

PREVENTATIVE MAINTENANCE REPORT MICROWAVE VEHICLE DETECTOR

PLEASE TYPE OR PRINT IN BLUE OR BLACK INK ALL INFORMATION



pennsylvania
DEPARTMENT OF TRANSPORTATION
www.dot.state.pa.us

DEVICE TYPE:		DISTRICT ID:		STATEWIDE ID:
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DATE (mm/dd/yyyy):	TIME:	COUNTY:	SERIAL/RFID NUMBER:
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STATE ROUTE (S.R.):	DIRECTION:
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LOCATION (Mile Marker/Segment-Offset):	VERIFIED AT SITE: <input type="checkbox"/> YES <input type="checkbox"/> NO
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LATITUDE/LONGITUDE:

TIME ARRIVING AT SITE:	TIME LEAVING SITE:
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DESCRIPTION OF PROBLEM(S):

CORRECTIVE ACTIONS TAKEN:
PROBLEM(S) CORRECTED: <input type="checkbox"/> YES <input type="checkbox"/> NO

PARTS:

LABOR/EQUIPMENT/TRAFFIC CONTROL:

ADDITIONAL COMMENTS:

By signing below, the signee confirms that all four preventative maintenance checklists (General, Device, Cabinet, and Communications and Electrical Service) and the ITS Structures Preventative Maintenance Guide have been completed, and that all checklist items receiving a rating of Fair or Poor have been reported above.

_____ Printed Name _____ Signature

_____ Date (mm/dd/yyyy) _____ Company

MICROWAVE VEHICLE DETECTOR

General Checklist			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
G001	Check clearance of tree branches or brush around power and communication lines. Report required tree trimming and/or brush clearing work.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
G002	Check that MVD system is adequately protected by guiderail. Report damaged guiderail.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
G003	Check for damage (lightning, leaning, car impacts, vandalism, etc.). Repair as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
G004	Verify that ITS site plans, ITS system block diagrams, electrical diagrams/wiring diagrams, and any other necessary records are located in the cabinet.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

**Document all Fair/Poor results in the Preventative Maintenance Report Form. Repair where possible.*

MICROWAVE VEHICLE DETECTOR

Device Checklist			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
D001	Perform preventative maintenance in accordance with the manufacturer's recommendations and as follows:	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D002	Check for proper clearance of tree branches or brush; schedule any required trim work.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D003	Inspect for general condition, wear, rust, cracks, loose connections, frayed cables, and damage caused by (lightning, weather, car impacts, vandalism, etc.). Repair as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D004	Note and replace any missing, damaged, rusted, cracked, or bent parts.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D005	Inspect mounting hardware (anchor bolts, pole attachment) for rust, cracks, etc. Repair/replace as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D006	Verify traffic volumes and speeds according to manufacturer's recommendations.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D007	Calibrate MVD device per manufacturer's recommendations.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D008	Check MVD alignment. Align/tighten unit if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D009	Inspect MVD for proper operation and function per manufacturer's instructions.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D010	Disconnect power supply from MVD system. Verify that MVD system proceeds automatically to full function mode, without any human intervention, when power supply is restored.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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MICROWAVE VEHICLE DETECTOR

Device Checklist (con't)

Device Checklist (con't)			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
D011	Replace any damaged or malfunctioning units.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
D012	Visually inspect all exposed grounding systems at the device for corrosion and damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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MICROWAVE VEHICLE DETECTOR

Cabinet Checklist			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
C001	Check the condition of surface and general cabinet appearance for damage (paint, damage, and graffiti).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C002	Check cabinet door and locking mechanism for proper closure. Adjust or repair if needed. Lubricate hinges and lock.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C003	Inspect and change filters where applicable.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C004	Check weatherproof seal (gasket).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C005	Remove any snow or brush from doorway opening or area surrounding cabinet.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C006	Inspect cabinet mounting hardware (anchor bolts, pole attachment) for rust, cracks, etc. Tighten if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C007	Check for water accumulations and duct sealant.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C008	Clean and vacuum inside of cabinet and equipment to remove dust.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C009	Check light bulbs and replace where applicable.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C010	Check and inspect equipment racks/shelves (tighten any loose hardware).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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Cabinet Checklist			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
C011	Check operation of fan/air conditioner unit and heater, and replace where applicable.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C012	Check radio interference filter (RFI) and lightning arrestor.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C013	Check circuit breaker and fuses.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C014	Check ground fault receptacle.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C015	Check environmental systems.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C016	Inspect all connections, cabling, and physical appearance of the equipment within the cabinets.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C017	Ensure that cables are not stressed.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C018	Hand-tighten all electrical terminations as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C019	Inspect all wires for loose connections, frayed wires, rodent damage, etc. Repair as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C020	Check incoming power for proper voltage and correct if not within tolerances.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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Cabinet Checklist (con't)

TASK #	TASK	COMPLETED?	CONDITION (Select One)
C021	Check function and communications (modem).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C022	Visually inspect all exposed grounding systems at the device for corrosion and damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C023	Check conduit entry to cabinet. Provide duct sealant (or another means) to prevent rodent entry if not already present.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

	PERFORM THE FOLLOWING FOR LOCATIONS WITH UNINTERRUPTIBLE POWER SUPPLY (UPS):	COMPLETED?	CONDITION (Select One)
C024	Visually inspect general condition of UPS for corrosion, wear, and any other damage. Repair as needed.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C025	Clean UPS and battery.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C026	Check all battery terminal connections for security and apply corrosion preventative compound. Tighten as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
C027	Verify functionality of UPS by disconnecting power at breaker. Verify that UPS maintains operation.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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Communications and Electrical Service Checklist			
TASK #	TASK	COMPLETED?	CONDITION (Select One)
E001	Check to be sure hand hole covers are secure. Tighten if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E002	Check pull boxes (damage, covers missing, or damaged). Repair if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E003	Check conduit entry to junction box. Repair if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E004	Check conduit runs for settling of trench.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E005	Pump junction box dry if water is present remove.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E006	Clean garbage from junction box.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E007	Visually inspect lugs for burning corrosion, water infiltration and rodent damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E008	Visually inspect cable tags. Replace or reattach if needed.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E009	Visually inspect bushings for rust or damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E010	Visually inspect splice kit for integrity and water infiltration. Repair or replace if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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Communications and Electrical Service Checklist

TASK #	TASK	COMPLETED?	CONDITION (Select One)
E011	Inspect all equipment grounding conductors and connections for integrity.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E012	Check antenna for proper communications.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

	PERFORM THE FOLLOWING FOR LOCATIONS WITH DIRECT ELECTRICAL CONNECTION:	COMPLETED?	CONDITION (Select One)
E013	Check meter cabinet/pole/pedestal for damage (lightning, leaning, vehicle damage, vandalism, corrosion, etc.)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E014	Check service pole base. Replace base cover and clean out if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E015	Check cabinet/conduit mounting hardware. Replace bolt cover and tighten if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E016	Check pole base splices for damage, water infiltration, and rodent damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E017	Visually inspect all exposed grounding systems at the device for corrosion and damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E018	Visually inspect the meter socket and disconnect for damage, vandalism, and missing hardware.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E019	Check anchor bolts for tightness and corrosion.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E020	Check breakers.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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MICROWAVE VEHICLE DETECTOR

Communications and Electrical Service Checklist

TASK #	TASK	COMPLETED?	CONDITION (Select One)
E021	Check meter cabinet for damage.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E022	Check meter cabinet locking mechanism. Adjust or repair if needed.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

	PERFORM THE FOLLOWING FOR LOCATIONS WITH SOLAR POWER ASSEMBLIES:	COMPLETED?	CONDITION (Select One)
E023	Using acceptable battery analyzer, perform load test and verify passing condition.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E024	Check batteries; clean and fill as necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E025	Test battery charging system.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E026	Check all battery terminal connections for security and apply corrosion preventative compound.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E027	Thoroughly clean solar panels that power the battery packs.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E028	Inspect solar panel assembly for damage. Repair or replace if necessary.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E029	Verify that solar panels are arranged in such a way as to allow panels to receive direct sunlight. Report any issues.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*
E030	Check clearance of tree branches or brush around solar panel assembly, report required tree trimming and/or brush clearing work.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> Excellent <input type="checkbox"/> Good <input type="checkbox"/> Fair* <input type="checkbox"/> Poor*

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