

SYMPTOM SIMULATION

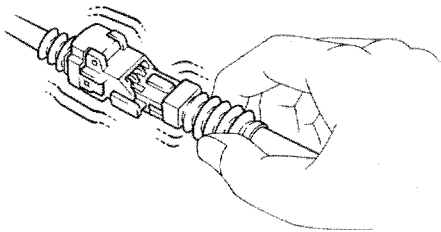
"Intermittent troubles or problems" are the malfunctions about which the customer has a complaint, but which do not occur and cannot be confirmed in the workshop. The intermittent problems also include complaints about the SRS warning light going on and off erratically.

The self-diagnostic system stores the circuit of the intermittent problem in memory even if the ignition switch is turned off.

For accurate diagnosis of the problems, ask the customer to obtain as much information as possible following the customer problem analysis check sheet (See page RS-36), and try to reproduce the intermittent problem. The problem simulation methods described below are the effective ways to reproduce the problem conditions by applying vibration, heat, and humidity.

1

VIBRATION METHOD: When vibration seems to be the major cause.



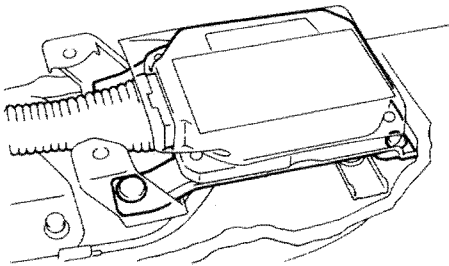
AB0245

CONNECTORS

Slightly shake the connector vertically and horizontally.

Inspection of connectors:

- (a) Does the wire harness connecting with its corresponding part have insufficient slack?
- (b) Are the terminals dirty?
- (c) Are the terminals making loose contact due to terminals spread?



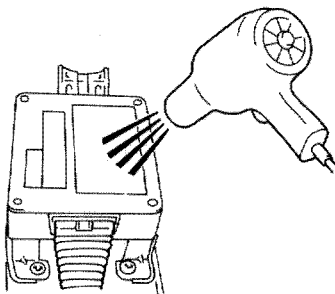
R09170

WIRE HARNESS

Slightly shake the wire harness vertically and horizontally. Thoroughly check the connector joint, the fulcrum of the vibration and the wiring opening in the engine/passenger compartment panel.

2

HEAT METHOD: When the problem seems to occur when the suspect area is heated.

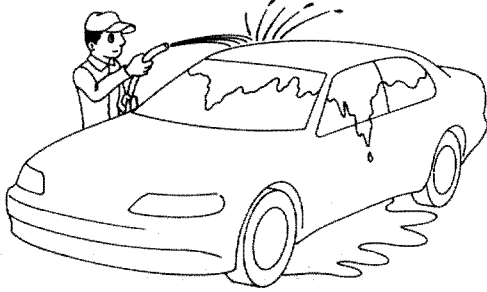


R06854

Heat the component that is likely the cause of the malfunction with a hair dryer or similar object. Check to see if the malfunction will occur.

NOTICE:

- Do not heat to more than 60°C (140°F) (temperature limit that the component can be touched with a hand).
- Do not apply heat directly to any part in the ECU.

3**WATER SPRINKLING METHOD:** When the malfunction seems to occur on a rainy day or high-humidity condition.

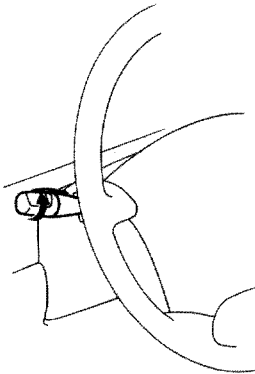
R06855

Sprinkle water onto the vehicle and check to see if the malfunction occur.

NOTICE: Never apply water directly onto the electrical components.

HINT:

- If the vehicle leaks water, the water may contaminate the ECU. When testing a vehicle with a water leakage problem, special caution must be paid.

4**OTHER:** When a malfunction seems to occur when electrical load is excessive.

AB0234

Turn on all electrical loads including the heater blower, headlights, rear window defogger, etc. and check to see if the malfunction will occur