

## 11. Diagnostic Chart with Trouble Code

S002630

### A: TROUBLE CODE 11

S002630C38

#### DIAGNOSIS:

- Airbag main harness circuit 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 OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll controller, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<p><b>CHECK DRIVER'S AIRBAG MODULE.</b></p> <p>1) Turn the ignition switch OFF, disconnect battery ground cable, and wait more than 20 seconds.</p> <p>2) Remove the driver's airbag module. &lt;Ref. to AB-9 REMOVAL, Driver's Airbag Module.&gt;</p> <p>3) Connect the connector (1F) in test harness F into connector (AB7).</p> <p>4) Connect airbag resistor to connector (3F) in test harness F.</p> <p>5) Connect the battery ground cable and turn the ignition switch ON.</p>	Does the airbag warning light operate properly?	Replace the driver's airbag module. <Ref. to AB-9 INSTALLATION, Driver's Airbag Module.>	Go to step 2.
2	<p><b>CHECK ROLL CONNECTOR.</b></p> <p>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 second.</p> <p>2) Disconnect the test harness F from the connector (AB7).</p> <p>3) Remove the lower cover panel, disconnect the connector (AB3) from (AB8) and connect the connector (1F) in test harness F to connector (AB8).</p> <p>4) Connect the airbag resistor to connector (3F) in test harness F.</p> <p>5) Connect the battery ground cable and turn the ignition switch ON.</p>	Does the airbag warning light operate properly?	Replace the roll connector. <Ref. to AB-14 REMOVAL, Roll Connector.>	Go to step 3.

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## Airbag System

No.	Step	Check	Yes	No
3	<p><b>CHECK AIRBAG MAIN HARNESS.</b></p> <p>1) Turn the ignition switch OFF, disconnect the ground cable, and wait more than 20 seconds.</p> <p>2) Disconnect the airbag resistor from the connector (3F) in test harness F.</p> <p>3) Remove the glove box, &lt;Ref. to EI-23 REMOVAL, Glove Box.&gt; and disconnect the connector (AB9) and (AB10).</p> <p>4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. &lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</p> <p>5) Measure the resistance between connector (2I) in test harness I or I2 and the connector (3F) in test harness F.</p> <p><b>Connector &amp; terminal</b></p> <p>(2I) No. 1 — (3F) No. 4:            (2I) No. 4 — (3F) No. 3:</p>	Is the resistance less than 10 Ω?	Go to step 4.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
4	<p><b>CHECK AIRBAG MAIN HARNESS</b></p> <p>Measure the resistance of the connector (2I) in test harness I or I2.</p> <p><b>Connector &amp; terminal</b></p> <p>(2I) No. 1 — No. 4:            (2I) No. 4 (+) — Chassis ground (-):            (2I) No. 1 (+) — Chassis ground (-):</p>	Is the resistance more than 1 MΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

**B: TROUBLE CODE 12** S002630C40**DIAGNOSIS:**

- Airbag main harness circuit 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.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK PASSENGER'S AIRBAG MODULE.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the glove box. <Ref. to EI-23 REMOVAL, Glove Box.> 3) Disconnect the connector (AB10) from (AB9). 4) Connect the connector (1K) in test harness K to connector (AB9). 5) Connect two airbag resistors to connectors (3K) and (4K) in test harness K. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the passenger's airbag module. <Ref. to AB-11 REMOVAL, Passengers Airbag Module.>	Go to step 2.
2	<b>CHECK AIRBAG MAIN HARNESS.</b> 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 (3K) and (4K) in test harness K. 3) Remove the lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Measure the resistance between connector (2I) in test harness I or I2 and the connector (3K) in test harness K. <b>Connector &amp; terminal</b> (2I) No. 2 — (3K) No. 4: (2I) No. 5 — (3K) No. 3:	Is the resistance less than 10 $\Omega$ ?	Go to step 3.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
3	<b>CHECK AIRBAG MAIN HARNESS.</b> Measure the resistance of the connector (2I) in test harness I or I2. <b>Connector &amp; terminal</b> (2I) No. 2 — No. 5: (2I) No. 2 (+) — Chassis ground (-): (2I) No. 2 (+) — Chassis ground (-):	Is the resistance more than 1 M $\Omega$ ?	Replace the airbag control module. <Ref. to AB-11 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

# DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

## C: TROUBLE CODE 15 S002630C41

### DIAGNOSIS:

- Airbag main harness circuit (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 OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK DRIVER'S AIRBAG MODULE.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the driver's airbag module. <Ref. to AB-9 REMOVAL, Driver's Airbag Module.> 3) Connect the connector (AB7) to connector (1F) in test harness F. 4) Connect the airbag resistor to connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch OFF.	Does the airbag warning light operate properly?	Replace the driver's airbag module. <Ref. to AB-9 INSTALLATION, Driver's Airbag Module.>	Go to step 2.
2	<b>CHECK ROLL CONNECTOR.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the test harness from the connector (AB7). 3) Remove the lower cover panel and disconnect the connector (AB3) from (AB8). 4) Connect the connector (1F) in test harness F to connector (AB8). 5) Connect the airbag resistor to connector (3F) in test harness F. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the roll connector. <Ref. to AB-14 REMOVAL, Roll Connector.>	Go to step 3.

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No.	Step	Check	Yes	No
3	<p><b>CHECK AIRBAG MAIN HARNESS.</b></p> <p>1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds.</p> <p>2) Disconnect the air bag resistor from the connector (3F) in test harness F.</p> <p>3) Remove the glove box, &lt;Ref. to EI-23 REMOVAL, Glove Box.&gt; and disconnect connectors (AB9) and (AB10).</p> <p>4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. &lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</p> <p>5) Connect the battery ground cable and turn the ignition switch ON. (Engine OFF.)</p> <p>6) Measure the voltage between connector (2I) in test harness I or I2 and the chassis ground.</p> <p><b>Connector &amp; terminal</b></p> <p>(2I) No. 4 (+) — <i>Chassis ground (-):</i></p> <p>(2I) No. 1 (+) — <i>Chassis ground (-):</i></p>	Is the voltage less than 1 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

# DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

## D: TROUBLE CODE 16 S002630C42

### DIAGNOSIS:

- Airbag main harness circuit (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 OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK PASSENGER'S AIRBAG MODULE.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the glove box. <Ref. to EI-23 REMOVAL, Glove Box.> 3) Disconnect the connector (AB10) from (AB9). 4) Connect the connector (1K) in test harness K to connector (AB9). 5) Connect two airbag resistors to connectors (3K) and (4K) in test harness K. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the air bag warning light operate properly?	Replace the passenger's airbag module. <Ref. to AB-11 REMOVAL, Passenger's Airbag Module.>	Go to step 2.
2	<b>CHECK AIRBAG MAIN HARNESS.</b> 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 (3K) and (4K) in test harness K. 3) Remove the lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Measure the voltage between connector (2I) in test harness I or I2 and chassis ground. <b>Connector &amp; terminal</b> (2I) No. 2 (+) — Chassis ground (-): (2I) No. 5 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

**E: TROUBLE CODE 21** S002630C45**DIAGNOSIS:**

- 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.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.

No.	Step	Check	Yes	No
1	<b>CHECK IF TROUBLE CODE 21 IS INDICATED.</b> Read Diagnostics Trouble Code. <Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>	Is airbag warning light trouble code 21 indicated?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Perform clear memory. <Ref. to AB-21 OPERATION, Clear Memory Mode.>

**F: TROUBLE CODE 22** S002630C51

This code is indicated when the airbag is in operation.

Once this code is indicated, memory is not erasable; therefore change the following parts.

- Airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>
- Driver's airbag module. <Ref. to AB-9 REMOVAL, Driver's Airbag Module.>
- Passenger's airbag module. <Ref. to AB-11 REMOVAL, Passenger's Airbag Module.>
- Front sub-sensor of both sides. <Ref. to AB-16 REMOVAL, Front Sub-sensor.>

**G: TROUBLE CODE 23** S002630C56**DIAGNOSIS:**

(AB6) is not connected properly to airbag control module.

**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.

No.	Step	Check	Yes	No
1	<b>CHECK POOR CONTACT IN CONECTOR (AB6).</b> 1) Turn the ignition switch OFF, remove the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Check if rust or damage appear on the harness connector and the control connector.	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.> Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>	Go to step 2.
2	<b>CHECK POOR CONTACT IN CONECTOR (AB6).</b> 1) Ensure that connectors are firmly reconnected. 2) Connect the battery ground cable and turn the ignition switch ON.	Does the air bag warning light operate properly?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>

# DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

## H: TROUBLE CODE 24 S002630C61

### DIAGNOSIS:

- Airbag control module is faulty.
- Airbag main harness circuit is open.
- Fuse No. 11 (in fuse box) is blown.
- Body harness circuit is open.

### 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.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK AIRBAG CONTROL MODULE.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from the airbag control module. 3) Connect the connector (1I) in test harness I or I2 to connector (AB6). <Ref. to AB-13 REMOVAL, Airbag Control Module.> 4) Connect the battery ground cable and turn the ignition switch ON. 5) Measure the voltage between connector (2I) in test harness I or I2 and chassis ground. <b>Connector &amp; terminal</b> <b>(2I) No. 3 (+) — Chassis ground (-):</b>	Is the voltage more than 10 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	<b>CHECK AIRBAG MAIN HARNESS.</b> 1) While checking airbag control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Connect the connector (2A) in test harness A to connector (AB1). 4) Measure the resistance between connector (5A) in test harness A and the connector (2I) in test harness I or I2. <b>Connector &amp; terminal</b> <b>(5A) No. 9 — (2I) No. 3:</b>	Is the resistance less than 10 Ω?	Go to step 3.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
3	<b>CHECK AIRBAG MAIN HARNESS.</b> Measure the following resistance with the above-mentioned condition maintained. <b>Connector &amp; terminal</b> <b>(5A) No. 9 (+) — Chassis ground (-):</b> <b>(2I) No. 3 (+) — Chassis ground (-):</b>	Is the resistance more than 1 MΩ?	Go to step 4.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
4	<b>CHECK FUSE No. 11 (IN FUSE BOX).</b> 1) Confirm that the ignition switch is turned OFF. 2) Remove fuse No. 11 (in fuse box) and perform visual inspection.	Is fuse No. 11 blown?	Replace fuse No. 11. If fuse No. 11 blows again, repair the body harness.	Repair the body harness.

**I: TROUBLE CODE 25** S002630C66**DIAGNOSIS:**

- Airbag control module is faulty.
- Airbag main harness circuit is open.
- Fuse No. 6 (in fuse box) is blown.
- Body harness circuit is open.

**CAUTION:**

- Before diagnosing the airbag system, be sure to turn ignition switch OFF, disconnect the ground cable from the battery, and wait for more than 20 seconds before starting work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK AIRBAG CONTROL MODULE.</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from airbag control module. 3) Connect the connector (1I) in test harness I or I2 to connector (AB6). <small>&lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</small> 4) Connect the battery ground cable, and turn the ignition switch ON. 5) Measure the voltage between the connector (2I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(2I) No. 6 (+) — Chassis ground (-):</b>	Is the voltage more than 10 V?	Replace the airbag control module. <small>&lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</small>  Go to step 2.	
2	<b>CHECK AIRBAG MAIN HARNESS.</b> 1) While checking airbag control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Connect the connector (2A) in test harness A to the airbag connector (AB1) 4) Measure the resistance between the connector (5A) in test harness A and the connector (2I) in test harness I or I2. <b>Connector &amp; terminal</b> <b>(5A) No. 1 — (2I) No. 6:</b>	Is the resistance less than 10 $\Omega$ ?	Go to step 3.	Replace the airbag main harness. <small>&lt;Ref. to AB-12 REMOVAL, Main Harness.&gt;</small>
3	<b>CHECK AIRBAG MAIN HARNESS.</b> Measure the following resistance with the above-mentioned condition maintained. <b>Connector &amp; terminal</b> <b>(5A) No. 1 (+) — Chassis ground (-):</b> <b>(2I) No. 6 (+) — Chassis ground (-):</b>	Is the resistance more than 1 $M\Omega$ ?	Go to step 4.	Replace the airbag main harness. <small>&lt;Ref. to AB-12 REMOVAL, Main Harness.&gt;</small>
4	<b>CHECK FUSE NO. 6 (IN FUSE BOX).</b> 1) Confirm that the ignition switch is turned OFF. 2) Remove No. 6 fuse (in fuse box) and perform visual inspection.	Is fuse No. 6 blown?	Replace fuse No. 6. If fuse No. 6 is blown again, repair the body harness.	Repair the body harness.

# DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

## J: TROUBLE CODE 31 S002630C89

### DIAGNOSIS:

- Front sub-sensor harness (RH) circuit is shorted.
- Front sub-sensor harness (RH) circuit is open.
- Front sub-sensor (RH) is faulty.
- Airbag control module is faulty.

### CAUTION:

- Before diagnosing the airbag system, be sure to turn ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK FRONT SUB-SENSOR (RH) AND FRONT SUB-SENSOR HARNESS (RH).</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 3) Measure the resistance of the connector (3I) in test harness I or I2. <b>Connector &amp; terminal</b> <b>(3I) No. 2 — No. 4:</b>	Is the resistance between 750Ω and 1 KΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	<b>CHECK FRONT SUB-SENSOR (RH) AND FRONT SUB-SENSOR HARNESS (RH).</b> Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(3I) No. 2 (+) — Chassis ground (-):</b> <b>(3I) No. 4 (+) — Chassis ground (-):</b>	Is the resistance more than 1 MΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 3.
3	<b>CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH).</b> 1) Disconnect connector (AB16) from the front sub-sensor. <Ref. to AB-16 REMOVAL, Front Sub Sensor.> 2) Connect connector (IH) in test harness H to connector (AB16). 3) Measure the resistance between connector (3I) in test harness I or I2 and connector (3H) in test harness H. <b>Connector &amp; terminal</b> <b>(3I) No. 2 — (3H) No. 5:</b> <b>(3I) No. 4 — (3H) No. 6:</b>	Is the resistance less than 10Ω?	Go to step 4.	Go to step 5.
4	<b>CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH).</b> Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(3I) No. 2 (+) — Chassis ground (-):</b> <b>(3I) No. 4 (+) — Chassis ground (-):</b>	Is the resistance more than 1 MΩ?	Go to step 9.	Go to step 5.

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No.	Step	Check	Yes	No
5	<b>CHECK AIRBAG MAIN HARNESS.</b> 1) Disconnect connector (AB14) from (AB15), and connect connector (2F) in test harness F to connector (AB14). 2) Measure the resistance between connector (3I) in test harness I or I2 and connector (3F) in test harness F. <b>Connector &amp; terminal</b> <b>(3I) No. 2 — (3F) No. 6:</b> <b>(3I) No. 4 — (3F) No. 5:</b>	Is the resistance less than 10 $\Omega$ ?	Go to step 6.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
6	<b>CHECK AIRBAG MAIN HARNESS.</b> Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(3I) No. 2 (+) — Chassis ground (-):</b> <b>(3I) No. 4 (+) — Chassis ground (-):</b>	Is the resistance more than 1 M $\Omega$ ?	Go to step 7.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
7	<b>CHECK FRONT SUB-SENSOR HARNESS (RH).</b> 1) Connect connector (1F) in test harness F to the connector (AB15). 2) Measure the resistance between connector (3H) in test harness H and connector (3F) in the test harness F. <b>Connector &amp; terminal</b> <b>(3F) No. 3 — (3H) No. 5:</b> <b>(3F) No. 4 — (3H) No. 6:</b>	Is the resistance less than 10 $\Omega$ ?	Go to step 8.	Replace the front sub-sensor harness (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
8	<b>CHECK FRONT SUB-SENSOR HARNESS (RH).</b> Measure the resistance between connector (3F) in test harness F and the chassis ground. <b>Connector &amp; terminal</b> <b>(3F) No. 3 (+) — Chassis ground (-):</b> <b>(3F) No. 4 (+) — Chassis ground (-):</b>	Is the resistance more than 1 M $\Omega$ ?	Go to step 9.	Replace the front sub-sensor harness (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
9	<b>CHECK FRONT SUB-SENSOR (RH).</b> 1) Connect connector (2H) in test harness H to front sub-sensor (RH). 2) Measure the resistance of the connector (3H) in test harness H. <b>Connector &amp; terminal</b> <b>(3H) No. 3 — No. 4:</b>	Is the resistance between 750 $\Omega$ and 1 K $\Omega$ ?	Go to step 10.	Replace the front sub-sensor (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
10	<b>CHECK FRONT SUB-SENSOR (RH).</b> Measure resistance between connector (3H) in test harness H and the chassis ground. <b>Connector &amp; terminal</b> <b>(3H) No. 3 (+) — Chassis ground (-):</b> <b>(3H) No. 4 (+) — Chassis ground (-):</b>	Is the resistance more than 1 M $\Omega$ ?	Finish the diagnosis.	Replace the front sub-sensor (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>

# DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

## K: TROUBLE CODE 32 S002630C95

### DIAGNOSIS:

- Front sub-sensor harness (LH) circuit is shorted.
- Front sub-sensor harness (LH) circuit is open.
- Front sub-sensor (LH) is faulty.
- Airbag control module is faulty.

### CAUTION:

- Before diagnosing the airbag system, be sure to turn ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	<b>CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (LH).</b> 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect connector (AB6) from the air bag control module, and connect connector (1I) in the harness I or I2 to connector (AB6). <small>&lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</small> 3) Measure the resistance of the connector (3I) in test harness I or I2. <b>Connector &amp; terminal</b> <b>(3I) No. 1 — No. 3:</b>	Is the resistance between 750Ω and 1 KΩ?	Replace the air-bag control module. <small>&lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</small>	Go to step 2.
2	<b>CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (LH).</b> Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(3I) No. 1 (+) — Chassis ground (-):</b> <b>(3I) No. 3 (+) — Chassis ground (-):</b>	Is the resistance more than 1 MΩ?	Replace the air-bag control module. <small>&lt;Ref. to AB-13 REMOVAL, Airbag Control Module.&gt;</small>	Go to step 3.
3	<b>CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH).</b> 1) Disconnect the connector (AB13) from the front sub-sensor. <small>&lt;Ref. to AB-16 REMOVAL, Front Sub Sensor.&gt;</small> 2) Connect connector (1H) in test harness H to connector (AB13). 3) Measure the resistance between connector (3I) in test harness I or I2 and connector (3H) in test harness H. <b>Connector &amp; terminal</b> <b>(3I) No. 3 — (3H) No. 5:</b> <b>(3I) No. 1 — (3H) No. 6:</b>	Is the resistance less than 10 Ω?	Go to step 4.	Go to step 5.
4	<b>CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH).</b> Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> <b>(3I) No. 3 (+) — Chassis ground (-):</b> <b>(3I) No. 1 (+) — Chassis ground (-):</b>	Is the resistance more than 1 MΩ?	Go to step 9.	Go to step 5.

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No.	Step	Check	Yes	No
5	<b>CHECK AIRBAG MAIN HARNESS.</b> 1) Disconnect connector (AB11) from (AB12), and connect connector (2F) in test harness F to (AB11). 2) Measure the resistance between connector (3I) in test harness I or I2 and connector (3F) in test harness F. <b>Connector &amp; terminal</b> (3I) No. 3 — (3F) No. 6: (3I) No. 1 — (3F) No. 5:	Is the resistance less than 10 $\Omega$ ?	Go to step 6.	Replace the airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
6	<b>CHECK AIRBAG MAIN HARNESS.</b> Measure the resistance between connector (3I) in the test harness I or I2 and the chassis ground. <b>Connector &amp; terminal</b> (3I) No. 3 (+) — Chassis ground (-): (3I) No. 1 (+) — Chassis ground (-):	Is the resistance more than 1 M $\Omega$ ?	Go to step 7.	Replace the airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
7	<b>CHECK FRONT SUB-SENSOR HARNESS (LH).</b> 1) Connect connector (1F) in test harness F to connector (AB12). 2) Measure the resistance between the connector (3H) in test harness H and connector (3F) in test harness F. <b>Connector &amp; terminal</b> (3F) No. 3 — (3H) No. 5: (3F) No. 4 — (3H) No. 6:	Is the resistance less than 10 $\Omega$ ?	Go to step 8.	Replace the front sub-sensor harness (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
8	<b>CHECK FRONT SUB-SENSOR HARNESS (LH).</b> Measure the resistance between connector (3F) in test harness F and the chassis ground. <b>Connector &amp; terminal</b> (3F) No. 3 (+) — Chassis ground (-): (3F) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 M $\Omega$ ?	Go to step 9.	Replace the front sub-sensor harness (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
9	<b>CHECK FRONT SUB-SENSOR (LH).</b> 1) Connect connector (2H) in test harness H to front sub-sensor (LH). 2) Measure the resistance of the connector (3H) in test harness H. <b>Connector &amp; terminal</b> (3H) No. 3 — No. 4:	Is the resistance between 750 $\Omega$ and 1 K $\Omega$ ?	Go to step 10.	Replace the front sub-sensor (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
10	<b>CHECK FRONT SUB-SENSOR (LH).</b> Measure the resistance between connector (3H) in test harness H and the chassis ground. <b>Connector &amp; terminal</b> (3H) No. 3 (+) — Chassis ground (-): (3H) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 M $\Omega$ ?	Finish the diagnosis.	Replace the front sub-sensor (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>

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**MEMO:**