

GTA# GTA 43-01-003

HMMWV

HOT WEATHER/DESERT OPERATIONS

This abbreviated checklist is not to be used as a replacement for the -10 series Tech Manuals or any other PMCS guide.

1. PMCS Considerations:

- Perform PMCS IAW TM 9-2320-280-10 & (Up Armored) 387-10. Increase frequency when operating under unusual conditions.
- a. Air Conditioner System- If the Air Conditioner System does not operate properly after five minutes, report to Maintenance.
 - b. Allow engine to idle prior to shut down to allow cool down time with extreme heat.
 - c. Op-tempo/load weight/terrain/environment impacts steering/suspension/drive train components- adhere to required PMCS practices.
 - d. Where applicable, ensure seatbelts, combat locks and turrets are operational.
 - e. When applicable, only clean ballistic glass with mild detergent and warm water. Do not scrape/scratch the inner surface of the glass. Do not apply stickers/labels to ballistic glass.

2. Extreme Temperature Operation:

- a. Check Fluids Daily (includes batteries).
- b. Check Tire Pressure Daily.
- c. Check Batteries for Cracks.

Approved for public release; distribution is unlimited.

Distribution: U.S. Army Training Support Center.

May 2005

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2. Extreme Temperature Operation continued:

- d. Replace Engine belts that show any sign of wear.
- e. Clean Air Filters and Radiator fins daily.
- f. Keep Air Conditioner fins free from Dirt and Sand.
- g. Wipe Dirt away from Fuel Tank lid before opening.
- h. Keep Vehicle exterior free from Dirt and Sand (can cause excess heat).
- i. Watch all gauges and indicator lights for proper readings.

3. Recommended Fluids and Lubricants:

- a. Engine: Use 15W-40.
- b. Engine Coolant: Use mixture of 50% water and 50% Ethylene Glycol.
- c. Transmission: Dexron III (4L80E)
- d. Lubricate vehicle frequently during high temp season (wipe off fitting first).

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4. M1114 and Add On Armor Considerations:

- a. Vehicle handling is impacted by AOA
 - 1) Allow for greater stopping distances due to additional weight of vehicle
 - 2) AOA requires more frequent checks. Vehicle Checks should be conducted at each stop during mission.
 - 3) Reduce Speed prior to negotiating turns.
Check AOA for Missing or Loose Bolts Daily.
- b. AOA causes excess wear on Engine, Drive Line, Brakes, Suspension and Steering components.
- c. AOA Reduces visibility, Stay Alert and ensure your Assistant Driver is Alert.
 - 1) (M1114) Ballistic windshields are smaller, reduced visibility; therefore, situational awareness is a must.

5. For questions contact:

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