# AIRBAG SYSTEM (DIAGNOSTICS)

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</tr>
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<td>47</td>
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</table>
1. Basic Diagnostic Procedure

A: PROCEDURE

<table>
<thead>
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<th>Step</th>
<th>Value</th>
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<th>No</th>
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<tbody>
<tr>
<td>1</td>
<td><strong>READ DIAGNOSTIC TROUBLE CODE (DTC).</strong>&lt;Ref. to AB-31, Read Diagnostic Trouble Code (DTC).&gt; Is the normal code detected?</td>
<td>Normal code is detected.</td>
<td>Finish the diagnosis.</td>
</tr>
<tr>
<td>3</td>
<td><strong>PERFORM THE DIAGNOSIS.</strong> 1)Judge the possible cause from “List of Diagnostic Trouble Code”&lt;Ref. to AB-44, List of Diagnostic Trouble Code (DTC).&gt;. 2)Inspect using “Diagnostic Chart with Trouble Code”. (DTC) 3)Repair the cause of the trouble. 4)Perform the clear memory mode.&lt;Ref. to AB-33, Clear Memory Mode.&gt; 5)Perform the inspection mode.&lt;Ref. to AB-32, Inspection Mode.&gt; 6)Read any DTC again. Is the DTC detected?</td>
<td>DTC is not detected.</td>
<td>Finish the diagnosis.</td>
</tr>
</tbody>
</table>
### 2. Check List for Interview

#### A: CHECK

<table>
<thead>
<tr>
<th>Customer's Name</th>
<th>Inspector's Name</th>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Date Vehicle Brought In</th>
<th>/ /</th>
<th>Registration No.</th>
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<tr>
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<table>
<thead>
<tr>
<th>Odometer Reading</th>
<th>Km Miles</th>
<th>Vin No.</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Problem Occurred</th>
<th>/ /</th>
<th>Registration Year</th>
<th>/ /</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

#### Weather

- [ ] Fine
- [ ] Cloudy
- [ ] Rainy
- [ ] Snowy
- [ ] Other:

#### Temperature

°C (°F)

#### Road Condition

- [ ] Level road
- [ ] Uphill
- [ ] Downhill
- [ ] Rough road
- [ ] Others:

#### Vehicle Operation

- [ ] Starting
- [ ] Idling
- [ ] Driving ( [ ] Constant Speed
- [ ] Acceleration
- [ ] Deceleration
- [ ] Steering wheel turn
- [ ] Other:

#### Details of Problem


#### Check Airbag Warning Light

- [ ] Remains ON
- [ ] Remains OFF

#### Check DTC

- [ ] Normal Code
- [ ] Trouble Code: (Code: )
3. General Description

A: CAUTION

- When servicing a vehicle, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait for more than 20 seconds before starting work.
- The airbag system is fitted with a backup power source. If the airbag system is serviced within 20 seconds after the ground cable is disconnected, it may inflate.
- If the airbag warning light illuminates, repair the vehicle immediately. Airbag or pretensioner may inflate incorrectly, or not inflate in collision.
- If sensors, airbag module, airbag control module, pretensioner, and harness are deformed or damaged, replace them with new genuine parts.
- Do not use the airbag system and pretensioners on other vehicles. When replacing parts, be sure to replace them with new parts.
- Do not check continuity of either of the airbag modules for driver, passenger or side, or pretensioner.

- When checking the system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously.

- When checking, use a test harness. Do not directly apply the tester probe to any connector terminal of the airbag.
GENERAL DESCRIPTION

AIRBAG SYSTEM (DIAGNOSTICS)

• Do not drop the airbag modulator parts, subject them to high temperature over 93°C (199°F), or let water, oil, or grase get on them; otherwise, the internal parts may be damaged and reliability greatly lowered.

• If any damage, opening, or rust is found on the airbag system wire harness, do not attempt to repair using soldering equipment. Be sure to replace the faulty harness with a new genuine part.

• Install the wire harness securely with the specified clips to avoid interference or tangled up with other parts.

• Do not allow water or oil to come in contact with the connector terminals. Do not touch the connector terminals.

• Either of the airbag modules for driver, passenger or side, or pretensioner must not be disassembled.

• The airbag module cannot be used again once inflated.
• After removal, keep the airbag module with the pad facing upward on a dry, clean, and flat surface away from heat and light sources, and moisture and dust.

![Image](AB-00056)

• The removed front seat with the airbag module must be kept at least 200 mm (8 in) away from walls and other objects.

![Image](AB-00128)

(1) More than 200 mm (8 in)

• When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender, and front side frame, remove the front sub sensors and wire harness of the airbag system.

• When painting or performing sheet metal work on the side of the vehicle, including the side sill, center pillar, and front and rear doors, remove the side airbag sensors and wire harness of the airbag system.

![Image](AB-00129)
• When storing a removed airbag module, do not place any objects on it or pile airbag modules on top of each other. If the airbag inflates for some reason when it is placed with its pad side facing downward or under any object, a serious accident may result.

• Do not discard undeployed airbag modules. They could easily cause a serious accident if accidentally deployed.

**B: INSPECTION**

Before diagnosing, check the following items that might be related to the engine problem:

1. **BATTERY**

   Measure the battery voltage and specific gravity of electrolyte.

   *Standard voltage: 12 V*

   *Specific gravity: Above 1.260*
CAUTION:
Be sure to use specified test harness M, F, G, H, R, L, N, P, Q, or T when measuring the voltage, resistance, etc. of AIRBAG system component parts.

1. TEST HARNESS M
3. TEST HARNESS G

PN 98299FC020
4. TEST HARNESS H

PN 98299FA030
5. TEST HARNESS L

PN 98299FE000
6. TEST HARNESS R

PN 98299FE030
7. TEST HARNESS N

PN 98299SA000
8. TEST HARNESS P

PN 98299SA020
9. TEST HARNESS Q

PN 98299SA040
10. TEST HARNESS T

PN 98299SA060
11. AIRBAG RESISTOR

The airbag resistor is used during diagnostics. The airbag resistor has the same resistance as the airbag module and thus provides safety when used instead of the airbag module. It also makes it possible to finish, diagnostics in less time.

PN 98299PA040
4. Electrical Components Location

A: LOCATION

1. LHD MODEL

(1) Front sub sensor (LH)  (7) Roll connector  (14) Side airbag inflator (LH)
(2) Front sub sensor (RH)  (8) Airbag main harness  (15) Side airbag inflator (RH)
(3) Front sub sensor harness (LH)  (9) Driver’s airbag inflator  (a) To body harness
(4) Front sub sensor harness (RH)  (10) Side airbag harness (LH)  (b) To seat belt pretensioner (LH)
(5) Airbag control module with built-in safety and electric sensor  (11) Side airbag harness (RH)  (c) To seat belt pretensioner (RH)
(6) Passenger’s airbag inflator  (12) Side airbag sensor (LH)

(13) Side airbag sensor (RH)

<table>
<thead>
<tr>
<th>Connector No.</th>
<th>(AB1)</th>
<th>(AB2)</th>
<th>(AB3)</th>
<th>(AB4)</th>
<th>(AB7)</th>
<th>(AB8)</th>
<th>(AB9)</th>
<th>(AB10)</th>
<th>(AB11)</th>
<th>(AB12)</th>
<th>(AB13)</th>
<th>(AB14)</th>
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<th>(AB28)</th>
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</table>
AIRBAG SYSTEM (DIAGNOSTICS)

2. RHD MODEL

(1) Front sub sensor (LH)      (7) Roll connector      (14) Side airbag inflator (LH)
(2) Front sub sensor (RH)      (8) Airbag main harness (15) Side airbag inflator (RH)
(3) Front sub sensor harness (LH) (9) Driver’s airbag inflator (16) Lap pretensioner
(4) Front sub sensor harness (RH) (10) Side airbag harness (LH) (a) To body harness
(5) Airbag control module with built-in safety and electric sensor (11) Side airbag harness (RH) (b) To seat belt pretensioner (LH)
(6) Passenger’s airbag inflator (12) Side airbag sensor (LH) (c) To seat belt pretensioner (RH)

<table>
<thead>
<tr>
<th>Connector No.</th>
<th>(AB1)</th>
<th>(AB2)</th>
<th>(AB3)</th>
<th>(AB4)</th>
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</tbody>
</table>
5. A/B Control Module I/O Signal

A: SCHEMATIC

1. LHD MODEL
2. RHD MODEL

AIRBAG SYSTEM (DIAGNOSTICS)

A/B CONTROL MODULE I/O SIGNAL

TO POWER SUPPLY ROUTING

<table>
<thead>
<tr>
<th>FB-36 F/B FUSE NO.14 (IG)</th>
<th>FB-20 F/B FUSE NO.11 (IG)</th>
<th>FB-21 F/B FUSE NO.6 (IG)</th>
<th>IGNITION RELAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>B10 B</td>
<td>B8 GY</td>
<td>B79 B</td>
<td>B31 AB3</td>
</tr>
<tr>
<td>B20 B</td>
<td>B8 GY</td>
<td>B32 B</td>
<td></td>
</tr>
<tr>
<td>B30 B</td>
<td>B8 GY</td>
<td>AB3</td>
<td></td>
</tr>
</tbody>
</table>

AB3 AIRBAG CONTROL MODULE

CHECK CONNECTOR

GW 7
GR 6
L 2
W 4
B 1

DIAGNOSIS CONNECTOR

1 L
2 W
B82

DIAGNOSIS TERMINAL

C: BL
C: BL
B81

B31 (YELLOW)
B82 (BLACK)
C: H1 (GREEN)
B79 (GRAY)
B36

AB3 (YELLOW)
B: H1 (GREEN)
I3

AB-00201
6. Airbag Connector

A: OPERATION

1. POWER SUPPLY

1) How to disconnect:
   (1) Move the slide lock (A) in the direction of the arrow.
   (2) Pull the female connector in the direction of the arrow with slide lock (A) moved.

**CAUTION:**
When pulling, be sure to hold onto the connector and not the wire.

2) How to connect:
   Holding the connector (A), and push it in carefully until a connecting sound is heard.

**CAUTION:**
Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.

2. DRIVER'S AIRBAG (AIRBAG MAIN HARNESS AND ROLL CONNECTOR), SIDE AIRBAG AND PRETENSIONER

1) How to disconnect:
   (1) Push the lock arm (A).
   (2) With the lock arm (A) pushed in, move the slide lock (B) in the direction of the arrow.

   (3) With the slide lock (B) pulled, remove the lock arm (A) to its original position, and then pull in the direction of the arrow and separate the connector.

**CAUTION:**
When pulling, be sure to hold onto the connector and not the wire.

2) How to connect:
   Holding the connector, and push it in carefully until a connecting sound is heard.

**CAUTION:**
Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.
3. DRIVER’S AIRBAG (ROLL CONNECTOR AND AIRBAG MODULE)

1) How to disconnect:
   (1) Using a flat tip screwdriver, pry the push lock upward to unlock.
   (2) Pull the connector to disconnect from driver’s side airbag module assembly.

2) How to connect:
   Connect the connector in reverse order of disconnecting. At this time, be sure to insert the connector in until connecting sound is heard.

   **CAUTION:**
   Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.

4. PASSENGER’S AIRBAG

1) How to disconnect:
   (1) Push the lock arm (A).
   (2) With the lock arm (A) pushed in, pull the connector in direction of arrow to separate.

   **CAUTION:**
   When disconnecting the connector, be sure to hold onto the connector and not the wire.

2) How to connect:
   Holding the connector, and push it in carefully until a connecting sound is heard.

   **CAUTION:**
   Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.
5. FRONT SUB-SENSOR AND SIDE AIRBAG SENSOR

1) How to disconnect:
Holding outer part (A), pull it in the direction of the arrow.

CAUTION:
When pulling, be sure to hold onto the connector and not the wire.

2) How to connect:
Holding the connector, and push it in carefully until a connecting sound is heard.

CAUTION:
- Outer (A) moves back, and so do not put your hand on the outer part.
- Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.

6. LAP PRETENSIONER

1) How to disconnect:
(1) Using a flat tip screwdriver, pry the push lock (A) upward to unlock.
(2) Pull the the connector to disconnect from lap pretensioner.

CAUTION:
When pulling the side lock, be sure to hold onto the connector and not the wire.

2) How to connect:
Connect the connector in reverse order of disconnecting. At this time, be sure to insert the connector in until connecting sound is heard.

CAUTION:
- Be sure to insert the connector in until it locks.
- Then pull on it gently to make sure that it is locked.
- Be sure to push the push lock in.
7. Airbag Warning Light Illumination Pattern

A: INSPECTION
Keep the ignition switch to ON, and confirm that the airbag warning light remains off approx. 6 seconds after being turned on.

(1) Airbag warning light
(2) Approx. 6 seconds
(3) Ignition switch ON
8. Read Diagnostic Trouble Code (DTC)

A: OPERATION

1) Turn the ignition switch to ON.
2) Connect the diagnosis terminal to diagnosis connector terminal No. 1 in the instrument panel lower cover area.

3) Read the DTC by identifying the way airbag warning light flashes.
   The airbag warning light flashes a code corresponding to the faulty parts.
   The long segment (1.2 sec on) indicates a “ten”, and the short segment (0.3 sec on) indicates a “one”.

NOTE:
- “Airbag Warning Light Failure” <Ref. to AB-34, Airbag Warning Light Failure.>

4) Turn the ignition switch to OFF, and disconnect the diagnosis terminal from the diagnosis connector terminal No. 1.
5) Wind tape around the diagnosis terminal and return it to its original position.
9. Inspection Mode

A: OPERATION
Recreate the circumstance by referring to the conditions described in the checklist.
10. Clear Memory Mode

A: OPERATION

1) Turn the ignition switch to ON.
2) Connect the diagnosis terminal (DIAG, terminal “A”) to diagnosis connector terminal No. 1 in the instrument panel lower cover area.

3) While the warning light flashes, connect another diagnosis terminal (DIAG, terminal “B”) to diagnosis connector terminal No. 2.
4) Once the memory is erased, the warning light returns to the normal flash rate (0.6 sec on). The failure to recover the normal flash rate indicates that trouble parts still remain. Having repaired such parts, erase the memory again and confirm that the normal flash rate has returned.
5) When the memory has been cleared, disconnect the diagnosis terminal from the diagnosis connector.
6) Wind tape around the diagnosis terminal and return it to its original position.
11. Airbag Warning Light Failure

A: AIRBAG WARNING LIGHT REMAINS ON.

DIAGNOSIS:
• Airbag warning light unit is faulty.
• Airbag control module to airbag warning light circuit is shorted or open.
• Grounding circuit is faulty.
• Airbag control module is faulty.
• (AB1) and (B31) are not connected properly.
• (AB3) is not connected properly to the airbag control module.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

1. LHD MODEL

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>CHECK POOR CONTACT IN CONNECTORS (AB1) AND (B31).</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. Remove the side sill cover. (Driver’s side) Confirm that firm contact is secured between connectors (AB1) and (B31). Is the poor contact in connectors (AB1) and (B31)?</td>
<td>There is no poor contact in connectors (AB1) and (B31).</td>
<td>Go to step 2.</td>
<td>Repair the body harness or replace the airbag main harness with body harness.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step</th>
<th>CHECK AIRBAG WARNING LIGHT.</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
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<tbody>
<tr>
<td>2</td>
<td>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. Connect the connector (1T) in test harness T to body harness connector (B31). Connect the connector (1M) in test harness M to connector (2T) in test harness T. Connect the battery ground cable and turn the ignition switch to ON. Connect the connectors, (3M) and (4M) in test harness M. Is the airbag warning light turned off?</td>
<td>Airbag warning light is turned off.</td>
<td>Go to step 4.</td>
<td>Go to step 3.</td>
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<tr>
<th>Step</th>
<th>CHECK BODY HARNESS.</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Check the body harness. Is the anything unusual to body harness?</td>
<td>Body harness is OK.</td>
<td>Replace the combination meter printed circuit. &lt;Ref. to IDI-12, Combination Meter Assembly.&gt;</td>
<td>Repair the body harness.</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Step</th>
<th>CHECK POOR CONTACT.</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>Confirm that firm contact is secured between the airbag control module and the connector (AB3). &lt;Ref. to AB-18, Airbag Control Module.&gt; Is the poor contact in connector (AB3)?</td>
<td>There is no poor contact in connector (AB3).</td>
<td>Go to step 5.</td>
<td>Replace the airbag main harness with body harness or replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step</th>
<th>CHECK AIRBAG MAIN HARNESS.</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. Connect the connector (AB1) to (B31). Disconnect the connectors (AB2) and (AB30). Remove the glove box and disconnect the connectors (AB4) and (AB27). Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. &lt;Ref. to AB-18, Airbag Control Module.&gt; Connect the battery ground cable and turn the ignition switch to ON. Connect the connectors (5R) and (6R) in test harness R. Is the airbag warning light turned off?</td>
<td>Airbag warning light is turned off.</td>
<td>Go to step 6.</td>
<td>Replace the airbag main harness with body harness.</td>
</tr>
</tbody>
</table>
## AIRBAG SYSTEM (DIAGNOSTICS)

### AIRBAG WARNING LIGHT FAILURE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 6    | CHECK GROUNDING CIRCUIT.  
1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2)Disconnect the connector (AB3) from the airbag control module.  
3)Connect the connector (1R) in test harness R to body harness connector (AB3).  
4)Measure the resistance between connector (2R) in test harness R and the chassis ground.  
   **Connector & terminal**  
   (2R) No. 10 — Chassis ground:  
   (2R) No. 11 — Chassis ground:  
   Is the measured value less than specified value? | 10 Ω | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Repair the body-grounding circuit. |
## 2. RHD MODEL

**WIRING DIAGRAM:**

![Wiring Diagram](image)

### Step 1

**Check Poor Contact in Connectors (AB1) and (B31).**

1. Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2. Remove the side sill cover. (Driver’s side)
3. Confirm that firm contact is secured between connectors (AB1) and (B31).

Is there poor contact in connectors (AB1) and (B31)?

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>There is no poor contact in connectors (AB1) and (B31).</td>
<td>Go to step 2.</td>
<td>Repair the body harness or replace the airbag main harness with body harness.</td>
</tr>
</tbody>
</table>

**AB-00195**
## AIRBAG WARNING LIGHT FAILURE

### AIRBAG SYSTEM (DIAGNOSTICS)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 2    | CHECK AIRBAG WARNING LIGHT.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Connect the connector (1M) in test harness M to body harness connector (B31).  
3) Connect the battery ground cable and turn the ignition switch to ON.  
4) Connect the connectors, (3M) and (4M) in test harness M.  
Is the airbag warning light turned off? | Airbag warning light is turned off. | Go to step 4. | Go to step 3. |
| 3    | CHECK BODY HARNESS.  
Check the body harness.  
Is the anything unusual to body harness?  
NOTE: After problem has been eliminated, disconnect the connectors (3M) and (4M). | Body harness is OK. | Replace the combination meter printed circuit. <Ref. to IDI-12, Combination Meter Assembly.> | Repair the body harness. |
| 4    | CHECK POOR CONTACT.  
Confirm that firm contact is secured between the airbag control module and the connector (AB3). <Ref. to AB-18, Airbag Control Module.>  
Is the poor contact in connector (AB3)? | There is no poor contact in connector (AB3). | Go to step 5. | Replace the airbag main harness with body harness or replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> |
| 5    | CHECK AIRBAG MAIN HARNESS.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Connect the connector (AB1) to (B31).  
3) Disconnect the connectors (AB2) and (AB30).  
4) Remove the glove box and disconnect the connectors (AB4) and (AB27).  
5) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. <Ref. to AB-18, Airbag Control Module.>  
6) Connect the battery ground cable and turn the ignition switch to ON.  
7) Connect the connectors (5R) and (6R) in test harness R.  
Is the airbag warning light turned off?  
NOTE: After problem has been eliminated, disconnect the connectors (5R) and (6R). | Airbag warning light is turned off. | Go to step 6. | Replace the airbag main harness with body harness. |
### AIRBAG WARNING LIGHT FAILURE

#### AIRBAG SYSTEM (DIAGNOSTICS)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 6    | CHECK GROUNDING CIRCUIT.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB3) from the airbag control module.  
3) Connect the connector (1R) in test harness R to body harness connector (AB3).  
4) Measure the resistance between connector (2R) in test harness R and the chassis ground.  
**Connector & terminal**  
(2R) No. 10 — Chassis ground:  
(2R) No. 11 — Chassis ground:  
Is the measured value less than specified value? | 10 Ω | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Repair the body-grounding circuit. |
B: AIRBAG WARNING LIGHT REMAINS OFF.

DIAGNOSIS:
• Fuse No. 14 (in fuse box) is blown.
• Body harness circuit is open.
• Airbag warning light is faulty.
• Airbag main harness is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

1. LHD MODEL

WIRING DIAGRAM:
### AIRBAG WARNING LIGHT FAILURE

**AIRBAG SYSTEM (DIAGNOSTICS)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> CHECK COMBINATION METER.  &lt;br&gt;Turn the ignition switch to ON, and confirm that warning lights equipped in the combination meter are turned on.  &lt;br&gt;Do the warning lights not for airbag turn on?</td>
<td>Warning lights not for airbag turned on.</td>
<td>Go to step 2.</td>
<td>Repair the combination meter power supply.  &lt;Ref. to IDI-3, Combination Meter System.&gt;</td>
</tr>
<tr>
<td><strong>2</strong> CHECK FUSE NO. 14 (IN MAIN FUSE BOX).  &lt;br&gt;Remove the fuse No. 14 and perform visual inspection.  &lt;br&gt;Is the fuse No. 14 (in main fuse box) blown out?</td>
<td>Fuse No. 14 is not blown out.</td>
<td>Go to step 3.</td>
<td>Replace the fuse No. 14. If fuse No. 14 blows again, go to step 3.</td>
</tr>
<tr>
<td><strong>3</strong> CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER).  &lt;br&gt;1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  &lt;br&gt;2)Disconnect the connector (AB1) from (B31).  &lt;br&gt;3)Connect the battery ground cable and turn the ignition switch to ON.  &lt;br&gt;Is the airbag warning light turned on?</td>
<td>Airbag warning light is turned on.</td>
<td>Go to step 4.</td>
<td>Replace the airbag warning light bulb or combination meter printed circuit.  &lt;Ref. to IDI-12, Combination Meter Assembly.&gt;</td>
</tr>
<tr>
<td><strong>4</strong> CHECK AIRBAG MAIN HARNESS.  &lt;br&gt;1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  &lt;br&gt;2)Connect the connector (AB1) to (B31).  &lt;br&gt;3)Disconnect the connector (AB3) from the airbag control module.  &lt;Ref. to AB-18, Airbag Control Module.&gt;  &lt;br&gt;4)Connect the battery ground cable and turn the ignition switch to ON.  &lt;br&gt;Is the airbag warning light turned on?</td>
<td>Airbag warning light is turned on.</td>
<td>Replace the airbag control module.  &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
<td>Replace the airbag main harness with body harness.</td>
</tr>
</tbody>
</table>
2. RHD MODEL

WIRING DIAGRAM:
## AIRBAG WARNING LIGHT FAILURE

### AIRBAG SYSTEM (DIAGNOSTICS)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHECK COMBINATION METER. Turn the ignition switch to ON, and confirm that warning lights equipped in the combination meter are turned on. Do the warning lights not for airbag turn on?</td>
<td>Warning lights not for airbag turned on.</td>
<td>Go to step 2.</td>
</tr>
<tr>
<td>3</td>
<td>CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER). 1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2)Disconnect the connector (AB1) from (B31). 3)Connect the battery ground cable and turn the ignition switch to ON. Is the airbag warning light turned on?</td>
<td>Airbag warning light is turned on.</td>
<td>Go to step 4.</td>
</tr>
<tr>
<td>4</td>
<td>CHECK AIRBAG MAIN HARNESS. 1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2)Connect the connector (AB1) to (B31). 3)Disconnect the connector (AB3) from the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt; 4)Connect the battery ground cable and turn the ignition switch to ON. Is the airbag warning light turned on?</td>
<td>Airbag warning light is turned on.</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>
## 12. List of Diagnostic Trouble Code (DTC)

### A: LIST

<table>
<thead>
<tr>
<th>DTC</th>
<th>Memory function</th>
<th>Contents of diagnosis</th>
<th>Index No.</th>
</tr>
</thead>
</table>
| 11  | Provided.       | • Airbag harness is open, shorted or shorted to ground.  
|     |                 | • Airbag module harness (driver) circuit is open, shorted or shorted to ground.  
|     |                 | • Roll connector circuit is open, shorted or shorted to ground.  
|     |                 | • Airbag control module is faulty.  
|     |                 | • Driver's airbag module is faulty.  
|     |                 | <Ref. to AB-47, DTC 11, Diagnostic Chart with Trouble Code.> |
| 12  | Provided.       | • Airbag harness is open, shorted or shorted to ground.  
|     |                 | • Airbag module harness (passenger) circuit is open, shorted or shorted to ground.  
|     |                 | • Airbag control module is faulty.  
|     |                 | • Passenger's airbag module is faulty.  
|     |                 | <Ref. to AB-50, DTC 12, Diagnostic Chart with Trouble Code.> |
| 15  | Provided.       | • Airbag harness (driver) is shorted to power supply.  
|     |                 | • Airbag module harness (driver) is shorted to power supply.  
|     |                 | • Roll connector is shorted to power supply.  
|     |                 | • Airbag control module is faulty.  
|     |                 | • Driver's airbag module is faulty.  
|     |                 | <Ref. to AB-52, DTC 15, Diagnostic Chart with Trouble Code.> |
| 16  | Provided.       | • Airbag harness (passenger) is shorted to power supply.  
|     |                 | • Airbag module harness (passenger) is shorted to power supply.  
|     |                 | • Airbag control module is faulty.  
|     |                 | • Passenger's airbag module is faulty.  
|     |                 | <Ref. to AB-54, DTC 16, Diagnostic Chart with Trouble Code.> |
| 21  | Provided.       | Airbag control module is faulty.  
|     |                 | <Ref. to AB-55, DTC 21, Diagnostic Chart with Trouble Code.> |
| 22  | Provided.       | Front airbag module and seat belt pretensioner (LH/RH) are inflated.  
|     |                 | <Ref. to AB-56, DTC 22, Diagnostic Chart with Trouble Code.> |
| 23  | Not provided.   | (AB3), (AB7) and (AB8) are not connected properly to airbag control module.  
|     |                 | <Ref. to AB-58, DTC 23, Diagnostic Chart with Trouble Code.> |
| 24  | Not provided.   | • Airbag control module is faulty.  
|     |                 | • Airbag harness is open.  
|     |                 | • Fuse No. 11 (in joint box) is blown.  
|     |                 | • Body harness circuit is open.  
|     |                 | <Ref. to AB-59, DTC 24, Diagnostic Chart with Trouble Code.> |
| 25  | Provided.       | • Airbag control module is faulty.  
|     |                 | • Airbag harness is open.  
|     |                 | • Fuse No. 6 (in joint box) is blown.  
|     |                 | • Body harness circuit is open.  
|     |                 | <Ref. to AB-63, DTC 25, Diagnostic Chart with Trouble Code.> |
| 31  | Provided.       | • Front sub-sensor harness (RH) circuit is shorted, opened or shorted to power supply.  
|     |                 | • Airbag harness is shorted, opened or shorted to power supply.  
|     |                 | • Front sub-sensor (RH) is faulty.  
|     |                 | • Airbag control module is faulty.  
<p>|     |                 | &lt;Ref. to AB-67, DTC 31, Diagnostic Chart with Trouble Code.&gt; |</p>
<table>
<thead>
<tr>
<th>DTC</th>
<th>Memory function</th>
<th>Contents of diagnosis</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>Provided.</td>
<td>Front sub-sensor harness (LH) circuit is shorted, opened or shorted to power supply. Airbag harness is shorted, opened or shorted to power supply. Front sub-sensor (LH) is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-70, DTC 32, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>41</td>
<td>Provided.</td>
<td>Airbag harness is faulty. Side airbag module (RH) is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-73, DTC 41, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>42</td>
<td>Provided.</td>
<td>Airbag harness is faulty. Side airbag module (LH) is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-75, DTC 42, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>45</td>
<td>Provided.</td>
<td>Airbag harness is shorted to power supply. Side airbag module (RH) is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-77, DTC 45, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>46</td>
<td>Provided.</td>
<td>Airbag harness is shorted to power supply. Side airbag module (LH) is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-79, DTC 46, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>51</td>
<td>Provided.</td>
<td>Side airbag sensor (RH) is faulty. Airbag harness is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-81, DTC 51, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>52</td>
<td>Provided.</td>
<td>Side airbag sensor (LH) is faulty. Airbag harness is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-83, DTC 52, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>53</td>
<td>Provided.</td>
<td>Side airbag sensor (RH) is faulty.</td>
<td>&lt;Ref. to AB-85, DTC 53, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>54</td>
<td>Provided.</td>
<td>Side airbag sensor (LH) is faulty.</td>
<td>&lt;Ref. to AB-85, DTC 54, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>55</td>
<td>Provided.</td>
<td>Side airbag module is inflated.</td>
<td>&lt;Ref. to AB-85, DTC 55, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>61</td>
<td>Provided.</td>
<td>Seat belt pretensioner (RH) circuit is open, shorted or shorted to ground. Airbag control module is faulty. Pretensioner is faulty. Airbag harness is faulty.</td>
<td>&lt;Ref. to AB-86, DTC 61, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>62</td>
<td>Provided.</td>
<td>Seat belt pretensioner (LH) circuit is open, shorted or shorted to ground. Airbag control module is faulty. Pretensioner is faulty. Airbag harness is faulty.</td>
<td>&lt;Ref. to AB-88, DTC 62, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>65</td>
<td>Provided.</td>
<td>Seat belt pretensioner (RH) circuit is shorted to power supply. Pretensioner is faulty. Airbag harness is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-90, DTC 65, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td>66</td>
<td>Provided.</td>
<td>Seat belt pretensioner (LH) circuit is shorted to power supply. Pretensioner is faulty. Airbag harness is faulty. Airbag control module is faulty.</td>
<td>&lt;Ref. to AB-92, DTC 66, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
</tbody>
</table>
## LIST OF DIAGNOSTIC TROUBLE CODE (DTC)

**AIRBAG SYSTEM (DIAGNOSTICS)**

<table>
<thead>
<tr>
<th>DTC</th>
<th>Memory function</th>
<th>Contents of diagnosis</th>
<th>Index No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>Provided.</td>
<td>• Airbag harness is open, shorted or shorted to ground.</td>
<td>&lt;Ref. to AB-94, DTC 72, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag module harness (passenger) circuit is open, shorted or shorted to ground.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag control module is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Passenger’s airbag module is faulty.</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>Provided.</td>
<td>• Airbag harness (passenger) is shorted or shorted to power supply.</td>
<td>&lt;Ref. to AB-96, DTC 76, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag module harness (passenger) is shorted to power supply.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag control module is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Passenger’s airbag module is faulty.</td>
<td></td>
</tr>
<tr>
<td>81</td>
<td>Provided.</td>
<td>• Lap seat belt pretensioner (RH) circuit is open, shorted or shorted to ground.</td>
<td>&lt;Ref. to AB-98, DTC 81, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lap pretensioner is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag harness is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag control module is faulty.</td>
<td></td>
</tr>
<tr>
<td>85</td>
<td>Provided.</td>
<td>• Lap seat belt pretensioner (RH) circuit is shorted to power supply.</td>
<td>&lt;Ref. to AB-100, DTC 85, Diagnostic Chart with Trouble Code.&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Lap pretensioner is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag harness is faulty.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Airbag control module is faulty.</td>
<td></td>
</tr>
</tbody>
</table>
13. Diagnostic Chart with Trouble Code

A: DTC 11

DIAGNOSIS:
• Airbag harness is open, shorted or shorted to ground.
• Airbag module harness (Driver) circuit is open, shorted or shorted to ground.
• Roll connector circuit is open, shorted or shorted to ground.
• Driver’s airbag module is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver’s airbag module and passenger’s airbag module connectors for safety reasons.

WIRING DIAGRAM:
## DIAGNOSTIC CHART WITH TROUBLE CODE

### AIRBAG SYSTEM (DIAGNOSTICS)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>CHECK DRIVER'S AIRBAG MODULE.</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the driver's airbag module. &lt;Ref. to AB-15, Driver's Airbag Module.&gt;</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>CHECK ROLL CONNECTOR.</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the roll connector. &lt;Ref. to AB-20, Roll Connector.&gt;</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>CHECK AIRBAG MAIN HARNESS.</td>
<td>10 Ω</td>
<td>Go to step 4.</td>
</tr>
</tbody>
</table>

1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2) Remove the driver's airbag module. <Ref. to AB-15, Driver's Airbag Module.>
3) Connect the connector (1N) in test harness N to connector (AB31).
4) Connect the airbag resistor to connector (2N) in test harness N.
5) Connect the battery ground cable and turn the ignition switch to ON.

Is the airbag warning light turned off after it was illuminating approx. 6 seconds?

1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2) Disconnect the test harness N from the connector (AB31).
3) Remove the instrument panel lower cover, disconnect the connector (AB2) from (AB30) and connect the connector (1F) in test harness F to connector (AB2).
4) Connect the airbag resistor to connector (3F) in test harness F.
5) Connect the battery ground cable and turn the ignition switch to ON.

Is the airbag warning light turned off after it was illuminating approx. 6 seconds?

1) Turn the ignition switch to OFF, disconnect the ground cable, and wait more than 20 seconds.
2) Disconnect the airbag resistor from the connector (3F) in test harness F.
3) Remove the glove box, and disconnect connectors (AB4) and passenger's airbag module (AB27).<Ref. to AB-16, Passenger's Airbag Module.>
4) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. <Ref. to AB-18, Airbag Control Module.>
5) Measure the resistance between connector (2R) in test harness R and the connector (3F) in test harness F.

**Connector & terminal**

(2R) No. 2 — (3F) No. 3:
(2R) No. 4 — (3F) No. 4:

Is the measured value less than specified value?
<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 4    | CHECK AIRBAG MAIN HARNESS. | Measure the resistance of the connector (2R) in test harness R. **Connector & terminal**  
(2R) No. 2 — No. 4:  
(2R) No. 4 — Chassis ground:  
(2R) No. 2 — Chassis ground: | 1 MΩ | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the airbag main harness with body harness. |
B: DTC 12
DIAGNOSIS:
• Airbag harness is open, shorted or shorted to ground.
• Airbag module harness (Passenger) circuit is open, shorted or shorted to ground.
• Passenger's airbag module is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the
  ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the airbag module connector of the driver
  and passenger seats for safety reasons.

WIRING DIAGRAM:
DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHECK PASSENGER’S AIRBAG MODULE.</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the passenger airbag module. &lt;Ref. to AB-16, Passenger’s Airbag Module.&gt;</td>
</tr>
<tr>
<td>2</td>
<td>CHECK AIRBAG MAIN HARNESS.</td>
<td>10 Ω</td>
<td>Go to step 3.</td>
</tr>
<tr>
<td>3</td>
<td>CHECK AIRBAG MAIN HARNESS.</td>
<td>1 MΩ</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>

1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2)Remove the glove box.
3)Disconnect the passenger’s airbag connector (AB27) and (AB4).
4)Connect the connector (1P) in test harness P to connector (AB4).
5)Connect the airbag resistor to connector (2P), (3P) in test harness P.
6)Connect the battery ground cable and turn the ignition switch to ON.
Is the airbag warning light turned off after it was illuminating approx. 6 seconds?

1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2) Disconnect the airbag harness connector in test harness P.
3) Remove the instrument panel lower cover and disconnect the connector (AB2) from (AB30).
4) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. <Ref. to AB-18, Airbag Control Module.>
5) Measure the resistance between connector (2R) in test harness R and the connector (2P) in test harness P.

**Connector & terminal**
- (2R) No. 3 — (2P) No. 3:
- (2R) No. 5 — (2P) No. 4:
Is the measured value less than specified value?

1) Measure the resistance of the connector (2R) in test harness R.

**Connector & terminal**
- (2R) No. 3 — No. 5:
- (2R) No. 3 — Chassis ground:
- (2R) No. 5 — Chassis ground:
Is the measured value more than specified value?
C: DTC 15

DIAGNOSIS:
• Airbag harness (Driver) is shorted to the power supply.
• Airbag module harness (Driver) is shorted to the power supply.
• Roll connector is shorted to the power supply.
• Driver's airbag module is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>CHECK DRIVER'S AIRBAG MODULE.</strong> 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the driver's airbag module. &lt;Ref. to AB-15, Driver's Airbag Module.&gt; 3) Connect the connector (AB31) to connector (1N) in test harness N. 4) Connect the airbag resistor to connector (2N) in test harness N. 5) Connect the battery ground cable and turn the ignition switch to ON. Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the driver's airbag module. &lt;Ref. to AB-15, Driver's Airbag Module.&gt;</td>
</tr>
<tr>
<td>2</td>
<td><strong>CHECK ROLL CONNECTOR.</strong> 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the test harness N from the connector (AB31). 3) Remove the instrument panel lower cover and disconnect the connector (AB2) from (AB30). 4) Connect the connector (1F) in test harness F to connector (AB2). 5) Connect the airbag resistor to connector (3F) in test harness F. 6) Connect the battery ground cable and turn the ignition switch to ON. Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the roll connector. &lt;Ref. to AB-20, Roll Connector.&gt;</td>
</tr>
<tr>
<td>3</td>
<td><strong>CHECK AIRBAG MAIN HARNESS.</strong> 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the connector (3F) in test harness F. 3) Remove the glove box, and disconnect the connectors (AB4) and passenger’s airbag module (AB27). 4) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. &lt;Ref. to AB-18, Airbag Control Module.&gt; 5) Connect the battery ground cable and turn the ignition switch to ON. (engine OFF) 6) Measure the voltage between connector (2R) in test harness R and the chassis ground. <strong>Connector &amp; terminal</strong> <em>(2R) No. 2 (+) — Chassis ground (−):</em> <em>(2R) No. 4 (+) — Chassis ground (−):</em></td>
<td>1 V</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>
D: DTC 16

DIAGNOSIS:
• Airbag harness (Passenger) is shorted to the power supply.
• Airbag module harness (Passenger) is shorted to the power supply.
• Passenger's airbag module is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

WIRING DIAGRAM:
### Diagnostic Chart with Trouble Code

#### E: DTC 21

**Diagnosis:**
Airbag control module is faulty.

**Caution:**
Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | Check Passenger’s Airbag Module.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Remove the glove box.  
3) Disconnect the passenger’s airbag connector (AB27) and (AB4).  
4) Connect the connector (1P) in test harness P to connector (AB4).  
5) Connect the airbag resistor to connector (2P), (3P) in test harness P.  
6) Connect the battery ground cable and turn the ignition switch to ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the passenger airbag module. <Ref. to AB-16, Passenger’s Airbag Module.> | Go to step 2. |
| 2    | Check Airbag Main Harness.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the airbag resistor from the connector in test harness P.  
3) Remove the instrument panel lower cover and disconnect the connector (AB2) from (AB30).  
4) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R. <Ref. to AB-18, Airbag Control Module.>  
5) Connect the battery ground cable and turn the ignition switch to ON.  
6) Measure the voltage between connector (2R) in test harness R and the chassis ground.  
**Connector & terminal**  
(2R) No. 3 (+) — Chassis ground (−):  
(2R) No. 5 (+) — Chassis ground (−):  
Is the measured value less than specified value? | 1 V | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the airbag main harness with body harness. |

---

**Step 1**

**Check if Trouble Code 21 is Indicated.**

1) Read the DTC. <Ref. to AB-31, Read Diagnostic Trouble Code (DTC).>  
2) Perform the clear memory mode.  
3) Read DTC again.  
Does the airbag warning light indicate DTC 21?  

**Value:**
Airbag warning light does not indicate DTC 21.

**Step:**

**Yes**
Temporary poor contact.

**No**
Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.>
F: DTC 22
1. LHD MODEL

WIRING DIAGRAM:

This code is indicated when the front airbag and the pretensioner are in operation. Once this code is indicated, memory is not erasable; therefore replace the following parts.

- Airbag control module. <Ref. to AB-18, Airbag Control Module.>
- Passenger's airbag module. <Ref. to AB-16, Passenger's Airbag Module.>
- Front sub-sensor of both sides. <Ref. to AB-21, Front Sub Sensor.>
- Front seat belt outer with pretensioner of both sides. <Ref. to SB-7, Front Seat Belt.>
2. RHD MODEL

WIRING DIAGRAM:

This code is indicated when the front airbag, pretensioner and lap pretensioner are in operation. Once this code is indicated, memory is not erasable; therefore replace the following parts.

- Airbag control module. <Ref. to AB-18, Airbag Control Module.>
- Driver’s airbag module. <Ref. to AB-15, Driver’s Airbag Module.>
- Passenger’s airbag module. <Ref. to AB-16, Passenger’s Airbag Module.>
- Front sub-sensor of both sides. <Ref. to AB-21, Front Sub Sensor.>
- Front seat belt outer with pretensioner of both sides. <Ref. to SB-7, Front Seat Belt.>
G: DTC 23

**DIAGNOSIS:**
(AB3), (AB7) and (AB8) are not connected properly to airbag control module.

**CAUTION:**
Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHECK POOR CONTACT IN CONNECTORS (AB3), (AB7) and (AB8). 1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2)Disconnect the connectors (AB3), (AB7) and (AB8) from the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt; Is there any rust and damage in harness connector and control module connector?</td>
<td>There is no rust and damage.</td>
<td>Go to step 2.</td>
</tr>
<tr>
<td>2</td>
<td>CHECK POOR CONTACT IN CONNECTORS (AB3), (AB7) and (AB8). 1)Ensure that connectors are firmly reconnected. 2)Connect the battery ground cable and turn the ignition switch to ON. 3)Perform the clear memory mode. 4)Read DTC again. Does the airbag warning light indicate DTC 23?</td>
<td>Airbag warning light does not indicate DTC 23.</td>
<td>Temporary poor contact.</td>
</tr>
</tbody>
</table>
H: DTC 24

DIAGNOSIS:
- Airbag control module is faulty.
- Airbag harness is open.
- Fuse No. 11 (in joint box) is blown.
- Body harness circuit is open.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

1. LHD MODEL

WIRING DIAGRAM:
## AIRBAG SYSTEM (DIAGNOSTICS)

### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1 | CHECK AIRBAG CONTROL MODULE.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB3) from the airbag control module. <Ref. to AB-18, Airbag Control Module.>  
3) Connect the connector (1R) in test harness R to connector (AB3).  
4) Connect the battery ground cable and turn the ignition switch to ON.  
5) Measure the voltage between connector (2R) in test harness R and chassis ground.  
   **Connector & terminal**  
   (2R) No. 1 (+) — Chassis ground (−):  
   Is the measured value more than specified value? | 10 V | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Go to step 2. |
| 2 | CHECK AIRBAG MAIN HARNESS.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the airbag connector (AB1) from the body harness (B31).  
3) Connect the connector (2M) in test harness M to connector (AB1).  
4) Measure the resistance between connector (5M) in test harness M and the connector (2R) in test harness R.  
   **Connector & terminal**  
   (5M) No. 2 — (2R) No. 1:  
   Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the airbag main harness with body harness. |
| 3 | CHECK AIRBAG MAIN HARNESS.  
Measure the following resistance with the above-mentioned condition maintained.  
   **Connector & terminal**  
   (5M) No. 2 — Chassis ground;  
   (2R) No. 1 — Chassis ground:  
   Is the measured value more than specified value? | 1 MΩ | Go to step 4. | Replace the airbag main harness with body harness. |
| 4 | CHECK FUSE No. 11 (IN JOINT BOX).  
1) Confirm that the ignition switch is turned OFF.  
2) Remove the fuse No. 11 (in joint box) and perform visual inspection.  
   Is the fuse No. 11 blown out? | Fuse No. 11 is not blown out. | Repair the body harness. | Replace the fuse No. 11. If fuse No. 11 blows again, repair the body harness. |
2. RHD MODEL

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>CHECK AIRBAG CONTROL MODULE.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1)</td>
<td>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>Disconnect the connector (AB3) from the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td>Connect the connector (1R) in test harness R to connector (AB3).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td>Connect the battery ground cable and turn the ignition switch to ON.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5)</td>
<td>Measure the voltage between connector (2R) in test harness R and chassis ground. <em>Connector &amp; terminal (2R) No. 1 (+) — Chassis ground (−):</em> Is the measured value more than specified value?</td>
<td>10 V</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
<tr>
<td>2</td>
<td><strong>CHECK AIRBAG MAIN HARNESS.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1)</td>
<td>Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>Disconnect the airbag connector (AB1) from the body harness (B31).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3)</td>
<td>Connect the connector (2M) in test harness M to connector (AB1).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4)</td>
<td>Measure the resistance between connector (5M) in test harness M and the connector (2R) in test harness R. <em>Connector &amp; terminal (5M) No. 9 — (2R) No. 1:</em> Is the measured value less than specified value?</td>
<td>10 Ω</td>
<td>Go to step 3.</td>
</tr>
<tr>
<td>3</td>
<td><strong>CHECK AIRBAG MAIN HARNESS.</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Measure the following resistance with the above-mentioned condition maintained. <em>Connector &amp; terminal (5M) No. 9 — Chassis ground: (2R) No. 1 — Chassis ground:</em> Is the measured value more than specified value?</td>
<td>1 MΩ</td>
<td>Go to step 4.</td>
</tr>
<tr>
<td>4</td>
<td><strong>CHECK FUSE No. 11 (IN JOINT BOX).</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1)</td>
<td>Confirm that the ignition switch is turned OFF.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2)</td>
<td>Remove the fuse No. 11 (in joint box) and perform visual inspection.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the fuse No. 11 blown out?</td>
<td></td>
<td></td>
<td>Fuse No. 11 is not blown out.</td>
</tr>
</tbody>
</table>
I:  DTC 25
DIAGNOSIS:
• Airbag control module is faulty.
• Airbag harness is open.
• Fuse No. 6 (in joint box) is blown.
• Body harness circuit is open.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

1. LHD MODEL
WIRING DIAGRAM:
## AIRBAG SYSTEM (DIAGNOSTICS)

### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1) **CHECK AIRBAG CONTROL MODULE.**
  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
  2) Disconnect the connector (AB3) from airbag control module. <Ref. to AB-18, Airbag Control Module.>
  3) Connect the connector (1R) in test harness R to connector (AB3).
  4) Connect the battery ground cable, and turn the ignition switch to ON.
  5) Measure the voltage between the connector (2R) in test harness R and the chassis ground.

  **Connector & terminal**
  
  (2R) No. 6 (+) — Chassis ground (−):

  Is the measured value more than specified value?

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 2) **CHECK AIRBAG MAIN HARNESS.**
  1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
  2) Disconnect the airbag connector (AB1) from the body harness (B31).
  3) Connect the connector (2M) in test harness M to the airbag connector (AB1).
  4) Measure the resistance between the connector (5M) in test harness M and the connector (2R) in test harness R.

  **Connector & terminal**
  
  (5M) No. 4 — (2R) No. 6:

  Is the measured value less than specified value?

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 3) **CHECK AIRBAG MAIN HARNESS.**
  Measure the following resistance with the above-mentioned condition maintained.

  **Connector & terminal**
  
  (5M) No. 4 — Chassis ground: (2R) No. 6 — Chassis ground:

  Is the measured value more than specified value?

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 4) **CHECK FUSE NO. 6 (IN JOINT BOX).**
  1) Confirm that the ignition switch is turned OFF.
  2) Remove the No. 6 fuse (in joint box) and perform visual inspection.

  Is the fuse No. 6 blown out?

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuse No. 6 is not blown out.</td>
<td>Repair the body harness.</td>
<td>Replace the fuse No. 6. If fuse No. 6 is blown again, repair the body harness.</td>
<td></td>
</tr>
</tbody>
</table>
2. RHD MODEL

WIRING DIAGRAM:

![Wiring Diagram]

- B31
- AB1
- AB3

AB-00325
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB3) from airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt; 3) Connect the connector (1R) in test harness R to connector (AB3). 4) Connect the battery ground cable, and turn the ignition switch to ON. 5) Measure the voltage between the connector (2R) in test harness R and the chassis ground. <strong>Connector &amp; terminal</strong> <em>(2R) No. 6 (+) — Chassis ground (−):</em> Is the measured value more than specified value?</td>
<td>10 V</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt; Go to step 2.</td>
</tr>
<tr>
<td>2</td>
<td>CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Connect the connector (2M) in test harness M to the airbag connector (AB1). 4) Measure the resistance between the connector (5M) in test harness M and the connector (2R) in test harness R. <strong>Connector &amp; terminal</strong> <em>(5M) No. 4 — (2R) No. 6:</em> Is the measured value less than specified value?</td>
<td>10 Ω</td>
<td>Go to step 3. Replace the airbag main harness with body harness.</td>
</tr>
<tr>
<td>3</td>
<td>CHECK AIRBAG MAIN HARNESS. Measure the following resistance with the above-mentioned condition maintained. <strong>Connector &amp; terminal</strong> <em>(5M) No. 1 — Chassis ground; (2R) No. 6 — Chassis ground:</em> Is the measured value more than specified value?</td>
<td>1 MΩ</td>
<td>Go to step 4. Replace the airbag main harness with body harness.</td>
</tr>
<tr>
<td>4</td>
<td>CHECK FUSE NO. 6 (IN JOINT BOX). 1) Confirm that the ignition switch is turned OFF. 2) Remove the No. 6 fuse (in joint box) and perform visual inspection. Is the fuse No. 6 blown out?</td>
<td>Fuse No. 6 is not blown out.</td>
<td>Repair the body harness. Replace the fuse No. 6. If fuse No. 6 is blown again, repair the body harness.</td>
</tr>
</tbody>
</table>
J: DTC 31

DIAGNOSIS:
• Front sub-sensor harness (RH) circuit is shorted, open or shorted to power supply.
• Airbag harness is shorted, open or shorted to power supply.
• Front sub-sensor (RH) is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

WIRING DIAGRAM:
## AIRBAG SYSTEM (DIAGNOSTICS)

### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | CHECK FRONT SUB-SENSOR (RH) AND AIRBAG HARNESS.  
1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2)Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R.  
<Ref. to AB-18, Airbag Control Module.>  
3)Measure the resistance of the connector (3R) in test harness R.  
Connector & terminal  
(3R) No. 7 — No. 9:  
Is the measured value within specified value? | 750 Ω and 1 KΩ | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Go to step 2. |
| 2    | CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH).  
1)Disconnect the connector (AB18) from the front sub-sensor.  
<Ref. to AB-21, Front Sub Sensor.>  
2)Connect the connector (IH) in test harness H to connector (AB18).  
3)Measure the resistance between connector (3R) in test harness R and connector (3H) in test harness H.  
Connector & terminal  
(3R) No. 7 — (3H) No. 5:  
(3R) No. 9 — (3H) No. 6:  
Is the measured value less than specified value? | 10 Ω | Go to step 3. | LHD model:  
Replace the airbag main harness and front sub-sensor harness with body harness.  
RHD model:  
Go to step 4. |
| 3    | CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH).  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
Connector & terminal  
(3R) No. 7 — Chassis ground:  
(3R) No. 9 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Go to step 8. | LHD model:  
Replace the airbag main harness and front sub-sensor harness with body harness.  
RHD model:  
Go to step 4. |
| 4    | CHECK AIRBAG MAIN HARNESS  
1)Disconnect the connector (AB13) from (AB14), and connect the connector (1L) in test harness L to connector (AB13).  
2)Measure the resistance between connector (3R) in test harness R and connector (3L) in test harness L.  
Connector & terminal  
(3R) No. 7 — (3L) No. 4:  
(3R) No. 9 — (3L) No. 3:  
Is the measured value less than specified value? | 10 Ω | Go to step 5. | Replace the airbag main harness with body harness. |
| 5    | CHECK AIRBAG MAIN HARNESS  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
Connector & terminal  
(3R) No. 7 — Chassis ground:  
(3R) No. 9 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Go to step 6. | Replace the airbag main harness with body harness. |
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>CHECK FRONT SUB-SENSOR HARNESS (RH).</td>
<td>10 Ω</td>
<td>Go to step 7.</td>
</tr>
<tr>
<td></td>
<td>1)Connect the connector (2L) in test harness F to the connector (AB14).</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2)Measure the resistance between connector (3H) in test harness H and connector (3L) in the test harness L.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3L) No. 5 — (3H) No. 5:</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>(3L) No. 6 — (3H) No. 6:</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Is the measured value less than specified value?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>CHECK FRONT SUB-SENSOR HARNESS (RH).</td>
<td>1 MΩ</td>
<td>Go to step 8.</td>
</tr>
<tr>
<td></td>
<td>Measure the resistance between connector (3L) in test harness L and the chassis ground.</td>
<td></td>
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<tr>
<td></td>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>(3L) No. 5 — Chassis ground:</td>
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<td></td>
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<tr>
<td></td>
<td>(3L) No. 6 — Chassis ground:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Is the measured value more than specified value?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>CHECK FRONT SUB-SENSOR (RH).</td>
<td>750 Ω and 1 KΩ</td>
<td>Go to step 9.</td>
</tr>
<tr>
<td></td>
<td>1)Connect the connector (2H) in test harness H to front sub-sensor (RH).</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2)Measure the resistance of the connector (3H) in test harness H.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3H) No. 3 — No. 4:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Is the measured value within specified value?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>CHECK FRONT SUB-SENSOR (RH).</td>
<td>1 MΩ</td>
<td>Finish the diagnosis.</td>
</tr>
<tr>
<td></td>
<td>Measure the resistance between connector (3H) in test harness H and the chassis ground.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3H) No. 3 — Chassis ground:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(3H) No. 4 — Chassis ground:</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Is the measured value more than specified value?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
K: DTC 32

DIAGNOSIS:
- Front sub-sensor harness (LH) circuit is shorted, open or shorted to power supply.
- Airbag harness is shorted, open or shorted to power supply.
- Front sub-sensor (LH) is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

WIRING DIAGRAM:
## AIRBAG SYSTEM (DIAGNOSTICS)

### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | CHECK FRONT SUB-SENSOR (LH) AND AIRBAG HARNESS.  
1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2)Disconnect the connector (AB3) from the airbag control module, and connect connector (1R) in the test harness R to connector (AB3).  
<Ref. to AB-18, Airbag Control Module.>  
3)Measure the resistance of the connector (3R) in the test harness R.  
**Connector & terminal**  
(3R) No. 6 — No. 8:  
Is the measured value within specified value?  
| 750 Ω and 1 Ω | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Go to step 2. |
| 2    | CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH).  
1)Disconnect the connector (AB15) from the front sub-sensor.  
<Ref. to AB-21, Front Sub Sensor.>  
2)Connect the connector (1H) in test harness H to connector (AB15).  
3)Measure the resistance between connector (3R) in test harness R and connector (3H) in test harness H.  
**Connector & terminal**  
(3R) No. 6 — (3H) No. 5:  
(3R) No. 8 — (3H) No. 6:  
Is the measured value less than specified value?  
| 10 Ω | Go to step 3. | LHD model:  
Go to step 4.  
RHD model:  
Replace the airbag main harness and front sub-sensor harness with body harness. |
| 3    | CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH).  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
**Connector & terminal**  
(3R) No. 6 — Chassis ground:  
(3R) No. 8 — Chassis ground:  
Is the measured value more than specified value?  
| 1 MΩ | Go to step 8. | LHD model:  
Go to step 4.  
RHD model:  
Replace the airbag main harness and front sub-sensor harness with body harness. |
| 4    | CHECK AIRBAG MAIN HARNESS  
1)Disconnect the connector (AB13) from (AB14), and connect the connector (1L) in test harness L to connector (AB13).  
2)Measure the resistance between connector (3R) in test harness R and connector (3L) in test harness L.  
**Connector & terminal**  
(3R) No. 6 — (3L) No. 4:  
(3R) No. 8 — (3L) No. 3:  
Is the measured value less than specified value?  
| 10 Ω | Go to step 5. | Replace the airbag main harness with body harness. |
| 5    | CHECK AIRBAG MAIN HARNESS  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
**Connector & terminal**  
(3R) No. 6 — Chassis ground:  
(3R) No. 8 — Chassis ground:  
Is the measured value more than specified value?  
<p>| 1 MΩ | Go to step 6. | Replace the airbag main harness with body harness. |</p>
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td><strong>CHECK FRONT SUB-SENSOR HARNESS (LH).</strong>  &lt;br&gt;  1)Connect the connector (2L) in test harness L to the connector (AB14).&lt;br&gt;  2)Measure the resistance between connector (3H) in test harness H and connector (3L) in the test harness L.  &lt;br&gt;  <strong>Connector &amp; terminal</strong>  &lt;br&gt;  (3L) No. 5 — (3H) No. 5:&lt;br&gt;  (3L) No. 6 — (3H) No. 6:&lt;br&gt;  Is the measured value less than specified value?</td>
<td>10 Ω</td>
<td>Go to step 7.</td>
</tr>
<tr>
<td>7</td>
<td><strong>CHECK FRONT SUB-SENSOR HARNESS (LH).</strong>  &lt;br&gt; Measure the resistance between connector (3L) in test harness L and the chassis ground.  &lt;br&gt;  <strong>Connector &amp; terminal</strong>  &lt;br&gt;  (3L) No. 5 — Chassis ground:&lt;br&gt;  (3L) No. 6 — Chassis ground:&lt;br&gt;  Is the measured value more than specified value?</td>
<td>1 MΩ</td>
<td>Go to step 8.</td>
</tr>
<tr>
<td>8</td>
<td><strong>CHECK FRONT SUB-SENSOR (LH).</strong>  &lt;br&gt;  1)Connect the connector (2H) in test harness H to front sub-sensor (LH).&lt;br&gt;  2)Measure the resistance of the connector (3H) in test harness H.  &lt;br&gt;  <strong>Connector &amp; terminal</strong>  &lt;br&gt;  (3H) No. 3 — No. 4:&lt;br&gt;  Is the measured value within specified value?</td>
<td>750 Ω and 1 KΩ</td>
<td>Go to step 9.</td>
</tr>
<tr>
<td>9</td>
<td><strong>CHECK FRONT SUB-SENSOR (LH).</strong>  &lt;br&gt; Measure the resistance between connector (3H) in test harness H and the chassis ground.  &lt;br&gt;  <strong>Connector &amp; terminal</strong>  &lt;br&gt;  (3H) No. 3 — Chassis ground:&lt;br&gt;  (3H) No. 4 — Chassis ground:&lt;br&gt;  Is the measured value more than specified value?</td>
<td>1 MΩ</td>
<td>Finish the diagnosis.</td>
</tr>
</tbody>
</table>
L: DTC 41

DIAGNOSIS:
• Side airbag harness (RH) is faulty.
• Side airbag module (RH) is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
## AIRBAG SYSTEM (DIAGNOSTICS)

### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | **CHECK SIDE AIRBAG MODULE.**  
   1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
   2) Disconnect the connector (AB11) from side airbag module (RH), and connect the connector (1F) in test harness F to (AB11).  
   3) Connect the airbag resistor to connector (3F) in test harness F.  
   4) Connect the battery ground cable, and turn the ignition switch to ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the front seat with side airbag module (RH).  
<Ref. to SE-5, Front Seat.> | Go to step 2. |
| 2    | **CHECK SIDE AIRBAG HARNESS (RH).**  
   1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
   2) Disconnect the connector (AB26) from the seat belt pretensioner (RH).  
<Ref. to SB-7, Front Seat Belt.>  
   3) For the vehicle with lap seat belt pretensioner, disconnect the connector (AB25) from lap pretensioner.  
   4) Disconnect the airbag resistor from test harness F.  
   5) Disconnect the connector (AB8) from airbag control module.  
<Ref. to AB-18, Airbag Control Module.>  
   6) Connect the connector (1R) in test harness R to connector (AB8).  
   7) Measure the resistance between connector (3R) in test harness R and connector (3F) in test harness F.  
   **Connector & terminal**  
   (3R) No. 18 — (3F) No. 4:  
   (3R) No. 20 — (3F) No. 3:  
Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the side airbag harness with body harness. |
| 3    | **CHECK SIDE AIRBAG HARNESS (RH).**  
Measure the resistance of the connector (3R) in test harness R.  
**Connector & terminal**  
(3R) No. 18 — No. 20:  
Is the measured value more than specified value? | 1 MΩ | Go to step 4. | Replace the side airbag harness with body harness. |
| 4    | **CHECK SIDE AIRBAG HARNESS (RH).**  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
**Connector & terminal**  
(3R) No. 18 — Chassis ground:  
(3R) No. 20 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
M: DTC 42

DIAGNOSIS:
• Side airbag harness (LH) is faulty.
• Side airbag module (LH) is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver’s airbag module and passenger’s airbag module connectors for safety reasons.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | CHECK SIDE AIRBAG MODULE.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB9) from side airbag module (LH), and connect the connector (1F) in test harness F to (AB9).  
3) Connect the airbag resistor to connector (3F) in test harness F.  
4) Connect the battery ground cable, and turn the ignition switch to ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the front seat with side airbag module (LH). <Ref. to SE-5, Front Seat.> | Go to step 2. |
| 2    | CHECK SIDE AIRBAG HARNESS (LH).  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB19) from the seat belt pretensioner (LH). <Ref. to SB-7, Front Seat Belt.>  
3) Disconnect the airbag resistor from the test harness.  
4) Disconnect the connector (AB7) from the airbag control module. <Ref. to AB-18, Airbag Control Module.>  
5) Connect the connector (1R) in test harness R to connector (AB7).  
6) Measure the resistance between connector (3R) in test harness R and connector (3F) in test harness F.  
   **Connector & terminal**  
   (3R) No. 12 — (3F) No. 3:  
   (3R) No. 10 — (3F) No. 4:  
Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the side airbag harness with body harness. |
| 3    | CHECK SIDE AIRBAG HARNESS (LH).  
Measure the resistance of the connector (3R) in test harness R.  
**Connector & terminal**  
(3R) No. 12 — No. 10:  
Is the measured value more than specified value? | 1 MΩ | Go to step 4. | Replace the side airbag harness with body harness. |
| 4    | CHECK SIDE AIRBAG HARNESS (LH).  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
**Connector & terminal**  
(3R) No. 10 — Chassis ground:  
(3R) No. 12 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
N: DTC 45
DIAGNOSIS:
• Side airbag harness is shorted to power supply.
• Side airbag module (RH) is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
### AIRBAG SYSTEM (DIAGNOSTICS)

#### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB11) from side airbag module (RH), and connect the connector (1F) in test harness F to (AB11). 3) Connect the airbag resistor to connector (3F) in test harness F. 4) Connect the battery ground cable, and turn the ignition switch to ON. Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the front seat with side airbag module (RH). &lt;Ref. to SE-5, Front Seat.&gt;</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB20) from the seat belt pretensioner (RH). &lt;Ref. to SB-7, Front Seat Belt.&gt; 3) For the vehicle with lap seat belt pretensioner, disconnect the connector (AB25) from lap pretensioner. 4) Disconnect the airbag resistor from the test harness. 5) Disconnect the connector (AB8) from the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt; 6) Connect the connector (1R) in test harness R to connector (AB8). 7) Connect the battery ground cable, and turn the ignition switch to ON. 8) Measure the voltage between connector (3R) in test harness R and the chassis ground. <strong>Connector &amp; terminal</strong> (3R) No. 18 (+) — Chassis ground (−): (3R) No. 20 (+) — Chassis ground (−): Is the measured value less than specified value?</td>
<td>1 V</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>
O: DTC 46

DIAGNOSIS:
• Side airbag harness is shorted to power supply.
• Side airbag module (LH) is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the airbag main harness, disconnect the driver’s airbag module and passenger’s airbag module connectors for safety reasons.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td><strong>CHECK SIDE AIRBAG MODULE.</strong>&lt;br&gt; 1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.&lt;br&gt; 2)Disconnect the connector (AB9) from side airbag module (LH), and connect the connector (1F) in test harness F to (AB9).&lt;br&gt; 3)Connect the airbag resistor to connector (3F) in test harness F.&lt;br&gt; 4)Connect the battery ground cable and turn the ignition switch to ON.&lt;br&gt; Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the front seat with side airbag module (LH).&lt;br&gt; &lt;Ref. to SE-5, Front Seat.&gt;</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td><strong>CHECK SIDE AIRBAG HARNESS (LH).</strong>&lt;br&gt; 1)Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.&lt;br&gt; 2)Disconnect the connector (AB19) from the seat belt pretensioner (LH).&lt;br&gt; 3)Disconnect the airbag resistor from the test harness.&lt;br&gt; 4)Disconnect the connector (AB7) from the airbag control module.&lt;br&gt; 5)Connect the connector (1R) in test harness R to connector (AB7).&lt;br&gt; 6)Connect the battery ground cable, and turn the ignition switch to ON.&lt;br&gt; 7)Measure the voltage between connector (3R) in test harness R and the chassis ground.</td>
<td>1 V</td>
<td>Replace the airbag control module.&lt;br&gt; &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
</tbody>
</table>
P: DTC 51

DIAGNOSIS:
- Side airbag sensor (RH) is faulty.
- Side airbag harness is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver’s airbag module and passenger’s airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
## DIAGNOSTIC CHART WITH TROUBLE CODE

### AIRBAG SYSTEM (DIAGNOSTICS)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| **1** | **CHECK SIDE AIRBAG HARNESS.**  
1) **Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.**  
2) **Disconnect the connector (AB20) from the seat belt pretensioner (RH).** <Ref. to SB-7, Front Seat Belt.>  
3) **For the vehicle with lap seat belt pretensioner, disconnect the connector (AB25) from lap pretensioner.**  
4) **Disconnect the connector (AB11) from side airbag module (RH).**  
5) **Disconnect the connector (AB8) from the airbag control module.** <Ref. to AB-18, Airbag Control Module.>  
6) **Connect the connector (1R) in test harness R to the connector (AB8).**  
7) **Disconnect the connector (AB12) from the side airbag sensor (RH), and connect the connector (1G) in test harness G to connector (AB12).**  
8) **Measure the resistance between connector (4R) in test harness R and connector (3G) in test harness G.**  
   
**Connector & terminal**  
   
(4R) No. 5 — (3G) No. 2:  
(4R) No. 6 — (3G) No. 4:  
(4R) No. 7 — (3G) No. 1:  
(4R) No. 8 — (3G) No. 5:  
   
Is the measured value less than specified value?  
**10 Ω**  
Go to step 2.  
Replace the side airbag harness with body harness. |
| **2** | **CHECK SIDE AIRBAG HARNESS.**  
**Measure the resistance between connector (4R) in test harness R and the chassis ground.**  
**Connector & terminal**  
   
(4R) No. 5 — Chassis ground:  
(4R) No. 6 — Chassis ground:  
(4R) No. 7 — Chassis ground:  
(4R) No. 8 — Chassis ground:  
   
Is the measured value more than specified value?  
**1 MΩ**  
Replace the side airbag sensor (RH). <Ref. to AB-19, Side Airbag Sensor.> When sensor replacement is not OK, replace the airbag control module. <Ref. to AB-18, Airbag Control Module.>  
Replace the side airbag harness with body harness. |
Q: DTC 52

DIAGNOSIS:
- Side airbag sensor (LH) is faulty.
- Side airbag harness is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver’s airbag module and passenger’s airbag module connectors for safety reasons.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
## Diagnostic Chart with Trouble Code

### Airbag System (Diagnostics)

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | **CHECK SIDE AIRBAG HARNESS.**  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB19) from the seat belt pretensioner (LH). <Ref. to SB-7, Front Seat Belt.>  
3) Disconnect the connector (AB9) from side airbag module (LH).  
4) Disconnect the connector (AB7) from the airbag control module. <Ref. to AB-18, Airbag Control Module.>  
5) Connect the connector (1R) in test harness R to connector (AB7).  
6) Disconnect the connector (AB10) from the side airbag sensor (LH), and connect the connector (1G) in test harness G to connector (AB10).  
7) Measure the resistance between connector (4R) in test harness R and connector (3G) in test harness G.  
   **Connector & terminal**  
   - (4R) No. 4 — (3G) No. 2:  
   - (4R) No. 3 — (3G) No. 4:  
   - (4R) No. 2 — (3G) No. 1:  
   - (4R) No. 1 — (3G) No. 5:  
| 10 Ω | Go to step 2. | Replace the side airbag harness with body harness. |
| 2    | **CHECK SIDE AIRBAG HARNESS.**  
Measure the resistance between connector (4R) in test harness R and the chassis ground.  
**Connector & terminal**  
- (4R) No. 4 — Chassis ground:  
- (4R) No. 3 — Chassis ground:  
- (4R) No. 2 — Chassis ground:  
- (4R) No. 1 — Chassis ground:  
| 1 MΩ | Replace the side airbag sensor (LH). <Ref. to AB-19, Side Airbag Sensor.> When sensor replacement is not OK, replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
R: DTC 53
DIAGNOSIS:
• Side airbag sensor (RH) is faulty. When Code 53 is displayed, the circuit within the side airbag sensor (RH) is faulty. Replace the side airbag sensor (RH).
<Ref. to AB-19, Side Airbag Sensor.>

S: DTC 54
DIAGNOSIS:
• Side airbag sensor (LH) is faulty. When Code 53 is displayed, the circuit within the side airbag sensor (LH) is faulty. Replace the side airbag sensor (LH).
<Ref. to AB-19, Side Airbag Sensor.>

T: DTC 55
This code is displayed when the side airbag is deployed. When this code is displayed, the memory cannot be erased. Replace the following parts.
• Airbag control module. <Ref. to AB-18, Airbag Control Module.>
• Front seat with side airbag module. (Operating side) <Ref. to SE-5, Front Seat.>
• Side airbag sensor. (Operating side) <Ref. to AB-19, Side Airbag Sensor.>
U: DTC 61

DIAGNOSIS:
• Seat belt pretensioner (RH) circuit is open, shorted or shorted to ground.
• Airbag control module is faulty.
• Pretensioner is faulty.
• Airbag harness is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
## Diagnostic Chart with Trouble Code

<table>
<thead>
<tr>
<th>Step</th>
<th>Diagnostic Description</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | **Check Seat Belt Pretensioner.**  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB20) from the seat belt pretensioner (RH).  
3) Connect the connector (1F) in test harness F to (AB20).  
4) Connect the airbag resistor to connector (3F) in test harness F.  
5) Connect the battery ground cable and turn the ignition switch to ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the seat belt pretensioner (RH).  
<Ref. to SB-7, Front Seat Belt.> | Go to step 2. |
| 2    | **Check Side Airbag Harness (RH).**  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the airbag resistor from the test harness.  
3) Disconnect the connector (AB11) from side airbag module (RH).  
4) Disconnect the connectors (AB7) and (AB8) from the airbag control module.  
5) Connect the connector (1R) in test harness R to connector (AB8).  
6) Measure the resistance between connector (3R) in test harness R and connector (3F) in test harness F.  
**Connector & terminal**  
(3R) No. 17 — (3F) No. 4:  
(3R) No. 19 — (3F) No. 3:  
Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the side airbag harness with body harness. |
| 3    | **Check Side Airbag Harness (RH).**  
Measure the resistance of the connector (3R) in test harness R.  
**Connector & terminal**  
(3R) No. 17 — No. 19:  
Is the measured value more than specified value? | 1 MΩ | Go to step 4. | Replace the side airbag harness with body harness. |
| 4    | **Check Side Airbag Harness (RH).**  
Measure the resistance between connector (3R) in test harness R and the chassis ground.  
**Connector & terminal**  
(3R) No. 17 — Chassis ground:  
(3R) No. 19 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
V: DTC 62
DIAGNOSIS:
• Seat belt pretensioner (LH) circuit is open, shorted or shorted to ground.
• Airbag control module is faulty.
• Pretensioner is faulty.
• Airbag harness is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
### AIRBAG SYSTEM (DIAGNOSTICS)

#### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>CHECK SEAT BELT PRETENSIONER.</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the seat belt pretensioner (LH). &lt;Ref. to SB-7, Front Seat Belt.&gt;</td>
</tr>
<tr>
<td>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Disconnect the connector (AB19) from the seat belt pretensioner (LH). &lt;Ref. to SB-7, Front Seat Belt.&gt;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Connect the connector (1F) in test harness F to (AB19).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Connect the airbag resistor to the connector (3F) in test harness F.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) Connect the battery ground cable and turn the ignition switch to ON.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>CHECK SIDE AIRBAG HARNESS (LH).</td>
<td>10 Ω</td>
<td>Go to step 3.</td>
</tr>
<tr>
<td>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Disconnect the airbag resistor from the test harness.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Disconnect the connector (AB9) from side airbag module (LH).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Disconnect the connectors (AB7) and (AB8) from the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) Connect the connector (1R) in test harness R to the connector (AB7).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6) Measure the resistance between connector (3R) in test harness R and the connector (3F) in test harness F.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3R) No. 11 — (3F) No. 4:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3R) No. 13 — (3F) No. 3:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the measured value less than specified value?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>CHECK SIDE AIRBAG HARNESS.</td>
<td>1 MΩ</td>
<td>Go to step 4.</td>
</tr>
<tr>
<td>Measure the resistance of the connector (3R) in test harness R.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3R) No. 11 — No. 13:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the measured value more than specified value?</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>CHECK SIDE AIRBAG HARNESS.</td>
<td>1 MΩ</td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
<tr>
<td>Measure the resistance between the connector (3R) in test harness R and the chassis ground.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Connector &amp; terminal</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3R) No. 11 — Chassis ground:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3R) No. 13 — Chassis ground:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Is the measured value more than specified value?</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
W: DTC 65

DIAGNOSIS:
- Seat belt pretensioner (RH) circuit is shorted to the power supply.
- Pretensioner is faulty.
- Airbag harness is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
# DIAGNOSTIC CHART WITH TROUBLE CODE

## AIRBAG SYSTEM (DIAGNOSTICS)

### Step Value

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> <strong>CHECK SEAT BELT PRETENSIONER.</strong></td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
</tr>
</tbody>
</table>

1. Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2. Disconnect the connector (AB20) from the seat belt pretensioner (RH). <Ref. to SB-7, Front Seat Belt.>
3. Connect the connector (1F) in test harness F to (AB20).
4. Connect the airbag resistor to connector (3F) in test harness F.
5. Connect the battery ground cable, and turn the ignition switch to ON.

Is the airbag warning light turned off after it was illuminating approx. 6 seconds?

---

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2</strong> <strong>CHECK SIDE AIRBAG HARNESS (RH).</strong></td>
<td>1 V</td>
</tr>
</tbody>
</table>

1. Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.
2. Disconnect the airbag resistor from the test harness.
3. Disconnect the connector (AB11) from side airbag module (RH).
4. Disconnect the connectors (AB7) and (AB8) from the airbag control module. <Ref. to AB-18, Airbag Control Module.>
5. Connect the connector (1R) in test harness R to the connector (AB8).
6. Connect the battery ground cable and turn the ignition switch to ON.
7. Measure the voltage between connector (3R) in test harness R and the chassis ground.

**Connector & terminal**

(3R) No. 17 (+) — Chassis ground (−):

(3R) No. 19 (+) — Chassis ground (−):

Is the measured value less than specified value?

---

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Replace the seat belt pretensioner (RH). &lt;Ref. to SB-7, Front Seat Belt.&gt;</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Replace the airbag control module. &lt;Ref. to AB-18, Airbag Control Module.&gt;</td>
</tr>
<tr>
<td><strong>1</strong></td>
<td>Replace the side airbag harness with body harness.</td>
</tr>
</tbody>
</table>
X: DTC 66
DIAGNOSIS:
- Seat belt pretensioner (LH) circuit is shorted to the power supply.
- Pretensioner is faulty.
- Airbag harness is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
- When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | CHECK SEAT BELT PRETENSIONER.  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the connector (AB19) from the seat belt pretensioner (LH). <Ref. to SB-7, Front Seat Belt.>  
3) Connect the connector (1F) in test harness F to (AB19).  
4) Connect the airbag resistor to the connector (3F) in test harness F.  
5) Connect the battery ground cable and turn the ignition switch to ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the seat belt pretensioner (LH). <Ref. to SB-7, Front Seat Belt.> | Go to step 2. |
| 2    | CHECK SIDE AIRBAG HARNESS (LH).  
1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2) Disconnect the airbag resistor from the test harness.  
3) Disconnect the connector (AB9) from side airbag module (LH).  
4) Disconnect the connectors (AB7) and (AB8) from the airbag control module. <Ref. to AB-18, Airbag Control Module.>  
5) Connect the connector (1R) in test harness R to the connector (AB7).  
6) Connect the battery ground cable and turn the ignition switch to ON.  
7) Measure the voltage between connector (3R) in test harness R and the chassis ground.  
*Connector & terminal*  
(3R) No. 11 (+) — Chassis ground (−):  
(3R) No. 13 (+) — Chassis ground (−):  
Is the measured value less than specified value? | 1 V | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
Y: DTC 72

diagnosis:

- Airbag harness is open, shorted or shorted to ground.
- Airbag module harness (Passenger) circuit is open, shorted or shorted to ground.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

caution:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

wiring diagram:
### AIRBAG SYSTEM (DIAGNOSTICS)

#### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>
| 1    | CHECK PASSENGER’S AIRBAG MODULE.  
1)Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2)Remove the glove box.  
3)Disconnect the connector passenger’s airbag module from (AB4).  
4)Connect the connector (1P) in test harness K to connector (AB4).  
5)Connect two airbag resistors to connectors (2P) and (3P) in test harness P.  
6)Connect the battery ground cable and turn the ignition switch ON.  
Is the airbag warning light turned off after it was illuminating approx. 6 seconds? | Airbag warning light is turned off after illuminating approx. 6 seconds. | Replace the passenger’s airbag module.  
<Ref. to AB-16, Passenger’s Airbag Module.> | Go to step 2. |
| 2    | CHECK AIRBAG MAIN HARNESS.  
1)Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.  
2)Disconnect two airbag resistors from the connectors (2P) and (3P) in test harness P.  
3)Remove the lower cover and disconnect the connector (AB2) from (AB30).  
4)Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R.  
5)Measure the resistance between connector (2R) in test harness R and the connector (2P) in test harness P.  
   **Connector & terminal**  
   (2R) No. 9 — (3P) No. 3:  
   (2R) No. 13 — (3P) No. 4:  
Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the airbag main harness together with body harness as a unit. |
| 3    | CHECK AIRBAG MAIN HARNESS.  
Measure the resistance of the connector (2R) in test harness R.  
   **Connector & terminal**  
   (2R) No. 9 — No. 13:  
   (2R) No. 9 — Chassis ground:  
   (2R) No. 13 — Chassis ground:  
Is the measured value more than specified value? | 1 MΩ | Replace the airbag control module.  
<Ref. to AB-18, Airbag Control Module.> | Replace the airbag main harness together with body harness as a unit. |
Z: DTC 76

DIAGNOSIS:
- Airbag main harness (Passenger) circuit is shorted to the power supply.
- Airbag module harness (Passenger) is shorted to the power supply.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:
- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- When inspecting the airbag main harness, disconnect the driver's airbag module and passenger's airbag module connectors for safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>CHECK PASSENGER’S AIRBAG MODULE.</strong>&lt;br&gt;1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.&lt;br&gt;2) Remove the glove box.&lt;br&gt;3) Disconnect the connector (AB4) from passenger’s airbag module.&lt;br&gt;4) Connect the connector (1P) in test harness D to connector (AB4).&lt;br&gt;5) Connect two airbag resistors to connectors (2P) and (3P) in test harness P.&lt;br&gt;6) Connect the battery ground cable and turn the ignition switch ON.&lt;br&gt;Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the passenger’s airbag module. &lt;Ref. to AB-16, Passenger’s Airbag Module.&gt;</td>
</tr>
</tbody>
</table>

| 2 | **CHECK AIRBAG MAIN HARNESS.**<br>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.<br>2) Disconnect two airbag resistors from the connectors (2P) and (3P) in test harness P.<br>3) Remove the lower cover and disconnect the connector (AB2) from (AB30).<br>4) Disconnect the connector (AB3) from the airbag control module, and connect the connector (1R) in test harness R.<br>5) Measure the voltage between connector (2R) in test harness R and the chassis ground. *Connector & terminal*
  -(2R) No. 9 (+) — *Chassis ground* (−)<br>  -(2R) No. 13 (+) — *Chassis ground* (−)<br>Is the measured value less than specified value? | 1 V | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the airbag main harness together with body harness as a unit. |
AA:DTC 81

DIAGNOSIS:
• Lap seat belt pretensioner (RH) circuit is open, shorted or shorted to ground.
• Lap pretensioner is faulty.
• Airbag harness is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
### AIRBAG SYSTEM (DIAGNOSTICS)

#### DIAGNOSTIC CHART WITH TROUBLE CODE

<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. <strong>CHECK LAP SEAT BELT PRETENSIONER.</strong>&lt;br&gt;1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.&lt;br&gt;2) Disconnect the connector (AB25) from the lap seat belt pretensioner (RH).&lt;br&gt;3) Connect the connector (1Q) in test harness Q to (AB25).&lt;br&gt;4) Connect the airbag resistor to connector (2Q) in test harness Q.&lt;br&gt;5) Connect the battery ground cable, and turn the ignition switch to ON.&lt;br&gt;Is the airbag warning light turned off after it was illuminating approx. 6 seconds?</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the lap seat belt pretensioner (RH). &lt;Ref. to SB-7, FRONT OUTER SEAT BELT WITH LAP PRETENSIONER, REMOVAL, Front Seat Belt.&gt;</td>
<td>Go to step 2.</td>
</tr>
</tbody>
</table>

| 2. **CHECK SIDE AIRBAG HARNESS (RH).**<br>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.<br>2) Disconnect the airbag resistor from the test harness.<br>3) Disconnect the connector (AB11) from side airbag module (RH).<br>4) Disconnect the connectors (AB20) from seat belt pretensioner.<br>5) Disconnect the connector (AB8) from airbag control module.<br>6) Connect the connector (1R) in test harness R to the connector (AB8).<br>7) Measure the resistance between connector (3R) in test harness R and connector (2Q) in test harness Q.<br>**Connector & terminal**<br>(3R) No. 2 — (2Q) No. 4:<br>(3R) No. 4 — (2Q) No. 3:<br>Is the measured value less than specified value? | 10 Ω | Go to step 3. | Replace the side airbag harness with body harness. |

| 3. **CHECK SIDE AIRBAG HARNESS.**<br>Measure the resistance between the connector (3R) in test harness R and the chassis ground.<br>**Connector & terminal**<br>(3R) No. 2 — (3R) No. 4:<br>(3R) No. 2 — Chassis ground:<br>(3R) No. 4 — Chassis ground:<br>Is the measured value more than specified value? | 1 MΩ | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
AB: DTC 85

DIAGNOSIS:
• Lap seat belt pretensioner (RH) circuit is shorted to the power supply.
• Lap retensioner is faulty.
• Pretensioner harness is faulty.
• Airbag control module is faulty.

CAUTION:
• Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait more than 20 seconds before starting to work.
• When inspecting the side airbag harness, disconnect the side airbag module connector and seat belt pretensioner connector for the safety reasons.

WIRING DIAGRAM:
<table>
<thead>
<tr>
<th>Step</th>
<th>Value</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 CHECK LAP SEAT BELT PRETENSIONER.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds.</td>
<td>Airbag warning light is turned off after illuminating approx. 6 seconds.</td>
<td>Replace the lap seat belt pretensioner (RH). &lt;Ref. to SB-7, FRONT OUTER SEAT BELT WITH LAP PRETENSIONER, REMOVAL, Front Seat Belt.&gt;</td>
<td>Go to step 2.</td>
</tr>
<tr>
<td>2) Disconnect the connector (AB25) from the lap seat belt pretensioner (RH).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Connect the connector (1Q) in test harness Q to (AB25).</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Connect the airbag resistor to the connector (2Q) in test harness Q.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) Connect the battery ground cable and turn the ignition switch to ON.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check the airbag warning light is turned off after it was illuminating approx. 6 seconds.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2 CHECK SIDE AIRBAG HARNESS (RH). | | | |
| 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait more than 20 seconds. | 1 V | Replace the airbag control module. <Ref. to AB-18, Airbag Control Module.> | Replace the side airbag harness with body harness. |
| 2) Disconnect the airbag resistor from the test harness. | | | |
| 3) Disconnect the connector (AB11) from side airbag module (RH). | | | |
| 4) Disconnect the connector (AB20) from seat belt pretensioner. | | | |
| 5) Disconnect the connectors (AB7) and (AB8) from the airbag control module. | | | |
| 6) Connect the connector (1R) in test harness R to the connector (AB7). | | | |
| 7) Connect the battery ground cable and turn the ignition switch to ON. | | | |
| 8) Measure the voltage between connector (3R) in test harness R and the chassis ground. | | | |
| **Connector & terminal** | | | |
| (3R) No. 2 (+) — Chassis ground (−): | | | |
| (3R) No. 4 (+) — Chassis ground (−): | | | |
| Is the measured value less than specified value? | | | |

