

GTA 43-01-020

**M915 FOV (Freightliner) HOT WEATHER/DESERT OPERATION
- AUGUST 2010**

This abbreviated checklist is not to be used as a replacement for the -10 series technical manuals or any other PMCS guide

1. PMCS considerations:

Check AoA daily for missing or loose bolts.

Check air conditioning system. If it's not blowing cold 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 to idle prior to shutdown to allow cool-down time with extreme heat.

Drain fuel water separator daily.

2. Add-on Armor considerations:

AoA impacts vehicle handling.

Allow greater stopping distance due to additional weight of vehicle.

Additional weight impacts engine exhaust brake operation.

Reduce speed prior to negotiating turns.

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

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

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3. Extreme temperature operation:

Check fluids daily (including batteries).

Check tire pressure daily.

For vehicles with CTIS, ensure proper setting is selected for surface being traveled over during mission.

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 and sand.

Wipe dirt away 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.

Cover windows not in use.

4. Recommended fluids and lubricants:

Engine: When temperatures reach 100°F, use OE/HDO-40.

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

Transmission: 15W-40.

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

On vehicles equipped with a winch or dump body, check fluid level daily and use OE/HDO-10.

5. For questions contact: eric.s.barnhart@us.army.mil or joseph.w.sattler@us.army.mil