# 17. Diagnostic Chart with Trouble Code

# A: DTC U0073 CONTROL MODULE COMMUNICATION BUS OFF

#### **DIAGNOSIS START CONDITION:**

Ignition voltage remains at 10 V or more for 1 second.

#### **DTC DETECTING CONDITION:**

This is detected when a CAN line malfunction occurs.

#### NOTE:

Perform the diagnosis for LAN system. <Ref. to LAN(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>

### **B: DTC B1000 AIRBAG ECU MALFUNCTION**

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	CHECK DTC.	Is any of B1000, B1003, B1105,	Replace the airbag	Perform the Clear
	Read the DTC. (Current malfunction) <ref. th="" to<=""><th>B1106, B1115, B1116, B1170,</th><th>control module.</th><th>Memory Mode.</th></ref.>	B1106, B1115, B1116, B1170,	control module.	Memory Mode.
	AB(diag)-25, Read Diagnostic Trouble Code	B1185, B1195, B1196 or	<ref. ab-48,<="" th="" to=""><th><ref. ab(diag)-<="" th="" to=""></ref.></th></ref.>	<ref. ab(diag)-<="" th="" to=""></ref.>
	(DTC).>	B1199 displayed?	Airbag Control	27, Clear Memory
			Module.>	Mode.>

# C: DTC B1003 AIRBAG ECU MALFUNCTION

NOTE

Refer to DTC B1103 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

### D: DTC B1105 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1105 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

### E: DTC B1106 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1106 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

# F: DTC B1115 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1115 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

### G: DTC B1116 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1116 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

### **H: DTC B1170 AIRBAG ECU MALFUNCTION**

NOTE:

Refer to DTC B1170 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

#### I: DTC B1185 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1185 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

### J: DTC B1195 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1195 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

### **K: DTC B1196 AIRBAG ECU MALFUNCTION**

NOTE:

Refer to DTC B1196 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

### L: DTC B1199 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1199 for details on DTC B1000. <Ref. to AB(diag)-42, DTC B1000 AIRBAG ECU MALFUNC-TION, Diagnostic Chart with Trouble Code.>

AIRBAG SYSTEM (DIAGNOSTICS)

#### M: DTC B11E0 ROLLOVER IGNITION

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### DTC DETECTING CONDITION:

This DTC is indicated when the curtain airbag module and the seat belt pretensioner are deployed.

Once this DTC is displayed, the memory cannot be cleared. Replace the following parts.

- Airbag control module <Ref. to AB-48, Airbag Control Module.>
- Curtain airbag module <Ref. to AB-46, Curtain Airbag Module.>
- Front outer seat belt with pretensioner <Ref. to SB-16, Front Seat Belt.>

#### N: DTC B11F2 FRONT IMPACT IGNITION

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### DTC DETECTING CONDITION:

This DTC is indicated when the front airbag module and the pretensioner are deployed.

Once this DTC is displayed, the memory cannot be cleared. Therefore replace the following parts.

- Airbag control module <Ref. to AB-48, Airbag Control Module.>
- Driver's airbag module <Ref. to AB-33, Driver's Airbag Module.>
- Passenger's airbag module <Ref. to AB-36, Passenger's Airbag Module.>
- Driver's knee airbag module <Ref. to AB-35, Knee Airbag Module.>
- Front sub sensor of both sides <Ref. to AB-50, Front Sub Sensor.>
- Front outer seat belt with pretensioner of both sides <Ref. to SB-16, Front Seat Belt.>
- Steering roll connector <Ref. to AB-60, Roll Connector.>
- Occupant detection system (passenger's seat cushion & frame assembly) < Ref. to SE-9, Front Seat.>
- Side airbag module on both sides (when activated) <Ref. to AB-54, Side Airbag Sensor.>
- Curtain airbag module on both sides (when activated) <Ref. to AB-46, Curtain Airbag Module.>

#### O: DTC B11F3 FRONT IMPACT IGNITION

#### NOTE:

For details on DTC B11F3, refer to DTC B11F2. <Ref. to AB(diag)-44, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

#### P: DTC B11F4 FRONT IMPACT IGNITION

#### NOTE:

For details on DTC B11F4, refer to DTC B11F2. <Ref. to AB(diag)-44, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

# Q: DTC B11F5 FRONT IMPACT IGNITION

#### NOTE:

For details on DTC B11F5, refer to DTC B11F2. <Ref. to AB(diag)-44, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

### R: DTC B11F7 SIDE IMPACT IGNITION

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

This DTC is displayed when the side airbag module and curtain airbag module are deployed.

Once this DTC is displayed, the memory cannot be cleared. Replace the following parts.

- Airbag control module <Ref. to AB-48, Airbag Control Module.>
- Side airbag module (operating side) <Ref. to AB-43, Side Airbag Module.>
- Side airbag sensor (operating side) < Ref. to AB-54, Side Airbag Sensor. >
- Curtain airbag module (operating side) <Ref. to AB-46, Curtain Airbag Module.>
- Curtain airbag sensor (operating side) <Ref. to AB-56, Curtain Airbag Sensor.>
- Satellite safing sensor < Ref. to AB-58, Satellite Safing Sensor. >
- Front door impact sensor (operating side) <Ref. to AB-52, Front Door Impact Sensor.>
- Front outer seat belt with pretensioner on the collision side (when activated) <Ref. to SB-16, Front Seat Belt.>

#### S: DTC B11F8 SIDE IMPACT IGNITION

#### NOTE:

For details on DTC B11F8. refer to DTC B11F7. <Ref. to AB(diag)-45, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

### T: DTC B11F9 SIDE IMPACT IGNITION

#### NOTE:

For details on DTC B11F9, refer to DTC B11F7. <Ref. to AB(diag)-45, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

### **U: DTC B11FA SIDE IMPACT IGNITION**

#### NOTE:

For details on DTC B11FA, refer to DTC B11F7. <Ref. to AB(diag)-45, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

### V: DTC B11FB SIDE IMPACT IGNITION

#### NOTE:

For details on DTC B11FB, refer to DTC B11F7. <Ref. to AB(diag)-45, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

#### W: DTC B11FC SIDE IMPACT IGNITION

#### NOTE:

For details on DTC B11FC, refer to DTC B11F7. <Ref. to AB(diag)-45, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

### X: DTC B1610 FRONT SUB SENSOR RH FAILURE

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### DTC DETECTING CONDITION:

Front sub sensor RH is faulty.

If DTC B1610 is displayed, the circuit within the front sub sensor RH is faulty.

Replace the front sub sensor RH. <Ref. to AB-50, Front Sub Sensor.>

#### Y: DTC B1612 FRONT SUB SENSOR RH LOST COMMUNICATION

#### NOTE:

For details on DTC B1612, refer to DTC B1613. <Ref. to AB(diag)-46, DTC B1613 FRONT SUB SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

# **Z: DTC B1613 FRONT SUB SENSOR RH INITIALIZATION ERROR**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

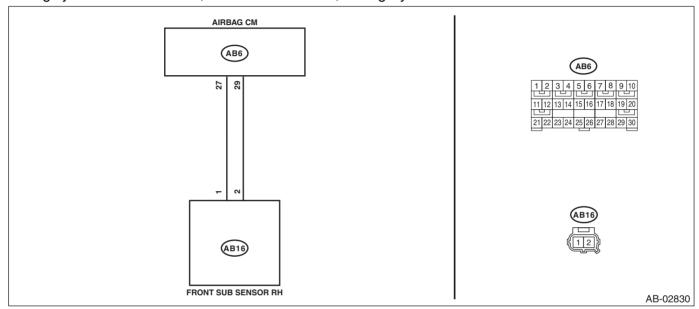
#### **DTC DETECTING CONDITION:**

- Open or short circuit in harness of front sensor bus RH.
- Front sub sensor RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step	Check	Yes	No
CHECK POOR CONTACT OF CONNECTORS.     Check for poor contact of the connectors (AB6, AB16) between the airbag control module and the front sub sensor RH.	,	Replace the airbag main harness along with body harness.	Go to step 2.

Scheck AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).   Is the resistance less than 10 Ω?   Replace the airba main harness along with body harness.   Replace the airba main harness and so more.   2  Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2).   3) Remove the console front panel and disconnect the connector (AB9),   4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.   5) Connect the connector (AB6, AB17, AB18).   6) Connect the connector (2AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AG and connector (ABG) in the test harness AG and connector (ABG) in the test harness AG and connector (AAG) in the test harness AG and chassis ground, and the resistance between connector (4AG) with the test harness AG and chassis ground, and the resistance between connector (4AG) reminals in the test harness AG.  Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) N		Step	Check	Yes	No
SENSOR BUS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connector (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (AB1-lh) in the test harness AH to the connector (AB4) and the connector (AB1-lh) in the test harness AH and the connector (AB16) from the front sub sensor RH, and then connector (AB16) from the front sub sensor RH, and then connector (AB16) from the front sub sensor RH, and then connector (AB16) in the test harness AG and connector (AB16).  8) Measure the resistance between connector (AA6) in the test harness AG and connector (AA6) in the test harness AH.  Connector & terminal (AA6) No. 12 — (3H) No. 6:  CONNECTED AND AND AND AND AND AND AND AND AND AN	2	•	Is the resistance less than 10	Go to step 3.	Replace the airbag
the battery ground cable, and wait for 60 seconds or more.  2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connector (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (14h) in the test harness AH to the connector (14h) in the test harness AH and the connector (14h) in the test harness AG.  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16).  8) Measure the resistance between connector (AB16) in the test harness AG.  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16).  8) Measure the resistance between connector (AAG) in the test harness AG and connector (AAG) in the test harness AG.  Connector & terminal (AAG) No. 14 – (3h) No. 5:  (4AG) No. 12 – (3h) No. 6:  CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG.  Connector & terminal (4AG) No. 12 – Chassis ground: (4AG) No. 12 – (AGA) No. 14:  4 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory, 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)		SENSOR BUS RH).			
onds or more.  2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AG.  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connector (AB16) from the front sub sensor RH, and then connector (AB16).  8) Measure the resistance between connector (3H) in the test harness AG and chassis ground; and the resistance between connector (4AG) in the test harness AG and chassis ground; and the resistance between connector (4AG) in the test harness AG and chassis ground; (4AG) No. 12 — (4AG) No. 14 — Chassis ground; (4AG) No. 12 — (4AG) No. 14 — Chassis ground; (4AG) No. 15 — (4AG) No. 14					along with body
2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connector (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (AH4) in the test harness AH to the connector (AB6, AB17, AB18).  6) Connect the connector (AB6, BB17, AB18).  6) Connect the connector (AB6, BB17, AB18).  7) Disconnect the connector (AB6, BB17, AB18).  8) Measure the resistance between connector (AB16) from the front sub sensor RH, and then connector (AB16).  8) Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground.  (4AG) No. 12 — (ABS) No. 14:  7) Disconnector & terminal (4AG) No. 14 — Chassis ground: (4AG) No. 14 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:  8) The resistance 1 MΩ or more?  9) The resistance 1 MΩ		the battery ground cable, and wait for 60 sec-			harness.
and column cover, and disconnect the connectors (ABP) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (AH) in the test harness AH to the connector (2AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (AB6, AB17, AB18).  6) Connect the connector (AB6, AB17, AB18).  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector ((AH16)) in the test harness H to connector (AB16) in the test harness H to connector (AB16).  8) Measure the resistance between connector (AB16) in the test harness AG and connector (AB16).  1) In the test harness AG and connector (AB16) in the test harness AG and connector (AB17).  1) In the test harness AG and connector (AB16) in the test harness AG and connector (AB17).  1) In the test harness AG and connector (AB17).  2) CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  3) Measure the resistance between connector (AAG) in the test harness AG and chassis ground; (AAG) No. 12 — Chassis ground: (AAG) No. 13 — Replace the front sub-sensor RH.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)					
tors (AB7) and (AB2).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (1AH) in the test harness AH to the connector (1AG) in the test harness AH and the connector (1AG) in the test harness AG.  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16).  8) Measure the resistance between connector (AAG) in the test harness AG and connector (4AG) in the test harness H.  Connector & terminal (4AG) No. 12 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:  3 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG.  Connector & terminal (4AG) No. 12 — (ABS) signound: (4AG) No. 14 — Chassis ground: (4AG) No. 15 — (ABS) Signound: (4AG) No. 16 — (ABS) Signound: (4AG) No. 17 — (ABS) Signound: (4AG) No. 18 — (ABS) Signound: (ABS) Sig					
3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connector (AB16). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness AG and connector (3H) in the test harness AG and connector (3H) in the test harness AG and connector (4AG) No. 12 — (3H) No. 5:  (4AG) No. 12 — (3H) No. 5: (4AG) No. 12—(3H) No. 6:  3 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG.  Connector & terminal  (4AG) No. 12 — (ABSIS ground: (4AG) No. 14— Chassis ground: (4AG) No. 15— (ABSIS ground: (4AG) No. 15— (ABSIS ground: (4AG) No. 16— Chassis ground: (4AG) No. 17— (ABSIS ground: (4AG) No. 18— (ABSIS GROUND)  (4AG) No. 19— (ABSIS GROUND)  (5D) SINCE GROUND GROU					
nect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Connect the connector (1AH) in the test harness AH to the connectors (AB6, AB17, AB18). 6) Connect the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (1AB16) from the front sub sensor RH, and then connect the connector (4B16). 8) Measure the resistance between connector (4AG) in the test harness H to connector (3H) in the test harness AG and connector (3H) in the test harness AG.  Connector & terminal (4AG) No. 12 — (3H) No. 5: (4AG) No. 12 — (3H) No. 5: (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG.  Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) to 1.4 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:  CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)  Replace the airbag control displayed? Replace the front sub sensor RH.					
4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Connect the connector (1AH) in the test harness AH to the connector (1AH) in the test harness AH to the connector (1AG) in the test harness AH and the connector (1AG) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16). 8) Measure the resistance between connector (AAG) in the test harness AG and connector (3H) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connector (AB16). 8) Measure the resistance between connector (3H) in the test harness AG and connector (3H) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 13 — Chassis ground: (4AG) No. 14 — Chassis ground: (4AG) No. 15 — Chassis ground: (4AG) No. 16 — Chassis ground: (4AG) No. 17 — Chassis ground: (4AG) No. 18 — Chassis ground: (4AG) No. 19 — Chassis ground:					
AB18) from airbag control module. 5) Connect the connector (1AH) in the test harness AH to the connectors (AB6, AB17, AB18). 6) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (1H) in the test harness H to connector (AB16). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness AG.  **Connector & terminal** **(4AG) No. 12 — (3H) No. 5: **(4AG) No. 12 — (3H) No. 5: **(4AG) No. 12 — (3H) No. 5: **(4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) the resistance between connector (4AG) the resistance between connector (4AG) No. 12 — Chassis ground: **(4AG) No. 13 — Chassis ground: **(4AG) No. 14 — Chassis ground: **(4AG) No. 15 — Chassis ground: **(4AG) No. 16 — Chassis ground: **(4AG) No. 17 — Chassis ground: **(4AG) No. 18 — Chassis ground: **(4AG) No. 19 — Chassis ground: **(4AG)					
5) Connect the connectors (1AH) in the test harness AH to the connectors (AB6, AB17, AB18). 6) Connect the connectors (2AH) in the test harness AH and the connector (1AG) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness AG and connector (3H) in the test harness AG. Connector & terminal (4AG) No. 14 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:  3 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH). Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:  4 CHECK AIRBAG CONTROL MOULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)  Is the same DTC displayed?  Replace the front sub sensor RH. < Ref. to AB-50, REMOVAL, Front Sub Sensor.> Replace the airbag control module if not operating nor-					
ness AH to the connectors (AB6, AB17, AB18). 6) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AH and the connector (1AG) in the test harness AG. 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (AB16). 8) Measure the resistance between connector (3H) in the test harness AG and connector (3H) in the test harness AG and connector (3H) in the test harness H.  Connector & terminal (4AG) No. 12 — (3H) No. 5: (4AG) No. 12 — (3H) No. 5: (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG.  Connector & terminal (4AG) No. 12 — (ABG) No. 14: (AGG) No. 12 — (ABSis ground: (4AG) No. 12 — (ABSis ground: (4AG) No. 12 — (ABSis ground: (4AG) No. 12 — (ABSIS GROUNDE). 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)  Is the same DTC displayed?  Replace the front sub sensor RH.  Ref. to AB-50, REMOVAL, Front Sub Sensor.> Replace the airbag control module if not operating nor-					
6) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AH and the connector (1AG) in the test harness AH.  7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (1H) in the test harness H to connector (AAG) in the test harness H to connector (3H) in the test harness H.  Connector & terminal (4AG) No. 14 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:  3 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG.  Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:  4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)  Is the resistance 1 MΩ or more?  Go to step 4.  Replace the airba main harness along with body harness.  Replace the front sub sensor RH. <ref. ab-50,="" front="" removal,="" sensor.="" sub="" to="">  Replace the airbar main harness AG.  Check AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)</ref.>					
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nector (1H) in the test harness H to connector (AB16).  8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness AG and connector (3H) in the test harness H.  Connector & terminal (4AG) No. 12 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:  3 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH).  Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG.  Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 12 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:  4 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)  Replace the front sub sensor RH. <ref. ab-50,="" front="" removal,="" sensor.="" sub="" to="">  Replace the airbag control module if not operating nor-</ref.>		,			
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1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction) Sub Sensor.> Replace the airbag control module if not operating nor-	4		Is the same DTC displayed?	Replace the front	Go to step 5.
2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)  Sub Sensor.> Replace the airbag control module if not operating nor-		Connect all connectors.			
3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction) Sub Sensor.> Replace the airbag control module if not operating nor-		•		<ref. ab-50,<="" th="" to=""><th></th></ref.>	
4) Read the DTC. (Current malfunction)  Sub Sensor.> Replace the airbag control module if not operating nor-					
Replace the airbag control module if not operating nor-					
not operating nor-		,		Replace the airbag	
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replacing the sen-					
sor. <ref. ab-<="" th="" to=""><th></th><th></th><th></th><th></th><th></th></ref.>					
48, REMOVAL, Air-					
bag Control Mod-				_	
ule.>				ule.>	
5 CHECK FOR ANY OTHER DTC ON DISPLAY. Is any other DTC displayed? Check DTC using Finish the diagno	5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using	Finish the diagno-
"List of Diagnostic sis.					sis.
Trouble Code".					
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33, List of Diagnos-					
tic Trouble Code					
(DTC).>	I			(DTC).>	

AIRBAG SYSTEM (DIAGNOSTICS)

### AA:DTC B1615 FRONT SUB SENSOR LH FAILURE

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

Front sub sensor LH is faulty.

If DTC B1615 is displayed, the circuit within the front sub sensor LH is faulty.

Replace the front sub sensor LH. <Ref. to AB-50, Front Sub Sensor.>

# AB: DTC B1617 FRONT SUB SENSOR LH LOST COMMUNICATION

#### NOTE:

For details on DTC B1617, refer to DTC B1618. <Ref. to AB(diag)-49, DTC B1618 FRONT SUB SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

# AC:DTC B1618 FRONT SUB SENSOR LH INITIALIZATION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

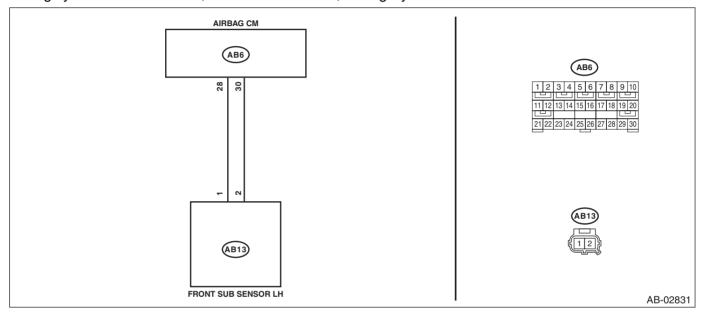
#### **DTC DETECTING CONDITION:**

- Open or short circuit in harness of front sensor bus LH.
- Front sub sensor LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step	Check	Yes	No
CHECK POOR CONTACT OF CONNECTORS.     Check for poor contact of the connectors (AB6, AB13) between the airbag control module and the front sub sensor LH.	,	Replace the airbag main harness along with body harness.	Go to step 2.

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance less than 10	Go to step 3.	Replace the airbag
	SENSOR BUS LH).	Ω?		main harness
	1) Turn the ignition switch to OFF, disconnect			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	<ol><li>Remove the instrument panel lower cover</li></ol>			
	and column cover, and disconnect the connec-			
	tors (AB7) and (AB2).			
	<ol><li>Remove the console front panel and discon-</li></ol>			
	nect the connector (AB9).			
	4) Disconnect the connectors (AB6, AB17,			
	AB18) from airbag control module.			
	5) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	6) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	7) Disconnect the connector (AB13) from the			
	front sub sensor LH, and then connect the con-			
	nector (1H) in the test harness H to connector			
	(AB13). 8) Measure the resistance between connector			
	(4AG) in the test harness AG and connector			
	(3H) in the test harness H.			
	Connector & terminal			
	(4AG) No. 7 — (3H) No. 5:			
	(4AG) No. 9 — (3H) No. 6:			
3	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance 1 M $\Omega$ or	Go to step 4.	Replace the airbag
٦	SENSOR BUS LH).	more?	Go to step 4.	main harness
	Measure the resistance between connector	more?		along with body
	(4AG) in the test harness AG and chassis			harness.
	ground, and the resistance between connector			namess.
	(4AG) terminals in the test harness AG.			
	Connector & terminal			
	(4AG) No. 7 — Chassis ground:			
	(4AG) No. 9 — Chassis ground:			
	(4AG) No. 7 — (4AG) No. 9:			
4	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Replace the front	Go to step 5.
-	Connect all connectors.	lo trio damo Bro diopiayou.	sub sensor LH.	Go to otop <b>c</b> .
	2) Clear the memory.		<ref. ab-50,<="" td="" to=""><td></td></ref.>	
	3) Perform the Inspection Mode.		REMOVAL, Front	
	4) Read the DTC. (Current malfunction)		Sub Sensor.>	
	,,		Replace the airbag	
			control module if	
			not operating nor-	
			mally even after	
			replacing the sen-	
			sor. <ref. ab-<="" td="" to=""><td></td></ref.>	
			48, REMOVAL, Air-	
			bag Control Mod-	
			ule.>	
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using	Finish the diagno-
1		,	"List of Diagnostic	sis.
			Trouble Code".	
			<ref. ab(diag)-<="" td="" to=""><td></td></ref.>	
			33, List of Diagnos-	
			tic Trouble Code	
			(DTC).>	
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### AD: DTC B16F2 FRONT SUB SENSOR RH RECOGNITION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

Front sub sensor RH is wrongly installed.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE FRONT SUB SENSOR.	Does the warning light go off?	Finish the diagno-	Replace the airbag
	1) Turn the ignition switch to OFF, disconnect		sis.	control module.
	the battery ground cable, and wait for 60 sec-			<ref. ab-48,<="" th="" to=""></ref.>
	onds or more.			REMOVAL, Airbag
	2) Replace the front sub sensor RH with a gen-			Control Module.>
	uine sensor. <ref. ab-50,="" front<="" removal,="" th="" to=""><th></th><th></th><th></th></ref.>			
	Sub Sensor.>			

#### AE:DTC B16F3 FRONT SUB SENSOR LH RECOGNITION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### DTC DETECTING CONDITION:

Front sub sensor LH is wrongly installed.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE FRONT SUB SENSOR.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the front sub sensor LH with a genuine sensor. <ref. ab-50,="" front="" removal,="" sensor.="" sub="" to=""></ref.>			Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

#### AF: DTC B1620 SIDE AIRBAG SENSOR RH FAILURE

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

Side airbag sensor RH is faulty.

When DTC B1620 is displayed, the circuit within the side airbag sensor RH is faulty.

Replace the side airbag sensor RH. <Ref. to AB-54, Side Airbag Sensor.>

# AG: DTC B1622 SIDE AIRBAG SENSOR RH LOST COMMUNICATION

#### NOTE:

For details on DTC B1622, refer to DTC B1623. <Ref. to AB(diag)-52, DTC B1623 SIDE AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

### AH: DTC B1623 SIDE AIRBAG SENSOR RH INITIALIZATION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

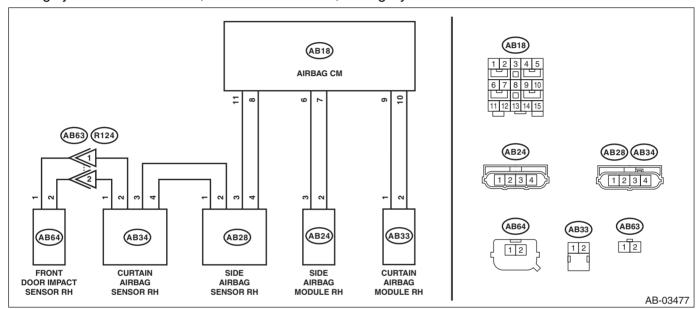
#### DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH and curtain airbag sensor RH are faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step	Check	Yes	No
CHECK POOR CONTACT OF CONNECTORS.     Check for poor contact of the connectors between the airbag control module and the side airbag sensor RH.	·	Replace the airbag rear harness along with body harness.	·

	Step	Check	Yes	No
2	CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) of side airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Disconnect the connector (AB28) from side airbag sensor RH, and connect the connector (2V) in test harness V to connector (AB28).  9) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V.  Connector & terminal  (5AG) No. 14 — (3V) No. 1:  (5AG) No. 15 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND	Is the resistance less than 10 $\Omega$ ?	Yes Go to step 3.  Go to step 4.	Replace the airbag rear harness along with body harness.  Replace the airbag rear harness along
3	CHECK AIRBAG REAR HARNESS (BE-		Go to step 4.	
	(3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:			
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 5.	Go to step 6.
5	REPLACE SIDE AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the side airbag sensor RH. < Ref. to AB-54, REMOVAL, Side Airbag Sensor.>  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)	Is the system normal?	Go to step 6.	Replace the curtain airbag sensor RH. <ref. ab-56,="" airbag="" curtain="" removal,="" sensor.="" to=""> Replace the airbag control module if not operating normally even after replacing the sensor. <ref. ab-48,="" airbag="" control="" module.="" removal,="" to=""></ref.></ref.>

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
6 CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	

# **AI: DTC B1625 SIDE AIRBAG SENSOR LH FAILURE**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

### **DTC DETECTING CONDITION:**

Side airbag sensor LH is faulty.

When DTC B1625 is displayed, the circuit within the side airbag sensor LH is faulty.

Replace the side airbag sensor LH. <Ref. to AB-54, Side Airbag Sensor.>

# AJ:DTC B1627 SIDE AIRBAG SENSOR LH LOST COMMUNICATION

#### NOTE:

Refer to DTC B1627 for details on DTC B1628. <Ref. to AB(diag)-55, DTC B1628 SIDE AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

### **AK:DTC B1628 SIDE AIRBAG SENSOR LH INITIALIZATION ERROR**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

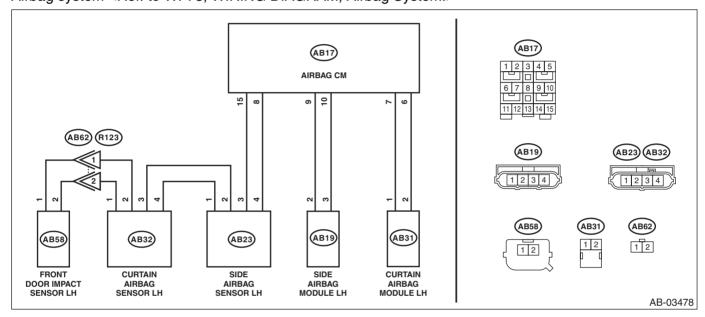
#### **DTC DETECTING CONDITION:**

- Open or short circuit in harness of side sensor bus LH.
- Side airbag sensor LH and curtain airbag sensor LH are faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		rear harness along	
	Check for poor contact of the connectors		with body harness.	
	between the airbag control module and the side airbag sensor LH.			

	Step	Check	Yes	No
2	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance less than 10	Go to step 3.	Replace the airbag
	TWEEN AIRBAG CONTROL MODULE AND	$\Omega$ ?		rear harness along
	SIDE AIRBAG SENSOR LH).			with body harness.
	1) Turn the ignition switch to OFF, disconnect			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Disconnect the connector (AB21) from seat			
	belt pretensioner LH.			
	3) Disconnect the connector (AB31) from cur-			
	tain airbag module LH.			
	4) Disconnect the connector (AB19) of the side			
	airbag module LH.			
	5) Disconnect the connectors (AB6, AB17,			
	AB18) from airbag control module.			
	6) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	7) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	8) Disconnect the connector (AB23) from side			
	airbag sensor LH, and connect the connector			
	(2V) in test harness V to connector (AB23).			
	9) Measure the resistance between connector			
	(5AG) in the test harness AG and connector			
	(3V) in the test harness V.			
	Connector & terminal			
	(5AG) No. 9 — (3V) No. 2:			
	(5AG) No. 10 — (3V) No. 1:			
3	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance 1 $M\Omega$ or	Go to step 4.	Replace the airbag
	TWEEN AIRBAG CONTROL MODULE AND	more?		rear harness along
	SIDE AIRBAG SENSOR LH).			with body harness.
	Measure the resistance between test harness			
	AG connectors (5AG) and chassis ground, and			
	the resistance between connectors (5AG) of the			
	test harness AG.			
	Connector & terminal			
	(3V) No. 1 — Chassis ground:			
	(3V) No. 2 — Chassis ground:			
	(3V) No. 1 — (3V) No. 2:	La than a sura DTO disculator do	0-15	0-446
4	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Go to step 5.	Go to step 6.
	Connect all connectors.      Clear the memory.			
	Clear the memory.     Porform the Inspection Mode.			
	<ul><li>3) Perform the Inspection Mode.</li><li>4) Read the DTC. (Current malfunction)</li></ul>			
_	· · · · · · · · · · · · · · · · · · ·	lo the gratem negree 10	Co to ota = C	Donlood the serie
5	REPLACE SIDE AIRBAG SENSOR LH AND	Is the system normal?	Go to step 6.	Replace the cur-
	CHECK AIRBAG CONTROL MODULE AF- TER REPLACEMENT.			tain airbag sensor
				LH. <ref. ab-<="" td="" to=""></ref.>
	1) Turn the ignition switch to OFF, disconnect			56, REMOVAL,
	the battery ground cable, and wait for 60 sec-			Curtain Airbag
	onds or more.			Sensor.> Replace
	2) Replace the side airbag sensor LH. <ref. td="" to<=""><td></td><td></td><td>the airbag control</td></ref.>			the airbag control
	AB-54, REMOVAL, Side Airbag Sensor.>			module if not oper-
	Connect all connectors.     Clear the memory.			ating normally
	Clear the memory.      Perform the Inspection Mode.			even after replac-
	5) Perform the Inspection Mode.			ing the sensor.
	6) Read the DTC. (Current malfunction)			<ref. ab-48,<="" td="" to=""></ref.>
				REMOVAL, Airbag
				Control Module.>

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using	Finish the diagno-
			"List of Diagnostic	sis.
			Trouble Code	
			(DTC)". <ref. th="" to<=""><th></th></ref.>	
			AB(diag)-33, List	
			of Diagnostic Trou-	
			ble Code (DTC).>	

# AL:DTC B1630 CURTAIN AIRBAG SENSOR RH FAILURE

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

Curtain airbag sensor RH is faulty.

If DTC B1630 is displayed, the circuit within the curtain airbag sensor RH is faulty.

Replace the curtain airbag sensor RH. <Ref. to AB-56, Curtain Airbag Sensor.>

# AM: DTC B1632 CURTAIN AIRBAG SENSOR RH LOST COMMUNICATION

#### NOTE:

Refer to DTC B1632 for details on DTC B1633. <Ref. to AB(diag)-58, DTC B1633 CURTAIN AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

### AN: DTC B1633 CURTAIN AIRBAG SENSOR RH INITIALIZATION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

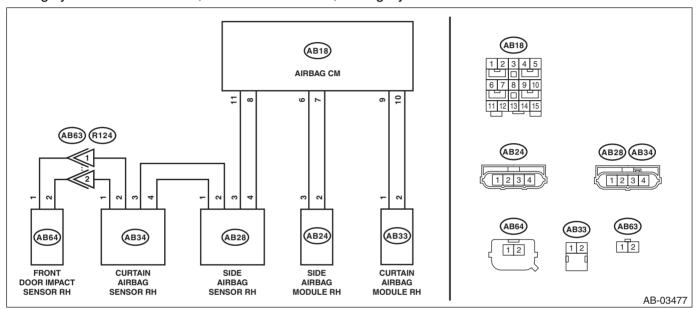
#### DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH and curtain airbag sensor RH are faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1		Is DTC B1622 or B1623 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the door sensor RH.		Replace the airbag rear harness and the door harness.	Go to step 3.

TWEEN SIDE AIRBAG SENSOR RH)  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB28) of side airbag sensor RH and the connector (AB28) of side airbag sensor RH and the connector (1A) in the test harness AI.  7) Connect the connector (AB28) of side airbag sensor RH and the connector (1A) in the test harness AI.  7) Connect the connector (2A) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal  (3V) No. 2 — (3V) No. 6:  (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V and chassis ground:  (3V) No. 1 — Chassis ground:  (3V) No. 2 — Chassis ground:  (3V) No. 1 — Chassis ground:  (3V) No. 2 — (3V) No. 1:	No
TWEEN SIDE AIRBAG SENSOR RH AND CURTAIN AIRBAG SENSOR RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB28) of side airbag module RH.  4) Disconnect the connector (AB28) of side airbag module RH.  5) Disconnect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI and the connector (2AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 – (3V) No. 6: (3V) No. 1 – (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 – Chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 – Chassis ground: (3	Replace the airbag
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB23) from curtain airbag module RH.  4) Disconnect the connector (AB24) of side airbag module RH.  5) Disconnect the connector (AB28) of side airbag sensor RH.  6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI and the connector (1V) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH-I), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal  (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal  (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (AV) No. 7:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	rear harness along
the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB28) of side airbag sensor RH.  6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2—(3V) No. 6: (3V) No. 1—(3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2—Chassis ground; (3V) No. 2—Chassis ground: (3V) No. 2—Chassis ground: (3V) No. 2—Chassis ground: (3V) No. 2—Chassis ground: (3V) No. 2—(3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	with body harness.
onds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB28) of side airbag module RH.  5) Disconnect the connector (AB28) of side airbag sensor RH.  6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.	•
2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB28) of side airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 6: (3V) No. 1 — (3V) No. 6: (3V) No. 1 — (3V) No. 6: (3V) No. 3 — (3V) No. 5 — (3V) No. 5 — (3V) No. 5 — (3V) No. 6: (3V) No. 5 — (3V) No. 6: (3V) No. 6: (3V) No. 6: (3V) No. 6: (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V.  Connect are terminal (3V) No. 2 — (3V) No. 1: (3V) No. 2 — (3V) No. 1: (3V) No. 2 — (3V) No. 1: (3V) No. 1: (3V) No. 2 — (3V) No. 1: (3V) No. 1 — (3V) No. 1: (3V) No. 2 — (3V) No. 2 — (3V) No. 1: (3V) No. 2 — (3V)	
belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB28) of side airbag module RH.  5) Disconnect the connector (AB28) of side airbag sensor RH.  6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI and the connector (1V) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — (Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.	
belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB28) of side airbag module RH.  5) Disconnect the connector (AB28) of side airbag sensor RH.  6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI and the connector (1V) in the test harness V.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — (Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.	
3) Disconnect the connector (AB34) from curtain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB28) of side airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI. 8) Disconnect the connector (1V) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V. Connector (2V) in test harness V to connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG FEAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V. Connector & terminal (3V) No. 2 — Chassis ground; (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
tain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB28) of side airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1AI) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
<ul> <li>4) Disconnect the connector (AB24) of side airbag module RH.</li> <li>5) Disconnect the connector (AB28) of side airbag sensor RH.</li> <li>6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.</li> <li>7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.</li> <li>8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).</li> <li>9) Measure the resistance between connector (3V) terminals in the test harness V.</li> <li>Connector &amp; terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 5:</li> <li>4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).</li> <li>Measure the resistance between connector (3V) in test harness V.</li> <li>Connector &amp; terminal (3V) No. 2 — (Chassis ground; (3V) No. 1 — Chassis ground: (3V) No. 1 — (Sonnect all connectors. 2) Clear the memory.</li> <li>3) Perform the Inspection Mode.</li> </ul>	
5) Disconnect the connector (AB28) of side airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — (Abssis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
airbag sensor RH. 6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — (Abssis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
6) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI and the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
bag sensor RH and the connector (1AI) in the test harness AI.  7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI.  8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal  (3V) No. 2 — (3V) No. 6:  (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal  (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.	
test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI and the connector (1V) in the test harness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
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ness V. 8) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
tain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
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nector (2V) in test harness V to connector (AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BE- TWEEN SIDE AIRBAG SENSOR AND CUR- TAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
(AB34).  9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
9) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
(3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:  4 CHECK AIRBAG REAR HARNESS (BE- TWEEN SIDE AIRBAG SENSOR AND CUR- TAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
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<ul> <li>(3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:</li> <li>CHECK AIRBAG REAR HARNESS (BE-TWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector &amp; terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:</li> <li>CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.</li> </ul>	
<ul> <li>(3V) No. 1 — (3V) No. 7:</li> <li>CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector &amp; terminal  (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:</li> <li>CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.</li> </ul>	
4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal  (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
TAIN AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:   The connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 1:  Substitute of the same DTC displayed?  Go to step 6.  Go to step 6.	Replace the airbag
Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	rear harness along
(3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	with body harness.
the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
harness V.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
(3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
(3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
(3V) No. 2 — (3V) No. 1:  5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.  Is the same DTC displayed? Go to step 6.  Go  Go  Go  Go  Go  Go  Go  Go  Go  G	
1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode.	
2) Clear the memory. 3) Perform the Inspection Mode.	Go to step <b>7</b> .
3) Perform the Inspection Mode.	
4) Read the DTC. (Current malfunction)	
	Go to step 8.
AND CHECK AIRBAG CONTROL MODULE	
AFTER REPLACEMENT.	
Turn the ignition switch to OFF, disconnect	
the battery ground cable, and wait for 60 sec-	
onds or more.	
Replace the curtain airbag sensor RH.	
<ref. ab-56,="" airbag<="" curtain="" removal,="" th="" to=""><th></th></ref.>	
Sensor.>	
3) Connect all connectors.	
4) Clear the memory.	
5) Perform the Inspection Mode.	
6) Read the DTC. (Current malfunction)	

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
7	REPLACE SIDE AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the side airbag sensor RH. <ref. ab-54,="" airbag="" removal,="" sensor.="" side="" to="">  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 8.
8	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# **AO:DTC B1635 CURTAIN AIRBAG SENSOR LH FAILURE**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

Curtain airbag sensor LH is faulty.

If DTC B1635 is displayed, the circuit within the curtain airbag sensor LH is faulty.

Replace the curtain airbag sensor LH. <Ref. to AB-56, Curtain Airbag Sensor.>

# AP:DTC B1637 CURTAIN AIRBAG SENSOR LH LOST COMMUNICATION

#### NOTE:

Refer to DTC B1637 for details on DTC B1638. <Ref. to AB(diag)-61, DTC B1638 CURTAIN AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

### AQ:DTC B1638 CURTAIN AIRBAG SENSOR LH INITIALIZATION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

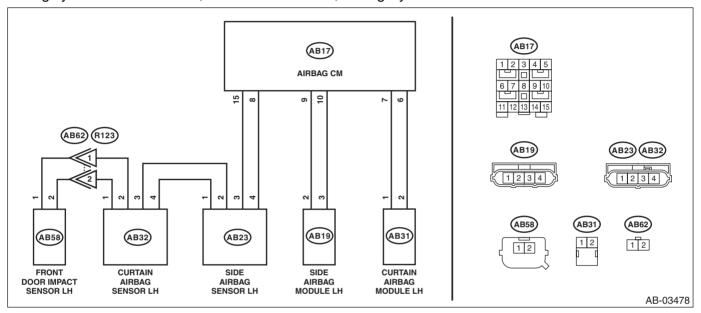
#### DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus LH.
- Side airbag sensor LH and curtain airbag sensor LH are faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1		Is DTC B1627 or B1628 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the door sensor LH.		Replace the airbag rear harness and the door harness.	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance less than 10	Go to step 4.	Replace the airbag
٦	TWEEN SIDE AIRBAG SENSOR LH AND	$\Omega$ ?	Go to step 4.	rear harness along
	CURTAIN AIRBAG SENSOR LH).	22:		with body harness.
	Turn the ignition switch to OFF, disconnect			with body namess.
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	<ul><li>2) Disconnect the connector (AB21) from seat</li></ul>			
	belt pretensioner LH.			
	3) Disconnect the connector (AB31) from cur-			
	tain airbag module LH.			
	4) Disconnect the connector (AB19) of the side			
	airbag module LH.			
	5) Disconnect the connector (AB23) in the side			
	airbag sensor LH.			
	6) Connect the connector (AB23) of side air-			
	bag sensor LH and the connector (1AI) in the			
	test harness AI.			
	7) Connect the connector (2AI) in the test har-			
	ness AI and the connector (1V) in the test har-			
	ness V.			
	8) Disconnect the connector (AB32) from cur-			
	tain airbag sensor LH, and connect it to the con-			
	nector (2V) in test harness V.			
	9) Measure the resistance between connector			
	(3V) terminals in the test harness V.			
	Connector & terminal			
	(3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:			
4	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance 1 M $\Omega$ or	Go to step 5.	Replace the airbag
	TWEEN SIDE AIRBAG SENSOR AND CUR-	more?	'	rear harness along
	TAIN AIRBAG SENSOR LH).			with body harness.
	Measure the resistance between connector			
	(3V) in test harness V and chassis ground, and			
	the resistance between connector (3V) in test			
	harness V.			
	Connector & terminal			
	(3V) No. 1 — Chassis ground:			
	(3V) No. 2 — Chassis ground:			
	(3V) No. 1 — (3V) No. 2:			
5	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Go to step 6.	Go to step 8.
	Connect all connectors.			
	2) Clear the memory.			
	3) Perform the Inspection Mode.			
	4) Read the DTC. (Current malfunction)			
6	REPLACE CURTAIN AIRBAG SENSOR LH	Is the same DTC displayed?	Go to step 7.	Go to step 8.
	AND CHECK AIRBAG CONTROL MODULE			
	AFTER REPLACEMENT.			
	1) Turn the ignition switch to OFF, disconnect			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Replace the curtain airbag sensor LH. < Ref.			
	to AB-56, REMOVAL, Curtain Airbag Sensor.>			
	<ul><li>3) Connect all connectors.</li><li>4) Clear the memory.</li></ul>			
	<ul><li>5) Perform the Inspection Mode.</li></ul>			
	6) Read the DTC. (Current malfunction)			
1	o, mode the bio. (ountine manufaction)	1	1	İ

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
7	REPLACE SIDE AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the side airbag sensor LH. <ref. ab-54,="" airbag="" removal,="" sensor.="" side="" to="">  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 8.
8	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

### AR: DTC B16F4 SIDE AIRBAG SENSOR RH RECOGNITION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

- Side airbag sensor RH is misinstalled.
- Airbag CM is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE SIDE AIRBAG SENSOR RH.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the side airbag sensor RH with a genuine sensor. <ref. ab-54,="" airbag="" removal,="" sensor.="" side="" to=""></ref.>	Does the warning light go off?	sis.	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

### AS:DTC B16F5 SIDE AIRBAG SENSOR LH RECOGNITION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

- Side airbag sensor LH is misinstalled.
- Airbag CM is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE SIDE AIRBAG SENSOR LH.	Does the warning light go off?	Finish the diagno-	Replace the airbag
	<ol> <li>Turn the ignition switch to OFF, disconnect</li> </ol>		sis.	control module.
	the battery ground cable, and wait for 60 sec-			<ref. ab-48,<="" th="" to=""></ref.>
	onds or more.			REMOVAL, Airbag
	2) Replace the side airbag sensor LH with a			Control Module.>
	genuine sensor. <ref. ab-54,="" removal,<="" th="" to=""><th></th><th></th><th></th></ref.>			
	Side Airbag Sensor.>			

AIRBAG SYSTEM (DIAGNOSTICS)

# AT: DTC B16F6 CURTAIN AIRBAG SENSOR RH RECOGNITION ERROR

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

- · Curtain airbag sensor RH is misinstalled.
- · Airbag CM is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE CURTAIN AIRBAG SENSOR RH.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the curtain airbag sensor RH with a genuine sensor. <ref. ab-56,="" airbag="" curtain="" removal,="" sensor.="" to=""></ref.>	Does the warning light go off?	sis.	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

### **AU:DTC B16F7 CURTAIN AIRBAG SENSOR LH RECOGNITION ERROR**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

#### **DTC DETECTING CONDITION:**

- Curtain airbag sensor LH is misinstalled.
- Airbag CM is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE CURTAIN AIRBAG SENSOR LH.	Does the warning light go off?	Finish the diagno-	Replace the airbag
	1) Turn the ignition switch to OFF, disconnect		sis.	control module.
	the battery ground cable, and wait for 60 sec-			<ref. ab-48,<="" th="" to=""></ref.>
	onds or more.			REMOVAL, Airbag
	2) Replace the curtain airbag sensor LH with a			Control Module.>
	genuine sensor. <ref. ab-56,="" removal,<="" th="" to=""><th></th><th></th><th></th></ref.>			
	Curtain Airbag Sensor.>			

# AV: DTC B1642 SIDE SATELLITE SENSOR BUS RH LOST COMMUNICATION

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

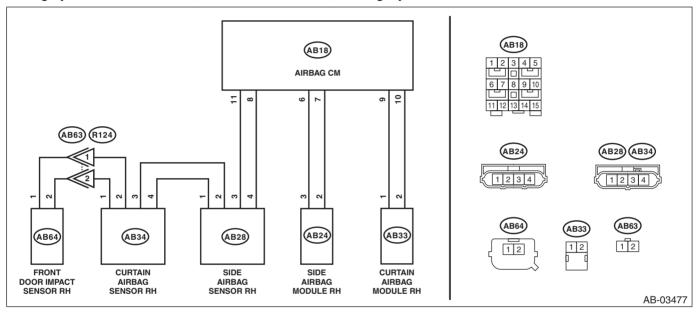
#### DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH is faulty.
- · Curtain airbag sensor RH is faulty.
- · Front door impact sensor RH is faulty.
- Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1622 or B1623 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1632 or B1633 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1692 or B1693 displayed?	Perform the diagnosis according to DTC.	Go to step 4.
4	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the front door impact sensor RH.	Is there poor contact?	Replace the airbag rear harness and the door harness.	Go to step 5.

	Step	Check	Yes	No
5	CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) of side airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Disconnect the connector (AB28) from side airbag sensor RH.  9) Connect the connector (2V) in the test harness V to the connector (AB28).  10) Measure the resistance between connector (5AG) in the test harness V.  Connector & terminal (5AG) No. 14 — (3V) No. 1: (5AG) No. 15 — (3V) No. 2:		Go to step 6.	Replace the airbag rear harness along with body harness.
6	CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal  (3V) No. 1 — Chassis ground:  (3V) No. 2 — Chassis ground:  (3V) No. 1 — (3V) No. 2:	Is the resistance 1 MΩ or more?	Go to step 7.	Replace the airbag rear harness along with body harness.

	Step	Check	Yes	No
7	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance less than 10	Go to step 8.	Replace the airbag
	TWEEN SIDE AIRBAG SENSOR AND CUR-	$\Omega$ ?		rear harness along
	TAIN AIRBAG SENSOR RH).			with body harness.
	1) Disconnect the connector (2V) in the test			, , , , , , , , , , , , , , , , , , , ,
	harness V from the connector (AB28) of side			
	airbag sensor RH.			
	2) Connect the connector (AB28) of side air-			
	bag sensor RH and the connector (1AI) in the			
	test harness AI.			
	3) Connect the connector (2AI) in the test har-			
	ness AI and the connector (1V) in the test har-			
	ness V.			
	4) Disconnect the connector (AB34) from cur-			
	tain airbag sensor (RH), and connect the con-			
	nector (2V) in test harness V to connector			
	(AB34).			
	5) Measure the resistance between connector			
	(3V) terminals in the test harness V.			
	Connector & terminal			
	(3V) No. 2 — (3V) No. 6:			
	(3V) No. 1 — (3V) No. 7:			
8	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance 1 $M\Omega$ or	Go to step 9.	Replace the airbag
	TWEEN SIDE AIRBAG SENSOR AND CUR-	more?	·	rear harness along
	TAIN AIRBAG SENSOR RH).			with body harness.
	Measure the resistance between connector			-
	(3V) in test harness V and chassis ground, and			
	the resistance between connector (3V) termi-			
	nals in test harness V.			
	Connector & terminal			
	(3V) No. 2 — Chassis ground:			
	(3V) No. 1 — Chassis ground:			
	(3V) No. 1 — (3V) No. 2:			
9	CHECK AIRBAG REAR HARNESS AND	Is the resistance less than 10	Go to step 10.	Check the door
	DOOR HARNESS (BETWEEN CURTAIN AIR-	$\Omega$ ?		harness, and if any
	BAG SENSOR RH AND DOOR SENSOR RH).			fault is found,
	<ol> <li>Disconnect the connector (AB64) from the</li> </ol>			replace the har-
	front door impact sensor RH, and connect the			ness. If there is no
	connector (1H) in the test harness H to connec-			fault, replace the
	tor (AB64).			airbag rear har-
	2) Measure the resistance between connector			ness together with
	(3V) in the test harness V and connector (3H) in			body harness.
	the test harness H.			
	Connector & terminal			
	(3V) No. 4 — (3H) No. 5:			
	(3V) No. 5 — (3H) No. 6:			
10	CHECK AIRBAG REAR HARNESS AND	Is the resistance 1 $M\Omega$ or	Go to step 11.	Check the door
	DOOR HARNESS (BETWEEN CURTAIN AIR-	more?		harness, and if any
	BAG SENSOR RH AND FRONT DOOR IM-			fault is found,
	PACT SENSOR RH).			replace the har-
	Measure the resistance between connector			ness. If there is no
	(3V) in test harness V and chassis ground, and			fault, replace the
	the resistance between connector (3V) termi-			airbag rear har-
	nals in test harness V.			ness together with
	Connector & terminal			body harness.
	(3V) No. 4 — Chassis ground:			
	(3V) No. 5 — Chassis ground:			
	(3V) No. 4 — (3V) No. 5:			

	Step	Check	Yes	No
11	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Go to step 12.	Go to step 15.
	1) Connect all connectors.			
	2) Clear the memory.			
	3) Perform the Inspection Mode.			
	4) Read the DTC. (Current malfunction)			
12	REPLACE SIDE AIRBAG SENSOR RH AND	Is the same DTC displayed?	Go to step 13.	Go to step 15.
	CHECK AIRBAG CONTROL MODULE AF-			
	TER REPLACEMENT.			
	<ol> <li>Turn the ignition switch to OFF, disconnect</li> </ol>			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Replace the side airbag sensor RH. < Ref. to			
	AB-54, REMOVAL, Side Airbag Sensor.>			
	<ol><li>Connect all connectors.</li></ol>			
	<ol><li>Clear the memory.</li></ol>			
	<ol><li>Perform the Inspection Mode.</li></ol>			
	6) Read the DTC. (Current malfunction)			
13	REPLACE CURTAIN AIRBAG SENSOR RH	Is the same DTC displayed?	Go to step 14.	Go to step 15.
	AND CHECK AIRBAG CONTROL MODULE			
	AFTER REPLACEMENT.			
	Turn the ignition switch to OFF, disconnect			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Replace the curtain airbag sensor RH.			
	<ref. ab-56,="" airbag<="" curtain="" removal,="" td="" to=""><td></td><td></td><td></td></ref.>			
	Sensor.>			
	Connect all connectors.     Clear the memory.			
	Clear the memory.      Porform the Induction Mode.			
	5) Perform the Inspection Mode.			
4.4	6) Read the DTC. (Current malfunction)	I. N	Davida a dia a side a si	0-1145
14	REPLACE FRONT DOOR IMPACT SENSOR	Is the same DTC displayed?	Replace the airbag	Go to step 15.
	RH AND CHECK AIRBAG CONTROL MOD- ULE AFTER REPLACEMENT.		control module.	
	Turn the ignition switch to OFF, disconnect		<ref. ab-48,<="" td="" to=""><td></td></ref.>	
	the battery ground cable, and wait for 60 sec-		REMOVAL, Airbag Control Module.>	
	onds or more.		Control Module.>	
	<ul><li>2) Replace the front door impact sensor RH.</li></ul>			
	<ref. ab-52,="" door="" front="" impact<="" p="" removal,="" to=""></ref.>			
	Sensor.>			
	Connect all connectors.			
	4) Clear the memory.			
	5) Perform the Inspection Mode.			
	6) Read the DTC. (Current malfunction)			
15	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Perform the diag-	Finish the diagno-
	Read the DTC. (Current malfunction)		nosis according to	sis.
	·		DTC.	

# AW:DTC B1647 SIDE SATELLITE SENSOR BUS LH LOST COMMUNICATION

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

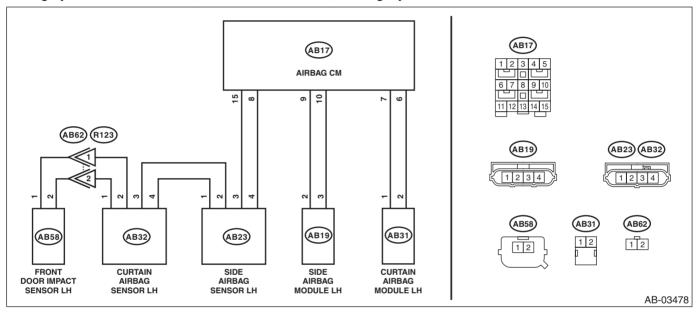
#### DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus LH.
- · Side airbag sensor LH is faulty.
- · Curtain airbag sensor LH is faulty.
- Front door impact sensor LH is faulty.
- Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1627 or B1628 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1637 or B1638 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1697 or B1698 displayed?	Perform the diagnosis according to DTC.	Go to step 4.
4	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the front door impact sensor LH.	Is there poor contact?	Replace the airbag rear harness and the door harness.	Go to step 5.

5 CHECK AIRBAG REAR HARNESS (BE-TWEEN AIRBAG CONTROL MODULE AID SIDE AIRBAG SENSOR LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB21) from unutain airbag module LH.  4) Disconnect the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB23) from the side airbag amodule LH.  8) Disconnect the connector (AB23) from the side airbag amodule LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  10) Connect the connector (AB23) from the side airbag sensor LH.  11) Disconnect the connector (AB23) from the side airbag sensor LH.  12) Connect the connector (AB23) from the side airbag sensor LH.  13) No. 1 — (AD3) No. 2:  14) The connector (AB23) from the side airbag sensor LH.  15) Check AIRBAG SENSOR LH).  16) Disconnect the connector (AB23) of side airbag sensor LH.  17) Disconnect the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) from the sent armses V to one connector (AB23) of side airbag sensor LH and the connector (AB23) from the sent armses V connector the connector (AB23) from the sent armses V.  1) Disconnect the connector (AB23) from the sent armses V.  2) Disconnect the connector (AB23) from the sent armses V.  2) Disconnect the connector (AB23) from the sent armses V.  2) Disconnect the connector (AB23) from the sent armses V.  2) Disconnect the conn		Step	Check	Yes	No
TWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR L.H).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner L.H.  3) Disconnect the connector (AB31) from curtain airbag module L.H.  5) Disconnect the connector (AB19) of the side airbag module L.H.  5) Disconnect the connector (AB, AB17, AB18), TO connect the connector (AB, AB17, AB18), Ton airbag control module.  6) Connect the connector (AB, AB17, AB18), TO connect the connector (AB, AB17, AB18), TO connect the connector (AB23) from the side airbag and the connector (AB23) from the side airbag sensor L.H.  9) Connect the connector (AB23) from the side airbag sensor L.H.  10) Measure the resistance between connector (3V) in the test harness AG.  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SONTROL MODULE AND SIDE AIRBAG SENSOR L.H).  Measure the resistance between connector (3V) in test harness V.  Connector & terminal (3V) No. 1 − CASSIS ground: (3V) No. 1 − CASSIS ground: (3V) No. 1 − CASSIS ground: (3V) No. 2 − Chassis Quality No. 2 − Chassis Chassis Chassis	5	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance less than 10	Go to step 6.	Replace the airbag
SIDE AIRBAG SENSOR LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB19) of the side airbag module LH.  4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connector (AB18) alto the test harness AI to the connector (AB4) hin the test harness AI and the connector (AB23) from the side airbag genore LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH and the orange connector (AB23) in the test harness AG.  6 CHECK AIRBAG REAR HARNESS (BE-TWEEN AIRBAG SENSOR LH).  7 CHECK AIRBAG SENSOR LH).  Measure the resistance between connector (AV) in the test harness AG.  7 CHECK AIRBAG SENSOR LH).  1) Disconnect the connector (CV) in the test harness AG and connector (AG20) in the test harness AG and the resistance between connector (AG20) in the test harness AG and the resistance between connector (AG20) in the test harness AG and the connector (AG20) of side airbag sensor LH.  7 CHECK AIRBAG REAR HARNESS (BE-TWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (AB23) of side airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (AV1) in the test harness AI.  3) Connect the connector (AB23) from curtain airbag sensor LH, and connect the connector (AB23).  5) Measure the resistance between connector (AB23).  5) Measure the resistance between connector (AB23).  5) Measure the resistance between connector (AB23).  6) Measure the resistance between connector (AB23).  6) Measure the resistance between connector (AB23).  7) Moder					
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connector (AB6 AB17, AB18) from airbag control module. 6) Connect the connector (AB6, AB17, AB18), 7) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23), 10) Measure the resistance between connector (AB6, Mo. 10 – (AV) No. 1: (SAG) No. 9 – (3V) No. 1: (SAG) No. 9 – (3V) No. 1: (SAG) No. 9 – (3V) No. 1: (SAG) No. 10 – (AV) No. 1: (SAG) No. 10 – (AV) No. 2: (SAG) No. 10 – (AV) N					
the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner U.H.  3) Disconnect the connector (AB19) of the side airbag module LH.  4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connector (AB19) in the test harness AH and the connector (AH) in the test harness AH in the connector (AH) in the test harness AH in the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connector & terminal (SAG) No. 10 – (31) No. 1: (SAG) No. 10 – (31) No. 10 – (31					willi body flamess.
onds or more. 2. Disconnect the connector (AB21) from seat belt prefensioner LH. 3. Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connector (AB19) of the side airbag module LH. 6) Connect the connector (AB19) in the test harness AH and the connector (AB19) in the test harness AH to the connector (AB19) in the test harness AH and the connector (AB19) from airbag connector (AB19), 7). Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23), 10) Measure the resistance between connector (AB23) in the test harness V. Connect the connector (AB23), 10) Measure the resistance between connector (AB23) in the test harness V. Connector & terminal (SAG) No. 10 – (3V) No. 1: (SAG) No. 9 – (3V) No. 2: (SAG) No. 9 – (3V) No. 2: (SAG) No. 10 –					
2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB31) from curtain airbag module LH.  4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connector (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) of airbag sensor LH.  9) Connect the connector (AB23) of airbag sensor LH.  9) Connector & terminal (SAG) No. 10 – (3/1) No. 1: (SAG) No. 10 – (3/1) No.					
belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airthag module LH. 4) Disconnect the connector (AB19) of the side airthag module LH. 5) Disconnect the connector (AB6, AB17, AB18). 7) Connect the connector (AB6, AB17, AB18). 7) Connect the connector (AB6, AB17, AB18). 7) Connect the connector (AB1) in the test harness AI and the connector (AB23) from the side airthag sensor LH. 9) Connect the connector (AB23) from the side airthag sensor LH. 9) Connect the connector (AB23). 10) Measure the resistance between connector (3V) in the test harness V to the connector (AB23). 10) Measure the resistance between connector (3V) in the test harness V. Connector & terminal (SAG) No. 9 – (3V) No. 1: (SAG) No. 9 – (3V) No. 2: (SAG) No. 9 – (3V) No. 2: (SAG) No. 9 – (3V) No. 2: (SAG) No. 1 – (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BE-TWEEN AIRBAG SENSOR LH). Measure the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 – (Abasis ground: (3V) No. 1 – (Abasis ground: (3V) No. 1 – (3V) No. 2:  CHECK AIRBAG SENSOR LH). 1) Disconnect the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (1A) in the test harness AI. 3) Connect the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the conne					
3) Disconnect the connector (AB31) from curtain airbag module UH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connector (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (AB6, AB17, AB18). 7) Connect the connector (AB6, AB17, AB18). 7) Connect the connector (AB6, AB17, AB18). 9) Connect the connector (AB23) from the side airbag sensor UH. 9) Connect the connector (AB23) from the side airbag sensor UH. 9) Connect the connector (AB23) from the side airbag sensor UH. 9) Connect the connector (AB23) of side airbag sensor UH. 9) Connector & terminal (SAG) No. 10 – (319) No. 2: 6 CHECK AIRBAG SENSOR LH) Measure the resistance between connector (37) in the lest harness V. Connector & terminal (31) No. 1 – Chassis ground; (31) No. 1 – (31) No. 2: 7 CHECK AIRBAG SENSOR LH) 1) Disconnect the connector (AB23) of side airbag sensor UH. 1) Disconnect the connector (AB23) of side airbag sensor UH. 1) Disconnect the connector (AB23) of side airbag sensor UH. 2) Connect the connector (AB23) of side airbag sensor UH. 3) Connect the connector (AB23) of side airbag sensor UH. 3) Connect the connector (AB23) of side airbag sensor UH. 3) Disconnect the connector (AB23) of side airbag sensor UH. 3) Connect the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connector (AB23) from cut-tain airbag sensor UH. and the connec					
tain airbag module LH.  4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (14H) in the test harness AH to the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23).  10) Measure the resistance between connector (3V) in the test harness V.  Connector & terminal (AGA) No. 10 – (AJV) No. 1: (SAG) No. 9 – (3V) No. 2:  CHECK AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in teststance between connector (3V) terminals.  Connector & terminal (3V) No. 1 – Chassis ground: (3V) No. 2 – Chassis are the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 2 – Chassis ground: (3V) No. 2 –		belt pretensioner LH.			
tain airbag module LH.  4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (14H) in the test harness AH to the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23).  10) Measure the resistance between connector (3V) in the test harness V.  Connector & terminal (AGA) No. 10 – (AJV) No. 1: (SAG) No. 9 – (3V) No. 2:  CHECK AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in teststance between connector (3V) terminals.  Connector & terminal (3V) No. 1 – Chassis ground: (3V) No. 2 – Chassis are the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 2 – Chassis ground: (3V) No. 2 –		3) Disconnect the connector (AB31) from cur-			
4) Disconnect the connector (AB19) of the side airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (AB6, AB17, AB18).  7) Connect the connector (AB6, AB17, AB18).  7) Connect the connector (AB23) in the test harness AH and the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (AB23) from the side airbag sensor LH.  9) Connect the st harness AG.  10) Measure the resistance between connector (SAG) in the test harness AG.  6) CHECK AIRBAG REAR HARNESS (BE-TWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground; (3V) No. 1 — (ASS) No. 10 — (Assiss ground: (3V) No. 1 — (ASSIS ground: (3V) No. 2 — (Assis ground: (ASSI) No. 2 — (Assis ground: (ASSI) No. 2 — (Assis ground: (ASSI) No. 2 — (ASSIS GREAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airba					
airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (AB1) in the test harness AH to the connector (AB1) in the test harness AH and the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23). 10) Measure the resistance between connector (SA3) in the test harness AV. Connector & terminal (SA6) No. 10 — (31) No. 1: (SA6) No. 10 — (31) No. 1					
5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AH) in the test harness AH to the connector (AB6, AB17, AB18). 7) Connect the connector (AB6, AB17, AB18). 7) Connect the connector (AB23) in the test harness AH and the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23). 10) Measure the resistance between connector (SAG) in the test harness AG and connector (SAG) in the test harness AG and connector (SAG) in the test harness AG and connector (SAG) No. 10 – (319 No. 1: (5AG) No. 10 – (319 No. 1: (319 No. 2 – Chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (319 No. 2 – Chassis ground: (319 No. 1 – (319 No. 2) – (		,			
AB18) from airbag control module.  (a) Connect the connector (AB6, AB17, AB18).  (b) Connect the connector (AB6, AB17, AB18).  (c) Connect the connector (AB7, AB18).  (c) Connect the connector (AB7) in the test harness AB.  (a) Disconnect the connector (AB23) from the side airbag sensor LH.  (c) Connect the connector (AB23).  (a) Disconnect the connector (AB23).  (b) Measure the resistance between connector (SAG) in the test harness V.  (c) Connector & terminal (SAG) No. 10 – (3I) No. 1:  (SAG) No. 10 – (3I) No. 2:  (SAG) No. 20 – (Chassis ground:  (SAG) No. 2					
6) Connect the connector (1AH) in the test harness AH to the connector (2AB, AB17, AB18), 7) Connect the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AH and the connector (2AH) in the test harness AG, 8) Disconnect the connector (AB23) from the side airbag sensor LH.  9) Connect the connector (2V) in the test harness V to the connector (2V) in the test harness V to the connector (2AG), 10) Measure the resistance between connector (3AG) in the test harness AG and connector (3AG) in the test harness AG and connector (3AG) in the test harness AG and connector (3AG) No. 9 — (3V) No. 1:  (5AG) No. 10 — (3V) No. 1:  (5AG) No. 10 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BE-TWEEN AIRBAG SENSOR LH).  Measure the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BE-TWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI and the connector (AB22) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V.  Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 5:					
ness AH to the connector (AB6, AB17, AB18). 7) Connect the connector (1AG) in the test harness AG. 8) Disconnect the connector (1AG2) from the side airbag sensor LH. 9) Connect the connector (2V) in the test harness AG. 10) Measure the resistance between connector (3V) in the test harness V to the connector (AB23). 10) Measure the resistance between connector (3V) in the test harness AG and connector (3V) in the test harness AG.  Connector & terminal (5AG) No. 10 – (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V and chassis ground: (3V) No. 1 – Chassis ground: (3V) No. 2 – (2V) No. 2:  7 CHECK AIRBAG SENSOR LH). 1) Disconnect the connector (AB23) of side airbag sensor LH and the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (1AD) in the test harness AI and the connector (2AD) in the test harness AI and the connector (AB23) of side airbag sensor LH, and connect the test harness AI. 3) Connect the connector (AB22) from curtain airbag sensor LH, and connect the connector (AB32). 5) Measure the resistance between connector (CV) in the test harness V. Connector & terminal (3V) No. 2 – (3V) No. 6:					
7) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG. 8) Disconnect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (2V) in the test harness V to the connector (2V) in the test harness V to the connector (2AG2). 10) Measure the resistance between connector (5AG) in the test harness V.  Connector & terminal (5AG) No. 10 – (3V) No. 1: (5AG) No. 10 – (3V) No. 2:  6					
ness AH and the connector (1AG) in the test harness AG. 8) Disconnect the connector (AB23) from the side airbag sensor LH. 9) Connect the resistance between connector (5AG) in the test harness V to the connector (AB23). 10) Measure the resistance between connector (3V) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). Measure the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3					
harness AG. 8) Disconnect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (AB23). 10) Measure the resistance between connector (3V) in the test harness V. Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (2V2) in the test harness V. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1V) in the test harness AI and the connector (2N) in the test harness AI. 3) Connect the connector (AB23) of side airbag sensor LH, and connect the test harness AI. 3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6:					
8) Disconnect the connector (AB23) from the side airbag sensor LH. 9) Connect the connector (2V) in the test harness V to the connector (AB23). 10) Measure the resistance between connector (5AG) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). Neasure the resistance between connector (3V) in test harness V and chassis ground; and the resistance between connector (3V) in test harness V and chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 1 — Chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 1 — Chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 1 — Chassis ground; (3V) No. 2 — Chassis ground; (3V) No. 3 — Chassis ground; (3V) No. 4 — Chassis ground; (3V) No. 5 — Chassis ground; (3V) No. 5 — Chassis ground; (3V) No. 6 — Chass		` ,			
side airbag sensor LH. 9) Connect the connector (2V) in the test harness V to the connector (2V) in the test harness V to the connector (5AG) in the test harness A G and connector (5AG) in the test harness A G and connector (3V) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2: (5AG) No. 9 — (5		harness AG.			
side airbag sensor LH. 9) Connect the connector (2V) in the test harness V to the connector (2V) in the test harness V to the connector (5AG) in the test harness A G and connector (5AG) in the test harness A G and connector (3V) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2: (5AG) No. 9 — (5		8) Disconnect the connector (AB23) from the			
9) Connect the connector (2V) in the test harness V to the connector (AB23).  10) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 2 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (1AB) in the test harness AI and the connector (2AI) in the test harness AI and the connector (AB23) from curtain airbag sensor LH, and connect the connector (AB22).  5) Measure the resistance between connector (AB22).  5) Measure the resistance between connector (AB23).  5) Measure the resistance between connector (AB23).  6 the resistance less than 10 and the connector (AB23) from curtain airbag sensor LH, and connect the connector (AB23).  6 the resistance less than 10 and the connector (AB23) from curtain airbag sensor LH, and connect the connector (AB23).  7 Check AIRBAG SENSOR AID CURTAIN AIRBAG S					
ness V to the connector (AB23).  10) Measure the resistance between connector (5AG) in the test harness V.  Connector & terminal (SAG) No. 10 — (3V) No. 1: (SAG) No. 10 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V and chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (1AB) in the test harness AI.  3) Connect the connector (AB23) of side airbag sensor LH, and connect the connector (1AB) in the test harness AI.  3) Connect the connector (AB23) of side airbag sensor LH, and connect the connector (1AB2) from curtain airbag sensor LH, and connect the connector (AB32).  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).  5) Measure the resistance between connector (AB32).  5) Measure the resistance between connector (AB32).  6 the resistance less than 10 Go to step 8.  Replace the airbag rear harness along with body harness with body harness along with body harness alon					
10) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness AG and connector (3V) in the test harness V.  Connector & terminal (5AG) No. 10—(3V) No. 1: (5AG) No. 10—(3V) No. 1: (5AG) No. 10—(3V) No. 1: (5AG) No. 10—(3V) No. 2:  6 CHECK AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1—Chassis ground: (3V) No. 2—Chassis ground: (3V) No. 2—Chassis ground: (3V) No. 2.  7 CHECK AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (1AD) in the test harness V from the connector (1AD) in the test harness AI and the connector (1AD) in the test harness AI and the connector (2AD) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (C2V) in test harness V.  4) Disconnect the resistance between connector (AB32).  5) Measure the resistance less than 10 Go to step 8. Replace the airbag rear harness along with body harness with body harness tharness V from curtain airbag sensor LH, and connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (AB32).  5) Measure the resistance between connector (AB32).  6) Measure the resistance less than 10 Go to step 8. Replace the airbag rear harness along with body harness with body harness very more?					
(5AG) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (2V) in the test harness V from the connector (1AI) in the test harness AI and the connector (2AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (3V) in test harness V to connect the connector (3V) in test harness V to connect the connector (3V) in test harness V to connector (3V) terminals in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (3V) in test harness V to connector (AB32) from curtain airbag sensor LH, and connect the connector (3V) in test harness V to connector (AB32) from curtain airbag sensor LH, and connect the connector (3V) in test harness V to connector (AB32). 5) Measure the resistance between connector (AB32). 5) Measure the resistance between connector (AB32). 6) Measure the resistance between connector (AB32). 7) Measure the resistance between connector (AB32). 8) Measure the resistance between connector (AB32). 8) Measure the resistance between connector (AB32). 9) Measure the resistance be					
(3V) in the test harness V.  Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 9 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 2) Connect the connector (2AI) in the test harness AI. 3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (CAS32). 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (CAS32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		•			
Connector & terminal (5AG) No. 10 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI and the connector (2V) in the test harness V.  3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (aB32).  3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (CV) in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
(5AG) No. 10 — (3V) No. 2:  6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V and chassis ground:  (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI. 3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to the connector (2B32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
SAG) No. 9 — (3V) No. 2:   CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG SENSOR LH).     Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.     Connector & terminal (3V) No. 1 — (3V) No. 2:   CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).     Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.     Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI and the connector (2AI) in the test harness V.     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connect the connector (2V) in the test harness V.     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).     Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (AB32).     Disconnect r (					
Sthe resistance 1 MΩ or more?					
TWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (4B23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (AB32) from curtain airbag sensor LH, and connect he connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
SIDE AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BE- TWEEN SIDE AIRBAG SENSOR AND CUR- TAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness AI. 3) Connect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connect R terminal (3V) No. 2 — (3V) No. 6:	6	•		Go to step 7.	
Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) termi- nals.  Connector & terminal (3V) No. 1 — (Chassis ground: (3V) No. 2 — (Chassis ground: (3V) No. 1 — (3V) No. 2:  THECK AIRBAG REAR HARNESS (BE- TWEEN SIDE AIRBAG SENSOR AND CUR- TAIN AIRBAG SENSOR LH).  Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.  Connect the connector (AB23) of side air- bag sensor LH and the connector (1AI) in the test harness AI. Connect the connector (1V) in the test har- ness AI and the connector (1V) in the test har- ness V. Disconnect the connector (AB32) from cur- tain airbag sensor LH, and connect the connec- tor (2V) in test harness V to connector (AB32). Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6:			more?		•
(3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  THECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (1AI) in the test harness AI and the connector (1AI) in the test harness AI and the connector (1V) in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connect (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		SIDE AIRBAG SENSOR LH).			with body harness.
the resistance between connector (3V) terminals.  Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BE-TWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V.  5) Measure the resistance less than 10 Go to step 8.  Replace the airbag rear harness along with body harness vith bod		Measure the resistance between connector			
nals.  Connector & terminal  (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (1AI) in the test harness AI. 3) Connect the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V.  5) Measure the resistance less than 10 Go to step 8.  Replace the airbag rear harness along with body harness along with body harness of the properties of the properties of the connector (1AI) in the test harness V.  (3) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		(3V) in test harness V and chassis ground, and			
nals.  Connector & terminal  (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (1AI) in the test harness AI. 3) Connect the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V.  5) Measure the resistance less than 10 Go to step 8.  Replace the airbag rear harness along with body harness along with body harness of the properties of the properties of the connector (1AI) in the test harness V.  (3) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		the resistance between connector (3V) termi-			
(3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6:					
(3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6:		Connector & terminal			
(3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
(3V) No. 1 — (3V) No. 2:  CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connect the connector (2V) in test harness V to connect (AB32).  Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
THECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.  2) Connect the connector (1AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connect (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance less than 10 Ω?  Replace the airbag rear harness along with body harness vith					
TWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:	_		la tha vasiatawaa laas thay 10	Ca ta atau 0	Dania aa tha airbaar
TAIN AIRBAG SENSOR LH).  1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:	<b>'</b>	•		Go to step 8.	
1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 4) Disconnect the connect (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:			Ω??		
harness V from the connector (AB23) of side airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		,			with body harness.
airbag sensor LH.  2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		harness V from the connector (AB23) of side			
2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:		airbag sensor LH.			
bag sensor LH and the connector (1AI) in the test harness AI.  3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal  (3V) No. 2 — (3V) No. 6:					
test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
ness AI and the connector (1V) in the test harness V.  4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
ness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
<ul> <li>4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).</li> <li>5) Measure the resistance between connector (3V) terminals in the test harness V.</li> <li>Connector &amp; terminal (3V) No. 2 — (3V) No. 6:</li> </ul>					
tain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32).  5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal  (3V) No. 2 — (3V) No. 6:					
tor (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
5) Measure the resistance between connector (3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
(3V) terminals in the test harness V.  Connector & terminal (3V) No. 2 — (3V) No. 6:					
Connector & terminal (3V) No. 2 — (3V) No. 6:		·			
(3V) No. 2 — (3V) No. 6:					
(3V) No. 1 — (3V) No. 7:					
		(3V) No. 1 — (3V) No. 7:			

	Step	Check	Yes	No
8	CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH).  Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V.  Connector & terminal  (3V) No. 2 — Chassis ground:  (3V) No. 1 — Chassis ground:  (3V) No. 1 — (3V) No. 2:	Is the resistance 1 $M\Omega$ or more?	Go to step 9.	Replace the airbag rear harness along with body harness.
9	CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND DOOR SENSOR LH).  1) Disconnect the connector (AB58) from the front door impact sensor LH, and connect the connector (1H) in the test harness H to connector (AB58).  2) Measure the resistance between connector (3V) in the test harness V and connector (3H) in the test harness H.  Connector & terminal  (3V) No. 4 — (3H) No. 5:  (3V) No. 5 — (3H) No. 6:		Go to step 10.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
10	CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND DOOR SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V.  Connector & terminal  (3V) No. 4 — Chassis ground:  (3V) No. 5 — Chassis ground:  (3V) No. 4 — (3V) No. 5:	Is the resistance 1 $M\Omega$ or more?	Go to step 11.	Check the door harness, and if any fault is found, replace the har- ness. If there is no fault, replace the airbag rear har- ness together with body harness.
11	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 12.	Go to step 15.
12	REPLACE SIDE AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the side airbag sensor LH. <ref. ab-54,="" airbag="" removal,="" sensor.="" side="" to="">  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Go to step 13.	Go to step 15.

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
13	REPLACE CURTAIN AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 sec- onds or more.  2) Replace the curtain airbag sensor LH. <ref. ab-56,="" airbag="" curtain="" removal,="" sensor.="" to=""> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Go to step 14.	Go to step 15.
14	REPLACE FRONT DOOR IMPACT SENSOR LH AND CHECK AIRBAG CONTROL MOD- ULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 sec- onds or more.  2) Replace the front door impact sensor LH. <ref. ab-52,="" door="" front="" impact="" removal,="" sensor.="" to="">  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 15.
15	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Perform the diagnosis according to DTC.	Finish the diagnosis.

# **AX:DTC B1650 OCCUPANT CLASSIFICATION SYSTEM MALFUNCTION**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1650. <Ref. to OD(diag)-19, DTC B1650 OCCU-PANT CLASSIFICATION SYSTEM MALFUNCTION, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# **AY:DTC B1655 FRONT BUCKLE SWITCH RH FAILURE**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1655. <Ref. to OD(diag)-21, DTC B1655 FRONT BUCKLE SWITCH RH FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

### AZ:DTC B1660 PASSENGER'S AIRBAG ON INDICATOR FAILURE

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

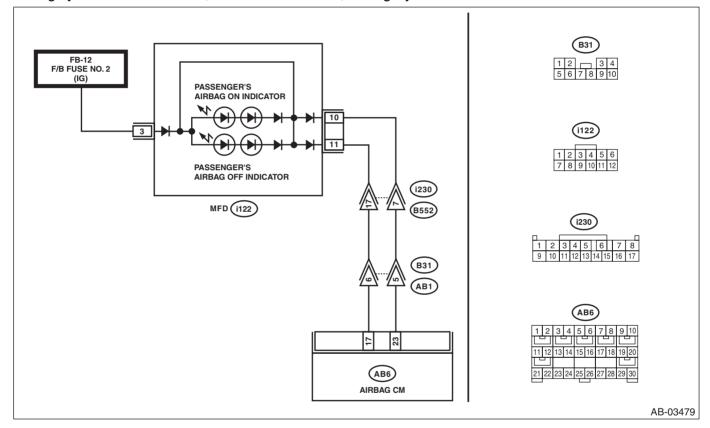
#### DTC DETECTING CONDITION:

- · Passenger's airbag indicator is faulty.
- · Airbag control module is faulty.
- · Airbag main harness circuit is open or shorted.
- Body harness circuit is open.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK FOR POOR CONTACT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Check that the connector between the airbag control module and MFD is securely connected.	Is there poor contact of any connector?	Repair the bulk- head harness. Or replace the airbag main harness along with body harness.	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS.  1) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  2) Connect the battery ground terminal and turn the ignition switch to ON.  NOTE:  Neither of ON/OFF illuminates when it is normal.	Does the passenger's airbag indicator illuminate?	Go to step 3.	Go to step 4.

	Ston	Chask	Voc	No
	Step Step Step Step Step Step Step Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the MFD and disconnect the connector (i122).  3) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  5) Measure the resistance between connector (2AG) in the test harness AG and chassis ground.  Connector & terminal (2AG) No. 9 — (2AG) No. 8: (2AG) No. 9 — Chassis ground: (2AG) No. 8 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Replace the MFD. <ref. (mfd).="" display="" function="" idi-20,="" multi-="" removal,="" to=""></ref.>	Repair the bulk- head harness. Or replace the airbag main harness along with body harness.
4	CHECK AIRBAG MAIN HARNESS.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AH) in the test harness AH.  3) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  4) Connect the connectors (7AG) and (8AG) in the test harness AG.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the passenger's airbag indicator illuminate?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK AIRBAG MAIN HARNESS.	Is the resistance less than 10 $\Omega$ ?	Go to step 6.	Repair the bulk- head harness. Or replace the airbag main harness along with body harness.
6	CHECK BODY HARNESS.  1) Turn the ignition switch to ON. 2) Measure the voltage between connector (i122) and chassis ground.  Connector & terminal  (i122) No. 3 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Replace the MFD. <ref. idi-20,<br="" to="">REMOVAL, Multi- function Display (MFD).&gt;</ref.>	Check the power supply circuit of MFD.

AIRBAG SYSTEM (DIAGNOSTICS)

# **BA:DTC B1675 SATELLITE SAFING SENSOR FAILURE**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# DTC DETECTING CONDITION:

- Satellite safing sensor is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE SATELLITE SAFING SENSOR.	Does the warning light go off?	Finish the diagno-	Replace the airbag
	<ol> <li>Turn the ignition switch to OFF, disconnect</li> </ol>		sis.	control module.
	the battery ground cable, and wait for 60 sec-			<ref. ab-48,<="" th="" to=""></ref.>
	onds or more.			REMOVAL, Airbag
	2) Replace the satellite safing sensor with a			Control Module.>
	genuine sensor. <ref. ab-58,="" removal,<="" th="" to=""><th></th><th></th><th></th></ref.>			
	Satellite Safing Sensor.>			

### **BB:DTC B1676 LOST COMMUNICATION WITH SATELLITE SAFING SENSOR**

#### NOTE:

For details on DTC B1676, refer to DTC B1677. <Ref. to AB(diag)-77, DTC B1677 SATELLITE SAFING SENSOR INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>

# **BC:DTC B1677 SATELLITE SAFING SENSOR INITIALIZATION INCOMPLETE**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

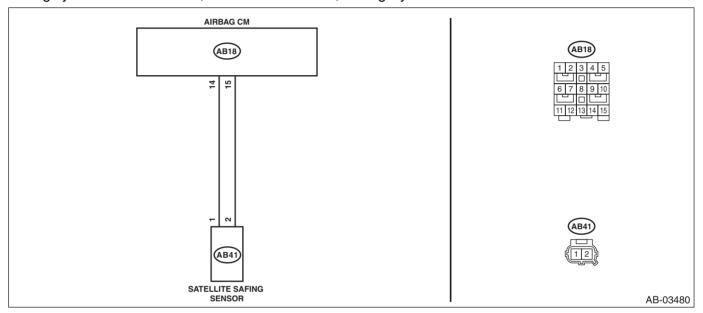
#### **DTC DETECTING CONDITION:**

- Open or short circuit in harness of satellite safing sensor.
- · Satellite safing sensor is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.	•	Replace the airbag rear harness along	•
	Check for poor contact of the connectors (AB18, AB41) between the airbag control mod-		with body harness.	
	ule and the satellite safing sensor.			

	Step	Check	Yes	No
2	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance less than 10	Go to step 3.	Replace the airbag
_	TWEEN AIRBAG CONTROL MODULE AND	$\Omega$ ?	do to stop <b>o</b> .	rear harness along
	SATELLITE SAFING SENSOR).			with body harness.
	Turn the ignition switch to OFF, disconnect			With Body Harricoon
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Disconnect the connectors (AB21, AB26)			
	from seat belt pretensioner.			
	3) Disconnect the connectors (AB31, AB33)			
	from curtain airbag module.			
	Disconnect connectors (AB19) and (AB24)			
	from the side airbag module.			
	5) Disconnect the connectors (AB6, AB17,			
	AB18) from airbag control module.			
	6) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	7) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	8) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	9) Disconnect the connector (AB41) from the			
	satellite safing sensor and connect to the test			
	harness H connector (1H).			
	10) Measure the resistance between connec-			
	tors (5AG) and (4AG) in the test harness AG			
	and connector (3H) in the test harness H.			
	Connector & terminal			
	(4AG) No. 5 — (3H) No. 5:			
	(5AG) No. 13 — (3H) No. 6:			
3	CHECK AIRBAG REAR HARNESS (BE-	Is the resistance 1 $M\Omega$ or	Go to step 4.	Replace the airbag
	TWEEN AIRBAG CONTROL MODULE AND	more?		rear harness along
	SATELLITE SAFING SENSOR).			with body harness.
	Measure the resistance between connector in			
	the test harness AG and chassis ground, and			
	the resistance between connector terminals in			
	the test harness AG.			
	Connector & terminal			
	(4AG) No. 5 — Chassis ground:			
	(5AG) No. 13 — Chassis ground:			
	(4AG) No. 5 — (5AG) No. 13:			
4	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Replace the satel-	Go to step 5.
	<ol> <li>Connect all connectors.</li> </ol>		lite safing sensor.	
	2) Clear the memory.		<ref. ab-58,<="" th="" to=""><th></th></ref.>	
	<ol><li>Perform the Inspection Mode.</li></ol>		REMOVAL, Satel-	
	4) Read the DTC. (Current malfunction)		lite Safing Sen-	
			sor.> Replace the	
			airbag control	
			module if not oper-	
			ating normally	
			even after replac-	
			ing the sensor.	
			<ref. ab-48,<="" th="" to=""><th></th></ref.>	
			REMOVAL, Airbag	
			Control Module.>	

Step	Check	Yes	No
5 CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	

# **BD:DTC B16F8 SATELLITE SAFING SENSOR RECOGNITION ERROR**

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- Satellite safing sensor is misinstalled.
- Airbag control module is faulty.

Step	Check	Yes	No
<ol> <li>REPLACE SATELLITE SAFING SENSOR.</li> <li>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>Replace the satellite safing sensor with a genuine sensor. <ref. ab-58,="" removal,="" safing="" satellite="" sensor.="" to=""></ref.></li> </ol>	Does the warning light go off?	sis.	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

# **BE:DTC B16F9 DOOR SENSOR RH RECOGNITION ERROR**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

## DTC DETECTING CONDITION:

- Front door impact sensor RH is misinstalled.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE FRONT DOOR IMPACT SENSOR RH.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the front door impact sensor RH with a genuine sensor. <ref. ab-52,="" door="" front="" impact="" removal,="" sensor.="" to=""></ref.>	Does the warning light go off?	sis.	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

# BF:DTC B1690 DOOR SENSOR RH FAILURE

## **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

Front door impact sensor RH is faulty.

If DTC B1690 is displayed, the circuit within the front door impact sensor RH is faulty.

Replace the front door impact sensor RH. <Ref. to AB-52, REMOVAL, Front Door Impact Sensor.>

# **BG:DTC B1692 LOST COMMUNICATION WITH DOOR SENSOR RH**

#### NOTE:

For details on DTC B1692, refer to DTC B1693. <Ref. to AB(diag)-81, DTC B1693 DOOR SENSOR RH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>

# **BH:DTC B1693 DOOR SENSOR RH INITIALIZATION INCOMPLETE**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

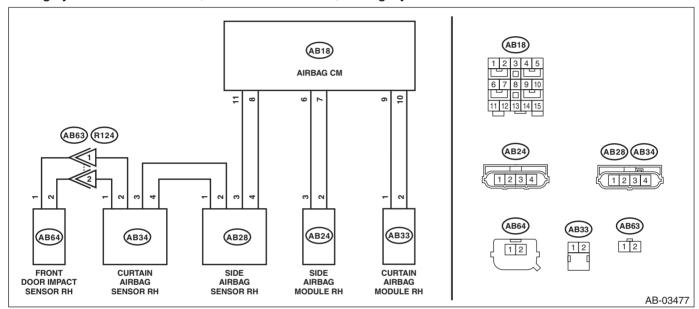
# DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus RH.
- Front door impact sensor RH is faulty.
- · Curtain airbag sensor RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1622 or B1623 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1632 or B1633 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the front door impact sensor RH.	Is there poor contact?	Replace the airbag rear harness and the door harness.	Go to step 4.

	Step	Check	Yes	No
4	CHECK AIRBAG REAR HARNESS AND	Is the resistance less than 10	Go to step 5.	Check the door
7	DOOR HARNESS (BETWEEN CURTAIN AIR-		do to step 3.	harness, and if any
	BAG SENSOR RH AND DOOR SENSOR RH).	22:		fault is found,
	Turn the ignition switch to OFF, disconnect			replace the har-
	the battery ground cable, and wait for 60 sec-			ness. If there is no
	onds or more.			fault, replace the
	<ul><li>2) Disconnect the connector (AB26) from seat</li></ul>			airbag rear har-
	belt pretensioner RH.			ness together with
	3) Disconnect the connector (AB33) from cur-			body harness.
	tain airbag module RH.			body namess.
	4) Disconnect the connector (AB24) from side			
	airbag module RH.			
	5) Disconnect the connector (AB34) from cur-			
	tain airbag sensor (RH), and connect the con-			
	nector (2V) in test harness V to connector			
	(AB34).			
	6) Disconnect the connector (AB64) from the			
	front door impact sensor RH, and connect the			
	connector (1H) in the test harness H to connec-			
	tor (AB64).			
	7) Measure the resistance between connector			
	(3V) in the test harness V and connector (3H) in			
	the test harness H.			
	Connector & terminal			
	(3V) No. 4 — (3H) No. 5:			
	(3V) No. 5 — (3H) No. 6:			
_		la tha masiatamas d MO an	0-440	01
5	CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIR-	Is the resistance 1 $M\Omega$ or more?	Go to step 6.	Check the door
	BAG SENSOR RH AND DOOR SENSOR RH).	more?		harness, and if any
	Measure the resistance between connector			fault is found, replace the har-
				ness. If there is no
	(3V) in test harness V and chassis ground, and			
	the resistance between connector (3V) terminals in test harness V.			fault, replace the
	Connector & terminal			airbag rear har-
	(3V) No. 4 — Chassis ground:			ness together with
	(3V) No. 4 — Chassis ground: (3V) No. 5 — Chassis ground:			body harness.
	(3V) No. 4 — (3V) No. 5:			
•	CHECK AIRBAG CONTROL MODULE.	le the come DTC displayed?	Co to oton 7	Co to otom 0
6		Is the same DTC displayed?	Go to step 7.	Go to step 9.
	Connect all connectors.     Clear the memory.			
	Clear the memory.     Porform the Inspection Mode.			
	3) Perform the Inspection Mode.			
_	4) Read the DTC. (Current malfunction)	La Mara a series DTO 11 1 10	0-442	0-112
7	REPLACE FRONT DOOR IMPACT SENSOR	Is the same DTC displayed?	Go to step 8.	Go to step 9.
	RH AND CHECK AIRBAG CONTROL MOD-			
	ULE AFTER REPLACEMENT.			
	1) Turn the ignition switch to OFF, disconnect			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	2) Replace the front door impact sensor RH.			
	<ref. ab-52,="" door="" front="" impact<="" removal,="" th="" to=""><th></th><th></th><th></th></ref.>			
	Sensor.>			
	3) Connect all connectors.			
	4) Clear the memory.			
	5) Perform the Inspection Mode.			
	6) Read the DTC. (Current malfunction)			

	Step	Check	Yes	No
8	REPLACE CURTAIN AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 sec- onds or more.  2) Replace the curtain airbag sensor RH. <ref. ab-56,="" airbag="" curtain="" removal,="" sensor.="" to="">  3) Connect all connectors.  4) Clear the memory.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 9.
9	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code". <ref. (dtc).="" 33,="" ab(diag)-="" code="" diagnostic="" list="" list,="" of="" to="" trouble=""></ref.>	Finish the diagnosis.

AIRBAG SYSTEM (DIAGNOSTICS)

# **BI: DTC B16FA LOST COMMUNICATION WITH DOOR SENSOR LH**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- Front door impact sensor LH is misinstalled.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

	Step	Check	Yes	No
1	REPLACE FRONT DOOR IMPACT SENSOR LH.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Replace the front door impact sensor LH with a genuine sensor. <ref. ab-52,="" door="" front="" impact="" removal,="" sensor.="" to=""></ref.>	Does the warning light go off?	sis.	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>

## **BJ:DTC B1695 DOOR SENSOR LH FAILURE**

## **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

Front door impact sensor LH is faulty.

If DTC AB is displayed, the circuit within the front door impact sensor LH is faulty. Replace the front door impact sensor LH. <Ref. to AB-52, REMOVAL, Front Door Impact Sensor.>

# **BK:DTC B1697 LOST COMMUNICATION WITH DOOR SENSOR LH**

#### NOTE:

Refer to DTC B1697 for details on DTC B1698. <Ref. to AB(diag)-85, DTC B1698 DOOR SENSOR LH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>

# **BL:DTC B1698 DOOR SENSOR LH INITIALIZATION INCOMPLETE**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

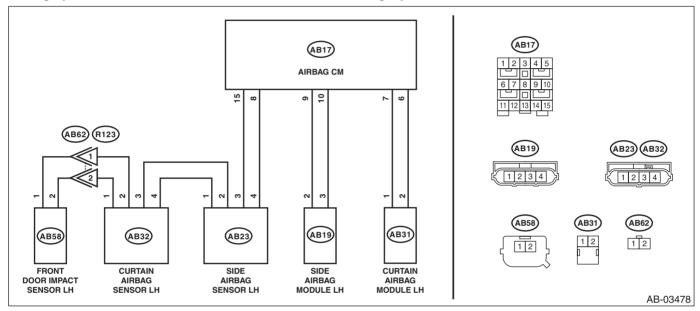
## DTC DETECTING CONDITION:

- Open or short circuit in harness of side sensor bus LH.
- Front door impact sensor LH is faulty.
- · Curtain airbag sensor LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK DTC. Read the DTC. (Current malfunction)	Is DTC B1627 or B1628 displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2		Is DTC B1637 or B1638 displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the front door impact sensor LH.	Is there poor contact?	Replace the airbag rear harness and the door harness.	Go to step 4.

	Step	Check	Yes	No
4	CHECK AIRBAG REAR HARNESS AND	Is the resistance less than 10	Go to step 5.	Check the door
	DOOR HARNESS (BETWEEN CURTAIN AIR-	$\Omega$ ?		harness, and if any
	BAG SENSOR LH AND FRONT DOOR IM-			fault is found,
	PACT SENSOR LH).			replace the har-
	Turn the ignition switch to OFF, disconnect			ness. If there is no
	the battery ground cable, and wait for 60 sec-			fault, replace the
	onds or more.			airbag rear har-
	<ul><li>2) Disconnect the connector (AB21) from seat</li></ul>			ness together with
	belt pretensioner LH.			body harness.
	3) Disconnect the connector (AB31) from cur-			body namess.
	tain airbag module LH.			
	4) Disconnect the connector (AB19) from side			
	airbag module LH.			
	5) Disconnect the connector (AB32) from cur-			
	tain airbag sensor LH, and connect the connec-			
	tor (2V) in test harness V to connector (AB32).			
	6) Disconnect the connector (AB58) from the			
	front door impact sensor LH, and connect the			
	connector (1H) in the test harness H to connec-			
	tor (AB58).			
	7) Measure the resistance between connector			
	(3V) in the test harness V and connector (3H) in			
	the test harness H.			
	Connector & terminal			
	(3V) No. 4 — (3H) No. 5:			
	(3V) No. 5 — (3H) No. 6:			
5	CHECK AIRBAG REAR HARNESS AND	Is the resistance 1 M $\Omega$ or	Go to step 6.	Check the door
١	DOOR HARNESS (BETWEEN CURTAIN AIR-		αο το στορ <b>σ</b> .	harness, and if any
	BAG SENSOR LH AND FRONT DOOR IM-	more:		fault is found,
	PACT SENSOR LH).			replace the har-
	Measure the resistance between connector			ness. If there is no
	(3V) in test harness V and chassis ground, and			fault, replace the
	the resistance between connector (3V) termi-			airbag rear har-
	nals in test harness V.			ness together with
	Connector & terminal			body harness.
	(3V) No. 4 — Chassis ground:			body narriods.
	(3V) No. 5 — Chassis ground:			
	(3V) No. 4 — (3V) No. 5:			
6	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Go to step 7.	Go to step 9.
	Connect all connectors.			G.G. 10 G.GP G.
	2) Clear the memory.			
	3) Perform the Inspection Mode.			
	4) Read the DTC. (Current malfunction)			
7	REPLACE FRONT DOOR IMPACT SENSOR	Is the same DTC displayed?	Go to step 8.	Go to step 9.
[	LH AND CHECK AIRBAG CONTROL MOD-	lo ano camo o no diopiayeu:	33 to 5top <b>6</b> .	33 to stop <b>3</b> .
	ULE AFTER REPLACEMENT.			
	Turn the ignition switch to OFF, disconnect			
	the battery ground cable, and wait for 60 sec-			
	onds or more.			
	Replace the front door impact sensor LH.			
	<ref. ab-52,="" door="" front="" impact<="" removal,="" th="" to=""><th></th><th></th><th></th></ref.>			
	Sensor.>			
	3) Connect all connectors.			
	4) Clear the memory.			
	<ul><li>5) Perform the Inspection Mode.</li></ul>			
	6) Read the DTC. (Current malfunction)			
	o, riedu the Dro. (Ourrent manunction)			

	Step	Check	Yes	No
8	REPLACE CURTAIN AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 sec- onds or more.  2) Replace the curtain airbag sensor LH. <ref. ab-56,="" airbag="" curtain="" removal,="" sensor.="" to=""> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)</ref.>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 9.
9	CHECK FOR ANY OTHER DTC ON DISPLAY. Read the DTC. (Current malfunction)	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code". <ref. (dtc).="" 33,="" ab(diag)-="" code="" diagnostic="" list="" list,="" of="" to="" trouble=""></ref.>	Finish the diagnosis.

# BM:DTC B161A LOST COMMUNICATION WITH FRONT SATELLITE SENSOR BUS

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

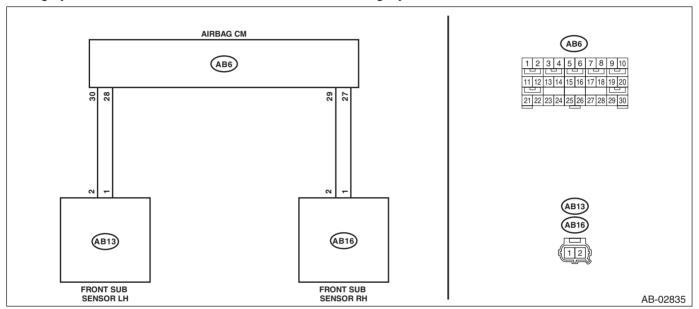
# **DTC DETECTING CONDITION:**

- Harness between airbag control module and front sub sensor is open or shorted.
- Front sub sensor is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

## WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		main harness	
	Check for poor contact of the connectors		along with body	
	between the airbag control module and the front		harness.	
	sub sensor.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance less than 10	Go to step 3.	Replace the airbag
	SENSOR BUS LH).	Ω?		main harness
	1) Turn the ignition switch to OFF, disconnect			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	2) Remove the instrument panel lower cover			
	and column cover, and disconnect the connec-			
	tors (AB7) and (AB2).			
	3) Remove the console front panel and discon-			
	nect the connector (AB9).			
	4) Disconnect the connectors (AB6, AB17,			
	AB18) from airbag control module.			
	5) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	6) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	7) Disconnect the connector (AB13) from the			
	front sub sensor LH, and then connect the con-			
	nector (1H) in the test harness H to connector (AB13).			
	8) Measure the resistance between connector			
	(4AG) in the test harness AG and connector			
	(3H) in the test harness H.			
	Connector & terminal			
	(4AG) No. 7 — (3H) No. 5:			
	(4AG) No. 9 — (3H) No. 6:			
3	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance 1 M $\Omega$ or	Go to step 4.	Replace the airbag
	SENSOR BUS LH).	more?	·	rear harness along
	Measure the resistance between connector			with body harness.
	(4AG) in the test harness AG and chassis			
	ground, and the resistance between connector			
	(4AG) terminals in the test harness AG.			
	Connector & terminal			
	(4AG) No. 7 — Chassis ground:			
	(4AG) No. 9 — Chassis ground:			
	(4AG) No. 7 — (4AG) No. 9:			
4	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance less than 10	Go to step <b>5</b> .	Replace the airbag
	SENSOR BUS RH).	$\Omega$ ?		main harness
	1) Disconnect the connector (AB16) from the			along with body
	front sub sensor RH, and then connect the con- nector (1H) in the test harness H to connector			harness.
	(AB16).			
	<ul><li>2) Measure the resistance between connector</li></ul>			
	(4AG) in the test harness AG and connector			
	(3H) in the test harness H.			
	Connector & terminal			
	(4AG) No. 14 — (3H) No. 5:			
	(4AG) No. 12 — (3H) No. 6:			
5	CHECK AIRBAG MAIN HARNESS (FRONT	Is the resistance 1 $M\Omega$ or	Go to step 6.	Replace the airbag
	SENSOR BUS RH).	more?		rear harness along
	Measure the resistance between connector			with body harness.
	(4AG) in the test harness AG and chassis			
	ground, and the resistance between connector			
	(4AG) terminals in the test harness AG.			
	Connector & terminal			
	(4AG) No. 12 — Chassis ground:			
	(4AG) No. 14 — Chassis ground:			
	(4AG) No. 12 — (4AG) No. 14:			

	Step	Check	Yes	No
6	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the front sub sensor LH and front sub sensor RH. <ref. ab-<br="" to="">50, REMOVAL, Front Sub Sen- sor.&gt; Replace the airbag control module if not oper- ating normally even after replac- ing the sensor. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.></ref.>	Go to step 7.
7	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code". <ref. (dtc).="" 33,="" ab(diag)-="" code="" diagnos-="" list="" of="" tic="" to="" trouble=""></ref.>	Finish the diagnosis.

# **BN:DTC B16F1 PASSENGER'S SEAT BELT WARNING FAILURE**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

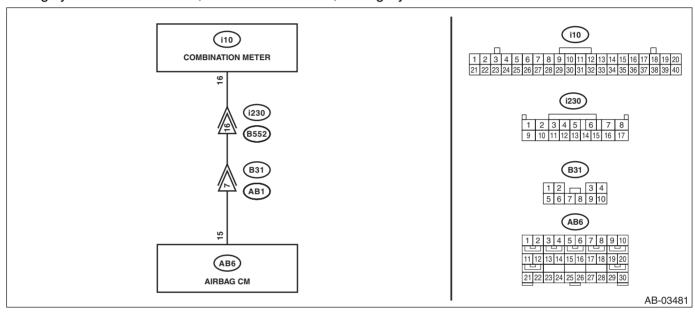
# **DTC DETECTING CONDITION:**

- · Airbag control module is faulty.
- Meter is faulty.
- Harness circuits between meter and airbag control module are open, shorted or shorted to ground.

## **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK AIRBAG HARNESS.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  3) Connect the battery ground terminal and turn the ignition switch to ON.	Does the passenger's seat belt warning light blink for 6 sec- onds and go off?	Go to step 3.	Go to step 2.
2	CHECK AIRBAG HARNESS.  1) Turn the ignition switch to OFF.  2) Connect the connector (1AH) in the test harness AH to the connectors (AB6, AB17, AB18).  3) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  4) Measure the resistance between connector (2AG) in the test harness AG and chassis ground.  Connector & terminal (2AG) No. 10 — Chassis ground:			Repair the bulk- head harness and instrument panel harness. Or replace the airbag main harness along with body harness.

#### AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
3	CHECK AIRBAG HARNESS.  1) Turn the ignition switch to OFF.  2) Connect the connector (1AH) in the test harness AH to the connectors (AB6, AB17, AB18).  3) Connect the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  4) Connect the connectors (7AG) and (8AG) in the test harness AG.  5) Turn the ignition switch to ON.	go off?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 4.
4	CHECK AIRBAG HARNESS.  1) Turn the ignition switch to OFF.  2) Disconnect the connectors (7AG) and (8AG) in the test harness AG in the condition of step 3.  3) Disconnect the connector (i10) from meter.  4) Measure the resistance between connector (2AG) in the test harness AG and connector (i84).  Connector & terminal (2AG) No. 10 — (i10) No. 16:	Is the resistance less than 10 $\Omega$ ?	Replace the meter. <ref. idi-13,<br="" to="">REMOVAL, Com- bination Meter.&gt;</ref.>	Repair the bulk- head harness and instrument panel harness. Or replace the airbag main harness along with body harness.

# **BO:DTC B16F0 PASSENGER'S AIRBAG OFF INDICATOR FAILURE**

#### NOTE:

For details on DTC B16F0, refer to DTC B1660. <Ref. to AB(diag)-74, DTC B1660 PASSENGER'S AIRBAG ON INDICATOR FAILURE, Diagnostic Chart with Trouble Code.>

# **BP:DTC B1760 SENSOR MAT ABNORMAL**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1760. <Ref. to OD(diag)-22, DTC B1760 SEN-SOR MAT ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# **BQ:DTC B1761 SENSOR MAT LIQUID COATING ABNORMAL**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1761. <Ref. to OD(diag)-23, DTC B1761 SEN-SOR MAT LIQUID COATING ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# **BR:DTC B1771 BUCKLE SWITCH ABNORMAL**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1771. <Ref. to OD(diag)-23, DTC B1771 BUCK-LE SWITCH ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# **BS:DTC B1795 ECU INTERNAL CIRCUIT FAULT**

#### NOTE:

Refer to "Occupant Detection System" for details on DTC B1795. <Ref. to OD(diag)-23, DTC B1795 ECU INTERNAL CIRCUIT FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

# BT:DTC B1800 SHORT IN DRIVER'S AIRBAG

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted.
- Airbag module harness (driver's side) circuit is shorted.
- Roll connector circuit is shorted.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

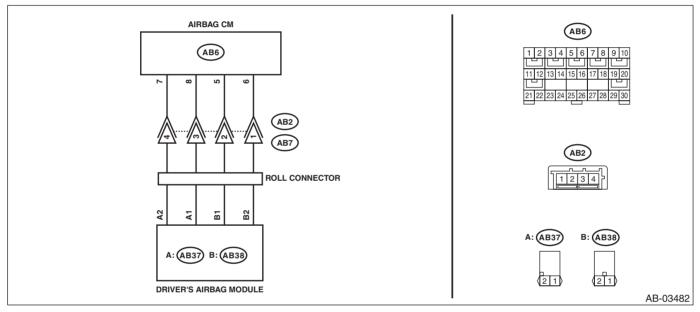
#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the console front panel and disconnect the connector (AB9).  3) Disconnect the driver's knee airbag module connector (AB66).  4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (2Q) terminals in test harness Q.  Connector & terminal (2Q) No. 1 — (2Q) No. 2:	Is the resistance 1 $M\Omega$ or more?	Go to step 5.	Go to step 4.
4	CHECK AIRBAG MAIN HARNESS (DRIV- ER'S AIRBAG HARNESS).  1) Remove the instrument panel lower cover and column cover, and disconnect the connec- tor (AB7) from (AB2).  2) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 1 — (3AG) No. 3:	Is the resistance 1 MΩ or more?	Replace the roll connector. <ref. to<br="">AB-60, Roll Con- nector.&gt;</ref.>	Replace the airbag main harness along with body harness.
5	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 6.
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# **BU:DTC B1801 OPEN IN DRIVER'S AIRBAG**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is open.
- Airbag module harness (driver's side) circuit is open.
- Roll connector is open.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

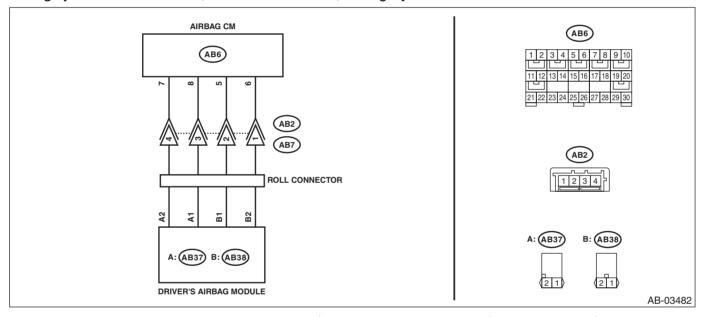
#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the console front panel and disconnect the connector (AB9).  3) Disconnect the driver's knee airbag module connector (AB66).  4) Disconnect the airbag resistor from the connector (2N) in test harness N.  5) Disconnect the airbag resistor from the connector (2Q) of test harness Q.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Measure the resistance between connector (2Q) terminals in test harness Q.  Connector & terminal (2Q) No. 1 — (2Q) No. 2:  CHECK ROLL CONNECTOR.  1) Remove the instrument panel lower cover	Is the resistance less than 10 $\Omega$ ?	Go to step 5.  Replace the airbag main harness	Replace the roll connector, <ref. th="" to<=""></ref.>
	<ul> <li>and column cover, and disconnect the connector (AB7) from (AB2).</li> <li>2) Measure the resistance between connector (2Q) terminals in test harness Q.</li> <li>Connector &amp; terminal (2Q) No. 1 — (2Q) No. 2:</li> </ul>		along with body harness.	AB-60, Roll Connector.>
5	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 6.
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# **BV:DTC B1802 SHORT IN DRIVER'S AIRBAG (TO GROUND)**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to ground.
- Airbag module harness (driver's side) circuit is shorted to ground.
- Roll connector circuit is shorted to ground.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

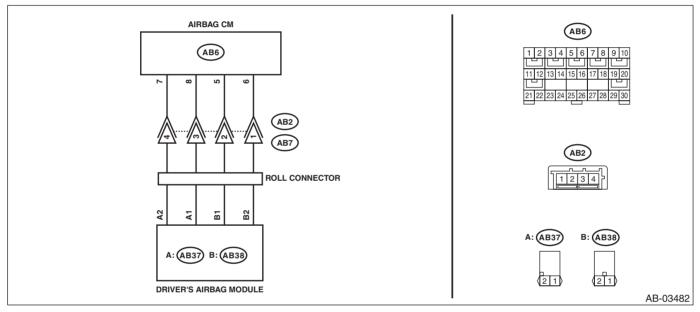
#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK ROLL CONNECTOR.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  3) Disconnect the driver's knee airbag module connector (AB66).  4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q.  5) Measure the resistance between connector (2Q) in the test harness Q and chassis ground.  Connector & terminal  (2Q) No. 1 — Chassis ground:  (2Q) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the roll connector. <ref. to<br="">AB-60, Roll Con- nector.&gt;</ref.>
4	CHECK AIRBAG MAIN HARNESS (DRIV-ER'S AIRBAG HARNESS).  1) Disconnect the test harness N from connector (AB38).  2) Disconnect the test harness Q from connector (AB37).  3) Remove the console front panel and disconnect the connector (AB9).  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  7) Measure the resistance between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 1 — Chassis ground:  (3AG) No. 3 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Go to step 5.	Replace the airbag main harness along with body harness.
5	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 6.
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

# BW:DTC B1803 SHORT IN DRIVER'S AIRBAG (TO +B)

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to power supply.
- · Airbag module harness (driver's side) circuit is shorted to power supply.
- Roll connector circuit is shorted to power supply.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

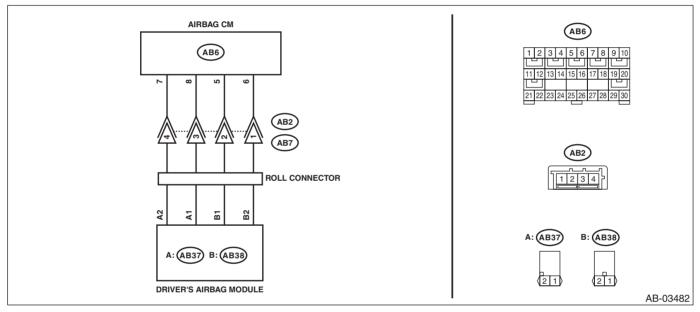
#### CAUTION:

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK ROLL CONNECTOR.	Is the voltage less than 1 V?	Go to step 4.	Replace the roll
	1) Turn the ignition switch to OFF, disconnect	3	'	connector. <ref. th="" to<=""></ref.>
	the battery ground cable, and wait for 60 sec-			AB-60, Roll Con-
	onds or more.			nector.>
	2) Remove the instrument panel lower cover			
	and column cover, and disconnect the connec-			
	tor (AB7) from (AB2).			
	3) Disconnect the driver's knee airbag module			
	connector (AB66). 4) Disconnect the airbag resistor from the con-			
	nector (2N) in test harness N and from the con-			
	nector (2Q) in test harness Q.			
	5) Measure the voltage between connector			
	(2Q) in the test harness Q and chassis ground.			
	Connector & terminal			
	(2Q) No. 1 (+) — Chassis ground (–):			
	(2Q) No. 2 (+) — Chassis ground (–):			
4	CHECK AIRBAG MAIN HARNESS (DRIV-	Is the voltage less than 1 V?	Go to step 5.	Replace the airbag
	ER'S AIRBAG HARNESS).			main harness
	1) Disconnect the test harness N from connec-			along with body
	tor (AB38).			harness.
	2) Disconnect the test harness Q from connection (A ROZ)			
	tor (AB37).			
	<ol> <li>Remove the console front panel and disconnect the connector (AB9).</li> </ol>			
	<ul><li>4) Disconnect the connectors (AB6, AB17,</li></ul>			
	AB18) from airbag control module.			
	5) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	6) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test			
	harness AG.			
	<ol><li>Connect the battery ground terminal and</li></ol>			
	turn the ignition switch to ON.			
	8) Measure the voltage between connector			
	(3AG) in the test harness AG and chassis			
	ground.  Connector & terminal			
	(3AG) No. 1 (+) — Chassis ground (–):			
	(3AG) No. 3 (+) — Chassis ground (-):			
5	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Replace the airbag	Go to step 6.
	Connect all connectors.	2 200 2 2 200 2 200	control module.	
	2) Clear the memory.		<ref. ab-48,<="" th="" to=""><th></th></ref.>	
	3) Perform the Inspection Mode.		Airbag Control	
	4) Read the DTC. (Current malfunction)		Module.>	
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using	Finish the diagno-
			"List of Diagnostic	sis.
			Trouble Code	
			(DTC)". <ref. th="" to<=""><th></th></ref.>	
			AB(diag)-33, List	
			of Diagnostic Trou-	
			ble Code (DTC).>	

# **BX:DTC B1805 SHORT IN PASSENGER'S AIRBAG**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

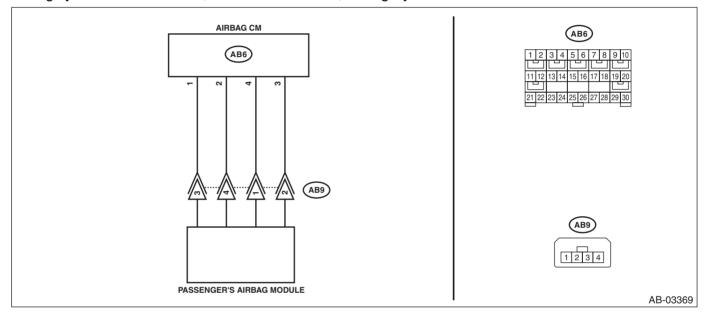
# **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted.
- Airbag module harness circuit (passenger's side) is shorted.
- Passenger's airbag module is faulty.
- · Airbag control module is faulty.

# **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
Γ	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
L	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSEN-	Is the resistance 1 M $\Omega$ or	Go to step 3.	Replace the airbag
	GER'S AIRBAG HARNESS).	more?	GIO TO GIOP CI	main harness
	1) Turn the ignition switch to OFF, disconnect			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	2) Disconnect the connectors (AB7) and			
	(AB2).			
	3) Disconnect the connector (AB66) from the			
	driver's knee airbag module.			
	4) Disconnect the connectors (AB6, AB17,			
	AB18) from the airbag control module, connect			
	the connector (1AH) in the test harness AH, and			
	release the short mechanism of the connectors			
	(AB6, AB17, AB18).			
	5) Disconnect the passenger's airbag module			
	connector (AB9).			
	6) Using a probe, measure the resistance			
	between the terminals of connector (AB9).			
	<ref. ab(diag)-16,="" how="" probe,<="" th="" to="" use=""><th></th><th></th><th></th></ref.>			
	PREPARATION TOOL, General Description.>			
	CAUTION:			
	When measuring the resistance, make sure			
	that the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 1 — (AB9) No. 2:			
3	CHECK AIRBAG CONTROL MODULE.	Is DTC B1805 displayed?	Replace the airbag	Go to step 4.
	1) Disconnect the test harness AG or test har-		control module.	
	ness AH from the connectors (AB6, AB17,		<ref. ab-48,<="" th="" to=""><th></th></ref.>	
	AB18).		REMOVAL, Airbag	
	2) Connect the connectors (AB6, AB17, AB18)		Control Module.>	
	and the airbag control module.			
	3) Connect the connectors (AB7) and (AB2).			
	4) Connect the connector (AB66) to the			
	driver's knee airbag module.			
	5) Connect the battery ground terminal and			
	turn the ignition switch to ON.			
	6) Perform the Inspection Mode.			
	7) Read the DTC. (Current malfunction)			_
4	CHECK PASSENGER'S AIRBAG MODULE.	Is DTC B1805 displayed?	Replace the pas-	Go to step 5.
	1) Turn the ignition switch to OFF, disconnect		senger's airbag	
	the battery ground cable, and wait for 60 sec-		module. <ref. th="" to<=""><th></th></ref.>	
	onds or more.		AB-36, REMOVAL,	
	2) Connect the passenger's airbag module		Passenger's Air-	
	connector (AB9).		bag Module.>	
	3) Connect the battery ground terminal and			
	turn the ignition switch to ON.			
	4) Perform the Inspection Mode.			
	5) Read the DTC. (Current malfunction)		01 1 570 :	E
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	is any other DTC displayed?	Check DTC using	Finish the diagno-
			"List of Diagnostic	sis.
			Trouble Code	
			(DTC)". <ref. th="" to<=""><th></th></ref.>	
			AB(diag)-33, List	
			of Diagnostic Trou-	
1			ble Code (DTC).>	

# **BY:DTC B1806 OPEN IN PASSENGER'S AIRBAG**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

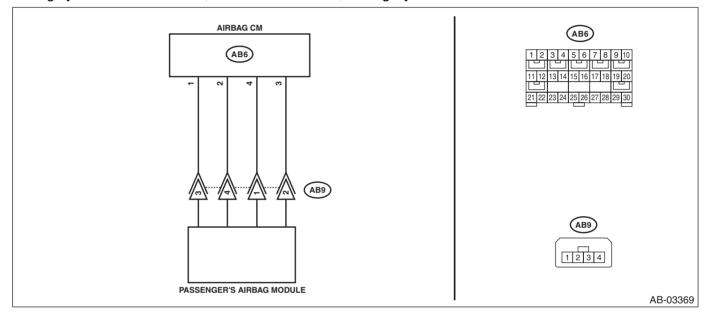
# **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is open.
- Airbag module harness (passenger's side) circuit is open.
- · Passenger's airbag module is faulty.
- · Airbag control module is faulty.

# **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSEN- GER'S AIRBAG HARNESS).		Go to step 3.	Replace the airbag main harness
	Turn the ignition switch to OFF, disconnect			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	2) Disconnect the connectors (AB7) and			
	(AB2).			
	3) Disconnect the connector (AB66) from the			
	driver's knee airbag module.			
	<ol><li>Disconnect the connectors (AB6, AB17,</li></ol>			
	AB18) from airbag control module.			
	5) Disconnect the passenger's airbag module			
	connector (AB9).			
	6) Using a probe, measure the resistance			
	between the terminals of connector (AB9).			
	<ref. ab(diag)-16,="" how="" probe,<="" th="" to="" use=""><th></th><th></th><th></th></ref.>			
	PREPARATION TOOL, General Description.>			
	CAUTION:			
	When measuring the resistance, make sure			
	that the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal (AB9) No. 1 — (AB9) No. 2:			
3	CHECK AIRBAG CONTROL MODULE.	Is DTC B1806 displayed?	Replace the airbag	Go to stop 4
3	1) Connect the connectors (AB6, AB17, AB18)	IS DTC B1606 displayed?	control module.	Go to step 4.
	and the airbag control module.		<ref. ab-48,<="" th="" to=""><th></th></ref.>	
	<ul><li>2) Connect the connectors (AB7) and (AB2).</li></ul>		REMOVAL, Airbag	
	3) Connect the connector (AB66) to the		Control Module.>	
	driver's knee airbag module.		Control Module.>	
	4) Using a probe, short the terminals No. 1 and			
	No. 2 of connector (AB9). <ref. ab(diag)-16,<="" th="" to=""><th></th><th></th><th></th></ref.>			
	HOW TO USE PROBE, PREPARATION TOOL,			
	General Description.>			
	CAUTION:			
	When shorting the terminals, make sure that			
	the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 1 — (AB9) No. 2:			
	5) Connect the battery ground terminal and			
	turn the ignition switch to ON.			
	6) Perform the Inspection Mode.			
	7) Read the DTC. (Current malfunction)			
4	CHECK PASSENGER'S AIRBAG MODULE.	Is DTC B1806 displayed?	Replace the pas-	Go to step 5.
	Turn the ignition switch to OFF, disconnect		senger's airbag	
	the battery ground cable, and wait for 60 sec-		module. <ref. th="" to<=""><th></th></ref.>	
	onds or more.		AB-36, REMOVAL,	
	2) Connect the passenger's airbag module		Passenger's Air-	
	connector (AB9).		bag Module.>	
	3) Connect the battery negative terminal, and			
	clear the memory.			
	4) Perform the Inspection Mode.  5) Pood the DTC (Current molfunction)			
Ī	<ol><li>Read the DTC. (Current malfunction)</li></ol>			

Step	Check	Yes	No
5 CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	

# **BZ:DTC B1807 SHORT IN PASSENGER'S AIRBAG (TO GROUND)**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

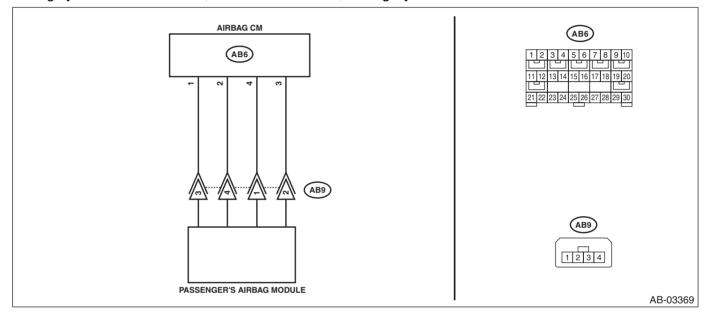
## **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to ground.
- Airbag module harness (passenger's side) circuit is shorted to ground.
- Passenger's airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	<u>-</u>		Yes Go to step 3.	No Replace the airbag main harness along with body harness.
	Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector & terminal (AB9) No. 1 — Chassis ground: (AB9) No. 2 — Chassis ground:			
3	CHECK AIRBAG CONTROL MODULE.  1) Connect the connectors (AB6, AB17, AB18) and the airbag control module.  2) Using a probe, short the terminals No. 1 and No. 2 of connector (AB9). <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use=""></ref.>	Is DTC B1807 displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 4.
	CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector & terminal (AB9) No. 1 — (AB9) No. 2:  3) Connect the battery ground terminal and turn the ignition switch to ON.  4) Perform the Inspection Mode.  5) Read the DTC. (Current malfunction)			
4	CHECK PASSENGER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Release the short circuit of connector (AB9).  3) Connect the passenger's airbag module connector (AB9).  4) Connect the connectors (AB7) and (AB2).  5) Connect the connector (AB66) to the driver's knee airbag module.  6) Connect the battery ground terminal and turn the ignition switch to ON.  7) Perform the Inspection Mode.  8) Read the DTC. (Current malfunction)	Is DTC B1807 displayed?	Replace the pas- senger's airbag module. <ref. to<br="">AB-36, REMOVAL, Passenger's Air- bag Module.&gt;</ref.>	Go to step <b>5</b> .

	Step	Check	Yes	No
5	CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	sis.

# CA:DTC B1808 SHORT IN PASSENGER'S AIRBAG (TO +B)

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

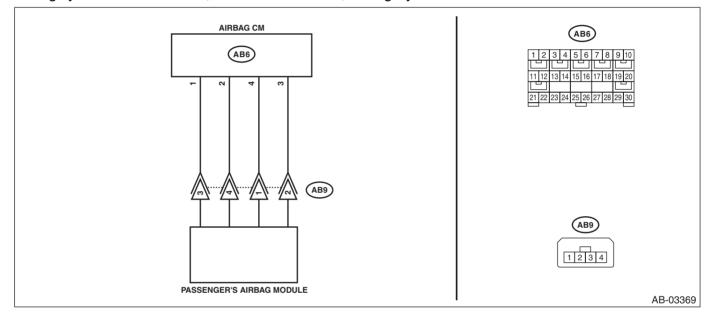
## **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to power supply.
- Airbag module harness (passenger's side) circuit is shorted to power supply.
- Passenger's airbag module is faulty.
- · Airbag control module is faulty.

# **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSEN-	Is the voltage less than 1 V?	Go to step 3.	Replace the airbag
	GER'S AIRBAG HARNESS).			main harness
	<ol> <li>Turn the ignition switch to OFF, disconnect</li> </ol>			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	2) Disconnect the connectors (AB7) and			
	(AB2).			
	3) Disconnect the connector (AB66) from the			
	driver's knee airbag module.			
	Disconnect the connectors (AB6, AB17, AB18) from airbag control module.			
	,			
	5) Disconnect the passenger's airbag module connector (AB9).			
	6) Using a probe, measure the voltage			
	between the connector (AB9) and chassis			
	ground. <ref. ab(diag)-16,="" how="" th="" to="" use<=""><th></th><th></th><th></th></ref.>			
	PROBE, PREPARATION TOOL, General			
	Description.>			
	CAUTION:			
	When measuring the voltage, make sure			
	that the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 1 (+) — Chassis ground (-):			
	(AB9) No. 2 (+) — Chassis ground (–):			
3	CHECK AIRBAG CONTROL MODULE.	Is DTC B1808 displayed?	Replace the airbag	Go to step 4.
	1) Turn the ignition switch to OFF, disconnect		control module.	
	the battery ground cable, and wait for 60 sec-		<ref. ab-48,<="" th="" to=""><th></th></ref.>	
	onds or more. 2) Connect the connectors (AB6, AB17, AB18)		REMOVAL, Airbag Control Module.>	
	and the airbag control module.		Control Module.>	
	3) Using a probe, short the terminals No. 1 and			
	No. 2 of connector (AB9). <ref. ab(diag)-16,<="" th="" to=""><th></th><th></th><th></th></ref.>			
	HOW TO USE PROBE, PREPARATION TOOL,			
	General Description.>			
	CAUTION:			
	When shorting the terminals, make sure that			
	the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 1 — (AB9) No. 2:			
	4) Connect the battery ground terminal and			
	turn the ignition switch to ON.			
	5) Perform the Inspection Mode.			
	<ol><li>Read the DTC. (Current malfunction)</li></ol>			

	Step	Check	Yes	No
4	CHECK PASSENGER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Release the short circuit of connector (AB9).  3) Connect the passenger's airbag module connector (AB9).  4) Connect the connectors (AB7) and (AB2).  5) Connect the connector (AB66) to the driver's knee airbag module.  6) Connect the battery ground terminal and turn the ignition switch to ON.  7) Perform the Inspection Mode.  8) Read the DTC. (Current malfunction)	Is DTC B1808 displayed?	Replace the pas- senger's airbag module. <ref. to<br="">AB-36, REMOVAL, Passenger's Air- bag Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CB:DTC B1810 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

# **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted.
- Airbag module harness (driver's side) circuit is shorted.
- Roll connector circuit is shorted.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

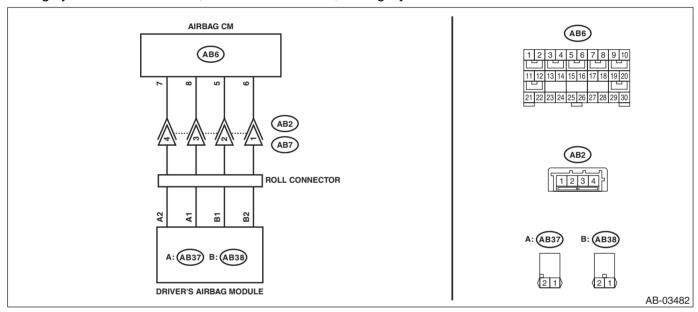
#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

# **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HAR-	Is the resistance 1 $M\Omega$ or more?	Go to step 5.	Go to step 4.
	MAIN HARNESS (DRIVER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the console front panel and disconnect the connector (AB9).  3) Disconnect the connector (AB66) from the driver's knee airbag module.  4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector			
	(2N) terminals in test harness N.  Connector & terminal  (2N) No. 1 — (2N) No. 2:			
4	CHECK AIRBAG MAIN HARNESS (DRIV- ER'S AIRBAG HARNESS).  1) Remove the instrument panel lower cover and column cover, and disconnect the connec- tor (AB7) from (AB2).  2) Disconnect the test harness Q from connec- tor (AB37).  3) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 2 — (3AG) No. 4:		Replace the roll connector. <ref. to<br="">AB-60, Roll Con- nector.&gt;</ref.>	along with body harness.
5	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 6.
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

# CC:DTC B1811 OPEN IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

### **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is open.
- Airbag module harness (driver's side) circuit is open.
- Roll connector circuit is open.
- Driver's airbag module is faulty.
- Airbag control module is faulty.

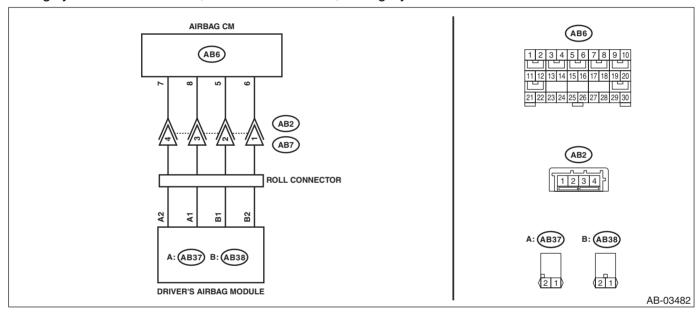
#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the driver's airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB38).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the connector (1Q) in the test harness Q to connector (AB37).  6) Connect the airbag resistor to the connector (2Q) in the test harness Q.  7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the driver's airbag module. <ref. to<br="">AB-33, Driver's Air- bag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
4	CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Remove the console front panel and disconnect the connector (AB9).  3) Disconnect the connector (AB66) from the driver's knee airbag module.  4) Disconnect the airbag resistor from the connector (2N) in test harness N.  5) Disconnect the airbag resistor from the connector (2Q) of test harness Q.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Measure the resistance between connector (2N) terminals in test harness N.  Connector & terminal  (2N) No. 1 — (2N) No. 2:  CHECK ROLL CONNECTOR.  1) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  2) Measure the resistance between connector (2N) terminals in test harness N.  Connector & terminal	Is the resistance less than 10 $\Omega$ ?	Go to step 5.	Replace the roll connector. <ref. ab-60,="" connector.="" roll="" to=""></ref.>
5	(2N) No. 1 — (2N) No. 2:  CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Replace the airbag	Go to step <b>6</b> .
	<ol> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>		control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

# CD:DTC B1812 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP (TO GROUND)

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

### **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted to ground.
- Airbag module harness (driver's side) circuit is shorted to ground.
- Roll connector circuit is shorted to ground.
- Driver's airbag module is faulty.
- · Airbag control module is faulty.

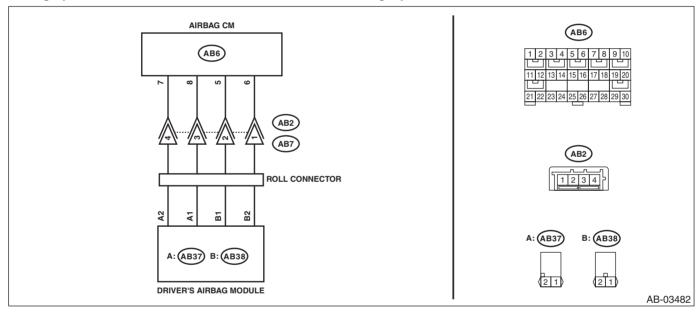
### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.		harness.	

	Step	Check	Yes	No
2	CHECK DRIVER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect	Does the airbag warning light illuminate for six seconds and	Replace the driver's airbag	Go to step 3.
	the battery ground cable, and wait for 60 sec-	go off?	module. <ref. td="" to<=""><td></td></ref.>	
	onds or more.		AB-33, Driver's Air-	
	<ol><li>Remove the driver's airbag module.</li></ol>		bag Module.>	
	3) Connect the connector (1N) in the test har-			
	ness N to the connector (AB38).			
	4) Connect the airbag resistor to the connector			
	(2N) of test harness N.			
	5) Connect the connector (1Q) in the test harness Q to connector (AB37).			
	6) Connect the airbag resistor to the connector			
	(2Q) in the test harness Q.			
	7) Connect the battery ground terminal and			
	turn the ignition switch to ON.			
3	CHECK ROLL CONNECTOR.	Is the resistance 1 M $\Omega$ or	Go to step 4.	Replace the roll
	1) Turn the ignition switch to OFF, disconnect	more?		connector. <ref. td="" to<=""></ref.>
	the battery ground cable, and wait for 60 sec-			AB-60, Roll Con-
	onds or more.			nector.>
	2) Remove the instrument panel lower cover			
	and column cover, and disconnect the connec-			
	tor (AB7) from (AB2).			
	3) Disconnect the connector (AB66) from the			
	driver's knee airbag module.			
	<ol> <li>Disconnect the airbag resistor from the connector (2N) in test harness N and from the con-</li> </ol>			
	nector (2Q) in test harness Q.			
	5) Measure the resistance between connector			
	(2N) in the test harness N and chassis ground.			
	Connector & terminal			
	(2N) No. 1 — Chassis ground:			
	(2N) No. 2 — Chassis ground:			
4	CHECK AIRBAG MAIN HARNESS (DRIV-	Is the resistance 1 M $\Omega$ or	Go to step 5.	Replace the airbag
	ER'S AIRBAG HARNESS).  1) Disconnect the test harness N from connec-	more?		main harness along with body
	tor (AB38).			harness.
	<ul><li>2) Disconnect the test harness Q from connec-</li></ul>			namoss.
	tor (AB37).			
	3) Remove the console front panel and discon-			
	nect the connector (AB9).			
	<ol><li>Disconnect the connectors (AB6, AB17,</li></ol>			
	AB18) from airbag control module.			
	5) Connect the connector (1AH) in the test har-			
	ness AH to the connectors (AB6, AB17, AB18).			
	6) Connect the connector (2AH) in the test har-			
	ness AH and the connector (1AG) in the test harness AG.			
	7) Measure the resistance between connector			
	(3AG) in the test harness AG and chassis			
	ground.			
	Connector & terminal			
	(3AG) No. 2 — Chassis ground:			
	(3AG) No. 4 — Chassis ground:			
5	CHECK AIRBAG CONTROL MODULE.	Is the same DTC displayed?	Replace the airbag	Go to step 6.
	<ol> <li>Connect all connectors.</li> </ol>		control module.	
	2) Clear the memory.		<ref. ab-48,<="" td="" to=""><td></td></ref.>	
	3) Perform the Inspection Mode.		Airbag Control	
	4) Read the DTC. (Current malfunction)		Module.>	

	Step	Check	Yes	No
6	CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List</ref.>	
			of Diagnostic Trouble Code (DTC).>	

# CE:DTC B1813 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP CIR-CUIT (TO +B)

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

### **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to power supply.
- Airbag module harness (driver's side) circuit is shorted to power supply.
- Roll connector is shorted to power supply.
- Driver's airbag module is faulty.
- · Airbag control module is faulty.

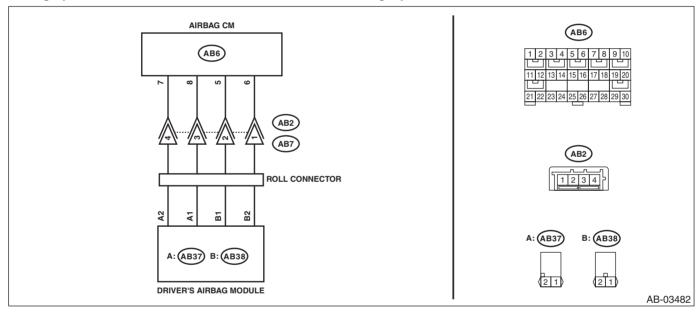
### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### NOTE:

Prior to starting work, prepare two AIRBAG RESISTORs (98299PA040).

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.		harness.	

	bag warning light r six seconds and driver's airbag module. <ref. th="" to<=""><th>Go to step 3.</th></ref.>	Go to step 3.
the battery ground cable, and wait for 60 seconds or more.	module. <ref. th="" to<=""><th></th></ref.>	
onds or more.		
Remove the driver's airbag module.	AB-33, Driver's Air-	
,	bag Module.>	
Connect the connector (1N) in the test har-		
ness N to the connector (AB38).		
4) Connect the airbag resistor to the connector		
(2N) of test harness N.		
5) Connect the connector (1Q) in the test har-		
ness Q to connector (AB37).		
6) Connect the airbag resistor to the connector		
(2Q) in the test harness Q.		
7) Connect the battery ground terminal and		
turn the ignition switch to ON.		
	e less than 1 V? Go to step 4.	Replace the roll
Turn the ignition switch to OFF, disconnect		connector. <ref. td="" to<=""></ref.>
the battery ground cable, and wait for 60 sec-		AB-60, Roll Con-
onds or more.		nector.>
2) Remove the instrument panel lower cover		
and column cover, and disconnect the connector (AB7) from (AB2).		
3) Disconnect the connector (AB66) from the		
driver's knee airbag module.		
Disconnect the airbag resistor from the con-		
nector (2N) in test harness N and from the con-		
nector (2Q) in test harness Q.		
5) Measure the voltage between connector		
(2N) in the test harness N and chassis ground.		
Connector & terminal		
(2N) No. 1 (+) — Chassis ground (–):		
(2N) No. 2 (+) — Chassis ground (-):		
	e less than 1 V? Go to step 5.	Replace the airbag
ER'S AIRBAG HARNESS).		main harness
Disconnect the test harness N from connec-		along with body
tor (AB38).		harness.
2) Disconnect the test harness Q from connec-		
tor (AB37).		
Remove the console front panel and discon-		
nect the connector (AB9).		
4) Disconnect the connectors (AB6, AB17,		
AB18) from airbag control module.		
5) Connect the connector (1AH) in the test har-		
ness AH to the connectors (AB6, AB17, AB18).		
6) Connect the connector (2AH) in the test har- ness AH and the connector (1AG) in the test		
harness AG.		
7) Measure the voltage between connector		
(3AG) in the test harness AG and chassis		
ground.		
Connector & terminal		
(3AG) No. 2 (+) — Chassis ground (–):		
(3AG) No. 4 (+) — Chassis ground (-):		
	DTC displayed? Replace the airbag	Go to step 6.
1) Connect all connectors.	control module.	5.5 to 5top <b>6</b> .
2) Clear the memory.	<ref. ab-48,<="" td="" to=""><td></td></ref.>	
3) Perform the Inspection Mode.	Airbag Control	
4) Read the DTC. (Current malfunction)	Module.>	

Step	Check	Yes	No
6 CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CF:DTC B1815 OPEN IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

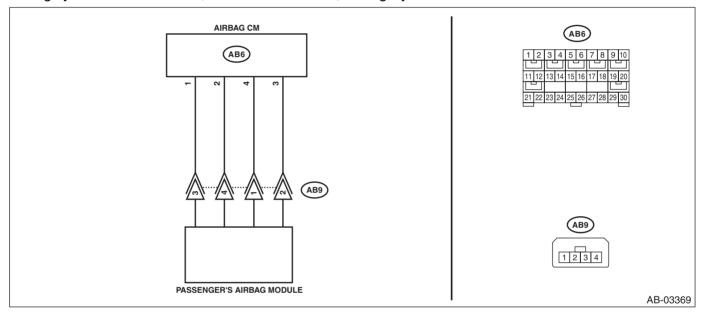
### **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted.
- Airbag module harness circuit (passenger's side) is shorted.
- Passenger's airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connectors (AB7) and (AB2).  3) Disconnect the connector (AB66) from the driver's knee airbag module.  4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, connect the connector (1AH) in the test harness AH, and release the short mechanism of the connectors (AB6, AB17, AB18).  5) Disconnect the passenger's airbag module connector (AB9).  6) Using a probe, measure the resistance between the terminals of connector (AB9). <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use="">  CAUTION:  When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector &amp; terminal (AB9) No. 4:  CHECK AIRBAG CONTROL MODULE.  1) Disconnect the test harness AG and test harness AH from the connectors (AB6, AB17, AB18).  2) Connect the connectors (AB6, AB17, AB18) and the airbag control module.  3) Connect the connectors (AB7) and (AB2).  4) Connect the connector (AB66) to the</ref.>	Is the resistance 1 $M\Omega$ or more?	Replace the airbag control module. <ref. ab-48,="" airbag="" control="" module.="" removal,="" to=""></ref.>	Replace the airbag main harness along with body harness.
4	driver's knee airbag module.  5) Connect the battery ground terminal and turn the ignition switch to ON.  6) Perform the Inspection Mode.  7) Read the DTC. (Current malfunction)  CHECK PASSENGER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.	Is DTC B1815 displayed?	Replace the pas- senger's airbag module. <ref. to<br="">AB-36, REMOVAL,</ref.>	Go to step 5.
	<ol> <li>Connect the passenger's airbag module connector (AB9).</li> <li>Connect the battery ground terminal and turn the ignition switch to ON.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>		Passenger's Air- bag Module.>	
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

# CG:DTC B1816 OPEN IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

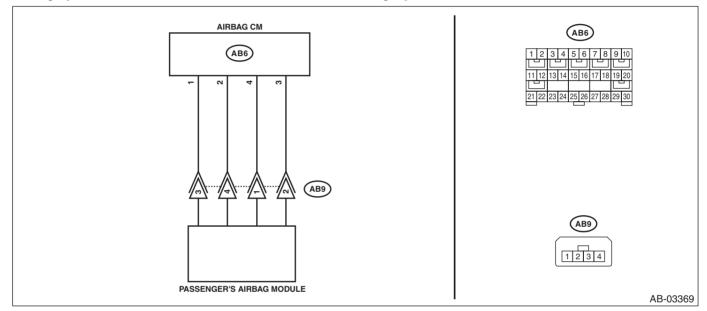
### **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is open.
- · Airbag module harness (passenger's side) circuit is open.
- · Passenger's airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connectors (AB7) and (AB2).  3) Disconnect the connector (AB66) from the driver's knee airbag module.  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Disconnect the passenger's airbag module connector (AB9).  6) Using a probe, measure the resistance between the terminals of connector (AB9). <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use="">  CAUTION:  When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector &amp; terminal</ref.>	Ω?	Go to step 3.	Replace the airbag main harness along with body harness.
3	(AB9) No. 3 — (AB9) No. 4:  CHECK AIRBAG CONTROL MODULE.  1) Connect the connectors (AB6, AB17, AB18) and the airbag control module.  2) Connect the connectors (AB7) and (AB2).  3) Connect the connector (AB66) to the driver's knee airbag module.  4) Using a probe, short the terminals No. 3 and No. 4 of connector (AB9). <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use="">  CAUTION:  When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector &amp; terminal  (AB9) No. 3 — (AB9) No. 4:  5) Connect the battery ground terminal and turn the ignition switch to ON.  6) Perform the Inspection Mode.  7) Read the DTC. (Current malfunction)</ref.>		Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 4.
4	CHECK PASSENGER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Connect the passenger's airbag module connector (AB9).  3) Connect the battery ground terminal and turn the ignition switch to ON.  4) Perform the Inspection Mode.  5) Read the DTC. (Current malfunction)	Is DTC B1816 displayed?	Replace the passenger's airbag module. <ref. ab-36,="" airbag="" module.="" passenger's="" removal,="" to=""></ref.>	Go to step <b>5</b> .

Step	Check	Yes	No
5 CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	_

# CH:DTC B1817 SHORT IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP (TO GROUND)

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

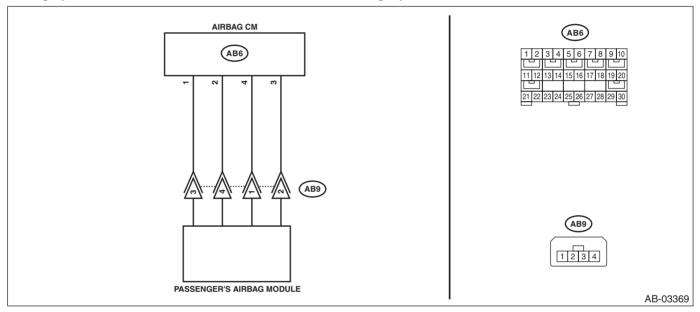
### **DTC DETECTING CONDITION:**

- · Airbag main harness circuit is shorted to ground.
- Airbag module harness (passenger's side) circuit is shorted to ground.
- · Passenger's airbag module is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSEN-	Is the resistance 1 $M\Omega$ or	Go to step 3.	Replace the airbag
	GER'S AIRBAG HARNESS).	more?		main harness
	Turn the ignition switch to OFF, disconnect			along with body
	the battery ground cable, and wait for 60 sec-			harness.
	onds or more.			
	<ol><li>Disconnect the connectors (AB7) and (AB2).</li></ol>			
	3) Disconnect the connector (AB66) from the			
	driver's knee airbag module.			
	4) Disconnect the connectors (AB6, AB17,			
	AB18) from airbag control module.			
	5) Disconnect the passenger's airbag module			
	connector (AB9).			
	6) Using a probe, measure the resistance			
	between the connector (AB9) and chassis			
	ground. <ref. ab(diag)-16,="" how="" th="" to="" use<=""><th></th><th></th><th></th></ref.>			
	PROBE, PREPARATION TOOL, General			
	Description.>			
	CAUTION: When measuring the resistance, make sure			
	that the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 3 — Chassis ground:			
	(AB9) No. 4 — Chassis ground:			
3	CHECK AIRBAG CONTROL MODULE.	Is DTC B1817 displayed?	Replace the airbag	Go to step 4.
	1) Connect the connectors (AB6, AB17, AB18)		control module.	
	and the airbag control module.		<ref. ab-48,<="" th="" to=""><th></th></ref.>	
	2) Using a probe, short the terminals No. 3 and		REMOVAL, Airbag	
	No. 4 of connector (AB9). <ref. ab(diag)-16,="" how="" preparation="" probe,="" th="" to="" tool,<="" use=""><th></th><th>Control Module.&gt;</th><th></th></ref.>		Control Module.>	
	General Description.>			
	CAUTION:			
	When shorting the terminals, make sure that			
	the probe is inserted from the back side			
	(harness side) of the connector. Also, do not			
	insert the probe forcibly.			
	Connector & terminal			
	(AB9) No. 3 — (AB9) No. 4:			
	3) Connect the battery ground terminal and			
	turn the ignition switch to ON. 4) Perform the Inspection Mode.			
	5) Read the DTC. (Current malfunction)			
4	· · · · · · · · · · · · · · · · · · ·	Is DTC B1817 displayed?	Replace the pas-	Go to step <b>5</b> .
-	Turn the ignition switch to OFF, disconnect	lis D 10 D 10 17 displayed:	senger's airbag	αυ το στ <del>ο</del> ρ <b>σ</b> .
	the battery ground cable, and wait for 60 sec-		module. <ref. th="" to<=""><th></th></ref.>	
	onds or more.		AB-36, REMOVAL,	
	Release the short circuit of connector		Passenger's Air-	
	(AB9).		bag Module.>	
	3) Connect the passenger's airbag module			
	connector (AB9).			
	4) Connect the connectors (AB7) and (AB2).			
	5) Connect the connector (AB66) to the			
	driver's knee airbag module.			
	6) Connect the battery ground terminal and			
	turn the ignition switch to ON. 7) Perform the Inspection Mode.			
	8) Read the DTC. (Current malfunction)			
	of Fload the DTO. (Outlett mailunction)			

	Step	Check	Yes	No
5	CHECK FOR ANY OTHER DTC ON DISPLAY.		Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	

# CI: DTC B1818 SHORT IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP CIRCUIT (TO +B)

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

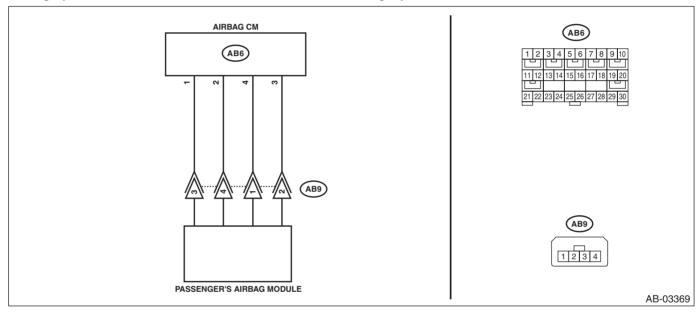
### **DTC DETECTING CONDITION:**

- Airbag main harness circuit is shorted to power supply.
- Airbag module harness (passenger's side) circuit is shorted to power supply.
- · Passenger's airbag module is faulty.
- · Airbag control module is faulty.

#### CAUTION:

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNEC-	Is there poor contact?	Replace the airbag	Go to step 2.
	TORS.		harness.	
	Check for poor contact of the connectors			
	between the airbag control module and the pas-			
	senger's airbag module.			

	Step	Check	Yes	No
2	CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connectors (AB7) and (AB2).  3) Disconnect the connector (AB66) from the driver's knee airbag module.  4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  5) Disconnect the passenger's airbag module connector (AB9).  6) Using a probe, measure the voltage between the connector (AB9) and chassis ground. <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use="">  CAUTION:  When measuring the voltage, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector &amp; terminal  (AB9) No. 3 (+) — Chassis ground (-):</ref.>		Go to step 3.	Replace the airbag main harness along with body harness.
3	(AB9) No. 4 (+) — Chassis ground (-):  CHECK AIRBAG CONTROL MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Connect the connectors (AB6, AB17, AB18) and the airbag control module.  3) Using a probe, short the terminals No. 3 and No. 4 of connector (AB9). <ref. ab(diag)-16,="" description.="" general="" how="" preparation="" probe,="" to="" tool,="" use="">  CAUTION:  When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly.  Connector &amp; terminal  (AB9) No. 3 — (AB9) No. 4:  4) Connect the battery ground terminal and turn the ignition switch to ON.  5) Perform the Inspection Mode.  6) Read the DTC. (Current malfunction)</ref.>	Is DTC B1818 displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">REMOVAL, Airbag Control Module.&gt;</ref.>	Go to step 4.

	Step	Check	Yes	No
4	CHECK PASSENGER'S AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Release the short circuit of connector (AB9).  3) Connect the passenger's airbag module connector (AB9).  4) Connect the connectors (AB7) and (AB2).  5) Connect the connector (AB66) to the driver's knee airbag module.  6) Connect the battery ground terminal and turn the ignition switch to ON.  7) Perform the Inspection Mode.  8) Read the DTC. (Current malfunction)	Is DTC B1818 displayed?	Replace the pas- senger's airbag module. <ref. to<br="">AB-36, REMOVAL, Passenger's Air- bag Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" code="" diagnostic="" list="" of="" to="" trouble=""></ref.>	Finish the diagnosis.

# CJ:DTC B1820 SHORT IN SIDE AIRBAG RH

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

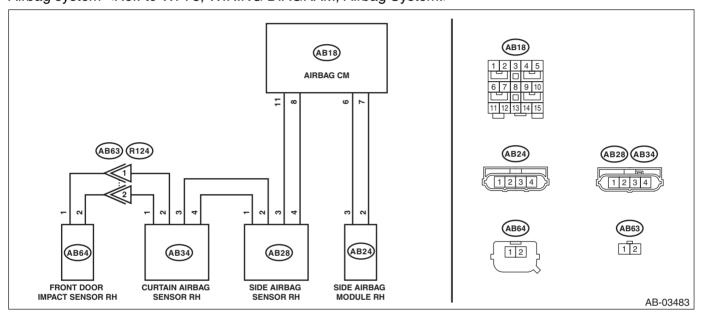
### **DTC DETECTING CONDITION:**

- Side airbag harness RH circuit is shorted.
- Side airbag module RH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, side airbag module RH and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB24) from the side airbag module RH, and connect the connector (1AJ) in the test harness AJ to connector (AB24).  3) Connect the airbag resistor to the test harness AJ connector (3AJ).  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module RH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the airbag resistor from test harness AJ.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground.  Connector & terminal  (3AJ) No. 1 — (3AJ) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### CK:DTC B1821 OPEN IN SIDE AIRBAG RH

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

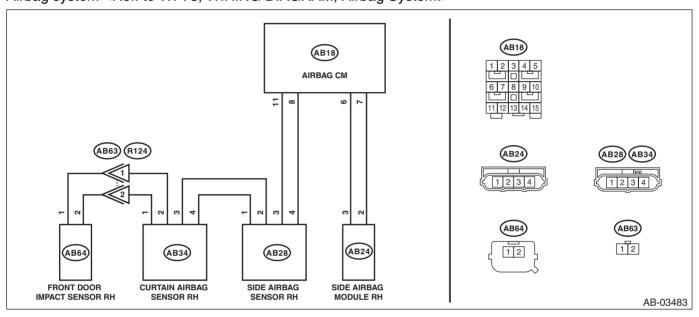
### **DTC DETECTING CONDITION:**

- Side airbag harness RH circuit is open.
- · Side airbag module RH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, side airbag module RH and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB24) from the side airbag module RH, and connect the connector (1AJ) in the test harness AJ to connector (AB24).  3) Connect the airbag resistor to the test harness AJ connector (3AJ).  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module RH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the airbag resistor from test harness AJ.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector in the test harness AJ.  Connector & terminal (4AG) No. 11 — (3AJ) No. 1: (4AG) No. 13 — (3AJ) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# **CL:DTC B1822 SHORT IN SIDE AIRBAG RH (TO GROUND)**

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

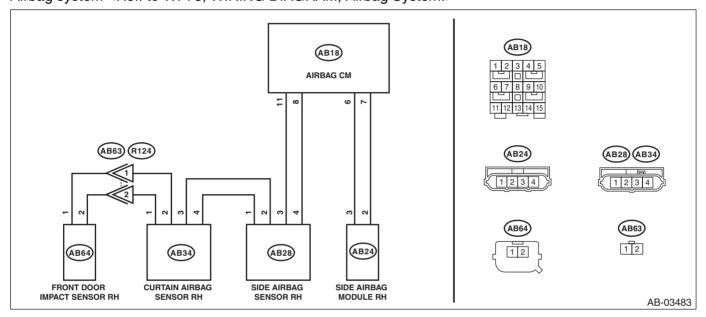
### **DTC DETECTING CONDITION:**

- Side airbag harness RH circuit is shorted to ground.
- · Side airbag module RH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step		Check	Yes	No
•		Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
the battery ground ca onds or more.  2) Disconnect the conect the connector (1 connector (AB24).  3) Connect the airba ness AJ connector (3	witch to OFF, disconnect ble, and wait for 60 sec- nnector (AB24), and con- AJ) in test harness AJ to g resistor to the test har- AJ). ry ground terminal and	Does the airbag warning light illuminate for six seconds and go off?	Replace the side airbag module RH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the airbag resistor from test harness AJ.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground.  Connector & terminal  (3AJ) No. 1 — Chassis ground:  (3AJ) No. 2 — Chassis ground:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CM:DTC B1823 SHORT IN SIDE AIRBAG RH (TO +B)

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

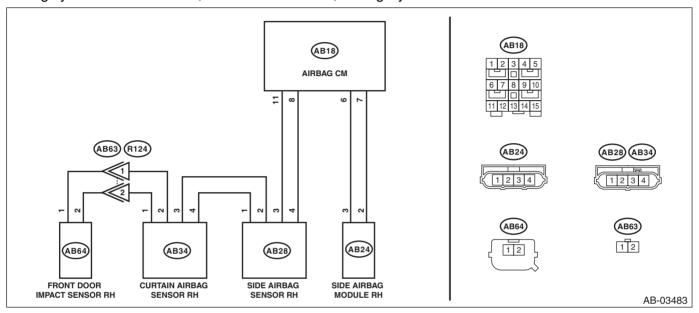
### **DTC DETECTING CONDITION:**

- Side airbag harness RH is shorted to power supply.
- Side airbag module RH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
TORS. Check for p between th	poor contact of the connectors ne airbag control module, side airbag and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
1) Turn the the battery onds or moderate the connector 3) Connector ness AJ code 4) Connector 10	e ignition switch to OFF, disconnect y ground cable, and wait for 60 sec- ore. nect the connector (AB24), and con- onnector (1AJ) in test harness AJ to	Does the airbag warning light illuminate for six seconds and go off?	Replace the side airbag module RH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the airbag resistor from test harness.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (3AJ) in the test harness AJ and chassis ground.  Connector & terminal  (3AJ) No. 1 (+) — Chassis ground (-):  (3AJ) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CN:DTC B1825 SHORT IN SIDE AIRBAG LH

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

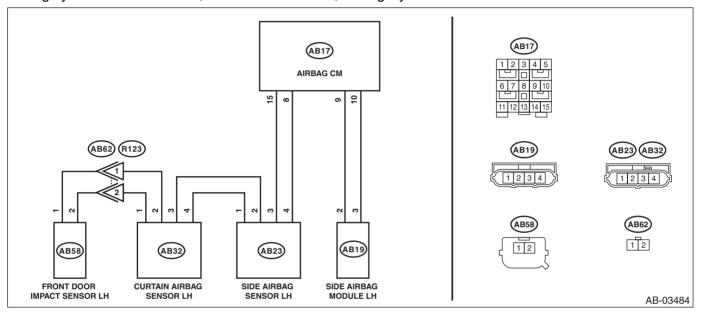
# **DTC DETECTING CONDITION:**

- Side airbag harness LH circuit is shorted.
- Side airbag module LH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB19) from the side airbag module LH, and connect the connector (1AJ) in test harness AJ to the connector (AB19).  3) Connect the airbag resistor to the test harness AJ connector (3AJ).  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module LH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB31) from curtain airbag module LH.  4) Disconnect the airbag resistor from test harness AJ.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AJ) terminals in test harness AJ.  Connector & terminal  (3AJ) No. 1 — (3AJ) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### CO:DTC B1826 OPEN IN SIDE AIRBAG LH

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

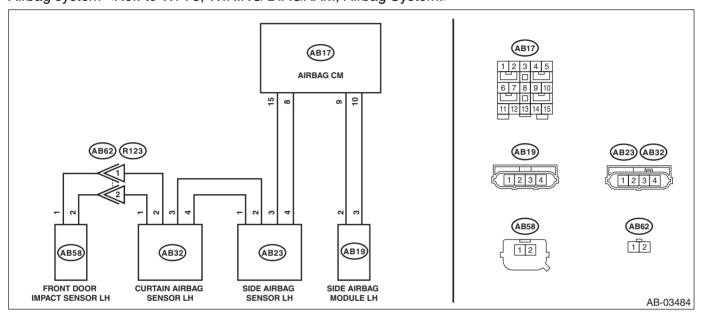
### **DTC DETECTING CONDITION:**

- Side airbag harness LH circuit is open.
- · Side airbag module LH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB19) from the side airbag module LH, and connect the connector (1AJ) in test harness AJ to the connector (AB19).  3) Connect the airbag resistor to the test harness AJ connector (3AJ).  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module LH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB31) from curtain airbag module LH.  4) Disconnect the airbag resistor from test harness AJ.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (4AG) or (5AG) in the test harness AG and connector (3AJ) in the test harness AJ.  Connector & terminal  (4AG) No. 8 — (3AJ) No. 2:  (4AG) No. 10 — (3AJ) No. 1:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# **CP:DTC B1827 SHORT IN SIDE AIRBAG LH (TO GROUND)**

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

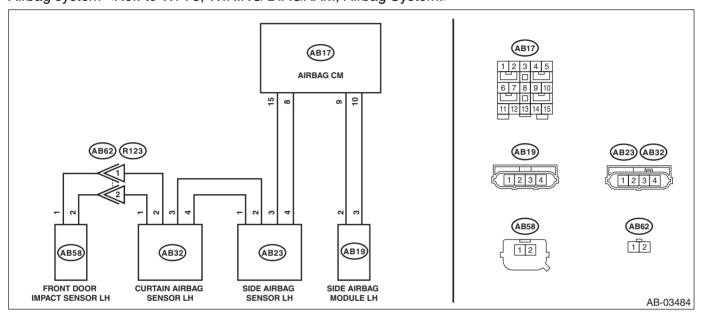
# **DTC DETECTING CONDITION:**

- Side airbag harness LH circuit is shorted to ground.
- Side airbag module LH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step	Check	Yes	No
CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
<ul> <li>2 CHECK SIDE AIRBAG MODULE.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB19), and connect the connector (1AJ) in test harness AJ to connector (AB19).</li> <li>3) Connect the airbag resistor to the test harness AJ connector (3AJ).</li> <li>4) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ul>	go off?	Replace the side airbag module LH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB31) from curtain airbag module LH.  4) Disconnect the airbag resistor from test harness.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground.  Connector & terminal  (3AJ) No. 1 — Chassis ground:  (3AJ) No. 2 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CQ:DTC B1828 SHORT IN SIDE AIRBAG LH (TO +B)

# **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

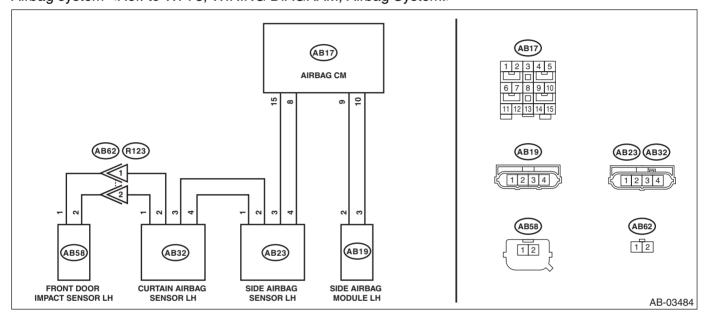
# **DTC DETECTING CONDITION:**

- Side airbag harness LH is shorted to power supply.
- Side airbag module LH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



Step	Check	Yes	No
CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
CHECK SIDE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB19), and connect the connector (1AJ) in test harness AJ to connector (AB19).  3) Connect the airbag resistor to the test harness AJ connector (3AJ).  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the side airbag module LH. <ref. ab-43,<br="" to="">REMOVAL, Side Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB31) from curtain airbag module LH.  4) Disconnect the airbag resistor from test harness.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (3AJ) in the test harness AJ and chassis ground.  Connector & terminal  (3AJ) No. 1 (+) — Chassis ground (-):  (3AJ) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CR:DTC B1830 SHORT IN CURTAIN AIRBAG RH SQUIB CIRCUIT

### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

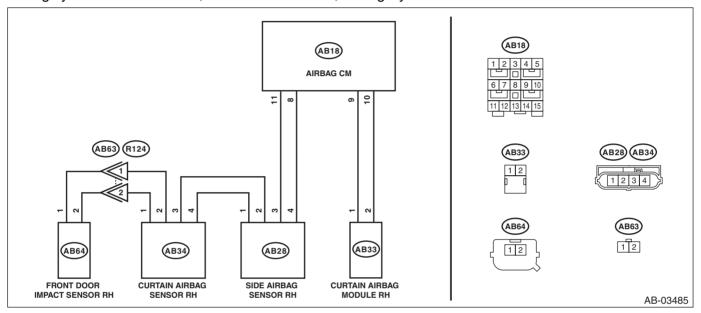
### **DTC DETECTING CONDITION:**

- Curtain airbag harness RH circuit is shorted.
- · Curtain airbag module RH is faulty.
- · Airbag control module is faulty.

### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB33) from curtain airbag module RH.  3) Connect the connector (1N) in the test harness N to the connector (AB33).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module RH. <ref. ab-<br="" to="">46, Curtain Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (2N) terminals in test harness N.  Connector & terminal (2N) No. 1 — (2N) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### CS:DTC B1831 OPEN IN CURTAIN AIRBAG RH SQUIB CIRCUIT

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

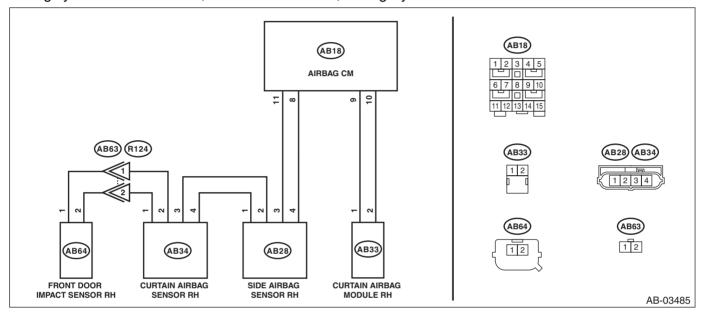
#### **DTC DETECTING CONDITION:**

- Curtain airbag harness RH circuit is open.
- · Curtain airbag module RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB33) from curtain airbag module RH.  3) Connect the connector (1N) in the test harness N to the connector (AB33).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module RH. <ref. ab-<br="" to="">46, Curtain Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (5AG) or (6AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (5AG) No. 6 — (2N) No. 2: (5AG) No. 12 — (2N) No. 1:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### CT:DTC B1832 SHORT IN CURTAIN AIRBAG RH SQUIB CIRCUIT (TO GROUND)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

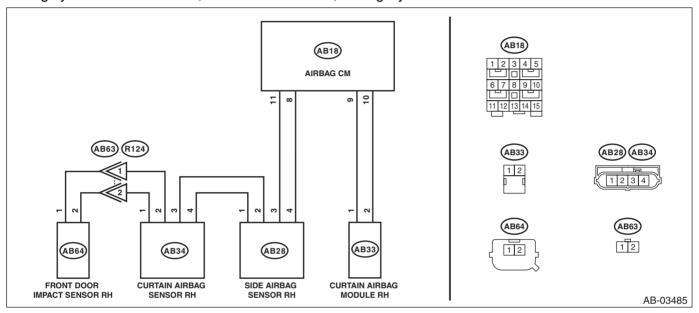
#### DTC DETECTING CONDITION:

- Curtain airbag harness RH circuit is shorted to ground.
- · Curtain airbag module RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	1) Turn the ignition switch to OFF, disconnect	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module RH. <ref. ab-<br="" to="">46, Curtain Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (2N) in the test harness N and chassis ground.  Connector & terminal  (2N) No. 1 — Chassis ground:  (2N) No. 2 — Chassis ground:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CU:DTC B1833 SHORT IN CURTAIN SHIELD AIRBAG RH SQUIB CIRCUIT (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

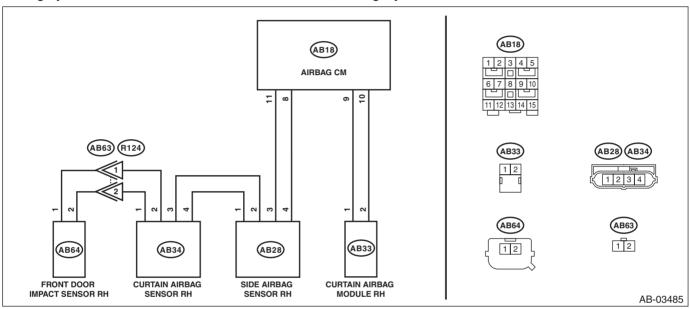
#### **DTC DETECTING CONDITION:**

- Curtain airbag harness RH is shorted to power supply.
- · Curtain airbag module RH is faulty.
- Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB33), and connect the connector (1N) in test harness N to connector (AB33).  3) Connect the airbag resistor to the connector (2N) of test harness N.  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module RH. <ref. ab-<br="" to="">46, Curtain Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (2N) in the test harness N and chassis ground.  Connector & terminal  (2N) No. 1 (+) — Chassis ground (-):  (2N) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### CV:DTC B1835 SHORT IN CURTAIN AIRBAG LH SQUIB CIRCUIT

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

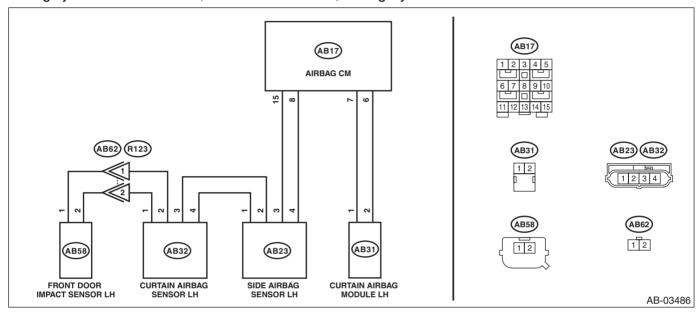
#### **DTC DETECTING CONDITION:**

- Curtain airbag harness LH circuit is shorted.
- · Curtain airbag module LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB31) from curtain airbag module LH.  3) Connect the connector (1N) in the test harness N to the connector (AB31).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module LH. <ref. ab-46,="" airbag="" curtain="" module.="" to=""></ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (2N) terminals in test harness N.  Connector & terminal (2N) No. 1 — (2N) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### CW:DTC B1836 OPEN IN CURTAIN AIRBAG LH SQUIB CIRCUIT

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

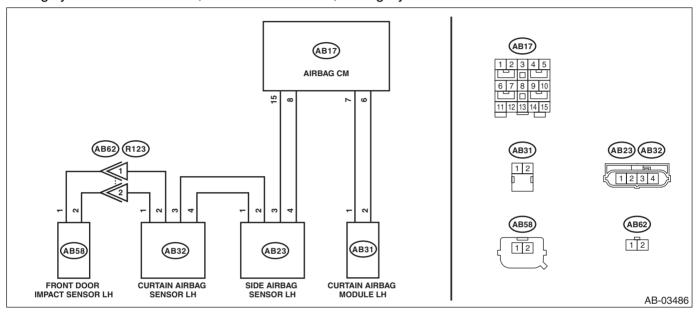
#### DTC DETECTING CONDITION:

- · Curtain airbag harness LH circuit is open.
- · Curtain airbag module LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB31) from curtain airbag module LH.  3) Connect the connector (1N) in the test harness N to the connector (AB31).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module LH. <ref. ab-46,="" airbag="" curtain="" module.="" to=""></ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (5AG) or (6AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (5AG) No. 2 — (2N) No. 2: (5AG) No. 4 — (2N) No. 1:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

### CX:DTC B1837 SHORT IN CURTAIN AIRBAG LH SQUIB CIRCUIT (TO GROUND)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

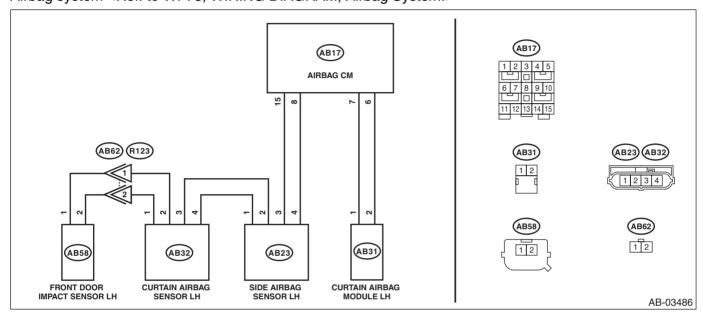
#### DTC DETECTING CONDITION:

- Curtain airbag harness LH circuit is shorted to ground.
- · Curtain airbag module LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB31), and connect the connector (1N) in test harness N to connector (AB31).  3) Connect the airbag resistor to the connector (2N) of test harness N.  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module LH. <ref. ab-46,="" airbag="" curtain="" module.="" to=""></ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (2N) in the test harness N and chassis ground.  Connector & terminal  (2N) No. 1 — Chassis ground:  (2N) No. 2 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

# CY:DTC B1838 SHORT IN CURTAIN SHIELD AIRBAG LH SQUIB CIRCUIT (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

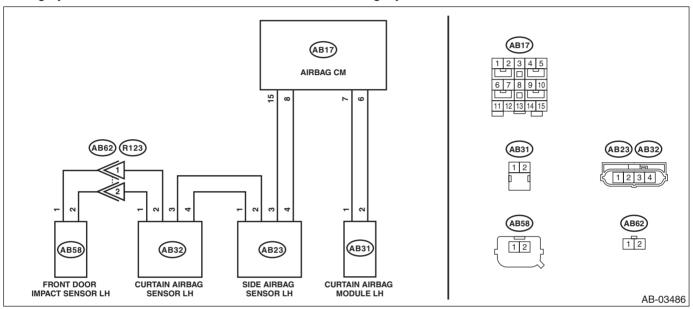
#### **DTC DETECTING CONDITION:**

- Curtain airbag harness LH is shorted to power supply.
- · Curtain airbag module LH is faulty.
- Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### WIRING DIAGRAM:



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK CURTAIN AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB31), and connect the connector (1N) in test harness N to connector (AB31).  3) Connect the airbag resistor to the connector (2N) of test harness N.  4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module LH. <ref. ab-46,="" airbag="" curtain="" module.="" to=""></ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the airbag resistor from test harness N.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (2N) in the test harness N and chassis ground.  Connector & terminal  (2N) No. 1 (+) — Chassis ground (-):  (2N) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### CZ:DTC B1860 SHORT IN DRIVER'S KNEE AIRBAG

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

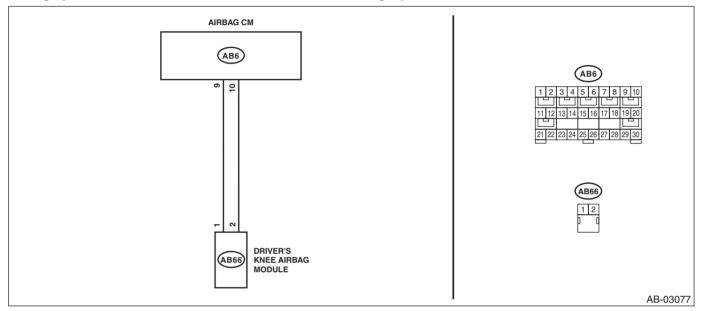
#### DTC DETECTING CONDITION:

- · Airbag main harness circuit is shorted.
- Knee airbag module harness circuit is shorted.
- · Knee airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB66) from knee airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB66).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the knee airbag module. <ref. ab-35,<br="" to="">REMOVAL, Knee Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  4) Remove the console front panel and disconnect the connector (AB9).  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) terminals in test harness AG.  Connector & terminal (3AG) No. 14— (3AG) No. 16:		Go to step 4.	Replace the airbag main harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### **DA:DTC B1861 OPEN IN DRIVER'S KNEE AIRBAG**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

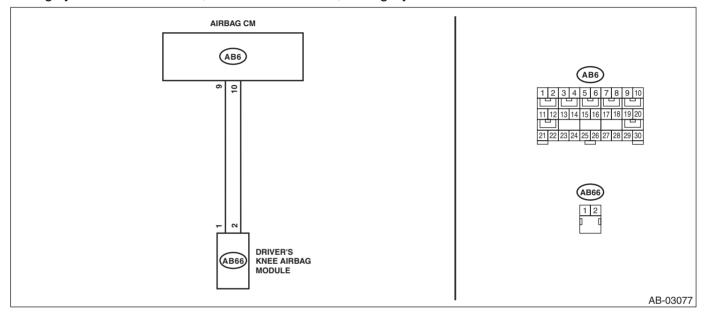
#### DTC DETECTING CONDITION:

- · Airbag main harness circuit is open.
- Knee airbag module harness circuit is open.
- · Knee airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB66) from knee airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB66).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the knee airbag module. <ref. ab-35,<br="" to="">REMOVAL, Knee Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  4) Remove the console front panel and disconnect the connector (AB9).  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (3AG) No. 14 — (2N) No. 2: (3AG) No. 16 — (2N) No. 1:		Go to step 4.	Replace the airbag main harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### **DB:DTC B1862 SHORT IN DRIVER'S KNEE AIRBAG (TO GROUND)**

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

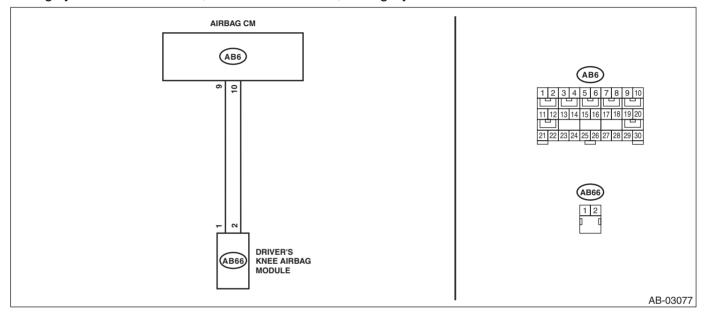
#### DTC DETECTING CONDITION:

- Airbag main harness circuit is shorted to ground.
- Knee airbag module harness circuit is shorted to ground.
- Knee airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB66) from knee airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB66).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the knee airbag module. <ref. ab-35,<br="" to="">REMOVAL, Knee Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  4) Remove the console front panel and disconnect the connector (AB9).  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 14 — Chassis ground:  (3AG) No. 16 — Chassis ground:		Go to step 4.	Replace the airbag main harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DC:DTC B1863 SHORT IN DRIVER'S KNEE AIRBAG (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

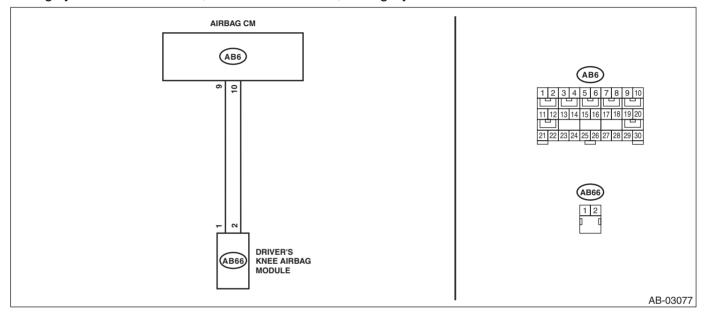
#### DTC DETECTING CONDITION:

- Airbag main harness circuit is shorted to power supply.
- Knee airbag module harness circuit is shorted to power supply.
- · Knee airbag module is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB66) from knee airbag module.  3) Connect the connector (1N) in the test harness N to the connector (AB66).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the knee airbag module. <ref. ab-35,<br="" to="">REMOVAL, Knee Airbag Module.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2).  4) Remove the console front panel and disconnect the connector (AB9).  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 14 (+) — Chassis ground (-):  (3AG) No. 16 (+) — Chassis ground (-):		Go to step 4.	Replace the airbag main harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### DD:DTC B1900 SHORT IN FRONT P/T RH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

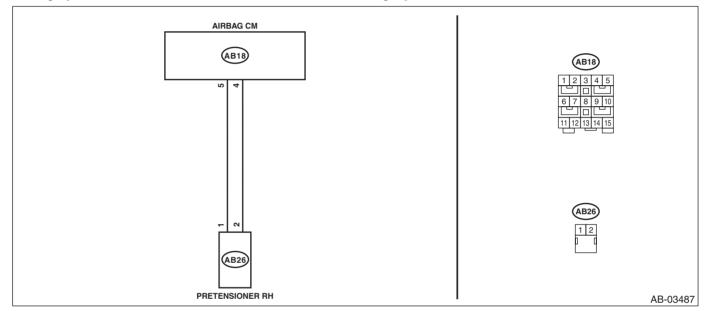
#### **DTC DETECTING CONDITION:**

- Seat belt pretensioner RH circuit is shorted.
- · Pretensioner RH is faulty.
- · Pretensioner harness RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Connect the connector (1N) in the test harness N to the connector (AB26).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner RH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the connector (AB33) from curtain airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) terminals in test harness AG.  Connector & terminal (3AG) No. 18 — (3AG) No. 20:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### DE:DTC B1901 OPEN IN FRONT P/T RH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

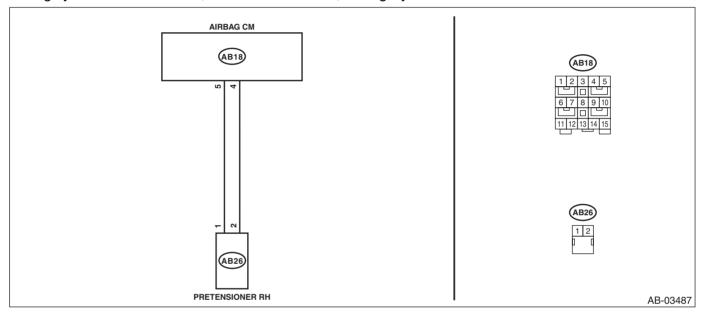
#### **DTC DETECTING CONDITION:**

- Seat belt pretensioner RH circuit is open.
- · Pretensioner RH is faulty.
- · Pretensioner harness RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	<ol> <li>CHECK SEAT BELT PRETENSIONER.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB26) from seat belt pretensioner RH.</li> <li>3) Connect the connector (1N) in the test harness N to the connector (AB26).</li> <li>4) Connect the airbag resistor to the connector (2N) of test harness N.</li> <li>5) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ol>	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner RH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the connector (AB33) from curtain airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (3AG) No. 18 — (2N) No. 2: (3AG) No. 20 — (2N) No. 1:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DF:DTC B1902 SHORT IN FRONT P/T RH (TO GROUND)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

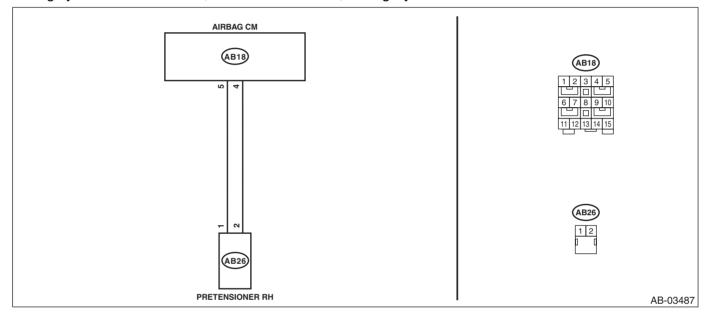
#### DTC DETECTING CONDITION:

- Seat belt pretensioner RH circuit is shorted to ground.
- · Pretensioner RH is faulty.
- · Pretensioner harness RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	<ol> <li>CHECK SEAT BELT PRETENSIONER.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB26) from seat belt pretensioner RH.</li> <li>3) Connect the connector (1N) in the test harness N to the connector (AB26).</li> <li>4) Connect the airbag resistor to the connector (2N) of test harness N.</li> <li>5) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ol>	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner RH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the connector (AB33) from curtain airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 18 — Chassis ground:  (3AG) No. 20 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DG:DTC B1903 SHORT IN FRONT P/T RH (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

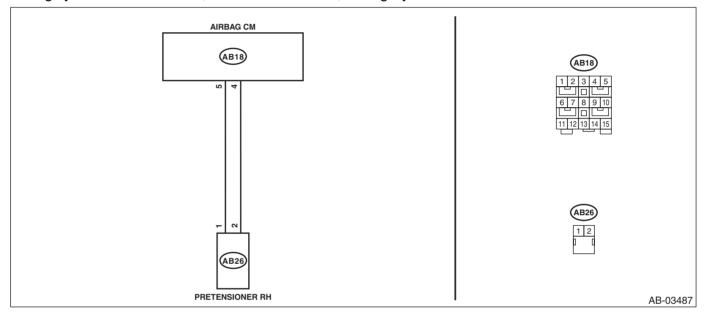
#### **DTC DETECTING CONDITION:**

- Seat belt pretensioner RH circuit is shorted to power supply.
- · Pretensioner RH is faulty.
- Pretensioner harness RH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB26) from seat belt pretensioner RH.  3) Connect the connector (1N) in the test harness N to the connector (AB26).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner RH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB24) from side airbag module RH.  4) Disconnect the connector (AB33) from curtain airbag module RH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 20 (+) — Chassis ground (-):  (3AG) No. 18 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### DH:DTC B1905 SHORT IN FRONT P/T LH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

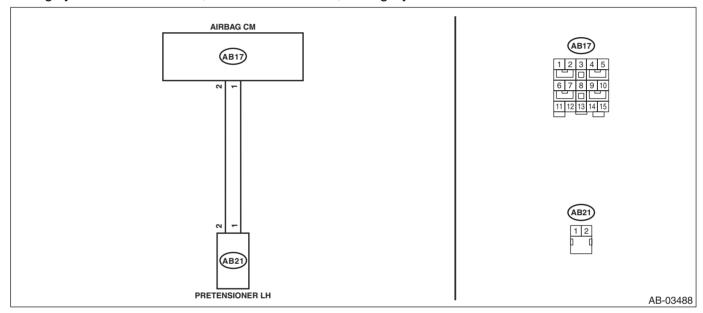
#### **DTC DETECTING CONDITION:**

- Seat belt pretensioner LH circuit is shorted.
- · Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	<ol> <li>CHECK SEAT BELT PRETENSIONER.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB21) from seat belt pretensioner LH.</li> <li>3) Connect the connector (1N) in the test harness N to the connector (AB21).</li> <li>4) Connect the airbag resistor to the connector (2N) of test harness N.</li> <li>5) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ol>	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner LH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the connector (AB31) from curtain airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) terminals in test harness AG.  Connector & terminal  (3AG) No. 10 — (3AG) No. 12:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

#### DI: DTC B1906 OPEN IN FRONT P/T LH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

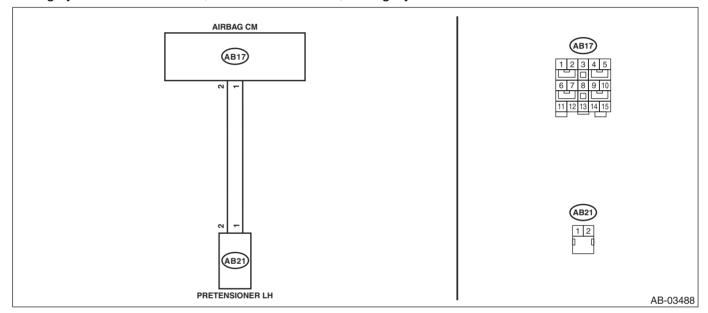
#### DTC DETECTING CONDITION:

- Seat belt pretensioner LH circuit is open.
- · Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Connect the connector (1N) in the test harness N to the connector (AB21).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner LH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the connector (AB31) from curtain airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (3AG) No. 10 — (2N) No. 1: (3AG) No. 10 — (2N) No. 2:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DJ:DTC B1907 SHORT IN FRONT P/T LH (TO GROUND)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

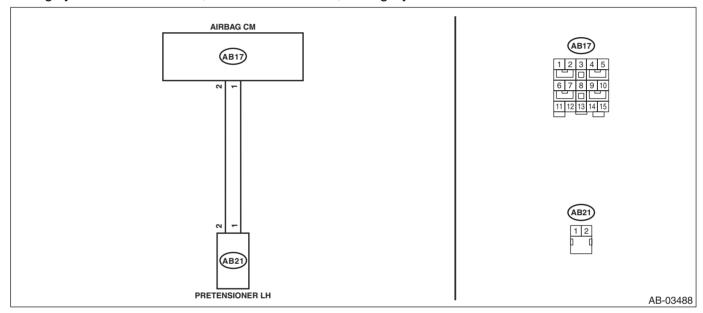
#### DTC DETECTING CONDITION:

- Seat belt pretensioner LH circuit is shorted to ground.
- · Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB21) from seat belt pretensioner LH.  3) Connect the connector (1N) in the test harness N to the connector (AB21).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner LH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the connector (AB31) from curtain airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Measure the resistance between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 10 — Chassis ground:  (3AG) No. 12 — Chassis ground:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

## DK:DTC B1908 SHORT IN FRONT P/T LH (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

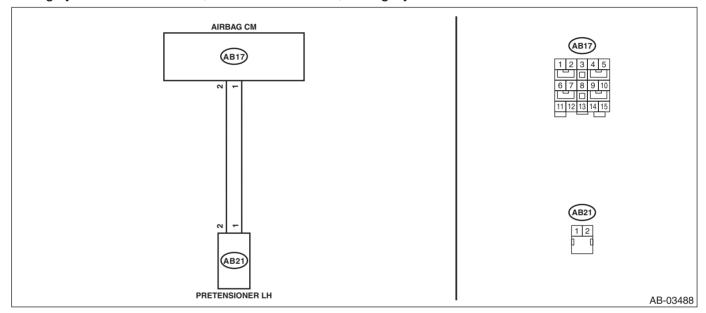
#### **DTC DETECTING CONDITION:**

- Seat belt pretensioner LH circuit is shorted to power supply.
- · Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	,	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner LH. <ref. sb-<br="" to="">16, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (PRETENSIONER HARNESS LH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from the connector (2N) of test harness N.  3) Disconnect the connector (AB19) from side airbag module LH.  4) Disconnect the connector (AB31) from curtain airbag module LH.  5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  6) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  8) Connect the battery ground terminal and turn the ignition switch to ON.  9) Measure the voltage between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 10 (+) — Chassis ground (-):  (3AG) No. 12 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	<ol> <li>CHECK AIRBAG CONTROL MODULE.</li> <li>Connect all connectors.</li> <li>Clear the memory.</li> <li>Perform the Inspection Mode.</li> <li>Read the DTC. (Current malfunction)</li> </ol>	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

#### DL:DTC B19F0 SHORT IN FRONT P/T 2 RH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

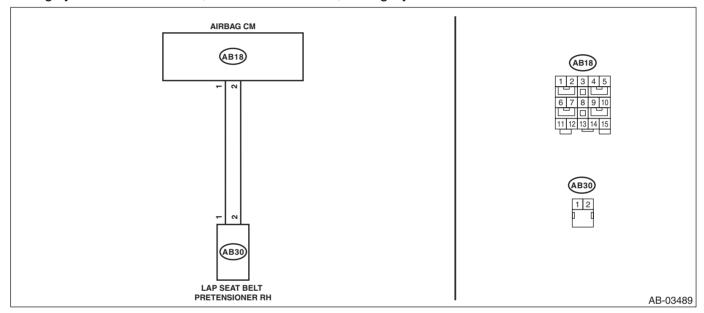
#### **DTC DETECTING CONDITION:**

- Lap seat belt pretensioner RH circuit is shorted.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	<ol> <li>CHECK LAP SEAT BELT PRETENSIONER.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH.</li> <li>3) Connect the connector (1N) in the test harness N to the connector (AB30).</li> <li>4) Connect the airbag resistor to the connector (2N) of test harness N.</li> <li>5) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ol>	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the lap seat belt preten- sioner RH. <ref. to<br="">SB-17, SEAT BELT INNER - FRONT, REMOVAL, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) from side airbag module RH.  5) Disconnect the connector (AB26) from seat belt pretensioner.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  9) Measure the resistance between connector (3AG) terminals in test harness AG.  Connector & terminal (3AG) No. 17 — (3AG) No. 19:		Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

#### DM:DTC B19F1 OPEN IN FRONT P/T 2 RH

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

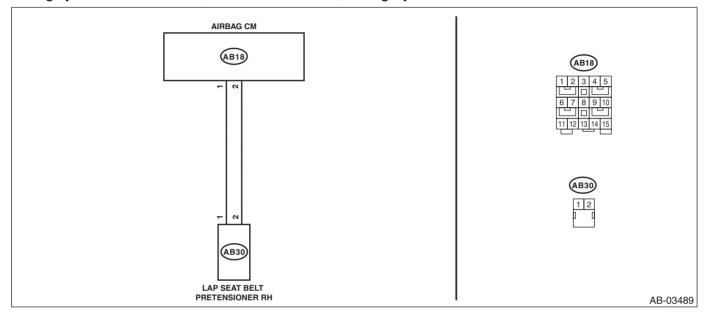
#### **DTC DETECTING CONDITION:**

- Lap seat belt pretensioner RH circuit is open.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is open.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	<ol> <li>CHECK LAP SEAT BELT PRETENSIONER.</li> <li>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.</li> <li>2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH.</li> <li>3) Connect the connector (1N) in the test harness N to the connector (AB30).</li> <li>4) Connect the airbag resistor to the connector (2N) of test harness N.</li> <li>5) Connect the battery ground terminal and turn the ignition switch to ON.</li> </ol>	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the lap seat belt preten- sioner RH. <ref. to<br="">SB-17, SEAT BELT INNER - FRONT, REMOVAL, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (SIDE AIRBAG HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) from side airbag module RH.  5) Disconnect the connector (AB26) from seat belt pretensioner.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  9) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N.  Connector & terminal (3AG) No. 17 — (2N) No. 2: (3AG) No. 19 — (2N) No. 1:	Is the resistance less than 10 $\Omega$ ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DN:DTC B19F2 SHORT IN FRONT P/T 2 RH (TO GROUND)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

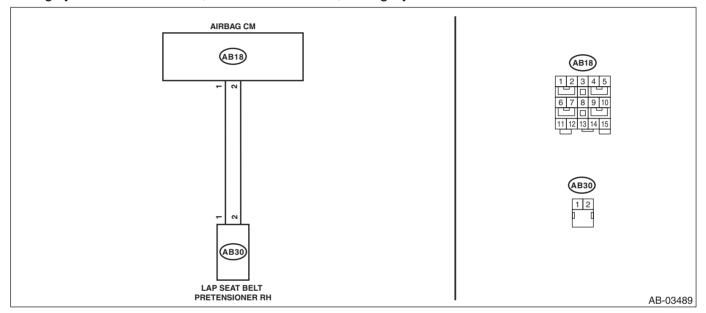
#### **DTC DETECTING CONDITION:**

- Lap seat belt pretensioner RH circuit is shorted to ground.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted to ground.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH.  3) Connect the connector (1N) in the test harness N to the connector (AB30).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the lap seat belt preten- sioner RH. <ref. to<br="">SB-17, SEAT BELT INNER - FRONT, REMOVAL, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) from side airbag module RH.  5) Disconnect the connector (AB26) from seat belt pretensioner.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  9) Measure the resistance between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 17 — Chassis ground:  (3AG) No. 19 — Chassis ground:	Is the resistance 1 $M\Omega$ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. (dtc).="" ab(diag)-33,="" ble="" code="" diagnostic="" list="" of="" to="" trou-=""></ref.>	Finish the diagnosis.

### DO:DTC B19F3 SHORT IN FRONT P/T 2 RH (TO +B)

#### **DIAGNOSIS START CONDITION:**

Ignition voltage is 10 V to 16 V.

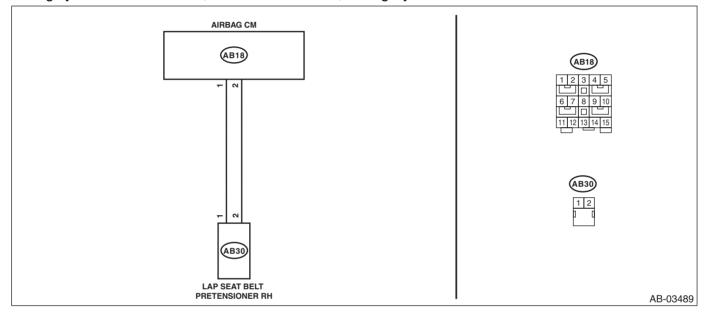
#### **DTC DETECTING CONDITION:**

- Lap seat belt pretensioner RH circuit is shorted to power supply.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted to power supply.
- · Airbag control module is faulty.

#### **CAUTION:**

Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

#### **WIRING DIAGRAM:**



	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS.  Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER.  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH.  3) Connect the connector (1N) in the test harness N to the connector (AB30).  4) Connect the airbag resistor to the connector (2N) of test harness N.  5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the lap seat belt preten- sioner RH. <ref. to<br="">SB-17, SEAT BELT INNER - FRONT, REMOVAL, Front Seat Belt.&gt;</ref.>	Go to step 3.

	Step	Check	Yes	No
3	CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH).  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more.  2) Disconnect the airbag resistor from test harness N.  3) Disconnect the connector (AB33) from curtain airbag module RH.  4) Disconnect the connector (AB24) from side airbag module RH.  5) Disconnect the connector (AB26) from seat belt pretensioner.  6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module.  7) Connect the connector (1AH) in the test harness AH to the connector (2AH) in the test harness AH and the connector (1AG) in the test harness AG.  9) Connect the battery ground terminal and turn the ignition switch to ON.  10) Measure the voltage between connector (3AG) in the test harness AG and chassis ground.  Connector & terminal  (3AG) No. 17 (+) — Chassis ground (-):  (3AG) No. 19 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE.  1) Connect all connectors.  2) Clear the memory.  3) Perform the Inspection Mode.  4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <ref. ab-48,<br="" to="">Airbag Control Module.&gt;</ref.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <ref. to<br="">AB(diag)-33, List of Diagnostic Trou- ble Code (DTC).&gt;</ref.>	Finish the diagnosis.

# OCCUPANT DETECTION SYSTEM (DIAGNOSTICS)

# OD(diag)

		Page
1.	Basic Diagnostic Procedure	2
2.	Check List for Interview	3
3.	General Description	4
4.	Electrical Component Location	8
5.	Airbag Connector	9
6.	Control Module I/O Signal	10
7.	Subaru Select Monitor	11
8.	Read Diagnostic Trouble Code (DTC)	12
9.	Inspection Mode	13
10.	Clear Memory Mode	14
11.	Read Current Data	15
12.	Airbag Warning Light Illumination Pattern	16
13.	Passenger's Airbag ON/OFF Indicator Light Illumination Pattern	17
14.	List of Diagnostic Trouble Code (DTC)	18
15.	Diagnostic Procedure with Diagnostic Trouble Code (DTC)	19