



**P.M. Maintenance Check List
for
Supra Truck Refrigeration Units**



**500 - 1000 - 2000 (422)
750 - 1500 - 3000
(622/644/722/744/844)
1000 - 2000 - 3000 (922/944)**

Truck Number _____ Date _____ Engine Hours _____ Standby Hours _____
 Unit Model _____ Unit Serial Number _____
 Location _____ Inspection Performed By _____
 Customer Name _____ Dealer Name _____

ENGINE

- 1. Change lube oil & filters ①
- 2. Check for oil leaks
- 3. Check low oil pressure safety ②
- 4. Check high and low rpm ②

FUEL SYSTEM

- 1. Drain fuel tank sump
- 2. Clean fuel pump strainer
- 3. Change fuel filter(s)
- 4. Check fuel heater (optional)
- 5. Check for fuel leaks
- 6. Check fuel lines for chafing

COOLING SYSTEM

- 1. Check antifreeze ②
- 2. Clean radiator/condenser fin surface
- 3. Check hoses and connections
- 4. Check water pump
- 5. Check water temperature sensor functions

EXHAUST SYSTEM

- 1. Check mounting hardware
- 2. Check muffler and exhaust pipes

AIR INTAKE SYSTEM

- 1. Check air intake tubing and clamps
- 2. Check air cleaner - clean or replace as required

STARTING CIRCUIT

- 1. Check battery
- 2. Clean battery connections and cable ends
- 3. Check battery hold down clamps
- 4. Check starter operation
- 5. Check glow plug operation

CHARGING CIRCUIT

- 1. Check alternator mounting bolts
- 2. Check alternator brushes
- 3. Check alternator output

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- Every 1000 Hours (422)**
Every 1500 Hours (622/644/722/744/844)
Every 2000 Hours (922/944)
- 1. Perform 500 hour service (422)
 - 2. Perform 750 hour service (622/644/722/744/844)
 - 3. Perform 1000 hour service (922/944)
 - 4. Clean and adjust injector nozzles
- Every 2000 Hours (All Models)**
- 5. Replace alternator brushes

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- Every 2000 Hours or 2 Years (422)**
Every 3000 Hours or 2 Years
(622/644/722/744/844/922/944)
- 1. Check injector nozzles - replace if necessary
 - 2. Take compression reading ②
 - 3. Adjust engine valves
 - 4. Drain and flush engine coolant system

UNIT

- 1. Check unit mounting bolts
- 2. Check engine and compressor mount bolts
- 3. Check door latches & hinges
- 4. Check gauges, switches and electrical connections
- 5. Check all belt tensions ②
- 6. Check control panel door gasket
- 7. Check idler bearings

REFRIGERATION SYSTEM

- 1. Check air switch & calibrate
 (622/644/722/744) = 1.0" +/- 0.07" W.C.
 (422/844/922/944) = 0.7" +/- 0.07" W.C.
- 2. Check & clean evaporator
- 3. Check compressor oil level ②
- 4. Check refrigerant level ②
- 5. Check operating refrigerant pressure ②
- 6. Check all sensor calibrations
- 7. Check defrost drains
- 8. Check auto start/stop operation (if applicable)
- 9. Check quench valve operation ②
- 10. Check manual defrost operation
- 11. Check damper door operation (922/944)
- 12. Check CPR setting (all settings +/- 1 PSIG)
 422 = 23, 622 = 18, 722 = 26, 922 = 27
 644 = 24, 744 = 32, 844 = 29, 944 = 29.

NOTES:

- ① Reference unit service manual for extended oil change intervals on units with bypass oil filter and/or synthetic oil (if applicable).
- ② See applicable service manual.