

HORNS

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GENERAL INFORMATION

WARNING: ON VEHICLES EQUIPPED WITH AN AIR BAG, SEE GROUP 8M - RESTRAINT SYSTEMS FOR STEERING WHEEL REMOVAL PROCEDURES.

The horn circuit consists of a horn switch, horn relay and horns. The relay plugs into the relay center located under the glove box.

Battery voltage is applied to the horn relay at all times through fuse #13, located in the fuse block. The fuse block is located in the passenger end of the instrument panel.

When the horn switch is depressed, the horn relay is grounded, pulling the contact closed and providing battery voltage to the horns.

The horn is also activated by the security alarm system. When the alarm is triggered, the security alarm module grounds the horn relay for a specified cycle time. Refer to Group 8Q - Theft Security System.

HORNS WILL NOT SOUND

Refer to Group 8W - Wiring Diagrams for a complete circuit diagram.

If the horn functions properly except for the security alarm system, refer Group 8Q - Theft Security System.

HORN RELAY

- Inspect 20 amp fuse, #13, located in the Fuse block. Replace fuse as required.
- Depress Horn Switch. The relay contacts should click. If ok, go to HORNS. If not, go to next step.
- Remove relay (BLACK) from the relay center located under the glove box (Fig. 5). There should be battery voltage at cavity 1. If not, repair open in circuit to relay.
- Depress horn switch. Measure resistance between relay cavity 2 and ground. The meter should read zero ohms. If not, repair open to horn switch ground.
- Measure resistance between relay cavity 4 and ground. The meter should read almost zero ohms (horn resistance) If OK, replace relay. If not, repair open in circuit between relay and horn.

HORN

- Measure the resistance between the horn connector pin B (black) and chassis ground. The meter should read zero ohms. If not, repair open to ground.

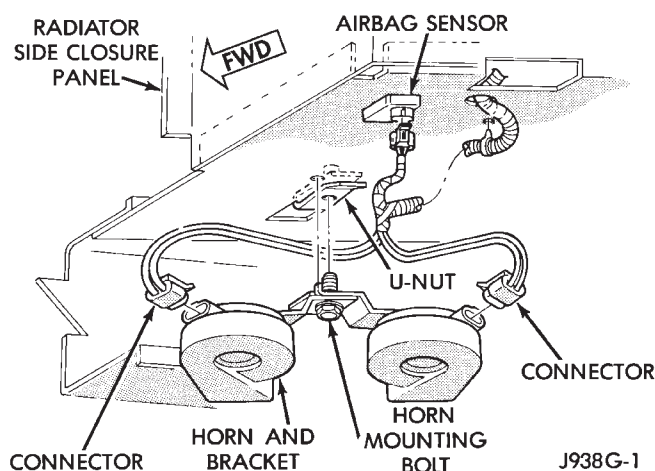


Fig. 1 Horn Removal/Installation

- Disconnect horn connector. Depress Horn Switch. There should be battery voltage at the horn connector pin A (dark green). If OK, replace horn assembly. If not, repair open to relay.

HORNS SOUND CONTINUOUSLY

CAUTION: Continuous sounding of horns may cause relay to fail.

(1) Unplug the horn relay from the relay center underneath the glove box (Fig. 5). Plug in a known good relay. If the horns stop blowing, the relay is defective and must be replaced. Should the horns still sound, replace original relay and proceed as follows:

(a) Connect one lead of test lamp to relay terminal 1 (battery) on the relay bank.

(b) Connect the other lead to relay terminal 2 (switch) on the relay bank. Should the lamp illuminate, either the wire from the horn switch is shorted to ground or the horn switch is defective. Continue to next step.

WARNING: BEFORE BEGINNING ANY AIR BAG SYSTEM COMPONENT REMOVAL OR INSTALLATION, REMOVE AND ISOLATE THE NEGATIVE (-) CABLE FROM THE BATTERY. THIS IS THE ONLY SURE WAY TO DISABLE THE AIR BAG SYSTEM. FAILURE TO DO THIS COULD RESULT IN ACCIDENTAL AIR BAG DEPLOYMENT AND POSSIBLE INJURY.

(2) Disconnect and isolate the battery negative cable.

(3) Remove 4 retaining nuts from back of steering wheel. Remove air bag module (Fig. 2).

(4) Disconnect wire from rear of air bag module.

(5) Place air bag module on a clean level surface with pad facing upward.

(6) Pry out 2 trim cover buttons on back of steering wheel to access retaining screws for the horn switch.

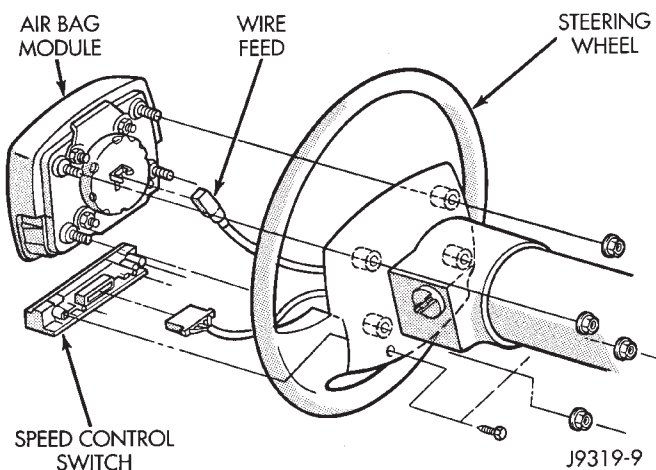


Fig. 2 Horn Switch Removal/Installation

(7) Remove 2 screws and disconnect horn wires located in the lower portion of steering wheel.

(8) Repeat the previous test and if the test lamp still illuminates, wire is shorted and should be repaired. If test lamp does not illuminate, horn switch is defective and must be replaced.

HORN SWITCH REPLACEMENT

WARNING: BEFORE BEGINNING ANY AIR BAG SYSTEM COMPONENT REMOVAL OR INSTALLATION, REMOVE AND ISOLATE THE NEGATIVE (-) CABLE FROM THE BATTERY. THIS IS THE ONLY SURE WAY TO DISABLE THE AIR BAG SYSTEM. FAILURE TO DO THIS COULD RESULT IN ACCIDENTAL AIR BAG DEPLOYMENT AND POSSIBLE INJURY.

(1) Disconnect and isolate the battery negative cable.

(2) Remove 4 retaining nuts from back of steering wheel. Remove air bag module.

(3) Disconnect wire from rear of air bag module.

(4) Place air bag module on a clean level surface with pad facing upward.

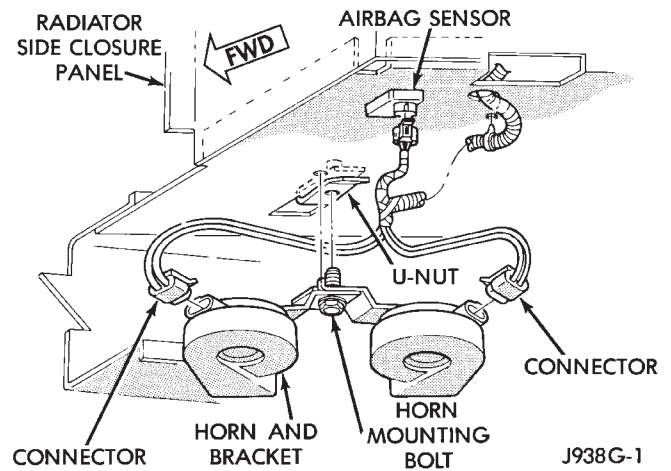
(5) Pry out 2 trim cover buttons on back of steering wheel to access retaining screws for the horn switch.

(6) Remove 2 screws and disconnect horn wires located in the lower portion of steering wheel. Push wires through the access holes and remove horn switch.

(7) To install, reverse the previous procedures. Use caution not to pinch wires.

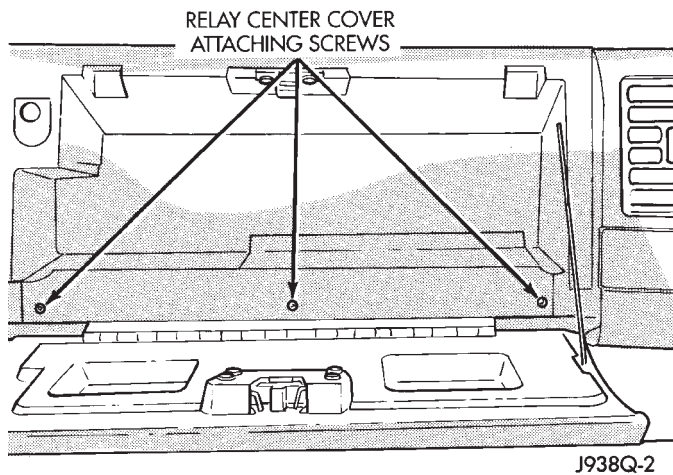
HORN REPLACEMENT

- (1) Raise and support the vehicle.
- (2) Remove the splash shield from passenger side of vehicle.
- (3) Disconnect wire harness connector from the horn (Fig. 3).
- (4) Remove horn mounting bolt and horns. Horn and bracket are removed as an assembly.

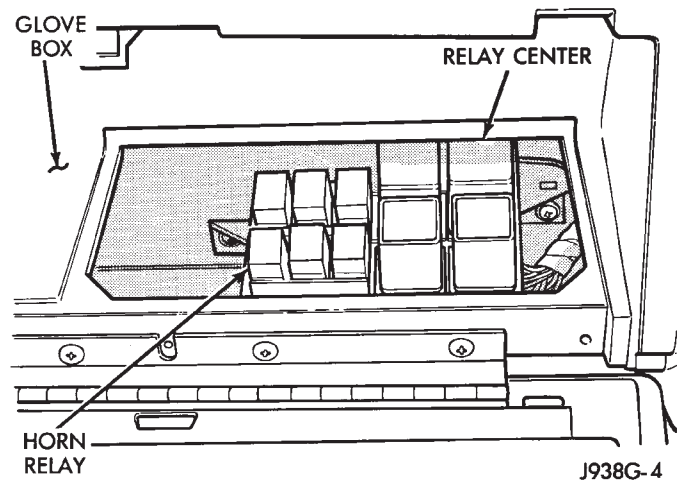
*Fig. 3 Horn Removal/Installation*

RELAY REPLACEMENT

- (1) Open glove box and remove 3 screws holding relay center cover (Fig. 4).

*Fig. 4 Relay Center Cover*

- (2) Remove horn relay (Fig. 5)

*Fig. 5 Horn Relay*

