

CRUISE CONTROL SYSTEM

Article Text

1993 Volkswagen Passat

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Wednesday, March 22, 2000 10:04PM

ARTICLE BEGINNING

1993 ACCESSORIES & EQUIPMENT

Volkswagen Cruise Control Systems

Volkswagen; Corrado SLC, EuroVan, Passat

DESCRIPTION & OPERATION

The cruise control system allows driver to maintain a constant cruising speed above 22 MPH without depressing the accelerator pedal. The cruise control system consists of a vacuum pump, vacuum servo unit, vent valves and a control module. See Fig. 1 and 2.

The cruise control system is operated by placing RES/ON/OFF switch in the ON position. Accelerate to desired speed and press the SET button. This sets the cruising speed and stores it in memory. Pushing the SET button again will increase the previous set speed until the button is released.

Cruise control system will disengage temporarily when the brake or clutch pedal is depressed. To reactivate system, slide the RES/ON/OFF button to RESUME. The vehicle will automatically accelerate to the previous set speed. To erase set speed from memory, slide the RES/ON/OFF button to OFF.

WARNING: DO NOT shift into Neutral when cruise control system is switched on.

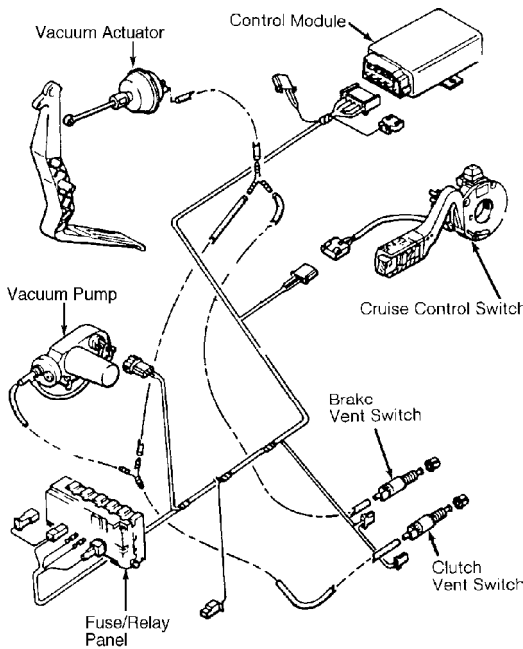


Fig. 1: Identifying Cruise Control System Components
(Corrado SLC Is Shown; Passat Is Similar)
Courtesy of Volkswagen United States, Inc.

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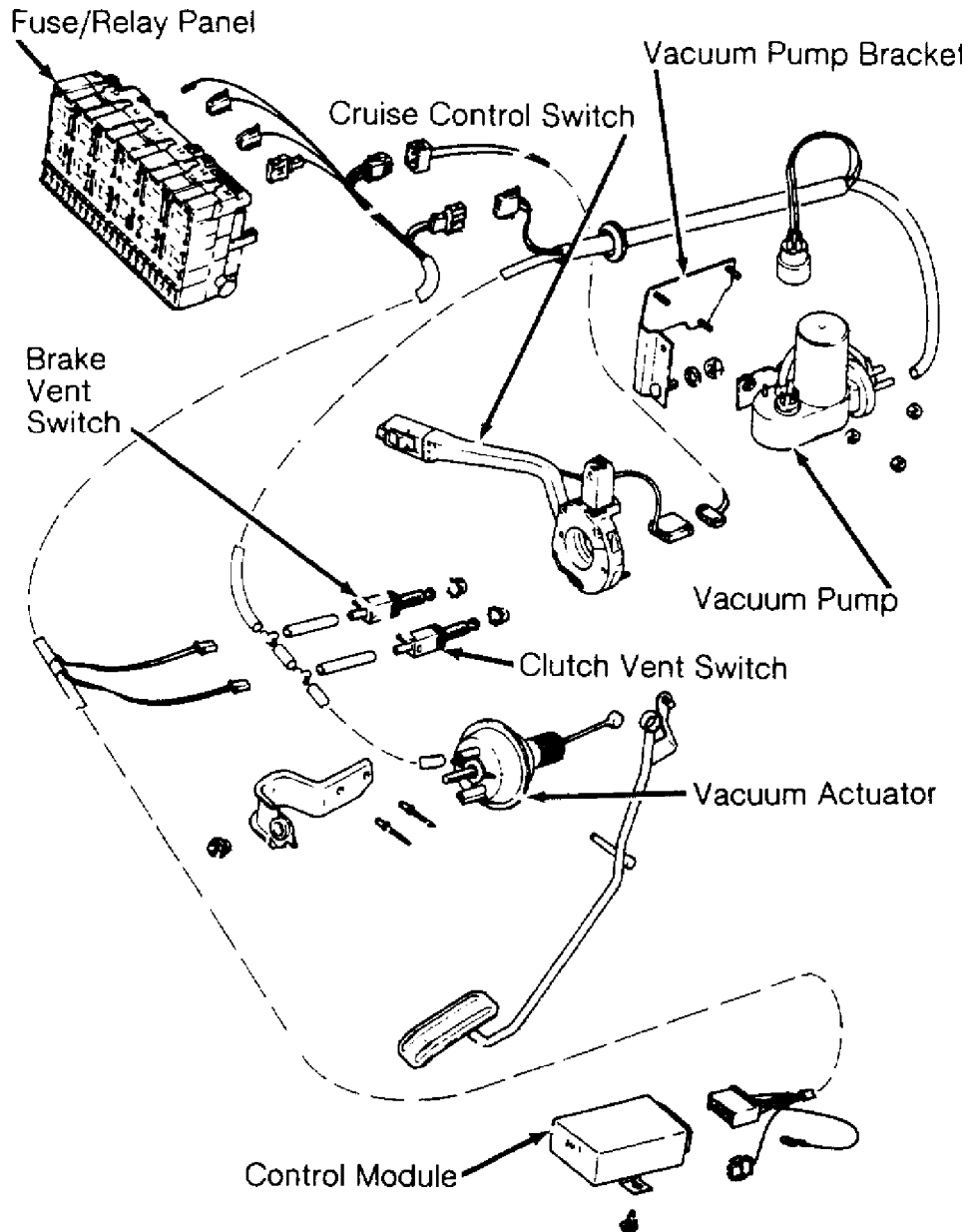
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Fig. 2: Identifying Cruise Control System Components (EuroVan)
Courtesy of Volkswagen United States, Inc.

ADJUSTMENTS

VACUUM ACTUATOR

Corrado SLC & Passat

Loosen vacuum actuator adjustment sleeve and push forward.

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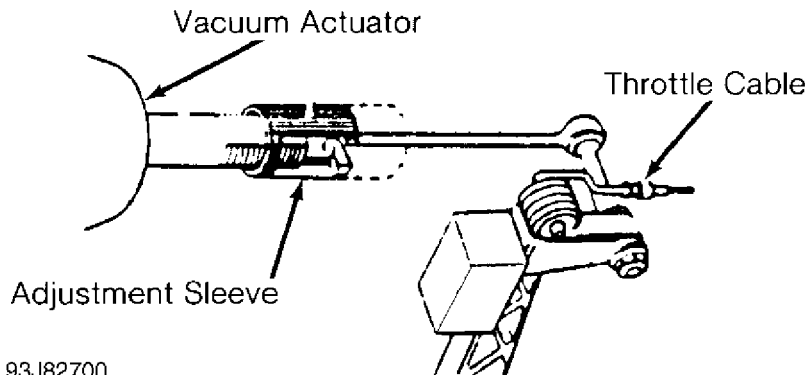
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See Fig. 3. Adjust cable as necessary. Pull adjustment sleeve toward rear until .14" (3.5 mm) of play is obtained at pedal plate. Check accelerator pedal clearance.



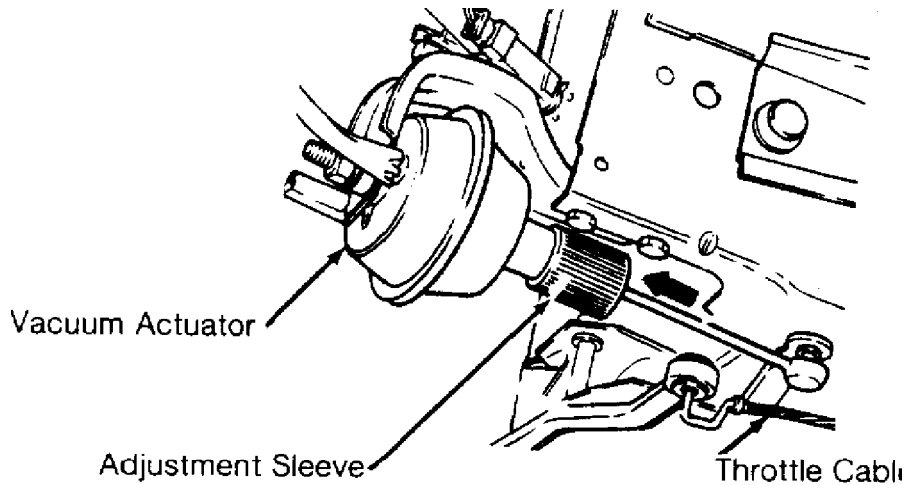
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Fig. 3: Adjusting Vacuum Actuator (Corrado SLC & Passat)
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VACUUM SERVO LINKAGE

EuroVan

Ensure throttle linkage is fully released. Push adjustment sleeve and linkage forward. See Fig. 4. Turn adjusting linkage to lock. Ensure throttle linkage operates freely.



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Fig. 4: Adjusting Vacuum Servo Linkage (EuroVan)
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REMOVAL & INSTALLATION

BRAKE & CLUTCH VENT VALVES

Removal

Remove trim panel and vent duct from beneath left side of

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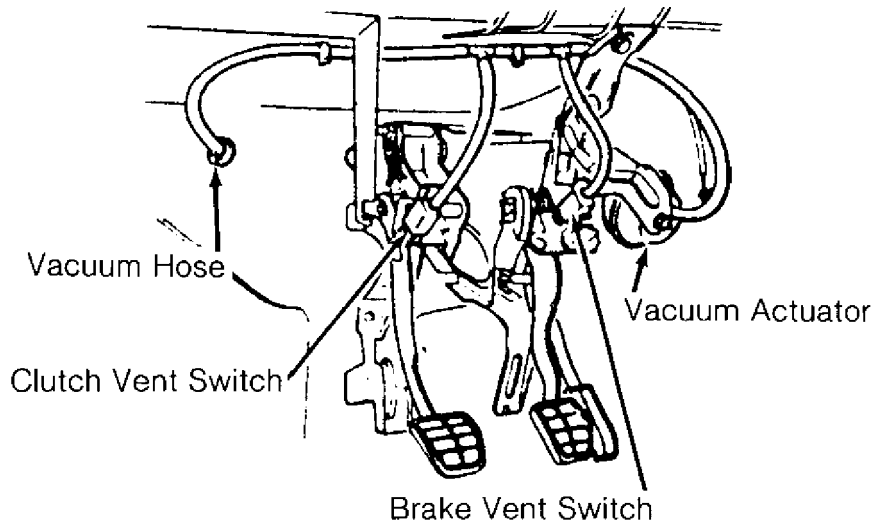
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instrument panel. Brake and clutch switches are located on a bracket in front of associated pedal. See Fig. 5 or 6. Disconnect wiring and vacuum hose from valve. Rotate vent valve out of bracket.

Installation

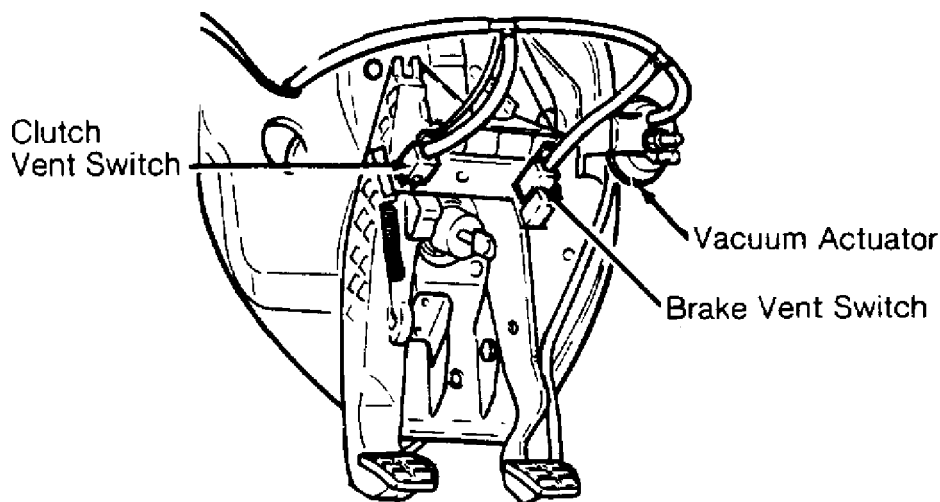
Install brake or clutch vent valve into bracket until valve is seated. Pull back pedal as far as it will go. Slowly release pedal to adjust switch.



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Fig. 5: Identifying Brake & Clutch Vent Valves System Components (Corrado SLC & Passat)

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Fig. 6: Identifying Brake & Clutch Vent Valves System Components (EuroVan)

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CONTROL UNIT

Removal & Installation

Remove glove compartment. Remove control module mounting bracket. Remove control unit wiring harness connectors. Remove control module. To install, reverse removal procedure.

STEERING COLUMN CONTROL SWITCH

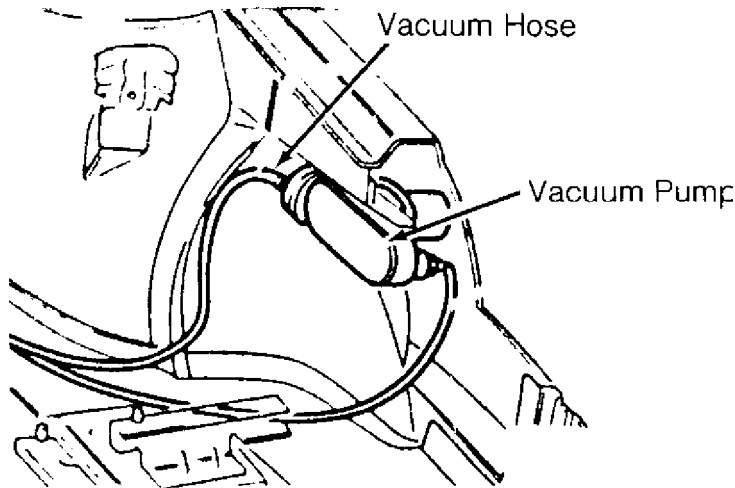
Removal & Installation

Remove steering wheel. Loosen steering column switch clamp and pull up steering column switch. Disconnect electrical connector and remove steering column control switch. To install, reverse removal procedure.

VACUUM PUMP

Removal & Installation

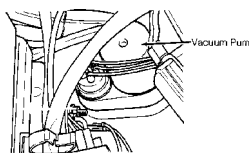
On Corrado SLC and Passat models, remove windshield washer mounting bracket. Remove battery. On all models, remove screws and vacuum pump fender. See Fig. 7 or 8. To install, reverse removal procedure.



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Fig. 7: Identifying Vacuum Pump Components (Corrado SLC & Passat)

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Fig. 8: Identifying Vacuum Pump Components (EuroVan)

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VACUUM SERVO

Removal & Installation

1) Detach linkage and remove vacuum hose from vacuum servo. Remove nut and servo from bracket. To install, reverse removal procedure. Adjust linkage as necessary.

TESTING

VACUUM CHECK

Locate vacuum pump. See Fig. 7 or 8. Remove vacuum line from vacuum pump. Push vacuum actuator diaphragm inward. Apply brake pedal by hand until pressure is felt. Release brake pedal. If diaphragm moves, repair or replace as necessary.

WIRING DIAGRAMS

See appropriate chassis wiring diagram in WIRING DIAGRAMS.

END OF ARTICLE