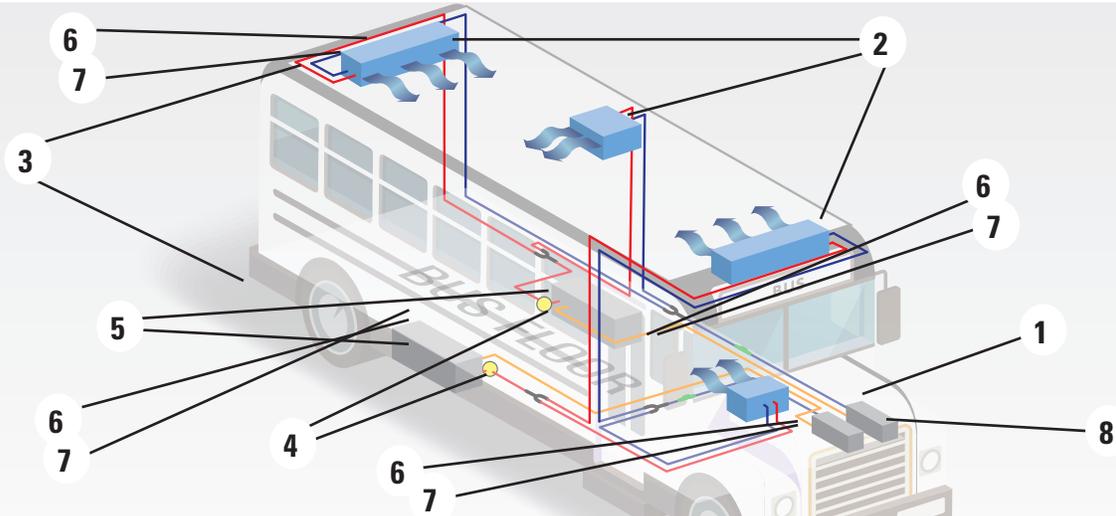




# COOL ZONE BUS AC PREVENTATIVE MAINTENANCE SCHEDULE & GUIDELINES



Use extreme caution around engine compartment and any other moving parts. Have system maintenance and service performed by a qualified technician.

#	Maintenance Item	What to Check/Do	Schedule
0	System General Awareness	Make sure system is registered at Bergstrom for warranty Ensure that the drivers are trained in proper system operation and know the nearest authorized service center	At Delivery
1	Charge Level/Pressure	Use Pressure/Temperature Chart	Yearly
The correct pressure, at ambient temperature, verifies proper refrigerant charge. Recharge as needed using the most current revision of the Bergstrom requirements. (Recharging must be done by a qualified technician.)			
2	Evaporator Filter(s)	Cleanliness A properly maintained, clean filter maximizes the air flow and system performance.	Weekly
2	Evaporator Coil(s)	Cleanliness A properly maintained, clean evaporator coil will ensure maximum heat transfer and system performance.	Monthly
2	Evaporator Blower(s)	General Function A proper air flow across the evaporator coil allows for efficient heat transfer. Check to make sure all blowers are actually operating correctly.	Monthly
3	Evaporator Drain Line(s)	Kazoo & Hose secured/Free from debris A properly located drain line(s) will keep water from collecting in the evaporator drain pan. On a hot humid day the evaporator should drip water under the vehicle.	Yearly
4	Sight Glass/Moisture Indicator(s)	Color Deep Green or Purple = Absence of moisture, Yellow or Pink = Moisture is present (Immediate system service is required to prevent system damage)	Monthly
5	Condenser Coil(s)	Cleanliness A properly maintained, clean condenser coil will ensure maximum heat transfer and system performance. Clean with a non-caustic cleaner.	Monthly
5	Condenser Fan(s)	General Function A proper air flow across the condenser coil allows for efficient heat transfer. Check to make sure all fans are actually operating when the compressor is engaged.	Monthly
6	Hoses/Piping	Secure and Protected A properly supported hose prevents the possibility of refrigerant leaks. Check for residue around the connection (sign of refrigerant leak) / hose wear from rubbing other objects / loose or missing clamps.	Monthly
7	Wiring Harness(es)	Secure and Protected A properly supported and protected harness prevents the possibility of electrical issues.	Monthly
8	Compressor Belt(s)	Tension and Wear A properly tensioned belt ensures maximum compressor performance and belt life.	Weekly

THE FOLLOWING CONDITIONS REQUIRE IMMEDIATE SERVICE BY A QUALIFIED TECHNICIAN



- Vibration and/or noise from the engine compartment
- Oil around the refrigeration hose connections
- Water dripping in the passenger area from the evaporator/ducts
- Vibration and/or noise from the evaporator area
- Noticeable decrease in the system performance
- Reduced air flow

Air Conditioning Operation and Refrigeration Cycle Reference

