 1 |
| 7 | 27−7130 | Asm. − Clamp | 1 |
| 8 | 27−7150 | Asm. − Cup | 1 |
| 9 | 2412−3 | Hose − Clamp | 1 |
| 10 | 95−1836 | Hose − Air Cleaner | 1 |
| 11 | 2412−42 | Hose Clamp | 1 |
| 12 | 80−3330 | Gasket | 1 |
| 13 | 322−10 | Screw − HH | 4 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 14 | 32107−11 | Nut | 2 |
| 15 | 27−7170 | Asm. − Band (Incl. Ref. #14 & 16) | 2 |
| 16 | 3258−19 | Screw − Mach. Rd. Hd. | 2 |
| 17 | 27−7100 | Asm. − Air Cleaner (Incl. Ref. #3−8) | 1 |
| 18 | 44−8950 | Tube − Air Cleaner | 1 |
| 19 | 93−7275 | Decal − Starting Fluid | 1 |
| 20 | 27−7180 | Asm. − Cap, Air Inlet | 1 |
| 21 | 3296−29 | Nut − Lock | 4 |
| 22 | 77−3180 | Spacer | 4 |
| * | 95−3092 | 400 Hour Filter Kit (Incl. Ref. #4) | 1 |

*Not Illustrated




# PUSH ARM ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 66−6370 | Lift Arm | 1 |
| 2 | 3272−11 | Pin − Cotter | 2 |
| 3 | 32136−2 | Nut − Hex. Slotted | 2 |
| 4 | 21−3020 | Ball Joint Mount R.H. | 1 |
| 5 | 21−1830 | Spring − Tension | 1 |
| 6 | 3256−25 | Washer − Flat | 1 |
| 7 | 3253−6 | Washer − Lock | 2 |
| 8 | 3217−8 | Nut −Full | 2 |
| 9 | 66−7150 | Push Arm R.H. (Incl. Ref. #16 & 28) | 1 |
| 10 | 3272−24 | Pin − Cotter | 1 |
| 11 | 24−9510 | Pin | 1 |
| 12 | 93−6696 | Decal − Warning | 3 |
| 13 | 302−5 | Fitting − Grease | 1 |
| 14 | 46−8840 | Spring − Lift Arm | 1 |
| 15 | 5−1754 | Washer | 6 |
| 16 | 256−126 | Bushing | 6 |
| 17 | 3272−33 | Pin − Cotter | 1 |
| 18 | 93−7040 | Support Reinforcement | 1 |
| 19 | 324−4 | Screw − HH | 2 |
| 20 | 3−7292 | Pin | 1 |
| 21 | 5−3126 | Pin − Spring | 3 |
| 22 | 324−11 | Screw − HH | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 23 | 21−3750 | Plate − Support | 1 |
| 24 | 21−2860 | Bracket − Push Arm | 2 |
| 25 | 32121−84 | Pin − Roll | 2 |
| 26 | 21−2990 | Shaft − Pivot | 1 |
| 27 | 32128−42 | Nut − Flange | 4 |
| 28 | 302−33 | Fitting − Grease | 2 |
| 29 | 21−2960 | Push Arm L.H. (Incl. Ref. #16 & 28) | 1 |
| 30 | 21−2900 | Spring − Torsion L.H. | 1 |
| 31 | 21−2890 | Spring − Torsion R.H. | 1 |
| 32 | 21−3050 | Ball Joint Mount L.H. | 1 |
| 33 | 86−8100 | Asm. − Ball Joint | 2 |
| 34 | 302−5 | Fitting − Grease | 2 |
| 35 | 21−3000 | Nut − Jam | 2 |
| 36 | 3−1365 | Chain − Lift | 3 |
| 37 | 67−9800 | Bumper | 1 |
| 38 | 3272−10 | Pin − Cotter | 3 |
| 39 | 5−2942 | Shackle | 3 |
| 40 | 283−10 | Pin | 3 |
| 41 | 93−7650 | Lever − Locking | 1 |
| 42 | 93−7644 | Pin − Hitch | 1 |
| 43 | 28−8070 | Lanyard | 1 |
| 44 | 3272−7 | Pin − Cotter | 1 |

## PRODUCT CHANGES

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

## IDENTIFICATION AND ORDERING

**MODEL AND SERIAL NUMBERS**

The Groundsmaster 325D has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 325D – supply model and serial numbers to assure that correct information and replacement parts are obtained.

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

1. Model and serial number of the Groundsmaster 325D.
2. Part number – description – and the quantity of part(s) desired.

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

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