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RAIL

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## SERVICE BULLETIN MAINTENANCE OF WAY EQUIPMENT

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**DATE:** 7-23-2013 **BULLETIN NO:** 13-009

**TITLE:** REPLACEMENT ENCODERS FOR MARK III TAMPERS WITH JUPITER I

**RATING:**

|   |  |
|---|--|
| <input type="checkbox"/> <b>DIRECTIVE</b><br>(Action Is Required)   | <input checked="" type="checkbox"/> <b>ALERT</b><br>(Potential Problem)  |
| <input type="checkbox"/> <b>INFORMATION</b><br>(Action Is Optional) | <input type="checkbox"/> <b>PRODUCT IMPROVEMENT</b><br>(Enhance Product) |

**PRODUCT SERIES / MODEL:** ALL MARK III TAMPERS WITH JUPITER I

**SERIAL NO:** All NS Mark III Tampers with Jupiter I Upgrade Kits

**SUMMARY:** A potential problem has been discovered when replacing the carriage or distance wheel encoder on Mark III Tampers with Jupiter I Upgrade Kits. The original encoder (now obsolete) could be installed on the distance wheel axle shaft with the locking ring to the inside or outside. The new encoder P/N 5004402 is wider and the shaft does not protrude completely through as it did with the original encoder. The new encoder P/N 5004402 can only be installed with the locking ring on the inside which causes the encoder to spin backwards. This causes the machine's travel direction to be displayed opposite on the footage counter and the traces.

**OPERATIONAL IMPACT:** If encoder P/N 5004402 is installed, the machine's travel direction is displayed opposite on the footage counter and the traces.

**ACTION:** When replacing the carriage or distance wheel encoder on Mark III Tampers with Jupiter I Upgrade Kits, Harsco Rail recommends ordering encoder P/N 5010825. This encoder is configured for the correct rotation when mounted on the shaft so the machine's travel direction is displayed correctly on the footage counter and the traces.

**CONTACT:** If you have any questions or if we can be of any service, please contact:

Harsco Rail Service Department  
Columbia, SC Facility  
(803) 822-7546

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**ORDERING REPLACEMENT ENCODERS**

1. When replacing the carriage or distance wheel encoder on Mark III Tampers with Jupiter I Upgrade Kits, Harsco Rail recommends ordering encoder P/N 5010825. This encoder is configured for the correct rotation when mounted on the shaft so the machine's travel direction is displayed correctly on the footage counter and the traces.
  - a. All Mark IV Tampers with Jupiter I or II and all Mark III Tampers with Jupiter II use encoder P/N 5004402.
2. Contact the Parts Department at Harsco Rail to order the carriage or distance wheel encoder P/N 5010825.

Harsco Rail Parts Department  
Columbia, SC Facility  
(803) 822-7420

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415 North Main Street  
Fairmont, MN  
56031-1837  
Tel: (507) 235-3361  
Fax: (507) 235-7370

2401 Edmund Road, Box 20  
Cayce-West Columbia, SC  
29171-0020  
Tel: (803) 822-9160  
Fax: (803) 822-7471

200 South Jackson Road  
Ludington, MI  
49431  
Tel: (231) 843-3431  
Fax: (231) 843-1644

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