

# **GTA 43-01-001**

## **HEMTT M977 Series**

### **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:**

- a. AOA requires more frequent checks. Vehicle Checks should be conducted at each stop during mission.
- b. Check Air Conditioner System, if not blowing cold air have Maintenance check system for leaks prior to mission.
- c. Check AOA for missing or loose bolts weekly.
- d. Inspect Cab Mount bushings for over compression.
- e. Inspect escape hatch position, latches and hatch hardware for proper placement and wear.
- f. Allow Engine to idle prior to shut down to allow cool down time with extreme heat.
- g. Drain Fuel Water Separator Daily.

#### **2. Add On Armor Considerations:**

- a. Vehicle handling is impacted by AOA
  - 1) Allow for greater stopping distances due to additional weight of vehicle
  - 2) Additional weight will impact engine exhaust break operation
  - 3) Reduce Speed prior to negotiating turns.

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2. Add On Armor Considerations continued:
  - b. AOA causes increased wear on Engine, Drive Line, Brakes, Suspension and Steering components.
  - c. AOA Reduces visibility, Stay Alert and ensure your Assistant Driver is Alert.
  - d. Do not park on slopes if possible; the extreme weight of door can cause injury to personnel or equipment.
3. Extreme Temperature Operation:
  - a. Check Fluids Daily (includes batteries).
  - b. Check Tire Pressure Daily.
  - c. Check Batteries for Cracks.
  - 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 Hyd, Fuel Tank lid, engine oil dipstick & oil fill tube 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.
  - j. Cover windows when not in use.

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4. Recommended Fluids and Lubricants:
  - a. Engine: OE/HDO 40.
  - b. Use a mixture of 50% water and 50% Antifreeze in Radiator.
  - c. Transmission: 15W/40.
  - d. Lubricate Vehicle as required or sooner as conditions demand (wipe off fitting first).
5. For questions contact:  
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