

**M915 FOV (AM General) COLD WEATHER/DESERT OPERATIONS - AUGUST 2010**

***This abbreviated checklist is not to be used as a replacement for the -23 series technical manuals or any other PMCS guide***

**1. PMCS considerations:**

Check AoA daily for missing or loose bolts.

Check heating system. If it's not blowing warm or hot air, have field maintenance check system for leaks prior to mission.

AoA requires more frequent checks. Conduct vehicle checks at each stop during mission.

Allow engine temperature to reach 120-140°F before operating vehicle. For the M915A1, allow engine temperature to reach 140-160°F before operating vehicle.

Drain fuel water separator daily.

**2. Add-on armor considerations:**

AoA impacts vehicle handling.

Allow greater stopping distances due to additional weight of the vehicle.

Additional weight impacts engine exhaust brake operation.

Reduce speed prior to negotiating turns.

AoA causes excess wear on engine, driveline, brakes, suspension, and steering components.

AoA reduces visibility. Stay alert and ensure your assistant driver is alert.

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### **3. Extreme temperature operation:**

Check fluids daily (including batteries).

Check tire pressure daily.

Check batteries for cracks.

Replace engine belts that show any sign of wear.

Clean air filters and radiator fins daily.

Keep air conditioner fins free of dirt, sand, and ice.

Wipe dirt, sand, and ice from fuel tank lid before opening it.

Avoid long, continuous high speeds, long, hard pulls, and continuous operation on soft terrain.

Observe all gauges and indicator lights for proper readings.

Drain condensation from air tanks daily.

Check air system dehydrator cartridges more frequently.

On systems with a manual ether start system, push the ether button **ONLY** while cranking the engine. **NOT** cranking the engine may create ether fume buildup and combustion in the intake manifolds.

Ensure all windows are free of snow, ice, and frost.

### **4. Recommended fluids and lubricants:**

Engine: Use OEA when temperatures reach 0°F and

OE/HDO-10 when ambient temperatures are above 0°F.

Use a mixture of 50% water and 50% antifreeze in radiator.

Transmission: Use OEA when ambient temperatures drop below -10°F and OE/HDO-10 when ambient temperatures are above -10°F.

Lubricate vehicle and trailer daily. (Wipe off fitting first).

On vehicles equipped with a winch or dump body, check fluid level daily. Use OE/HDO-10 when temperatures are above -10°F and OEA when ambient temperatures are below -10°F.

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