



Harsco Track Technologies

Harsco

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SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

DATE: 1-7-2004 **BULLETIN NO:** 03-029

TITLE: BRAKE CHAMBER CAGING INSPECTION AND REPORTING (BNSF ONLY)

RATING: **DIRECTIVE** (Action Is Required) **ALERT** (Potential Problem)
 INFORMATION (Action Is Optional) **PRODUCT IMPROVEMENT** (Enhance Product)

PRODUCT SERIES / MODEL: W139A1 Spike Reclaimer
BSTA1 Bulk Spike Trailer

SERIAL NO: All Spike Reclaimer Models W139A1-27
All Bulk Spike Trailer Models BSTA1-27

SUMMARY: Inspect the brake chambers (HTT part #192706) for the ability to cage the chambers with the caging tool.

OPERATIONAL IMPACT: The parking / emergency portion of the brake chamber is spring applied and air released. If air system pressure is lost, the spring holds the brake shoe(s) in contact with the wheel. The spring must be mechanically caged to allow the machine to be moved or towed by another machine. A caging tool is provided by the brake chamber manufacturer to mechanically cage the spring.

ACTION: Inspect the brake chambers to determine if the caging tools can be properly installed. Communicate the requested information to Harsco Track Technologies.

CONTACT: If you have any questions or if we can be of any service, please contact the Service Department at the Columbia, SC. facility, (803) 822-9160.

SAFETY INFORMATION



- **FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE ALL ENERGY SOURCES FROM MACHINE. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.**

BRAKE CHAMBER INSPECTION PROCEDURE - See Figure 1 and Figure 2

1. Make sure the parking brakes are applied.
2. Remove the tethered dust plug from the end of the brake chamber.
3. If the caging tool socket appears as shown in Figure 2, record the brake chamber as defective.
4. If there is doubt about the alignment of the caging socket, attempt to install the caging tool. If the caging tool cannot properly engage the socket, record the chamber as defective.
5. Re-install the dust plug in the end of the brake chamber.
6. Repeat Steps 2 thru 5 for each brake chamber on both the Spike Reclaimer and Bulk Spike Trailer.
7. Send HTT the following information:
 - 7.1 Spike Reclaimer Model Number _____
 - 7.2 Spike Reclaimer Serial Number _____
 - 7.3 Number of defective brake chambers on Spike Reclaimer _____
 - 7.4 Bulk Spike Trailer Model Number _____
 - 7.5 Bulk Spike Trailer Serial Number _____
 - 7.6 Number of defective brake chambers on Bulk Spike Trailer _____

BRAKE CHAMBER INSPECTION PROCEDURE

FIGURE 1
CUT-AWAY OF BRAKE CHAMBER CAGING MECHANISM

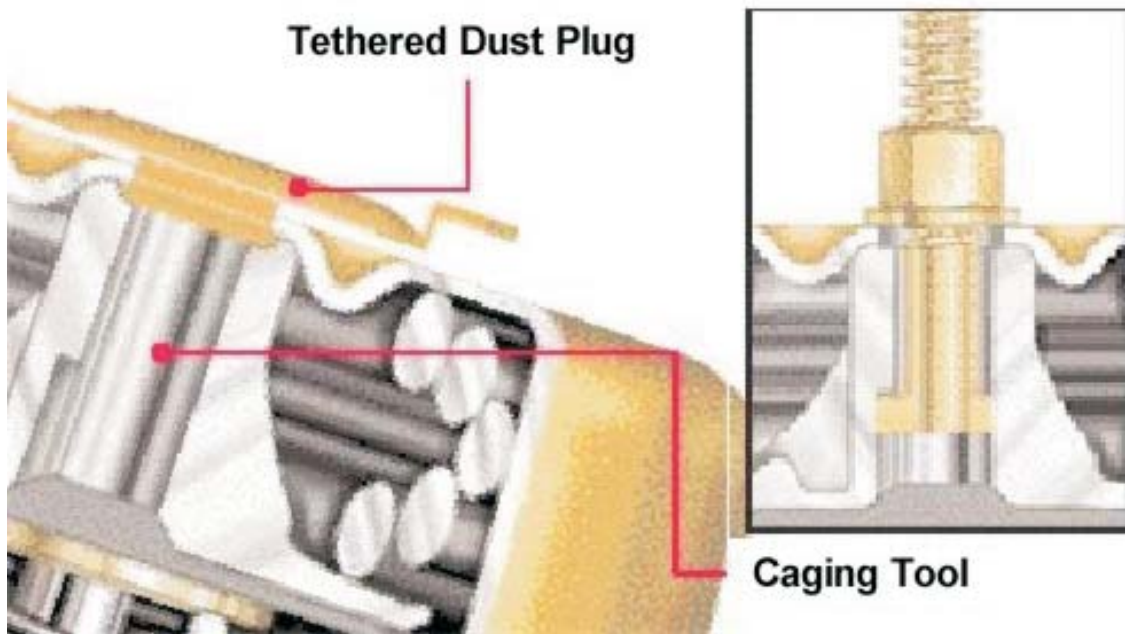


FIGURE 2
MISALIGNMENT OF CAGING SOCKET IN BRAKE CHAMBER



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