

### DIAGNOSIS AND TESTING (Continued)

If a momentary hiss can be heard as each function button is depressed from one position to another, vacuum is available at the control assembly. Cycle the function buttons through each position with the blower on HI and check the location(s) of the discharge air. The EATC System Airflow Schematic and Vacuum Control Chart shows the vacuum motors applied for each function selection along with an airflow diagram of the system. The airflow diagram shows the position of each door when vacuum is applied and their no-vacuum position. With this chart, airflow for each position of the control assembly can be determined. If a vacuum motor fails to operate, the motor can readily be found because the airflow will be incorrect.

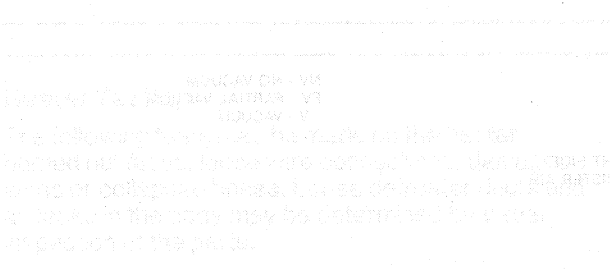
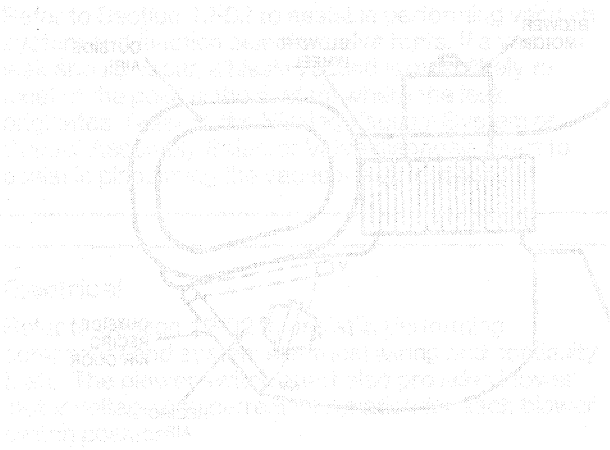


Fig. 1. Blower Motor and Control Panel

FUNCTION	VACUUM MOTOR	AIRFLOW
OFF	None	None
RECIRCULATE	Recirculation Motor	Recirculation Door Open
FRONT FLOOR	Front Floor Motor	Front Floor Door Open
REAR FLOOR	Rear Floor Motor	Rear Floor Door Open
DEFROST	Defrost Motor	Defrost Door Open
MAX HEAT	None	None

Fig. 2. Vacuum Control Chart

If the system functions normally at this time, but a hiss is detected during operation, a leak exists in the system. The leak can be located by spraying the engine and using a gauge to check for vacuum loss. This selectively blocking of vacuum hoses, according to the vacuum schematic and diagnosis chart, will allow the technician to determine the location of the leak.

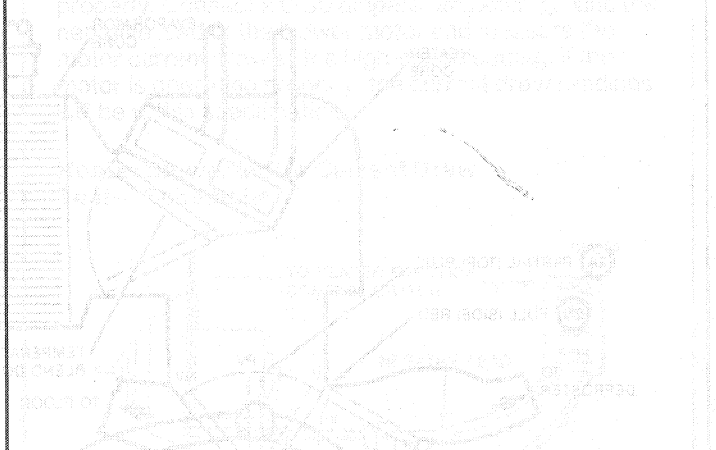
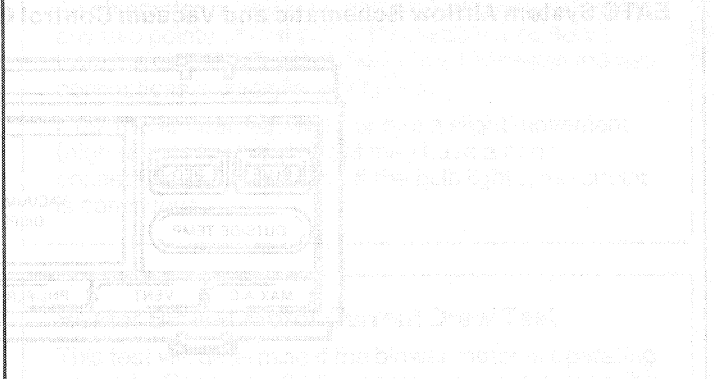


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MAX HEAT	None	None

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If a vacuum motor is inoperative, check the operation of the motor with Rotunda Vacuum Tester 02-10074 or equivalent. If the vacuum motor operates properly, the vacuum hose is probably clogged. Check the vacuum schematic and diagnosis chart for the location of the vacuum hoses. If a vacuum motor is inoperative, check the operation of the motor with Rotunda Vacuum Tester 02-10074 or equivalent. If the vacuum motor operates properly, the vacuum hose is probably clogged. Check the vacuum schematic and diagnosis chart for the location of the vacuum hoses.