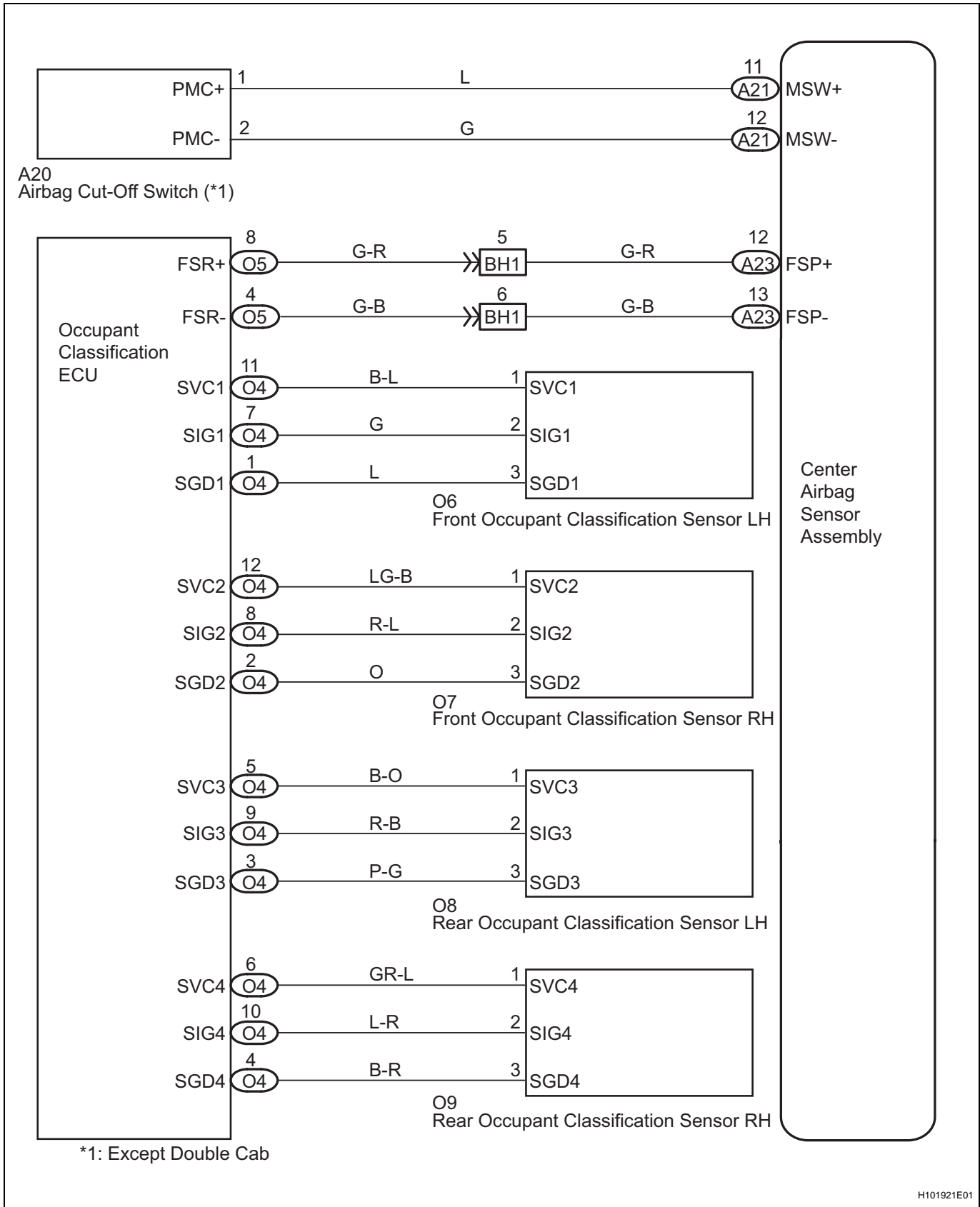


## Trouble in Passenger Airbag ON / OFF Indicator

### DESCRIPTION

The passenger airbag ON/OFF indicator consists of the center airbag sensor assembly, occupant classification ECU, hazard warning switch assembly, and 4 occupant classification sensors. This system controls the passenger airbag deployment according to the occupancy condition of the front passenger seat, and also displays those detected conditions.

**WIRING DIAGRAM**



**RS**

**CAUTION:**

**In order to prevent unexpected airbag deployment, disconnect the following connectors before inspecting parts such as wire harnesses, if the application of tester probes to the center airbag sensor assembly connector is necessary.**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the center airbag sensor assembly.
- (d) Disconnect the connectors from the steering pad assembly.
- (e) Disconnect the connector from the front passenger airbag assembly.
- (f) Disconnect the connector from the front seat outer belt assembly LH.
- (g) Disconnect the connector from the front seat outer belt assembly RH.

**HINT:**

Skip the following steps if side and curtain shield airbags are not fitted.

- (h) Disconnect the connector from the front seat airbag assembly LH.
- (i) Disconnect the connector from the front seat airbag assembly RH.
- (j) Disconnect the connector from the curtain shield airbag assembly LH.
- (k) Disconnect the connector from the curtain shield airbag assembly RH.

**1 CHECK PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result:  
Double cab**

Front Seat Passenger	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	ON	OFF	OFF
Child seated / Child restrain system set	OFF	ON	OFF
Vacant	OFF	OFF	OFF

**Except double cab**

Front Seat Passenger	Airbag Cut-Off Switch Position	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	AUTO	ON	OFF	OFF
Adult seated	OFF	OFF	ON	OFF
Child seated / Child restrain system set	AUTO	OFF	ON	OFF
Child seated / Child restrain system set	OFF	OFF	ON	OFF
Vacant	AUTO	OFF	OFF	OFF
Vacant	OFF	OFF	ON	OFF
Passenger occupant classification system failure	AUTO	OFF	ON	ON
Passenger occupant classification system failure	OFF	OFF	ON	ON

**OK** → **USE SIMULATION METHOD TO CHECK**

**NG**

**2 CHECK DTC**

- (a) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (b) Check for DTCs (See page [RS-365](#)).

**OK:**  
**DTC is not output.**

**NG** → **GO TO DTC CHART**

**OK**

**3 CHECK VEHICLE TYPE**

- (a) Proceed to the appropriate step according to the seat type.

**Result**

Vehicle Type	Proceed to
Double cab	A
Except Double Cab	B

**B** → **Go to step 14**

**A**

**4 CHECK PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result**

Front Seat Passenger	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	ON	OFF	OFF
Child seated / Child restrain system set	OFF	ON	OFF
Vacant	OFF	OFF	OFF

**OK** → **USE SIMULATION METHOD TO CHECK**

**NG**

**5 CHECK CONNECTION OF CONNECTORS**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Check that the connectors are properly connected to the center airbag sensor assembly, occupant classification ECU, and 4 occupant classification sensors.

**OK:**

The connectors are connected.

**NG**

**CONNECT CONNECTORS**

**OK**

**6 CHECK CONNECTORS**

- (a) Check that the connectors (on the center airbag sensor assembly side, occupant classification ECU side and 4 occupant classification sensors side) are not damaged (See page [IN-34](#)).

**OK:**

The connectors are not deformed or damaged.

**NG**

**REPAIR OR REPLACE WIRE HARNESS**

**OK**

**7 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page [RS-357](#)).

**OK:**

COMPLETED is displayed on the tester.

**NG**

**Go to step 10**

**OK**

**8 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page [RS-357](#)).

**Standard value:**

27 to 33 kg (59.52 to 72.75 lb)

**NG**

**Go to step 10**

**OK**

**9 CHECK PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result**

Front Seat Passenger	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	ON	OFF	OFF
Child seated / Child restrain system set	OFF	ON	OFF
Vacant	OFF	OFF	OFF

**OK** → **END**

**NG**

**10 REPAIR FRONT SEAT ASSEMBLY (PASSENGER SEAT)**

- (a) Loosen the 4 installation bolts fixing the front passenger seat, and then re-tighten them to the specified torque.  
**Torque:**  
**37 N\*m (375 kgf\*cm, 27 ft.\*lbf)**

**NEXT**

**11 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
  - (b) Connect the intelligent tester to the DLC3.
  - (c) Turn the ignition switch to the ON position.
  - (d) Using the intelligent tester, perform the zero point calibration (See page [RS-357](#)).
- OK:**  
**COMPLETED is displayed on the tester.**

**NG** → **Go to step 31**

**OK**

**12 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page [RS-357](#)).  
**Standard value:**  
**27 to 33 kg (59.52 to 72.75 lb)**

**NG** **Go to step 31**

**OK**

**13 PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result**

Front Seat Passenger	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	ON	OFF	OFF
Child seated / Child restrain system set	OFF	ON	OFF
Vacant	OFF	OFF	OFF

**NG** **Go to step 31**

**OK**

**END**

**14 CHECK PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result**

Front Seat Passenger	Passenger Airbag Manual ON/OFF Switch Position	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	AUTO	ON	OFF	OFF
Adult seated	OFF	OFF	ON	OFF
Child seated / Child restrain system set	AUTO	OFF	ON	OFF
Child seated / Child restrain system set	OFF	OFF	ON	OFF
Vacant	AUTO	OFF	OFF	OFF
Vacant	OFF	OFF	ON	OFF

**OK** **Go to step 22**

NG

**15 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page RS-357).

**OK:**  
**COMPLETED is displayed on the tester.**

NEXT

**16 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page RS-357).

**Standard value:**  
**27 to 33 kg (59.52 to 72.75 lb)**

NEXT

**17 CHECK PASSENGER AIRBAG ON/OFF INDICATOR OPERATION**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result**

Front Seat Passenger	Passenger Airbag Manual ON/OFF Switch Position	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	AUTO	ON	OFF	OFF
Adult seated	OFF	OFF	ON	OFF
Child seated / Child restrain system set	AUTO	OFF	ON	OFF
Child seated / Child restrain system set	OFF	OFF	ON	OFF
Vacant	AUTO	OFF	OFF	OFF
Vacant	OFF	OFF	ON	OFF

OK

END

NG



**18 REPAIR FRONT SEAT ASSEMBLY (PASSENGER SEAT)**

- (a) Loosen the 4 installation bolts fixing the front passenger seat, and then re-tighten them to the specified torque.

**Torque:**

**37 N\*m (375 kgf\*cm, 27 ft.\*lbf)**

**NEXT**

**19 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page [RS-357](#)).

**OK:**

**COMPLETED is displayed on the tester.**

**NG**

**Go to step 22**

**OK**

**20 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page [RS-357](#)).

**NG**

**Go to step 22**

**OK**

**21 PASSENGER AIRBAG ON/OFF INDICATOR**

- (a) Turn the ignition switch to the ON position.
- (b) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
- (c) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**RS**

**Result**

Front Seat Passenger	Passenger Airbag Manual ON/OFF Switch Position	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	AUTO	ON	OFF	OFF
Adult seated	OFF	OFF	ON	OFF
Child seated / Child restrain system set	AUTO	OFF	ON	OFF
Child seated / Child restrain system set	OFF	OFF	ON	OFF

Front Seat Passenger	Passenger Airbag Manual ON/OFF Switch Position	ON Indicator	OFF Indicator	SRS Warning Light
Vacant	AUTO	OFF	OFF	OFF
Vacant	OFF	OFF	ON	OFF

OK

END

NG

22

## CHECK CONNECTION OF CONNECTORS

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Check that the connectors are properly connected to the center airbag sensor assembly and airbag cut-off switch.

OK:

The connectors are connected.

NG

CONNECT CONNECTORS

OK

23

## CHECK CONNECTORS

- Check that the connectors (on the center airbag sensor assembly side and airbag cut-off switch side) are not damaged (See page [IN-34](#)).

OK:

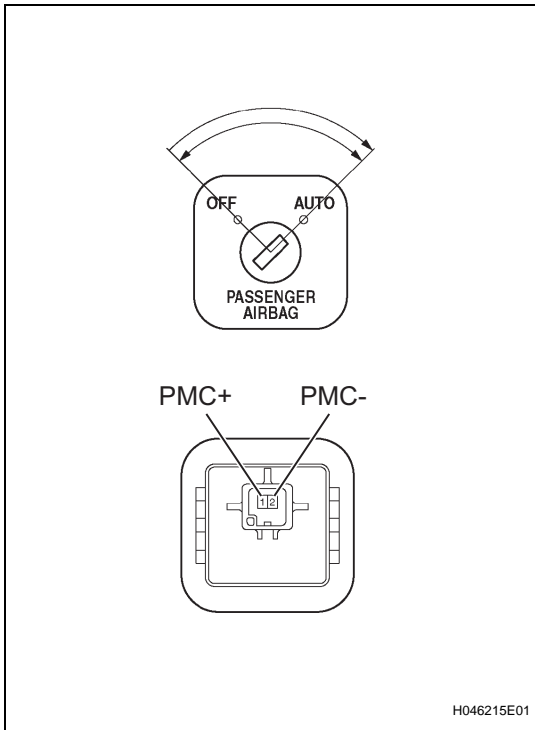
The connectors are not deformed or damaged.

NG

REPAIR OR REPLACE WIRE HARNESS

OK

**24 INSPECT AIRBAG CUT-OFF SWITCH**



H046215E01

- (a) Disconnect the A20 airbag cut-off switch connector.
- (b) Check the resistance.

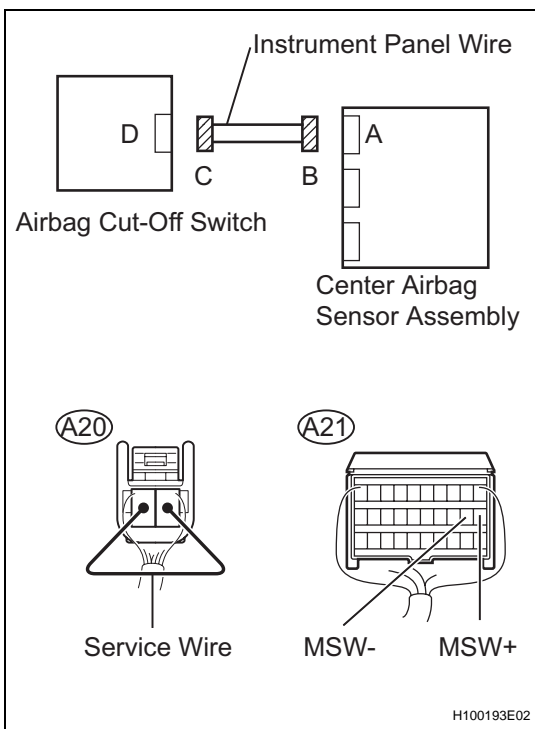
**Standard resistance**

Switch Connection	Tester Condition	Specified Condition
OFF	1 (PMC+) - 2 (PMC-)	80 to 120Ω
ON	1 (PMC+) - 2 (PMC-)	320 to 480Ω

**NG** → **REPLACE AIRBAG CUT-OFF SWITCH**

**OK**

**25 CHECK INSTRUMENT PANEL WIRE (FOR OPEN)**



H100193E02

- (a) Disconnect the instrument panel wire connector from the airbag cut-off switch.
- (b) Using a service wire, connect A20-1 (PMC+) and A20-2 (PMC-) of connector C.

**NOTICE:**  
Do not forcibly insert the service wire into the terminals of the connector when connecting.

- (c) Measure the resistance.

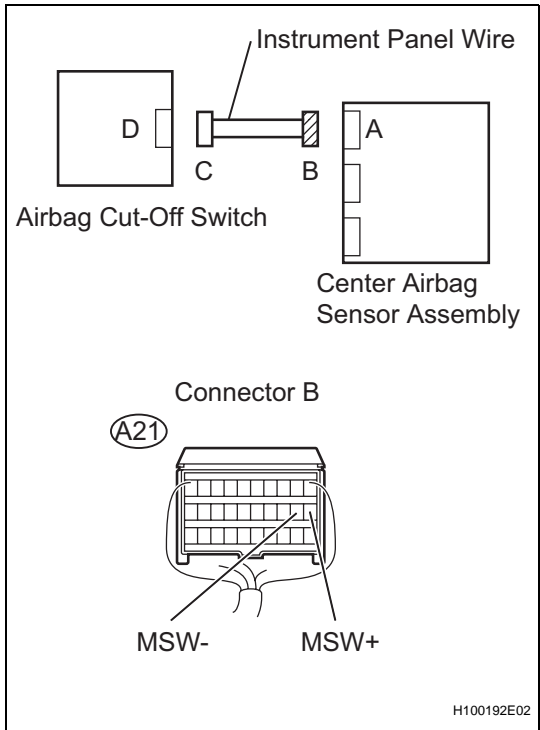
**Standard resistance**

Tester Connection	Condition	Specified Condition
A21-11 (MSW+) - A21-12 (MSW-)	Always	Below 1Ω

**NG** → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

**OK**

**26 CHECK INSTRUMENT PANEL WIRE (FOR SHORT)**



- (a) Disconnect the service wire from connector E.
- (b) Measure the resistance.

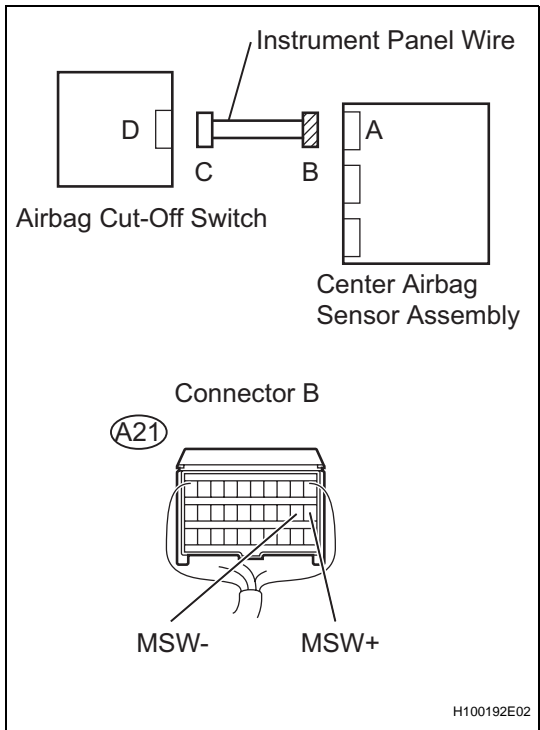
**Standard resistance**

Tester Connection	Condition	Specified Condition
A21-11 (MSW+) - A21-12 (MSW-)	Always	1 MΩ Higher

**NG** REPAIR OR REPLACE INSTRUMENT PANEL WIRE

**OK**

**27 CHECK INSTRUMENT PANEL WIRE (TO GROUND)**



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Measure the resistance.

**Standard resistance**

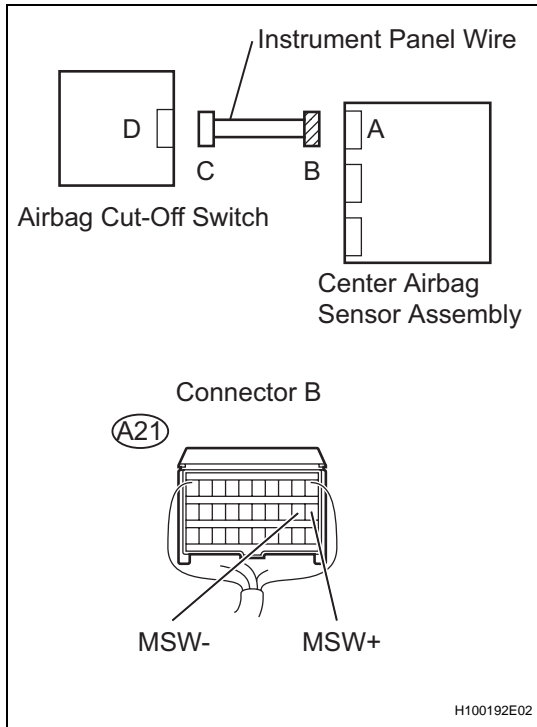
Tester Connection	Condition	Specified Condition
A21-11 (MSW+) - Body ground	Always	1 MΩ Higher
A21-12 (MSW-) - Body ground	Always	1 MΩ Higher

**NG** REPAIR OR REPLACE INSTRUMENT PANEL WIRE

**OK**

**RS**

**28 CHECK INSTRUMENT PANEL WIRE (TO B+)**



- (a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage.

**Standard voltage**

Tester Connection	Condition	Specified Condition
A21-11 (MSW+) - Body ground	Ignition switch ON	Below 1 V
A21-12 (MSW-) - Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

**29 CHECK CONNECTION OF CONNECTORS**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Check that the connectors are properly connected to the occupant classification ECU and 4 occupant classification sensors.

**OK:**

The connectors are connected.

**NG** CONNECT CONNECTORS

OK

RS

**30 CHECK CONNECTORS**

- (a) Check that the connectors (on the occupant classification ECU side and 4 occupant classification sensors side) are not damaged (See page IN-34).

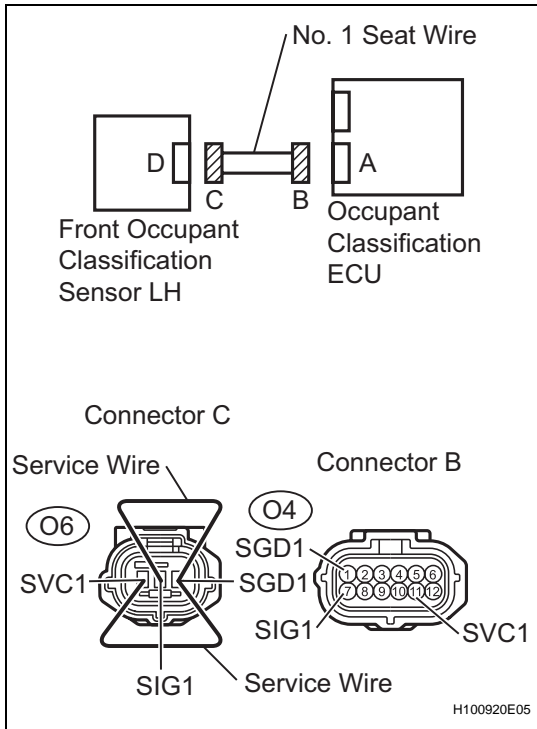
**OK:**

The connectors are not deformed or damaged.

**NG** REPAIR OR REPLACE WIRE HARNESS

OK

**31 CHECK NO. 1 SEAT WIRE (OCCUPANT CLASSIFICATION SENSOR FRONT LH CIRCUIT)**



- (a) Disconnect the connectors from the occupant classification ECU and the occupant classification sensor front LH.
- (b) Using service wires, connect O6-1 (SVC1) and O6-3 (SGD1), and connect O6-2 (SIG1) and O6-3 (SGD1) of connector C.

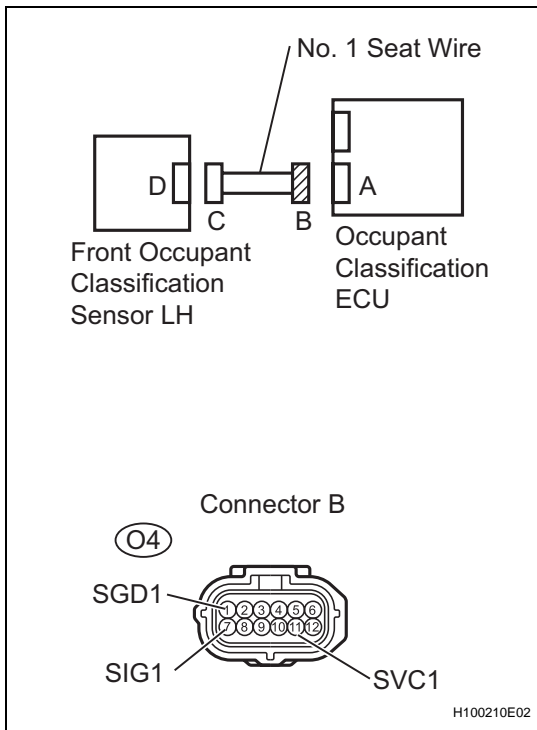
**NOTICE:**

**Do not forcibly insert the service wires into the terminals of the connector when connecting.**

- (c) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-7 (SIG1) - O4-1 (SGD1)	Always	Below 1 Ω
O4-11 (SVC1) - O4-1 (SGD1)	Always	Below 1 Ω



- (d) Disconnect the service wires from connector C.
- (e) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-7 (SIG1) - O4-1 (SGD1))	Always	1MΩ or Higher
O4-11 (SVC1) - O4-1 (SGD1)	Always	1MΩ or Higher
O4-7 (SIG1) - O4-11 (SVC1)	Always	1MΩ or Higher
O4-1 (SGD1) - Body ground	Always	1MΩ or Higher
O4-7 (SIG1) - Body ground	Always	1MΩ or Higher
O4-11 (SVC1) - Body ground	Always	1MΩ or Higher

- (f) Connect the negative (-) terminal cable to the battery.
- (g) Turn the ignition switch to the ON position.
- (h) Measure the voltage.

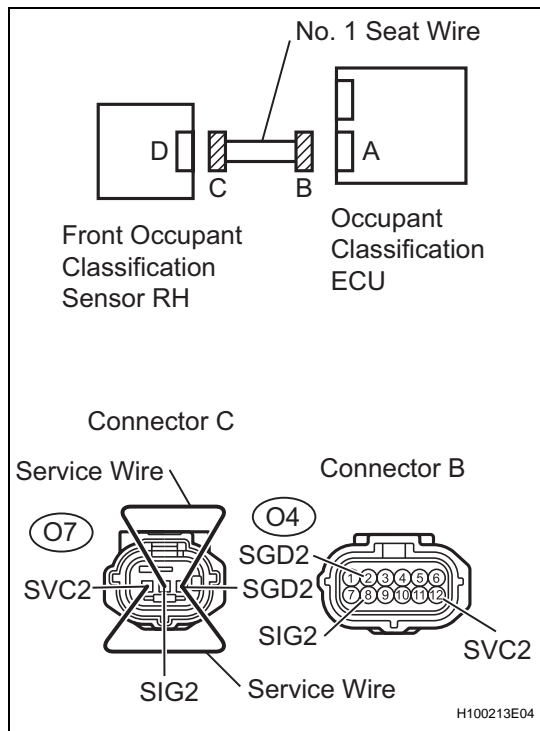
**Standard voltage**

Tester Connection	Condition	Specified Condition
O4-1 (SGD1) - Body ground	Ignition switch ON	Below 1 V
O4-7 (SIG1) - Body ground	Ignition switch ON	Below 1 V
O4-11 (SVC1) - Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE NO. 1 SEAT WIRE

**OK**

**32 CHECK NO. 1 SEAT WIRE (OCCUPANT CLASSIFICATION SENSOR FRONT RH CIRCUIT)**



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the occupant classification ECU and the occupant classification sensor front RH.
- (d) Using service wires, connect O7-1 (SVC2) and O7-3 (SGD2), and connect O7-2 (SIG2) and O7-3 (SGD2) of connector C.

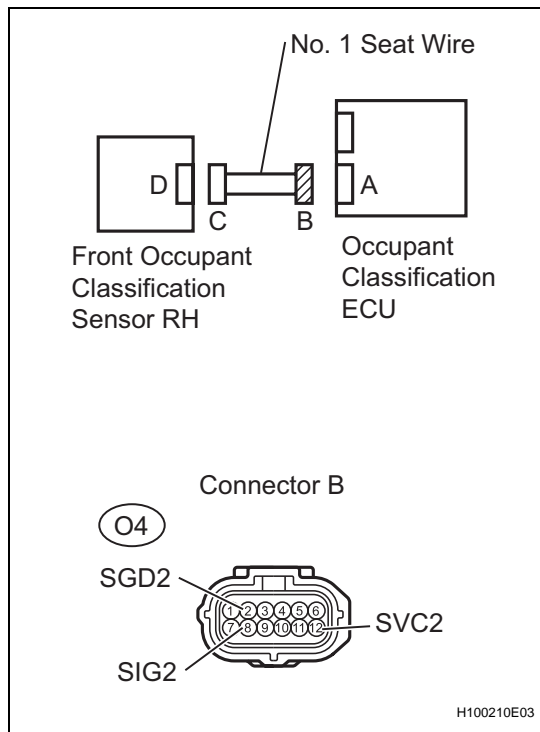
**NOTICE:**

**Do not forcibly insert the service wires into the terminals of the connector when connecting.**

- (e) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-8 (SIG2) - O4-2 (SGD2)	Always	Below 1 Ω
O4-12 (SVC2) - O4-2 (SGD2)	Always	Below 1 Ω



- (f) Disconnect the service wires from connector C.
- (g) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-8 (SIG2) - O4-2 (SGD2)	Always	1MΩ or Higher
O4-12 (SVC2) - O4-2 (SGD2)	Always	1MΩ or Higher
O4-8 (SIG2) - O4-12 (SVC2)	Always	1MΩ or Higher
O4-2 (SGD2) - Body ground	Always	1MΩ or Higher
O4-8 (SIG2) - Body ground	Always	1MΩ or Higher
O4-12 (SVC2) - Body ground	Always	1MΩ or Higher

- (h) Connect the negative (-) terminal cable to the battery.
- (i) Turn the ignition switch to the ON position.
- (j) Measure the voltage.

**Standard voltage**

Tester Connection	Condition	Specified Condition
O4-2 (SGD2) - Body ground	Ignition switch ON	Below 1 V
O4-8 (SIG2) - Body ground	Ignition switch ON	Below 1 V

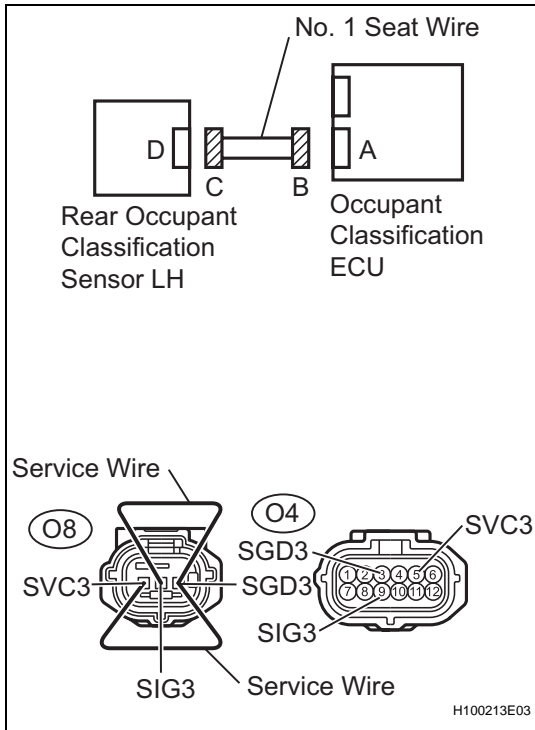
**RS**

Tester Connection	Condition	Specified Condition
O4-12 (SVC2) - Body ground	Ignition switch ON	Below 1 V

**NG** **REPAIR OR REPLACE NO. 1 SEAT WIRE**

**OK**

**33 CHECK NO. 1 SEAT WIRE (OCCUPANT CLASSIFICATION SENSOR REAR LH CIRCUIT)**



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the occupant classification ECU and the occupant classification sensor rear LH.
- (d) Using service wires, connect O8-1 (SVC3) and O8-3 (SGD3), and connect O8-2 (SIG3) and O8-3 (SGD3) of connector C.

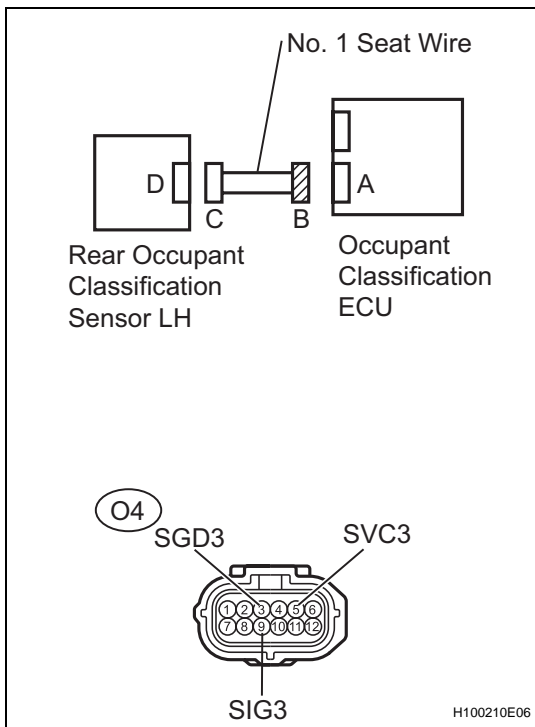
**NOTICE:**

**Do not forcibly insert the service wires into the terminals of the connector when connecting.**

- (e) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-5 (SVC3) - O4-3 (SGD3)	Always	Below 1 Ω
O4-9 (SIG3) - O4-3 (SGD3)	Always	Below 1 Ω



- (f) Disconnect the service wires from connector C.
- (g) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-5 (SVC3) - O4-3 (SGD3)	Always	1MΩ or Higher
O4-9 (SIG3) - O4-3 (SGD3)	Always	1MΩ or Higher
O4-5 (SVC3) - O4-9 (SIG3)	Always	1MΩ or Higher
O4-3 (SGD3) - Body ground	Always	1MΩ or Higher
O4-5 (SVC3) - Body ground	Always	1MΩ or Higher
O4-9 (SIG3) - Body ground	Always	1MΩ or Higher

- (h) Connect the negative (-) terminal cable to the battery.
- (i) Turn the ignition switch to the ON position.
- (j) Measure the voltage.



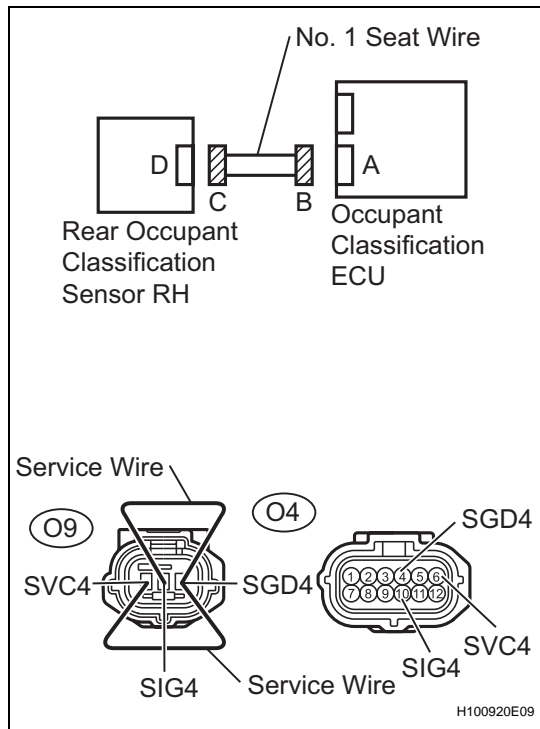
Standard voltage

Tester Connection	Condition	Specified Condition
O4-3 (SGD3) - Body ground	Ignition switch ON	Below 1 V
O4-5 (SVC3) - Body ground	Ignition switch ON	Below 1 V
O4-9 (SIG3) - Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE NO. 1 SEAT WIRE

**OK**

**34 CHECK NO. 1 SEAT WIRE (OCCUPANT CLASSIFICATION SENSOR REAR RH CIRCUIT)**



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the occupant classification ECU and the occupant classification sensor rear LH.
- Using service wires, connect O9-1 (SVC4) and O9-3 (SGD4), and connect O9-2 (SIG4) and O9-3 (SGD4) of connector C.

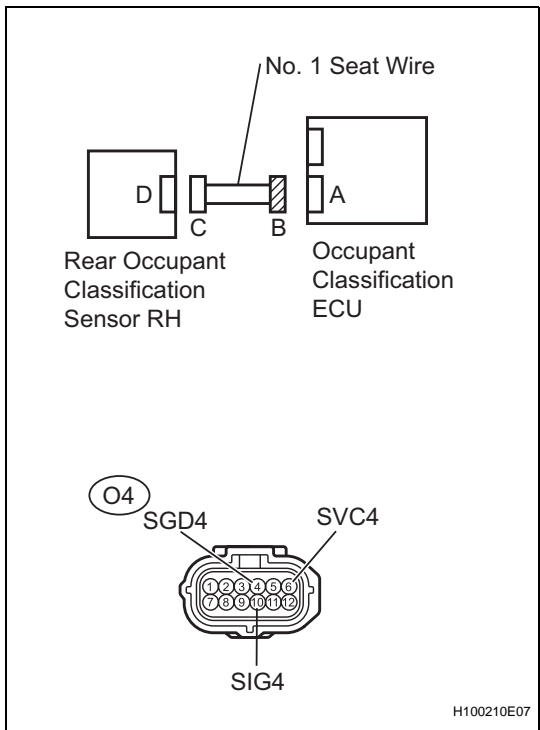
**NOTICE:**

**Do not forcibly insert the service wires into the terminals of the connector when connecting.**

- Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-6 (SVC4) - O4-4 (SGD4)	Always	Below 1 Ω
O4-10 (SIG4) - O4-4 (SGD4)	Always	Below 1 Ω



- (f) Disconnect the service wires from connector C.
- (g) Measure the resistance.

**Standard resistance**

Tester Connection	Condition	Specified Condition
O4-6 (SVC4) - O4-4 (SGD4)	Always	1MΩ or Higher
O4-10 (SIG4) - O4-4 (SGD4)	Always	1MΩ or Higher
O4-6 (SVC4) - O4-10 (SIG4)	Always	1MΩ or Higher
O4-4 (SGD4) - Body ground	Always	1MΩ or Higher
O4-6 (SVC4) - Body ground	Always	1MΩ or Higher
O4-10 (SIG4) - Body ground	Always	1MΩ or Higher

- (h) Connect the negative (-) terminal cable to the battery.
- (i) Turn the ignition switch to the ON position.
- (j) Measure the voltage.

**Standard voltage**

Tester Connection	Condition	Specified Condition
O4-4 (SGD4) - Body ground	Ignition switch ON	Below 1 V
O4-6 (SVC4) - Body ground	Ignition switch ON	Below 1 V
O4-10 (SIG4) - Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE NO. 1 SEAT WIRE

**OK**

**35 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page RS-357).

**OK:**  
**COMPLETED is displayed on the tester.**

**NEXT**

**36 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page RS-357).

**Standard value:**  
**27 to 33 kg (59.52 to 72.75 lb)**

**NEXT**

**37 CHECK CENTER AIRBAG SENSOR ASSEMBLY**

- (a) Turn the ignition switch to the LOCK position.
  - (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
  - (c) Replace the center airbag sensor assembly (See page [RS-602](#)).
- HINT:  
Perform the inspection using parts from a normal vehicle when possible.
- (d) Connect the connectors to the center airbag sensor assembly.
  - (e) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
  - (f) Turn the ignition switch to the ON position.
  - (g) The passenger airbag ON/OFF indicator (ON and OFF) comes on for approximately 4 seconds, then turns off for approximately 2 seconds.
  - (h) Approximately 6 seconds after the ignition switch is turned to the ON position, the passenger airbag ON/OFF indicator indicates ON/OFF according to the condition listed below.

**Result:**  
**Double cab**

Front Seat Passenger	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	ON	OFF	OFF
Child seated / Child restrain system set	OFF	ON	OFF
Vacant	OFF	OFF	OFF

**Except double cab**

Front Seat Passenger	Airbag Cut-Off Switch	ON Indicator	OFF Indicator	SRS Warning Light
Adult seated	AUTO	ON	OFF	OFF
Adult seated	OFF	OFF	ON	OFF
Child seated / Child restrain system set	AUTO	OFF	ON	OFF
Child seated / Child restrain system set	OFF	OFF	ON	OFF
Vacant	AUTO	OFF	OFF	OFF
Vacant	OFF	OFF	ON	OFF

OK

END

NG

**38 REPLACE OCCUPANT DETECTION ECU**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Replace the occupant classification ECU (See page [RS-631](#)).

RS

NEXT

**39 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page [RS-357](#)).

**OK:**

**COMPLETED is displayed on the tester.**

NG

Go to step 41

OK

**40 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page [RS-357](#)).

**Standard value:**

**27 to 33 kg (59.52 to 72.75 lb)**

OK

END

NG

**41 REPLACE FRONT SEAT WITH ADJUSTER FRAME ASSEMBLY RH**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Replace the front seat with adjuster frame assembly RH (See page [SE-38](#)).

NEXT

**RS**

**42 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the negative (-) terminal cable to the battery.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.
- (d) Using the intelligent tester, perform the zero point calibration (See page [RS-357](#)).

**OK:**

**COMPLETED is displayed on the tester.**

NEXT

**43**    **PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (See page [RS-357](#)).

**Standard value:**

**27 to 33 kg (59.52 to 72.75 lb)**

**NEXT**

**END**