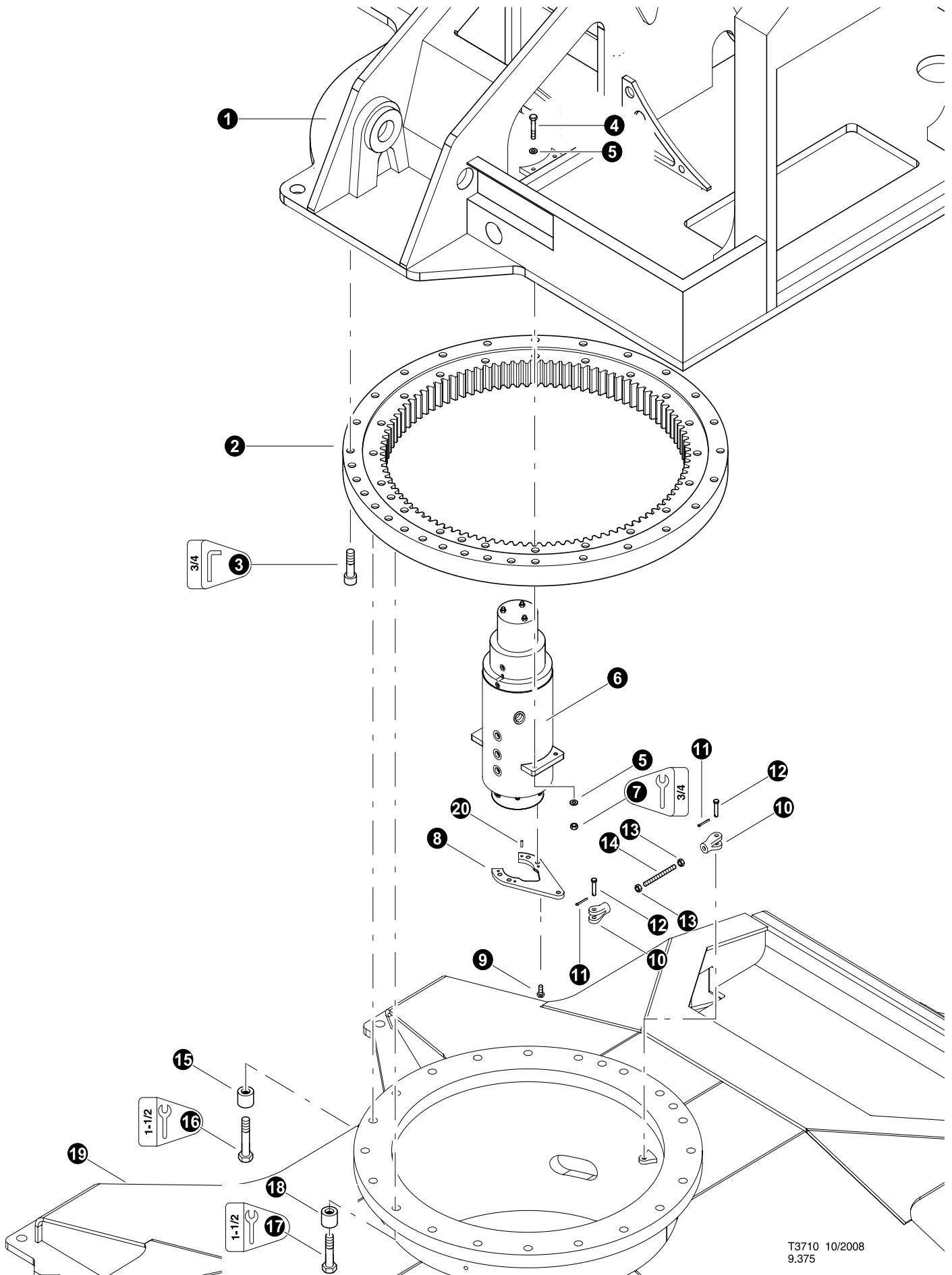


# **Section UP-1**




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## **Upper Turntable - Structural Components, Doors, and Covers**



T3710 10/2008  
9.375

## UPPER TURNTABLE INSTALLATION (Non-Leveling Machines)

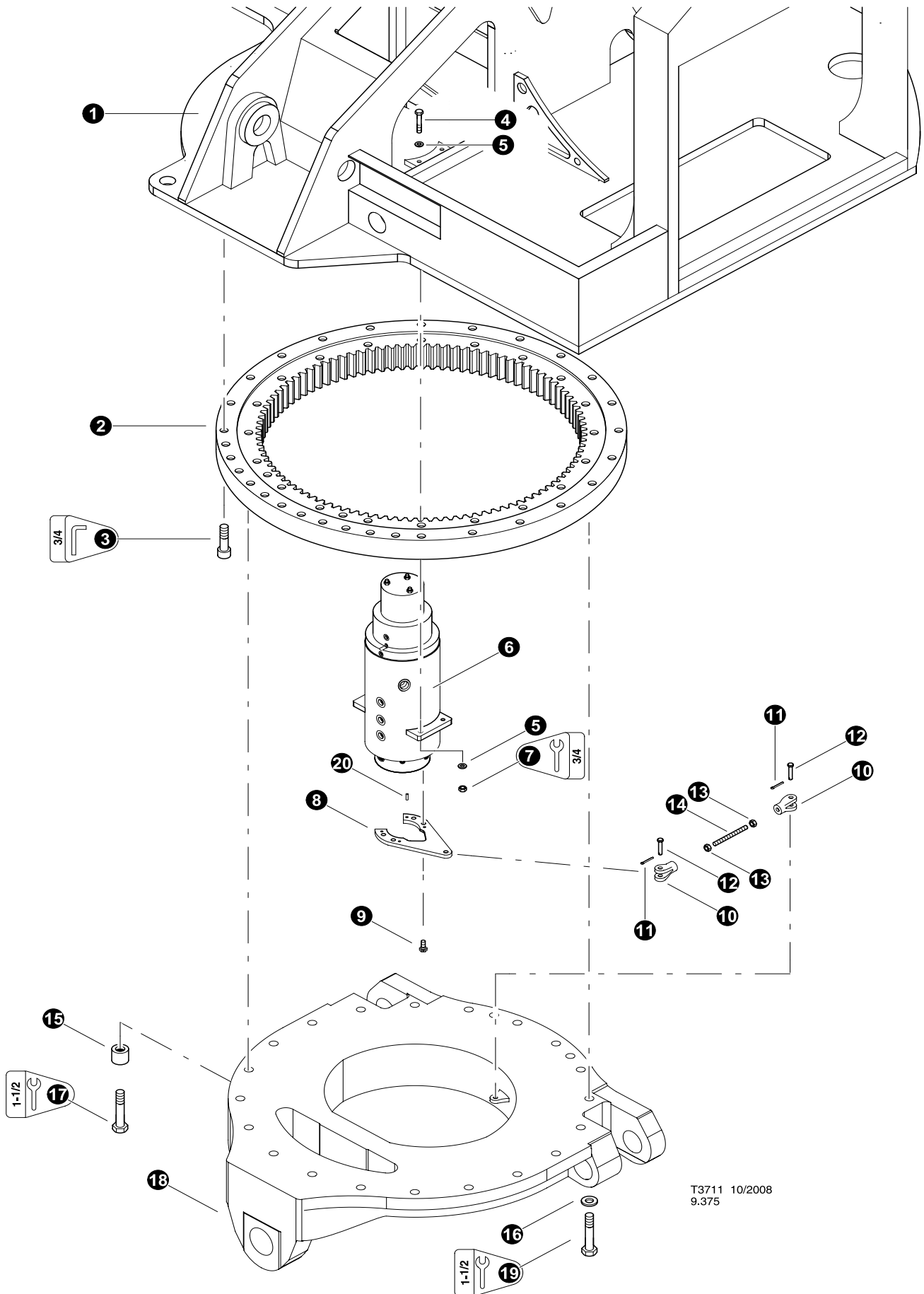
| REF | PART #     | QTY | DESCRIPTION   | SEE SECTION |
|-----|------------|-----|---|-------------|
| 1   | 52852TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK MACHINE<br>(Machine 8TF-0314 and TL725B-0026 and before)                                   |             |
| 1   | 53770TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK "FLUSH FRONT"<br>(Machines 0027-062609 until 0037-113009)                                  |             |
| 1   | 54024TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK "ECCENTRIC SWING"<br>(Machine 0038-123109 and after)                                       |             |
| 2   | 19631-UP   | 1   | BEARING, swing  |             |
| 3   | 51690-UP   | 30  | BOLT, ALLEN HEAD - 1" X 4.5" (Torque to 1000 ft.lbs (1355 Nm))  |             |
| 4   | 15565-UP   | 4   | BOLT - 1/2" x 2-1/2"  |             |
| 5   | 15534-UP   | 10  | WASHER, SAE flat - 1/2"   |             |
| 6   | REF.       | 1   |  ROTARY MANIFOLD .....                 | UP-1        |
| 7   | 10815-UP   | 4   | NUT, lock - 1/2"  |             |
| 8   | 53151-UP   | 1   | BRACKET, SWIVEL LOCK - TORQUE ARM T/M   |             |
| 9   | 20661-UP   | 2   | BOLT - 16MM-2.0P X 35MM (must drill hole in head for<br>safety wire)(See Note 1 Below)                                  |             |
|     | 22464-UP   | 10" | WIRE, safety - 16 gauge   |             |
| 10  | 52381-UP   | 2   |  YOKE, ROTARY MANIFOLD (810) 5/8 X 5/8 |             |
| 11  | -UP        | 2   | KEY, COTTER   |             |
| 12  | -UP        | 2   | PIN,  |             |
| 13  | 52395-UP   | 2   | NUT, JAM .63-18NF HEX (PLATED)  |             |
| 14  | 52394-UP   | 1   | STUD, 5/8"-18NF X 7.5 LG (ZINC PLATED)  |             |
| 15  | 12463-UP   | 12  | SPACER, bolt - Standard   |             |
| 16  | 50263-UP   | 12  | BOLT - 1" x 5.5" (Torque to 1000 ft.lbs (1350 Nm))  |             |
| 17  | 18535-UP   | 10  | BOLT - 1" x 5" (Torque to 1000 ft.lbs (1350 Nm))  |             |
| 18  | 53143-UP   | 10  | SPACER, BOLT - Short 1.50 LG (used in front and rear)   |             |
| 19  | REF.       | 1   |  NonLeveling Frame .....             | NV-1        |
| 20  | 52995-UP   | 3   | DOWEL, ROTARY MANIFOLD LOCK (2 PER)   |             |

 See reference page for component or assembly breakdown.

 Kit or Assembly - includes all items indented underneath.




### Note: 1

Use Loctite 272 (blue) during installation.



T3711 10/2008  
9.375

## UPPER TURNTABLE INSTALLATION (Leveling Machine)

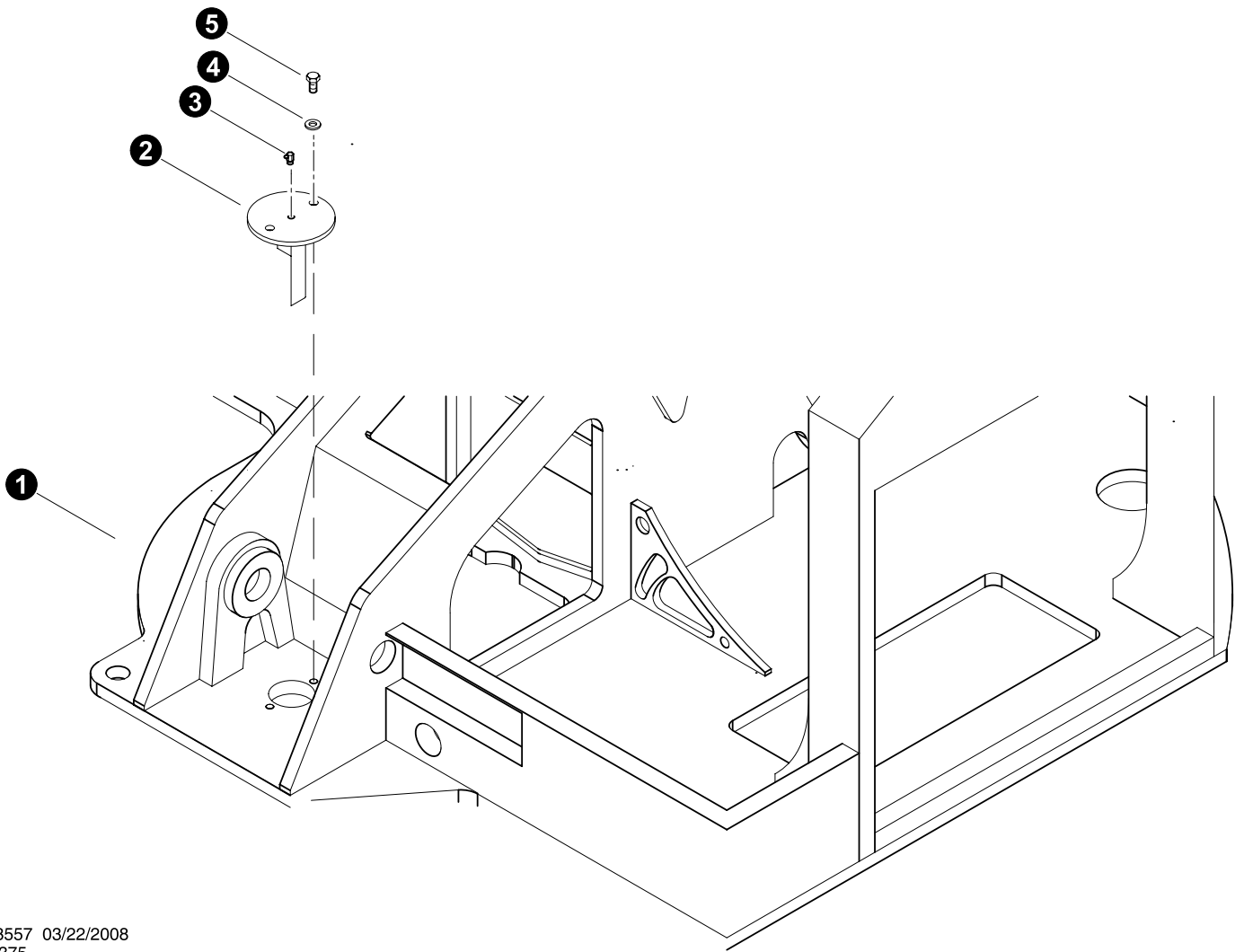
| REF | PART #     | QTY | DESCRIPTION  | SEE SECTION |
|-----|------------|-----|--|-------------|
| 1   | 52852TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK MACHINE<br>(Machine 8TF-0314 and TL725B-0026 and before)                                    |             |
| 1   | 53770TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK "FLUSH FRONT"<br>(Machines 0027-062609 until 0037-113009)                                   |             |
| 1   | 54024TK-UP | 1   | WELDMENT, UPPER T.T. - TRACK "ECCENTRIC SWING"<br>(Machine 0038-123109 and after)  |             |
| 2   | 19631-UP   | 1   | BEARING, swing   |             |
| 3   | 51690-UP   | 30  | BOLT, ALLEN HEAD - 1" X 4.5" (Torque to 1000 ft.lbs (1355 Nm))   |             |
| 4   | 15565-UP   | 4   | BOLT - 1/2" x 2-1/2"   |             |
| 5   | 15534-UP   | 10  | WASHER, SAE flat - 1/2"  |             |
| 6   | REF.       | 1   |  ROTARY MANIFOLD . . . . .              | UP-1        |
| 7   | 10815-UP   | 4   | NUT, lock - 1/2"   |             |
| 8   | 53151-UP   | 1   | BRACKET, SWIVEL LOCK - TORQUE ARM T/M  |             |
| 9   | 20661-UP   | 2   | BOLT - 16MM-2.0P X 35MM (must drill hole in head for<br>safety wire)(See Note 1 Below)                                   |             |
|     | 22464-UP   | 10" | WIRE, safety - 16 gauge  |             |
| 10  | 52381-UP   | 2   |  YOKE, ROTARY MANIFOLD (810) 5/8 X 5/8  |             |
| 11  | -UP        | 2   | KEY, COTTER  |             |
| 12  | -UP        | 2   | PIN,   |             |
| 13  | 52395-UP   | 2   | NUT, JAM .63-18NF HEX (PLATED)   |             |
| 14  | 52394-UP   | 1   | STUD, 5/8"-18NF X 7.5 LG (ZINC PLATED)   |             |
| 15  | 12463-UP   | 10  | SPACER, bolt - Standard  |             |
| 16  | 18532-UP   | 12  | WASHER, SAE FLAT THICK - 1"  |             |
| 17  | 50263-UP   | 10  | BOLT - 1" x 5.5" (Torque to 1000 ft.lbs (1350 Nm))   |             |
| 18  | REF.       | 1   |  LOWER TURNTABLE - LEVELING . . . . . | LV          |
| 19  | -UP        | 12  | BOLT - 1" x 8.5" (Torque to 1000 ft.lbs (1350 Nm))   |             |
| 20  | 52995-UP   | 3   | DOWEL, ROTARY MANIFOLD LOCK (2 PER)  |             |

 See reference page for component or assembly breakdown.

 Kit or Assembly - includes all items indented underneath.


### Note: 1



Use Loctite 272 (blue) during installation.



T3557 03/22/2008  
9.375

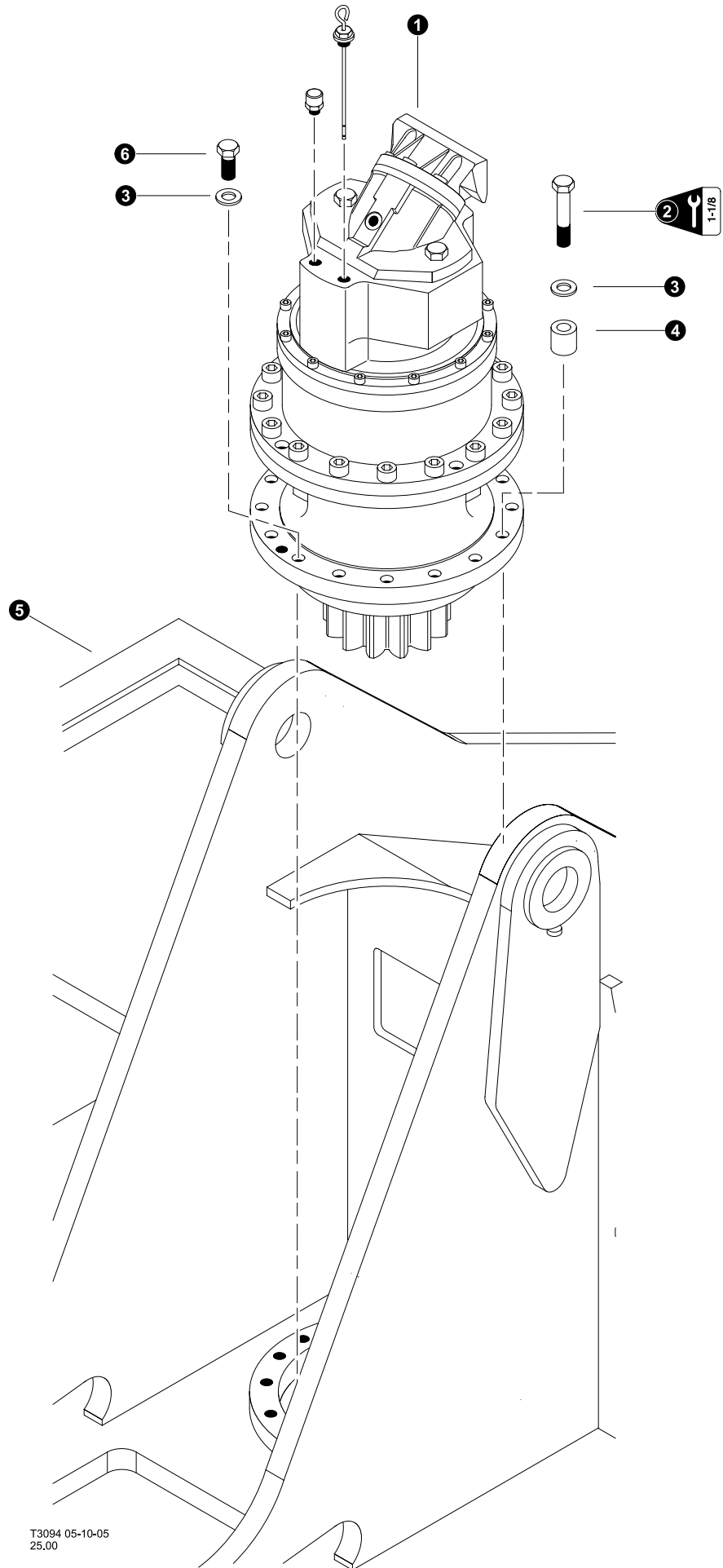
## UPPER TURNTABLE INSTALLATION (Swing Bearing Grease Line)

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT ..... | UP-1        |
| 2   | 17612-UP | 1   | CUP, BULL GEAR GREASE - WIDE GEAR  |             |
| 3   | 15662-UP | 1   | FITTING, GREASE - .25-28" - 90   |             |
| 4   | 15528-UP | 2   | WASHER, SAE FLAT - .375"   |             |
| 5   | 15542-UP | 2   | BOLT - .375" X .75"  |             |

-  See reference page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.

**Note: 1**

Use Loctite 272 (blue) during installation.





T3094 05-10-05  
25.00



## SWING MOTOR INSTALLATION (Lohmann/Rexroth)

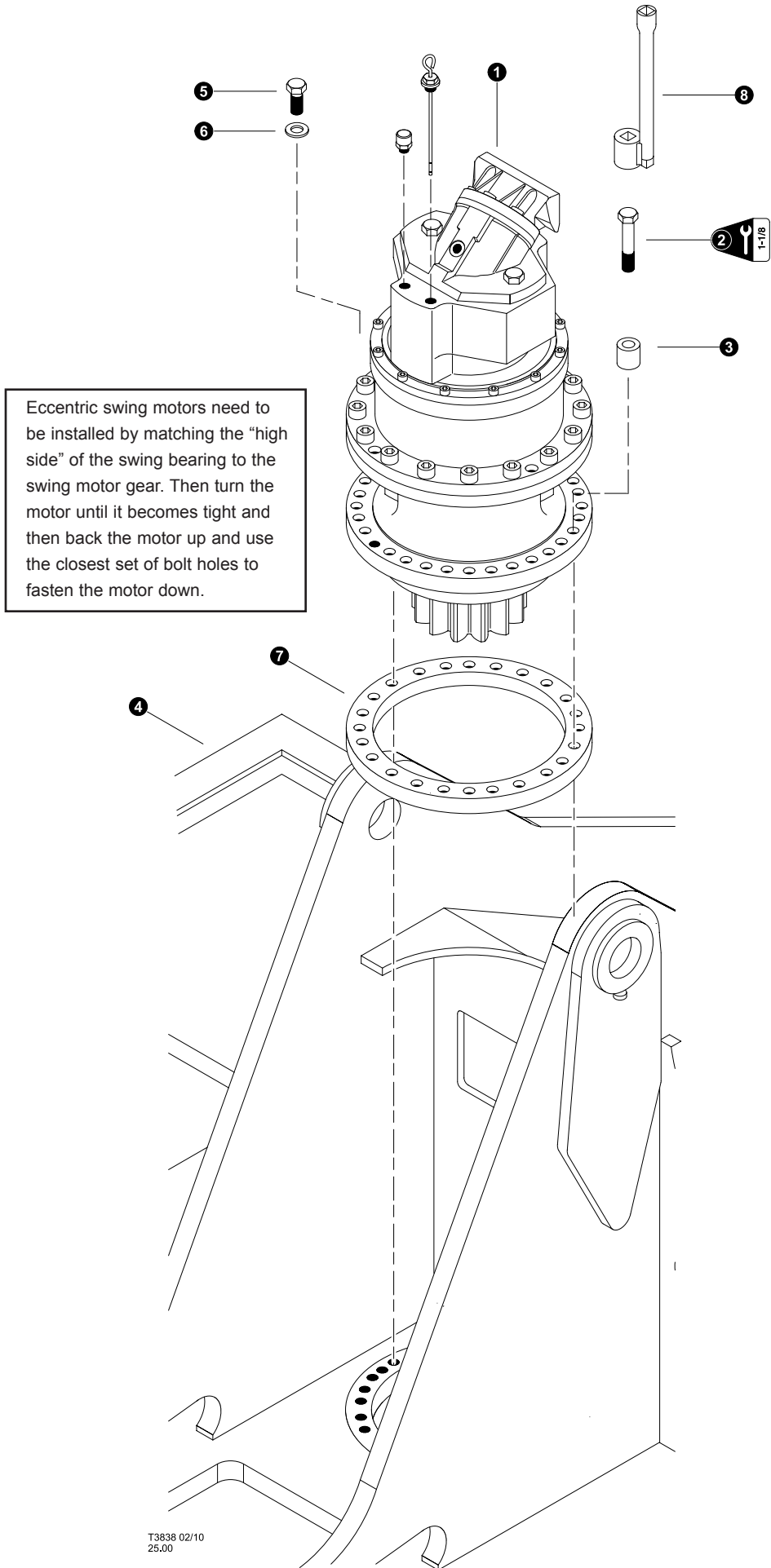
**Machines built before 0037-113009**

| REF | PART #   | QTY | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   | REF.     | 1   |  SWING MOTOR - Lohmann/Rexroth . . . . . | LH,HH       |
| 2   | 10720-UP | 15  | BOLT - 5/8" x 3" (Torque to 230 ft.lbs (310 Nm)) (see note 1)   |             |
| 3   | 10771-UP | 16  | WASHER, SAE flat - 5/8"   |             |
| 4   | 19242-UP | 15  | SPACER, bolt  |             |
| 5   | REF.     | 1   |  UPPER TURNTABLE WELDMENT . . . . .      | UP-1        |
| 6   | 15502-UP | 1   | BOLT - .625" X 1.5" (See Note 1 Below)  |             |

 See reference page for component or assembly breakdown.



**Note: 1**

Use Loctite 272 (red - high strength) during installation.




## SWING MOTOR INSTALLATION (Lohmann/Rexroth)

**Machines built before 0038-123109**

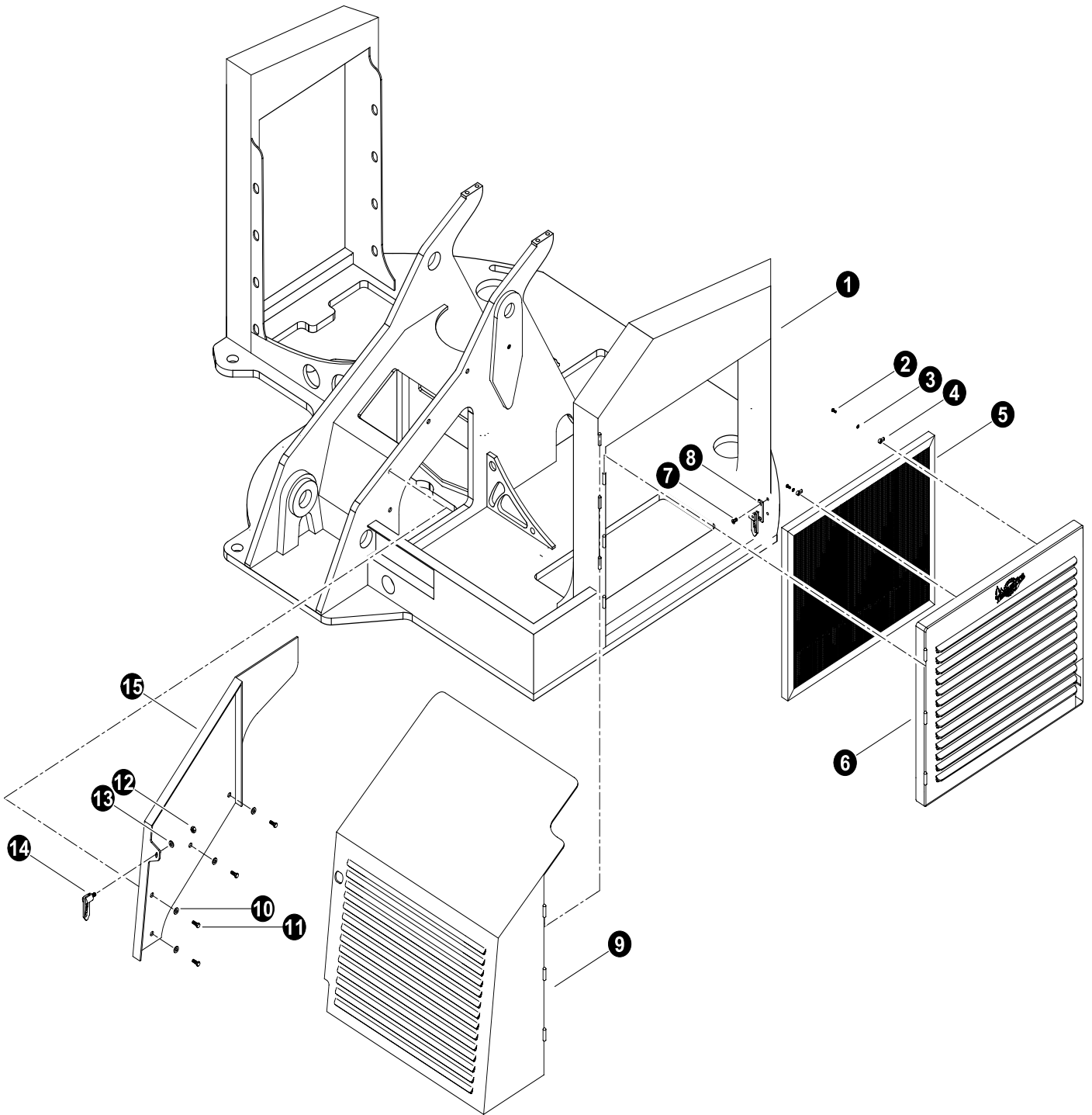
| REF | PART #   | QTY | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   | REF.     | 1   |  SWING MOTOR - Lohmann/Rexroth . . . . . | LH,HH       |
| 2   | 10720-UP | 23  | BOLT - 5/8" x 3.75" (Torque to 230 ft.lbs (310 Nm)) (see note 1)  |             |
| 3   | 19242-UP | 23  | SPACER, bolt  |             |
| 4   | REF.     | 1   |  UPPER TURNTABLE WELDMENT . . . . .      | UP-1        |
| 5   | 15517-UP | 1   | BOLT - .625" X 2.5" (Torque to 230 ft.lbs (310 Nm)) (see note 1)  |             |
| 6   | 10771-UP | 1   | WASHER, SAE flat - 5/8"   |             |
| 7   | 54026-UP | 1   | SPACER, SWING MOTOR   |             |
| 8   | -UP      | 1   | TOOL, Swing Motor Torque Socket   |             |

Special Note:

 See reference page for component or assembly breakdown.


**Note: 1**

Use Loctite 272 (red - high strength) during installation.



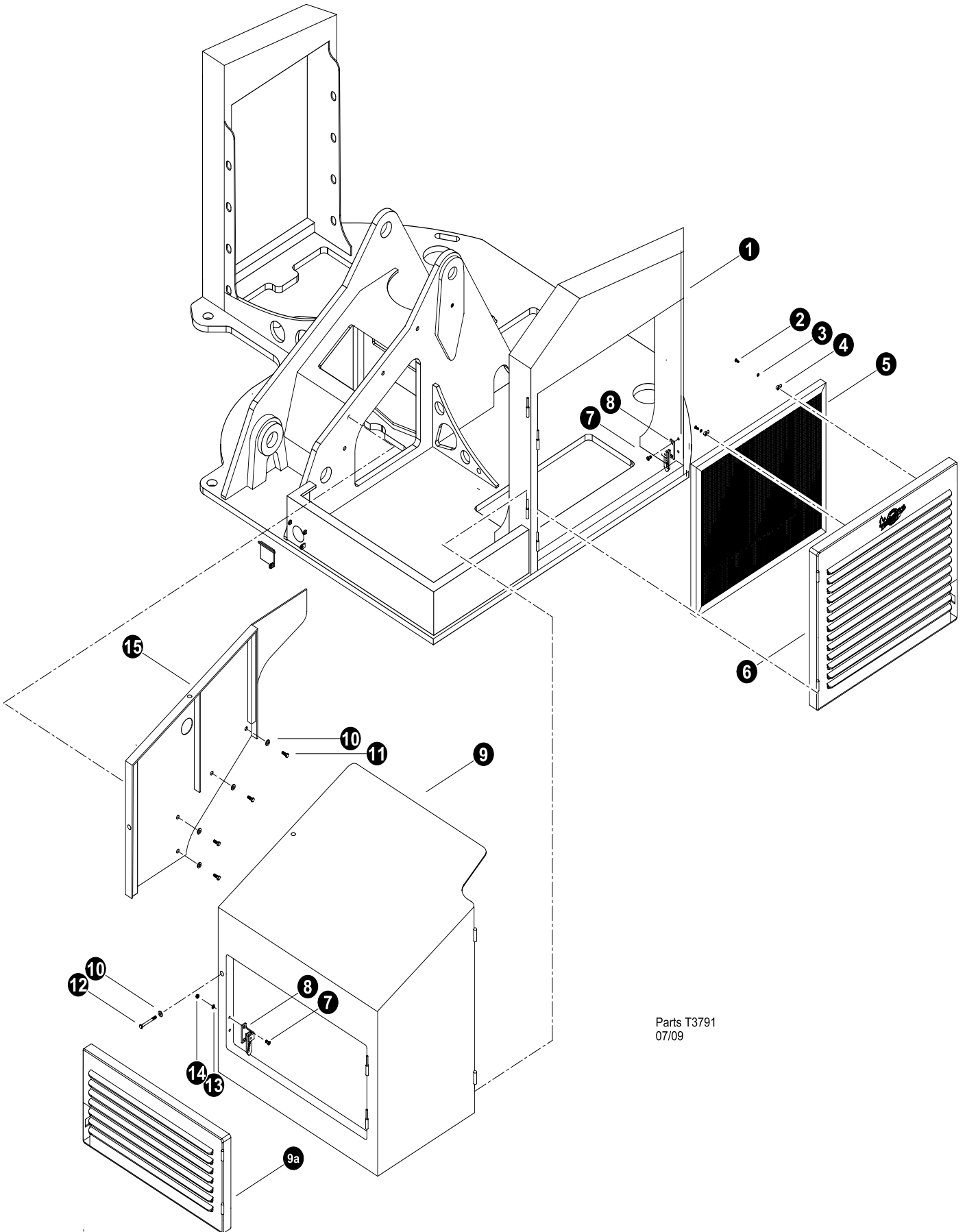
Parts T3558  
03/19/08

**UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION**  
**(Front Door and Side Radiator Door Install)**  
**(Machine 8TF-0314 and TL725B-0026 and before)**

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT ..... | UP-1        |
| 2   | 15576-UP | 2   | BOLT - .25" X 1"   |             |
| 3   | 10757-UP | 4   | WASHER, SAE FLAT - .25"  |             |
| 4   | 24542-UP | 2   | LATCH, SCREEN (RADIATOR)   |             |
| 5   | 52201-UP | 1   | SCREEN, RADIATOR 630/810/830   |             |
| 6   | 52980-UP | 1   | DOOR, - RADIATOR   |             |
| 7   | 51850-UP | 2   | BOLT, CAM LATCH - FHSCS 3/8 - 16 X 1 ZB  |             |
| 8   | 51657-UP | 1   | LATCH, CAM - DOOR R.H. (RADIATOR-GULLW)  |             |
| 9   | 52926-UP | 1   | DOOR, FRONT SWING OUT +3   |             |
| 10  | 15528-UP | 4   | WASHER, SAE FLAT - .375"   |             |
| 11  | 11707-UP | 4   | BOLT - .375" X 1"  |             |
| 12  | 10815-UP | 1   | NUT, LOCK - .5"  |             |
| 13  | 10804-UP | 3   | WASHER, flat - 1/2"  |             |
| 14  | 51883-UP | 1   | LATCH, CAM - 1.5" FRONT DOOR 630/830   |             |
| 15  | 53054-UP | 1   | PANEL, INSIDE FRONT DOOR   |             |




See reference page for component or assembly breakdown.

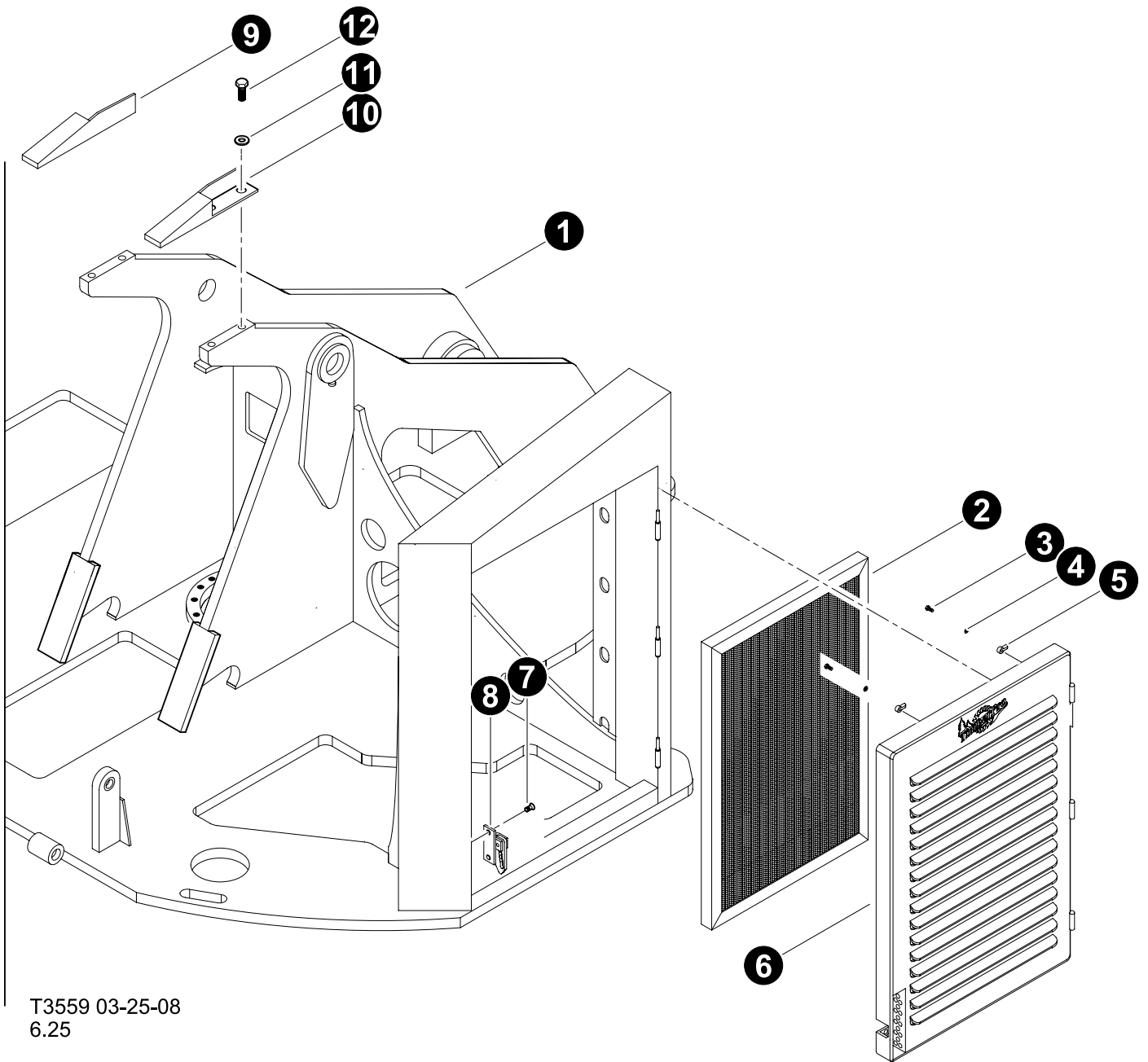


Parts T3791  
07/09

**UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION**  
**(Front Door and Side Radiator Door Install)**  
**(Machine TL725B-0027 and anything built after 07/16/09)**

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT ..... | UP-1        |
| 2   | 15576-UP | 2   | BOLT - .25" X 1"   |             |
| 3   | 10757-UP | 4   | WASHER, SAE FLAT - .25"  |             |
| 4   | 24542-UP | 2   | LATCH, SCREEN (RADIATOR)   |             |
| 5   | 52201-UP | 1   | SCREEN, RADIATOR 630/810/830   |             |
| 6   | 52980-UP | 1   | DOOR, - RADIATOR   |             |
| 7   | 51850-UP | 2   | BOLT, CAM LATCH - FHSCS 3/8 - 16 X 1 ZB  |             |
| 8   | 51657-UP | 1   | LATCH, CAM - DOOR R.H. (RADIATOR-GULLW)  |             |
| 9   | 53878-UP | 1   | DOOR, FRONT SWING OUT-FLUSH FRONT UPPER  |             |
| 9a  | 53879-UP | 1   | DOOR, FRONT LOUVERD-FLUSH FRONT UPPER  |             |
| 10  | 15528-UP | 4   | WASHER, SAE FLAT - .375"   |             |
| 11  | 11707-UP | 4   | BOLT - .375" X 1"  |             |
| 12  | 10834-UP | 2   | BOLT - .5" X 4"  |             |
| 13  | 15528-UP | 2   | WASHER, SAE FLAT - .375"   |             |
| 14  | -UP      | 1   | LATCH, CAM - 1.5" FRONT DOOR 630/830   |             |
| 15  | 53877-UP | 1   | PANEL, INSIDE FRONT DOOR-FLUSH FRONT UPPER   |             |


 See reference page for component or assembly breakdown.



T3559 03-25-08  
6.25

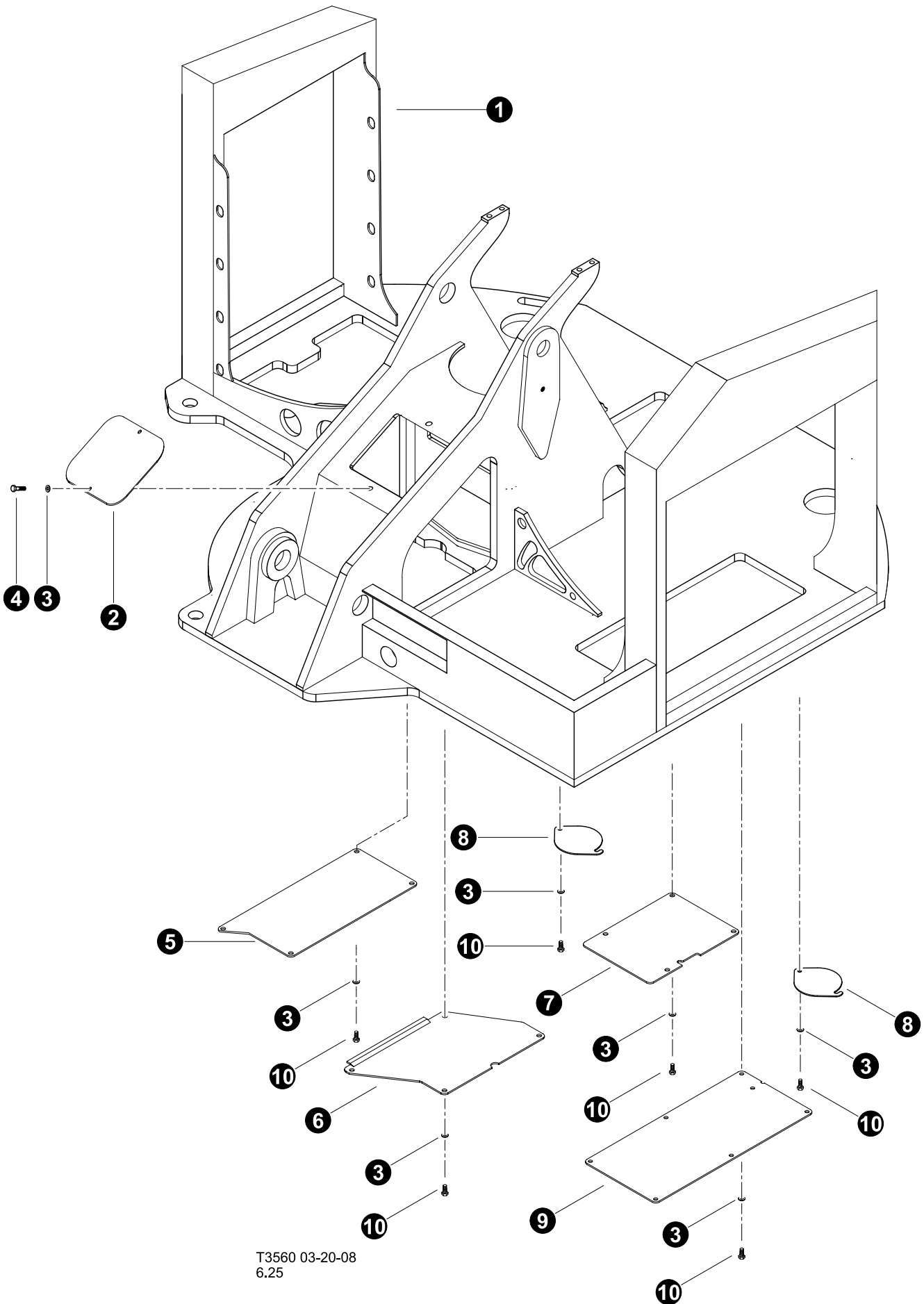


## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Rear Panels and Oil Cooler Door Installation)

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT ..... | UP-1        |
| 2   | 52200-UP | 1   | SCREEN, OIL COOLER 630/810/830   |             |
| 3   | 15576-UP | 2   | BOLT - .25" X 1"   |             |
| 4   | 10757-UP | 4   | WASHER, SAE FLAT - .25"  |             |
| 5   | 24542-UP | 2   | LATCH, SCREEN (Oil Cooler)   |             |
| 6   | 51660-UP | 1   | DOOR, OIL COOLER   |             |
| 7   | 51850-UP | 2   | BOLT, CAM LATCH - FHSCS 3/8 - 16 X 1 ZB  |             |
| 8   | 51658-UP | 1   | LATCH, CAM - DOOR L.H. (OIL COOLER)  |             |
| 9   | 53131-UP | 1   | WEDGE, GULLWING STOP R.H.  |             |
| 10  | 53132-UP | 1   | WEDGE, GULLWING STOP L.H.  |             |
| 11  | 10771-UP | 4   | WASHER, SAE FLAT - .625"   |             |
| 12  | 15502-UP | 4   | BOLT - .625" X 1.5"  |             |




See reference page for component or assembly breakdown.

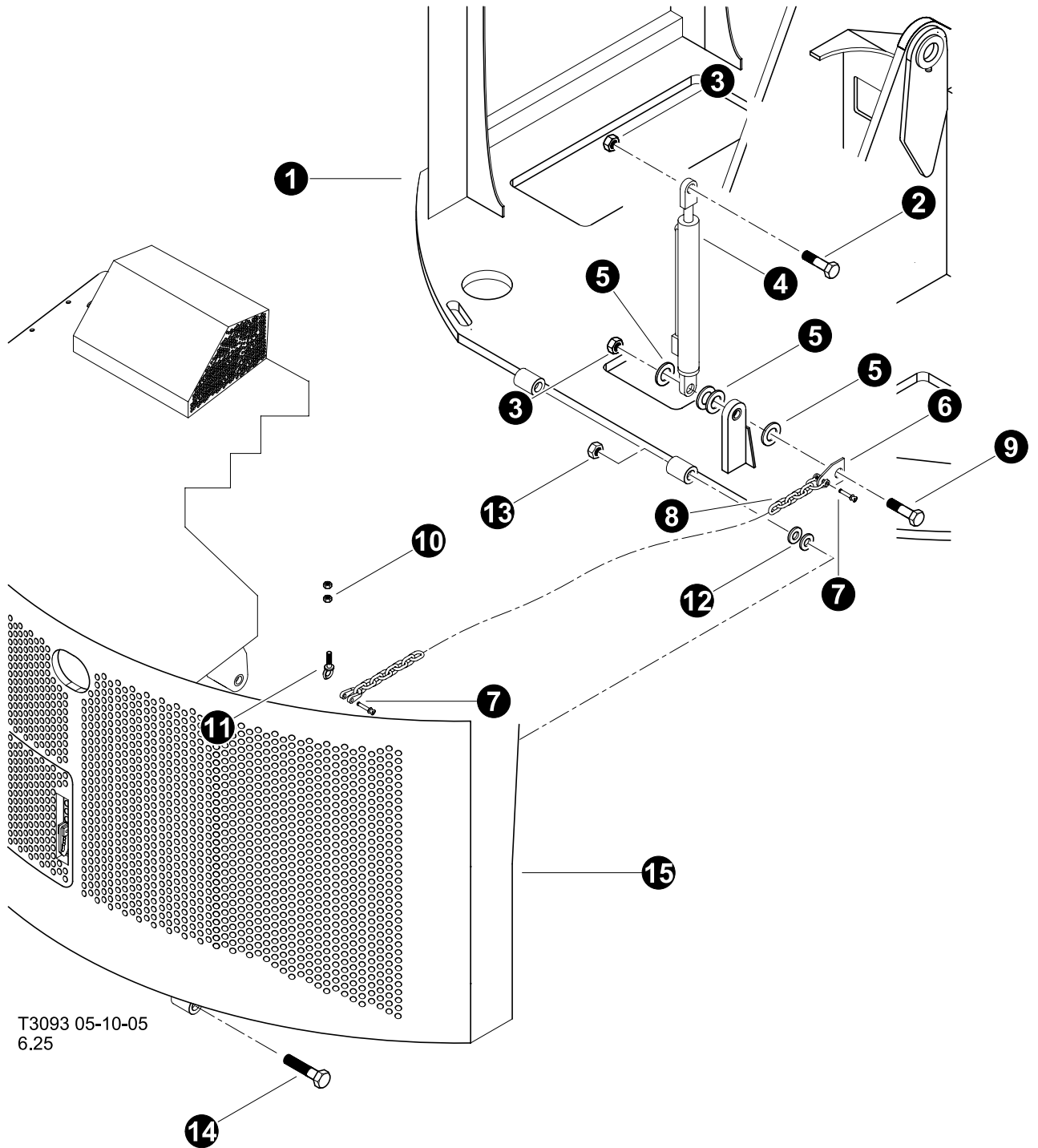


T3560 03-20-08  
6.25




## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (COVER INSTALLATIONS)

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT ..... | UP-1        |
| 2   | 40894-UP | 1   | COVER, RISER   |             |
| 3   | 15534-UP | 24  | WASHER, SAE flat - 1/2"  |             |
| 4   | 10739-UP | 2   | BOLT - 1/2" x 1-1/2"   |             |
| 5   | 52895-UP | 1   | COVER, OIL COOLER OUTSIDE - BOTTOM   |             |
| 6   | 52894-UP | 1   | COVER, OIL COOLER INSIDE BOTTOM  |             |
| 7   | 52896-UP | 1   | COVER, REAR BOOM BOTTOM  |             |
| 8   | 12150-UP | 2   | COVER, ACCESS - RAD FILL / STEER CYL   |             |
| 9   | 51946-UP | 1   | COVER, RADIATOR BOTTOM   |             |
| 10  | 10783-UP | 22  | BOLT - .5" X 1"  |             |

 See reference page for component or assembly breakdown.



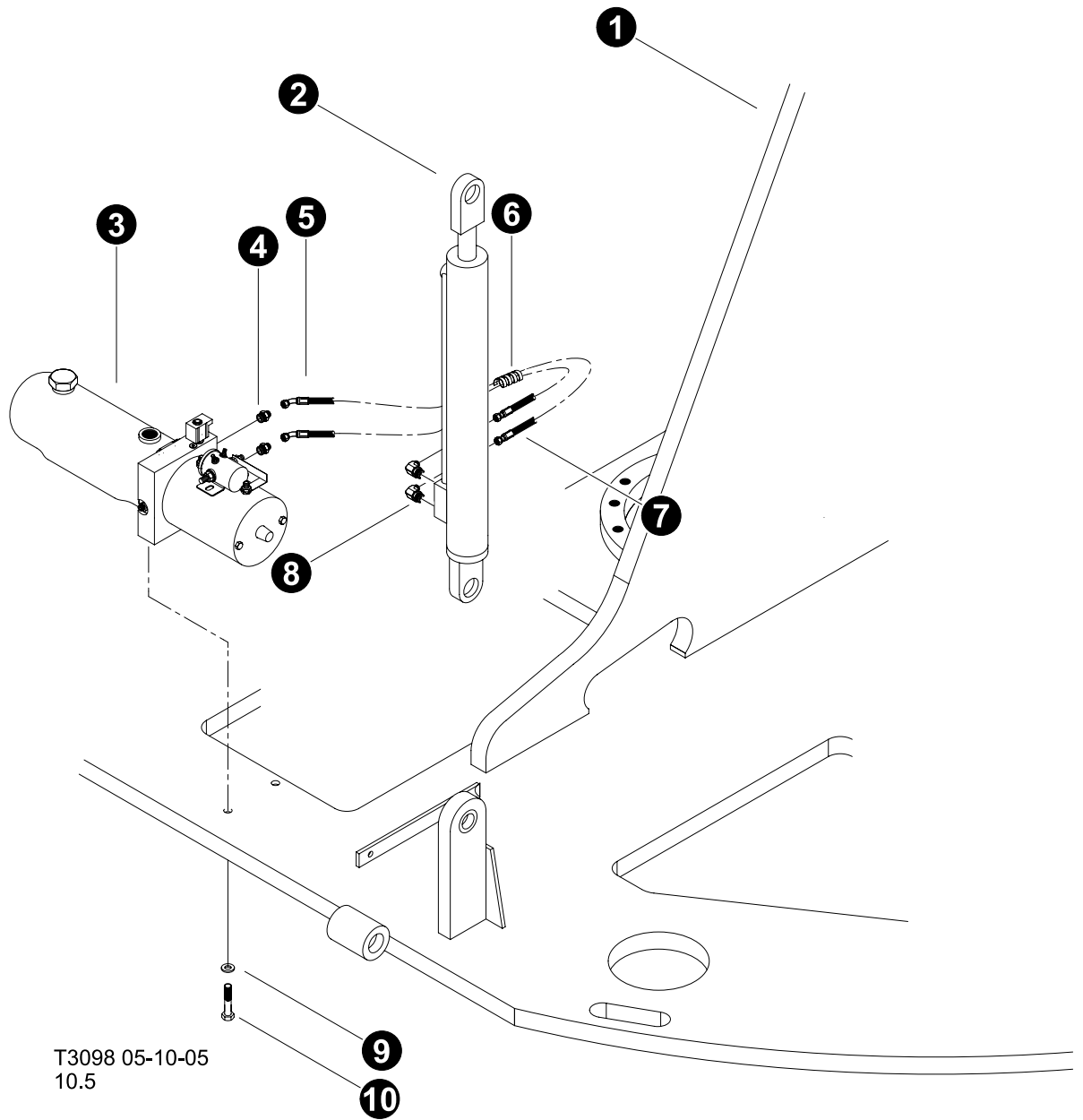
## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Door Installation)

| REF | PART #   | QTY | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   | REF.     | 1   |  UPPER TURNTABLE WELDMENT .....  | UP-1        |
| 2   | 52025-UP | 1   | BOLT, GULLWING CYL. - 1.25" - 7 X 7"  |             |
| 3   | 52026-UP | 2   | NUT,HEX GULLWING CYL. - 1.25" - GRD 9 (See Note1)   |             |
| 4   | REF.     | 1   |  GULL WING CYLINDER.....         | UP-1        |
| 5   | 22531-UP | 4   | WASHER, SAE FLAT - 1.25"  |             |
| 6   | 52844-UP | 1   | LINK, GULLWING SAFETY CHAIN   |             |
| 7   | 51936-UP | 2   | CLEVIS, 3/8" - GULLWING   |             |
| 8   | 51934-UP | 1   | CHAIN, 35 LINK - GULLWING   |             |
| 9   | 52024-UP | 1   | BOLT, GULLWING CYL. - 1.25" - 5.5"  |             |
| 10  | 10711-UP | 2   | NUT, HEX - .5"  |             |
| 11  | 51935-UP | 1   | BOLT, EYE - LIFT .5" - GULLWING   |             |
| 12  | 15579-UP | 4   | WASHER, SAE FLAT - 1"   |             |
| 13  | 18253-UP | 2   | NUT, LOCK - 1"  |             |
| 14  | 18529-UP | 2   | BOLT - 1" X 9" (Cut down to 7.5")   |             |
| 15  | REF      | 1   |  DOOR, GULLWING - ASSEMBLY ..... | UP-1        |




 See reference page for component or assembly breakdown.

**Note: 1**

Use Loctite 272 (blue) during installation.



## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Lift Pump Installation)

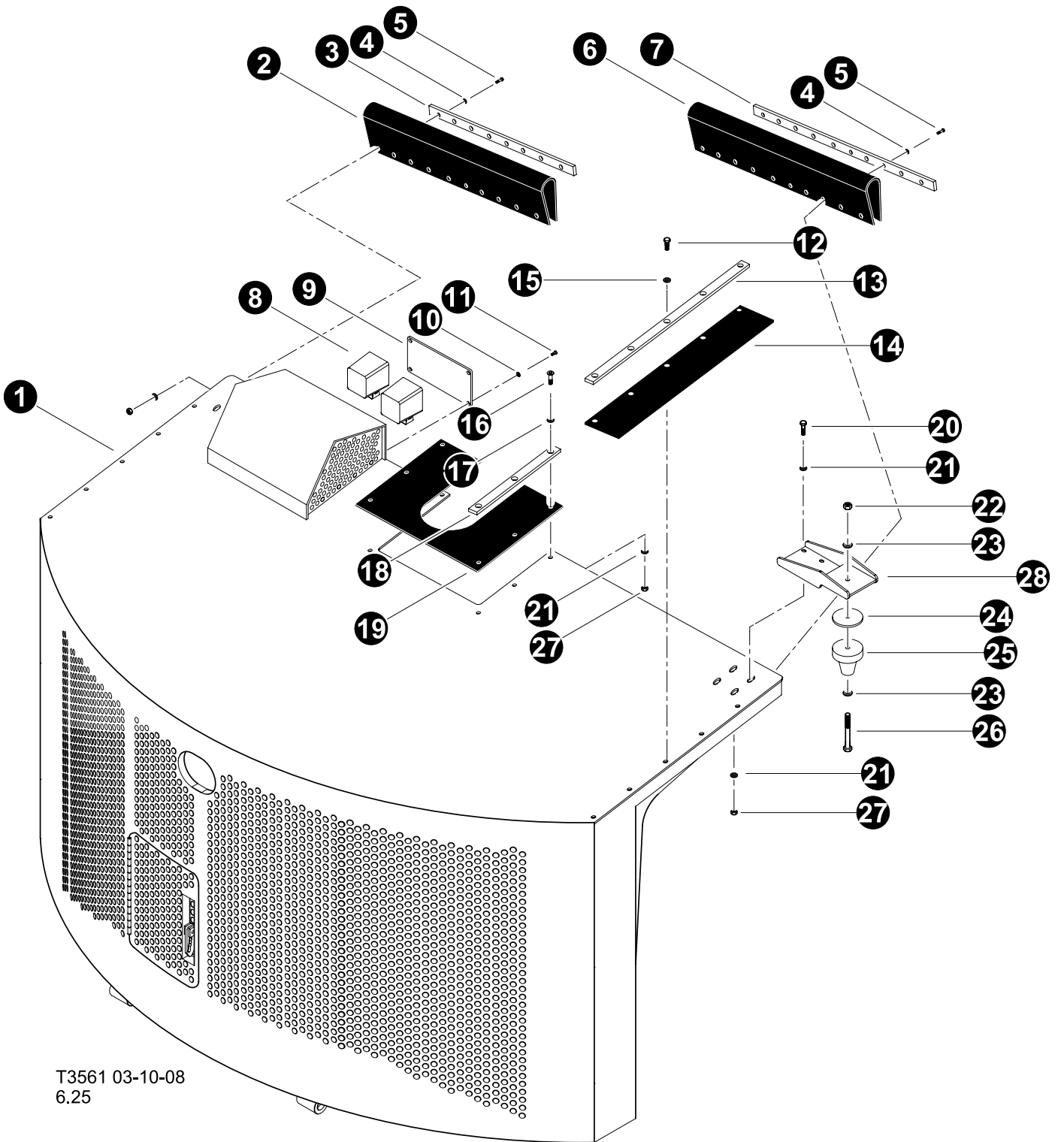
| REF | PART #   | QTY |   | DESCRIPTION                           | SEE SECTION |
|-----|----------|-----|---|---------------------------------------|-------------|
| 1   | REF.     | 1   |  | UPPER TURNTABLE WELDMENT .....        | UP-1        |
| 2   | REF.     | 1   |  | GULL WING CYLINDER. ....              | UP-1        |
| 3   | 51577-UP | 1   |   | PUMP, POWER UNIT - GULL WING          |             |
| 4   | 15124-UP | 2   |   | CONNECTOR, STR - FF1852T-0406S        |             |
| 5   | 50606-UP | 1   |   | HOSE ASSEMBLY - 2043-04OS-0404        |             |
| 6   | 20843-UP | 3ft |  | PROTECTOR, HOSE - SPRIAL (.78")(BULK) |             |
| 7   | 50606-UP | 1   |   | HOSE ASSEMBLY - 2043-04OS-0404        |             |
| 8   | 15133-UP | 2   |   | ELBOW, 90 - FF1868T-0406S             |             |
| 9   | 15528-UP | 2   |   | WASHER, SAE FLAT - .375"              |             |
| 10  | 15529-UP | 2   |   | BOLT - .375" X 2"                     |             |



See reference page for component or assembly breakdown.



Item sold in bulk (per foot). Please specify on order amount needed.



T3561 03-10-08  
6.25



## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Assembly and Installation)

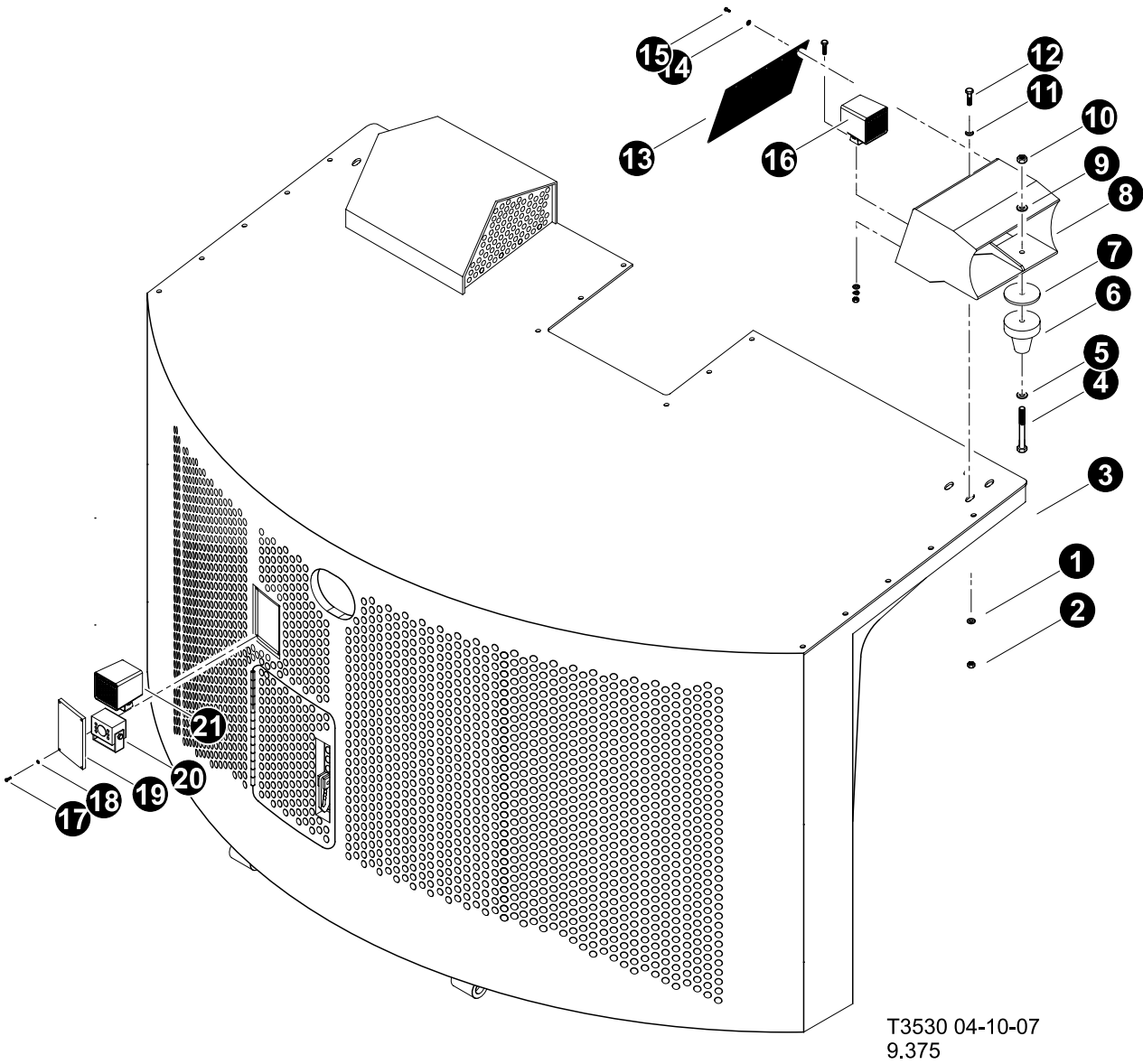
| REF | PART #   | QTY | DESCRIPTION                              | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | 52853-UP | 1   | DOOR, GULLWING+3"                        |             |
| 2   | 52833-UP | 1   | BELTING, GULLWING END - SHORT            |             |
| 3   | 52835-UP | 1   | RETAINER, GULLWING END BELTING - SHORT   |             |
| 4   | 10757-UP | 36  | WASHER, SAE FLAT - .25"                  |             |
| 5   | 15575-UP | 18  | BOLT - .25" X 1.5"                       |             |
| 6   | 52834-UP | 1   | BELTING, GULLWING END - LONG             |             |
| 7   | 52836-UP | 1   | RETAINER, GULLWING END BELTING - LONG    |             |
| 8   | REF      | 2   | LIGHTS .....                             | ES-1        |
| 9   | 53029-UP | 1   | LEXAN, LIGHT COVER -GULLWING             |             |
| 10  | 10757-UP | 4   | WASHER, SAE FLAT - .25"                  |             |
| 11  | 18309-UP | 4   | BOLT - .25" X 1.25"                      |             |
| 12  | 10731-UP | 10  | BOLT - .375" X 1.5"                      |             |
| 13  | 42645-UP | 2   | BAR, GULLWING RUBBER STIFFENER           |             |
| 14  | 42646-UP | 2   | RUBBER, SEAL - GULLWING UPPER SEAM       |             |
| 15  | 15528-UP | 10  | WASHER, SAE FLAT - .375"                 |             |
| 16  | 52199-UP | 6   | BOLT, BUTTON HEAD - 3/8"-16 X 1-1/4" USS |             |
| 17  | 15528-UP | 6   | WASHER, SAE FLAT - .375"                 |             |
| 18  | 42689-UP | 2   | BAR, RUBBER RETAINER - BOOM              |             |
| 19  | 52842-UP | 1   | BELTING, GULLWING CENTER                 |             |
| 20  | 10402-UP | 8   | BOLT - .375" X 1.25"                     |             |
| 21  | 10802-UP | 16  | WASHER, FLAT - .375"                     |             |
| 22  | 10815-UP | 2   | NUT, LOCK - .5"                          |             |
| 23  | 15534-UP | 4   | WASHER, SAE FLAT - .5"                   |             |
| 24  | 15524-UP | 2   | WASHER, ISOLATOR MOUNT - .625" X 3.5"    |             |
| 25  | 51702-UP | 2   | ISOLATOR, GULLWING MOUNTING-URETHANE     |             |
| 26  | 10835-UP | 2   | BOLT - .5" X 4.5"                        |             |
| 27  | 10813-UP | 14  | NUT, LOCK - .375"                        |             |
| 28  | 51776-UP | 2   | MOUNT, GULLWING TOP                      |             |



See reference page for component or assembly breakdown.



Item sold in bulk (per foot). Please specify on order amount needed.



T3530 04-10-07  
9.375

## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Options)

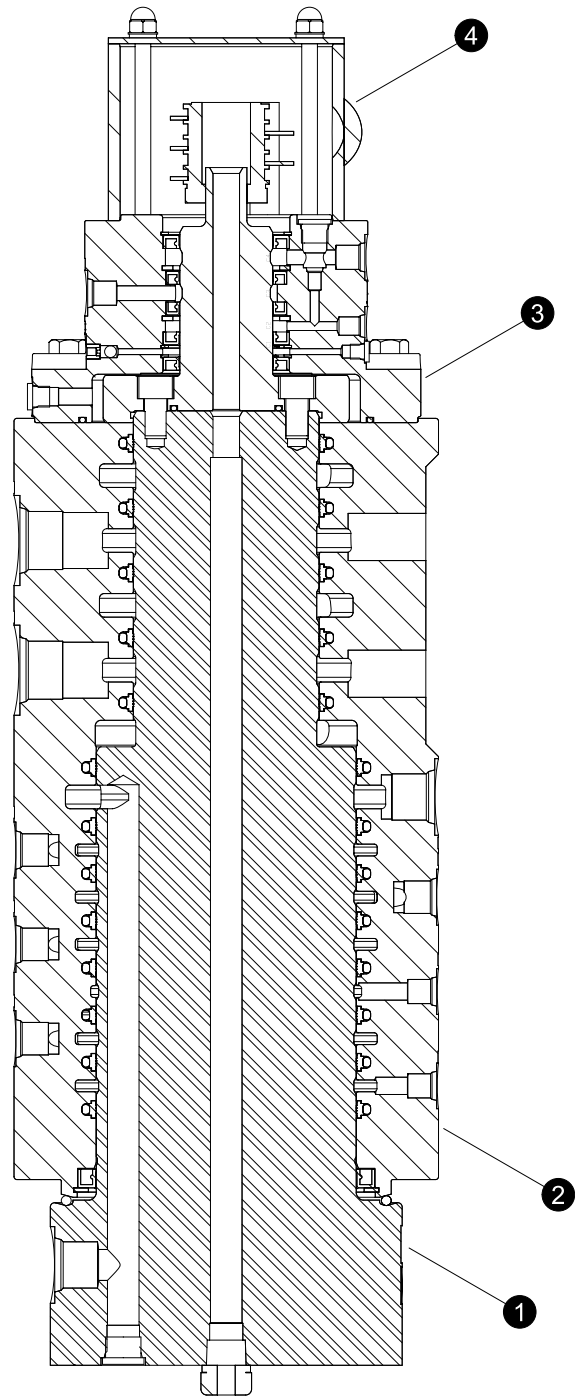
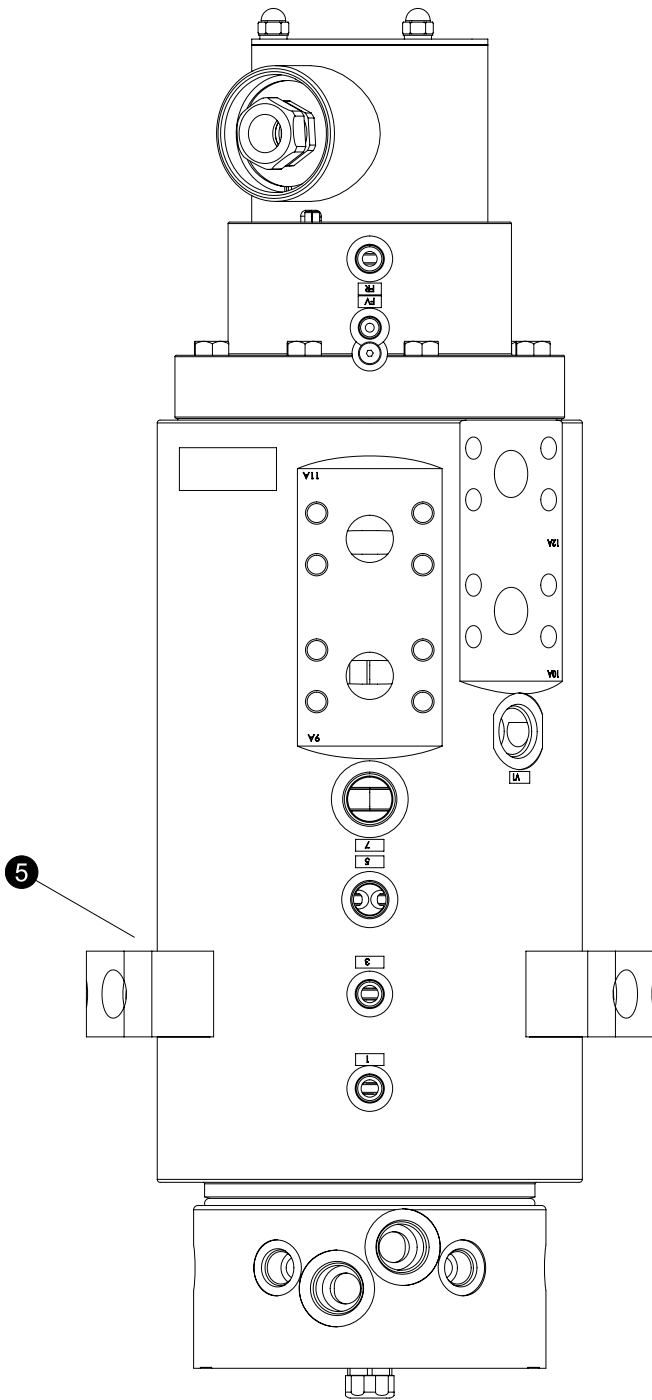
| REF | PART #   | QTY | DESCRIPTION                           | SEE SECTION |
|-----|----------|-----|---------------------------------------|-------------|
| 1   | 10802-UP | 16  | WASHER, FLAT - .375"                  |             |
| 2   | 10813-UP | 16  | NUT, LOCK - .375"                     |             |
| 3   | REF      | 1   | DOOR, GULLWING .....                  | UP-1        |
| 4   | 10835-UP | 2   | BOLT - .5" X 4.5"                     |             |
| 5   | 15534-UP | 4   | WASHER, SAE FLAT - .5"                |             |
| 6   | 51702-UP | 2   | ISOLATOR, GULLWING MOUNTING           |             |
| 7   | 15524-UP | 2   | WASHER, ISOLATOR MOUNT - .625" X 3.5" |             |
| 8   | 52664-UP | 1   | BRACKET, LIGHT GULLWING MOUNTED R.H.  |             |
| -   | 52665-UP | 1   | BRACKET, LIGHT GULLWING MOUNTED L.H.  |             |
| 9   | 15534-UP | 4   | WASHER, SAE FLAT - .5"                |             |
| 10  | 10815-UP | 2   | NUT, LOCK - .5"                       |             |
| 11  | 10802-UP | 16  | WASHER, FLAT - .375"                  |             |
| 12  | 10402-UP | 16  | BOLT - .375" X 1.25"                  |             |
| 13  | 52750-UP | 1   | BELTING, LIGHT BRACKET GUARD          |             |
| 14  | 10800-UP | 10  | WASHER, FLAT - .25"                   |             |
| 15  | 23264-UP | 10  | BOLT - .25" X .5"                     |             |
| 16  | REF      | 4   | LIGHT, .....                          | ES-1        |
| 17  | 15576-UP | 4   | BOLT - .25" X 1"                      |             |
| 18  | 10757-UP | 4   | WASHER, SAE FLAT - .25"               |             |
| 19  | 53048-UP | 1   | LEXAN, LIGHT/CAMERA COVER -GULLWING   |             |
| 20  | REF      | 4   | CAMERA, Rearview System .....         | ES-2        |
| 21  | REF      | 4   | LIGHT, .....                          | ES-1        |



See reference page for component or assembly breakdown.



Item sold in bulk (per foot). Please specify on order amount needed.



Parts T3712 09/08  
18.75

## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Options)

### (HYDRA DYNE ROTARY MANIFOLD)

| REF | PART #      | QTY | DESCRIPTION                                 | SEE SECTION |
|-----|-------------|-----|---|-------------|
| -   | 52810-UP    | 1   | ☐ MANIFOLD, ROTARY - 14 PORT TRACK          |             |
| 1   | TP1414001   | 1   | SPOOL, ROTARY -                             |             |
| 2   | TP1414002   | 1   | BARREL, 14 PASS ROTARY -                    |             |
| 3   |             |     |   |             |
| 4   | S08XN05HDT1 | 1   | ELECTRIC SLIP RING - 7 contact with CAN     |             |
| 5   |             | 2   | MOUNTING PLATE - HD1214003                  |             |
| -   |             | 8   | BOLT, Allen M16 X 40mm (for mounting plate) |             |
| -   | 53695-UP    | 1   | ⌘ KIT, SEAL REPAIR - ROTARY MAN - 52810     |             |



See reference page for component or assembly breakdown.

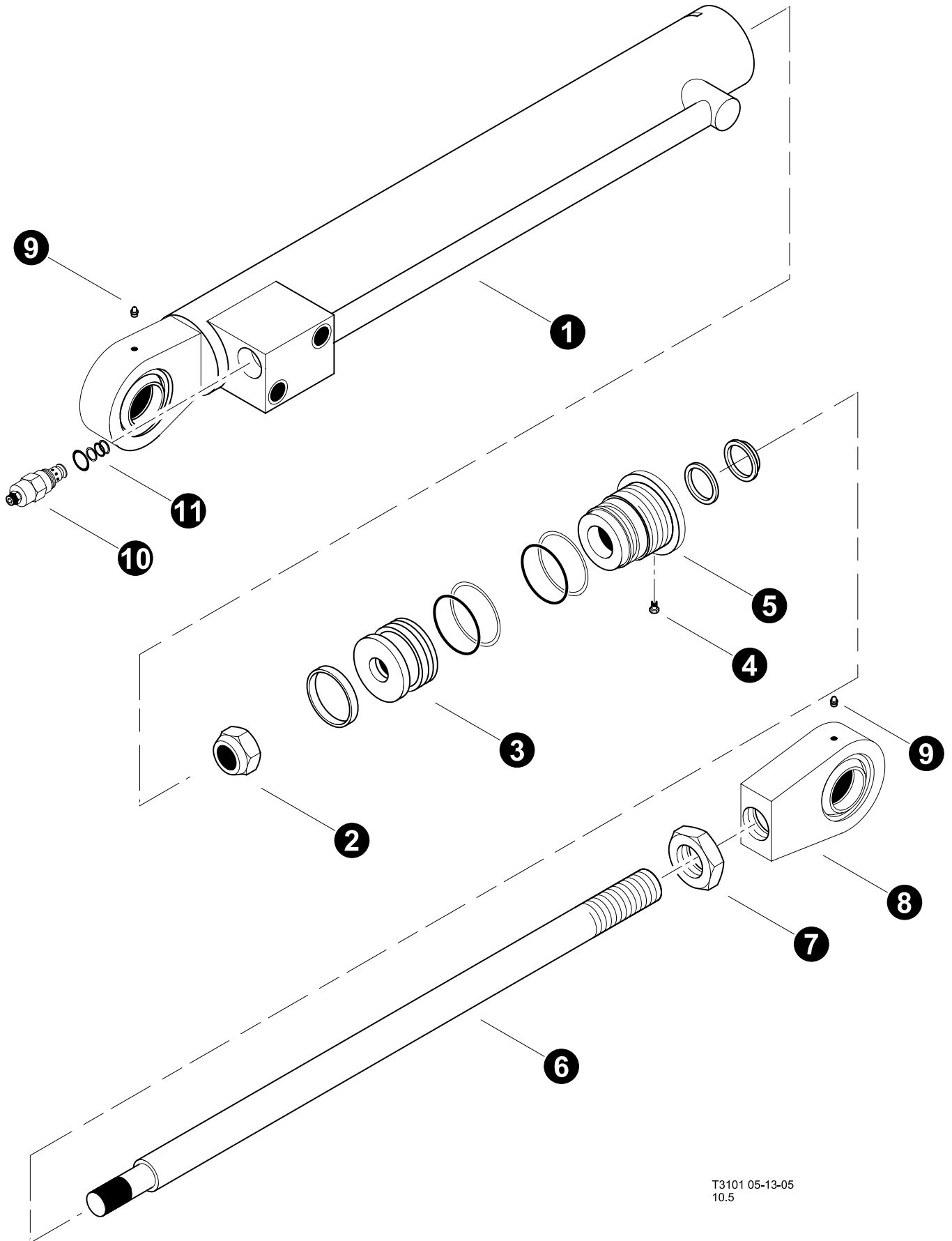


Kit or Assembly - includes all items indented underneath.



Parts Included in Seal Repair Kit.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



T3101 05-13-05  
10.5

## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Lift Cylinder Breakdown)

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| -   | 51870-UP | 1   | <input type="checkbox"/> CYLINDER, GULLWING LIFT - 830/630 |             |
| 1   |          | 1   | BARREL ASSEMBLY (203026B)                                  |             |
| 2   |          | 1   | NUT (712065A)  |             |
| 3   |          | 1   | PISTON ASSEMBLY (400221B)                                  |             |
| 4   |          | 1   | SCREW (711127A)  |             |
| 5   |          | 1   | ROD BEARING ASSEMBLY (500736B)                             |             |
| 6   |          | 1   | ROD ASSEMBLY (301692B)                                     |             |
| 7   |          | 1   | NUT - JAM (712117A)  |             |
| 8   |          | 1   | ROD EYE ASSEMBLY (660794B)                                 |             |
| 9   |          | 2   | GREASE FITTING (717000A)                                   |             |
| 10  |          | 1   | VALVE CARTRIDGE (725047A)                                  |             |
| 11  |          | 1   | SEAL KIT - CARTRIDGE (SKV-1021)                            |             |
| -   | 52011-UP | 1   | KIT, SEAL REPAIR - GULL WING CYL                           |             |



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.

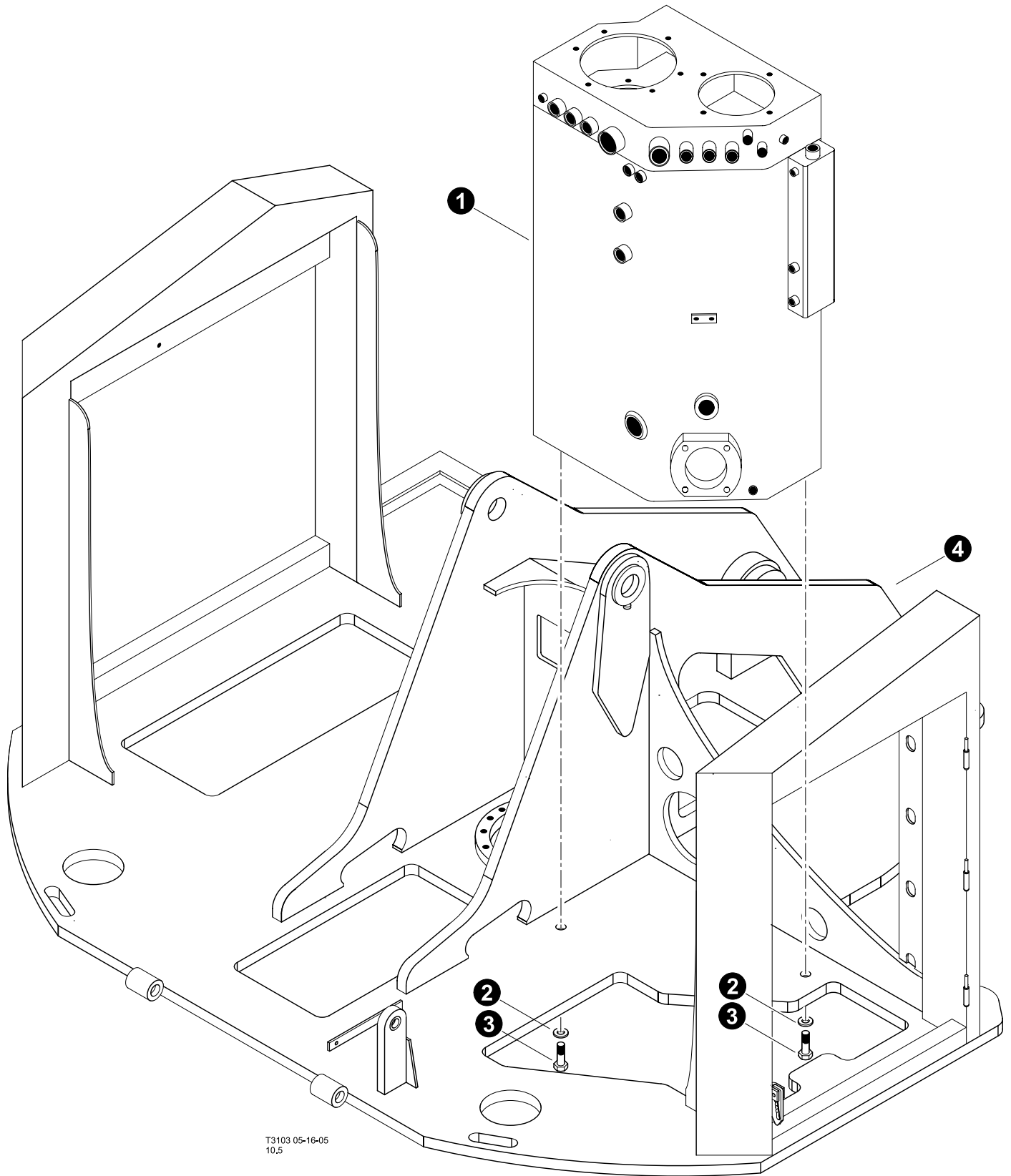




# Section UP-2


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## Upper Turntable - Hydraulic Tank



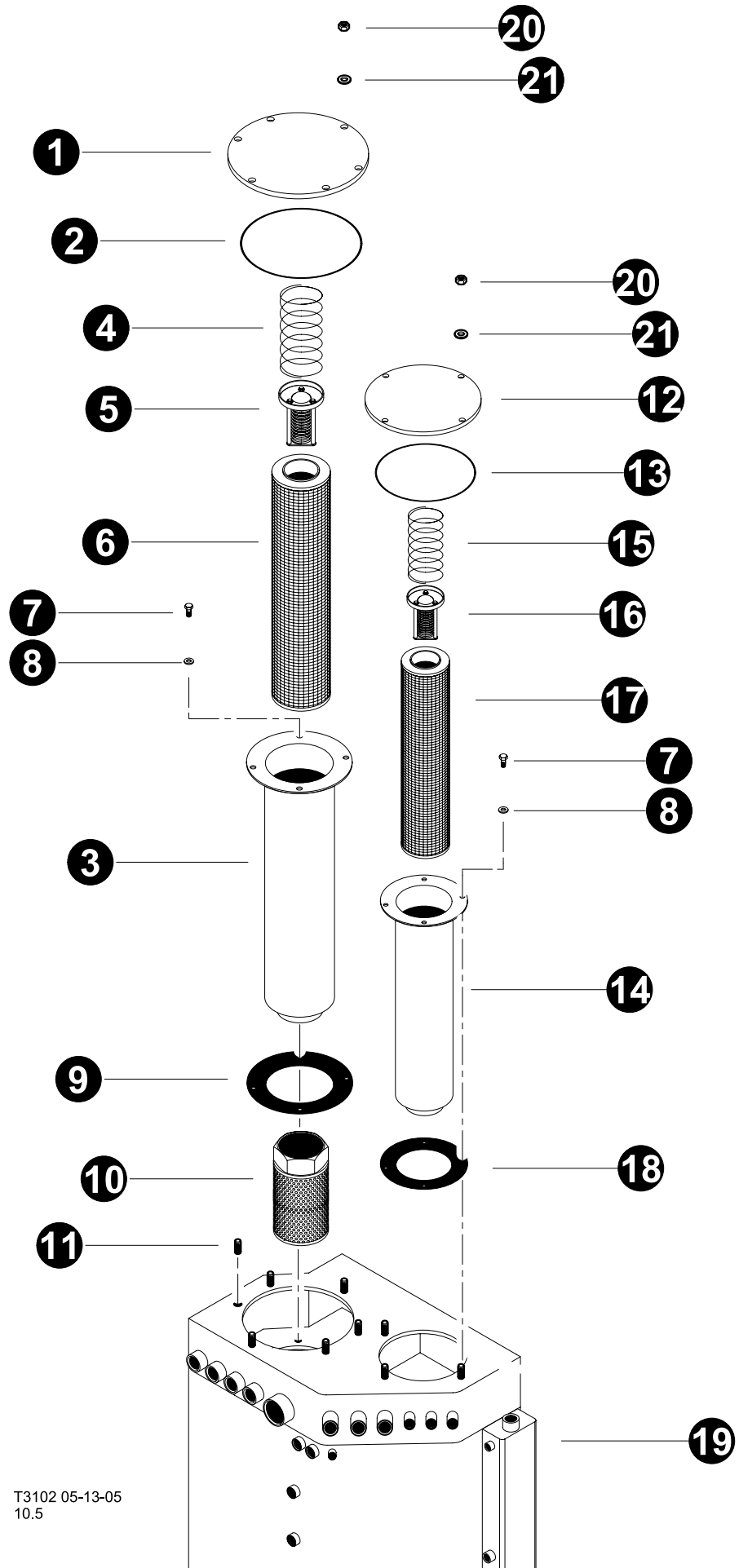
T3103 05-16-05  
10.5

## HYDRAULIC TANK INSTALLATION

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | 51583-UP | 1   | TANK, HYDRAULIC OIL (830,840 & 630)  |             |
| 3   | 15681-UP | 2   | BOLT - .625" X 2.25"   |             |
| 2   | 10805-UP | 2   | WASHER, FLAT - .625"   |             |
| 4   | REF      | 1   |  UPPER TURNTABLE ASSEMBLY ..... | UP-1        |

-  See reference page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.

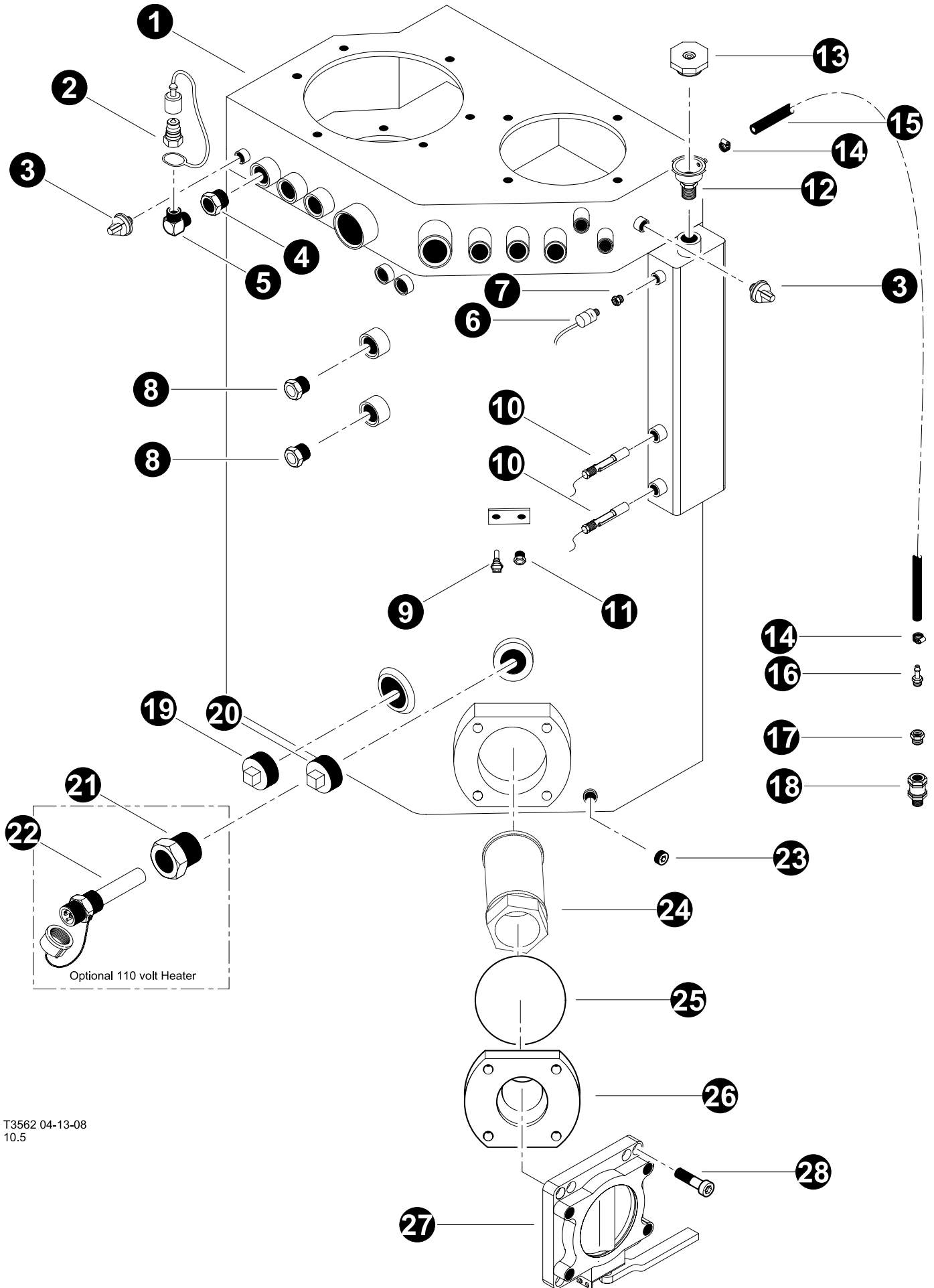


T3102 05-13-05  
10.5

## HYDRAULIC TANK FILTER ASSEMBLES

| REF | PART #   | QTY | DESCRIPTION                             | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   |          | 1   | COVER - RETURN FILTER                   |             |
| 2   | 42310-UP | 1   | O-RING                                  |             |
| 3   | 51620-UP | 1   | ☐ FILTER KIT, HYD. TANK MAIN RETURN     |             |
| 4   |          | 1   | SPRING, RETURN FILTER                   |             |
| 5   |          | 1   | BYPASS CHECK, RETURN FILTER             |             |
| 6   | 52350-UP | 1   | ELEMENT, MAIN RETURN HYD TANK           |             |
| 7   | 15542-UP | 8   | BOLT - .375" X .75"                     |             |
| 8   | 15528-UP | 8   | WASHER, SAE FLAT - .375"                |             |
| 9   | 52126-UP | 1   | ⌘ SEAL, Gasket (BFT-3)                  |             |
| 10  | 51624-UP | 1   | DIFFUSER, FILTER - MAIN RETURN HYD TANK |             |
| 11  | 42393-UP | 1   | STUD - .5"-13NC X .5"-20NF X 2.0LG"     |             |
| 12  |          | 1   | COVER - CASE DRAIN                      |             |
| 13  | 15600-UP | 1   | O-RING - 8" DIA. -369                   |             |
| 14  | 51621-UP | 1   | ☐ FILTER KIT, HYD. TANK MAIN RETURN     |             |
| 15  |          | 1   | SPRING, CASE DRAIN FILTER               |             |
| 16  |          | 1   | BYPASS CHECK, CASE DRAIN FILTER         |             |
| 17  | 22647-UP | 1   | ELEMENT, RETURN FILTER (Case Drain)     |             |
| 18  |          | 1   | ⌘ SEAL, Gasket (LFT-642)                |             |
| 19  | REF      | 1   | ☒ HYDRAULIC TANK ASSEMBLY.....          | UP-2        |
| 20  | 42394-UP | 10  | NUT, HEX .5-20NF                        |             |
| 21  | 15534-UP | 10  | WASHER, SAE FLAT - .5"                  |             |



- ☒ See reference page for component or assembly breakdown.
- ☐ Kit or Assembly - includes all items indented underneath.
- ⌘ Part of Seal Repair Kit #52126
- ⌘ Part of Seal Repair Kit #16852






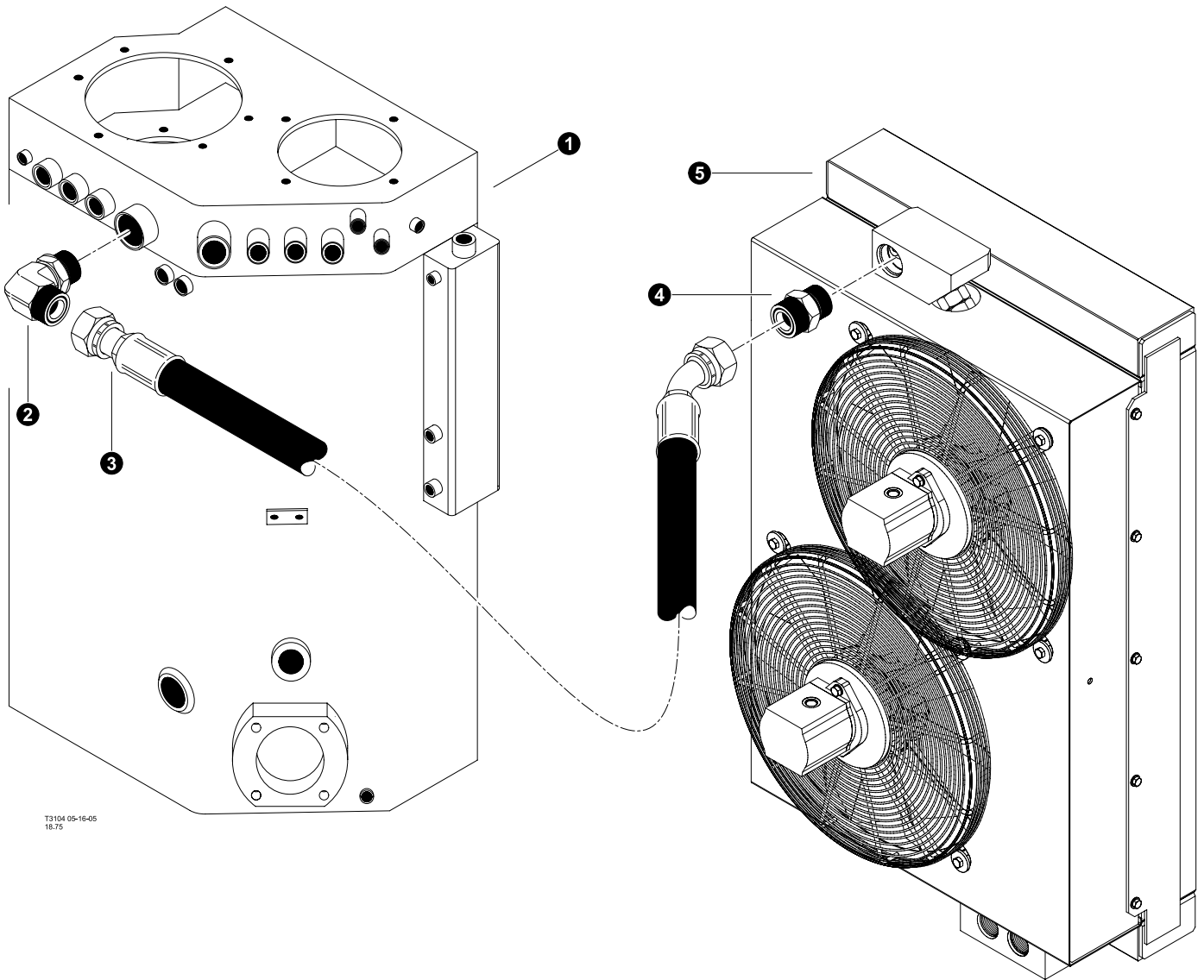
T3562 04-13-08  
10.5

## HYDRAULIC TANK

### Hydraulic Tank Components installation

| REF | PART #    | QTY  |   | DESCRIPTION   | SEE SECTION |
|-----|-----------|------|---|---|-------------|
| 1   | REF       | 1    |  | HYDRAULIC TANK ASSEMBLY. ....                               | UP-2        |
| 2   | 17307M-UP | 1    |   | QUICK DISCONNECT - .5" (MALE)                               |             |
| -   | 17323F-UP | 1    |   | COVER, DUST - QUICK DISCONNECT (FEMALE)                     |             |
| 3   | 51764-UP  | 2    |   | SWITCH, PRESSURE - SCHROEDER (830/630)                      |             |
| 4   | 16805-UP  | 1    |   | BUSHING, REDUCER - 6405-12-8                                |             |
| 5   | 17487-UP  | 1    |   | ELBOW, 90 - 5500-8  |             |
| 6   | 51737-UP  | 1    |   | SWITCH, PRESSURE - VACUUM PUMP SHUTOFF                      |             |
| 7   | 11318-UP  | 1    |   | BUSHING, REDUCER - 5406-6-4                                 |             |
| 8   | 24308-UP  | 2    |   | SIGHT GLASS   |             |
| 9   | 24531-UP  | 1    |   | TRANSDUCER, HYD TEMP (IQAN SYSTEM)                          |             |
| 10  | 51379-UP  | 2    |   | SWITCH, HYD. OIL LEVEL .50 NPT GEMS                         |             |
| 11  | 11360-UP  | 1    |   | PLUG - 5406-P-2   |             |
| 12  | 17156-UP  | 1    |   | STEM, HYDRAULIC TANK RELIEF CAP                             |             |
| 13  | 18135-UP  | 1    |   | CAP, HYD. RESERVOIR RELIEF - 13 PSI                         |             |
| 14  | 16202-UP  | 1    |   | CLAMP, HOSE - WORM STYLE - .625"                            |             |
| 15  | 16238-UP  | 5 ft |  | HOSE, FUEL LINE (BULK ROLL) - .3125"                        |             |
| 15  | 22229-UP  | 1    |   | TEE - 8-G5G5JAO-S   |             |
| 16  | 16990-UP  | 1    |   | CONNECTOR, STR HOSE BARB - 4244-5-4                         |             |
| 17  | 11318-UP  | 1    |   | BUSHING, REDUCER - 5406-6-4                                 |             |
| 18  | 15652-UP  | 1    |   | VALVE, CHECK - HYDRAULIC/FUEL TANK                          |             |
| 19  | 42392-UP  | 1    |   | PLUG, BLACK PIPE - 2.0" HYD. TANK 830/630                   |             |
| 20  | 42392-UP  | 1    |   | PLUG, BLACK PIPE - 2.0" HYD. TANK 830/630                   |             |
| 21  | 26397-UP  | 1    |   | BUSHING, BLACK - 2" X 1.25"                                 |             |
| 22  | 19286-UP  | 1    |   | ELEMENT, HEATER - HYD. TANK (120V 600W) (OPTIONAL)          |             |
| 23  | 10751-UP  | 1    |   | PLUG - 5406-P-8   |             |
| 24  | 15842-UP  | 1    |   | FILTER, SCREEN - IMPLEMENT                                  |             |
| 25  | 51726-UP  | 1    |   | O-RING, HDYRAULIC TANK - 830/630                            |             |
| 26  | 42306-UP  | 1    |   | PLATE, INTER.-SUCTION PORT 100mm VALVE                      |             |
| 27  | 54786-UP  | 1    |   | VALVE, SHUT OFF - BUTTERFLY (4") Must also order new #42306 |             |
| 28  | 18918-UP  | 4    |   | BOLT, ALLEN HEAD - .5" X 2.5"                               |             |

-  See reference page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.
-  Sold in bulk per foot - Please specify length when ordering.







T3104 05-16-05  
18.75



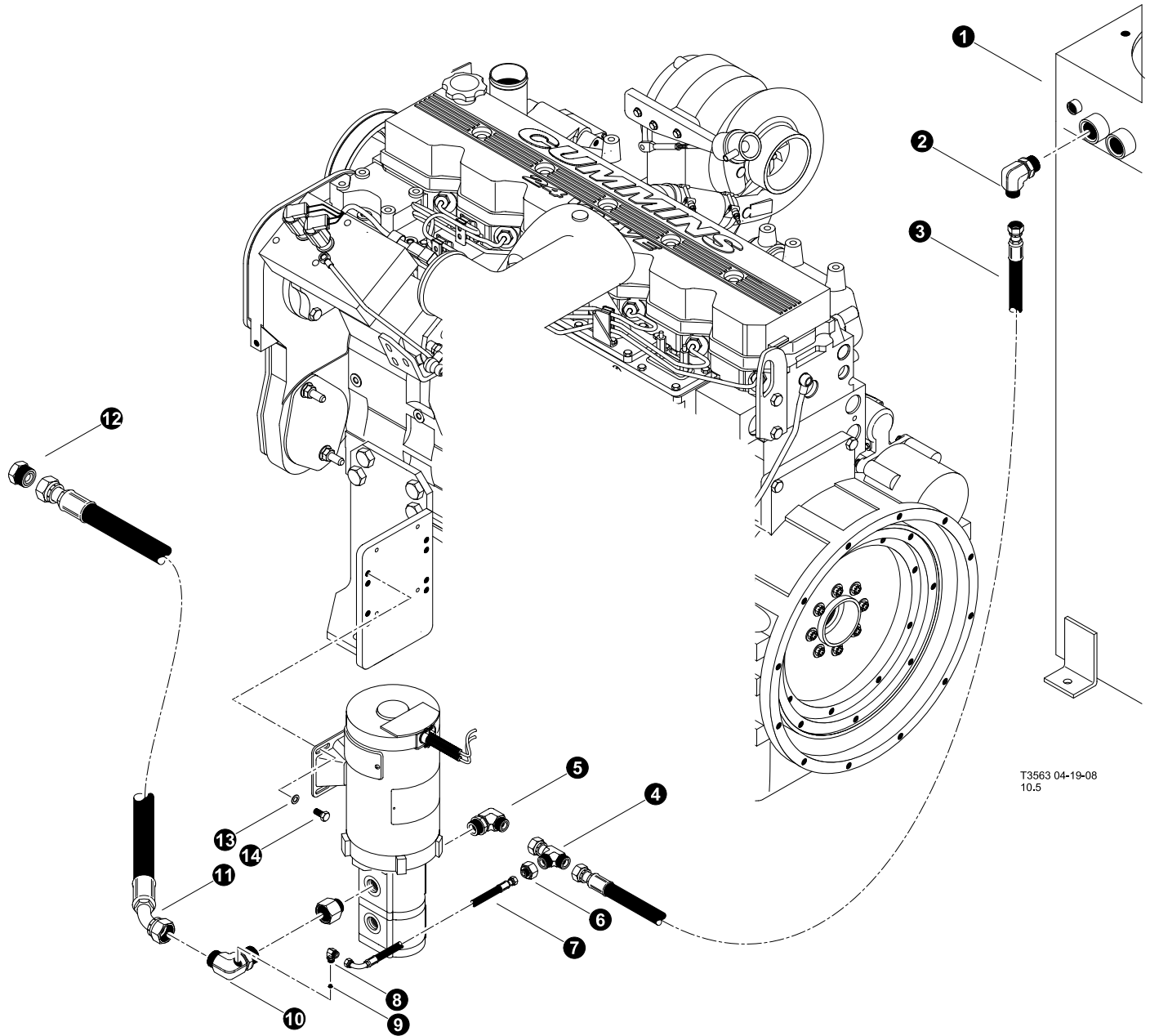
## HYDRAULIC TANK

### Hydraulic Tank Return Line to Oil Cooler

| REF | PART #   | QTY |   | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|---|--|-------------|
| 1   | REF      | 1   |  | HYDRAULIC TANK ASSEMBLY.....   | UP-2        |
| 2   | 22438-UP | 1   |   | ELBOW, 90 - 849L-TTO-24X24 (HYD TANK)  |             |
| 2   |          | 1   |   | HOSE ASSEMBLY - 2023-24OS-2404 (Hydraulic tank return side to Oil Cooler Outlet) |             |
| 4   | 22448-UP | 1   |   | CONNECTOR, STR - 848-TTO-24X24   |             |
| 5   | REF      | 1   |  | HYDRAULIC OIL COOLER ASSEMBLY .....  | UP-3        |

-  See reference page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.


Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



T3563 04-19-08  
10.5

**HYDRAULIC TANK**  
**(Standard Hydraulic Tank Fill Pump System)**

**SN 0073 and Before**

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   |  HYDRAULIC TANK ASSEMBLY..... | UP-2        |
| 2   | 15372-UP | 1   | ELBOW, 90 - FF1868T-0812S  |             |
| 3   | -UP      | 1   | HOSE ASSEMBLY - 2074-08-08OS-08OS  |             |
| 4   | 15433-UP | 1   | TEE - FF2114T-0808S  |             |
| 5   | 15154-UP | 1   | ELBOW, 90 - FF1868T-0810S  |             |
| 6   | 19221-UP | 1   | CONNECTOR, REDUCER - ORS FF2281T-0408S   |             |
| 7   | -UP      | 1   | HOSE ASSEMBLY - 2006.5-04-04OS-04O9  |             |
| 8   | -UP      | 1   | ELBOW, 90 - FF1868T-0406S (PN15133 - tapped for #4 SAE)  |             |
| 9   | 52679-UP | 1   | PLUG, HEX SOCKET (ORB) - 6409-02 .060 orifice  |             |
| 10  | 53109-UP | 1   | ELBOW, 90 - FF1868T-1216S W/ #6 HOLE   |             |
| 11  | -UP      | 1   | HOSE ASSEMBLY - 2050-12-12OS-12O4  |             |
| 12  | 11392-UP | 1   | PLUG - 2408-12   |             |
| 13  | 15528-UP | 4   | WASHER, SAE FLAT - .375"   |             |
| 14  | 15542-UP | 4   | BOLT - .375" X .75"  |             |
| 15  | REF      | 1   | FILL PUMP ASSEMBLY.....  | UP-2        |



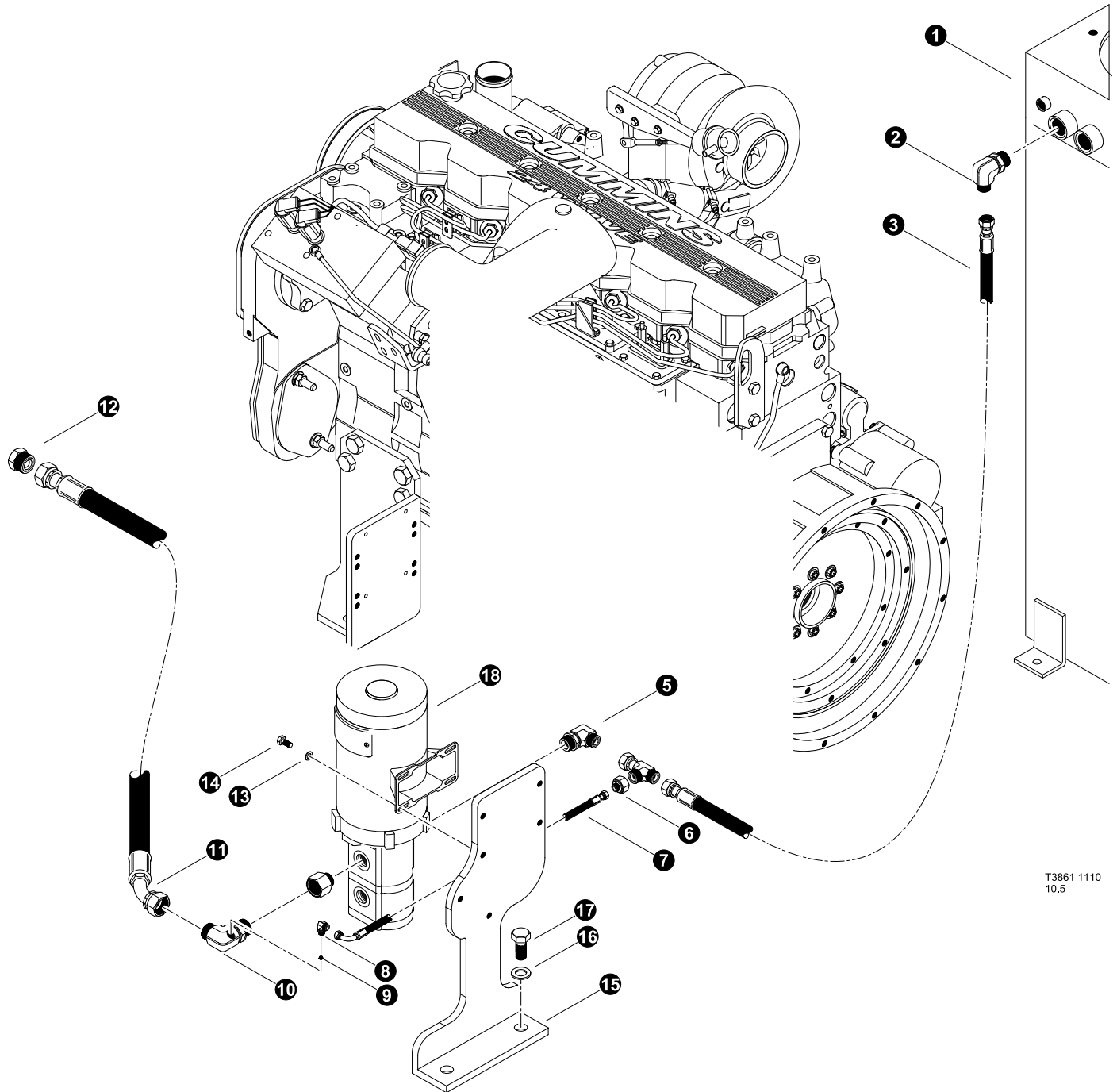
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.




Sold in bulk per foot - Please specify length when ordering.



T3861 1110  
10.5

## HYDRAULIC TANK (Standard Hydraulic Tank Fill Pump System)

### SN 0074 and After

| REF | PART #   | QTY |   | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|---|-------------|
| 1   | REF      | 1   |  | HYDRAULIC TANK ASSEMBLY.....                            | UP-2        |
| 2   | 15372-UP | 1   |   | ELBOW, 90 - FF1868T-0812S                               |             |
| 3   | -UP      | 1   |   | HOSE ASSEMBLY - 2074-08-08OS-08OS                       |             |
| 4   | 15433-UP | 1   |   | TEE - FF2114T-0808S                                     |             |
| 5   | 15154-UP | 1   |   | ELBOW, 90 - FF1868T-0810S                               |             |
| 6   | 19221-UP | 1   |   | CONNECTOR, REDUCER - ORS FF2281T-0408S                  |             |
| 7   | -UP      | 1   |   | HOSE ASSEMBLY - 2006.5-04-04OS-04O9                     |             |
| 8   | -UP      | 1   |   | ELBOW, 90 - FF1868T-0406S (PN15133 - tapped for #4 SAE) |             |
| 9   | 52679-UP | 1   |   | PLUG, HEX SOCKET (ORB) - 6409-02 .060 orifice           |             |
| 10  | 53109-UP | 1   |   | ELBOW, 90 - FF1868T-1216S W/ #6 HOLE                    |             |
| 11  | -UP      | 1   |   | HOSE ASSEMBLY - 2050-12-12OS-12O4                       |             |
| 12  | 11392-UP | 1   |   | PLUG - 2408-12  |             |
| 13  | 15528-UP | 4   |   | WASHER, SAE FLAT - .375"                                |             |
| 14  | 15542-UP | 4   |   | BOLT - .375" X .75"                                     |             |
| 15  | 54191-UP | 1   |   | BRACKET, FILL PUMP                                      |             |
| 16  | 15534-UP | 2   |   | WASHER, SAE FLAT - .5"                                  |             |
| 17  | 50100-UP | 2   |   | BOLT - .5" X 1.25"                                      |             |
| 18  | REF      | 1   |   | FILL PUMP ASSEMBLY.....                                 | UP-2        |



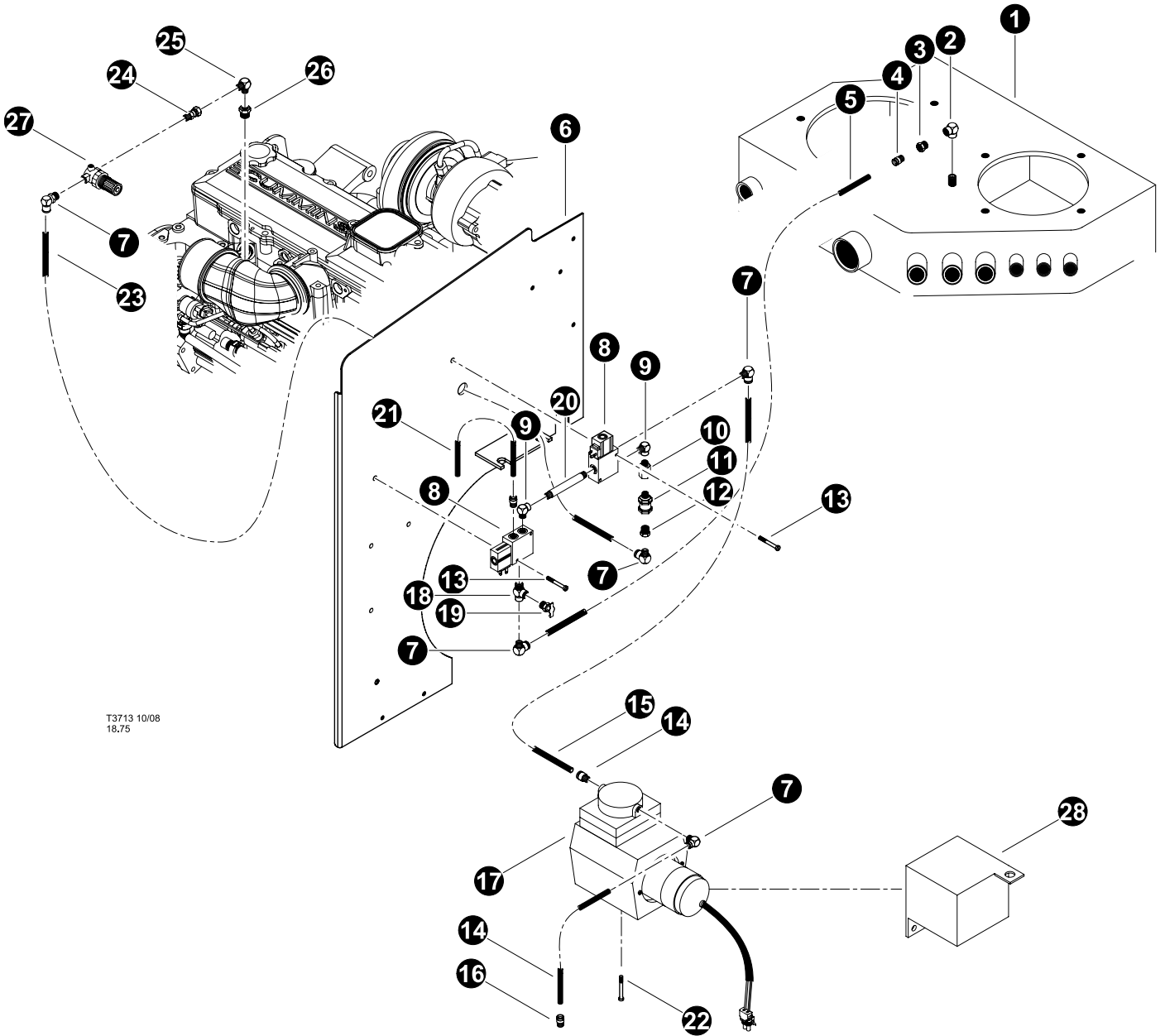
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.












Sold in bulk per foot - Please specify length when ordering.

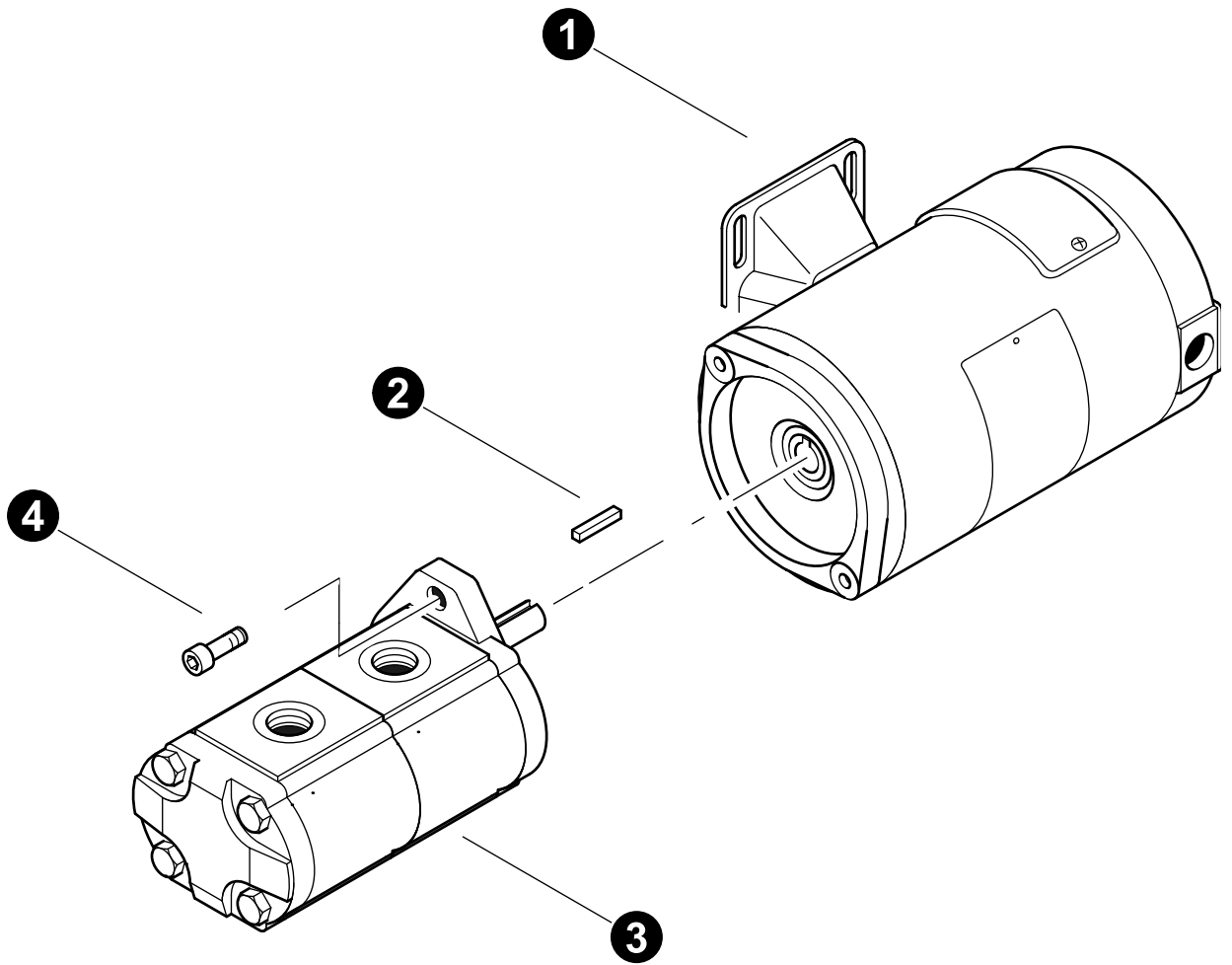


T3713 10/08  
18.75

## HYDRAULIC TANK (Hydraulic Tank Vent / Vacuum System)

| REF | PART #   | QTY |   | DESCRIPTION                        | SEE SECTION |
|-----|----------|-----|---|------------------------------------|-------------|
| 1   | REF      | 1   |    | HYDRAULIC TANK ASSEMBLY. ....      | UP-2        |
| 2   | 16251-UP | 2   |   | ELBOW, 90 STREET - 5502-4          |             |
| 3   | 11318-UP | 1   |   | BUSHING, REDUCER - 5406-6-4        |             |
| 4   | 52145-UP | 1   |   | ADAPTER, EXPANDER - 3/8 X 1/4 FG-S |             |
| 5   | 51738-UP | ft  |    | HOSE, 3/8" PUSH ON - VACUUM PUMP   |             |
| 6   | REF      | 1   |   | PANEL, REAR ENGINE SHIELD. ....    | EE-1        |
| 7   | 51739-UP | 1   |   | CONNECTOR, ELBOW -PUSH ON (VACUUM) |             |
| 8   | 51616-UP | 2   |   | VALVE, VACUUM PUMP - HYD TANK      |             |
| 9   | 21147-UP | 1   |   | ELBOW, 90 STREET .25" NPT - BRASS  |             |
| 10  | 52145-UP | 1   |   | ADAPTER, EXPANDER - 3/8 X 1/4 FG-S |             |
| 11  | 15652-UP | 1   |   | VALVE, CHECK - HYDRAULIC/FUEL TANK |             |
| 12  | 11318-UP | 1   |   | BUSHING, REDUCER - 5406-6-4        |             |
| 13  | 16128-UP | 2   |   | SCREW, MACHINE - #10-24 X 1.5"     |             |
| 14  | 51738-UP | ft  |    | HOSE, 3/8" PUSH ON - VACUUM PUMP   |             |
| 15  | 51738-UP | ft  |    | HOSE, 3/8" PUSH ON - VACUUM PUMP   |             |
| 16  | 51739-UP | 1   |   | CONNECTOR, ELBOW -PUSH ON (VACUUM) |             |
| 17  | REF.     | 1   |   | PUMP, VACUUM - HYD TANK. ....      | UP-2        |
| 18  | 10393-UP | 1   |   | TEE - 5602-4                       |             |
| 19  | 15650-UP | 1   |   | VALVE, TANK VENT - DC602-6         |             |
| 20  | 53084-UP | 1   |   | NIPPLE, PIPE - 1/4" x 4"           |             |
| 21  | 51738-UP | ft  |   | HOSE, 3/8" PUSH ON - VACUUM PUMP   |             |
| 22  | 16129-UP | 4   |   | SCREW, MACHINE - #10-24 X .75"     |             |
| 23  | 51738-UP | ft  |  | HOSE, 3/8" PUSH ON - VACUUM PUMP   |             |
| 24  | 11331-UP | 1   |   | CONNECTOR, STR SWIVEL - 1404-4-4   |             |
| 25  | 52741-UP | 1   |   | ELBOW, MALE PIPE - 1/4 CR-S        |             |
| 26  | 24290-UP | 1   |   | BUSHING, REDUCER - 5406-12-4       |             |
| 27  | 15649-UP | 1   |   | REGULATOR, TURBO BOOST             |             |
| 28  | 51922-UP | 1   |   | COVER, VACUUM PUMP                 |             |

-  See reference page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.
-  Sold in bulk per foot - Please specify length when ordering.



T3109 04/16/08



## HYDRAULIC FILL PUMP BREAKDOWN

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| -   | -UP      | 1   | <input type="checkbox"/> ASSEMBLY - HYDRAULIC FILL PUMP with COOLER LOOP |             |
| 1   | 51503-UP | 1   | MOTOR, HYD OIL FILL (ELECTRIC) - 24V                                     |             |
| 2   | -UP      | 1   | KEY,   |             |
| 3   | 52567-UP | 1   | PUMP, electric hydraulic oil fill  |             |
| 4   | -UP      | 2   | BOLT, ALLEN HEAD - .375" X 1"  |             |



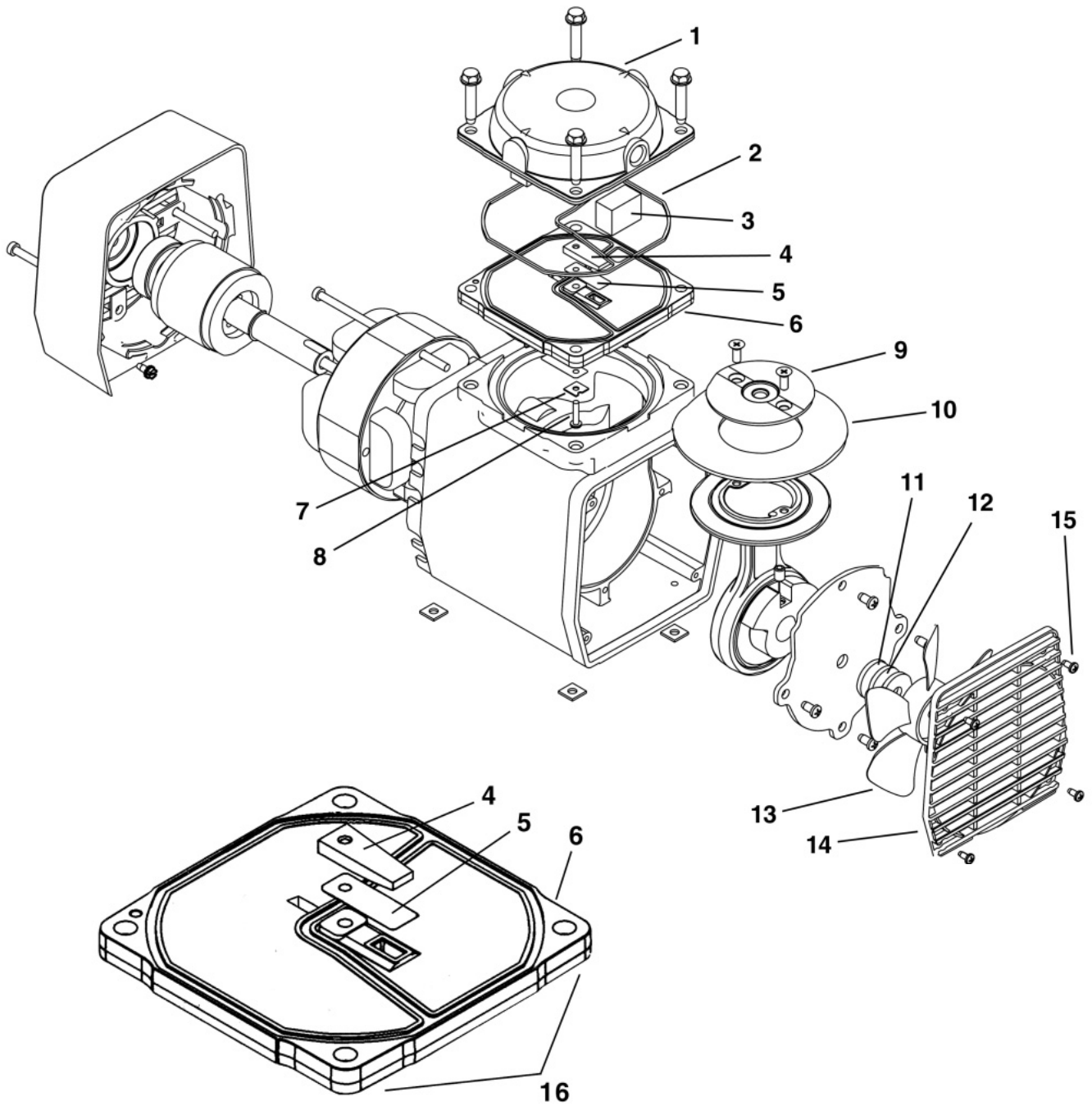
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Sold in bulk per foot - Please specify length when ordering.



## VACUUM PUMP BREAKDOWN

| REF | PART #   | QTY | DESCRIPTION                          | SEE SECTION |
|-----|----------|-----|--------------------------------------|-------------|
| -   | 51615-UP | 1   | <input type="checkbox"/> VACUUM PUMP |             |
| 1   | -UP      | 1   | HEAD (AP500)                         |             |
| 2   | -UP      | 1   | O-RING, HEAD (AP513)                 |             |
| 3   | -UP      | 2   | FILTER, MUFFLER (AT712A)             |             |
| 4   | -UP      | 1   | VALVE, LIMITER (AP110)               |             |
| 5   | -UP      | 2   | VALVE, LEAF (AF817)                  |             |
| 6   | -UP      | 1   | PLATE, VALVE (AP504)                 |             |
| 7   | -UP      | 1   | RETAINER, VALVE (AF819A)             |             |
| 8   | -UP      | 1   | SCREW, VALVE (BB330A)                |             |
| 9   | -UP      | 1   | PLATE, RETAINER (AF809)              |             |
| 10  | -UP      | 1   | DIAPHRAGM, COMPRESSOR (AF818A)       |             |
| 10  | -UP      | 1   | DIAPHRAGM, VACUUM (AF818B)           |             |
| 11  | -UP      | 3   | SPACER, FELT (AA929)                 |             |
| 12  | -UP      | 1   | SPACER (AD996)                       |             |
| 13  | -UP      | 1   | FAN (AF533)                          |             |
| 14  | -UP      | 1   | GRILL (AF807)                        |             |
| 15  | -UP      | 4   | RIVET (AP534)                        |             |
| 16  | -UP      | 1   | ASSEMBLY, VALVE PLATE (AP519)        |             |



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



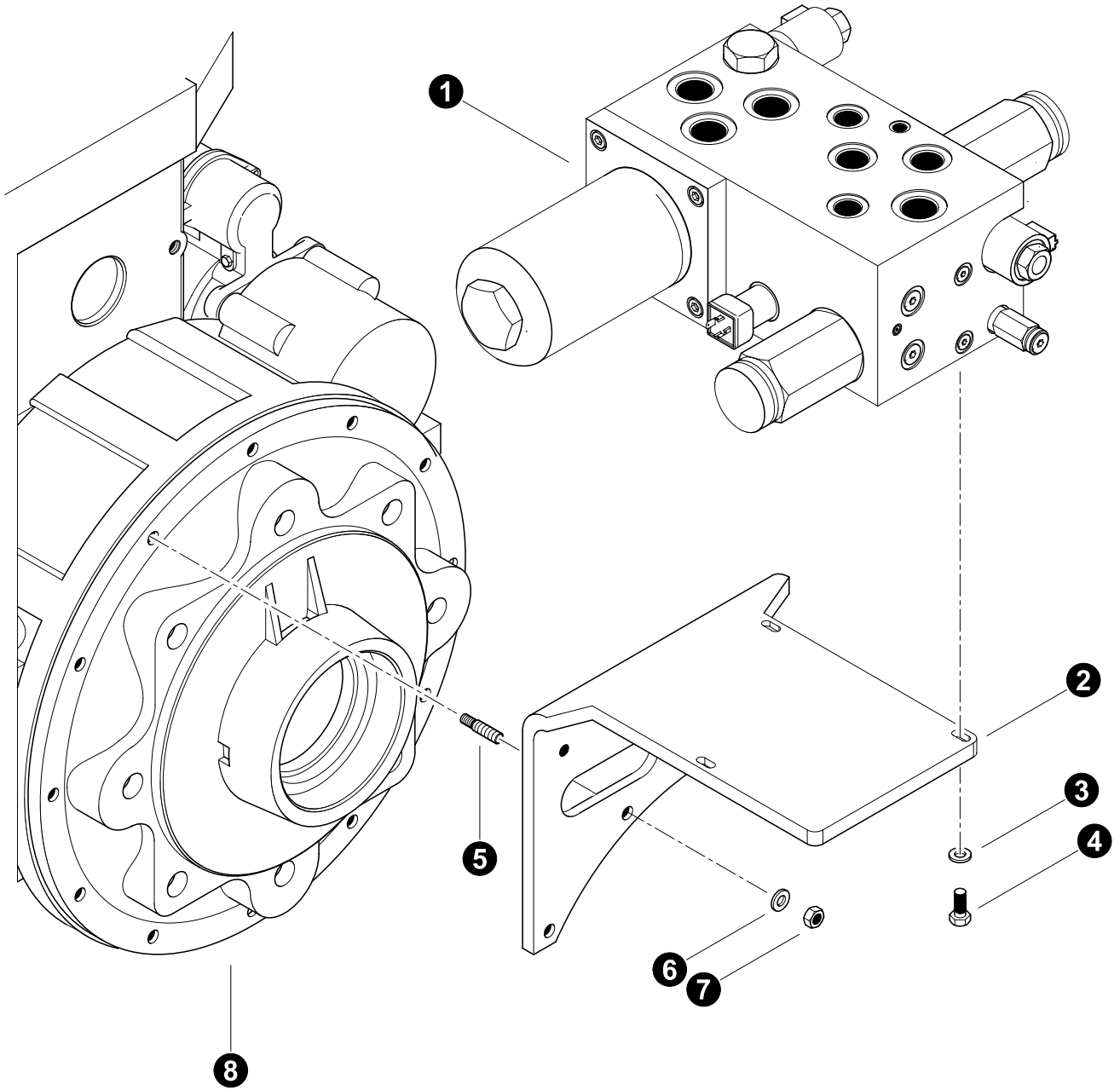
Sold in bulk per foot - Please specify length when ordering.



# Section UP-3

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## Upper Turntable - Radiator and Oil Cooler Fan Drive System



Parts T3714 10/08  
25.00

## RADIATOR AND COOLER FAN CIRCUIT

### Fan Drive Manifold installation

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | VALVE, FAN CONTROL . . . . .   | UP-3        |
| 2   | 52515-UP | 1   | BRACKET, CHARGE/FAN VALVE  |             |
| 3   | 15528-UP | 3   | WASHER, SAE FLAT - .375"   |             |
| 4   | 11707-UP | 3   | BOLT - .375" X 1"  |             |
| 5   | 15531-EE | 3   | STUD, threaded - 10mm x 45mm (See Note #1 below)                             |             |
| 6   | 15528-EE | 3   | WASHER, SAE flat - 3/8"  |             |
| 7   | 15530-EE | 3   | NUT, hex - 10mm (See Note #2 below)<br><b>(Torque to 40 ft.lbs. (53 Nm))</b> |             |
| 8   | REF      | 1   | PUMP DRIVE TRANSMISSION . . . . .  | EE-4        |

 See referenced page for component or assembly breakdown.

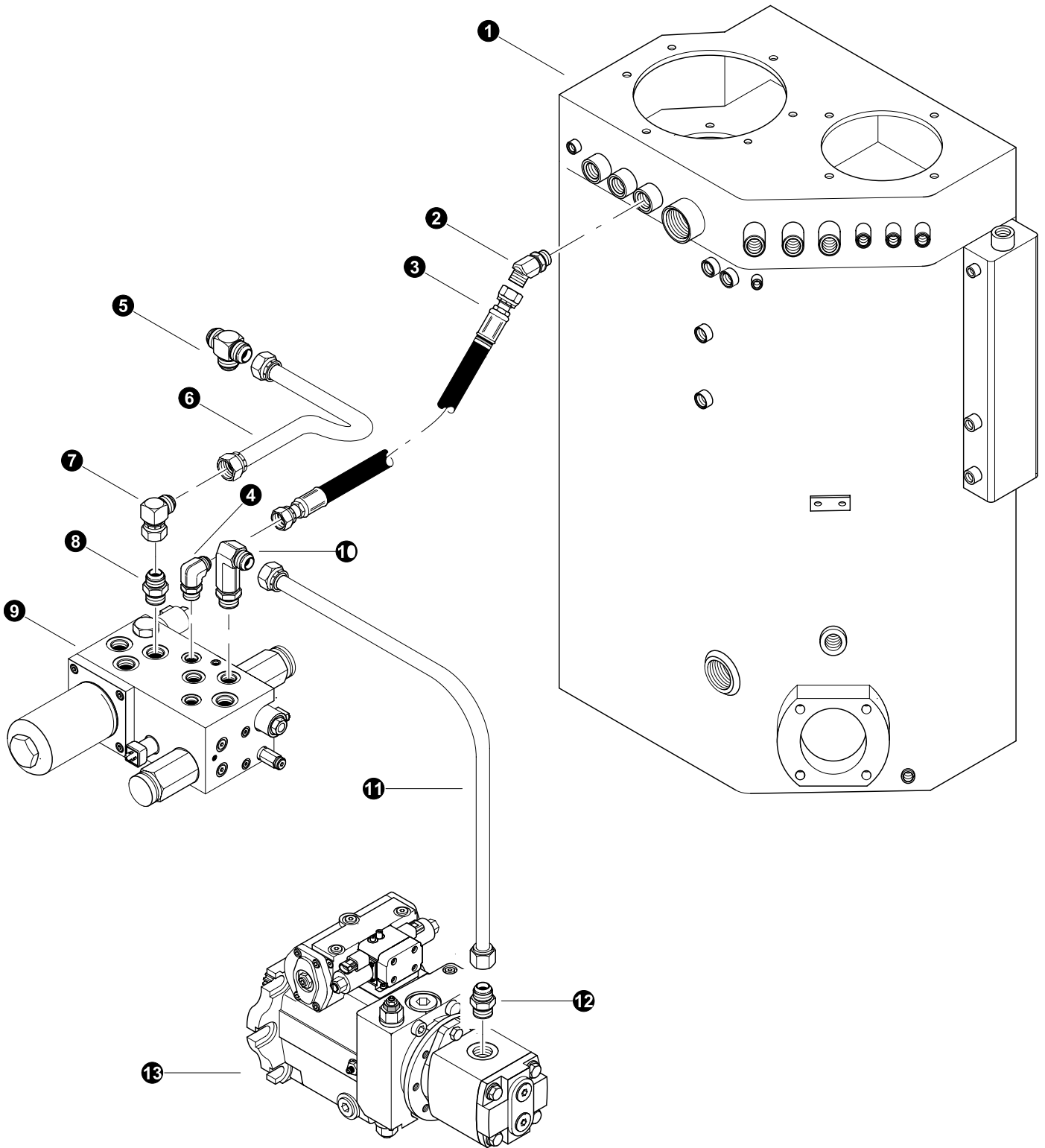
Kit or Assembly - includes all items indented underneath.

**Note #1:**

Use Loctite 271 (*red*) during installation.

**Note #2:**

Use Loctite 272 (*blue*) during installation.



Parts T3415 10/08  
18.75



## RADIATOR AND COOLER FAN CIRCUIT

### Fan Drive Pressure and Tank Connections

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | HYDRAULIC TANK ASSEMBLY.....                                   | UP-2        |
| 2   | 19127-UP | 1   | ELBOW, 45 - FF2068T-1212S                                      |             |
| 3   | -UP      | 1   | HOSE ASSEMBLY - 2136 12 12OS 1204 (T2 port to Hyd Tank Return) |             |
| 4   | 15484-UP | 1   | ELBOW, 90 - 16 C5OX-S  |             |
| 5   | 52970-UP | 1   | TEE, UNION - 16 JTXO   |             |
| 6   | 53128-UP | 1   | TUBELINE, CHARGE/FAN MANIFOLD 'T1' PORT                        |             |
| 7   | 52968-UP | 1   | ELBOW, 90 - 16 C6XO JIC  |             |
| 8   | 15497-UP | 1   | CONNECTOR, STR - 16 F5OX-S                                     |             |
| 9   | REF      | 1   | FAN CONTROL MANIFOLD.....                                      | UP-3        |
| 10  | 52971-UP | 1   | ELBOW, 90 - 16 CC5OX JIC/ORB (LONG)                            |             |
| 11  | 53129-UP | 1   | TUBELINE, CHARGE PUMP - Track Machine                          |             |
| 12  | 15498-UP | 1   | CONNECTOR, STR - 6400-16-20                                    |             |
| 13  | REF      | 1   | TRACK DRIVE CHARGE PUMP.....                                   | WD-3        |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



**RADIATOR AND COOLER FAN CIRCUIT****Fan Drive Gauge and Drain Connections**

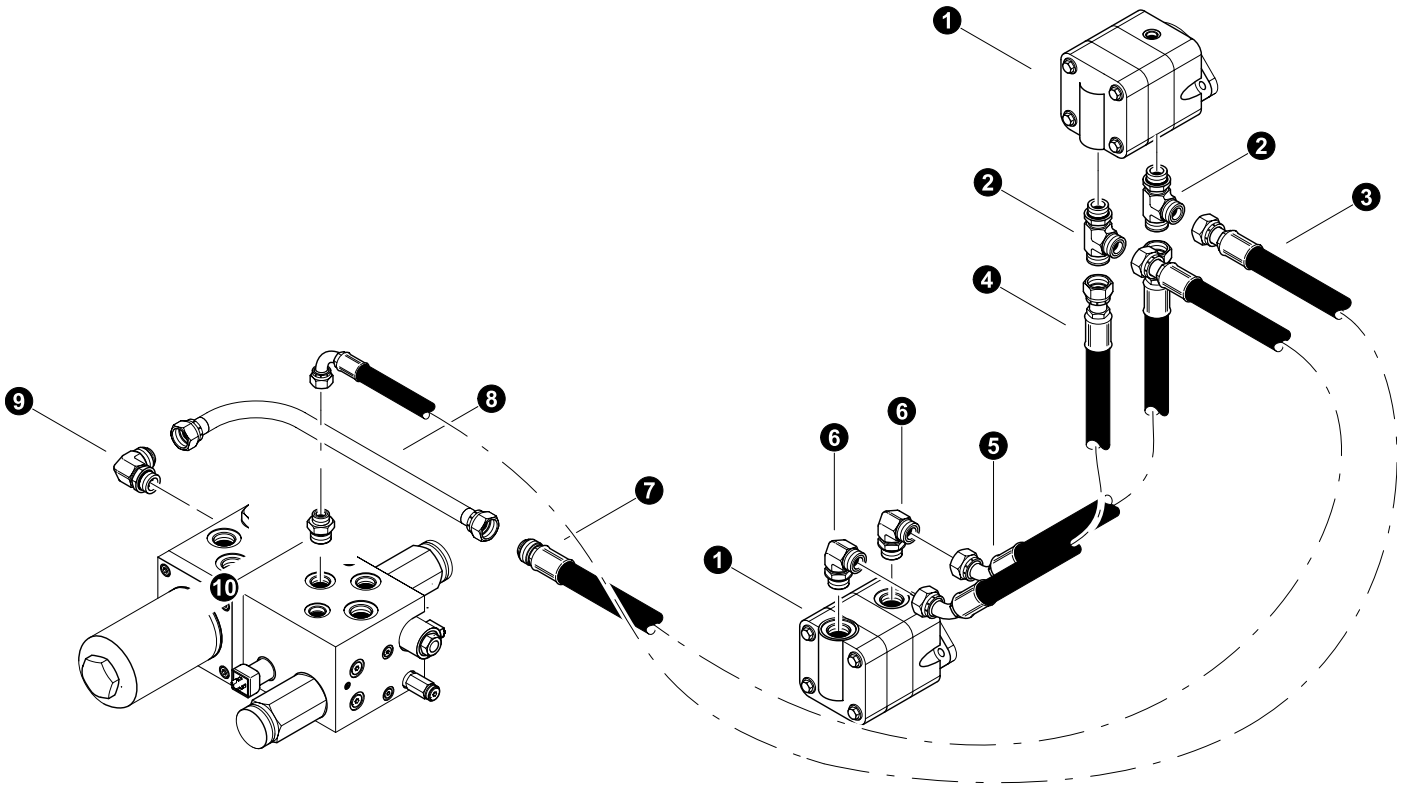
| REF | PART #   | QTY | DESCRIPTION                            | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | HYDRAULIC TANK ASSEMBLY.....           | UP-2        |
| 2   | 22287-UP | 1   | MANIFOLD, PRESSURE CHECK               |             |
| 3   | 16037-UP | 2   | Gauge Tap 1/4" Sae                     |             |
| 4   | 51884-UP | 1   | ELBOW, 45 - (4 V50X-S)                 |             |
| 5   | 51931-UP | 1   | ELBOW, 90 - 4-6 C50X-S (JIC)           |             |
| 6   | -UP      | 1   | HOSE ASSEMBLY - 2008 02 04JS 04JS      |             |
| 7   | -UP      | 1   | HOSE ASSEMBLY - 2015 02 04JS 04JS      |             |
| 8   | 20031-UP | 1   | ELBOW, 90 - 6-8 C5OLO-S                |             |
| 9   | -UP      | 1   | HOSE ASSEMBLY - 2022 06 06OS 06OS..... |             |
| 10  | 24293-UP | 1   | TEE - 4-G5G5JAO-S                      |             |
| 11  | 16296-UP | 1   | ELBOW, 90 - FF1868T-0606S              |             |
| 12  | 51884-UP | 1   | ELBOW, 45 - (4 V50X-S)                 |             |
| 13  | REF      | 1   | FAN CONTROL MANIFOLD.....              | UP-3        |
| 14  | 15480-UP | 1   | ELBOW, 90 - 6801-6                     |             |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T3717 10/08  
25.00

**RADIATOR AND COOLER FAN CIRCUIT****Oil Cooler Fan Motor Pressure and Tank**

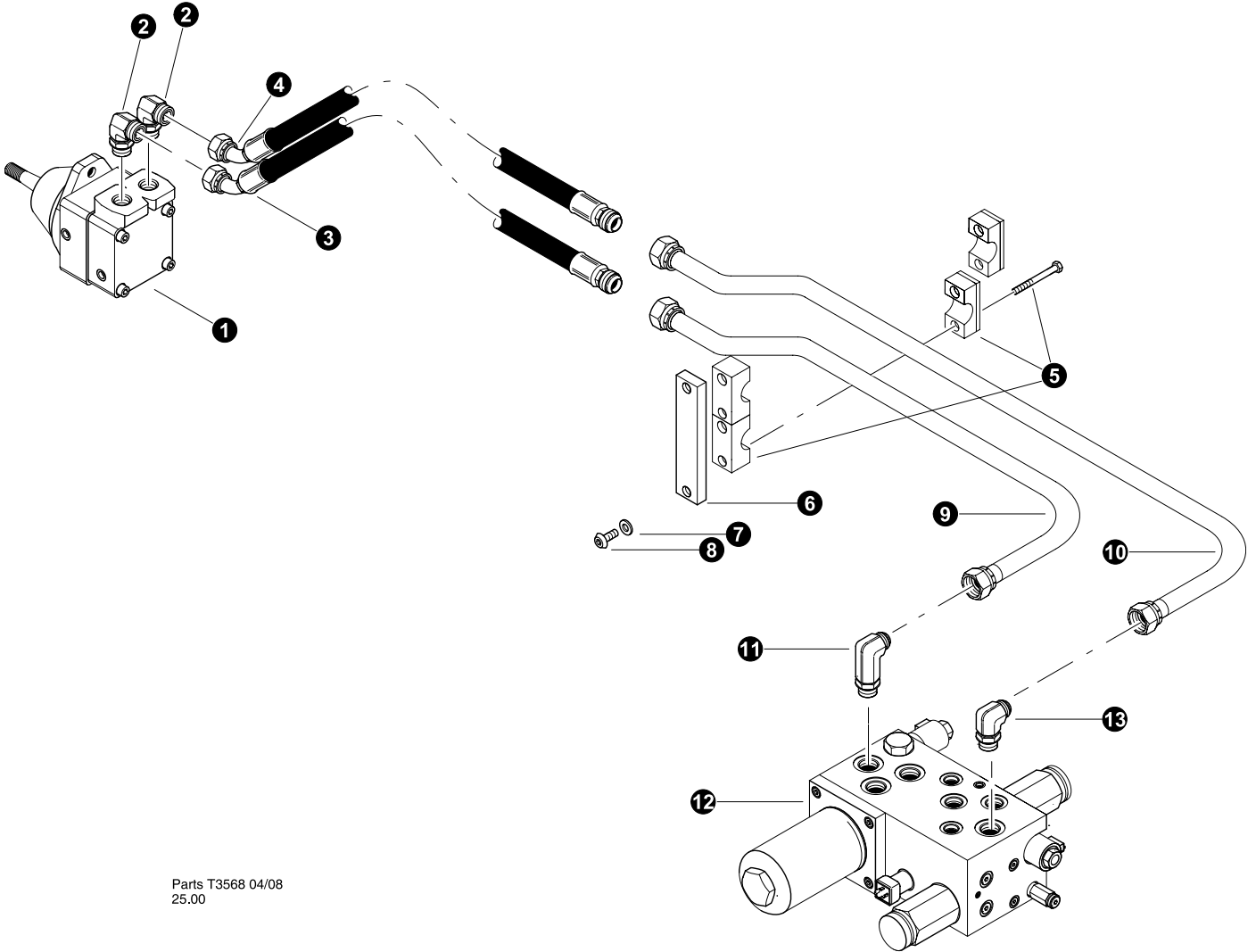
| REF | PART #   | QTY | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   | REF      | 2   | FAN DRIVE MOTOR .....   | UP-3        |
| 2   | 51969-UP | 2   | TEE, RUN - 12 R50LO-S   |             |
| 3   | -UP      | 1   | HOSE ASSEMBLY 2033 12 12JS 1209 (HFB port on fan Manifold to Motor Tee)     |             |
| 4   | -UP      | 1   | HOSE ASSEMBLY 2011.5 12 12OS 1204 (Motor to Motor Jumper)                   |             |
| 5   | -UP      | 1   | HOSE ASSEMBLY 2011.5 12 12OS 1204 (Motor to Motor Jumper)                   |             |
| 6   | 17688-UP | 2   | ELBOW, 90 - FF1868T-1212S   |             |
| 7   | -UP      | 1   | HOSE ASSEMBLY - 2014.5 12 12JS 120S (HFA port on Fan Manifold to Motor Tee) |             |
| 8   | 52938-UP | 1   | TUBELINE, CHARGE/FAN MANIFOLD HA PORT                                       |             |
| 9   | 15484-UP | 1   | ELBOW, 90 - 16 C5OX-S   |             |
| 10  | 15226-UP | 1   | CONNECTOR, STR - FF1852T-1216S  |             |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



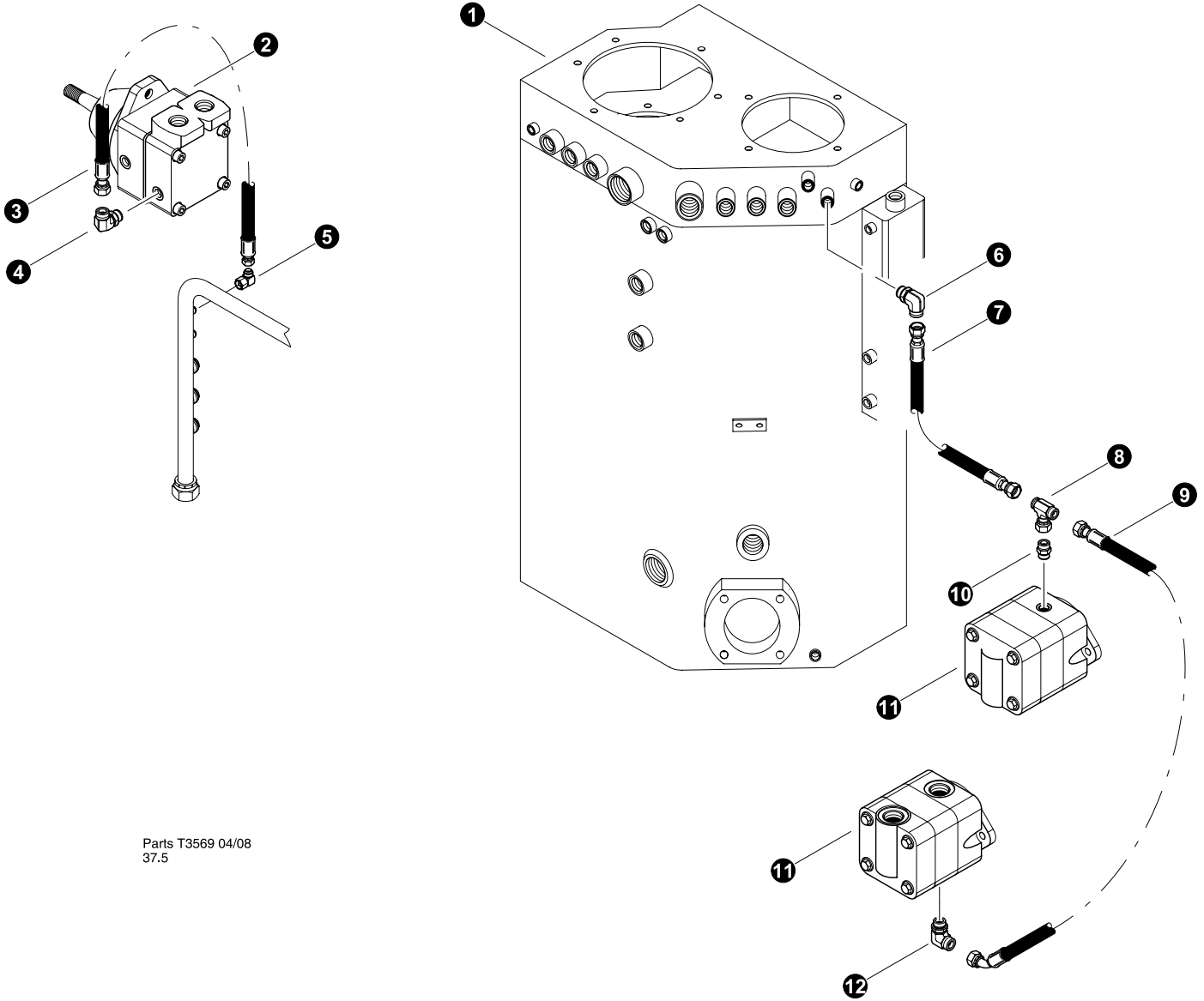
Parts T3568 04/08  
25.00

**RADIATOR AND COOLER FAN CIRCUIT****Radiator Fan Motor Pressure and Tank**

| REF | PART #   | QTY | DESCRIPTION   | SEE SECTION |
|-----|----------|-----|---|-------------|
| 1   | REF      | 2   | FAN DRIVE MOTOR .....   | UP-3        |
| 2   | 19128-UP | 2   | ELBOW, 90 - FF1868T-1216S   |             |
| 3   | -UP      | 1   | HOSE ASSEMBLY 2025 12 12JS 1204 (EFB port bulkhead to radiator fan motor) |             |
| 4   | -UP      | 1   | HOSE ASSEMBLY 2026 12 12JS 1204 (EFA port bulkhead to radiator fan motor) |             |
| 5   | 52992-UP | 2   | CLAMP, STEEL TUBELINE - SINGLE  |             |
| 6   | 52379-UP | 1   | BRACKET, SWIVEL LOCK - TORQUE ARM NEW                                     |             |
| 7   | 15559-UP | 2   | WASHER, SAE FLAT - .3125"   |             |
| 8   | -UP      | 2   | BOLT, BUTTON HEAD - 5/16 (Lawson 81477)                                   |             |
| 9   | 53127-UP | 1   | TUBELINE, CHARGE/FAN MANIFOLD 'EB' PORT                                   |             |
| 10  | 53126-UP | 1   | TUBELINE, CHARGE/FAN MANIFOLD 'EA' PORT                                   |             |
| 11  | 52971-UP | 1   | ELBOW, 90 - 16 CC50X JIC/ORB (LONG)                                       |             |
| 12  | REF      | 1   | FAN CONTROL MANIFOLD.....   | UP-3        |
| 13  | 15484-UP | 1   | ELBOW, 90 - 16  |             |



See referenced page for component or assembly breakdown.



Parts T3569 04/08  
37.5



**RADIATOR AND COOLER FAN CIRCUIT****Fan Motor Case Drains**

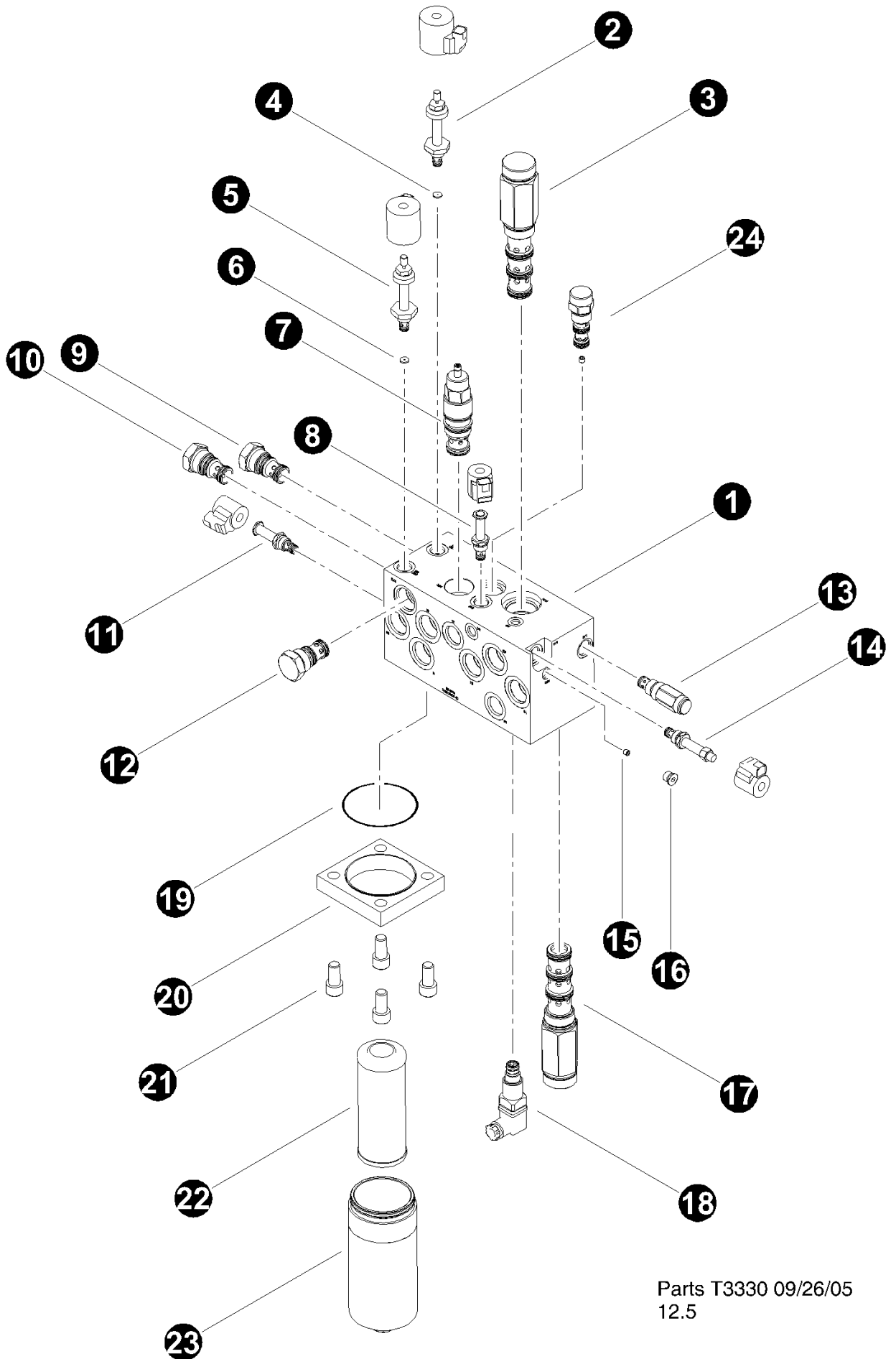
| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | HYDRAULIC TANK BREAKDOWN .....                                   | UP-2        |
| 2   | REF      | 2   | FAN DRIVE MOTOR .....  | UP-3        |
| 3   | -UP      | 1   | HOSE ASSEMBLY 2022 06 04JS 06OS (Fan Motor to Case Drain Tube)   |             |
| 4   | 16296-UP | 1   | ELBOW, 90 - FF1868T-0606S  |             |
| 5   | 16661-UP | 1   | ELBOW, 90 SWIVEL - 6500-6  |             |
| 6   | 20031-UP | 1   | ELBOW, 90 - 6-8 C5OLO-S  |             |
| 7   | -UP      | 1   | HOSE ASSEMBLY 2009.5 06 06OS 0604 (fan motor case drain to tank) |             |
| 8   | 52900-UP | 1   | SWIVEL, NUT BRANCH TEE   |             |
| 9   | -UP      | 1   | HOSE ASSEMBLY 2034 06 06OS 0604 (Cooler Fan Case Jumper)         |             |
| 10  | 18034-UP | 1   | CONNECTOR, STR - FF1852T-0606S                                   |             |
| 11  | REF      | 2   | FAN DRIVE MOTOR .....  | UP-3        |
| 12  | 16296-UP | 1   | ELBOW, 90 - FF1868T-0606S  |             |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

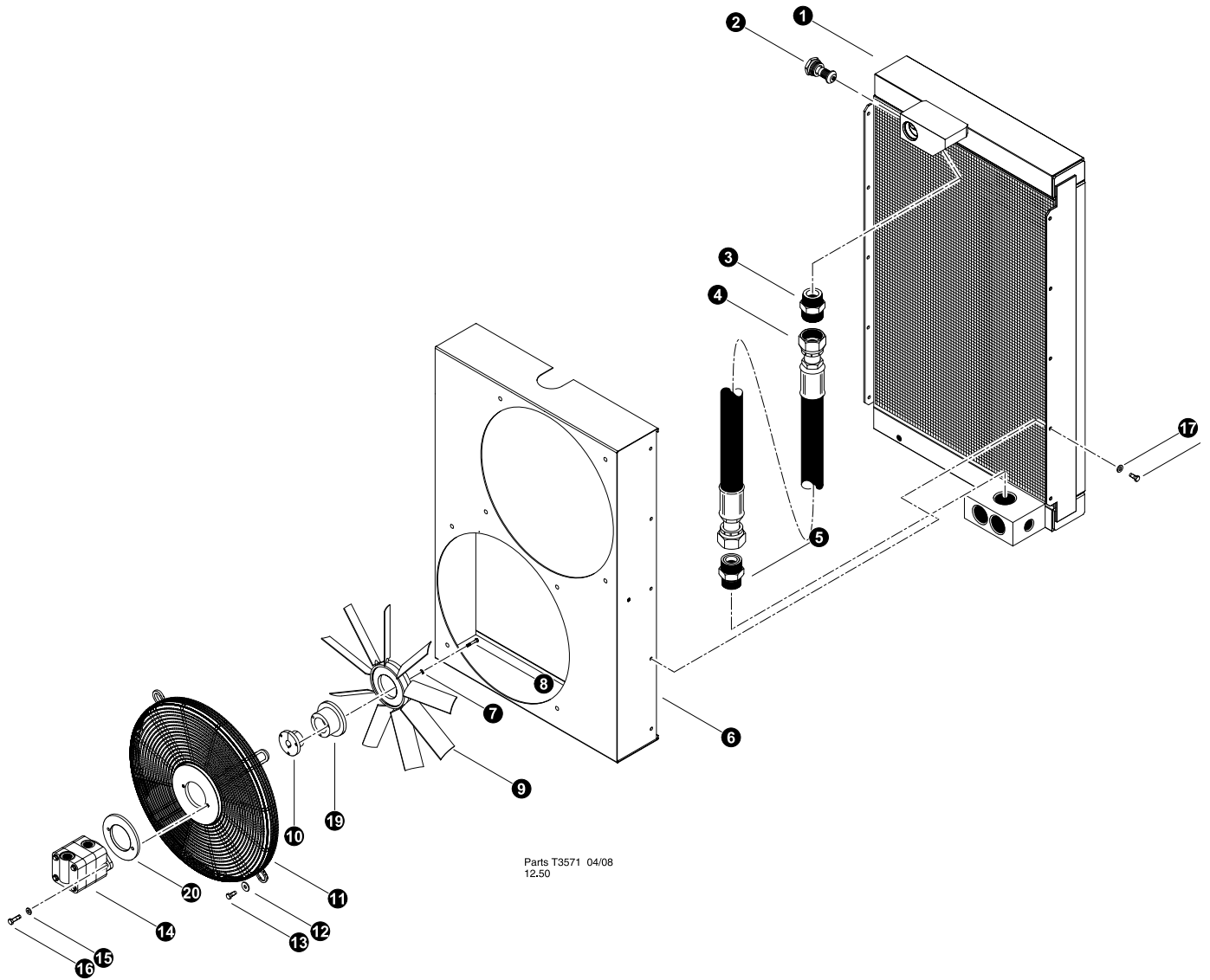


Parts T3330 09/26/05  
12.5

**RADIATOR AND COOLER FAN CIRCUIT****Fan Drive Manifold Breakdown**

| REF | PART #   | QTY |                          | DESCRIPTION                                       | SEE SECTION |
|-----|----------|-----|--------------------------|---|-------------|
| -   | 52099-UP | 1   | <input type="checkbox"/> | VALVE, FAN / CHARGE SYSTEM CONTROL                |             |
| 1   | -UP      | 1   |                          | MANIFOLD, fan / charge                            |             |
| 2   | 52092-UP | 1   |                          | CARTRIDGE, HYDRAFORCE -TS38-20BM-0-N-24ER-VCO8-2  |             |
| -   | -UP      | 1   |                          | COIL, 24 V (4303724) NUT (4540560)                |             |
| -   | 52225-UP | 1   |                          | KIT, SEAL (SKO8-2X-B)                             |             |
| 3   | 52134-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - PD42-M40N-0-N-160-VC42-M4 |             |
| -   | 52226-UP | 1   |                          | KIT, SEAL (SK42-4X-MMM)                           |             |
| 4   | -UP      | 1   |                          | ORIFACE   |             |
| 5   | 52092-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE -TS38-20BM-0-N-24ER-VCO8-2  |             |
| -   | -UP      | 1   |                          | COIL, 24 V (4303724) - NUT (4540560)              |             |
| -   | 52225-UP | 1   |                          | KIT, SEAL (SKO8-2X-B)                             |             |
| 6   | -UP      | 1   |                          | ORIFACE   |             |
| 7   | 52223-UP | 1   | <input type="checkbox"/> | CARTRIDGE, SUN HYDRAULICS - SCGA-LDNT-17A         |             |
| -   | 52227-UP | 1   |                          | KIT, SEAL (990-017-006)                           |             |
| 8   | 52222-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - SV08-20-0-N-24ER          |             |
| -   | -UP      | 1   |                          | COIL, 24 V (4303624) NUT (7004400)                |             |
| -   | 52228-UP | 1   |                          | KIT, SEAL (SKO8-3X-MM)                            |             |
| 9   | 52220-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - EV16-S34-0-N-70-VC16-S3   |             |
| -   | 52229-UP | 1   |                          | KIT, SEAL (SK16-3X-MM)                            |             |
| 10  | 52220-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - EV16-S34-0-N-70-VC16-S3   |             |
| -   | 52229-UP | 1   |                          | KIT, SEAL (SK16-3X-MM)                            |             |
| 11  | 52221-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE -SV08-21-VCO8-2             |             |
| -   | -UP      | 1   |                          | COIL, 24 V (4303624) NUT (7004410)                |             |
| -   | -UP      | 1   |                          | KIT, SEAL (SKO8-2X-T)                             |             |
| 12  | 52220-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - EV16-S34-0-N-0-70-VC16-S3 |             |
| -   | 52229-UP | 1   |                          | KIT, SEAL (SK16-3X-MM)                            |             |
| 13  | 21673-UP | 1   | <input type="checkbox"/> | CARTRIDGE, relief valve (RV10)                    |             |
| -   | -UP      | 1   |                          | KIT, SEAL (SK10-2X-MM)                            |             |
| 14  | 52091-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - SVO8-30M-0-P-24ER-VCO8-3  |             |
| -   | -UP      | 1   |                          | COIL, 24 V (4303624) NUT (7004400)                |             |
| -   | 52228-UP | 1   |                          | KIT, SEAL (SKO8-3X-MM)                            |             |
| 15  | -UP      | 1   |                          | ORIFACE   |             |
| 16  | -UP      | 1   |                          | PLUG  |             |
| 17  | 52134-UP | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - PD42-M40N-0-N-160-VC42-M4 |             |
| -   | 52226-UP | 1   |                          | KIT, SEAL (SK42-4X-MMM)                           |             |
| 18  | 17675-UP | 1   |                          | SWITCH, filter indicator                          |             |
| 19  | -UP      | 1   |                          | O-RING, Filter canister flange                    |             |
| 20  | -UP      | 1   |                          | FLANGE, Filter canister                           |             |
| 21  | -UP      | 4   |                          | BOLT, ALLEN -                                     |             |
| 22  | 19861-UP | 1   |                          | ELEMENT, hydrostatic charge filter                |             |
| 23  | 19864-UP | 1   | <input type="checkbox"/> | CANISTER  |             |
| -   | 19863-UP | 1   |                          | O-RING, canister                                  |             |
| -   | 19862-UP | 1   |                          | RING, back-up - canister                          |             |
| 24  | -UP      | 1   | <input type="checkbox"/> | CARTRIDGE, HYDRAFORCE - EP12-S35-0-N-90-VC12-S3   |             |
| -   | 52230-UP | 1   |                          | KIT, SEAL (SK12-3X-MM)                            |             |

Kit or assembly. Includes all items indented underneath.



**RADIATOR AND COOLER FAN CIRCUIT****Oil Cooler Breakdown**

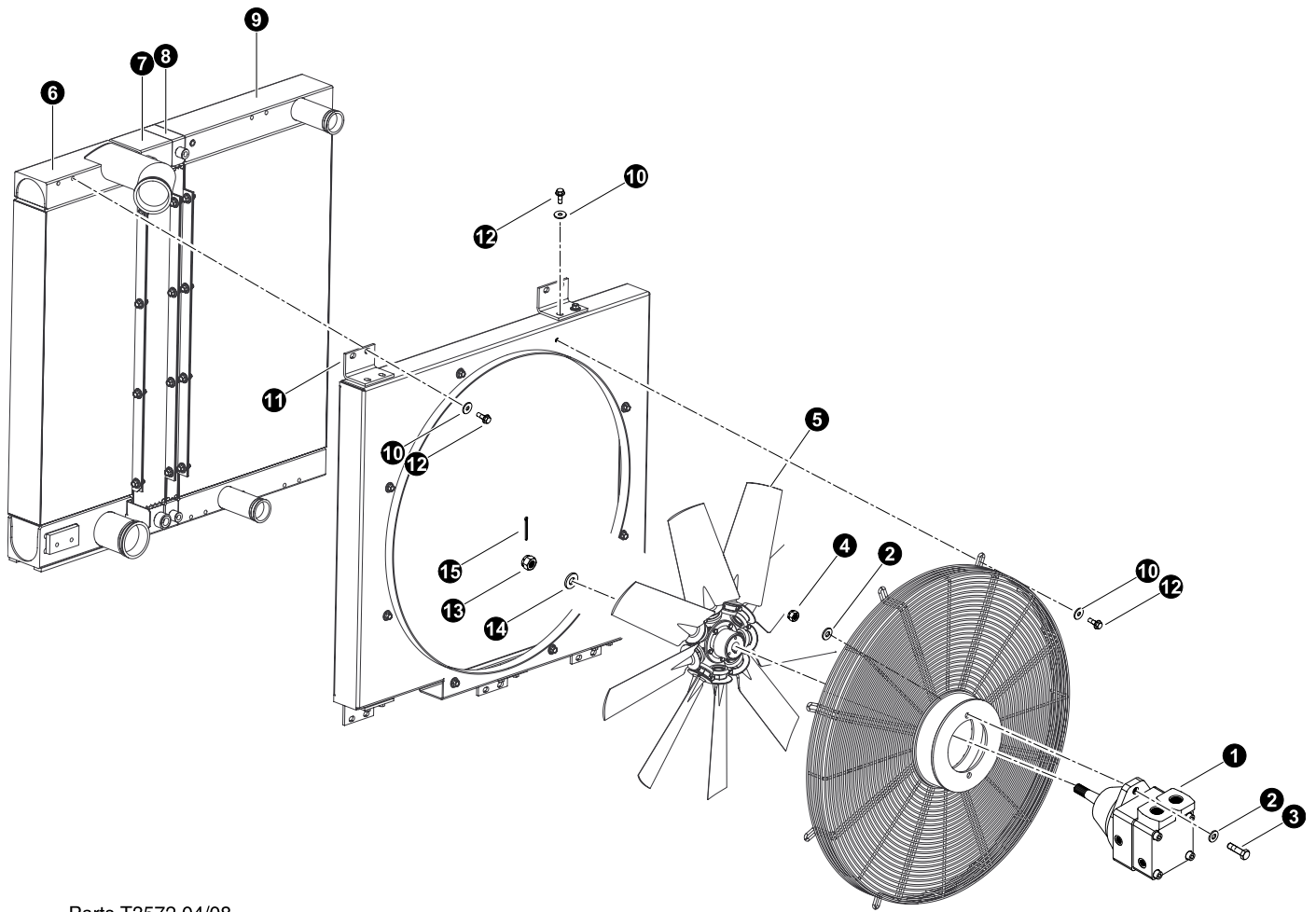
| REF | PART #   | QTY |   | DESCRIPTION                               | SEE SECTION |
|-----|----------|-----|---|---|-------------|
| -   | 52534-UP | 1   | ☐ | COOLER, OIL - HYD REMOTE MOUNT (complete) |             |
| 1   | 52018-UP | 1   |   | OIL COOLER, CORE (830)                    |             |
| 2   | 22491-UP | 1   |   | VALVE, RELIEF - 1.5" BYPASS (GT)          |             |
| 3   | 22319-UP | 1   |   | CONNECTOR, STR - THERMAL BYPASS (GT)      |             |
| 4   |          | 1   |   | HOSE ASSEMBLY -                           |             |
| 5   | 22319-UP | 1   |   | CONNECTOR, STR - THERMAL BYPASS (GT)      |             |
| 6   | 52017-UP | 1   | ☐ | SHROUD, OIL COOLER                        |             |
| 7   | 10818-UP | 6   |   | BOLT - .25" X 3"                          |             |
| 8   | 10756-UP | 6   |   | WASHER, LOCK - .25"                       |             |
| 9   | 52020-UP | 2   |   | FAN, OIL COOLER 19" (830)                 |             |
| 10  | 52505-UP | 1   |   | HUB, TAPER FAN - OIL COOLER (830)         |             |
| 11  | 52019-UP | 2   |   | GUARD, FAN (830 OIL COOLER)               |             |
| 12  |          | 8   |   | WASHER, .375" (FENDER WASHER)             |             |
| 13  | 11707-UP | 8   |   | BOLT - .375" X 1"                         |             |
| 14  | REF      | 2   | ☒ | MOTOR, HYDRAULIC OIL COOLER FAN. ....     | UP-3        |
| 15  | 10701-UP | 4   |   | WASHER, LOCK - .375"                      |             |
| 16  | 10402-UP | 4   |   | BOLT - .375" X 1.25"                      |             |
| 17  | 15559-UP | 10  |   | WASHER, SAE FLAT - .3125"                 |             |
| 18  | 15605-UP | 10  |   | BOLT - .3125" X .75"                      |             |
| 19  | 52034-UP | 1   |   | HUB, FAN MOUNT - COOLER (830)             |             |
| 20  | 52996-UP | 1   |   | SPACER, FAN MOTOR OIL COOLER              |             |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T3572 04/08  
25

**RADIATOR AND COOLER FAN CIRCUIT****Radiator Breakdown****Machine TL735B-0160-081712 and before**

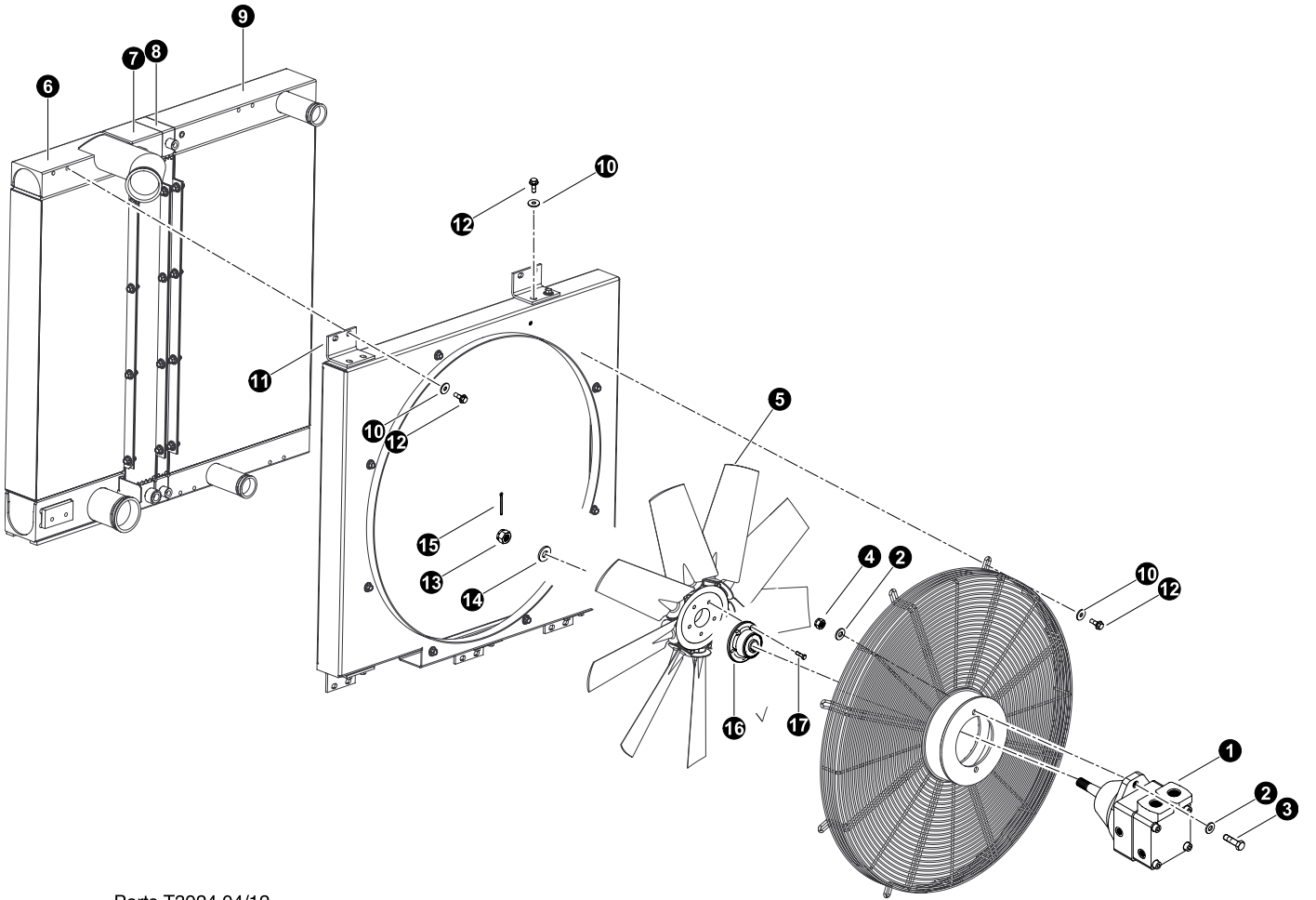
| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | MOTOR, RADIATOR FAN .....                                      | UP-3        |
| 2   | 10736-UP | 2   | BOLT - .5" X 2"  |             |
| 3   | 15534-UP | 4   | WASHER, SAE FLAT - .5"   |             |
| 4   | 10815-UP | 2   | NUT, LOCK - .5"  |             |
| 5   | 53216-UP | 1   | FAN, ENGINE - AKG RADIATOR                                     |             |
| -   | 52799-UP | 1   | <input type="checkbox"/> RADIATOR/CHARGE AIR - HYD DRIVE (AKG) |             |
| 6   | -UP      | 1   | Charge Air Cooler (AKG 3918.002.5000)                          |             |
| 7   | -UP      | 1   | A/C Condenser (AKG 3918.002.6000)                              |             |
| 8   | -UP      | 1   | Gearbox Oil Cooler (AKG 3918.002.4000)                         |             |
| 9   | -UP      | 1   | Radiator (AKG 3918.002.2000)                                   |             |
| 10  | -UP      | 30  | Washer, 3/8" (AKG 8054.036.0000)                               |             |
| 11  | -UP      | 1   | Bracket, angle (AKG 3918.002.0001)                             |             |
| 12  | -UP      | 30  | Bolt, flanged head 3/8 (AKG 8050.037.0000)                     |             |
| 13  | 53189-UP | 1   | NUT, CASTLE - M16-1.5  |             |
| 14  | 10771-UP | 1   | WASHER, SAE FLAT - .625"                                       |             |
| 15  | -UP      | 1   | Pin, cotter 1" x 1/8" (Lawson 1029)                            |             |



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T3924 04/12  
25



## RADIATOR AND COOLER FAN CIRCUIT

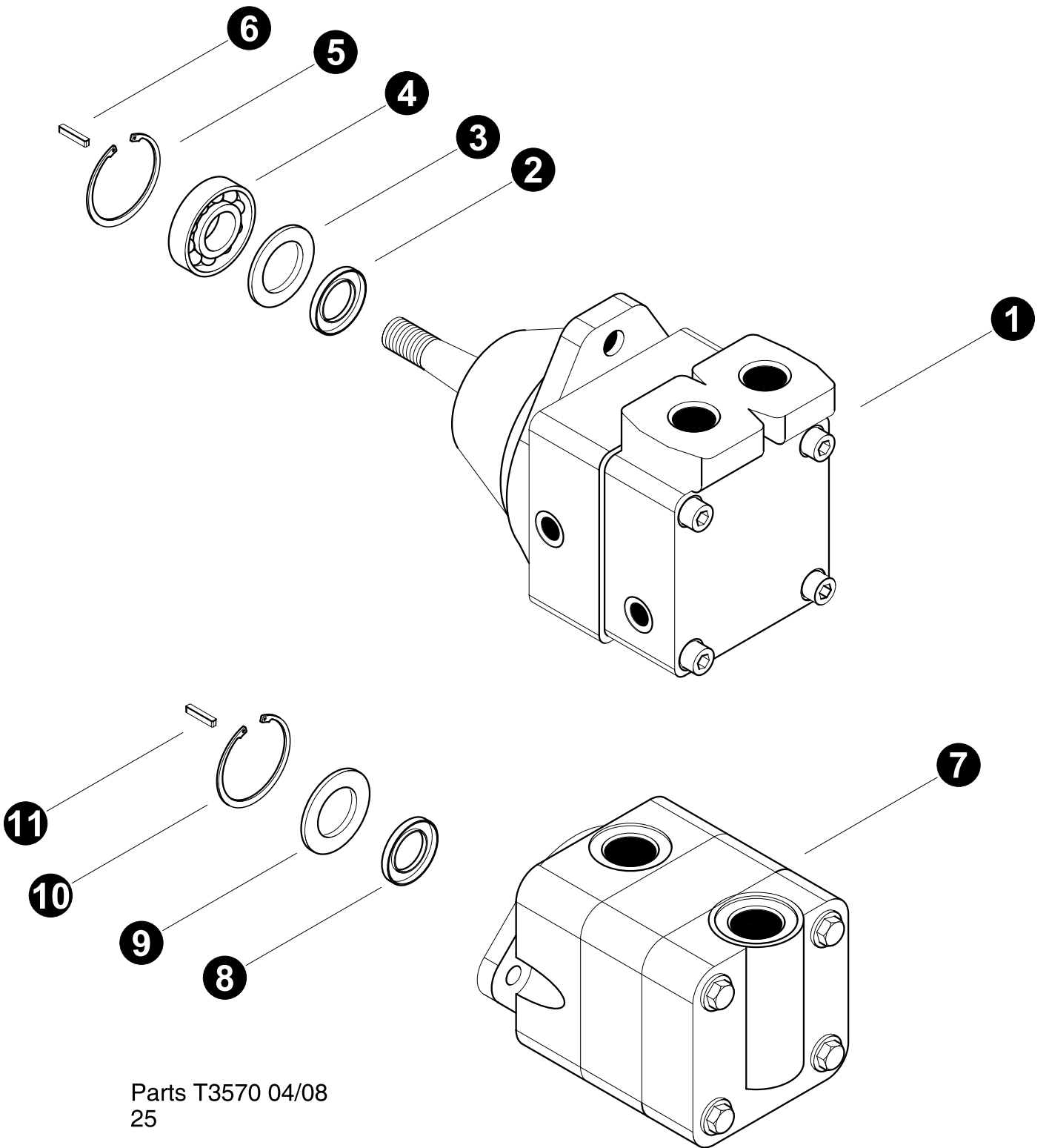
### Radiator Breakdown

#### Machine TN725B-0161-082512 and After

| REF | PART #   | QTY | DESCRIPTION  | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | REF      | 1   | MOTOR, RADIATOR FAN .....                                      | UP-3        |
| 2   | 10736-UP | 2   | BOLT - .5" X 2"  |             |
| 3   | 15534-UP | 4   | WASHER, SAE FLAT - .5"   |             |
| 4   | 10815-UP | 2   | NUT, LOCK - .5"  |             |
| 5   | 53216-UP | 1   | FAN, ENGINE - AKG RADIATOR                                     |             |
| -   | 52799-UP | 1   | <input type="checkbox"/> RADIATOR/CHARGE AIR - HYD DRIVE (AKG) |             |
| 6   | -UP      | 1   | Charge Air Cooler (AKG 3918.002.5000)                          |             |
| 7   | -UP      | 1   | A/C Condenser (AKG 3918.002.6000)                              |             |
| 8   | -UP      | 1   | Gearbox Oil Cooler (AKG 3918.002.4000)                         |             |
| 9   | -UP      | 1   | Radiator (AKG 3918.002.2000)                                   |             |
| 10  | -UP      | 30  | Washer, 3/8" (AKG 8054.036.0000)                               |             |
| 11  | -UP      | 1   | Bracket, angle (AKG 3918.002.0001)                             |             |
| 12  | -UP      | 30  | Bolt, flanged head 3/8 (AKG 8050.037.0000)                     |             |
| 13  | 53189-UP | 1   | NUT, CASTLE - M16-1.5  |             |
| 14  | 10771-UP | 1   | WASHER, SAE FLAT - .625"                                       |             |
| 15  | -UP      | 1   | Pin, cotter 1" x 1/8" (Lawson 1029)                            |             |
| 16  | 52219-UP | 1   | HUB, FAN MOUNT - RADIATOR (830)                                |             |
| 17  | -UP      | 5   | BOLT -   |             |

See referenced page for component or assembly breakdown.

Kit or Assembly - includes all items indented underneath.



Parts T3570 04/08  
25

**RADIATOR AND COOLER FAN CIRCUIT****Fan Drive Motors**

| REF | PART #   | QTY |   | DESCRIPTION                              | SEE SECTION |
|-----|----------|-----|---|--|-------------|
| 1   | 52979-UP | 1   | ☐ | MOTOR, FAN DRIVE - RADIATOR (VANE STYLE) |             |
| 2   | -UP      | 1   |   | SEAL, SHAFT - RADIATOR FAN MOTOR         |             |
| 3   |          | 1   |   | RETAINER, SEAL                           |             |
| 4   |          | 1   |   | BEARING                                  |             |
| 5   |          | 1   |   | RING, SNAP                               |             |
| 6   |          | 1   |   | KEY -                                    |             |
| 7   | 52875-UP | 1   | ☐ | MOTOR, FAN DRIVE - OIL COOLER (VANE STYL |             |
| 8   | -UP      | 1   |   | SEAL, SHAFT                              |             |
| 9   |          | 1   |   | RETAINER, SEAL                           |             |
| 10  |          | 1   |   | RING, SNAP                               |             |
| 11  |          | 1   |   | KEY -                                    |             |



See referenced page for component or assembly breakdown.



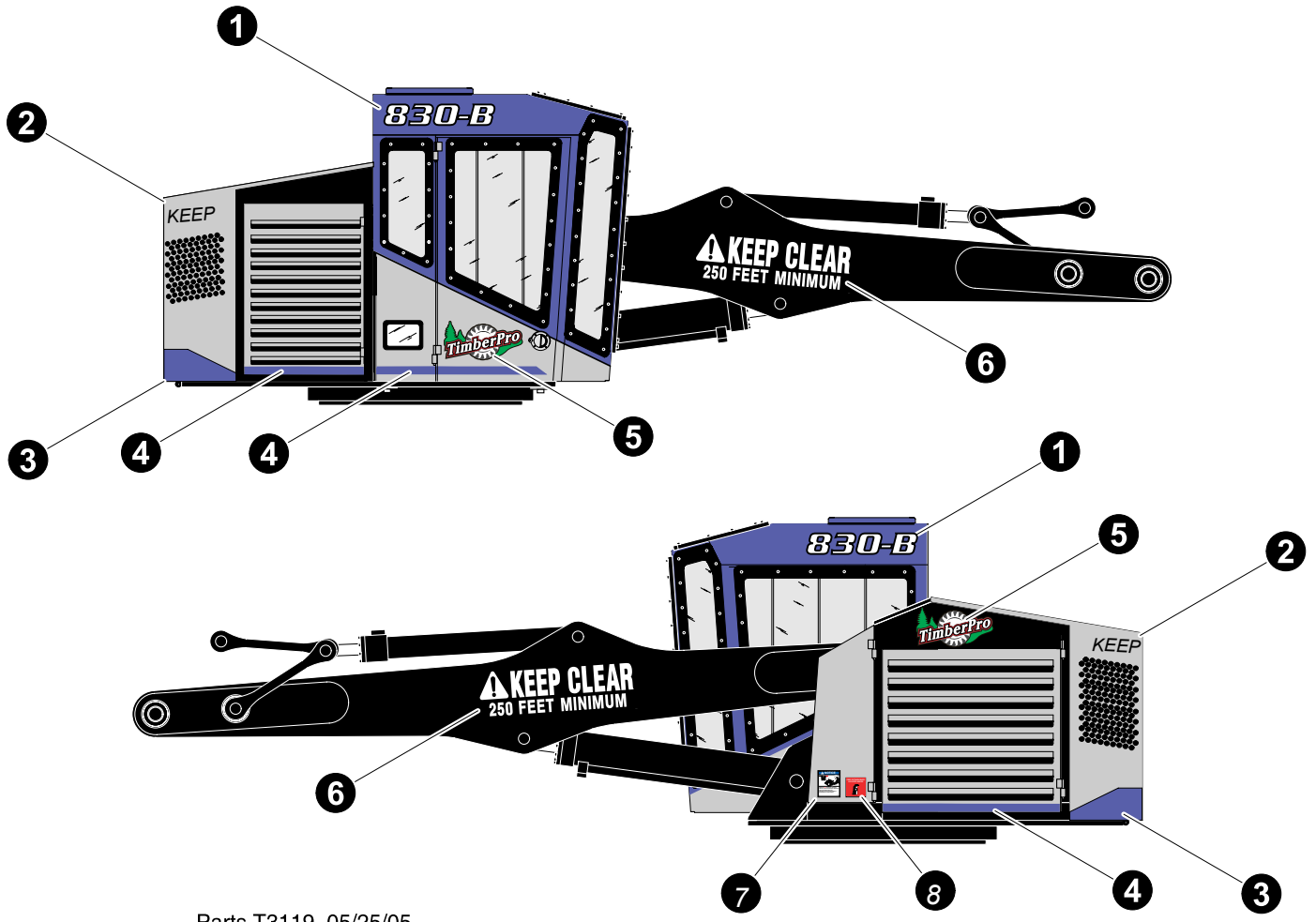
Kit or Assembly - includes all items indented underneath.



# Section UP-4

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## Upper Turntable - Decals



Parts T3119 05/25/05

**UPPER TURNTABLE DECALS**

| REF | PART #     | QTY   | DESCRIPTION                                     | SEE SECTION |
|-----|------------|-------|---|-------------|
| 1   | 53248-UP   | 2     | DECAL, MODEL# - TN725-B                         |             |
|     | 53247-UP   | 2     | DECAL, MODEL# - TL725-B                         |             |
|     | 52678-UP   | 2     | DECAL, MODEL# - TL735-B                         |             |
| 2   | 51917en-UP | 1     | DECAL, KEEP CLEAR 250 FEET - GULLWING (ENGLISH) |             |
|     | 51917ru-UP | 1     | DECAL, KEEP CLEAR 250 FEET - GULLWING (RUSSIAN) |             |
|     | 51917fr-UP | 1     | DECAL, KEEP CLEAR 250 FEET - GULLWING (FRENCH)  |             |
| 3   | 51914-UP   | 1     | DECAL, GULLWING STRIP - RED                     |             |
|     | 51915-UP   | 1     | DECAL, GULLWING STRIP - GREEN                   |             |
|     | 51916-UP   | 1     | DECAL, GULLWING STRIP - BLUE                    |             |
| 4   | 51918-UP   | 10 ft | DECAL, ACCENT STRIP - 2 INCH WIDTH (RED)        |             |
|     | 51919-UP   | 10 ft | DECAL, ACCENT STRIP - 2 INCH WIDTH (GREEN)      |             |
|     | 51920-UP   | 10 ft | DECAL, ACCENT STRIP - 2 INCH WIDTH (BLUE)       |             |
| 5   | 50695-UP   | 2     | DECAL, TIMBERPRO LOGO - 18" WHEEL               |             |
| 6   | 16059en-UP | 2     | DECAL, KEEP CLEAR (ENGLISH)                     |             |
|     | 16059ru-UP | 2     | DECAL, KEEP CLEAR (RUSSIAN)                     |             |
|     | 16059fr-UP | 2     | DECAL, KEEP CLEAR (FRENCH)                      |             |
| 7   | 24286-UP   | 1     | DECAL, WELDING NOTICE                           |             |
| 8   | 51820-UP   | 1     | DECAL, Fire Extinguisher inside                 |             |

**DO NOT OPERATE UNTIL READING THESE INSTRUCTIONS!**

OPERATOR AND SERVICE PERSONAL MUST READ OPERATORS MANUAL BEFORE OPERATING THIS MACHINE!

TO ACTIVATE CONTROLS THE CAB DOOR MUST BE CLOSED AND THE SYSTEM ARM SWITCH ACTIVATED.

1. Engine Throttle control - Turn clockwise to increase R.P.M. On cold starts keep R.P.M. low until oil warms up.
2. System Arm - After closing the cabin door press the "System Arm" switch to activate the machines control system. Press again or open the cabin door to deactivate the system.
3. Charge Heater switch - Press the "Charge Heater" switch to activate the hydraulic oil charge heater system. This system warms the hydraulic oil and will not let the machines control system be active until turned off.
4. Parking Brake switch - Press the "Parking Brake" switch to activate the parking brake. Press switch again to turn off the parking brake and activate the "Auto Brake" feature.
5. Wheel drive speed control - Turn clockwise to increase track drive speed or counter-clockwise to decrease track drive speed.
6. Hydraulic motor shift switch - Press the "Motor Shift" switch to lock both track drive motors in MAX displacement for low speed and MAX power.
7. Spare -
8. Disc Saw - Press the "Disc Saw" switch to activate the (OPTIONAL) Disc Saw attachment.

**WARNING**  
CHECK OPERATOR'S EMERGENCY ESCAPE PROCEDURE BEFORE OPERATING.

SEE YOUR OPERATOR'S & ATTACHMENT MANUAL FOR SPECIFIC PROCEDURES.

**WARNING**  
DIESEL ENGINE EXHAUST Fumes contain hazardous to your health gases which will ventilate areas.

**WARNING**  
TO PREVENT MACHINE FIRE KEEP AREAS NEAR ENGINE CLEAR OF OIL AND FUEL. CLEAN OIL AND FUEL COMPONENTS FREE OF OILS, GREASE AND FUEL. CLEAN OILS, GREASE AND FUEL FROM THE FUEL SYSTEMS ON MACHINE AND FROM HOW TO USE IT.

**WARNING**  
SOME ATTACHMENTS CAN CONTACT THE OPERATOR'S CAB.

ALWAYS BE CAREFUL WHEN MOVING CLOSE TO THE MACHINE.

PN 52677

1

Cut Out and Remove

Cut Out and Remove

Cut Out and Remove

**DO NOT OPERATE UNTIL READING THESE INSTRUCTIONS!**

OPERATOR AND SERVICE PERSONAL MUST READ OPERATORS MANUAL BEFORE OPERATING THIS MACHINE!

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PN 52677

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7. Spare -
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2

Cut Out and Remove

Cut Out and Remove

Cut Out and Remove

**WARNING**  
WHEN FUELING, MAINTAINING OR REPAIRING, SET ENGINE & ATTACHMENTS TO OFF POSITION AND SHUT DOWN ENGINE.

**WARNING**  
NEVER OPERATE THE MACHINE WITHOUT DOOR CLOSED AND SEAT BELT FASTENED.

**WARNING**  
QUALIFIED OPERATORS ONLY. STUDY OPERATOR'S MANUAL. INJURY OR DEATH CAN RESULT FROM UNTRAINED OPERATOR.

VACUUM PUMP    HYD TANK VENT    ACC    OFF    RUN    START

HYDRAULIC TANK    LIGHTS



**3**

**VERY IMPORTANT**

WHEN HYDRAULIC LEAK OCCURS, TURN OFF ENGINE, ACTIVATE VACUUM PUMP AND ONLY LEAVE ON UNTIL LEAK IS REPAIRED. BEFORE START UP, TURN TO VENT FOR 60 SECONDS TO PREVENT PUMP DAMAGE.

PN 52677

**4**

**NOTICE**

ALWAYS REPLACE FUSE WITH THE ONE THAT IS SPECIFIED. THIS MACHINE IS EQUIPPED WITH A 24 VDC ELECTRICAL SYSTEM.

PN 52677



**7**

**CAUTION**

SEVERE STRUCTURAL DAMAGE CAN OCCUR IF TAPERED HUB ASSEMBLIES ARE NOT KEPT TIGHT

Torque Tapered Hub Retaining Bolts to 100 ft.Lbs. (135 Nm)

THE FOLLOWING BREAK-IN PROCEDURE MUST BE PERFORMED:

1. Torque tapered hub retaining bolts after the first 2 hours of operation (5 pivots, 1 pivot if no cab level system).
2. Torque tapered hub retaining bolts each day of operation until the tapered hub is seated (the tapered hub is seated when the retaining bolts no longer loosen with operation).
3. Torque tapered hub retaining bolts after every 50 hours of operation.
4. Visually inspect tapered hub pivots daily.

PN 52688

**8**

**NOTICE**

FOR SAFETY, PRACTICE THE FOLLOWING SAFETY MEASURES.

**GENERAL SAFETY RULES**

1. To operate this piece of machinery YOU MUST BE TRAINED AND QUALIFIED.
2. Study the operator's manual and check your company's regulations and safety procedures.
3. Get to know capabilities and limitations of equipment and correct operating procedures.
4. Operate equipment only when you feel physically fit and not under the influence of alcohol or drugs.
5. Keep a serviceable first aid kit in good order on the vehicle.
6. Maintain a charged fire extinguisher on the vehicle AND KNOW HOW TO USE IT.
7. Do not remove mufflers, spark arrestors, protection guards.
8. Clean out debris from high heat areas, such as engine compartment, on at least a daily basis and always after cutting operations for the day.
9. Keep floor, steps and running boards clean and free of oil, ice, mud and loose objects.
10. Inspect equipment daily for signs of failure or beginning of failure.
11. When fueling, servicing or repairing, set buttons on the ground and shut down engine.
12. Controls should not be changed without written consent from the factory.

**OPERATING SAFETY MEASURE®**

1. Check all controls and functions for correct response before beginning work cycle with equipment.
2. Use seat belt at all times when operating the machine.
3. Operate all controls from the operator's station only.
4. Whenever leaving the operator's seat, stop the engine. Set boom on the ground so they are not supported by the hydraulics.
5. Be very careful when operating on slopes. Whenever possible, travel straight up or down to minimize possibility of rollover.
6. Be aware of people around the equipment at all times. When engine is running, maintain a safe operating distance between the equipment and other personnel and follow the approved signaling practices.
7. Use recommended protective clothing and devices such as gloves, safety boots, safety hats, goggles and ear protection when necessary.
8. Carry no passengers.



**10**

**EMERGENCY ESCAPE**



**UPPER TURNTABLE DECALS****CAB DECALS**

| REF | PART #     | QTY | DESCRIPTION                                      | SEE SECTION |
|-----|------------|-----|--|-------------|
| 1   | 52677en-UP | 1   | DECAL, DASH - Slope Top (TRACK) English          |             |
|     | 52677sp-UP | 1   | DECAL, DASH - Slope Top (TRACK) Spanish          |             |
|     | 52677fr-UP | 1   | DECAL, DASH - Slope Top (TRACK) French           |             |
|     | 52677ru-UP | 1   | DECAL, DASH - Slope Top (TRACK) Russian          |             |
| 2   | 53825en-UP | 1   | DECAL, DASH - FLAT TOP (TRACK) English           |             |
|     | 53825sp-UP | 1   | DECAL, DASH - FLAT TOP (TRACK) Spanish           |             |
|     | 53825fr-UP | 1   | DECAL, DASH - FLAT TOP (TRACK) French            |             |
|     | 53825ru-UP | 1   | DECAL, DASH - FLAT TOP (TRACK) Russian           |             |
| 3   | 50694-UP   | 1   | DECAL, TIMBERPRO LOGO - 10" WHEEL                |             |
| 4   | 51873-UP   | 1   | DECAL, Vacuum Switch Warning                     |             |
| 5   | 51720-UP   | 1   | DECAL, electrical center warning                 |             |
| 6   | 51983-UP   | 1   | Decal, Flag USA 830-630                          |             |
| 7   | 18066-UP   | 1   | DECAL, TAPERED HUB TORQUE                        |             |
| 8   | 16062en-UP | 1   | DECAL, CAB OPS INSTRUCTION (english)             |             |
|     | 16062ru-UP | 1   | DECAL, CAB OPS INSTRUCTION (russsian)            |             |
|     | 16062fr-UP | 1   | DECAL, CAB OPS INSTRUCTION (french)              |             |
| 9   | 19540-UP   | 4   | DECAL, EMERGENCY ESCAPE - 1.5" DIA.              |             |
| 10  | 19539en-UP | 2   | DECAL, EMERGENCY ESCAPE - 2" x 12.625" (english) |             |
|     | 19539ru-UP | 2   | DECAL, EMERGENCY ESCAPE - 2" x 12.625" (russian) |             |
|     | 19539fr-UP | 2   | DECAL, EMERGENCY ESCAPE - 2" x 12.625" (french)  |             |

**1**

**MASTER ELECTRICAL DISCONNECT**  
(under this cover)

Turn "OFF" when leaving machine unattended.

ON OFF

PN# 51821

**4**

**NOTICE**

GREASE FILTER CANISTER THREADS BEFORE INSTALLATION. FAILURE TO DO SO MAY CAUSE THE FILTER CANISTER THREADS TO SEIZE.

PN# 23451

**6**

Charge Pressure Charge Heater

PN# 53201

**7**

Wheel Drive Pressure

Imp Pressure

PN# 53201

**2**

**WARNING**

FAN GUARD MUST BE BOLTED IN PLACE BEFORE OPERATING THIS UNIT. KEEP CLEAR OF ALL MOVING PARTS. SERIOUS PERSONAL INJURY COULD RESULT.

PN# 53755

**5**

DOOR LIFT PUMP

USE - ATF DEXRON III or EQUAL FLUID WHEN FILLING RESERVOIR

# 51992

FULL

ADD OIL

**8**

Charge Pressure Left Track Pump Right Track Pump Implement Pump Charge Heater

PN# 53200

**9**

**DIESEL FUEL FOR PRE-HEATER ONLY!**

PN 25959

**10**

**FIRE EXTINGUISHER LOCATED INSIDE**

**11**

**FIRE SUPPRESSION MANUAL OVERRIDE ACTUATOR LOCATED INSIDE THIS COVER.**

PN# 51597

**3**

**NOTICE**

REMOVE **RED** POSITIVE BATTERY CABLE & **BLACK** NEGATIVE BATTERY CABLE BEFORE WELDING. FAILURE TO DO SO MAY RESULT IN DAMAGE TO ELECTRICAL COMPONENTS.

PN# 24291

**12**

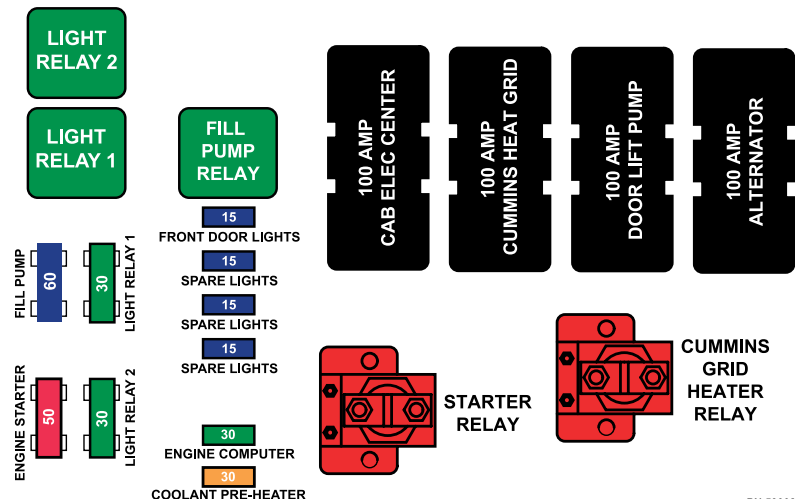
**DANGER**

MAXIMUM SUPPORTED WEIGHT OF GULLWING WORK PLATFORM NOT TO EXCEED **500 LBS (227 kg)**

**13**

**NOTICE**

THIS MACHINE IS EQUIPPED WITH A 24-VDC ELECTRICAL SYSTEM. ALWAYS REPLACE FUSE WITH THE ONE THAT IS SPECIFIED.

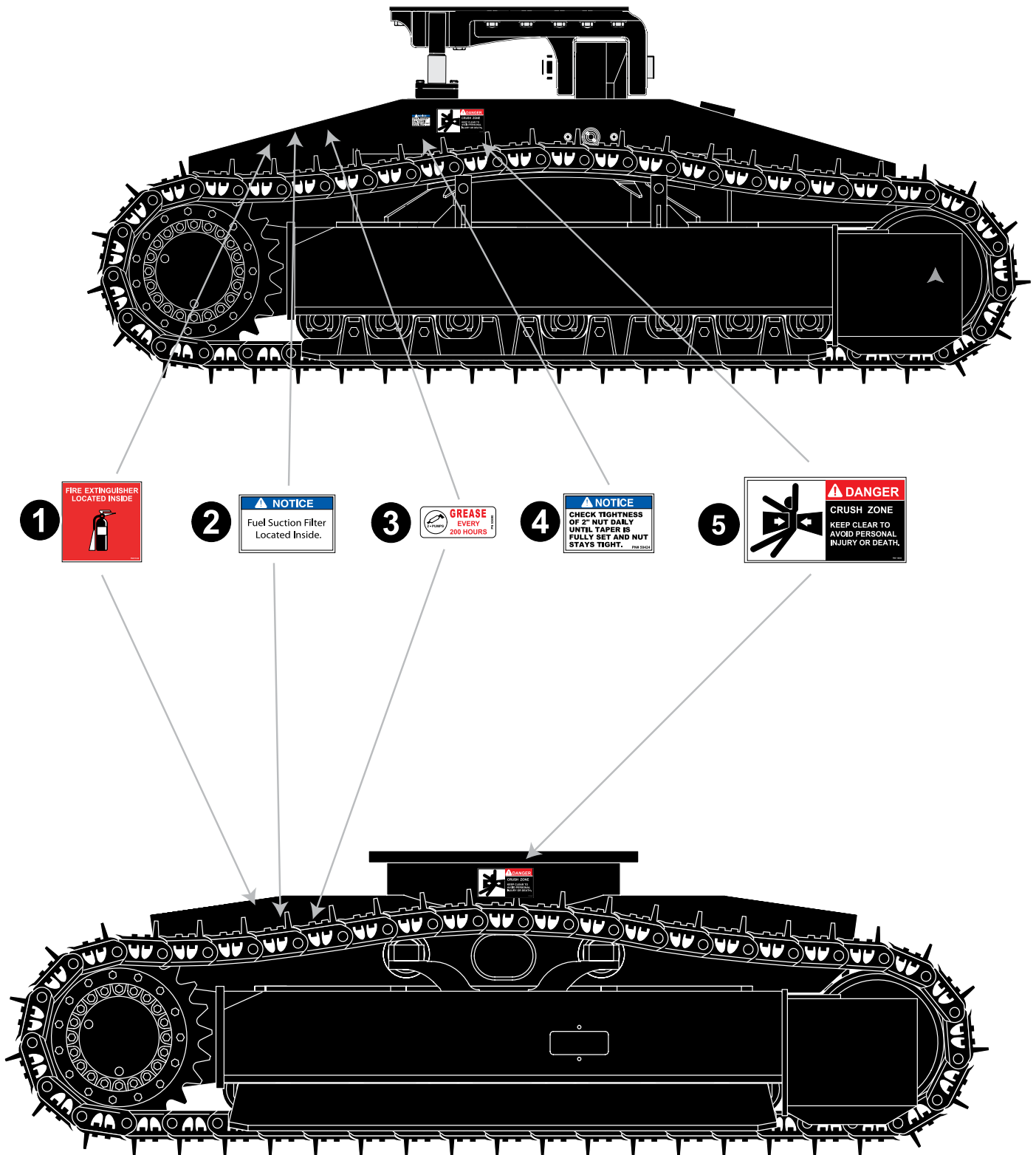


PN 53008

## UPPER TURNTABLE DECALS

### ENGINE & VALVE COMPARTMENT DECALS

| REF | PART #   | QTY | DESCRIPTION                                      | SEE SECTION |
|-----|----------|-----|--|-------------|
| 1   | 51821-UP | 1   | DECAL, Master Disconnect Cover                   |             |
| 2   | 19765-UP | 1   | DECAL, KEEP CLEAR OF MOVING PARTS                |             |
| 3   | 24286-UP | 1   | DECAL, WELDING NOTICE - 300HP                    |             |
| 4   | 23451-UP | 1   | DECAL, GREASE FILTER CANISTER                    |             |
| 5   | 51902-UP | 1   | DECAL, Door Lift Pump Oil                        |             |
| 6   | 53201-UP | 1   | DECAL, pressure test charge (wheeled machine)    |             |
| 7   | 53202-UP | 1   | DECAL, pressure test imp drive (wheeled machine) |             |
| 8   | 53200-UP | 1   | DECAL, pressure test imp drive (track machine)   |             |
| 9   | 25959-UP | 1   | DECAL, DIESEL FUEL ONLY                          |             |
| 10  | 51820-UP | 1   | DECAL, Fire Extinguisher inside                  |             |
| 11  | 51927-UP | 1   | DECAL, Fire Surpression actuator inside          |             |
| 12  | 52672-UP | 1   | DECAL, GULLWING SUPPORT WEIGHT WARNING           |             |
| 13  | 53008-UP | 1   | DECAL, engine electrical center MDL              |             |



**UPPER TURNTABLE DECALS****725B & 735B FRAME DECALS**

| REF | PART #   | QTY | DESCRIPTION                         | SEE SECTION |
|-----|----------|-----|-------------------------------------|-------------|
| 1   | 51820-UP | 1   | DECAL, Fire Extinguisher inside     |             |
| 2   | 51261-UP | 1   | DECAL, Fuel Suction Filter location |             |
| 3   | 53690-UP | 1   | DECAL, 200 Hour Grease Notice       |             |
| 4   | 50424-UP | 2   | DECAL, TORQUE 2" NUT NOTICE         |             |
| 5   | 16060-UP | 8   | DECAL, DANGER CRUSH ZONE            |             |

