

**HETS M1070/M1000**

**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. Inspect AOA for Missing or Loose Bolts Weekly.
- b. Inspect Cab Mount bushings for over compression.
- c. Inspect escape hatch position, latches and latch hardware for proper placement and wear.
- d. Ensure spare tire davit lifting arm is properly stowed away from escape hatch.
- e. Check Air Conditioner System, if not blowing cold air have Maintenance check system for leaks prior to mission.
- f. AOA requires frequent checks. Vehicle Checks should be conducted at each stop during mission.
- g. Allow Engine to idle prior to shut down to allow cool down time with extreme heat.
- h. 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.
- b. Do not park on slopes if possible; the extreme weight of the door can cause injury to personnel or equipment.

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

- c. AOA causes excess wear on Engine, Drive Line, Brakes, Suspension and Steering components.
- d. AOA Reduces visibility, Stay Alert and ensure your Assistant Driver is Alert.

**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 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.
- j. Cover windows when not in use.

**4. Recommended Fluids and Lubricants:**

- a. Engine: When temperatures reach 100 °F use OE/HDO 40.
- b. Use a mixture of 50% water and 50% Antifreeze in Radiator.
- c. Transmission: 15W/40.
- d. Lubricate Vehicle / Trailer Often (wipe off fitting first).

**5. For questions contact: DAMI\_HET@conus.army.mil.**