VACUUM SYSTEM

Function

Air Flo Control: OFF
Temp Control: VENT

1. The vacuum switches on both controls are all on and will conduct vacuum.
2. The centre flap is opened as vacuum is applied.
3. The demist flaps are closed as vacuum is applied.
4. The blower motor casing air intake flaps are closed as vacuum is applied and no air transfer from the exterior to the interior of the vehicle can take place.
5. The right hand side vacuum actuator is operative. This operates to open the upper cooling flap.
6. The left hand side vacuum actuator is operative. The lower heating flap in this mode is controlled by a cam and peg on the right hand side of the heater unit. These operate the flap in all positions except defrost.
7. The water valve is closed as vacuum is applied and water will not circulate through the heater matrix.

Air Flo Control: RAM, LO, MED or HI
Temp Control: VENT

The vacuum switches on the right hand control are all 'On' and conducting vacuum to the relevant units.
The units are:

1. The flaps in the screen vents.
2. The vacuum actuators on both sides of heater unit are operative.
3. The water valve is closed as vacuum is applied and water will not circulate through the heater matrix.
4. The centre flap is opened as vacuum is applied.

The vacuum switch on the left hand control is 'Off' and not conducting vacuum. The actuators on the blower motor casing are relaxed. The spring tension therefore opens the flaps to allow ambient air to the interior of the vehicle.

Air Flo Control: RAM, LO, MED or HI
Temp Control: LO—HI

1. The vacuum switch on the left hand control is 'Off' and not conducting vacuum. The actuators on the blower motor casing are relaxed. The spring tension therefore opens the flaps to allow ambient air to the interior of the vehicle.
2. The vacuum switches on the right hand are 'Off'.
3. Vacuum will be removed from the centre flap and the flap will close.
4. Vacuum will be removed from the right hand side actuator and the upper cooling flap will close to a position where the nylon disc and cam will take over the closing operation. The nylon disc is fitted with an additional abutment rod and lever that holds the upper cooling flap cam follower firmly against the cam profile.
5. The vacuum applied to the water valve has been removed therefore the valve opens to allow water to circulate the heater matrix.

Air Flo Control: RAM, LO, MED or HI
Temp Control: DEF

1. In the 'DEF' mode vacuum is not applied to any of the actuators.
2. The centre flap is closed.
3. The vacuum actuator on the right hand side is inoperative and the upper cooling flap is closed.
4. The vacuum applied to the water valve has been removed therefore the valve opens to allow water to circulate the heater matrix.
5. The demist flaps to the screen are opened.
6. The vacuum actuator on the left hand side is inoperative and the lever attached to the lower heater flap is pushed upwards closing the flap. This overrides the action of the cam and peg on the right hand side of the lower heating pivot.

KEY TO VACUUM SYSTEM DIAGRAM

1. Demist flap actuator
2. Centre flap actuator
3. Actuator on the right hand side of heater unit
4. Actuator on the left hand side of heater unit
5. Switch on 'AIR FLO' control
6. Front switch on 'TEMP' control
7. Rear switch on 'TEMP' control
8. Blower flap actuator
9. To vacuum tank
10. To water valve actuator

HEATING AND VENTILATING VACUUM SYSTEM