

MS- 404
HOT BEARING/WHEEL TEMPERATURE DETECTOR SYSTEMS

Initial date 05/25/93- Revised 01/01/18

HOT BEARING and HOT WHEEL DETECTORS – INSPECTION/MAINTENANCE FORM

LOCATION: YELLOW SULPHUR MP V276.3 DIVISION BLUE RIDGE

SUPERVISOR [REDACTED]

ELECTRONIC PACKAGE SERIAL NO. SN0902GV02189

FREQUENCY

Individual locations may be customized for more frequent intervals as determined by supervision. 180-day (maximum period) steps are denoted below. All non-specified steps are to be performed on a 30-day (or more frequent) interval.

USE OF FORM

Use this form during each periodic inspection and as appropriate for any checks/repairs/adjustments made during trouble calls. A copy of the signed form must be left at the location.

SEQUENTIAL PROCESS

1. Check battery voltage with digital meter and record: 13.5 VDC
2. Read the AC supply voltage and record: 119
3. Disconnect the charger AC supply: (Note: This starts battery check.)
4. Immediately check battery voltage with digital meter and record: 13.3 VDC
(Must be between 13.6 and 14.5 VDC)
5. Record time and date: 1100; 6/21/23
6. Scanner heads: NG TYPE II NG TYPEIII MICRO
Maintenance:
 - a) Mounting
 - b) Clean any debris from drain plug/hole
 - c) Clean lenses/mirror
 - d) Shutters open and close fully
 - e) Check ground connections
 - f) (180-day) Clean pyro connector
 - g) (180-day) Calibration (after AC restored)
 - h) (180-day) Alignment
 - i) (180-day) Check for proper rail orientation
 - j) (180-day) Check proper track orientation (double rack)

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7. Transducers:

Maintenance:

- a) Mounting
- b) Height of transducer for Micro 1.75" NG to base of alignment Bracket
- c) (180-day) Continuity

8. Message check:

- a) Generate test train and verify "No Defect" message
- b) Generate test train, activate DED and verify message
- c) Generate test train, activate clearance detector and verify message

9. Hot Wheel detector: NG TYPE III MICRO

Maintenance:

- a) (180-day) Calibration
- b) (180-day) Alignment

10. Standby battery check (Assure charge has been off battery at least five (5) minutes prior):

- a) Check battery voltage with digital meter: 13.2 VDC
- b) Restore AC power
- c) Verify system shows AC power on
- d) Disconnect batteries for float voltage check
- e) Check battery float voltage 13.5 VDC
- f) Reconnect batteries and verify
- g) Check battery connections

11. Building and General:

- a) Check LED displays on electronics
- b) Check lights
- c) Housekeeping
- d) Check antenna connections
- e) Check AC connections
- f) Check Thermostat setting

REMARKS:

INSPECTED BY: [REDACTED] _____

DATE: 6/21/23

