



Harsco Track Technologies

Harsco

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 1 - 2008

BULLETIN NO: 08-001

TITLE: Hydraulic Pump Motor Rework

RATING:

ALERT
(Potential Problem)

INFORMATION
(Action Is Optional)

DIRECTIVE
(Action Is Required)

PRODUCT IMPROVEMENT
(Enhance Product)

PRODUCT SERIES / MODEL: HR1500 Series B2, HR1500 Series B3 and HR2000 Series B HY-RAIL® guide wheel units equipped with a HTT #202514 or #3409145 Hydraulic Power Unit.

SERIAL NO: N/A

SUMMARY: A design change in the electric motor that powers the HTT # 202514 and #3409145 hydraulic power units is allowing water to enter the electric motor. The water that is entering the motor may be from a number of sources such as normal rain fall, road spray, power washing the vehicle, etc. The manufacturer of the electric motor and HTT have determined that to help eliminate this problem, a water drain hole will need to be drilled in the bottom of the electric motor housing.

OPERATIONAL IMPACT: Moisture build-up in the hydraulic power unit electric motor may result in freezing of components when the unit is operated in areas where the ambient temperature falls below 32° F (0° C).

ACTION: Follow the instructions in this Service Bulletin to locate and drill the drain hole in the electric motor housing.

CONTACT: If you have any questions or if we can be of any service, please contact the Fairmont, MN facility, HY-RAIL® Guide Wheel Equipment Service Department at (507) 235-7212 or to order parts, contact the Parts Department at (507) 235-7143 or (507) 235-7191.

Safety Information

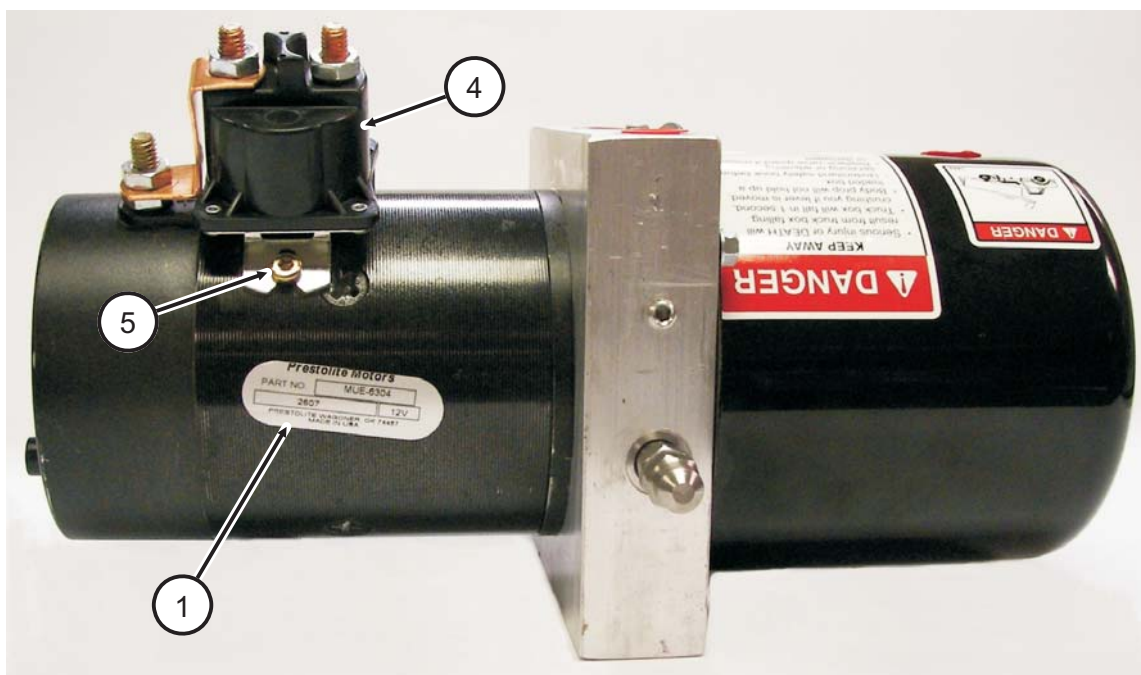


- FOLLOW APPLICABLE LOCKOUT - TAGOUT PROCEDURES TO DISABLE ENERGY SOURCES WHEN PERFORMING MAINTENANCE, MAKING ADJUSTMENTS OR REPAIRS TO THE VEHICLE OR EQUIPMENT. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.

Drilling Drain Hole in Motor Housing

1. See Figure 1. First, determine if the hydraulic power unit you have is the type that requires re-work. The appearance of the unit will be the same as shown in Figure 1. If present, the manufactures name tag (1) will indicate that it is a Prestolite motor and the model number will be MUE 6304.
2. In most cases, it will not be necessary to remove the hydraulic power unit from the vehicle. If the bottom of the hydraulic power unit is not accessible, then the unit will need to be removed, the hole drilled and the unit re-mounted.
3. See Figure 2. In the very bottom of the motor housing, measure and mark 3/4 inch (19 mm) from the housing seam as shown. Center punch on the measured mark to help start the drill bit.
4. Using a 3/16 inch drill dit, drill hole (2) through the motor housing. This should be less than 3/8 inch (10 mm) deep to drill through the housing. Keep in mind that the drilled hole may be directly in line with the assembly bolt (3). The drill bit may touch the assembly bolt when it goes through the motor housing but do not drill into the assembly bolt.

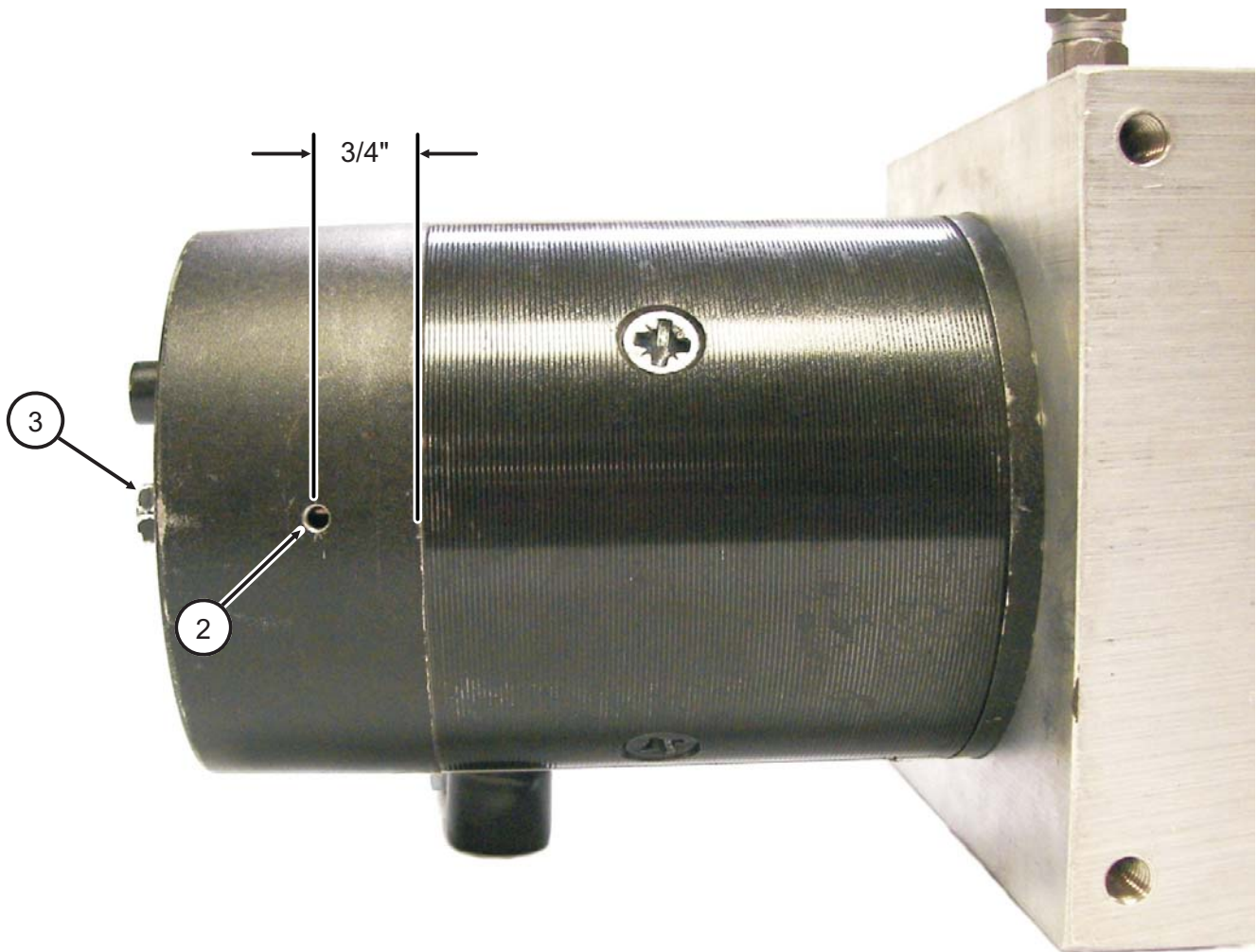
FIGURE 1
HYDRAULIC POWER UNIT IDENTIFICATION



Drilling Drain Hole in Motor Housing

- See Figure 1. If solenoid (4) is removed and relocated to a different position, such as under the hood of the vehicle, the solenoid mounting screws (5) must be replaced in the motor housing. The screws should be installed using Loc-Tite. If screws (5) are not replaced, the screw holes need to be filled with a silicone type sealant.

FIGURE 2
DRILLING DRAIN HOLE IN MOTOR HOUSING - BOTTOM OF MOTOR SHOWN



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