

1. PMCS Considerations (continued):

f. When starting your vehicle's engine, never keep the starter engaged for more than 10-15 seconds. Then stop! Give the starter at least one minute to cool off before trying again. If your truck's engine won't start in three tries, call it quits and have Maintenance to check it out.

g. Drain fuel filters daily. Keep the fuel tank filled to the FULL mark to stop condensation. Add icing inhibitor to diesel after you fill the tank. Remember, more is not better! You can damage the engine if you add more than one pint of additive to 80 gallons of fuel.

h. Check AOA for missing or loose bolts weekly.

i. Inspect Cab Mount bushings for over compression.

j. Inspect escape hatch position, latches and hatch hardware for proper placement and wear.

2.Add-On-Armor Considerations:

a. Vehicle handling is impacted by AOA

1) Allow for greater stopping distances due to additional weight of vehicle, additionally in adverse weather conditions.

2) Reduce speed prior to negotiating turns.

b. AOA causes increased wear on engine, drive line, brakes, suspension and steering components.

c. AOA reduces visibility, stay alert and ensure your assistant driver is alert.

d. Do not park on slopes if possible; the extreme weight of door can cause injury to personnel or equipment

3. Extreme cold 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 filter and radiator fins daily.

f. Wipe dirt away from Hydraulic, fuel tank lid, engine oil dipstick & oil fill tube before opening.

g. Keep vehicle exterior free from dirt, snow, ice and sand.

h. Watch all gauges and indicator lights for proper reading

i. Cover windows when not in use.

4. Recommended fluids and lubricants:

a. Engine: OE/HDO 30 or 10, OE/HDO 15/40 may be used when expected temperatures are above +5 F (-15 C).

b. Transmission: Dexron III

c. Engine Coolant: Ethylene Glycol - use 60% antifreeze and 40% water in radiator.

d. Lubricate vehicle as required or sooner as condition demand. Wipe off fitting first.

5.Cold Weather Parts

a. Windshield Wiper Blades. 2540-01-199-7778

b. Belts (200 amp Generator) 3030-01-188-3862

c. Glow Plugs. 2920-01-188-3863

d. Radiator Hose Lower. 4720-01-187-3386, Basic, A1, A2

e. Radiator Hose Lower. 4720-01-433-8266, M1113, M1114

f. Radiator Hose Upper. 4720-01-188-3909, All Models

g. Belts (Fan). 3030-00-379-2815, Basic and A1

5. Cold Weather Parts (continued)

h. Belts (200 amp Generator) Set of 3, 3030-01-321-4482 All basic and A1 w/ 200 amp generators installed.

i. Serpentine Belt. 3030-01-466-9476, A2 Series, M11223, M1113, M1114 (use with serial numbers 196901 and above) 3030-01-488-5606 (use with serial number 196900 and below)

j. Heater Assembly Multiple, Fuel Model A 2540-01-194-3323 M996; M997A1; M996A1; M997; M997A1

k. Heater Assembly. 2540-01-190-7079 Basic, A1

l. Heater Assembly. 2540-01-474-3217 A2 Series, M1123, M1113.

6. For questions contact: **HMMWV@TACOM.ARMY.MIL**

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HMMWV

COLD WEATHER OPERATIONS - OCTOBER 2005

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:

a. Add-On-Armor (AOA) requires more frequent checks. Vehicle checks should be conducted at each stop during mission.

b. Check heating system, if not blowing hot air have Maintenance check blower motor operations and heater inlet hoses for leaks prior to mission.

c. Check air filter for restriction, damp cold weather can cause the air filter to freeze into a block of ice. So, keep your eye on the vehicle's air restriction indicator. Once the indicator reaches a red level, get the element cleaned and dried out, or get a new one.

d. Check on the condition of the coolant regularly. Always use a 60/40 mix of antifreeze to water. This protects against freezing down to -50 F.

e. Make sure lead acid batteries are strong enough for the cold. Check the batteries specific gravity with the dual battery/antifreeze tester.

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