

# B1090, B1091, B1092, B1093 DIAGNOSIS SENSOR UNIT

## Description

Checks the entire SRS and displays the malfunction either by illuminating or blinking the air bag warning lamp on the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and CONSULT-III.

## OPERATION

It detects a shock that exceeds a specified level and monitors whether the driver and passenger air bags, front side air bag, side curtain air bag and pre-tensioner seat belts operate normally.

## STRUCTURE

It contains the "G" sensors for both frontal and side collisions and spare battery function in case of main battery damage in collision.

## INSTALLATION

Air bag diagnosis sensor unit is installed under the center console with fixed bolts.

## DTC DETECTION LOGIC

DTC	Display item	Malfunction detected condition	Possible cause
B1090 B1091 B1092 B1093	CONTROL UNIT	Air bag diagnosis sensor unit is malfunctioning or out of the specification	<ul style="list-style-type: none"> <li>Malfunction in air bag diagnosis sensor unit</li> <li>Configuration in air bag diagnosis sensor unit does not match the vehicles specification</li> </ul>

## DTC CONFIRMATION PROCEDURE

- 1).CHECK SELF-DIAG RESULT
  - A).Turn ignition switch ON.
  - B).Perform "AIR BAG" Self Diagnostic Result.
  - C).Check the air bag warning lamp status.
  - D).Is malfunctioning part detected?
    - YES >> Refer to SRC-90, "Diagnosis Procedure".
    - NO >> INSPECTION END.

## Diagnosis Procedure

- 1).CHECK HARNESS CONNECTOR
  - A).Check the connection of harness connector.
  - B).Is the inspection result normal?
    - YES >> GO TO 2.
    - NO >> Repair or replace harness connectors.
  
- 2).CHECK WIRING HARNESS
  - A).Check the wiring harness externals.
  - B).Is the inspection result normal?
    - YES >> GO TO 3.
    - NO >> Repair or replace wiring harness.
  
- 3).REPLACE AIR BAG DIAGNOSIS SENSOR UNIT
  - A).Replace air bag diagnosis sensor unit.
  - B).Perform DTC confirmation procedure.
  - C).Is DTC detected?
    - YES >> GO TO 1.
    - NO >> INSPECTION END