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
LOCATION: MP V270.3 DIVISION DIVISION
SUPERVISOR
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.
<u>USE OF FORM</u> 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.	Transd	ucers:								
		Maintenance:								
	a)	Mounting V								
	b)	Height of transducer for Micro 1.75" NG to base of alignment Bracket								
		(180-day) Continuity								
8.	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 W	neel detector: NG TYPE III MICRO								
	Mainte									
	-	(180-day) Calibration								
	b)	(180-day) Alignment								
10.	Standb	y 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								
	-	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.	Buildin	g 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 _ ✓ _								
	DENA	A DIVC.								
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DATE:										
DATE: _		·								

Hot Bear	ring Detector Test & I	Month	JUN	Year 2023								
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Division HQ Territory Line	BLUE RIDGE RADFORD ROSAL V		Grounds		Stby Pwr	Visual Inspection	Heat Calibration	Clean Scanners	Scanner Alignment	Operational Test	Winter Operations	Ice/Snow Event
		Buss	Value	Code	Volt		9 n	Si				ž
	Frequency (Days)		90	•	90	30	90	365	365	As Req	November	As Req
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Location	YELLOW SULPHUR					C5						
Milepost	V276.3											
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