B1212, B1213, B1214 RH1 SAT-SENS

Description

Main "G" sensor generates signal voltage, when it detects deceleration beyond the specified level by vehicle side collision.

OPERATION

When air bag diagnosis sensor unit judges both signal voltage of the "G" sensor and the Safing algorithm to be that of collision which exceeds specified level, the driving circuit switches on and feeds the electric ignitor of both the front side air bag and side curtain air bag.

STRUCTURE

Integrated type of the "G" sensor element for side collision with output terminals for signal voltage.

INSTALLATION

RH satellite sensor is installed at the underside of center pillar with fixed nuts.

DTC DETECTION LOGIC

DTC	Display item	Malfunction detected condition	Possible cause
B1212 B1213 B1214	RH1 SAT-SENS	RH satellite sensor is malfunctioning	• Disconnection of wiring harness • Malfunction in RH satellite sensor • Malfunction in air bag diagnosis sensor unit

DTC CONFIRMATION PROCEDURE

1).CHECK SELF-DIAG RESULT
    A).Turn ignition switch ON.
    B).Perform "AIR BAG" Self Diagnostic Result.
    C).Turn ignition switch ON.
    D).Check the air bag warning lamp status.
    E).Is malfunctioning part detected?
        YES >> Refer to SRC-136, "Diagnosis Procedure".
        NO >> INSPECTION END

Diagnosis Procedure

1).CHECK HARNESS CONNECTOR
    A).Check the harness connector.
    B).Is the inspection result normal?
        YES >> GO TO 2.
        NO >> Replace harness connector.

2).CHECK WIRING HARNESS
    A).Check the wiring harness externals.
    B).Is the inspection result normal?
        YES >> GO TO 3.
        NO >> Replace wiring harness.

3).REPLACE SATELLITE SENSOR
    A).Replace RH satellite sensor.
    B).Perform DTC confirmation procedure.
    C).Is DTC detected?
        YES >> GO TO 4.
        NO >> INSPECTION END

4).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