

# B1042, B1043, B1044, B1045, B1046, B1047 DIAGNOSIS SENSOR UNIT

## Description

Detects the whole SRS electrical system and displays the malfunction either by illuminating or blinking the air bag warning lamp in the combination meter. Malfunctioning part can be detected by on board self-diagnosis system and electro-diagnosis tester CONSULT-III.

## OPERATION

It detects a shock that exceeds specified level and monitors such systems as the driver and passenger air bag, side air bag, curtain air bag, pre-tensioner seat belts and Occupant Classification System (OCS) operate properly.

## STRUCTURE

It contains the "G" sensors for both for 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
B1042 B1043 B1044 B1045 B1046 B1047	CONTROL UNIT	Air bag diagnosis sensor unit is out of order or mis-match	<ul style="list-style-type: none"> <li>• Internal breakdown in air bag diagnosis sensor unit</li> <li>• Mis-match between specification on vehicle and configuration in air bag diagnosis sensor unit</li> </ul>

## DTC CONFIRMATION PROCEDURE

### 1).INSPECTION START

Turn ignition switch ON.

### 2).CHECK SELF-DIAG RESULT

A).Check the screen of CONSULT-III.

B).Is malfunctioning part detected?

YES >> Refer to SRC-47, "Diagnosis Procedure".

NO >> INSPECTION END.

### 3).INSPECTION START

Turn ignition switch ON.

### 4).CHECK AIR BAG WARNING LAMP

A).Check the air bag warning lamp status.

B).Is malfunctioning part detected?

YES >> Refer to warning lamp flash code chart.

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).CHECK OCCUPANT DETECTION SYSTEM CONTROL UNIT

A). Replace seat cushion frame.

B). Perform DTC confirmation procedure..

C).Is DTC detected?

YES >> GO TO 4.

NO >> INSPECTION END