ILATER-A/C STSTEMS					
PROBLEM		POSSIBLE CAUSES		REMEDY	
Air flow comes from defrost louvers regardless of mode selected.	*	Vacuum supply line to control panel has fallen off of vacuum reservoir.	*	Ensure that black line of vacuum harness is pushed fully onto the corresponding port of the vacuum reservoir.	
	*	Manifold vacuum supply Hose has fallen off at vacuum reservoir or at manifold port.	*	Ensure that both ends o the supply hose are firmly attached to their corresponding ports.	
	*	Severe leakage in Vacuum supply circuit.	*	Examine vacuum supply hose from manifold to vacuum ball and black supply lead of vacuum harness from vacuum ball to control panel for cuts or pinching. Repair/replace as required.	
	*	Faulty control panel or vacuum harness.	*	Having checked above causes and finding no problem: Check for vacuum at the white, red, green and blue vacuum leads of the harness while changing through all operational modes. If no vacuum is detached, replace control panel and/or harness.	
	*	Pinched vacuum lines.	*	Insect red, green and white vacuum lines for pinching or kinking. Repair/replace as required.	

	HEATER-A/C STSTEMS					
2	PROBLEM Air flow is suddenly and momentarily diverted to defrost louvers while driving.	*	POSSIBLE CAUSES Leak in vacuum reservoir, vacuum hose from manifold or vacuum reservoir check valve. Inadequate vacuum supply.	*	REMEDY Measure vacuum at the small port on the reservoir with the engine running at idle. Turn the engine off and take note of the time for vacuum loss to 10in. Of hg. If this time is shorter than 5 seconds, inspect hose and reservoir for leaks. Repair/replace as required.	
3	Air flow comes from face louvers regardless of mode selected.	*	Face door of air box is binding.	*	Inspect door for adequate clearance with top and bottom of air box, or any loose foam seals. Repair/replace as required.	
		*	Door/vacuum motor linkage has come apart.	*	Re-assemble linkage. Check for proper operation.	
		*	Door/vacuum motor linkage is binding.	*	Inspect linkage for bind points. If necessary, increase clearances with a small file. Check for proper operation.	
		*	Faulty control panel.	*	With engine running, select Floor, Mix or Defrost mode on the control panel. Remove the green and white	

vacuum leads from the vacuum motor. If face door closes and vacuum is present at the green and white leads, replace

control panel.

	ILAILK-A/C SISILPIS						
	PROBLEM		POSSIBLE CAUSES		REMEDY		
4	Fresh Air/Recirc. Air door does not operate. Air flow modes operate correctly.	*	Recirc. & Fresh air door(s) binding.	*	Inspect door(s) for interference points with evaporator case, or loose foam seals. Repair/replace as required.		
		*	Pinched vacuum line.	*	Inspect blue vacuum line(s) for pinching or kinking. Repair/replace as required.		
		*	Door/vacuum motor linkage has come apart.	*	Re-assemble linkage. Check for proper operation.		
		*	Door/vacuum motor linkage is binding.	*	Inspect linkage for bind points. If necessary, increase clearances with a small file. Check for proper operation.		
		*	Faulty control panel.	*	With engine running, position the temperature slide lever to the recirc position. If vacuum is not present at the blue lead, replace the control panel.		
		*	Faulty vacuum motor.	*	With engine running, position the temperature		

 With engine running, position the temperature slide lever to the recirc position. If vacuum is present at the blue lead, replace vacuum motor.

VACUUM TROUBLESHOOTING GUIDE FOR EVANS TEMPCON **HEATER-A/C SYSTEMS POSSIBLE CAUSES** PROBLEM REMEDY

- 5 Inability to change air flow to defrost mode. Floor and face mode operate correctly.
- * Defrost door of air box is * binding.

Inspect door for adequate clearance with top and bottom of air box or any loose foam seals. Repair/replace as required.

a small file. Check for

With engine running,

select Defrost mode on

Remove the red vacuum

motor. If door closes on the floor collars of the air box and there is vacuum present at the red lead, replace control

proper operation.

the control panel.

lead from vacuum

Repair/replace as

- * * Inspect linkage for bind Door/vacuum motor points. If necessary, linkage is binding. increase clearance with
- * * Faulty control panel.

- 6 Inability to change air flow to Floor mode. Defrost and Face mode operate correctly.
- Defrost/Floor door binding.

*

- panel * Inspect door for adequate clearance with top and bottom of air box, or, for any loose foam seals.
- * Inspect red vacuum lead Pinched vacuum line(s). *
 - for pinching or kinking. Repair/replace as required.

required.

Door/vacuum motor * Re-assemble linkage. linkage has come apart. Check for proper operation.

					DEMERY
	PROBLEM		POSSIBLE CAUSES		REMEDY
6	Continued	*	Door/vacuum motor linkage is binding.	*	Inspect linkage for bind points. If necessary, increase clearances with a small file. Check for proper operation.
		*	Faulty control panel.	*	With engine running, select Floor mode. If vacuum is not present at the red lead, replace control panel.
		*	Faulty vacuum motor.	*	With the engine running, select Floor mode. If vacuum is present at the red lead, replace vacuum motor.
7	Inability to obtain air flow from face louvers. Defrost and floor mode operate correctly.	*	Face door is binding.	*	Inspect door for adequate clearance with top and bottom of air box, or for any loose foam seals. Repair/replace as required.
		*	Pinched vacuum line(s).	*	Inspect green and white vacuum lines for pinching or kinking. Repair/replace as required.
		*	Door/Vacuum motor linkage has come apart.	*	Re-assemble linkage. Check for proper operation.
		*	Door/vacuum motor linkage is binding.	*	Inspect linkage for bind points. If necessary, increase clearance with a small file. Check for proper operation.

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	PROBLEM		POSSIBLE CAUSES		REMEDY
7	Continued	*	Faulty control panel.	*	With engine running, depress Face mode button. If vacuum is not present at green or white vacuum lines, replace control panel.
		*	Faulty vacuum motor.	*	With the engine running, depress the Face mode button. If vacuum is present at the yellow and white lines, replace vacuum motor.
		*	Green and white vacuum leads reversed on Bi- Level vacuum motor.	*	Switch leads.
8	Inability to obtain Bi- Level air flow. Other modes operate correctly.	*	Refer to "Possible Causes" list for Problem #7.	*	Refer to "Remedy" list for Problem #7. High probability of reversed green and white vacuum leads on Bi-Level motor.