

AIR BAG RESTRAINT SYSTEM

DIAGNOSIS & TESTING

* PLEASE READ THIS FIRST *

WARNING: Failure to follow SERVICE PRECAUTIONS may result in air bag deployment and personal injury. See SERVICE PRECAUTIONS. After component replacement, ensure proper system operation. Perform SYSTEM OPERATION CHECK.

WARNING: NEVER use ohmmeter or other self-powered meter to test resistance of air bag inflator/module. Use Special Test Resistor (998-8695) in place of air bag module when testing resistance of any SRS circuit.

RETRIEVING & CLEARING FAULT CODES

NOTE: If SRS warning light does not function properly, go to SRS WARNING LIGHT PROBLEMS.

Retrieving Codes

1) Turn ignition switch to ON position. SRS warning light on instrument panel light bar will remain lit longer than 10 seconds, indicating SRS fault is present. Wait at least 20 seconds to allow SRS to complete its own system self-diagnostics. Locate proper test terminal for vehicle model series. See SRS TEST TERMINAL LOCATION table. See Figs. 10, 11, 12 and 13.

2) Using jumper wire with spade connectors at both ends, connect jumper wire to proper test terminal and touch a ground (such as cigarette lighter housing) for 2-5 seconds, and then remove wire.

3) SRS light will flash ONCE immediately upon removing wire from ground. DO NOT mistake this single flash for a code. SRS light will then begin flashing codes in crash sensor memory. Crash sensor will display all fault codes in its memory only once. See SRS FAULT CODES table. After recording codes, turn ignition off.

Clearing Codes

1) After all repairs have been made and SRS light has been rechecked (see SYSTEM OPERATION CHECK), turn ignition switch to ON position. Locate proper test terminal for vehicle model series. See SRS TEST TERMINAL LOCATION table. See Figs. 10, 11, 12 and 13.

2) Using jumper wire with spade connectors at both ends, connect jumper wire to proper test terminal and touch a ground (such as cigarette lighter housing) for 2-5 seconds.

3) Momentarily remove wire from ground. SRS light will flash once. Quickly reground jumper wire 3 times within 5 seconds.

4) If codes have been properly cleared, SRS light should then go off for 4 seconds, relight for 3 seconds and then go out. SRS codes are now cleared. Perform SYSTEM OPERATION CHECK.



Fig. 10: Locating SRS Test Terminals (1990-91 240 Series)
Courtesy of Volvo Cars of North America