

# B1080, B1096 DRIVER AIRBAG MODULE

## Description

For driver air bag module, crash is judged by main "G" sensor output signal and safing algorithm in front direction.

## OPERATION

In case of frontal collision whose acceleration exceeds the specified level, the ignition materials are ignited by electric ignition system. The system burns the gas generating materials resulting in a chemical reaction. This generates hot gases that flow into the air bag through a filter and expand the bag.

## STRUCTURE

Driver air bag module mainly consists of air bag and inflator that inflates air bag.

## INSTALLATION

Driver air bag module is installed on the center of steering wheel with fixed bolts.

## DTC DETECTION LOGIC

DTC	Display item	Malfunction detected condition	Possible cause
B1080 B1096	DRIVER AIRBAG MODULE [SHORT]	Driver air bag module circuit are shorted to each other (including the spiral cable)	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness and short</li> <li>• Malfunction in driver air bag module</li> <li>• Malfunction in spiral cable</li> <li>• Malfunction in air bag diagnosis sensor unit</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-72, "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 wiring harness.
- 3).CHECK SPIRAL CABLE CIRCUIT
  - A).Turn ignition switch OFF.
  - B).Disconnect driver air bag module harness connector and Combination switch (Spiral cable) harness connector.
  - C).Check continuity between driver side air bag module harness connector and body side harness connector.
  - D).Check continuity between driver air bag module harness connector and ground.
  - E).Is the inspection result normal?
    - YES >> GO TO 4.
    - NO >> Replace spiral cable.
- 4).REPLACE DRIVER AIR BAG MODULE
  - A).Replace driver air bag module.
  - B).Perform DTC confirmation procedure.
  - C).Is DTC detected?
    - YES >> GO TO 5.
    - NO >> INSPECTION END

5).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