

**M915 FOV (Freightliners)**

**COLD WEATHER /DESERT OPERATIONS - MARCH 05**

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

**1. PMCS Considerations:**

- a. Check AOA for Missing or Loose Bolts Daily.
- b. Check Heating System, if not blowing Warm/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 temperature to reach 120-140 o F before operating vehicle.
- e. Allow Engine to idle prior to shut down to allow cool down time with extreme heat.
- f. Drain Fuel Water Separator Daily.

**2. Add On Armor Considerations:**

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

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## **2.Add On Armor Considerations (continued):**

b. AOA causes excess wear on Engine, Drive Line, Brakes, Suspension and Steering components.

c. 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.

" For vehicles with CTIS ensure proper setting is selected for surfacing being traversed during the mission.

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, Sand, and Ice.

g. Wipe Dirt, Sand, and Ice away from Fuel Tank lid before opening.

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

i. Watch all gauges and indicator lights for proper readings.

j. Drain condensation from air tanks daily

k. Check Air System Dehydrator Cartridges more frequently

l. On systems with a Manual Ether Start system, only push the Ether button while cranking the engine. Operating the Ether system while NOT cranking the engine may build up Ether fumes and result in combustion in the Intake Manifolds

## **4. Recommended Fluids and Lubricants:**

a. Engine and Power Steering: When ambient temperatures are below 0 °F use OE/HDO 10. For ambient temperatures above 0o F use OE/HDO 15/40

## **4. Recommended Fluids and Lubricants (continued):**

b. Transmission: When ambient temperatures drop below -10o F use OE/HDO 10. When ambient temperature are above e - 100 F use OE/HDO 15/40

c. Use a mixture of 50% water and 50% Antifreeze in Radiator.

d. Lubricate Vehicle / Trailer Daily (wipe off fitting first).

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

**5. For questions contact: [whitenbc@tacom.army.mil](mailto:whitenbc@tacom.army.mil), [sattlerj@tacom.army.mil](mailto:sattlerj@tacom.army.mil), or [vickp@tacom.army.mil](mailto:vickp@tacom.army.mil)**