

# B1022 OCCUPANT SENS C/U

## Description

Suppresses the deployment of front passenger air bag when the condition of passenger seat is empty or child and child-seat. And turns on front passenger air bag OFF indicator (Cut-off telltale) lamp when the condition of passenger seat is child-seat and child. In case of malfunction the blinking of the air bag warning lamp report the malfunction to driver and by the on board self-diagnosis system or electro-diagnosis tester CONSULT-III can detect the cause.

## OPERATION

This unit classifies occupant in passenger seat and detects electrical malfunction in Occupant Classification System (OCS) and transmits malfunction information to air bag control unit.

## STRUCTURE

It is integrated into the seat sensor mat and detects the occupants and Occupant Classification System (OCS) control unit that classifies the occupants.

## INSTALLATION

Occupant Classification System (OCS) control unit is installed in the passenger seat cushion.

## DTC DETECTION LOGIC

DTC	Display item	Malfunction detected condition	Possible cause
B1022	OCCUPANT SENS C/U [COMM FAIL]	Trouble occurs in OCS-C/U, circuit of OCS-C/U-ACU or ACU	<ul style="list-style-type: none"> <li>• Disconnection of wiring harness</li> <li>• Internal breakdown in occupant classification system control unit</li> <li>• Internal breakdown 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-33, "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 AIR BAG DIAGNOSIS SENSOR UNIT

A).Replace air bag diagnosis sensor unit.

B).Check the screen of CONSULT-III.

C).Is the inspection result normal?

YES >> INSPECTION END.

NO >> Check the intermittent incident. Refer