

M939 FOV's – 5 TON TRUCK
COLD WEATHER OPERATIONS – MAY 2006

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. Check AoA for missing or loose bolts daily.
- b. Check heating system, if not blowing hot air have Maintenance check system for leaks prior to mission.
- c. AoA requires more frequent checks. Vehicle checks should be conducted at each stop during mission.
- d. Allow engine to idle prior to shut down to allow cool down time.
- e. Drain fuel water separator daily.
- f. Drain air tanks daily.

2. Add On Armor Considerations:

- a. Vehicle handling is impacted by AoA.
 - * Allow for greater stopping distances due to additional weight of vehicle.
 - * Reduce speed prior to negotiating turns.
- b. AoA causes excess wear on engine, drive line, brakes, suspension and steering components. Check components frequently for looseness, cracks or missing hardware.
- c. AoA reduces visibility, stay alert and ensure your assistant driver is alert.

3. Cold Weather Operation:

- a. Check fluids daily (includes batteries).
- b. Check tire pressure daily.

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3. Cold Weather Operation (continued):

- c. Don't engage engine starter motor for more than 1-15 seconds at a time. Allow starter to cool before trying again.
- d. Check coolant, oil and fuel line for bulging, leaks or cracking.
- e. Check batteries for cracks.
- f. Replace engine belts that show any sign of wear.
- g. Clean air filter and radiator fins daily.
- h. Wipe dirt away from fuel tank lid before opening.
- i. Keep vehicle exterior free from dirt and sand (can cause excess heat).
- j. Watch all gauges and indicator lights for proper readings.
- k. Cover windows when not in use.

4. Recommended Fluids and Lubricants:

- a. Engine: use OE/HDO 15/40.
- b. Use a mixture of 40% water and 60% antifreeze in radiator.
- c. Transmission: for temperatures up to 110°F use OE/HDO 15/40.
- d. Lubricate vehicle / trailer daily (wipe off grease fitting first).

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