

5. Diagnostics Chart with Trouble Code

A: TROUBLE CODES

1. LIST OF TROUBLE CODES

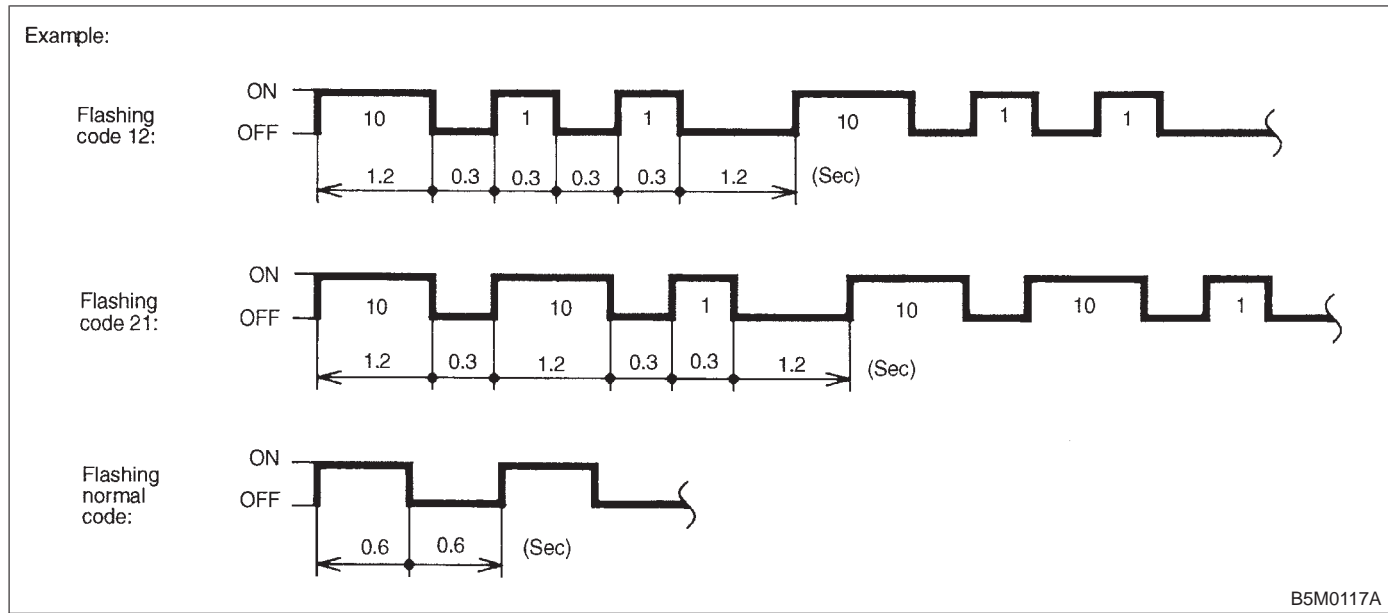
Trouble code/ Contents of troubles	Memory function	Contents of diagnosis	Index No.
11	Provided.	<ul style="list-style-type: none"> ● Airbag main harness circuit is open, shorted or shorted to ground. ● Airbag module harness (driver) circuit is open, shorted or shorted to ground. ● Roll connector circuit is open, shorted or shorted to ground. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5B0].>
12	Provided.	<ul style="list-style-type: none"> ● Airbag main harness circuit is open, shorted or shorted to ground. ● Airbag module harness (passenger) circuit is open, shorted or shorted to ground. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5C0].>
15	Provided.	<ul style="list-style-type: none"> ● Airbag main harness circuit (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. 	<Ref. to 5-5 [T5D0].>
16	Provided.	<ul style="list-style-type: none"> ● Airbag main harness circuit (passenger) is shorted to power supply. ● Airbag module harness (passenger) is shorted to power supply. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5E0].>
21	Provided.	Airbag control module is faulty.	<Ref. to 5-5 [T5F0].>
22	Provided.	Front airbag module and ELR with pretensioner (LH/RH) are inflated.	<Ref. to 5-5 [T5G0].>
23	Not provided.	(AB6), (AB17) and (AB18) are not connected properly to airbag control module.	<Ref. to 5-5 [T5H0].>
24	Not provided.	<ul style="list-style-type: none"> ● Airbag control module is faulty. ● Airbag main harness circuit is open. ● Fuse No. 11 (in joint box) is blown. ● Body harness circuit is open. 	<Ref. to 5-5 [T5I0].>
25	Provided.	<ul style="list-style-type: none"> ● Airbag control module is faulty. ● Airbag main harness circuit is open. ● Fuse No. 6 (in joint box) is blown. ● Body harness circuit is open. 	<Ref. to 5-5 [T5J0].>
31	Provided.	<ul style="list-style-type: none"> ● 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. 	<Ref. to 5-5 [T5K0].>
32	Provided.	<ul style="list-style-type: none"> ● 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. 	<Ref. to 5-5 [T5L0].>
41	Provided.	<ul style="list-style-type: none"> ● Side airbag harness (RH) is faulty. ● Side airbag module (RH) is faulty. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5M0].>
42	Provided.	<ul style="list-style-type: none"> ● Side airbag harness (LH) is faulty. ● Side airbag module (LH) is faulty. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5N0].>
45	Provided.	<ul style="list-style-type: none"> ● Side airbag harness (RH) is faulty. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5O0].>

Trouble code/ Contents of troubles	Memory function	Contents of diagnosis	Index No.
46	Provided.	<ul style="list-style-type: none"> ● Side airbag harness (LH) is faulty. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5P0].>
51	Provided.	<ul style="list-style-type: none"> ● Side airbag sensor (RH) is faulty. ● Side airbag harness (RH) is faulty. 	<Ref. to 5-5 [T5Q0].>
52	Provided.	<ul style="list-style-type: none"> ● Side airbag sensor (LH) is faulty. ● Side airbag harness (LH) is faulty. 	<Ref. to 5-5 [T5R0].>
53	Provided.	Side airbag sensor (RH) is faulty.	<Ref. to 5-5 [T5S0].>
54	Provided.	Side airbag sensor (LH) is faulty.	<Ref. to 5-5 [T5T0].>
55	Provided.	Side airbag module is inflated.	<Ref. to 5-5 [T5U0].>
61	Provided.	<ul style="list-style-type: none"> ● ELR with pretensioner (RH) circuit is open, shorted or shorted to ground. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5V0].>
62	Provided.	<ul style="list-style-type: none"> ● ELR with pretensioner (LH) circuit is open, shorted or shorted to ground. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5W0].>
65	Provided.	ELR with pretensioner (RH) circuit is shorted to power supply.	<Ref. to 5-5 [T5X0].>
66	Provided.	ELR with pretensioner (LH) circuit is shorted to power supply.	<Ref. to 5-5 [T5Y0].>
Airbag warning light remains on.	Not provided.	<ul style="list-style-type: none"> ● Airbag warning light is faulty. ● Airbag control module to airbag warning light harness circuit is shorted or open. ● Grounding circuit is faulty. ● Airbag control module is faulty. ● (AB1) and (B31) are not connected properly. ● (AB6) is not connected properly to airbag control module. 	<Ref. to 5-5 [T5Z0].>
Airbag warning light remains off.	Not provided.	<ul style="list-style-type: none"> ● Fuse No. 5 (in main fuse box) is blown. ● Body harness circuit is open. ● Airbag warning light is faulty. ● Airbag main harness is faulty. ● Airbag control module is faulty. 	<Ref. to 5-5 [T5AA0].>
Warning light indicates trouble code, then normal code. (Flashing trouble code.)	Provided.	Airbag system component parts are faulty.	<Ref. to 5-5 [T5AB0].>
Warning light indicates trouble code, then normal code. (Flashing normal code.)	Not provided.	<ul style="list-style-type: none"> ● Airbag connector is faulty. ● Fuse No. 11 (in joint box) is blown. ● Airbag main harness is faulty. ● Airbag control module is faulty. ● Body harness is faulty. 	<Ref. to 5-5 [T5AC0].>

2. HOW TO READ TROUBLE CODES

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".



B: TROUBLE CODE 11**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.
- Airbag control module is faulty.

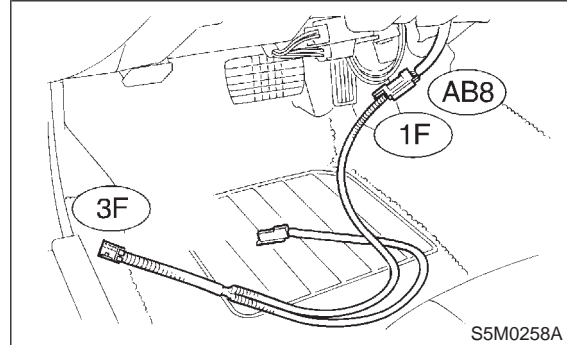
CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

5B1 : AIRBAG MAIN HARNESS INSPECTION

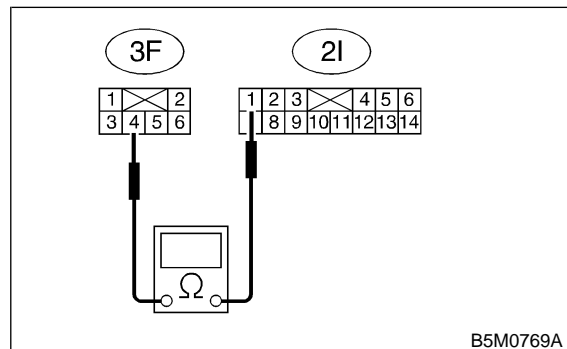
- 1) Remove lower cover panel <Ref. to 5-4 [W1A0].>, and connect connector (AB8) below steering column to test harness F connector (1F).



- 2) Disconnect connector (AB6) <Ref. to 5-5 [W6A0].> from airbag control module, and connect it to test harness I or I2 connector (1I) terminal.
- 3) Measure resistance between test harness I or I2 connector (2I) and test harness F connector (3F) terminals.

Connector & terminal

(2I) No. 1 — (3F) No. 4:



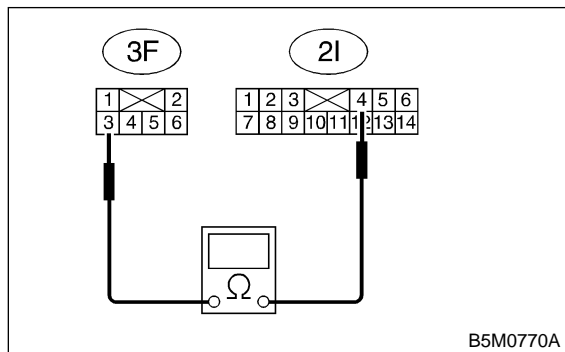
- CHECK** : *Is resistance less than 10 Ω?*
- YES** : Go to step 5B2.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5B2 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (2I) and test harness F connector (3F) terminals.

Connector & terminal

(2I) No. 4 — (3F) No. 3:



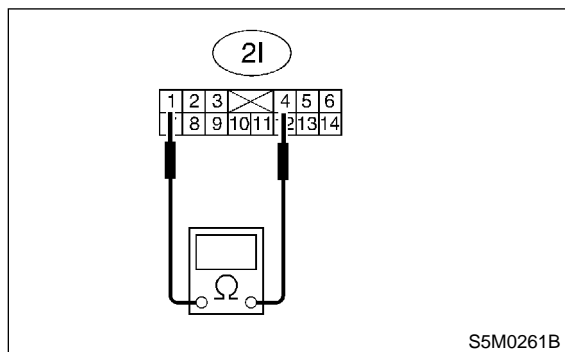
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5B3.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5B3 : AIRBAG MAIN HARNESS INSPECTION

1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
2) Measure resistance between test harness I or I2 connector (2I) terminal.

Connector & terminal

(2I) No. 1 — No. 4:



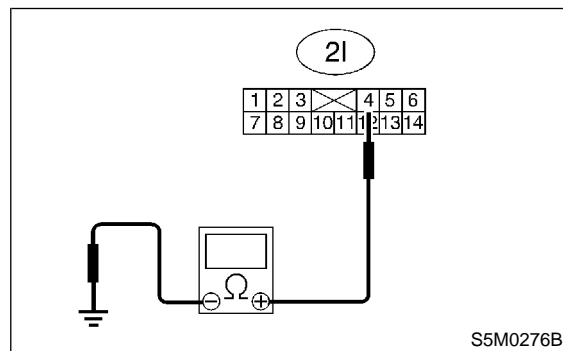
- CHECK** : Is resistance more than 1 MΩ?
- YES** : Go to step 5B4.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5B4 : AIRBAG MAIN HARNESS INSPECTION

1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
2) Measure resistance between test harness I or I2 connector (2I) terminals and chassis ground.

Connector & terminal

(2I) No. 4 (+) — Chassis ground (-):



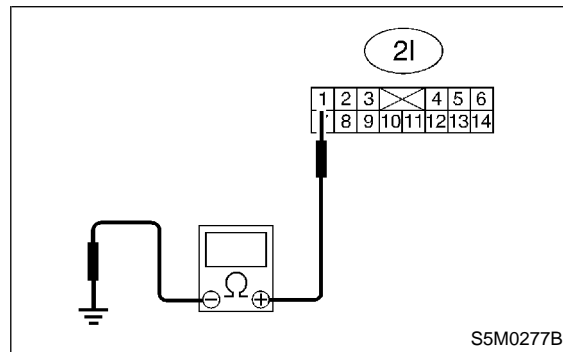
- CHECK** : Is resistance more than 1 MΩ?
- YES** : Go to step 5B5.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5B5 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (2I) terminals and chassis ground.

Connector & terminal

(2I) No. 1 (+) — Chassis ground (-):



- CHECK** : Is resistance more than 1 MΩ?
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

C: TROUBLE CODE 12

DIAGNOSIS:

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

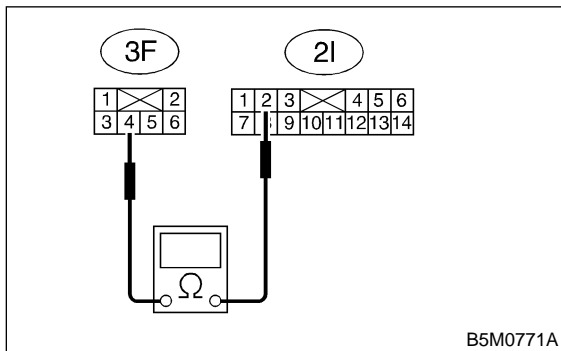
After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

5C1 : AIRBAG MAIN HARNESS INSPECTION

- 1) Remove glove box. <Ref. to 5-4 [W1A0].>
- 2) Disconnect connector (AB9) and (AB10) <Ref. to 5-5 [W3A2].> and connect connector (AB9) to test harness F connector (1F).
- 3) Disconnect connector (AB6) <Ref. to 5-5 [W6A0].> from airbag control module, and connect it to test harness I or I2 connector (1I) terminal.
- 4) Measure resistance between test harness I or I2 connector (2I) and test harness F connector (3F) terminals.

Connector & terminal

(2I) No. 2 — (3F) No. 4:



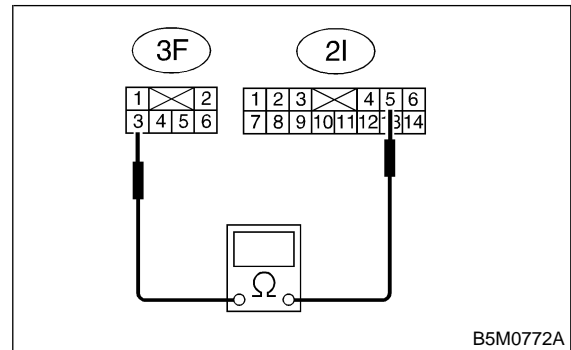
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5C2.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5C2 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (2I) and test harness F connector (3F) terminals.

Connector & terminal

(2I) No. 5 — (3F) No. 3:



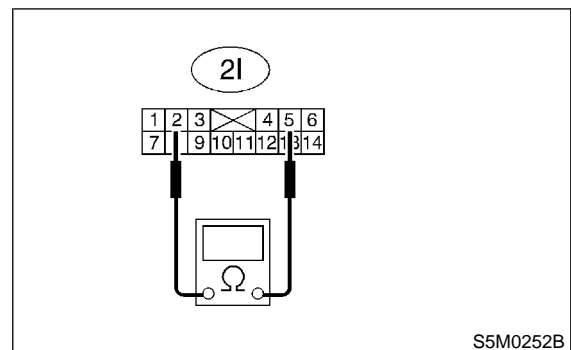
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5C3.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5C3 : AIRBAG MAIN HARNESS INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I) terminal.
- 2) Measure resistance between test harness I or I2 connector (2I) terminal.

Connector & terminal

(2I) No. 2 — No. 5:



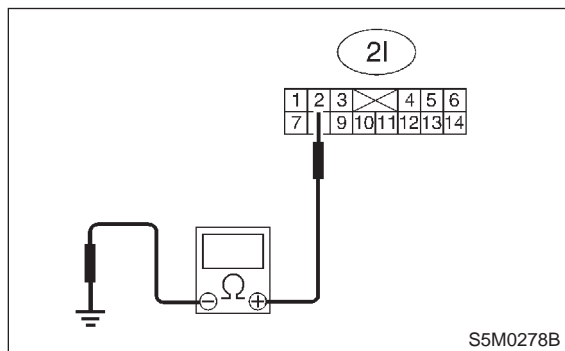
- CHECK** : Is resistance more than 10 kΩ?
- YES** : Go to step 5C4.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5C4 : AIRBAG MAIN HARNESS INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Measure resistance between test harness I or I2 connector (2I) terminals and chassis ground.

Connector & terminal

(2I) No. 2 (+) — Chassis ground (-):



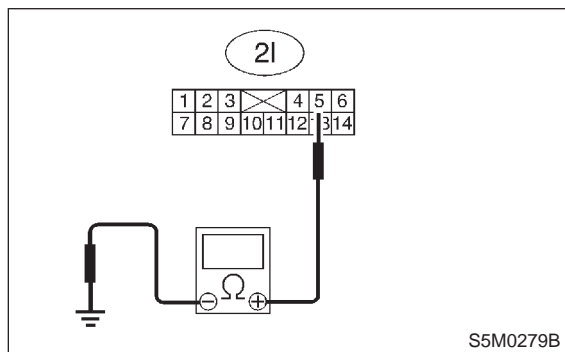
- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Go to step **5C5**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5C5 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (2I) terminals and chassis ground.

Connector & terminal

(2I) No. 5 (+) — Chassis ground (-):



- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

D: TROUBLE CODE 15

DIAGNOSIS:

- Airbag main harness circuit (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.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch “OFF”, disconnect battery ground terminal and then wait at least 20 seconds.

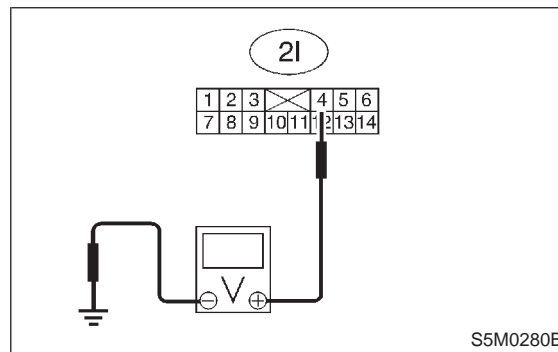
After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

5D1 : AIRBAG MAIN HARNESS INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Connect battery ground cable and turn ignition switch “ON” (engine off).
- 3) Measure voltage across each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 4 (+) — Chassis ground (-):



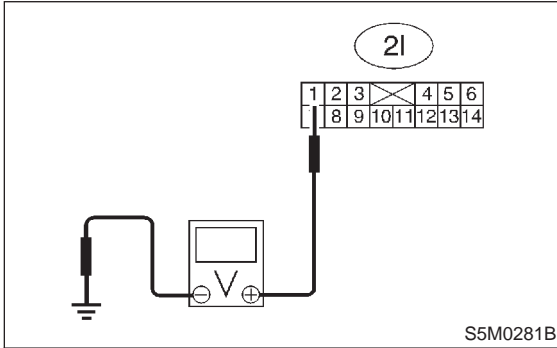
- CHECK** : **Is voltage less than 1 V?**
- YES** : Go to step **5D2**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5D2 : AIRBAG MAIN HARNESS INSPECTION

Measure voltage across each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 1 (+) — Chassis ground (-):



- CHECK** : **Is voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

E: TROUBLE CODE 16**DIAGNOSIS:**

- Airbag main harness circuit (Passenger) is shorted to power supply.
- Airbag module harness (Passenger) is shorted to power supply.
- Airbag control module is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal and then wait at least 20 seconds.

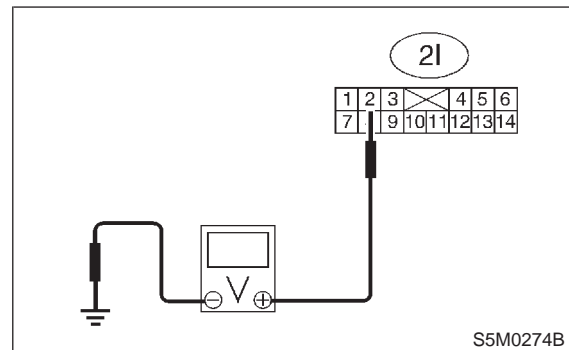
After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

5E1 : AIRBAG MAIN HARNESS INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Connect battery ground cable and turn ignition switch "ON" (engine off).
- 3) Measure voltage across each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 2 (+) — Chassis ground (-):



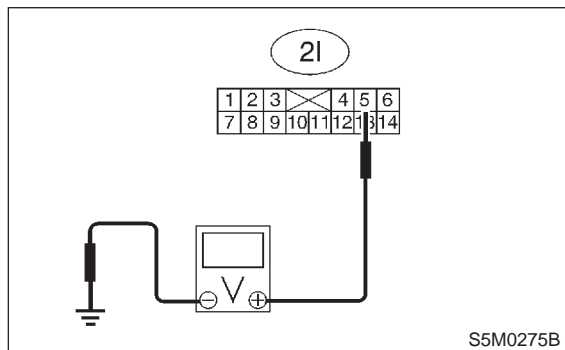
- CHECK** : **Is voltage less than 1 V?**
- YES** : Go to step **5E2**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5E2 : AIRBAG MAIN HARNESS INSPECTION

Measure voltage across each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 5 (+) — Chassis ground (-):



- CHECK** : **Is voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

F: TROUBLE CODE 21
DIAGNOSIS:

Airbag control module is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5F1 : CHECK IF TROUBLE CODE 21 IS INDICATED.

Confirm flashing trouble code according to "BASIC DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4A0].>

- CHECK** : **Is airbag warning light trouble code 21 indicated?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Perform clear memory. <Ref. to 5-5 [T4C0].>

G: TROUBLE CODE 22**DIAGNOSIS:**

Front airbag module and ELR with pretensioner (LH/RH) are inflated.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5G1 : CHECK IF TROUBLE CODE 22 IS INDICATED.

Confirm flashing trouble code according to "BASIC DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4A0].>

- CHECK** : *Is airbag warning light trouble code 22 indicated?*
- YES** : Replace airbag control module <Ref. to 5-5 [W6A0].>, front sub sensor <Ref. to 5-5 [W9A0].>, front airbag module of both sides <Ref. to 5-5 [W3A0].> and ELR with pretensioner of both sides. <Ref. to 5-3 [W3A1].>
- NO** : Perform clear memory. <Ref. to 5-5 [T4C0].>

H: TROUBLE CODE 23**DIAGNOSIS:**

(AB6), (AB17) and (AB18) are not connected properly to airbag control module.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5H1 : CHECK POOR CONTACT IN CONNECTORS (AB6), (AB17) AND (AB18).

Check connectors (AB6), (AB17) and (AB18) connected to airbag control module. <Ref. to 5-5 [W6A0].>

- CHECK** : *Is there poor contact in connectors (AB6), (AB17) and (AB18)?*
- YES** : Repair poor contact in connectors (AB6), (AB17) and (AB18).
- NO** : Replace airbag control module. <Ref. to 5-5 [W6A0].>

I: TROUBLE CODE 24

DIAGNOSIS:

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

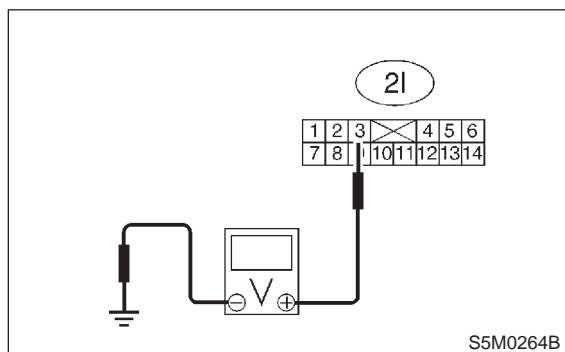
After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

511 : AIRBAG CONTROL MODULE INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Connect battery ground cable and turn ignition switch "ON" (engine off).
- 3) Measure voltage across connector (2I) terminal and chassis ground.

Connector & terminal

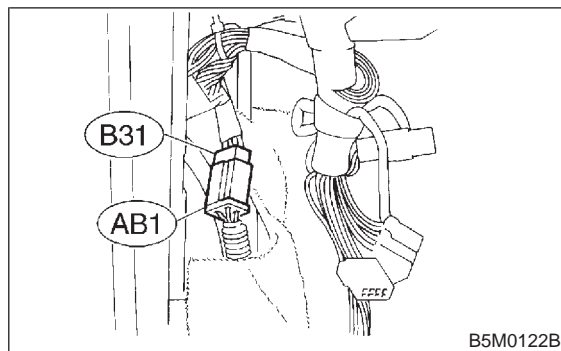
(2I) No. 3 (+) — Chassis ground (-):



- CHECK** : **Is voltage more than 10 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step 5I2.

512 : AIRBAG MAIN HARNESS INSPECTION

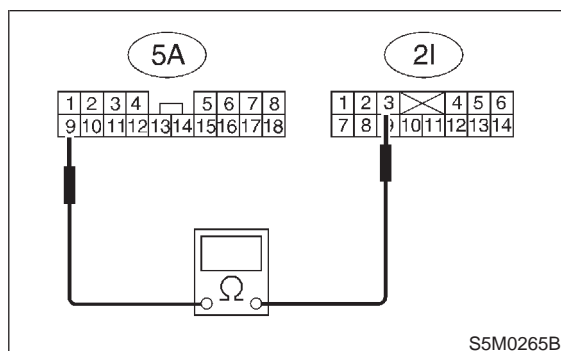
- 1) Go to following procedure after performing diagnostics on airbag system as per diagnosis procedure under "511 AIRBAG CONTROL MODULE INSPECTION" <Ref. to 5-5 [T511].> previously outlined.
- 2) Turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.
- 3) Disconnect connector (AB1) from body harness connector (B31) located in front pillar lower (driver side), and connect connector (AB1) to test harness A connector (2A).



- 4) Measure resistance between test harness A connector (5A) and test harness I or I2 connector (2I) terminals.

Connector & terminal

(5A) No. 9 — (2I) No. 3:



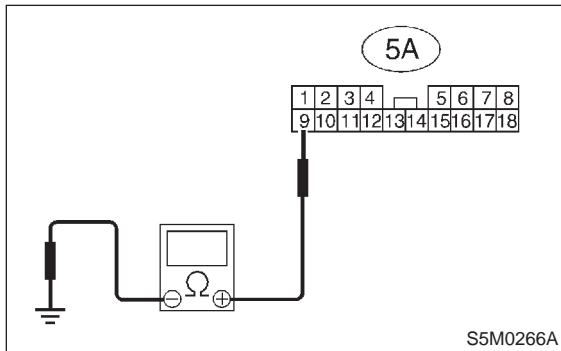
- CHECK** : **Is resistance less than 10 Ω?**
- YES** : Go to step 5I3.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5I3 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between each terminal of connectors (5A) and chassis ground.

Connector & terminal

(5A) No. 9 (+) — Chassis ground (-):



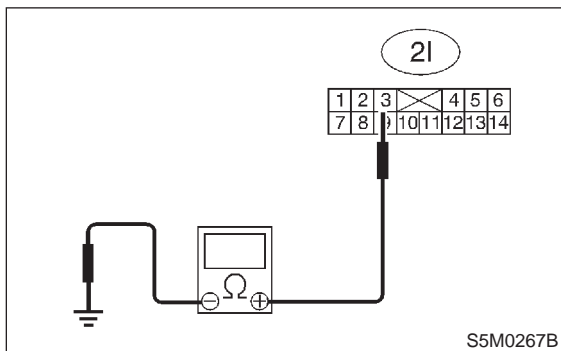
- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Go to step **5I4**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5I4 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between each terminal of connectors (2I) and chassis ground.

Connector & terminal

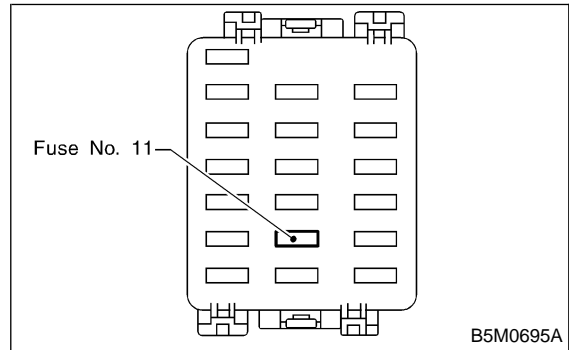
(2I) No. 3 (+) — Chassis ground (-):



- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Go to step **5I5**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5I5 : FUSE NO. 11 (IN JOINT BOX) INSPECTION

Make sure ignition switch is turned "OFF", then remove and visually check fuse No. 11 (in joint box).



- CHECK** : **Is fuse No. 11 blown?**
- YES** : Replace fuse No. 11. If fuse No. 11 blows again, repair body harness.
- NO** : Repair body harness.

J: TROUBLE CODE 25

DIAGNOSIS:

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

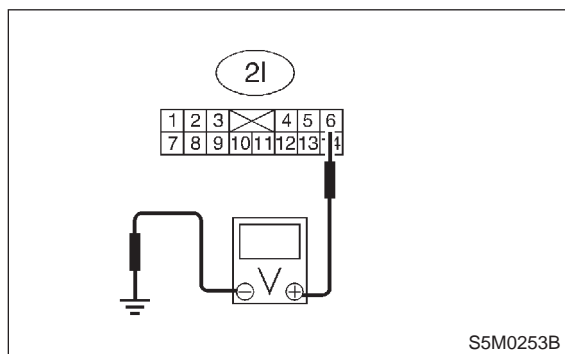
After 20 seconds elapse, remove instrument panel lower cover, and disconnect (AB3) and (AB8), (AB9) and (AB10).

5J1 : AIRBAG CONTROL MODULE INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].> and connect it to test harness I or I2 connector (11).
- 2) Connect battery ground cable and turn ignition switch "ON". (engine off)
- 3) Measure voltage across connector (2I) terminal and chassis ground.

Connector & terminal

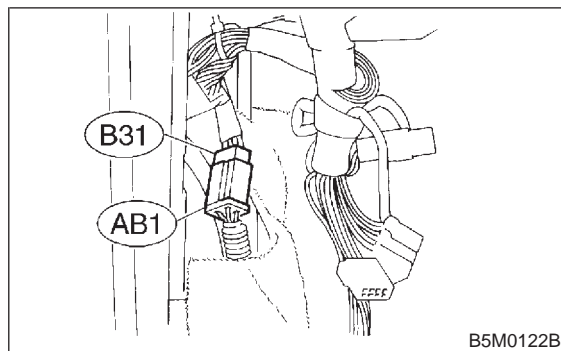
(2I) No. 6 (+) — Chassis ground (-):



- CHECK** : **Is voltage more than 10 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step 5J2.

5J2 : AIRBAG MAIN HARNESS INSPECTION

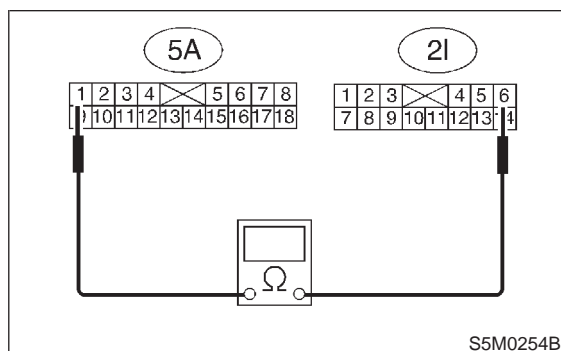
- 1) Go to following procedure after performing diagnostics on airbag system as per diagnosis procedure under "5J1 AIRBAG CONTROL MODULE INSPECTION" <Ref. to 5-5 [T5J1].> previously outlined.
- 2) Turn ignition switch "OFF", disconnect battery ground terminal and then wait at least 20 seconds.
- 3) Disconnect body harness connector (B31) from connector (AB1) located in front pillar lower (driver side), and connect connector (AB1) to test harness A connector (2A).



- 4) Measure resistance between test harness A connector (5A) terminal and test harness I or I2 connector (2I) terminal.

Connector & terminal

(5A) No. 1 — (2I) No. 6:



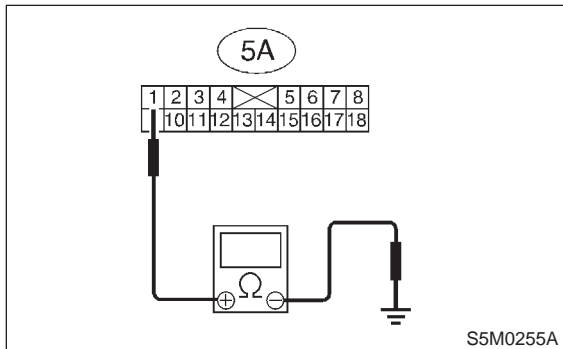
- CHECK** : **Is resistance less than 10 Ω?**
- YES** : Go to step 5J3.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5J3 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between (5A) connector terminal and chassis ground.

Connector & terminal

(5A) No. 1 (+) — Chassis ground (-):



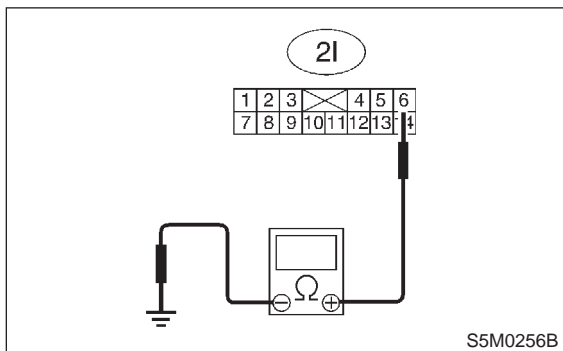
- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Go to step **5J4**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5J4 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between (2I) connector terminal and chassis ground.

Connector & terminal

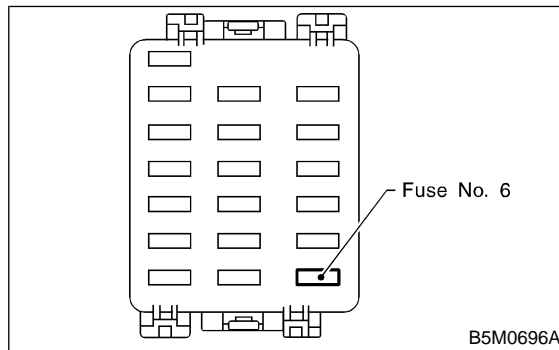
(2I) No. 6 (+) — Chassis ground (-):



- CHECK** : **Is resistance more than 1 MΩ?**
- YES** : Go to step **5J5**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5J5 : FUSE NO. 6 (IN JOINT BOX) INSPECTION

- 1) Turn ignition switch "OFF".
- 2) Remove and visually check fuse No. 6 (in joint box).



- CHECK** : **Is fuse No. 6 blown?**
- YES** : Replace fuse No. 6 if fuse No. 6 blows again, repair body harness.
- NO** : Repair body harness.

K: TROUBLE CODE 31

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:

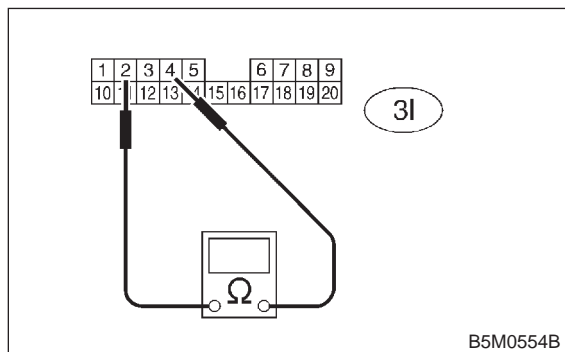
Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5K1 : FRONT SUB SENSOR (RH) AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (11).
- 2) Measure resistance between test harness I or I2 connector (31) terminal.

Connector & terminal

(31) No. 2 — No. 4:



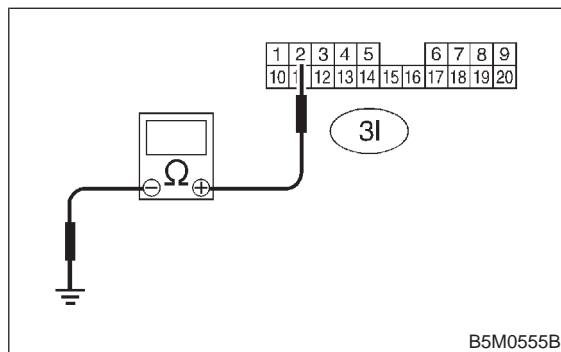
- CHECK** : **Is the resistance between 750 Ω and 1 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step **5K2**.

5K2 : FRONT SUB SENSOR (RH) AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness I or I2 connector (31) terminal and chassis ground.

Connector & terminal

(31) No. 2 (+) — Chassis ground (-):



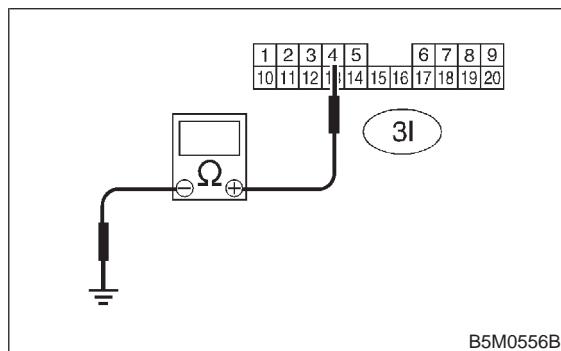
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step **5K3**.

5K3 : FRONT SUB SENSOR (RH) AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness I or I2 connector (31) terminal and chassis ground.

Connector & terminal

(31) No. 4 (+) — Chassis ground (-):



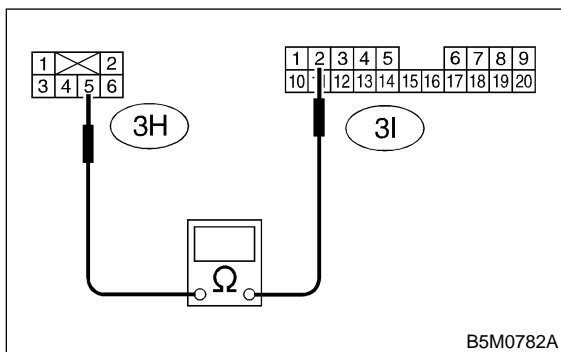
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step **5K4**.

5K4 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

- 1) Connect test harness I or I2 connector (1I) and connector (AB6).
- 2) Disconnect connector (AB16) from front sub sensor (RH) <Ref. to 5-5 [W9A0].> and then connect test harness H connector (1H) and connector (AB16).
- 3) Measure resistance between test harness I or I2 connector (3I) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3I) No. 2 — (3H) No. 5:



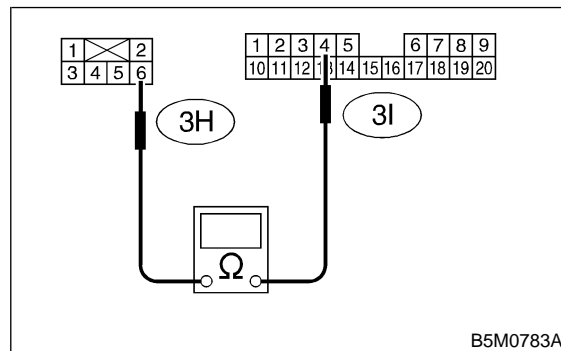
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5K5**.
- NO** : Go to step **5K8**.

5K5 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3I) No. 4 — (3H) No. 6:



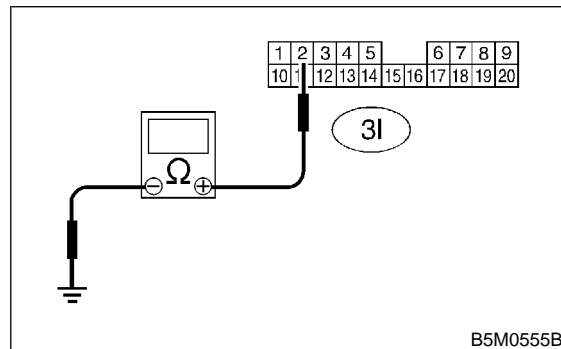
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5K6**.
- NO** : Go to step **5K8**.

5K6 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 2 (+) — Chassis ground (-):



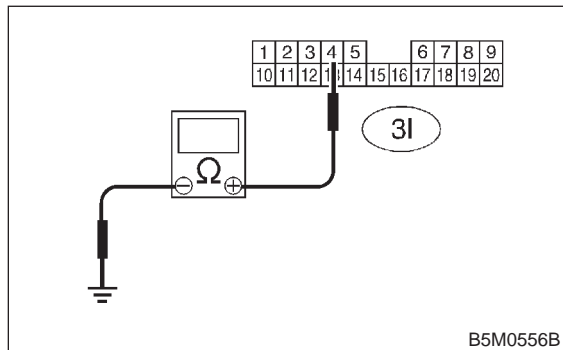
- CHECK** : *Is the resistance more than 10 kΩ?*
- YES** : Go to step **5K7**.
- NO** : Go to step **5K8**.

5K7 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 4 (+) — Chassis ground (-):



B5M0556B

- CHECK** : Is the resistance more than 10 kΩ?
- YES** : Go to step 5K16.
- NO** : Go to step 5K8.

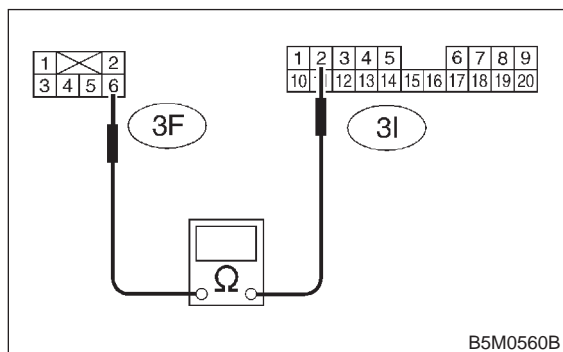
5K8 : AIRBAG MAIN HARNESS INSPECTION

1) Disconnect connector (AB14) and (AB15), then connect test harness F connector (2F) and connector (AB14).

2) Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 2 — (3F) No. 6:



B5M0560B

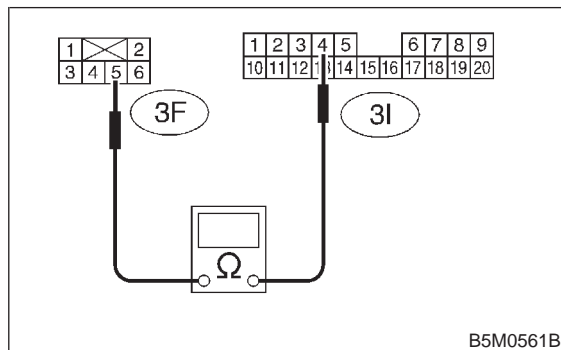
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5K9.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5K9 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 4 — (3F) No. 5:



B5M0561B

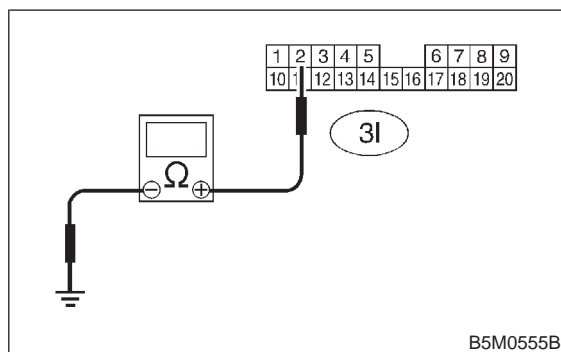
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5K10.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5K10 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 2 (+) — Chassis ground (-):



B5M0555B

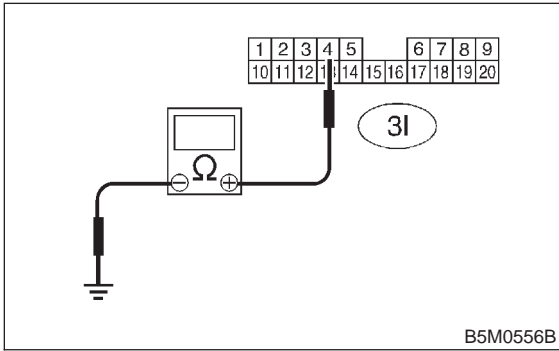
- CHECK** : Is the resistance more than 10 kΩ?
- YES** : Go to step 5K11.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5K11 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 4 (+) — Chassis ground (-):



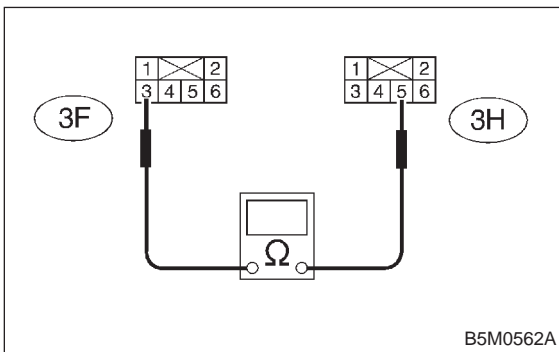
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Go to step **5K12**.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5K12 : FRONT SUB SENSOR HARNESS (RH) INSPECTION

- 1) Connect test harness F connector (1F) and connector (AB15).
- 2) Disconnect connector (AB16) from front sub sensor (RH) <Ref. to 5-5 [W9A0].> and then test harness H connector (1H) and connector (AB16).
- 3) Measure resistance between test harness F connector (3F) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3F) No. 3 — (3H) No. 5:



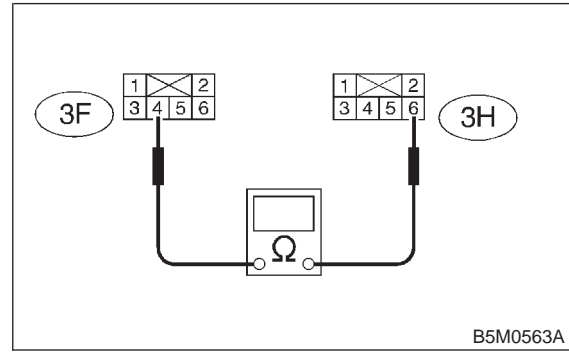
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step **5K13**.
- NO** : Replace front sub sensor harness (RH). <Ref. to 5-5 [W9A0].>

5K13 : FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance between test harness F connector (3F) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3F) No. 4 — (3H) No. 6:



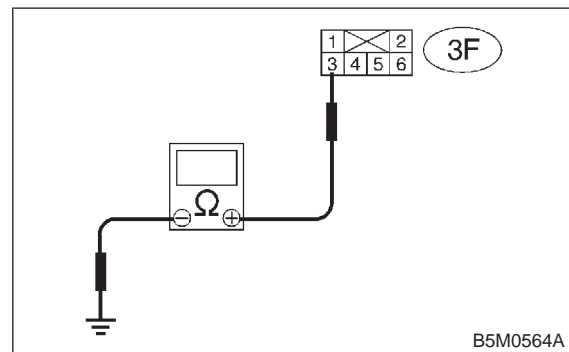
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step **5K14**.
- NO** : Replace front sub sensor harness (RH). <Ref. to 5-5 [W9A0].>

5K14 : FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness F connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 3 (+) — Chassis ground (-):



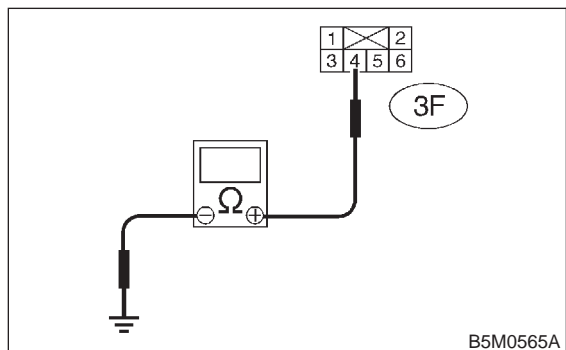
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Go to step **5K15**.
- NO** : Replace front sub sensor harness (RH). <Ref. to 5-5 [W9A0].>

5K15 : FRONT SUB SENSOR HARNESS (RH) INSPECTION

Measure resistance across test harness F connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 4 (+) — Chassis ground (-):



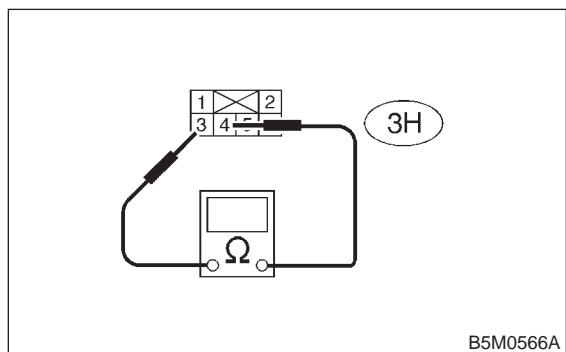
- CHECK** : Is the resistance more than 10 k Ω ?
- YES** : Go to step 5K16.
- NO** : Replace front sub sensor harness (RH). <Ref. to 5-5 [W9A0].>

5K16 : FRONT SUB SENSOR (RH) INSPECTION

- 1) Connect test harness H connector (2H) and front sub sensor (RH).
- 2) Measure resistance between test harness H connector (3H) terminal.

Connector & terminal

(3H) No. 3 — No. 4:



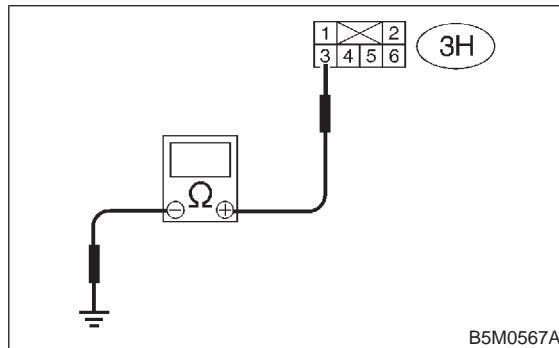
- CHECK** : Is the resistance between 750 Ω and 1 k Ω ?
- YES** : Go to step 5K17.
- NO** : Replace front sub sensor (RH). <Ref. to 5-5 [W9A0].>

5K17 : FRONT SUB SENSOR (RH) INSPECTION

Measure resistance across test harness H connector (3H) terminal and chassis ground.

Connector & terminal

(3H) No. 3 (+) — Chassis ground (-):



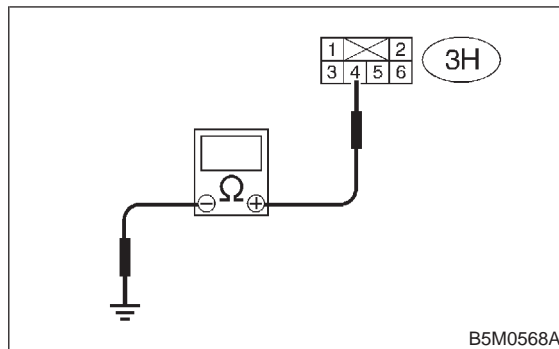
- CHECK** : Is the resistance more than 10 k Ω ?
- YES** : Go to step 5K18.
- NO** : Replace front sub sensor (RH). <Ref. to 5-5 [W9A0].>

5K18 : FRONT SUB SENSOR (RH) INSPECTION

Measure resistance across test harness H connector (3H) terminal and chassis ground.

Connector & terminal

(3H) No. 4 (+) — Chassis ground (-):



- CHECK** : Is the resistance more than 10 k Ω ?
- YES** : Perform clear memory. <Ref. to 5-5 [T4C0].>
- NO** : Replace front sub sensor (RH). <Ref. to 5-5 [W9A0].>

L: TROUBLE CODE 32

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:

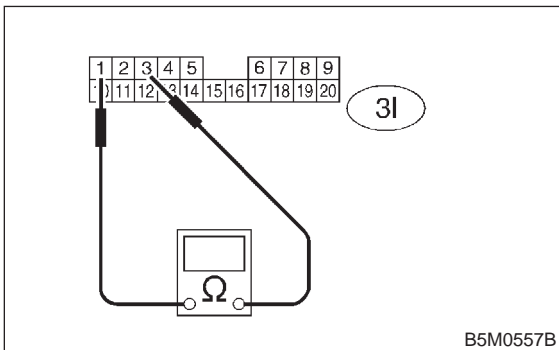
Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5L1 : FRONT SUB SENSOR (LH) AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

- 1) Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Measure resistance between test harness I or I2 connector (3I) terminal.

Connector & terminal

(3I) No. 1 — No. 3:



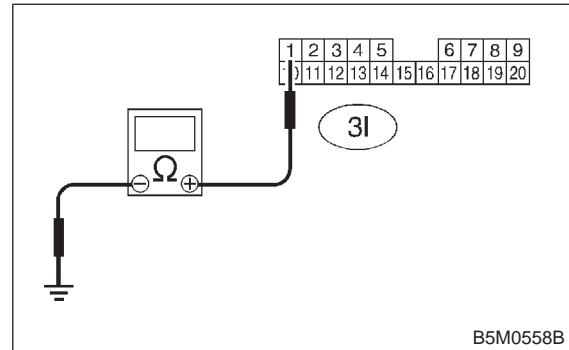
- CHECK** : **Is the resistance between 750 Ω and 1 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step 5L2.

5L2 : FRONT SUB SENSOR (LH) AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 1 (+) — Chassis ground (-):



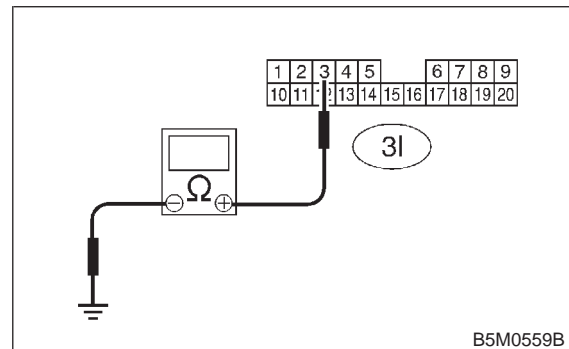
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step 5L3.

5L3 : FRONT SUB SENSOR (LH) AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 3 (+) — Chassis ground (-):



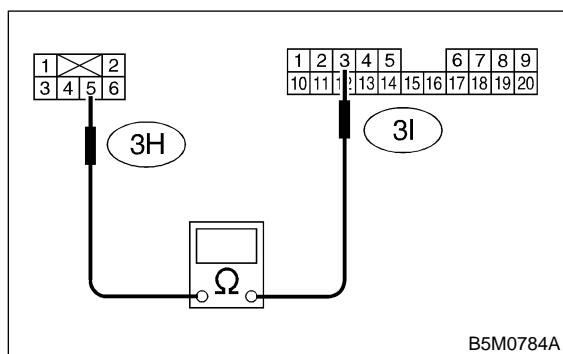
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step 5L4.

5L4 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

- 1) Connect test harness I or I2 connector (1I) and connector (AB6).
- 2) Disconnect connector (AB13) from front sub sensor (LH) <Ref. to 5-5 [W9A0].> and then connect test harness H connector (1H) and connector (AB13).
- 3) Measure resistance between test harness I or I2 connector (3I) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3I) No. 3 — (3H) No. 5:



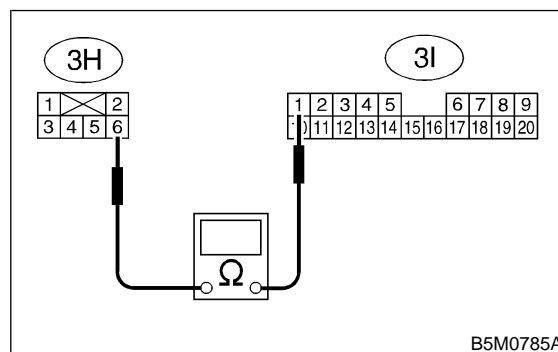
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step 5L5.
- NO** : Go to step 5L8.

5L5 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3I) No. 1 — (3H) No. 6:



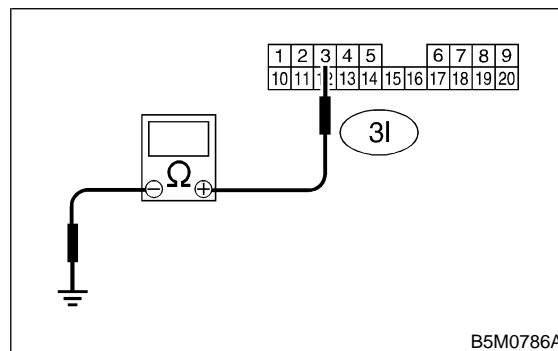
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step 5L6.
- NO** : Go to step 5L8.

5L6 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 3 (+) — Chassis ground (-):



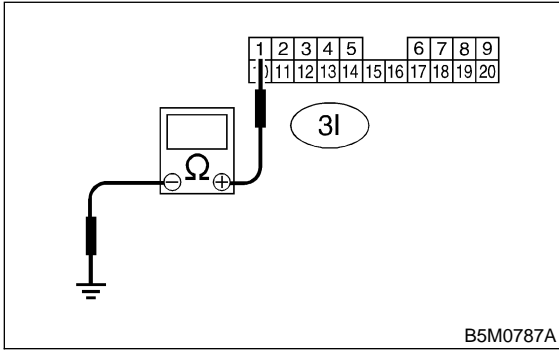
- CHECK** : *Is the resistance more than 10 kΩ?*
- YES** : Go to step 5L7.
- NO** : Go to step 5L8.

5L7 : AIRBAG MAIN HARNESS AND FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 1 (+) — Chassis ground (-):



- CHECK** : Is the resistance more than 10 kΩ?
- YES** : Go to step 5L16.
- NO** : Go to step 5L8.

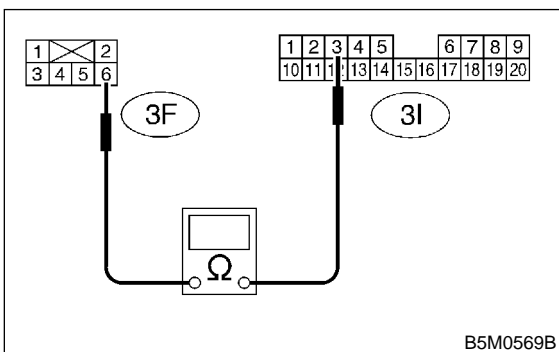
5L8 : AIRBAG MAIN HARNESS INSPECTION

1) Disconnect connector (AB11) and (AB12), then connect test harness F connector (2F) and connector (AB11).

2) Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 3 — (3F) No. 6:



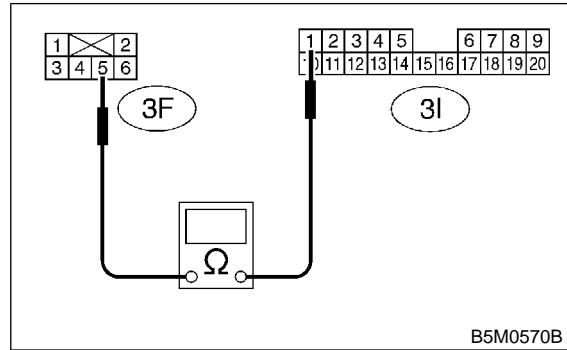
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5L9.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5L9 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 1 — (3F) No. 5:



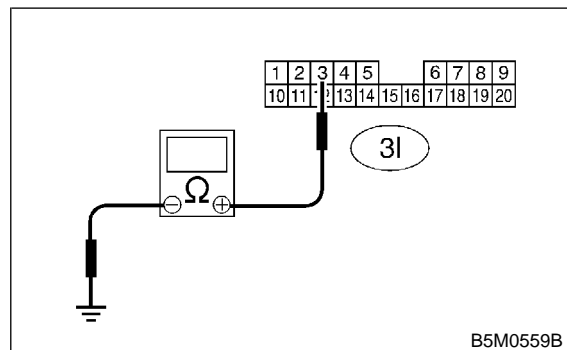
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5L10.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5L10 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 3 (+) — Chassis ground (-):



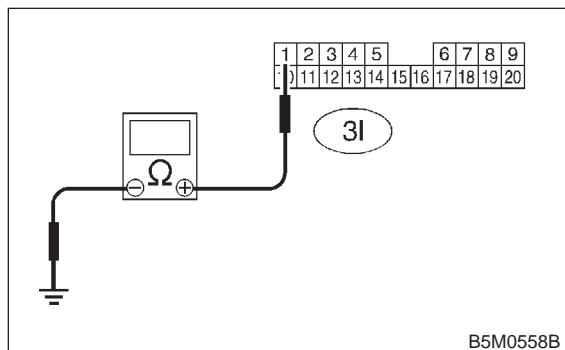
- CHECK** : Is the resistance more than 10 kΩ?
- YES** : Go to step 5L11.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5L11 : AIRBAG MAIN HARNESS INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 1 (+) — Chassis ground (-):



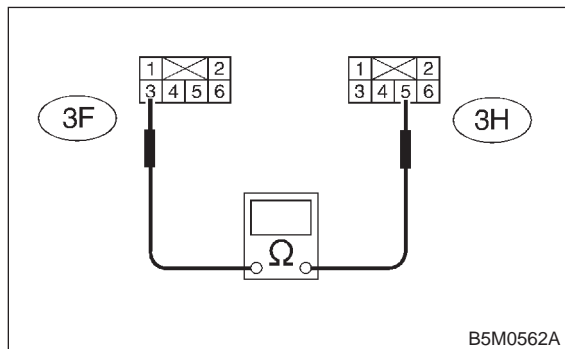
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Go to step 5L12.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5L12 : FRONT SUB SENSOR HARNESS (LH) INSPECTION

- 1) Connect test harness F connector (1F) and connector (AB12).
- 2) Disconnect connector (AB13) from front sub sensor (LH) <Ref. to 5-5 [W9A0].> and then test harness H connector (1H) and connector (AB13).
- 3) Measure resistance between test harness F connector (3F) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3F) No. 3 — (3H) No. 5:



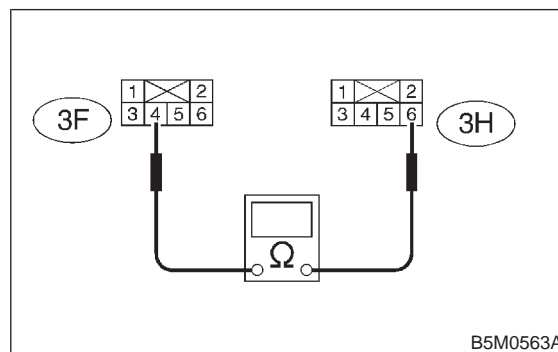
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step 5L13.
- NO** : Replace front sub sensor harness (LH). <Ref. to 5-5 [W9A0].>

5L13 : FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance between test harness F connector (3F) terminal and test harness H connector (3H) terminal.

Connector & terminal

(3F) No. 4 — (3H) No. 6:



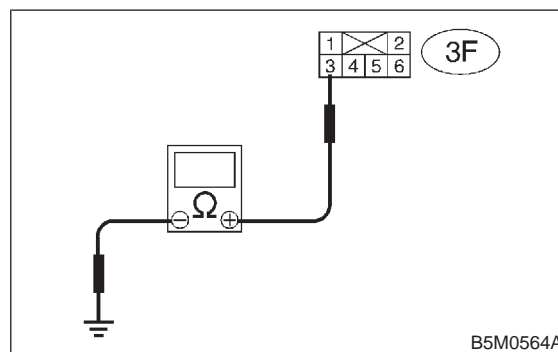
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step 5L14.
- NO** : Replace front sub sensor harness (LH). <Ref. to 5-5 [W9A0].>

5L14 : FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness F connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 3 (+) — Chassis ground (-):



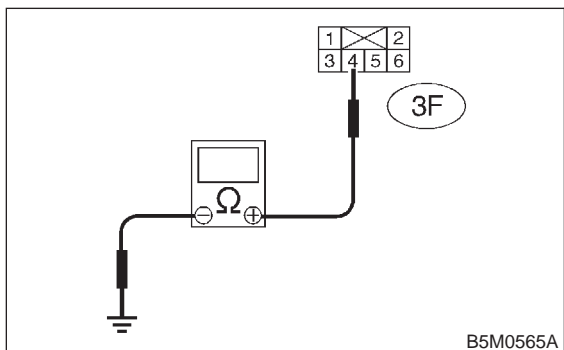
- CHECK** : **Is the resistance more than 10 kΩ?**
- YES** : Go to step 5L15.
- NO** : Replace front sub sensor harness (LH). <Ref. to 5-5 [W9A0].>

5L15 : FRONT SUB SENSOR HARNESS (LH) INSPECTION

Measure resistance across test harness F connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 4 (+) — Chassis ground (-):



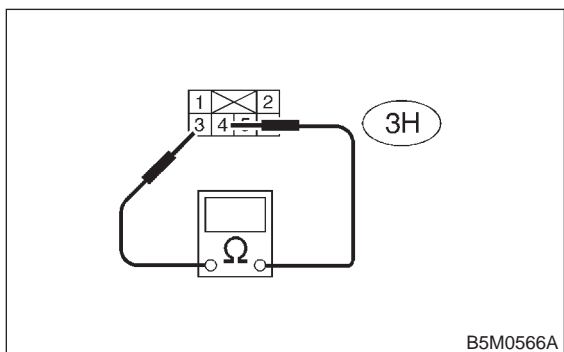
- CHECK** : *Is the resistance more than 10 kΩ?*
- YES** : Go to step **5L16**.
- NO** : Replace front sub sensor harness (LH). <Ref. to 5-5 [W9A0].>

5L16 : FRONT SUB SENSOR (LH) INSPECTION

- 1) Connect test harness H connector (2H) and front sub sensor (LH).
- 2) Measure resistance between test harness H connector (3H) terminal.

Connector & terminal

(3H) No. 3 — No. 4:



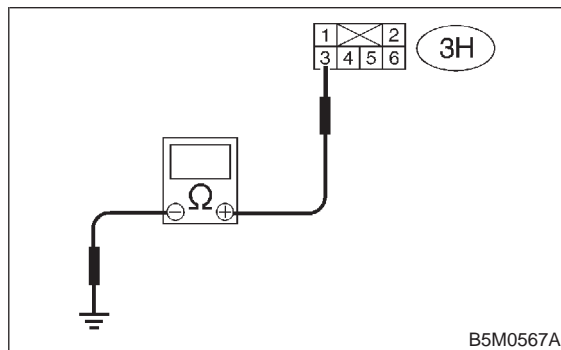
- CHECK** : *Is the resistance between 750 Ω and 1 kΩ?*
- YES** : Go to step **5L17**.
- NO** : Replace front sub sensor (LH). <Ref. to 5-5 [W9A0].>

5L17 : FRONT SUB SENSOR (LH) INSPECTION

Measure resistance across test harness H connector (3H) terminal and chassis ground.

Connector & terminal

(3H) No. 3 (+) — Chassis ground (-):



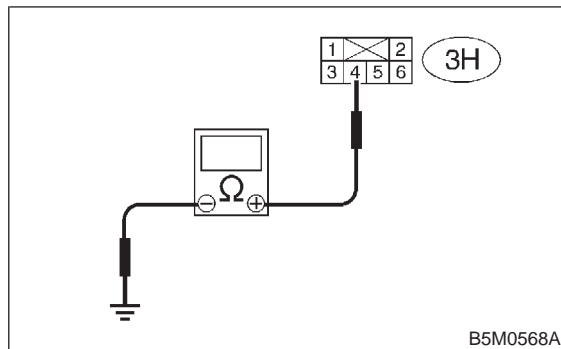
- CHECK** : *Is the resistance more than 10 kΩ?*
- YES** : Go to step **5L18**.
- NO** : Replace front sub sensor (LH). <Ref. to 5-5 [W9A0].>

5L18 : FRONT SUB SENSOR (LH) INSPECTION

Measure resistance across test harness H connector (3H) terminal and chassis ground.

Connector & terminal

(3H) No. 4 (+) — Chassis ground (-):



- CHECK** : *Is the resistance more than 10 kΩ?*
- YES** : Perform clear memory. <Ref. to 5-5 [T4C0].>
- NO** : Replace front sub sensor (LH). <Ref. to 5-5 [W9A0].>

M: TROUBLE CODE 41**DIAGNOSIS:**

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5M1 : SIDE AIRBAG MODULE INSPECTION

- 1) Disconnect connector (AB26) from ELR with pretensioner on RH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB24) and (AB25), and then connect connector (AB24) and test harness F connector (1F).
- 3) Connect test harness F connector (3F) and airbag resistor <Ref. to 5-5 [T3F0].>
- 4) Connect battery ground cable and then turn ignition switch ON.

CHECK : **Does the airbag warning light come on?**

YES : Replace front seat with side airbag module (RH). <Ref. to 5-3 [W100].>

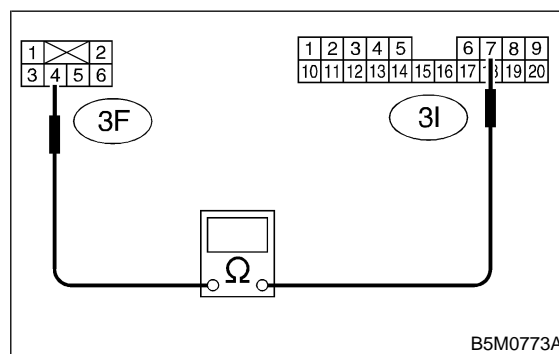
NO : Go to step **5M2**.

5M2 : SIDE AIRBAG HARNESS (RH) INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect test harness F and airbag resistor.
- 3) Disconnect connector (AB18) from airbag control module <Ref. to 5-5 [W6A0].> and connect test harness I or I2 connector (1I).
- 4) Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 7 — (3F) No. 4:



CHECK : **Is the resistance less than 10 Ω?**

YES : Go to step **5M3**.

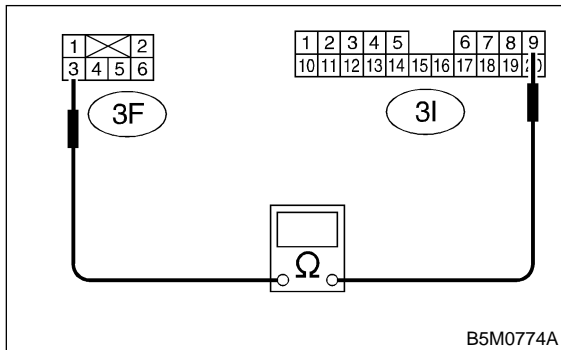
NO : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M3 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 9 — (3F) No. 3:



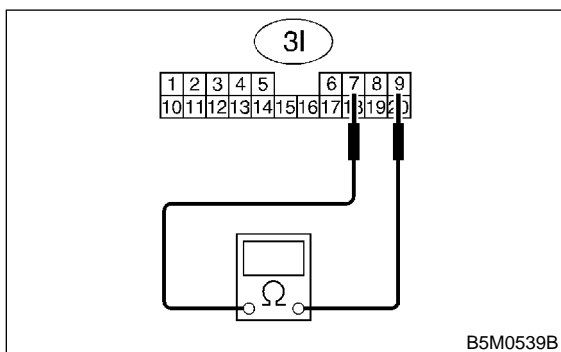
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step **5M4**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M4 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance of test harness I or I2 connector (3I) terminal.

Connector & terminal

(3I) No. 7 — No. 9:



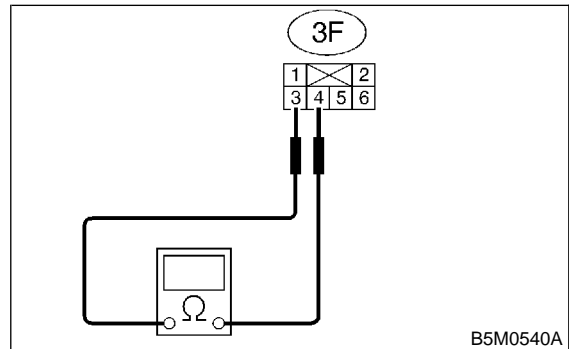
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5M5**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M5 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance of test harness F connector (3F) terminal.

Connector & terminal

(3F) No. 3 — No. 4:



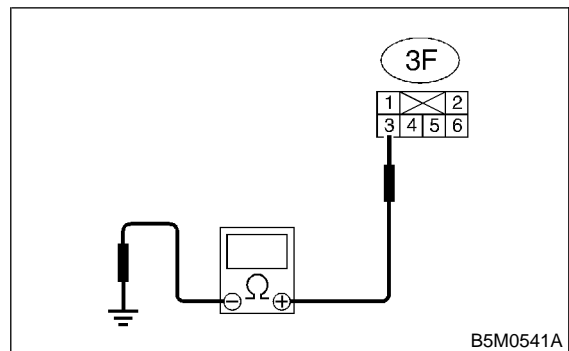
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5M6**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M6 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 3 (+) — Chassis ground (-):



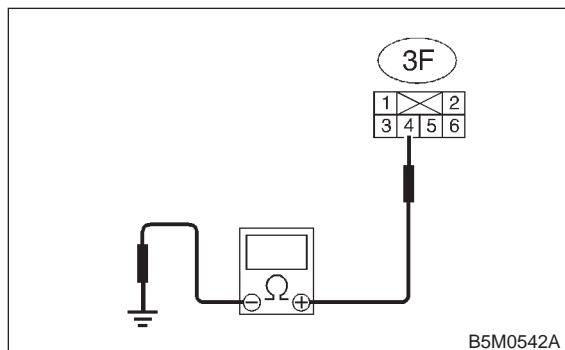
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5M7**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M7 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 4 (+) — Chassis ground (-):



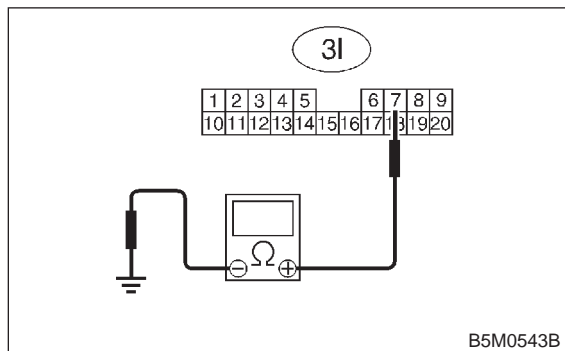
- CHECK** : *Is the resistance more than 1 MΩ?*
- YES** : Go to step **5M8**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M8 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 7 (+) — Chassis ground (-):



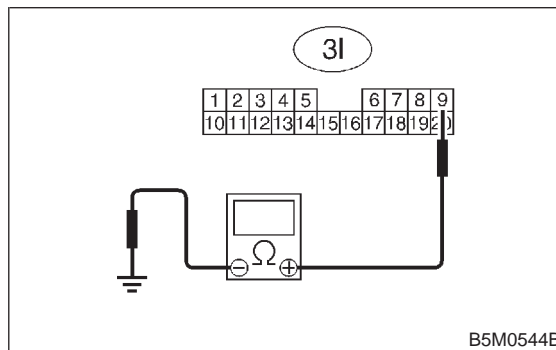
- CHECK** : *Is the resistance more than 1 MΩ?*
- YES** : Go to step **5M9**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5M9 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 9 (+) — Chassis ground (-):



- CHECK** : *Is the resistance more than 1 MΩ?*
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

N: TROUBLE CODE 42**DIAGNOSIS:**

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5N1 : SIDE AIRBAG MODULE INSPECTION

- 1) Disconnect connector (AB21) from ELR with pretensioner on LH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB19) and (AB20), and then connect connector (AB19) and test harness F connector (1F).
- 3) Connect test harness F connector (3F) and airbag resistor. <Ref. to 5-5 [T3F0].>
- 4) Connect battery ground cable and then turn ignition switch ON.

CHECK : **Does the airbag warning light come on?**

YES : Replace front seat with side airbag module (LH). <Ref. to 5-3 [W100].>

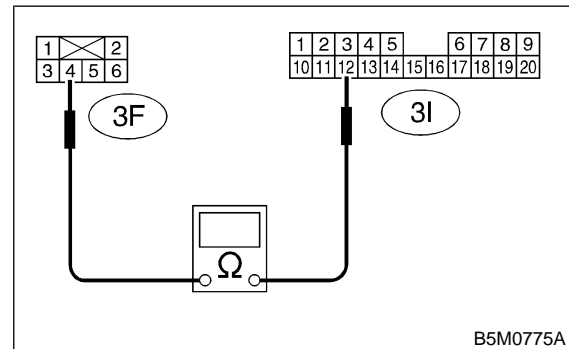
NO : Go to step **5N2**.

5N2 : SIDE AIRBAG HARNESS (LH) INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect test harness F and airbag resistor.
- 3) Disconnect connector (AB17) from airbag control module <Ref. to 5-5 [W6A0].> and connect test harness I or I2 connector (1I).
- 4) Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 12 — (3F) No. 4:



CHECK : **Is the resistance less than 10 Ω?**

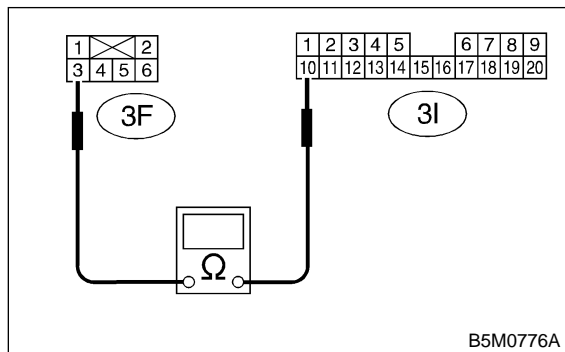
YES : Go to step **5N3**.

NO : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N3 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal
(3I) No. 10 — (3F) No. 3:

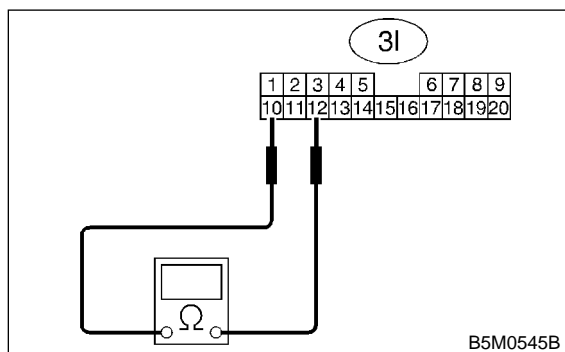


- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5N4.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N4 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance of test harness I or I2 connector (3I) terminal.

Connector & terminal
(3I) No. 10 — No. 12:

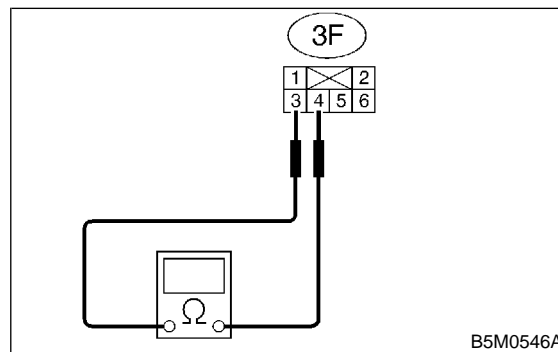


- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5N5.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N5 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance of test harness F connector (3F) terminal.

Connector & terminal
(3F) No. 3 — No. 4:

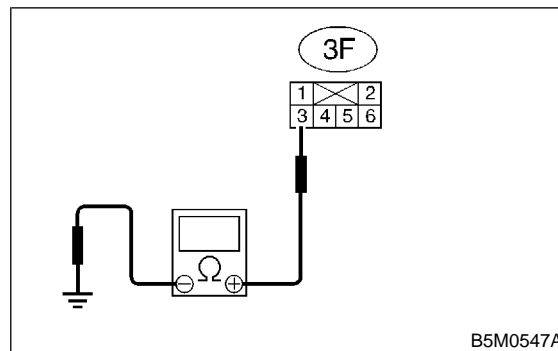


- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5N6.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N6 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between connector (3F) terminal and chassis ground.

Connector & terminal
(3F) No. 3 (+) — Chassis ground (-):



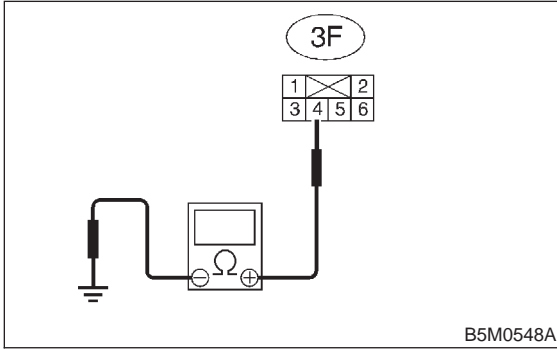
- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5N7.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N7 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between connector (3F) terminal and chassis ground.

Connector & terminal

(3F) No. 4 (+) — Chassis ground (-):



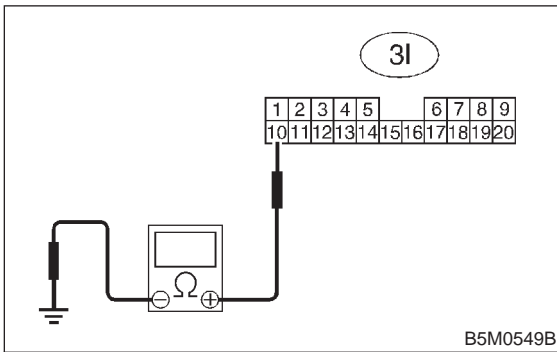
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5N8**.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N8 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 10 (+) — Chassis ground (-):



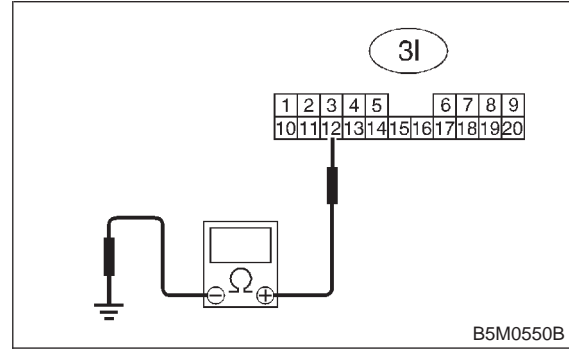
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5N9**.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5N9 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 12 (+) — Chassis ground (-):



- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

O: TROUBLE CODE 45**DIAGNOSIS:**

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

501 : SIDE AIRBAG MODULE INSPECTION

- 1) Disconnect connector (AB26) from ELR with pretensioner on RH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB24) and (AB25), and then connect connector (AB24) and test harness F connector (1F).
- 3) Connect test harness F connector (3F) and airbag resistor <Ref. to 5-5 [T3F0].>
- 4) Connect battery ground cable and then turn ignition switch ON.

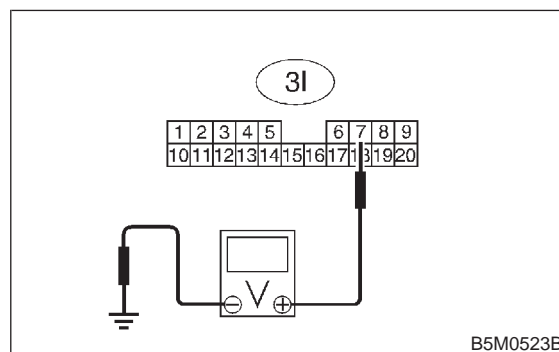
- CHECK** : **Does the airbag warning light come on?**
- YES** : Replace front seat with side airbag module (RH). <Ref. to 5-3 [W100].>
- NO** : Go to step **502**.

502 : SIDE AIRBAG HARNESS (RH) INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect test harness F and airbag resistor.
- 3) Disconnect connector (AB18) from airbag control module and connect it to test harness I or I2 connector (1I).
- 4) Connect battery ground cable and turn ignition switch ON. (engine off)
- 5) Measure voltage across connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 7 (+) — Chassis ground (-):



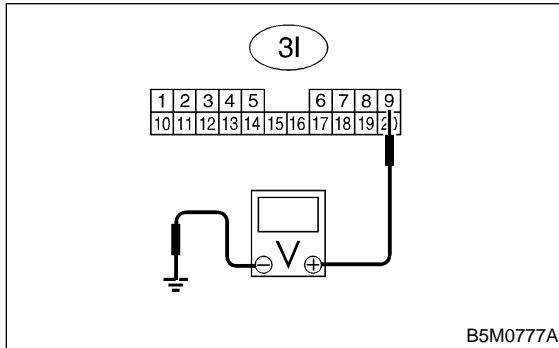
- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step **503**.

503 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure voltage across connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 9 (+) — Chassis ground (-):



- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

P: TROUBLE CODE 46

DIAGNOSIS:

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

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5P1 : SIDE AIRBAG MODULE INSPECTION

- 1) Disconnect connector (AB21) from ELR with pretensioner on LH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB19) and (AB20), and then connect connector (AB19) and test harness F connector (1F).
- 3) Connect test harness F connector (3F) and airbag resistor. <Ref. to 5-5 [T3F0].>
- 4) Connect battery ground cable and then turn ignition switch ON.

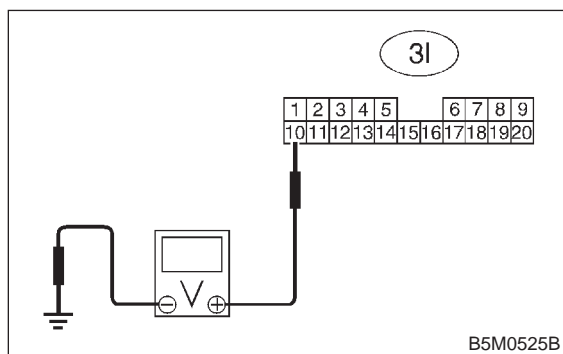
- CHECK** : **Does the airbag warning light come on?**
- YES** : Replace front seat with side airbag module (LH). <Ref. to 5-3 [W100].>
- NO** : Go to step **5P2**.

5P2 : SIDE AIRBAG HARNESS (LH) INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect test harness F and airbag resistor.
- 3) Disconnect connector (AB17) from airbag control module and connect it to test harness I or I2 connector (1I).
- 4) Connect battery ground cable and turn ignition switch ON. (engine off)
- 5) Measure voltage across connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 10 (+) — Chassis ground (-):



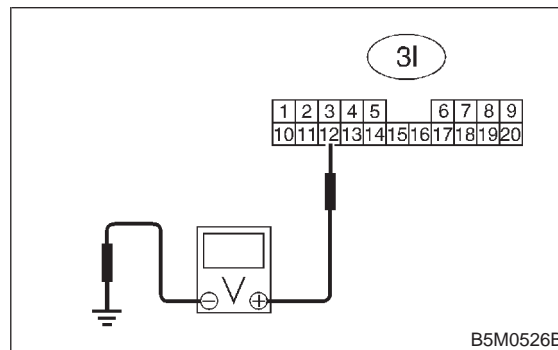
- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Go to step **5P3**.

5P3 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure voltage across connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 12 (+) — Chassis ground (-):



- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

Q: TROUBLE CODE 51

DIAGNOSIS:

- Side airbag sensor (RH) is faulty.
- Side airbag harness (RH) is faulty.

CAUTION:

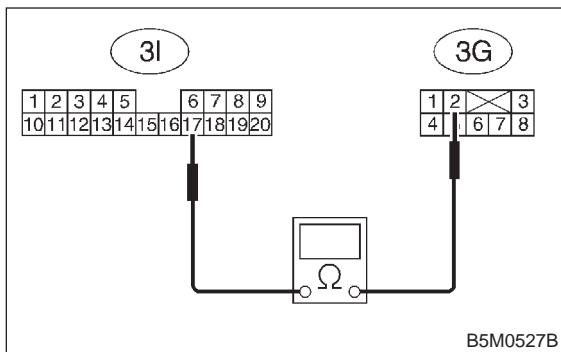
Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5Q1 : SIDE AIRBAG HARNESS (RH) INSPECTION

- 1) Disconnect connector (AB26) from ELR with pretensioner on RH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB24) and (AB25) at below front seat on RH side. (Side airbag equipped vehicle)
- 3) Disconnect connector (AB18) from airbag control module and connect it to test harness I or I2 connector (1I).
- 4) Disconnect connector (AB28) from side airbag sensor (RH) and connect it to test harness G connector (1G).
- 5) Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 17 — (3G) No. 2:



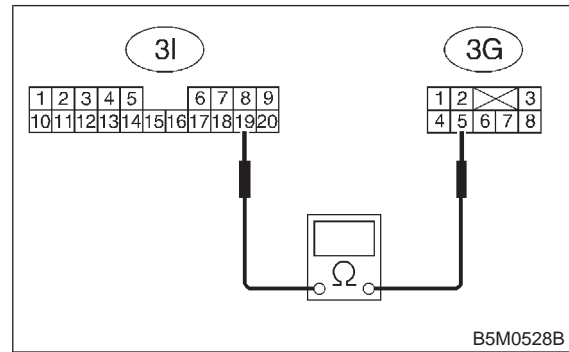
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5Q2**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5Q2 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 19 — (3G) No. 5:



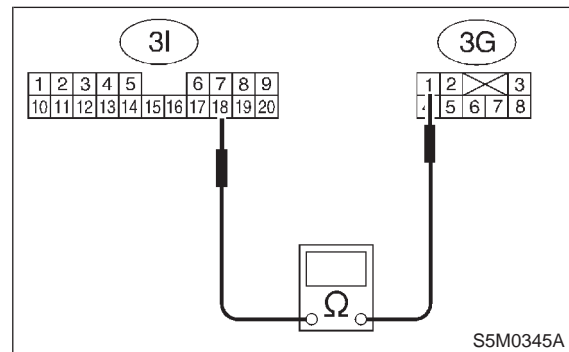
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5Q3**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5Q3 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 18 — (3G) No. 1:

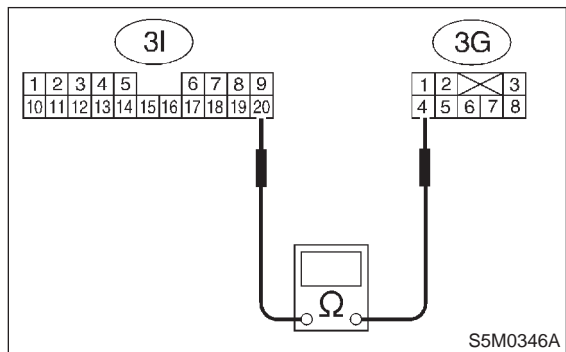


- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5Q4**.
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

5Q4 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal
(3I) No. 20 — (3G) No. 4:

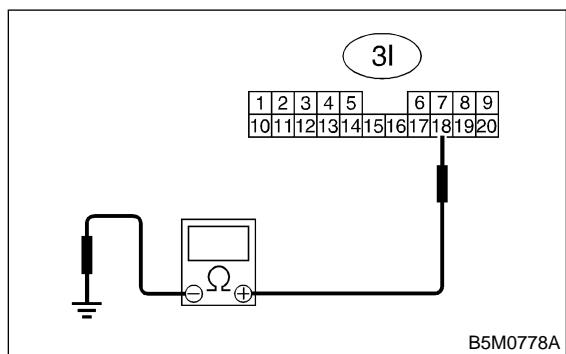


- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5Q5.
- NO** : Replace side airbag harness (RH).
<Ref. to 5-5 [W5A0].>

5Q5 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal
(3I) No. 18 (+) — Chassis ground (-):

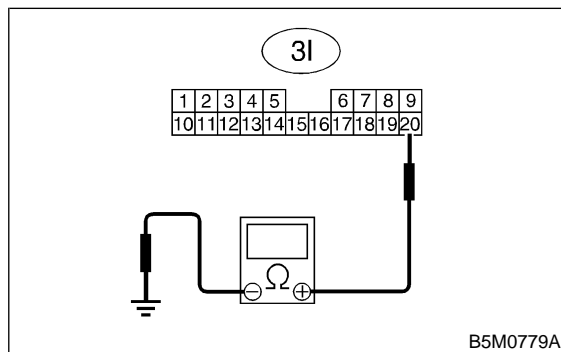


- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5Q6.
- NO** : Replace side airbag harness (RH).
<Ref. to 5-5 [W5A0].>

5Q6 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal
(3I) No. 20 (+) — Chassis ground (-):

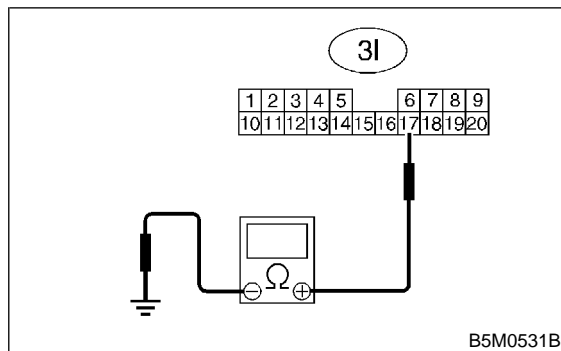


- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5Q7.
- NO** : Replace side airbag harness (RH).
<Ref. to 5-5 [W5A0].>

5Q7 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal
(3I) No. 17 (+) — Chassis ground (-):



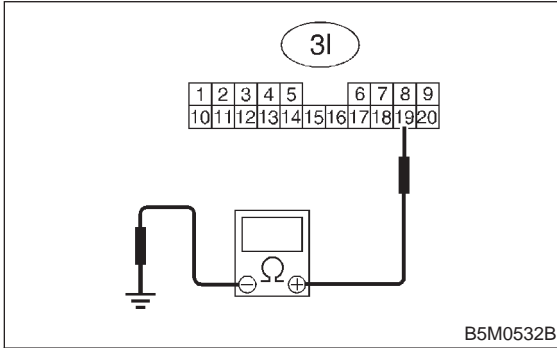
- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5Q8.
- NO** : Replace side airbag harness (RH).
<Ref. to 5-5 [W5A0].>

5Q8 : SIDE AIRBAG HARNESS (RH) INSPECTION

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 19 (+) — Chassis ground (-):



- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Replace side airbag sensor (RH). <Ref. to 5-5 [W7A0].>
- NO** : Replace side airbag harness (RH). <Ref. to 5-5 [W5A0].>

R: TROUBLE CODE 52

DIAGNOSIS:

- Side airbag sensor (LH) is faulty.
- Side airbag harness (LH) is faulty.

CAUTION:

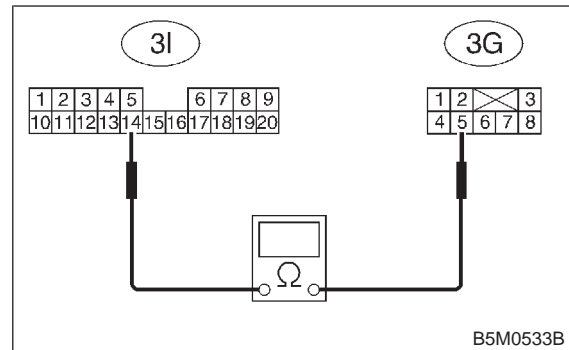
Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5R1 : SIDE AIRBAG HARNESS (LH) INSPECTION

- 1) Disconnect connector (AB21) from ELR with pretensioner on LH side. <Ref. to 5-3 [W3A1].>
- 2) Disconnect connector (AB19) and (AB20) at below front seat on LH side. (Side airbag equipped vehicle)
- 3) Disconnect connector (AB17) from airbag control module and connect it to test harness I or I2 connector (1I).
- 4) Disconnect connector (AB23) from side airbag sensor (LH) and connect it to test harness G connector (1G).
- 5) Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 14 — (3G) No. 5:



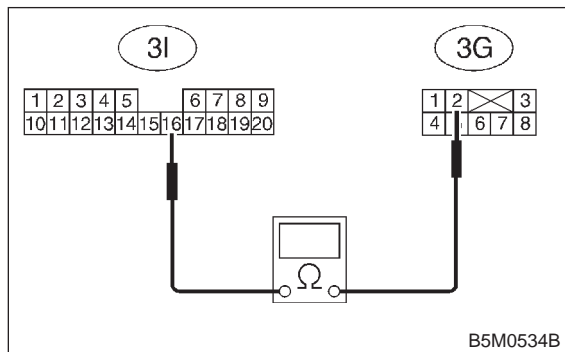
- CHECK** : **Is the resistance less than 10 Ω?**
- YES** : Go to step 5R2.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5R2 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 16 — (3G) No. 2:



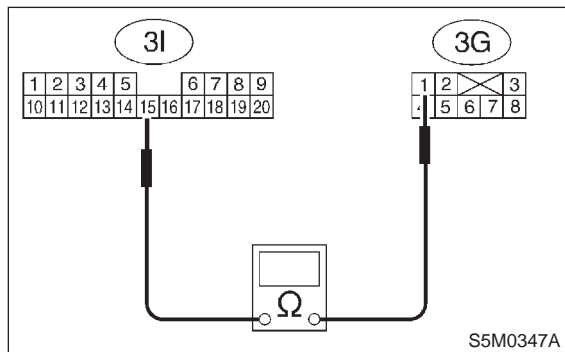
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5R3.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5R3 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 15 — (3G) No. 1:



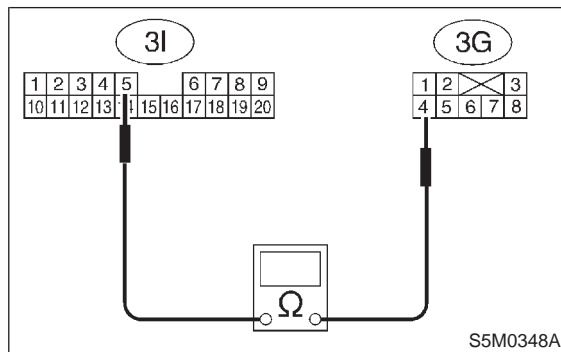
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5R4.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5R4 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and test harness G connector (3G) terminal.

Connector & terminal

(3I) No. 5 — (3G) No. 4:



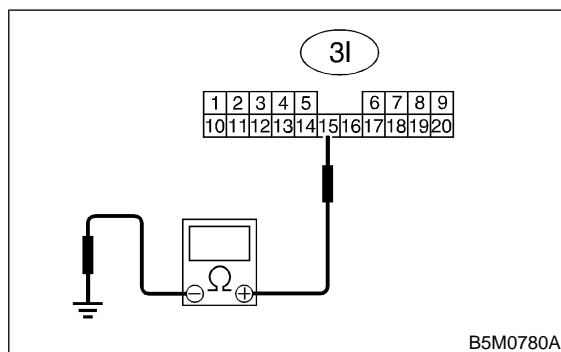
- CHECK** : Is the resistance less than 10 Ω?
- YES** : Go to step 5R5.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

5R5 : SIDE AIRBAG HARNESS (LH) INSPECTION

Measure resistance between connector (3G) terminal and chassis ground.

Connector & terminal

(3I) No. 15 (+) — Chassis ground (-):



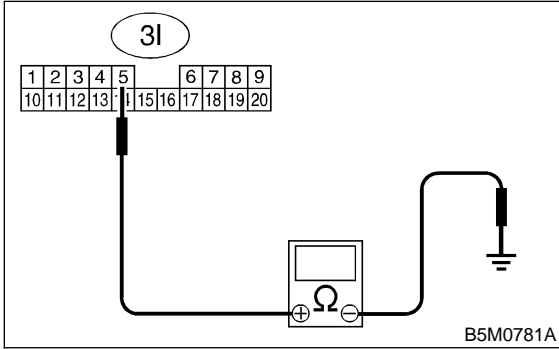
- CHECK** : Is the resistance more than 1 MΩ?
- YES** : Go to step 5R6.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

**5R6 : SIDE AIRBAG HARNESS (LH)
INSPECTION**

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 5 (+) — Chassis ground (-):



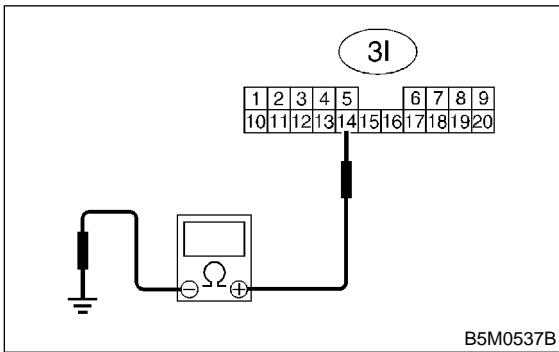
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5R7**.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

**5R7 : SIDE AIRBAG HARNESS (LH)
INSPECTION**

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 14 (+) — Chassis ground (-):



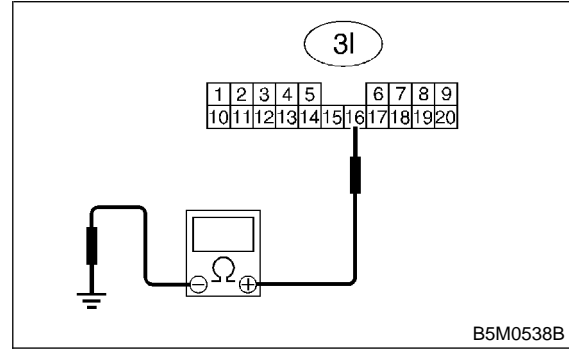
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5R8**.
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

**5R8 : SIDE AIRBAG HARNESS (LH)
INSPECTION**

Measure resistance between connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 16 (+) — Chassis ground (-):



- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Replace side airbag sensor (LH). <Ref. to 5-5 [W7A0].>
- NO** : Replace side airbag harness (LH). <Ref. to 5-5 [W5A0].>

S: TROUBLE CODE 53**DIAGNOSIS:**

Side airbag sensor (RH) is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5S1 : CHECK IF TROUBLE CODE 53 IS INDICATED.

Confirm flashing trouble code according to "BASIC DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4A0].>

- CHECK** : *Is airbag warning light trouble code 53 indicated?*
- YES** : Replace side airbag sensor (RH). <Ref. to 5-5 [W7A0].>
- NO** : Perform clear memory. <Ref. to 5-5 [T4C0].>

T: TROUBLE CODE 54**DIAGNOSIS:**

Side airbag sensor (LH) is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5T1 : CHECK IF TROUBLE CODE 54 IS INDICATED.

Confirm flashing trouble code according to "BASIC DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4A0].>

- CHECK** : *Is airbag warning light trouble code 54 indicated?*
- YES** : Replace side airbag sensor (LH). <Ref. to 5-5 [W7A0].>
- NO** : Perform clear memory. <Ref. to 5-5 [T4C0].>

U: TROUBLE CODE 55**DIAGNOSIS:**

Side airbag module is inflated.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5U1 : CHECK IF TROUBLE CODE 55 IS INDICATED.

Confirm flashing trouble code according to "BASIC DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4A0].>

- CHECK** : *Is airbag warning light trouble code 55 indicated?*
- YES** : Replace front seat with side airbag module (Operating side) <Ref. to 5-3 [W100].>, side airbag sensor (Operating side) <Ref. to 5-5 [W7A0].> and airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Perform clear memory. <Ref. to 5-5 [T4C0].>

V: TROUBLE CODE 61**DIAGNOSIS:**

- ELR with pretensioner (RH) circuit is open, shorted or shorted to ground.
- Airbag control module is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5V1 : ELR WITH PRETENSIONER INSPECTION

- 1) Disconnect connector (AB26) from ELR with pretensioner RH side <Ref. to 5-3 [W3A1].>, and connect (AB26) to test harness F connector (1F).
- 2) Connect airbag resistor to test harness F connector (3F).
- 3) Connect battery ground cable and then turn ignition switch to ON (engine off). Observe airbag warning light.

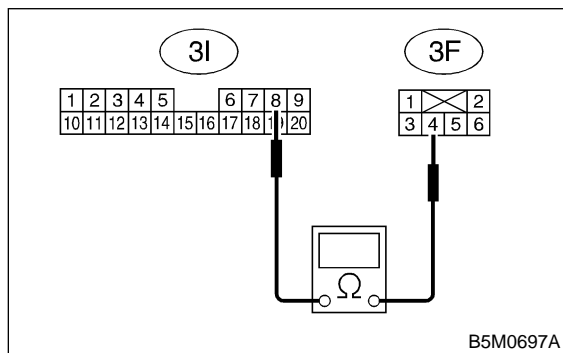
- CHECK** : *Does the airbag warning light come on for about 7 seconds, then go out and stay out?*
- YES** : Replace ELR with pretensioner RH side. <Ref. to 5-3 [W3A1].>
- NO** : Go to step **5V2**.

5V2 : SIDE AIRBAG HARNESS OPEN CIRCUIT INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect side airbag connector RH side (AB24) and (AB25). (Side airbag equipped vehicle) <Ref. to 5-3 [W1A0].>
- 3) Disconnect connector (AB18) from airbag control module <Ref. to 5-5 [W6A0].>, and connect (AB18) to test harness I or I2 connector (1I).
- 4) Measure resistance across test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 8 — (3F) No. 4:



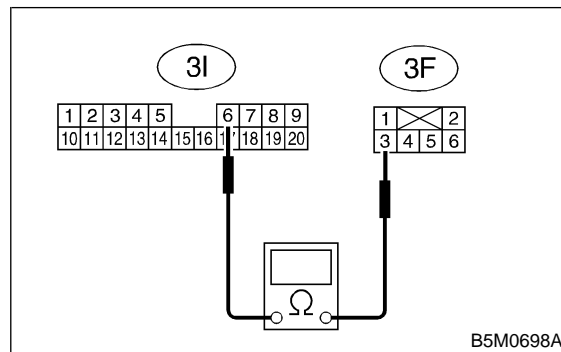
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5V3**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5V3 : SIDE AIRBAG HARNESS OPEN CIRCUIT INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 6 — (3F) No. 3



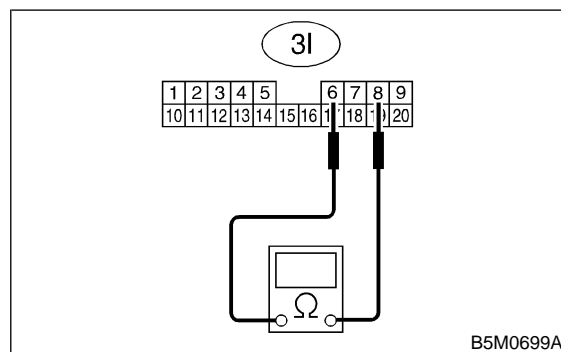
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5V4**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5V4 : SIDE AIRBAG HARNESS SHORTED CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal.

Connector & terminal

(3I) No. 6 — No. 8:



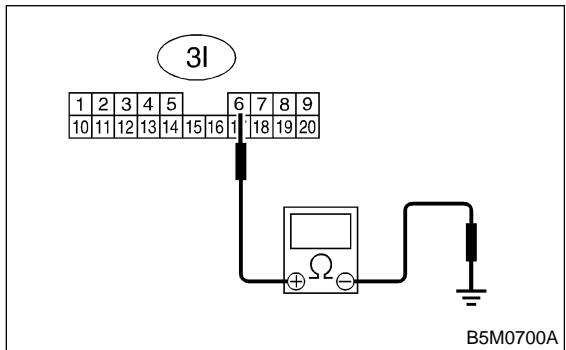
- CHECK** : *Is the resistance more than 1 MΩ?*
- YES** : Go to step **5V5**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5V5 : SIDE AIRBAG HARNESS SHORTED TO GROUND CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 6 (+) — Chassis ground (-):



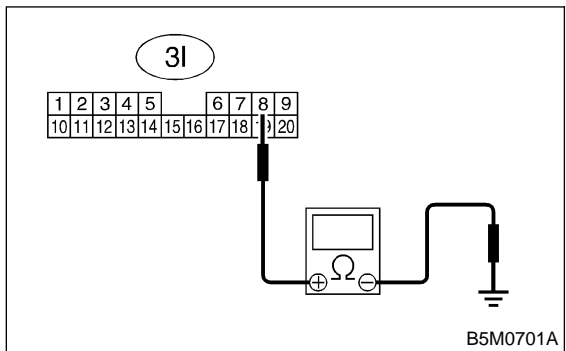
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5V6**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5V6 : SIDE AIRBAG HARNESS SHORTED TO GROUND CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 8 (+) — Chassis ground (-):



- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

W: TROUBLE CODE 62

DIAGNOSIS:

- ELR with pretensioner (LH) circuit is open, shorted or shorted to ground.
- Airbag control module is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch “OFF”, disconnect battery ground cable and then wait at least 20 seconds.

5W1 : ELR WITH PRETENSIONER INSPECTION

- 1) Disconnect connector (AB21) from ELR with pretensioner LH side <Ref. to 5-3 [W3A1].>, and connect (AB21) to test harness F connector (1F).
- 2) Connect airbag resistor to test harness F connector (3F).
- 3) Connect battery ground cable and then turn ignition switch to ON (engine off). Observe airbag warning light.

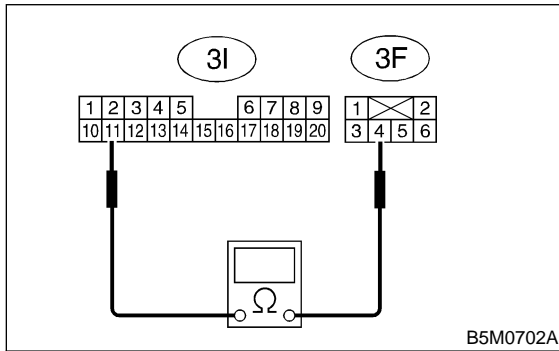
- CHECK** : **Does the airbag warning light come on for about 7 seconds, then go out and stay out?**
- YES** : Replace ELR with pretensioner LH side. <Ref. to 5-3 [W3A1].>
- NO** : Go to step **5W2**.

5W2 : SIDE AIRBAG HARNESS OPEN CIRCUIT INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect side airbag connector LH side (AB19) and (AB20). (Side airbag equipped vehicle) <Ref. to 5-3 [W1A0].>
- 3) Disconnect connector (AB17) from airbag control module <Ref. to 5-5 [W6A0].>, and connect (AB17) to test harness I or I2 connector (1I).
- 4) Measure resistance across test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 11 — (3F) No. 4:



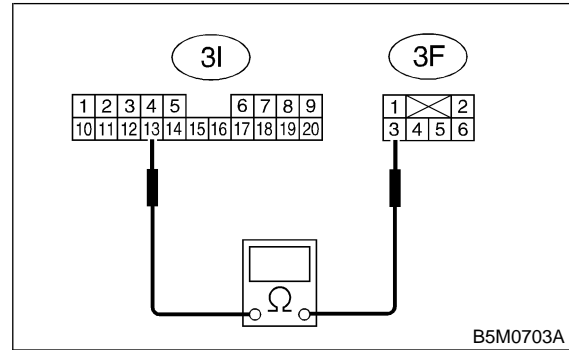
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5W3**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5W3 : SIDE AIRBAG HARNESS OPEN CIRCUIT INSPECTION

Measure resistance across test harness I or I2 connector (3I) terminal and test harness F connector (3F) terminal.

Connector & terminal

(3I) No. 13 — (3F) No. 3:



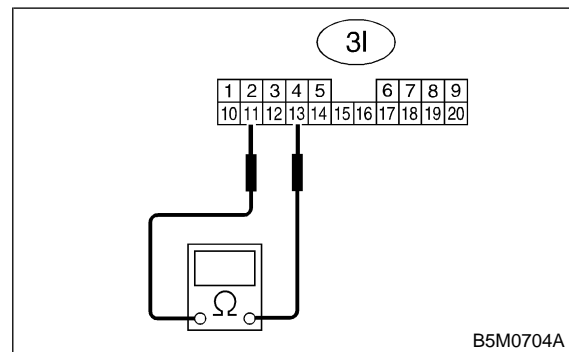
- CHECK** : *Is the resistance less than 10 Ω?*
- YES** : Go to step **5W4**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5W4 : SIDE AIRBAG HARNESS SHORTED CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal.

Connector & terminal

(3I) No. 11 — No. 13:



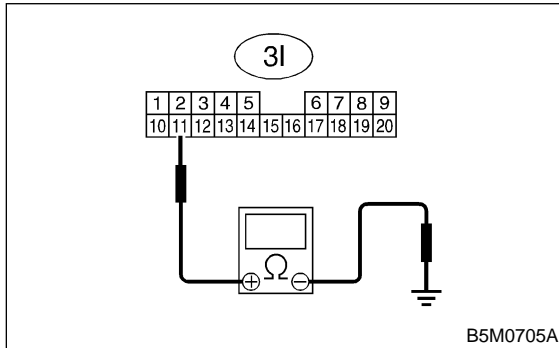
- CHECK** : *Is the resistance more than 1 MΩ?*
- YES** : Go to step **5W5**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5W5 : SIDE AIRBAG HARNESS SHORTED TO GROUND CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 11 (+) — Chassis ground (-):



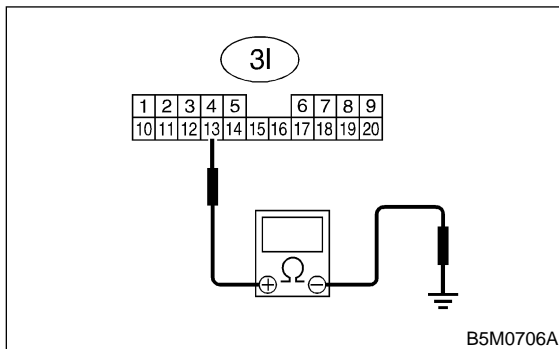
- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Go to step **5W6**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5W6 : SIDE AIRBAG HARNESS SHORTED TO GROUND CIRCUIT INSPECTION

Measure resistance between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 13 (+) — Chassis ground (-):



- CHECK** : **Is the resistance more than 1 MΩ?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

X: TROUBLE CODE 65
DIAGNOSIS:

ELR with pretensioner (RH) circuit is shorted to power supply.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5X1 : ELR WITH PRETENSIONER INSPECTION

- 1) Disconnect connector (AB26) from ELR with pretensioner RH side <Ref. to 5-3 [W3A1].>, and connect (AB26) to test harness F connector (1F).
- 2) Connect airbag resistor to test harness F connector (3F).
- 3) Connect battery ground cable and then turn ignition switch to ON (engine off). Observe airbag warning light.

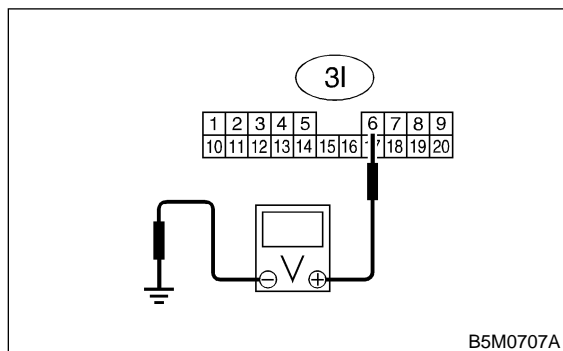
- CHECK** : **Does the airbag warning light come on for about 7 seconds, then go out and stay out?**
- YES** : Replace ELR with pretensioner RH side. <Ref. to 5-3 [W3A1].>
- NO** : Go to step **5X2**.

5X2 : SIDE AIRBAG HARNESS SHORTED TO POWER SUPPLY CIRCUIT INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect side airbag connector RH side (AB24) and (AB25). (Side airbag equipped vehicle) <Ref. to 5-3 [W1A0].>
- 3) Disconnect connector (AB18) from airbag control module <Ref. to 5-5 [W6A0].>, and connect (AB18) to test harness I or I2 connector (11).
- 4) Connect battery ground cable and then turn ignition switch ON (engine off).
- 5) Measure voltage between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 6 (+) — Chassis ground (-):



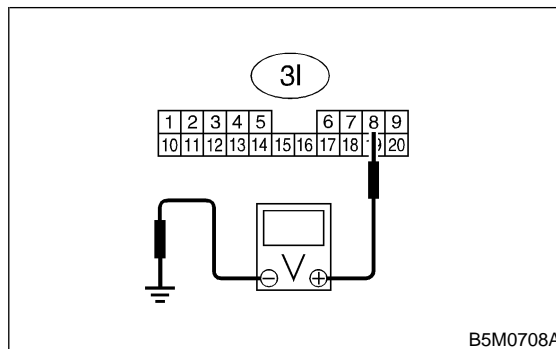
- CHECK** : **Is the voltage less than 1 V?**
- YES** : Go to step **5X3**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5X3 : SIDE AIRBAG HARNESS SHORTED TO POWER SUPPLY CIRCUIT INSPECTION

Measure voltage between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 8 (+) — Chassis ground (-):



- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

Y: TROUBLE CODE 66**DIAGNOSIS:**

ELR with pretensioner (LH) circuit is shorted to power supply.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5Y1 : ELR WITH PRETENSIONER INSPECTION

- 1) Disconnect connector (AB21) from ELR with pretensioner LH side <Ref. to 5-3 [W3A1].>, and connect (AB21) to test harness F connector (1F).
- 2) Connect airbag resistor to test harness F connector (3F).
- 3) Connect battery ground cable and then turn ignition switch to ON (engine off). Observe airbag warning light.

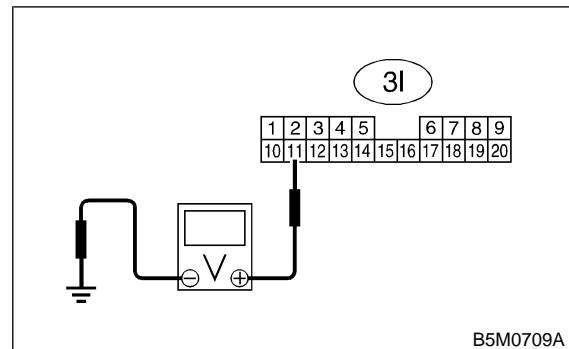
- CHECK** : **Does the airbag warning light come on for about 7 seconds, then go out and stay out?**
- YES** : Replace ELR with pretensioner LH side. <Ref. to 5-3 [W3A1].>
- NO** : Go to step **5Y2**.

5Y2 : SIDE AIRBAG HARNESS SHORTED TO POWER SUPPLY CIRCUIT INSPECTION

- 1) Turn ignition switch OFF, disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect side airbag connector LH side (AB19) and (AB20). (Side airbag equipped vehicle) <Ref. to 5-3 [W1A0].>
- 3) Disconnect connector (AB17) from airbag control module <Ref. to 5-5 [W6A0].>, and connect (AB17) to test harness I or I2 connector (1I).
- 4) Connect battery ground cable and then turn ignition switch ON (engine off).
- 5) Measure voltage between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 11 (+) — Chassis ground (-):



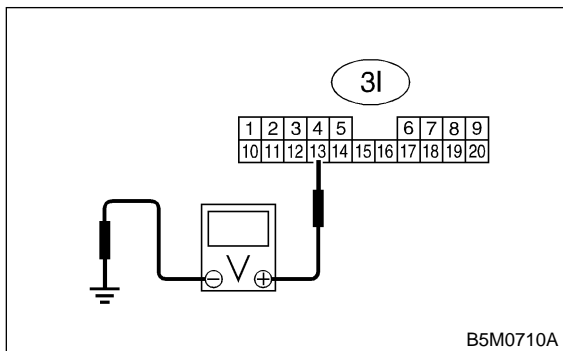
- CHECK** : **Is the voltage less than 1 V?**
- YES** : Go to step **5Y3**.
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

5Y3 : SIDE AIRBAG HARNESS SHORTED TO POWER SUPPLY CIRCUIT INSPECTION

Measure voltage between test harness I or I2 connector (3I) terminal and chassis ground.

Connector & terminal

(3I) No. 13 (+) — Chassis ground (-):



- CHECK** : **Is the voltage less than 1 V?**
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace side airbag harness. <Ref. to 5-5 [W5A0].>

Z: AIRBAG WARNING LIGHT REMAINS ON.

DIAGNOSIS:

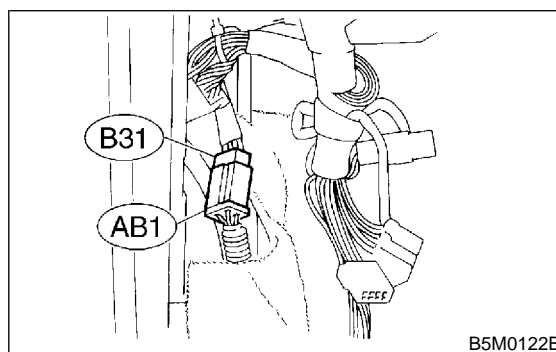
- Airbag warning light is faulty.
- Airbag control module to airbag warning light harness circuit is shorted or open.
- Grounding circuit is faulty.
- Airbag control module is faulty.
- (AB1) and (B31) are not connected properly.
- (AB6) is not connected properly to airbag control module.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.

5Z1 : CHECK POOR CONTACT IN CONNECTORS (AB1) AND (B31).

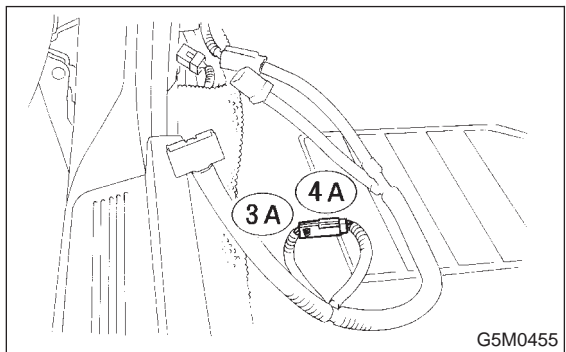
- 1) Remove instrument panel lower cover. <Ref. to 5-4 [W1A0].>
- 2) Check poor contact in connectors (AB1) and (B31) located in front pillar lower (driver side).



- CHECK** : **Is there poor contact in double lock of connectors (AB1) and (B31)?**
- YES** : Repair poor contact in double lock of connectors (AB1) and (B31).
- NO** : Go to step **5Z2**.

5Z2 : INSPECTION OF AIRBAG WARNING LIGHT

- 1) Turn ignition switch "OFF" and connect body harness connector (B31) to test connector A connector (1A).
- 2) Connect battery ground cable and turn ignition switch "ON", (engine off) and connect connectors (3A) and (4A).



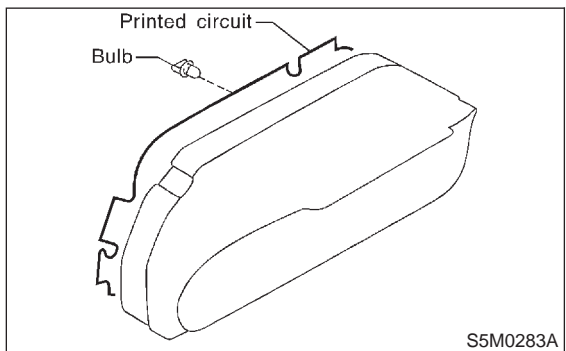
- CHECK** : Does the airbag warning light come off?
- YES** : Go to step 5Z4.
- NO** : Go to step 5Z3.

5Z3 : INSPECTION OF BODY HARNESS

Check body harness.

NOTE:

After problem has been eliminated, disconnect connectors (3A) and (4A).



- CHECK** : Is there anything unusual to body harness?
- YES** : Repair body harness.
- NO** : Replace airbag warning light bulb or combination meter printed circuit. <Ref. to 6-2 [W800].>

5Z4 : CHECK POOR CONTACT IN CONNECTOR (AB6).

Check connector (AB6) connected to airbag control module. <Ref. to 5-5 [W6A0].>

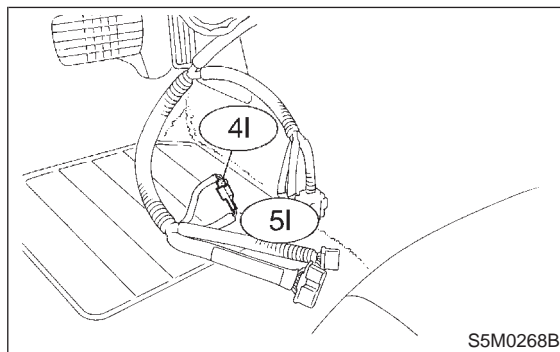
- CHECK** : Is there poor contact in connector (AB6)?
- YES** : Repair poor contact in connector (AB6).
- NO** : Go to step 5Z5.

5Z5 : INSPECTION OF AIRBAG MAIN HARNESS

- 1) Turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds, and re-connect connectors (AB1) and (B31).
- 2) Disconnect connector (AB3) with (AB8) and (AB9) with (AB10), then disconnect connector (AB6) from airbag control module, <Ref. to 5-5 [W6A0].> and connect it to test harness I or I2 connector (1I).
- 3) Connect battery ground cable and turn ignition switch "ON", (engine off) and connect connectors (4I) and (5I).

NOTE:

After problem has been eliminated, disconnect connectors (4I) and (5I).



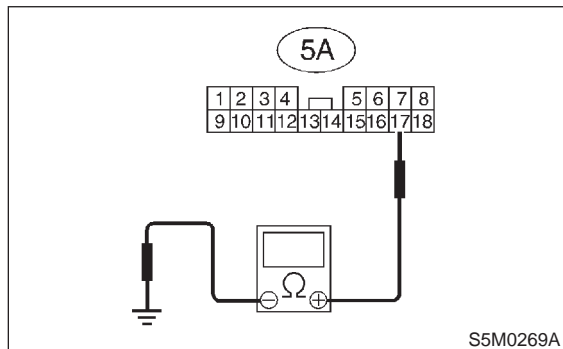
- CHECK** : Does the airbag warning light come off?
- YES** : Go to step 5Z6.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5Z6 : GROUNDING CIRCUIT INSPECTION

- 1) Turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect connector (AB1) from body harness connector (B31), and connect connector (B31) to test harness A connector (1A).
- 3) Measure resistance between connector (5A) terminal and chassis ground.

Connector & terminal

(5A) No. 17 (+) — Chassis ground (-):



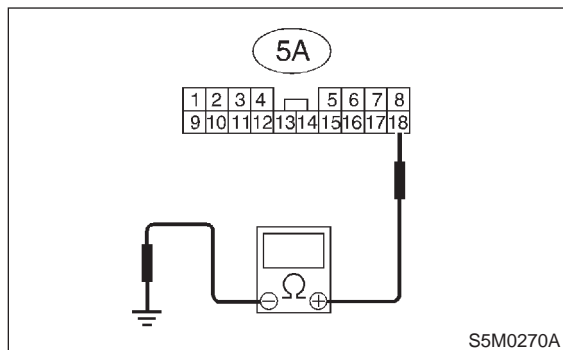
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5Z7.
- NO** : Repair body grounding circuit.

5Z7 : GROUNDING CIRCUIT INSPECTION

Measure resistance between connector (5A) terminal and chassis ground.

Connector & terminal

(5A) No. 18 (+) — Chassis ground (-):



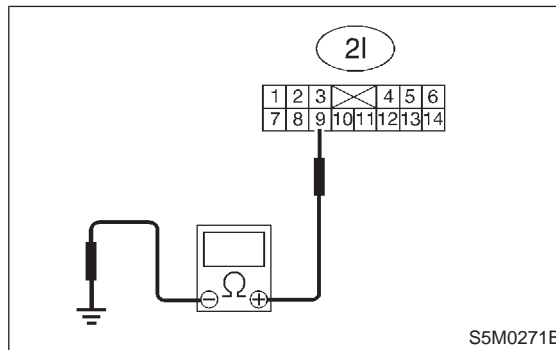
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5Z8.
- NO** : Repair body grounding circuit.

5Z8 : INSPECTION OF AIRBAG MAIN HARNESS

- 1) Connect connectors (AB1) and (B31). Disconnect connector (AB6) from airbag control module <Ref. to 5-5 [W6A0].>, and connect it to test harness I or I2 connector (1I).
- 2) Measure resistance between each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 9 (+) — Chassis ground (-):



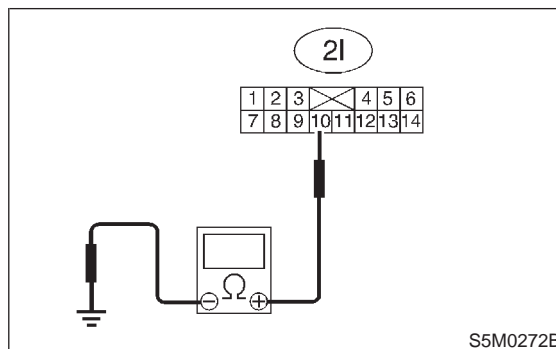
- CHECK** : Is resistance less than 10 Ω?
- YES** : Go to step 5Z9.
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

5Z9 : INSPECTION OF AIRBAG MAIN HARNESS

Measure resistance between each test harness I or I2 connector (2I) terminal and chassis ground.

Connector & terminal

(2I) No. 10 (+) — Chassis ground (-):



- CHECK** : Is resistance less than 10 Ω?
- YES** : Replace airbag control module. <Ref. to 5-5 [W6A0].>
- NO** : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

AA: AIRBAG WARNING LIGHT REMAINS OFF.

DIAGNOSIS:

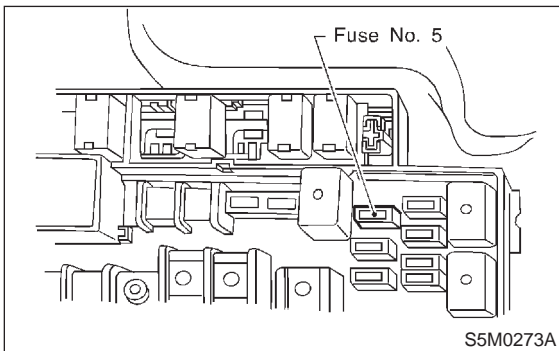
- Fuse No. 5 (in main fuse box) is blown.
- Body harness circuit is open.
- Airbag warning light is faulty.
- Airbag main harness is faulty.
- Airbag control module is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground terminal, and then wait at least 20 seconds.

5AA1 : FUSE NO. 5 (IN MAIN FUSE BOX) INSPECTION

Remove and visually check fuse No. 5 (In main fuse box).



- CHECK** : *Is fuse No. 5 blown?*
- YES** : Replace fuse No. 5. If fuse No. 5 blows again, Go to step **5AA2**.
- NO** : Go to step **5AA2**.

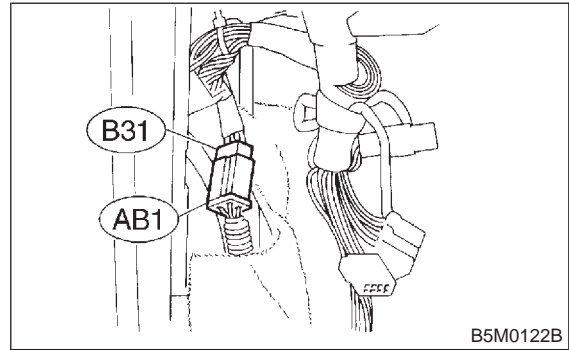
5AA2 : BODY HARNESS INSPECTION

Turn ignition switch "ON" (engine off) to make sure other warning lights (in combination meter) illuminate.

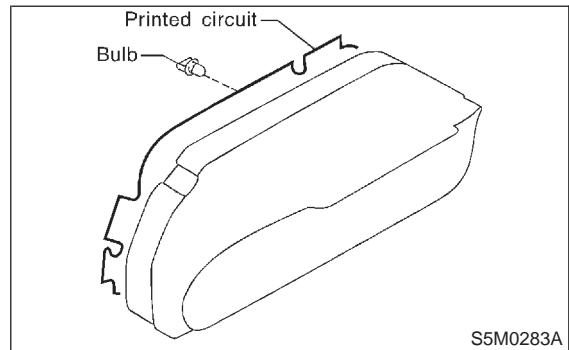
- CHECK** : *Do all the warning lights (in combination meter) except airbag warning light come on?*
- YES** : Go to step **5AA3**.
- NO** : Repair body harness.

5AA3 : AIRBAG WARNING LIGHT MODULE (IN COMBINATION METER) INSPECTION

- 1) Turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.
- 2) Disconnect body harness connector (B31) from connector (AB1) located in front pillar lower (driver side).



- 3) Connect battery ground cable and turn ignition switch "ON" (engine off) to make sure airbag warning light illuminates.



- CHECK** : *Does the airbag warning light come on?*
- YES** : Go to step **5AA4**.
- NO** : Replace airbag warning light bulb or combination meter printed circuit. <Ref. to 6-2 [W800].>

5AA4 : AIRBAG MAIN HARNESS INSPECTION

- 1) Turn ignition switch "OFF", disconnect battery ground cable and then wait at least 20 seconds.
- 2) Connect body harness connector (B31) and connector (AB1).
- 3) Disconnect connector (AB6) from airbag control module. <Ref. to 5-5 [W6A0].>
- 4) Connect battery ground cable and turn ignition switch "ON" to make sure airbag warning light illuminates.

CHECK : ***Does the airbag warning light come on?***

YES : Replace airbag control module. <Ref. to 5-5 [W6A0].>

NO : Replace airbag main harness. <Ref. to 5-5 [W4A0].>

AB: WARNING LIGHT INDICATES TROUBLE CODE, THEN NORMAL CODE. (FLASHING TROUBLE CODE.)

DIAGNOSIS:

Airbag system component parts are faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable, and then wait at least 20 seconds.

5AB1 : AIRBAG COMPONENT PARTS APPEARANCE INSPECTION

1) Conduct on-board diagnostic and call up trouble codes stored in memory. <Ref. to 5-5 [T4B0].>

2) Select trouble code required to check airbag component parts from those listed in table and reproduce symptom.

Trouble codes	Check parts	Index. No.
5	<ul style="list-style-type: none"> ● Airbag module (Driver) ● Roll connector ● Airbag main harness ● Airbag control module 	<p><Ref. to 5-5 [W300].> <Ref. to 5-5 [W800].> <Ref. to 5-5 [W400].> <Ref. to 5-5 [W600].></p>
11	<ul style="list-style-type: none"> ● Roll connector ● Airbag module (Driver) ● Airbag main harness ● Airbag control module 	<p><Ref. to 5-5 [W800].> <Ref. to 5-5 [W300].> <Ref. to 5-5 [W400].> <Ref. to 5-5 [W600].></p>
12	<ul style="list-style-type: none"> ● Airbag module (Passenger) ● Airbag main harness ● Airbag control module 	<p><Ref. to 5-5 [W300].> <Ref. to 5-5 [W400].> <Ref. to 5-5 [W600].></p>
15	<ul style="list-style-type: none"> ● Airbag module (Driver) ● Roll connector ● Airbag main harness ● Airbag control module 	<p><Ref. to 5-5 [W300].> <Ref. to 5-5 [W800].> <Ref. to 5-5 [W400].> <Ref. to 5-5 [W600].></p>
16	<ul style="list-style-type: none"> ● Airbag main harness ● Airbag module (Passenger) ● Airbag control module 	<p><Ref. to 5-5 [W400].> <Ref. to 5-5 [W300].> <Ref. to 5-5 [W600].></p>
21	Airbag control module	<Ref. to 5-5 [W600].>
22	Airbag control module	<Ref. to 5-5 [W600].>
25	<ul style="list-style-type: none"> ● Fuse No. 6 ● Airbag main harness ● Airbag control module ● Body harness 	<p><Ref. to 5-5 [T5J5].> <Ref. to 5-5 [W400].> <Ref. to 5-5 [W600].> <Ref. to 5-3 [W100].></p>
26	Side airbag module LH in front seat	<Ref. to 5-3 [W100].>
31	<ul style="list-style-type: none"> ● Airbag main harness ● Front sub sensor and front sub sensor harness (RH) 	<p><Ref. to 5-5 [W400].> <Ref. to 5-5 [W900].></p>
32	<ul style="list-style-type: none"> ● Airbag main harness ● Front sub sensor and front sub sensor harness (LH) 	<p><Ref. to 5-5 [W400].> <Ref. to 5-5 [W900].></p>
41	Side airbag module RH in front seat	<Ref. to 5-3 [W100].>
42	Side airbag module LH in front seat	<Ref. to 5-3 [W100].>
45	<ul style="list-style-type: none"> ● Airbag control module ● Side airbag module RH in front seat 	<p><Ref. to 5-5 [W600].> <Ref. to 5-3 [W100].></p>
46	<ul style="list-style-type: none"> ● Airbag control module ● Side airbag module LH in front seat 	<p><Ref. to 5-5 [W600].> <Ref. to 5-3 [W100].></p>
51	Side airbag sensor RH	<Ref. to 5-5 [W700].>
52	Side airbag sensor	<Ref. to 5-5 [W700].>
53	Side airbag sensor (RH)	<Ref. to 5-5 [W700].>
54	Side airbag sensor (LH)	<Ref. to 5-5 [W700].>
55	Side airbag module in front seat	<Ref. to 5-3 [W100].>

Trouble codes	Check parts	Index. No.
61	<ul style="list-style-type: none"> ● ELR with pretensioner (RH) ● Side airbag harness ● Airbag control module 	<Ref. to 5-3 [W300].> <Ref. to 5-5 [W500].> <Ref. to 5-5 [W600].>
62	<ul style="list-style-type: none"> ● ELR with pretensioner (LH) ● Side airbag harness ● Airbag control module 	<Ref. to 5-3 [W300].> <Ref. to 5-5 [W500].> <Ref. to 5-5 [W600].>
65	<ul style="list-style-type: none"> ● ELR with pretensioner (RH) ● Side airbag harness ● Airbag control module 	<Ref. to 5-3 [W300].> <Ref. to 5-5 [W500].> <Ref. to 5-5 [W600].>
66	<ul style="list-style-type: none"> ● ELR with pretensioner (LH) ● Side airbag harness ● Airbag control module 	<Ref. to 5-3 [W300].> <Ref. to 5-5 [W500].> <Ref. to 5-5 [W600].>

3) Conduct appearance inspection on parts selected.

NOTE:

Also check connector terminals, wiring harness, case, etc. for damage.

CHECK : *Is there anything unusual about the appearance of airbag component parts?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AB2**.

5AB2 : AIRBAG COMPONENT PARTS VIBRATION INSPECTION

1) Gently shake check parts (to determine faults.).
 2) To check airbag module or roll connector, turn and tilt steering wheel.

CAUTION:

Do not shake or vibrate airbag control module.

CHECK : *Does the component malfunction again when shaking?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AB3**.

5AB3 : SHOWERING INSPECTION TO BODY

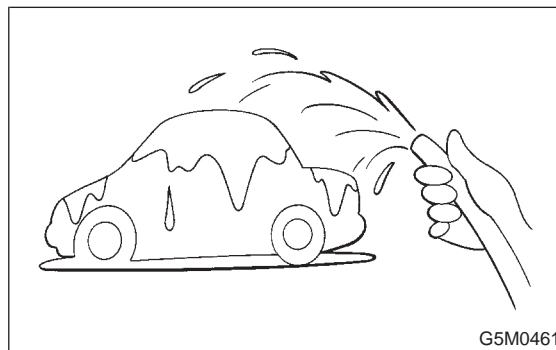
Spray water on vehicle body.

CAUTION:

Do not directly spray water on airbag components.

NOTE:

Also check wiring harnesses as water may leak along them and get airbag component parts wet.



CHECK : *Does water leak into the passenger compartment when showering vehicle?*

YES : Replace faulty airbag component parts.

NO : Perform clear memory. <Ref. to 5-5 [T4C0].>

AC: WARNING LIGHT INDICATES TROUBLE CODE, THEN NORMAL CODE. (FLASHING NORMAL CODE.)

DIAGNOSIS:

- Airbag connector is faulty.
- Fuse No. 11 (in joint box) is blown.
- Airbag main harness is faulty.
- Airbag control module is faulty.
- Body harness is faulty.

CAUTION:

Before performing diagnostics on airbag system, turn ignition switch "OFF", disconnect battery ground cable, and then wait at least 20 seconds.

5AC1 : AIRBAG CONNECTOR APPEARANCE INSPECTION

Conduct appearance inspection on airbag connectors (AB2) through (AB26). <Ref. to 5-5 [T100].>

NOTE:

Check terminals, case and wiring harnesses for damage.

CHECK : *Is there anything unusual about the appearance of connectors (AB2) through (AB26)?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AC2**.

5AC2 : AIRBAG CONNECTOR VIBRATION INSPECTION

Conduct vibration inspection on airbag connectors (AB2) through (AB26). <Ref. to 5-5 [T100].>

NOTE:

Gently shake each airbag connector.

CHECK : *Do the connectors (AB2) through (AB26) malfunction again when shaking?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AC3**.

5AC3 : SHOWERING INSPECTION TO BODY

Spray water on vehicle body.

CAUTION:

Do not directly spray water on airbag components.

NOTE:

If leaks are noted, also check wiring harnesses as water may leak along them and wet airbag connectors.



CHECK : *Does water leak into the passenger compartment when showering vehicle?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AC4**.

5AC4 : FUSE NO. 11 (IN JOINT BOX), AIRBAG MAIN HARNESS, AIRBAG CONTROL MODULE, BODY HARNESS APPEARANCE INSPECTION

Conduct appearance inspection on fuse No. 11 <Ref. to 5-5 [T5I5].>, airbag main harness <Ref. to 5-5 [W4A0].>, airbag control module <Ref. to 5-5 [W6A0].> and body harness.

NOTE:

Also check connectors, terminals, wiring harness and case for damage.

CHECK : *Is there anything unusual about the appearance of fuse No. 11, airbag main harness, airbag control module or body harness?*

YES : Replace faulty airbag component parts.

NO : Go to step **5AC5**.

5AC5 : FUSE NO. 11 (IN JOINT BOX), AIR-BAG MAIN HARNESS, BODY HARNESS VIBRATION INSPECTION

Conduct vibration inspection on fuse No. 11, airbag main harness and body harness.

CAUTION:

Do not shake or vibrate airbag control module.

NOTE:

Gently shake each part.

CHECK : **Do fuse No. 11, airbag main harness or body harness malfunction again when shaking?**

YES : Replace faulty airbag component parts.

NO : Go to step **5AC6**.

5AC6 : SHOWERING INSPECTION TO BODY

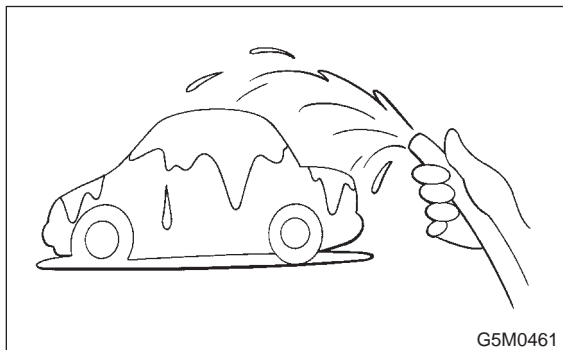
Spray water on vehicle body.

CAUTION:

Do not directly spray water on each part.

NOTE:

If leaks are noted, check wiring harnesses as water may leak along them and get parts wet.



CHECK : **Does water leak into the passenger compartment when showering vehicle?**

YES : Replace faulty airbag component parts.

NO : Go to step **5AC7**.

5AC7 : WARNING LIGHT ILLUMINATION CHECK

Turn ignition switch "ON" (engine off) and observe airbag warning light.

CHECK : **Does the airbag warning light come on for about 7 seconds, then go out and stay out?**

YES : Perform clear memory. <Ref. to 5-5 [T4C0].>

NO : Go to "DIAGNOSTICS PROCEDURE". <Ref. to 5-5 [T4D0].>

MEMO: