

SECTION 2E - ELECTRONIC CLIMATE CONTROL – REMOVAL AND INSTALLATION

CAUTION:

This vehicle will be equipped with a Supplemental Restraint System (SRS). A SRS will consist of either seat belt pre-tensioners and a driver's air bag, seat belt pre-tensioners and a driver's and front passenger's air bags or seat belt pre-tensioners, driver's and front passenger's air bag and left and right hand side air bags. Refer to SAFETY PRECAUTIONS, Section 12M Supplemental Restraint System in this Service Information before performing any service operation on, or around any SRS components, the steering mechanism or wiring. Failure to follow the SAFETY PRECAUTIONS could result in SRS deployment, resulting in possible personal injury or unnecessary SRS system repairs.

CAUTION:

This vehicle may be equipped with LPG (Liquefied Petroleum Gas). In the interests of safety, the LPG fuel system should be isolated by turning 'OFF' the manual service valve and then draining the LPG service lines, before any service work is carried out on the vehicle. Refer to the LPG leaflet included with the Owner's Handbook for details or the appropriate Section of this Service Information for more specific servicing information.

1. GENERAL INFORMATION

The removal and installation procedures for the Electronic Climate Control (ECC) for early VT Series II Models remain unchanged from the information published in the VT Series I Service Information.

For VT Series II Models built from early October 1999, Vehicle Identification Number L514226 – Single Zone and L513521 – Dual Zone, the following modifications are applicable:

- The vacuum solenoid pack fitted to the HVAC unit was changed from a five solenoid pack to a six solenoid pack. The additional solenoid is used to activate the heater water valve.
- Modifications have been made to the vacuum harness and wiring harness to accommodate the additional vacuum solenoid.
- The vacuum switch assembly has been deleted as part of this modification.

Due to a number of discrepancies shown in the ECC electrical connector terminal assignment chart in Volume 1, this chart has been corrected and republished in this Section. This republished chart supersedes the ECC electrical connector chart detailed in [Section 2E ELECTRONIC CLIMATE CONTROL – REMOVAL AND INSTALLATION](#) of the VT Series I Service Information.

It should be noted that this chart is only intended as a guide for removal and installation procedures. Whenever any diagnosis or repairs to the electrical connectors and wiring is required, reference to the ECC wiring diagrams, connector terminal assignments or diagnosis procedures should be made. Refer to the appropriate Sections in this Service Information.

2 VACUUM LINE CHECK

REMOVE

1. Locate the vacuum solenoid pack (in the upper left-hand side footwell) and disconnect the plastic vacuum manifold (1).
2. Connect a Mityvac (2) or similar tool to the appropriate port of the plastic vacuum manifold.
3. Using the Mityvac, apply a vacuum to the manifold port. Observe the Mityvac gauge (3) to see if the needle rises to positive pressure indicating a vacuum leak.
4. If a vacuum leak is indicated it could be either the vacuum tubing or the vacuum actuator (ensure that the vacuum tubing is not dislodged from the vacuum actuator). Each of these components will have to be vacuum leak checked individually.

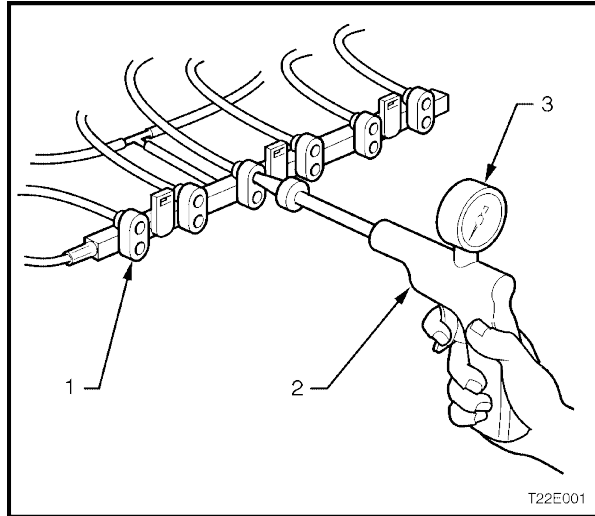


Figure 2E-1

REINSTALL

1. Install the plastic vacuum manifold to the vacuum solenoid pack ensuring that the manifold is fitted securely to the manifold retaining tangs (1) and that the vacuum tubing is not kinked.

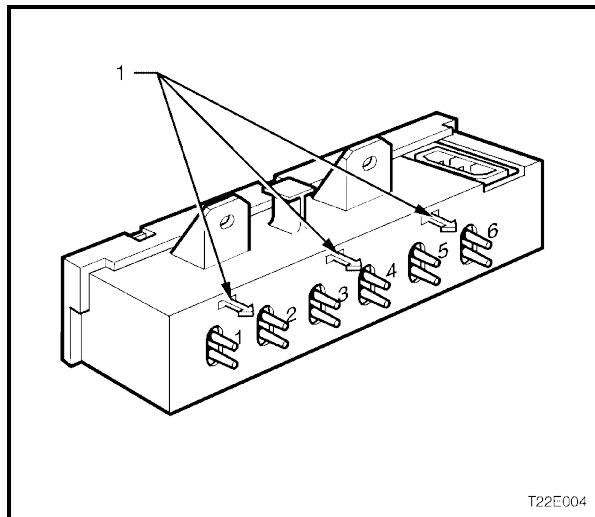


Figure 2E-2

2. Ensure that the vacuum tubing is connected to the correct ports of the solenoid pack. Figure 2E-3 shows the solenoid outlets from the vacuum solenoid pack.

- (1) Fresh/recirculation (Blue)
- (2) Face 1 (White)
- (3) Face 2 (Green)
- (4) Foot 1 (Red)
- (5) Foot 2 (Orange)
- (6) Water valve (Yellow)

The black tubing is connected to the vacuum tank.

3. Turn the EEC system on and check for correct operation

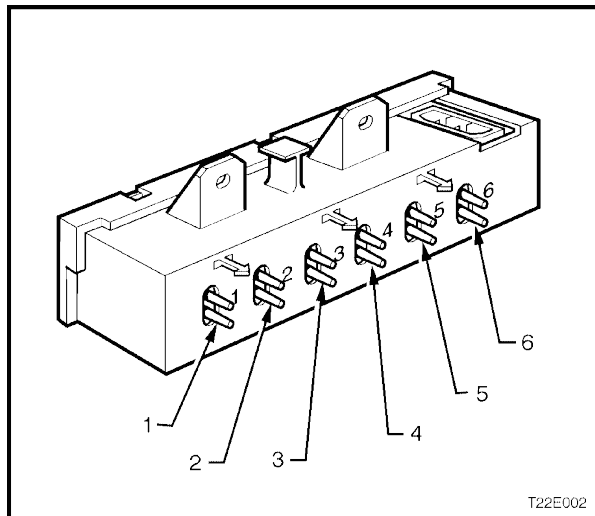


Figure 2E-3