



PARTS, SERVICE and SUPPORT

CUSTOMER CARE
iWARRANTY

MCI PARTS STORE
SERVICE CENTERS

TECHNICAL SUPPORT

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

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- Emergency Roadside Assistance
 - Locate a Service Center
 - Locate your Customer Solutions Team
 - Parts Credit Application

MAINTENANCE MATTERS

Spring HVAC Maintenance

Spring has finally arrived! It's time to check the coaches A/C system to make sure you have a trouble free summer!

Air conditioning is the rejection of heat through an air medium, and requires preventative maintenance to stay efficient.

- ✓ Clean surfaces reject heat. Remember that heat travels to cold, so clean or replace air filters and clean your evaporators and condensers; inspect cores for bent fins, bad fins, corroded sections and signs of oil leakage.
- ✓ Inspect piping and hoses for condition and leakage. If it looks bad, it probably is; "good enough" generally isn't and causes breakdowns of the system, enormous road costs due to coach down, expensive parts shipping costs and unhappy passengers.
- ✓ This is the time to replace the A/C drive belts; at the very least a thorough inspection should be done on the whole radius of the belt to assure a full season of work without down time. It would also be a wise idea to replace the bearing in the idler pulley, or at least inspect the assembly.
- ✓ Inspect the air tensioning system for leaks and proper operation and adjust the air pressure to its proper operating pressure. On mechanical tensioners check adjustability; lubricate threads to assure it will be adjustable if road replacement of the belt is required. Finally, check all fasteners for proper tightness.
- ✓ Verify that there is sufficient oil in the compressor prior to start up using the sight glasses. The proper level should be achieved after 15 minutes of run time.
- ✓ With an ohmmeter, check the A/C clutch for continuity between the pins. There should be about 8 ohms with no continuity to case of compressor on either lead. If the ohms are not close to this reading, replace the clutch coil at this time, spin the clutch and listen for unusual noise or binding. If the reading is accurate, lubricate zerk with Chevron SR-1 grease as per maintenance manual.
- ✓ Check operation of fresh air dampers. These should open and close properly.
- ✓ Replace all motor brushes. Check operation of condenser and evaporator motors.
- ✓ If A/C gauges are available, install them to measure the system's performance and pressures. Run the system. On D series coaches and older with reheat systems, turn the heat all the way up. This will cause the system to work to its full potential. Monitor the gauges and note the system pressures. On newer, computer-controlled systems, heat the coach interior as warm as possible then lower the temperature; monitor the system pressures. If no gauges are available, after 15 minutes of operation inspect the sight glass of the refrigerant system for proper level.
- ✓ Check operation of parcel rack A/C.
- ✓ Check all evaporator drains to assure proper drainage.
- ✓ Close the winter floor vents. Feel for even air flow at sidewalls, and visually inspect side wall vents for clogs and debris. Sit inside the coach. Is the temperature comfortable? Is it controllable? Test with a thermometer for large temperature variations, front to back and left to right.