HARSCO

SERVICE BULLETIN
MAINTENANCE OF WAY EQUIPMENT

DATE: 1-20-2010   **BULLETIN NO:** 10-001A

TITLE: JUPITER DIGITAL OUTPUT AND ANALOG INPUT MODULES RECALL

RATING:

[X] **DIRECTIVE**
(Action Is Required)

[ ] **ALERT**
(Potential Problem)

[ ] **INFORMATION**
(Action Is Optional)

[ ] **PRODUCT IMPROVEMENT**
(Enhance Product)

PRODUCT SERIES / MODEL: All Harsco Rail Equipment with Jupiter Control System

SERIAL NO: Digital Output Modules - 843083LUT:XXX (label) or 09XXA3083:XXX (screen)
Analog Input Modules - 843085LUT:XXX (label) or 09XXA3085:XXX (screen)

SUMMARY: One batch each of Jupiter Digital Output (DO) Modules (# H2967Y03) and Jupiter Analog Input (A to D) Modules (# H2967Y02) has been determined to possess a potentially faulty electronic component which could lead to a module failure.

OPERATIONAL IMPACT: If the module fails, it will become inoperable and have to be replaced. The failed module could also cause failure of the field power cable and possibly other components working off of the effected module.

ACTION: Thus far, experience with the failed modules in question suggest that a failure will likely occur within the first few hours of operation. For this reason, any machine that has successfully been built and tested at a Harsco Rail facility and is already being used by the customer should be safe to continue to use. However, in order to minimize the risk of failure and possible related damage to the machine or expense to the customer, Harsco Rail is requesting that any module from the manufacturing batches in question be returned for a new replacement module. Also, any modules from these batches included in rebuild kits or parts sales from April 2009 to November 2009 could be affected. These should be exchanged for warranty prior to installation on a machine.

CONTACT: If you have any questions, please contact the Service or Parts Departments at the Harsco Rail, Columbia, SC facility, 803-822-9160 for additional information on the process of exchanging recalled modules.

SAFETY INFORMATION

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

IDENTIFYING RECALLED MODULES:

1. Modules from one of the suspect batches can be identified by a variety of means:

    1.1 A serial # tag applied to the side of the module (see Figure 1).
    1.2 An identical serial # tag applied to the outside of the shipping box, if not yet installed.
    1.3 The module serial # as identified in the machine's Jupiter diagnostics screen
        (see Figure 2 - Serial # outlined in Red).

2. The module batches or serial numbers affected by the recalls are as follows:

Module Type:	Module Part Number:	Module or Box Serial # Tag:	Diagnostic Screen Module Serial #:	Manufacture Date:
Digital Output	H2967Y03	843083LUT:XXX (unit #s 001 thru 393)	0924A3083:XXX 0925A3083:XXX 0926A3083:XXX 0928A3083:XXX	10-JUN-09 thru 07-JUL-09
Analog Input	H2967Y02	843085LUT:XXX (unit #s 001 thru 227)	0913A3085:XXX 0914A3085:XXX	26-MAR-09 thru 01-APR-09

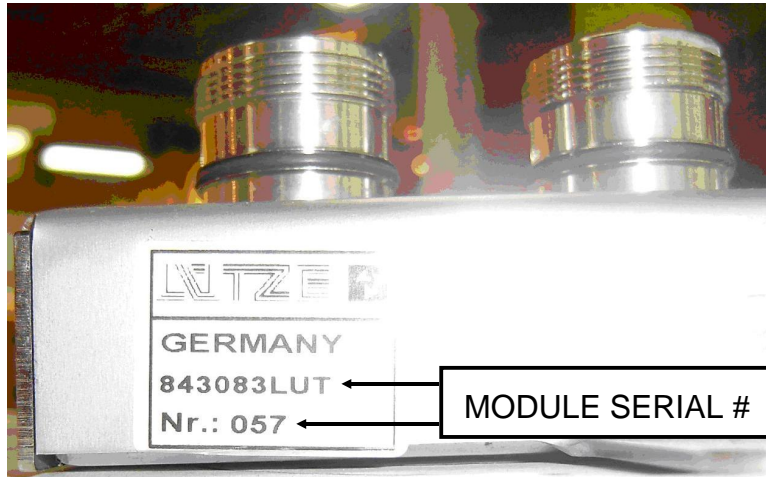**IDENTIFYING RECALLED MODULES:**

FIGURE 1
MODULE - SERIAL # TAG

FIGURE 2
MODULE DIAGNOSTIC SCREEN - SERIAL # DISPLAY

CLAIMING MODULE WARRANTY:

1. When claiming warranty on any recalled modules, you will need to identify which modules you will be returning (including their part number) by one of the two serial # methods listed above. Please also identify the machine type and serial # if applicable.

2. The proper quantity and type of modules requested will be shipped along with Return Material Authorization (RMA) paperwork for the return of the recalled modules.

3. All recalled modules must be returned to Harsco Rail under the provided RMA number in order to receive warranty credit for the replacement modules shipped.

4. When handling and packing any module for return, all connectors must be protected from damage. Therefore, please repackage a recalled module in same box that a new module was provided in. The external tags are not always legible and the only way to verify the module may be to power-up the module. As a result, modules with connector damage may not be available for warranty.

REPLACING MODULES ON MACHINE:

1. When replacing a recalled module with a new module, please follow all standard safety precautions to ensure the machine is locked-out / tagged-out in a zero-energy state.

2. Carefully hand-loosen and remove all cable connectors from the affected module ensuring that all cables are properly labeled in the process. A Harsco Rail spanner-type "Jupiter" wrench (# H6285X01) may be used on the larger connectors, if available.

3. Install the newly provided module and then reinstall the cable connectors in the correct locations according to the labels. Please ensure that all connectors are carefully threaded and hand-tightened on the module. A Harsco Rail spanner-type "Jupiter" wrench (# H6285X01) may be used on the larger connectors, if available.

4. After all recalled modules have been replaced, power up the Jupiter Control System and verify the operation of all affected module Input / Output (I/O) points, if possible.