

# OCCUPANT DETECTION SYSTEM (DIAGNOSTICS) > Diagnostic Procedure with Diagnostic Trouble Code (DTC) DTC B1760 SENSOR MAT ABNORMAL

## Diagnosis start condition:

When the ignition voltage is 8 V – 16 V = 14.1 Volts running,

## DTC DETECTING CONDITION:

- Occupant detection sensor is faulty.
- Occupant detection sensor circuit is open, shorted between terminals, shorted to power supply or shorted to ground.
- Seat heater circuit is open.
- Occupant detection control module is faulty.

### 1. CHECK AIRBAG WARNING LIGHT.


Check whether or not the airbag warning light illuminate.

Does it illuminate? *Yes*

 Yes

 No

 Go to 2.

Read the DTC, and if DTC B1760 is recorded as a past malfunction,  Go to 3.

### 2. CHECK STATUS OF PASSENGER'S SEAT.

Check if the passenger's seat cushion is wet.

Is it wet?

Yes

Go to 3.

No

Go to 4.

### 3. DRY PASSENGER'S SEAT.

Dry the passenger's seat well naturally.

Is it dry?

Yes

Go to 4.

No


After drying well,  Go to 4.

#### 4. CHECK DTC.

Read the DTC of the occupant detection system.  Ref. to OCCUPANT DETECTION SYSTEM (DIAGNOSTICS) > Read Diagnostic Trouble Code (DTC).

Is DTC B1760 (current malfunction) displayed again? = **NO**

Yes

When DTC B1760 is displayed,  Go to 5.

No


Clear the memory.  Ref. to OCCUPANT DETECTION SYSTEM (DIAGNOSTICS) > Clear Memory Mode.

#### 5. CHECK POOR CONTACT OF CONNECTORS.


Check for poor contact of connectors between the occupant detection control module and the occupant detection sensor.

Is there poor contact of connector?

Yes

When the connector is not fully connected, reconnect the connector correctly. Replace the faulty harness if the connector is faulty. (Replace the occupant detection harness or replace the occupant detection system (passenger's & frame assembly)).  Ref. to SEATS > Front Seat > DISASSEMBLY > PASSENGER'S SEAT.

No

Replace the occupant detection system (passenger's & frame assembly).  Ref. to SEATS > Front Seat > DISASSEMBLY > PASSENGER'S SEAT.