

M35A3 MEDIUM TACTICAL VEHICLES
COLD WEATHER MAINTENANCE OPERATIONS – 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. Check heating system, if not blowing hot air check blower motor operations and heater inlet hoses for leaks.
- b. Check air filter for restriction, cold damp weather can cause the air filter to freeze up. So, keep your eye on the vehicle's air restriction indicator. If the indicator reaches the red level, get the element cleaned and dried out, or get a new one.
- c. Check Antifreeze protection. Always use a 60/40 mix of antifreeze to water. This protects against freezing down to -50 F. Check with the dual battery/antifreeze tester.
- d. Check that battery fluid level is up to split-ring. Check the batteries specific gravity with the dual battery/antifreeze tester.
- e. When starting your vehicle's engine, do not activate start switch for more than 10 seconds or with headlights on. If the engine does not start Stop! Wait 10-15 seconds before activating starter switch again. If your truck's engine won't start in three tries, contact Maintenance to have it checked it out.
- f. 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.
- g. Check exhaust pipes and couplings for leaks and loose clamps.

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1. PMCS Considerations (continued):

- h. Drain air reservoirs of water by opening drain valves on bottom of air reservoirs.

2. 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 cap, transmission oil dip stick tube, 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.

3. Recommended fluids and lubricants:

- a. Engine: OEA 30, (O-184) MIL-PRF-46167.
- b. Transmission: OEA 30, (O-183) MIL-PRF-46167.
- 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.

4. Cold Weather Parts

- a. Windshield Wiper Blades. 2540-00-481-3637
- b. Belting adjustable (60 amp alternator) 3030-01-460-1030
- c. Belt, V. water pump 3030-01-398-3367
- d. Hose, preformed. 4720-01-408-1540
- e. Hose, preformed. 4720-01-407-0731
- f. Thermostat. 4820-01-360-2392
- g. Gasket. 5330-01-347-3207
- h. Engine Starter. 2920-01-412-0140
- i. Water pump. 2930-01-482-1210
- j. Filter, element. (air filter) 2940-01-400-3846
- k. Heater vehicle. 2540-01-413-2601

5. For questions contact: M35A3FOV@TACOM.ARMY.MIL