

# Maintenance Procedure

## No. P837

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TASK DESCRIPTION
CHECK DIGITAL VIDEO RECORDER FOR PROPER OPERATION.
BUILDER'S OR VENDOR'S MAINTENANCE INSTRUCTIONS
SPECIAL TOOLS REQUIRED:
RELATED MAINTENANCE PROCEDURES MODIFICATIONS, POINTERS, ETC.
SAFETY PRECAUTIONS: CONTRACTOR TO ASSUME RESPONSIBILITY FOR SAFETY RULES AND COMPLIANCE.
PREPARATION: Obtain key for opening the VCR access panel.

### PROCEDURE:

#### 1. Check Monitor and Camera Position

1.1 Switch the DVR display monitor ON.

1.2 Ensure the monitor comes on and shows a clear live picture in real time of view ahead of locomotive. If necessary use the controls on the side of the monitor to adjust the colour, brightness and contrast of image.

#### 1.3 Check Text Display on Monitor

1.3.1 Ensure the correct locomotive number is shown at the bottom of the display.

1.3.2 Ensure the correct date and time are shown above the locomotive number.

**Note:** *Similar to event recorders, the DVR time must always be set to Eastern Standard Time.*

1.3.3 Ensure that a clock symbol is shown in the top right hand corner of the screen.

1.4 Verify the camera angle is adjusted so as to provide a clear view ahead of locomotive. Aim and secure the camera as necessary. Check that the camera, the bracket and wiring at camera are secure and in good condition.

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### 2. Check DVR Operation and Recorded Video Footage

- 2.1 Press the **"MENU"** key on the remote control panel.
- 2.2 Scroll to the user name **"MAINT"**.
- 2.3 Enter the password **"0000"**.
- 2.4 Scroll down to **"OK"** and press **"ENTER"**. A message indicating successful login will appear.
- 2.5 Press the **"SEARCH"** key on the remote control panel.
- 2.6 A search **"RECORD SEARCH"** box will be shown.
- 2.7 Scroll down to **"OK"** and press **"ENTER"**.
- 2.8 The search results list will be shown.
- 2.9 The record at the top of the list which is highlighted will be the latest recording and the time should correspond to the last time the train was moved.
- 2.10 Press the **"ENTER"** key on the remote control panel. The video will play. Ensure the image is clear, the date and time are shown at the top right hand corner, the vehicle number is shown at the bottom centre of screen and the speed at the top left.
- 2.11 Press the **"STOP"** button on the remote control panel. The screen will split into four; press the number **"1"** key to bring it to the single screen again.
- 2.12 Ensure the clock symbol shows at top right hand corner of screen.
- 2.13 Turn off the screen. The system keeps the user logged on for 5 minutes, during which any additional playback searches can be performed if necessary before resuming to step 2.1.

### 3. Record all work completed and report any discrepancies to supervisor.

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