



HORNS

CONTENTS

	page		page
GENERAL INFORMATION	1	HORN SWITCH TEST	1
HORN RELAY REPLACEMENT	3	HORN SWITCHES REPLACEMENT	3
HORN RELAY—TEST	1	HORN TEST	1
HORN REPLACEMENT	3	SYSTEM—TEST	1

GENERAL INFORMATION

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

The horn circuit consists of a horn switch, horn relay, and horns. The horn circuit feed is from the fuse to the horn relay in the junction block. When the horn switch is depressed, it completes the ground circuit. Then the horn relay coil closes a set of contacts which allows current to flow to the horns. The horn(s) are grounded to the headlamp ground connection (Fig. 1).

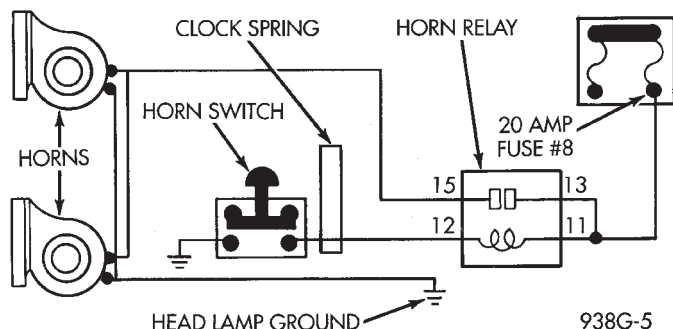


Fig. 1 Horn System

SYSTEM—TEST

If the horns do not sound, check for blown horn fuse junction block. If the fuse is blown, replace it with the same type fuse. If the horns fail to sound and the new fuse blows when depressing the horn switch, a short circuit in the horn or the horn wiring between the fuse terminal and the horn is responsible (Fig. 2).

If the fuse is OK, test horn relay refer to Horn Relay Test.

If the relay is OK, test horns refer to Horn Test.

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

Should the horns sound continuously:

- Unplug the horn relay from junction block.

- Refer to Horn Relay Test.

HORN RELAY—TEST

- (1) Remove horn relay.
- (2) Using ohmmeter, test for continuity between ground and terminal 12 of junction block.

(a) When the horn switch is not depressed, no continuity.

(b) Continuity to ground when horn switch is depressed.

(c) If continuity is not correct repair horn switch or wiring as necessary (refer to Group 8W, Wiring diagrams).

- (3) Using voltmeter, test voltage at:

(a) Terminal 11 and 13 test for battery voltage from fuse F30.

(b) If voltage is incorrect repair as necessary. Refer to Group 8W, Wiring Diagrams.

- (4) Insert a jumper wire between terminals 13 and 15 of the junction block.

(a) If horns sound replace relay.

(b) If the horns do not sound, install horn relay and refer to Horn Test.

HORN TEST

- (1) Disconnect wire connector at horn.
- (2) Using a voltmeter, connect one lead to ground and the other lead to the positive wire terminal (Fig. 3).

(3) Depress the horn switch, battery voltage should be present. Repeat for the other horn.

(4) If no voltage, repair as necessary. If voltage is OK, go to next step.

(5) Using ohmmeter, test ground wire for continuity to ground. Repeat for the other horn.

(6) If no ground repair as necessary.

(7) If wires test OK and horn(s) does not sound, replace horn(s).

HORN SWITCH TEST

(1) Using ohmmeter, connect one lead to ground wire and the other lead to the positive wire (Fig. 4).

(2) Depress horn switch, should have continuity repeat for other switch. If no continuity replace switches.

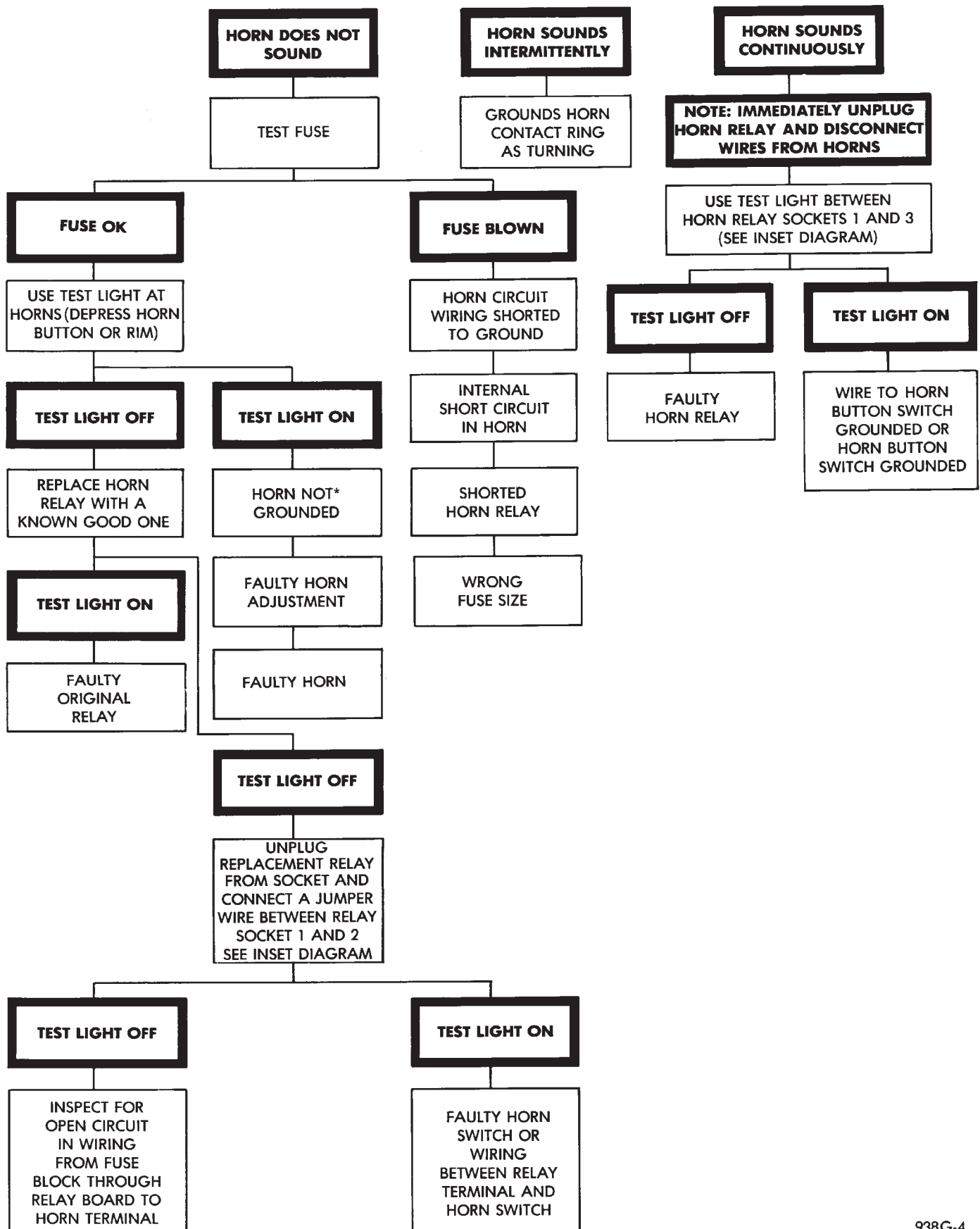
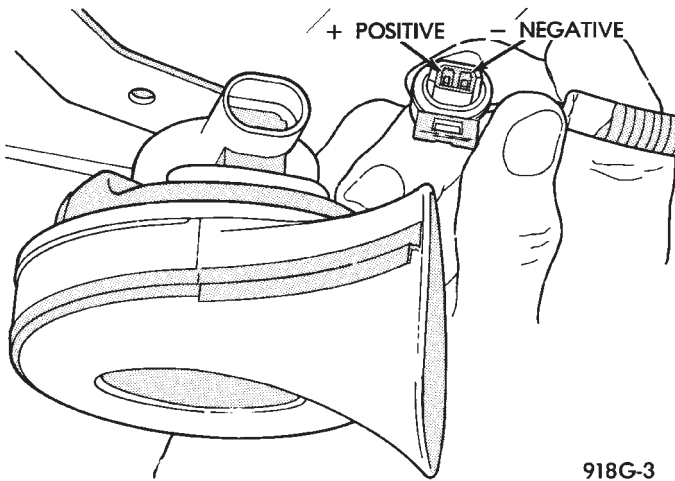
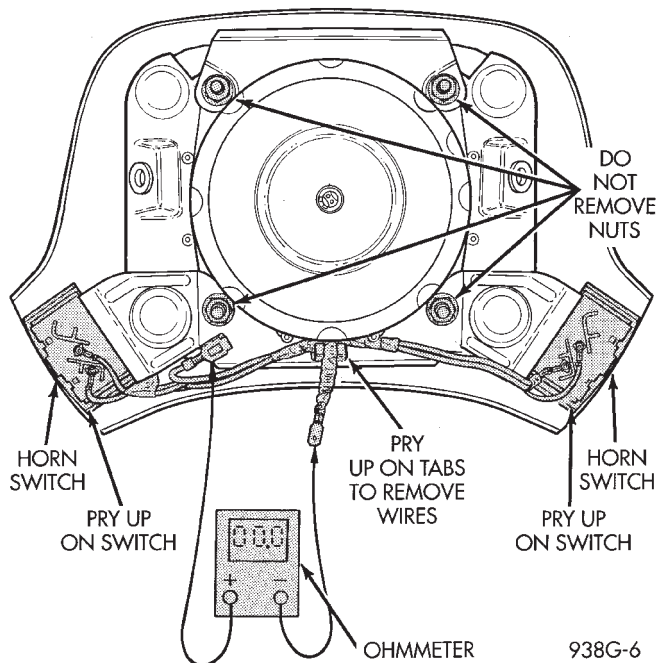


Fig. 2 Horn Diagnosis



918G-3

Fig. 3 Horn and Connector

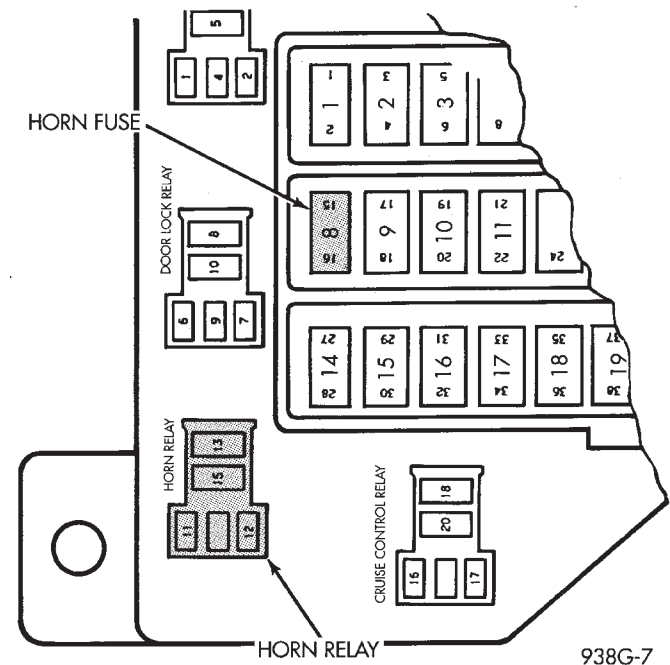
938G-6

Fig. 4 Horn Switch**HORN RELAY REPLACEMENT**

- (1) Open driver's door and remove instrument end cover.
- (2) Remove horn relay (Fig. 5).
- (3) For installation, reverse above procedures.

HORN REPLACEMENT

- (1) Disconnect connector and remove horn mounting bolt.
- (2) For installation, reverse above procedures.



938G-7

Fig. 5 Horn Relay Location**HORN SWITCHES REPLACEMENT**

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

- (1) Disconnect and isolate negative battery cable in engine compartment.
- (2) Remove the two speed control switches or cover plates from the steering wheel.
- (3) Remove the screws that attach the driver air bag module to the steering wheel.
- (4) Lift the module to gain access and disconnect the squib and horn wire.
- (5) Place airbag module on a clean level surface with pad facing upward.
- (6) Push switch locking tab inward and remove switch from module. Repeat for other switch.
- (7) Disconnect the ground wire from the retainer plate on the back side of the module. Bend the two retainer tabs on the bracket to release the horn switch wires.
- (8) For installation, reverse above procedures. Assure that the switch is locked into position. Use caution not to pinch wires.

