HOT BEARING and HOT WHEEL DETECTORS – INSPECTION/MAINTENANCE FORM

LOCATION: Davis MP V3120 DIVISION BR

SUPERVISOR [redacted]

ELECTRONIC PACKAGE SERIAL NO. _____

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: 13.56 VDC
2. Read the AC supply voltage and record: 119.7
3. Disconnect the charger AC supply: ☑ (Note: This starts battery check.)
4. Immediately check battery voltage with digital meter and record: 13.15 VDC
   (Must be between 13.6 and 14.5 VDC)
5. Record time and date: 2:43P 6/20/23
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) ☐

HOT BEARING and HOT WHEEL DETECTORS – INSPECTION/MAINTENANCE FORM (Page2)

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: 12.86 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: 6/2023