# 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.

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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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