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RAIL

SERVICE BULLETIN

MAINTENANCE OF WAY EQUIPMENT

DATE: 3-13-2012 **BULLETIN NO:** 12-005

TITLE: DRONE TAMPER HAND-HELD REMOTE CONTROL

RATING:

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

PRODUCT SERIES / MODEL: DRONE TAMPER

SERIAL NO: All Models with Jupiter II Software Version V2-10 R009 or Earlier

SUMMARY: When the hand-held remote for the Drone Tamper is turned on, control by the Lead Tamper operator is over-riden until the remote is turned off. Given that the remote will turn off after 10 minutes of non-use or loss of battery power, control will then automatically return to the Lead Tamper. Therefore, it is necessary for the Lead Tamper operator to disable the Work Mode of the Drone Tamper if it is to be paused for more than a few minutes. If this is not done, the Drone Tamper could begin working unexpectedly possibly resulting in a hazardous situation.

OPERATIONAL IMPACT: A software change is available that requires a specific sequence to be followed to explicitly return control to the Lead Tamper operator. If the hand-held remote turns off without this sequence being used, the remote control will NOT be released and the Drone Tamper will remain immobile.

ACTION: Check the Jupiter II software version of your Drone Tamper. If Version V2-10 R009 or Earlier, contact the Engineering Controls Department at Harsco Rail to order a new software release. After installation of the new software, follow the instructions in this Service Bulletin to release control of the hand-held remote of the Drone Tamper.

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

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SAFETY INFORMATION

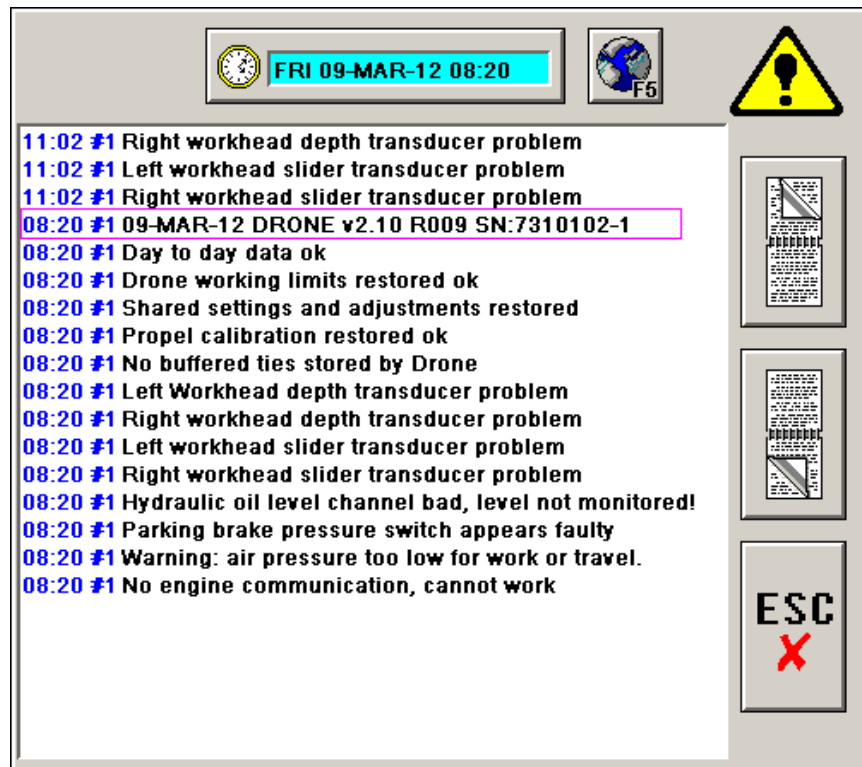


- FOLLOW APPLICABLE RAILROAD LOCKOUT - TAGOUT PROCEDURE TO REMOVE MACHINE FROM ENERGY SOURCES. FAILURE TO COMPLY COULD RESULT IN SEVERE BODILY INJURY.

CHECKING SOFTWARE VERSION - See Figure 1

1. After a successful Jupiter boot-up, press the Alarm Panel on the Jupiter monitor to display the Expanded Alarm Panel. Verify the current Jupiter software version (shown outlined in red on the expanded alarm panel). It may be necessary to use the Page Up and/or Page Down buttons to find the current software version.
2. If the current Jupiter software version is V2-10 R009 or earlier, contact the Engineering Controls Department at Harsco Rail to order a new software release.
3. After installation of the new software, follow the instructions in this Service Bulletin to release the hand-held remote control of the Drone Tamper.

FIGURE 1
JUPITER SOFTWARE VERSION



REMOTE NEW RELEASE PROCEDURE - See Figure 2

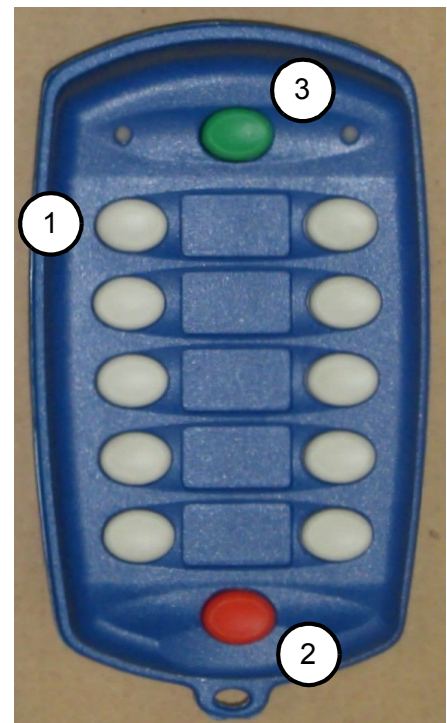
1. After using the hand-held remote, release the remote control by pressing the horn button (1) followed by the red button (2) within one second. Pressing the red button (2) without first pressing the horn button (1), or waiting for more than a second after pressing the horn button (1), will not release the remote control and return control of the Drone Tamper to the Lead Tamper operator.
2. When the hand-held remote is in control, the white strobe light will flash, even if the remote is off, indicating the Drone Tamper will remain immobile. If the white strobe light is off, it must be assumed that the Drone Tamper is under the control of the Lead Tamper operator and may begin working at any time.



- **BE AWARE THAT OPERATION OF WHITE STROBE LIGHT WITH NEW SOFTWARE VERSION INSTALLED IS OPPOSITE OF PREVIOUS SOFTWARE VERSION THAT WAS INSTALLED. FAILURE TO HEED THIS WARNING COULD RESULT IN SEVERE BODILY INJURY.**

3. If the hand-held remote turns off on its own and the Drone Tamper becomes immobile, press the green button (3) to restore the remote power and resume control of the Drone Tamper. Then repeat Step 1 of the Remote New Release Procedure to release the remote control and return control of the Drone Tamper to the Lead Tamper operator.

FIGURE 2
HAND-HELD REMOTE



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