



PARTS, SERVICE and SUPPORT

CUSTOMER CARE
WARRANTY

MCI PARTS STORE
SERVICE CENTERS

TECHNICAL SUPPORT

- Technical Training Institute
- Service Bulletins
- Maintenance Tips
- Preventive Maintenance
- Quick Reference Charts
- Publications

- Emergency Roadside Assistance

- Locate a Service Center

- Locate your Customer Solutions Team

- Parts Credit Application

MAINTENANCE MATTERS

PROHEAT X45

The PROHEAT® unit installed on your MCI Motor Coach is a 24 Volt, diesel fired auxiliary heater unit. Under normal conditions, the unit adds approximately 45,000 B.T.U.s of heat to the coaches heating system.

In the Motor Coach application, the PROHEAT serves two primary functions:

1. Engine Block Heat
 - o Preheat and maintain engine coolant temperature in cold weather. This function provides quicker and easier cold weather starting, as well as reduces engine wear associated with cold operation.
2. Supplemental Heat
 - o Provides for additional heating capacity for the coach passenger compartment.
 - o Provides quicker engine compliance with emission standards.



NOTE: PROHEAT RECOMMENDS REGULAR OPERATION OF THE UNIT THROUGHOUT THE YEAR TO IMPROVE RELIABILITY. WEEKLY USE IS RECOMMENDED.

The PROHEAT X45 unit is electronically controlled, and monitors itself during operation. Normal operation and malfunctions are indicated on the controller face with a series of L.E.D.s that illuminate to aid the technician in diagnosis.

Detailed information for reading and interpreting the L.E.D. indicators can be found in the Maintenance Manual for your coach, section 16, or from the PROHEAT web site at www.proheat.com. You can also reference service bulletin number [2913](#) for additional information.

PROHEAT PERIODIC MAINTENANCE

Routine Maintenance for your PROHEAT is necessary to keep the unit in proper operating condition. Before performing any Maintenance to your PROHEAT unit, check for any current service announcements for your coach. Your Fleet Support Manager should be able to supply any current information concerning service for your coach. You should also check the Proheat website (www.proheat.com) for a copy of the Proheat service manual or any other maintenance tips.

Weekly Maintenance

In addition to regular daily inspection of hoses and connections, an operator should run the heater through a complete cycle a minimum of once a week to keep new fuel in the heater's critical components.

Annual Maintenance

Prior to the onset of the heating season in your area is the recommended time to perform annual tasks maintenance.

1. Clean Heater Enclosure
 - o Remove the heater enclosure and blow out the compartment with compressed air. Clean any accumulated debris or dust from the components. Make sure the opening around the exhaust pipe is clear. Visually inspect all components for wear or damage.
 - o Clean the flame sensor.
 - o Clean the sight glass using a clean cloth and standard window cleaner.
2. Heat Exchanger
 - o To maintain optimum heat output, clean any combustion deposits that may have accumulated on the heat exchanger fins.
3. Exhaust System
 - o Check the exhaust system carefully. Make sure the exhaust pipe is vented safely. Check for dents, restrictions or severely corroded areas. Replace the exhaust pipe and clamps if needed. Ensure the exhaust pipe clamp is tight.
4. Electrical System
 - o Check the internal and the external wire harness for damage. Replace if required.
5. Clean Air Intake
 - o Check the combustion air inlet screen for restrictions. Clean as required.
6. Fuel System
 - o Check the fuel system for damaged fuel lines or leakage. Make sure the clamps on the fuel lines are secure.
7. Vehicle Batteries
 - o Check the condition of the batteries and the power connections. The heater will not function properly with weak batteries or corroded connections. If you are unsure of their condition, load test each battery separately and replace as required. Clean terminals to remove all corrosion.
8. Operation Test
 - o Run the system for at least 15 minutes or until the heater cycles "OFF" and then "ON" again.

It's just that easy. Just keep these tips handy, and keep your auxiliary heater humming.

