

**HEATER TROUBLE SHOOTING GUIDE  
FOR EVANS TEMPCON HEATER - A/C SYSTEMS**

<b><u>PROBLEM</u></b>	<b><u>POSSIBLE CAUSES</u></b>	<b><u>REMEDY</u></b>
1. Inadequate or No Heat (Discharge air only slightly warm, or neutral).	<ul style="list-style-type: none"> <li>* Engine Cooling System is low on Coolant.</li>   <li>* Water Valve stuck closed</li>   <li>* For Electric Valves see: <b>ELECTRONIC COOLANT VALVE</b></li>   <li>* Excessive Air Leaks in Coach Body work and firewall under Dash.</li>   <li>* Pinched Heater Hose or other system flow restriction</li> </ul>	<ul style="list-style-type: none"> <li>* Check engine coolant level per Chassis Manufacturer's recommendation. Add Coolant as required.</li>   <li>* Cable Operated Valve: Examine Coolant Valve Cable under the Hood, and at the Control Panel behind the dash to ensure that the actuator cable is correctly installed at both locations. Operate the Valve by rotating the Temperature Control Knob on the Control Panel back and forth and observe crank rotation at the valve. With engine running at normal operating temperature, position Control Panel Knob to full heat. Hoses on both sides of Valve should be hot to touch. If not, replace Coolant Valve.</li>   <li>* Locate and seal leaks as required.</li>   <li>* Examine Heater Hoses from Engine Cooling System to the Heater Core for pinches and kinks. Repair or replace as required. Visually examine Heater Core for dented tubes. Check the core for free flow by circulating an outside water source through it. Replace Heater Core if a restriction is observed.</li> </ul>

**NOTE: FOLLOW DIAGNOSIS PROCEDURE IN "REMEDY" COLUMN IN THE ORDER LISTED.**

## HEATER TROUBLE SHOOTING GUIDE (Cont'd)

### PROBLEM

### POSSIBLE CAUSES

### REMEDY

1. Cont'd

\* Engine Running Cold. Engine  
Thermostat Stuck Open.

\* Check engine coolant temperature  
specifications according to Chassis  
Manufacturer's recommendations.  
Repair if required.

NOTE: FOLLOW DIAGNOSIS PROCEDURE IN "REMEDY" COLUMN IN THE ORDER LISTED.