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AIRBAG SYSTEM (DIAGNOSTICS)

Basic Diagnostic Procedure

AIRBAG SYSTEM (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

	Step	Check	Yes	No
1	CHECK AIRBAG WARNING LIGHT. Turn the ignition switch to ON.	Does airbag warning light illuminate?	Go to step 2.	<Ref. to AB(diag)-37, Airbag Warning Light Failure.>Go to "Airbag Warning Light Failure".
2	READ DTC. <Ref. to AB(diag)-34, Read Diagnostic Trouble Code (DTC).>	Is the normal code being detected?	Finish the diagnosis.	Go to step 3.
3	PERFORM DIAGNOSIS. 1) Judge the possible cause from "List of Diagnostic Trouble Code". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).> 2) Inspect the DTC using "List of Diagnostic Trouble Code (DTC)". 3) Repair the trouble cause. 4) Perform the Clear Memory Mode. <Ref. to AB(diag)-36, Clear Memory Mode.> 5) Perform the Inspection Mode. <Ref. to AB(diag)-35, Inspection Mode.> 6) Read any other DTCs displayed.	Is DTC being displayed?	Perform the procedure 1) to 5) in step 3.	Finish the diagnosis.

Check List for Interview

AIRBAG SYSTEM (DIAGNOSTICS)

2. Check List for Interview

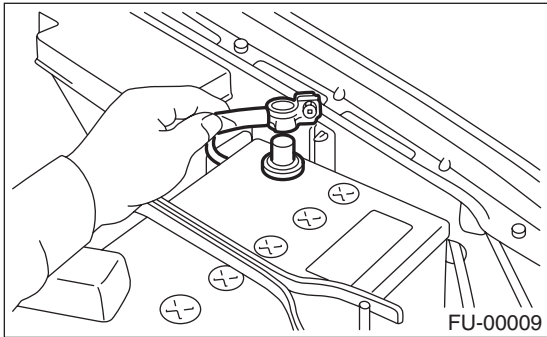
A: CHECK

Customer's name		Inspector's name	
Date vehicle brought in	/ /	Registration No.	
Odometer reading	km miles	V.I.N.	
Date problem occurred	/ /	Registration year	/ /
Weather	<input type="checkbox"/> Fine <input type="checkbox"/> Cloudy <input type="checkbox"/> Rainy <input type="checkbox"/> Snowy <input type="checkbox"/> Others:		
Temperature	°C (°F)		
Road condition	<input type="checkbox"/> Flat road <input type="checkbox"/> Uphill <input type="checkbox"/> Downhill <input type="checkbox"/> Gravel road <input type="checkbox"/> Others:		
Vehicle operation	<input type="checkbox"/> Starting <input type="checkbox"/> Idling <input type="checkbox"/> Driving <input type="checkbox"/> Constant speed <input type="checkbox"/> Accelerating <input type="checkbox"/> Decelerating <input type="checkbox"/> Turning <input type="checkbox"/> Others:		
Details of problem			
Airbag warning light operation	<input type="checkbox"/> Normal (After turning the ignition switch to ON, lit for approximately 6 seconds and goes off.) <input type="checkbox"/> Remains ON <input type="checkbox"/> Remains OFF		
DTC output	<input type="checkbox"/> OK code <input type="checkbox"/> DTC: (Code:)		

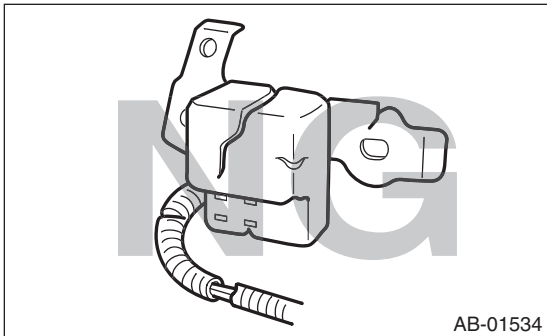
3. General Description

A: CAUTION

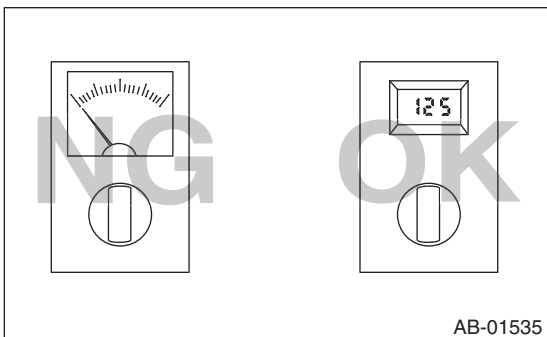
- When servicing a vehicle, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait for 20 seconds or more before starting work.
- The airbag system is fitted with a backup power source. If the airbag system is serviced within 20 seconds after the ground cable is disconnected, it may deploy.



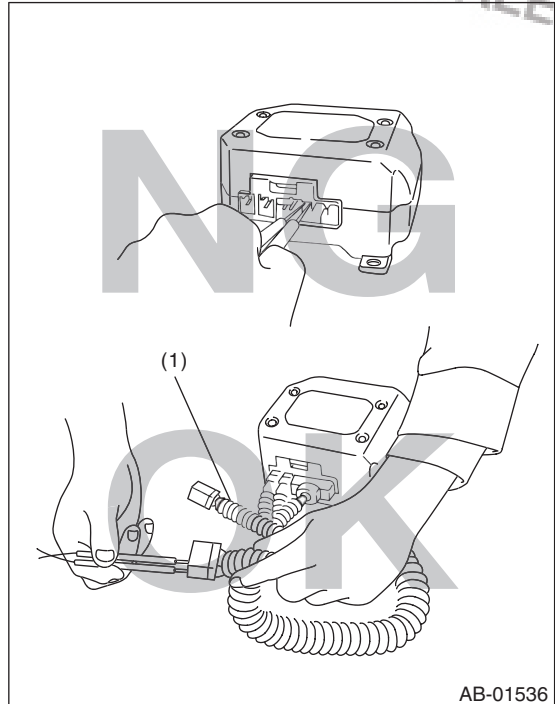
- If sensors, airbag module, airbag control module, pretensioner or harness is deformed or damaged, replace with new parts.



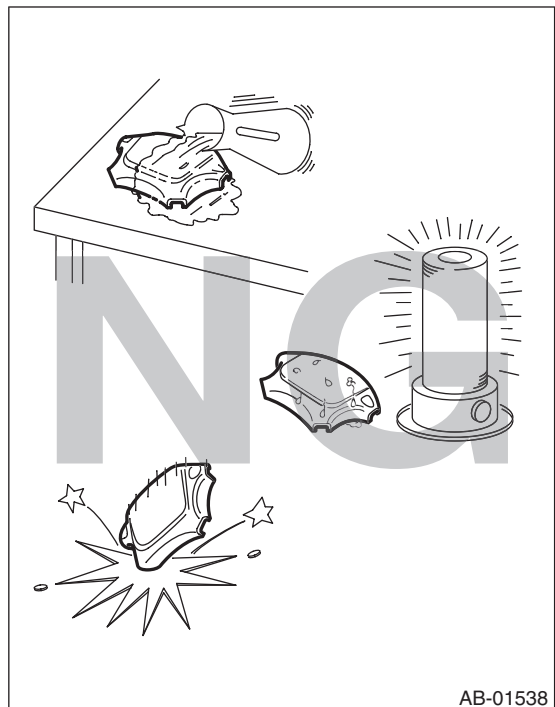
- Do not use the airbag system and pretensioners on other vehicles. When replacing parts, be sure to replace them with new parts.
- When checking the airbag system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously.



- When checking, use a test harness (1). Do not directly apply the tester probe to connector terminal of airbag.



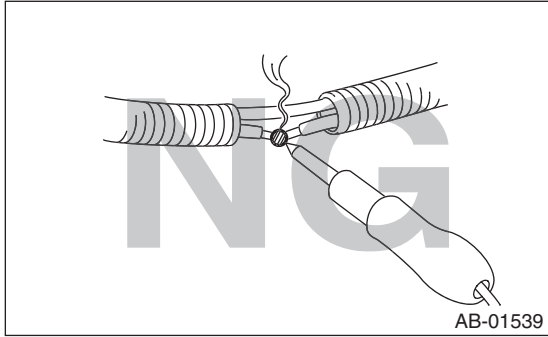
- Do not drop the airbag module parts, subject them to high temperature of 93°C (199°F) or more, or let water, oil or grease get on them; otherwise, the internal parts may be damaged and reliability greatly lowered.



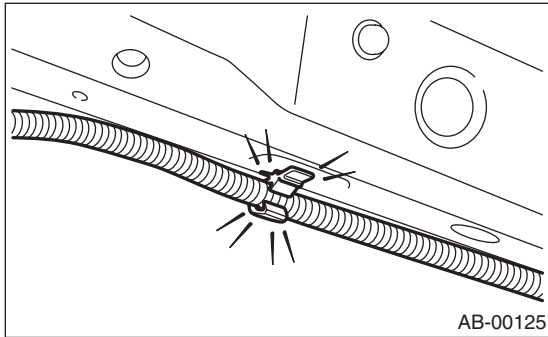
General Description

AIRBAG SYSTEM (DIAGNOSTICS)

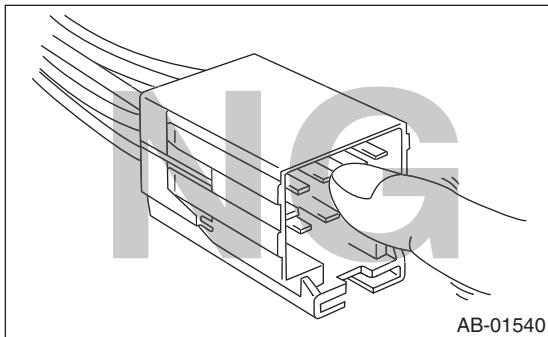
- If damage, open circuit or rust is found on airbag system wiring harness, do not use solder to repair. Replace the faulty harness with a new genuine part.



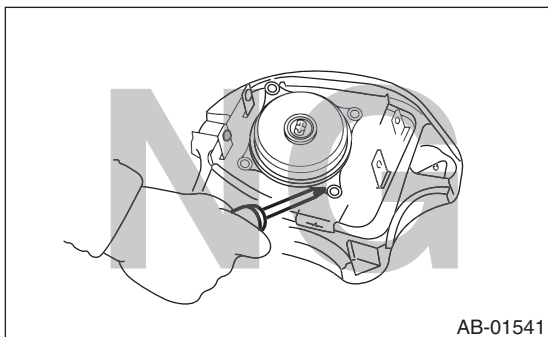
- Install the wiring harness securely with the specified clips to avoid interference or tangled with other parts.



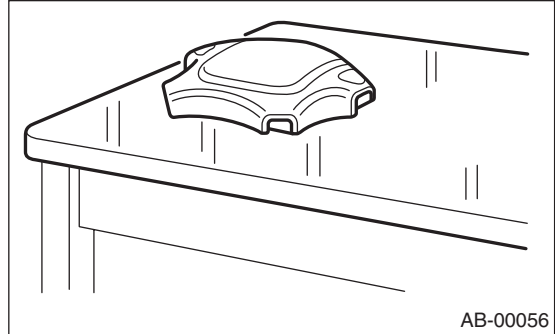
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals.



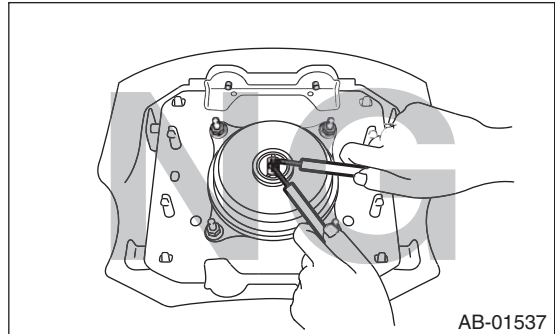
- Do not disassemble the airbag modules on the Driver's side, passengers side, or for the side air-bag system.



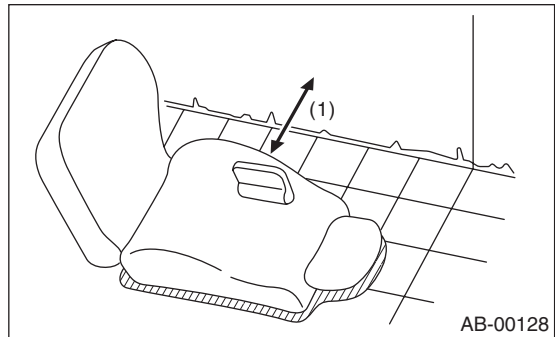
- The airbag module cannot be used again if deployed once.
- After removal, keep the airbag module with the pad facing upward on a dry, clean, and flat surface away from heat and light sources, and moisture and dust.



- Do not check continuity of the airbag modules on the driver's side, passenger's side, side airbag modules, or the pretensioner.



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



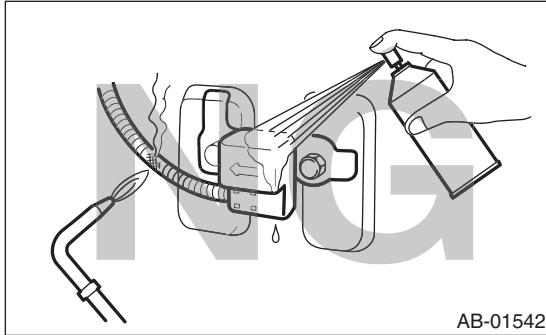
(1) 200 mm (8 in) or more

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

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

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

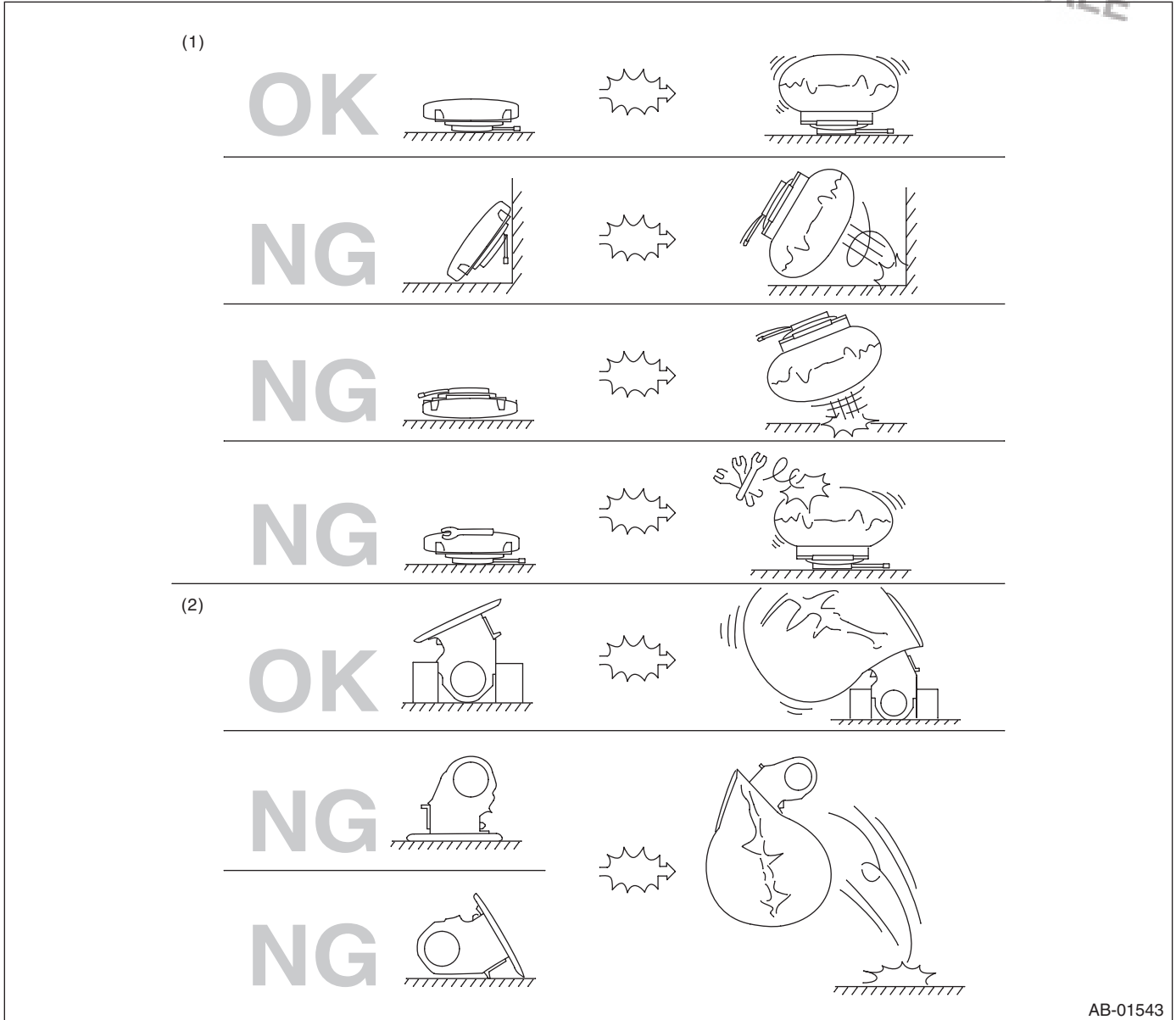


- Do not discard undeployed airbag module. They could easily cause a serious accident if accidentally deployed.

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

- When storing a removed airbag module, do not place any objects on the module or stack them on top of each other. If the airbag inflates for some reason when it is placed with its pad side facing downward or under any object, a serious accident may result.



AB-01543

(1) Driver's airbag module

(2) Passenger's airbag module

B: INSPECTION

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

1. BATTERY

Measure the battery voltage and specific gravity of the electrolyte.

Standard voltage: 12 V

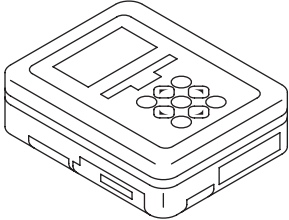
Specific gravity: 1.260 or more

General Description

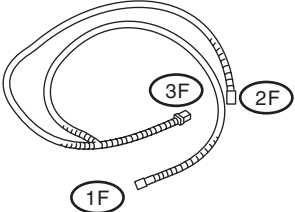
AIRBAG SYSTEM (DIAGNOSTICS)

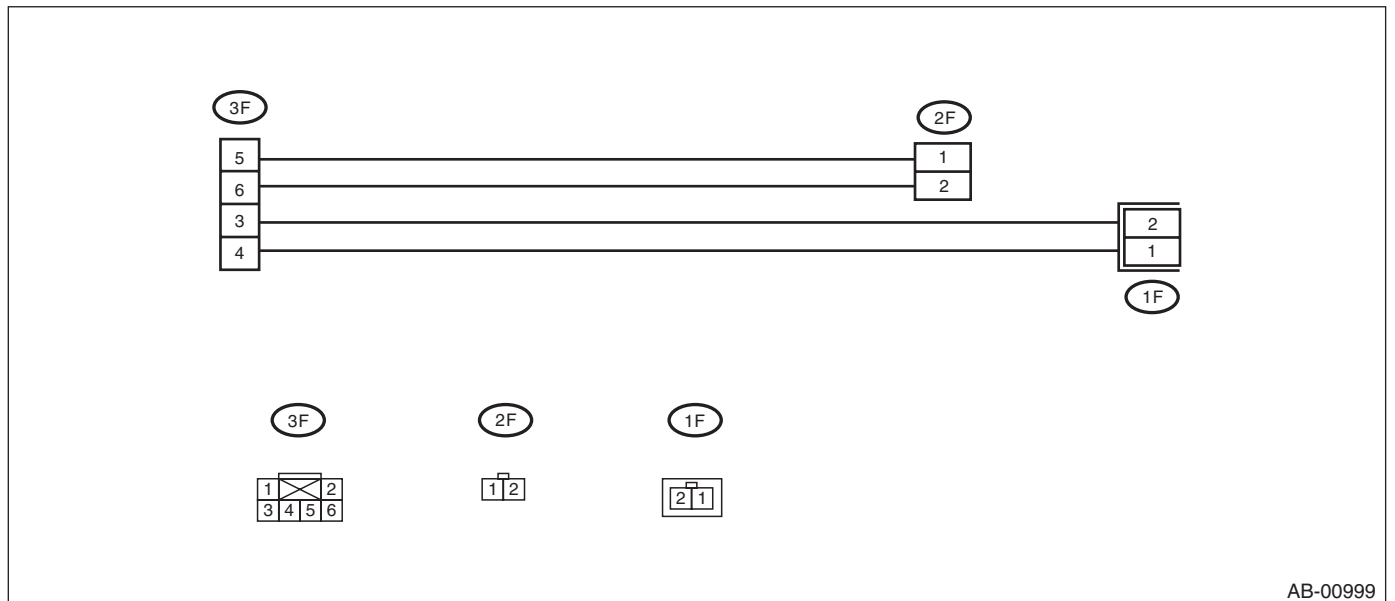
C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B020XU0	1B020XU0	SUBARU SELECT MONITOR III	Used for troubleshooting the electrical system.

TEST HARNESS F

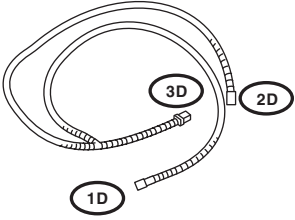
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299FC010	98299FC010	TEST HARNESS F	Used when measuring voltage and resistance of side airbag module harnesses.

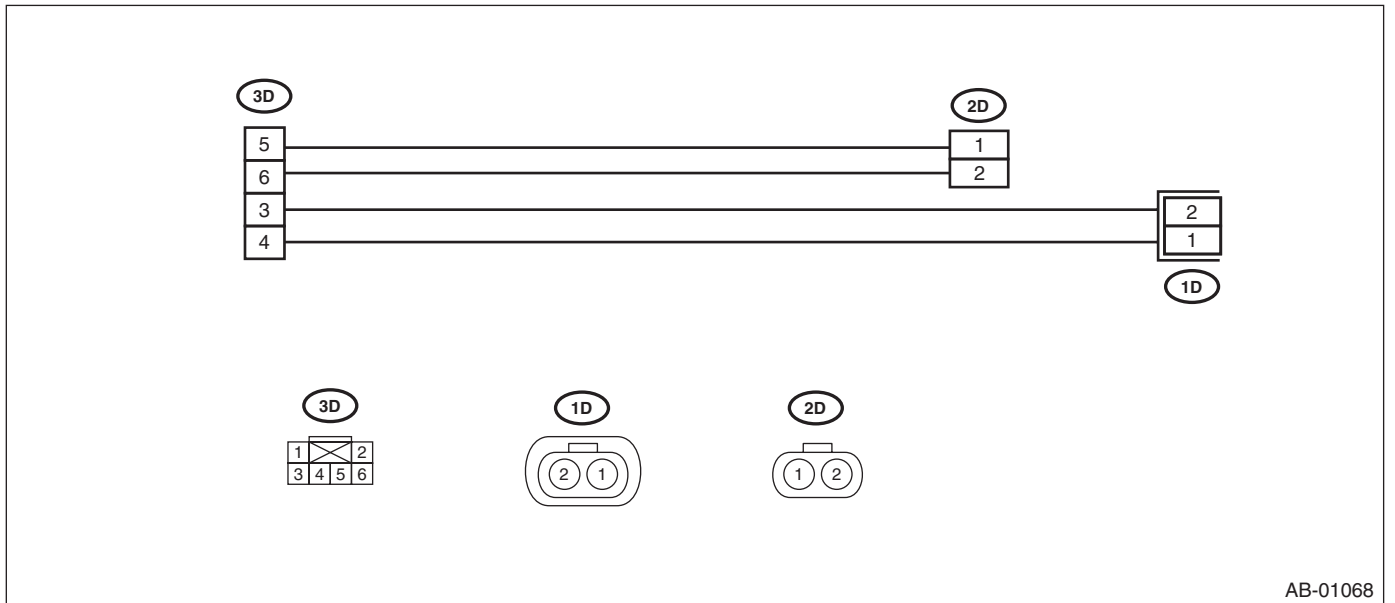


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS D

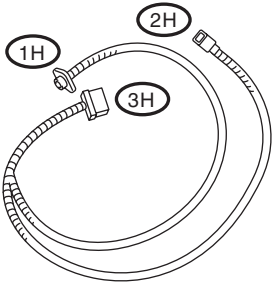
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p data-bbox="321 569 467 590">ST98299AG060</p>	98299AG060	TEST HARNESS D	Used when measuring voltage and resistance of the front seat belt buckle switch.

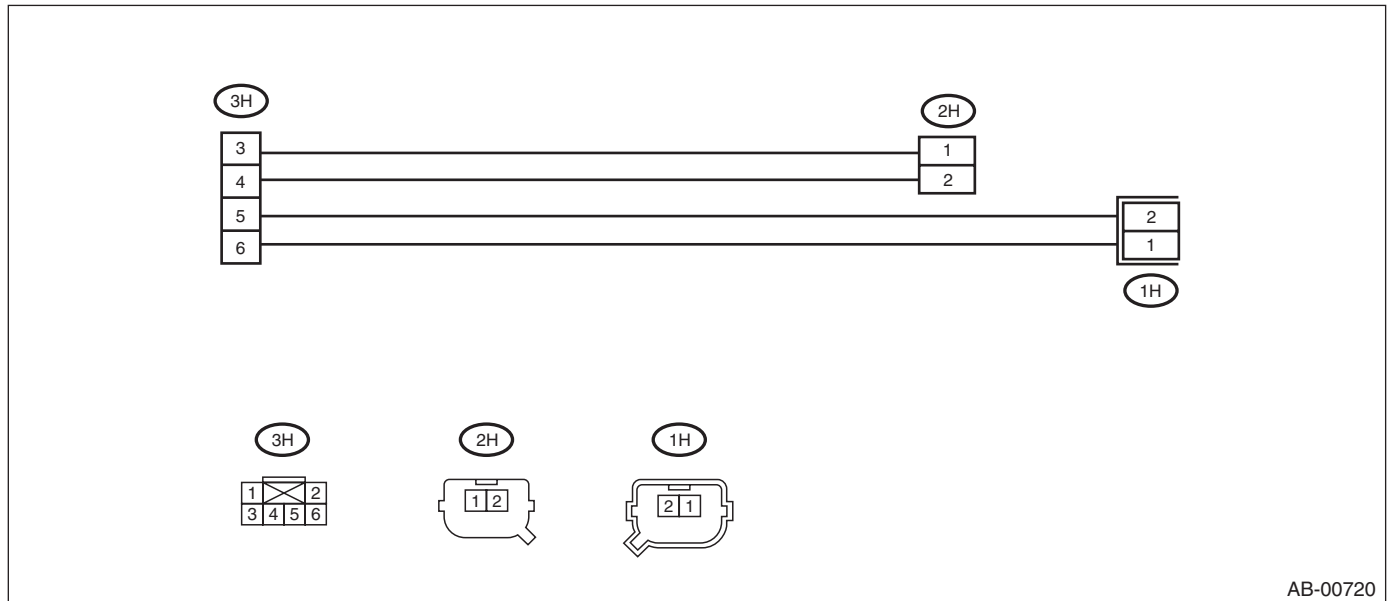


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS H

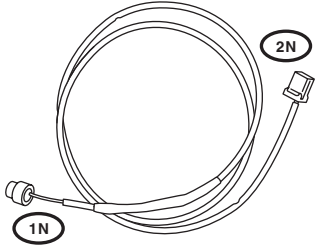
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST98299FA030</p>	98299FA030	TEST HARNESS H	Used when measuring voltage and resistance of front sub sensor and seat position sensor.

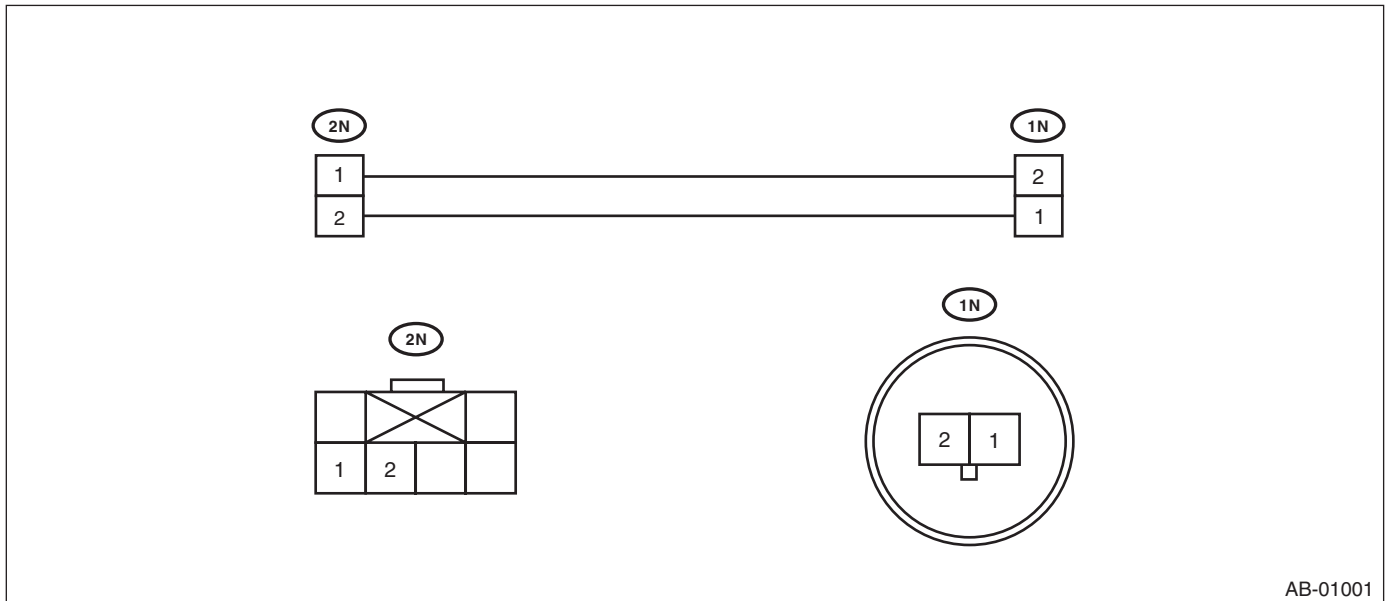


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS N

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299SA000</p>	98299SA000	TEST HARNESS N	Used when measuring voltage and resistance of driver's airbag module and seat belt pretensioner.

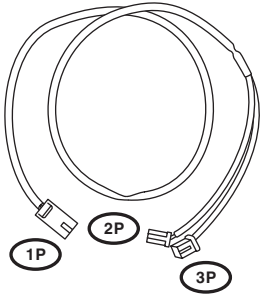


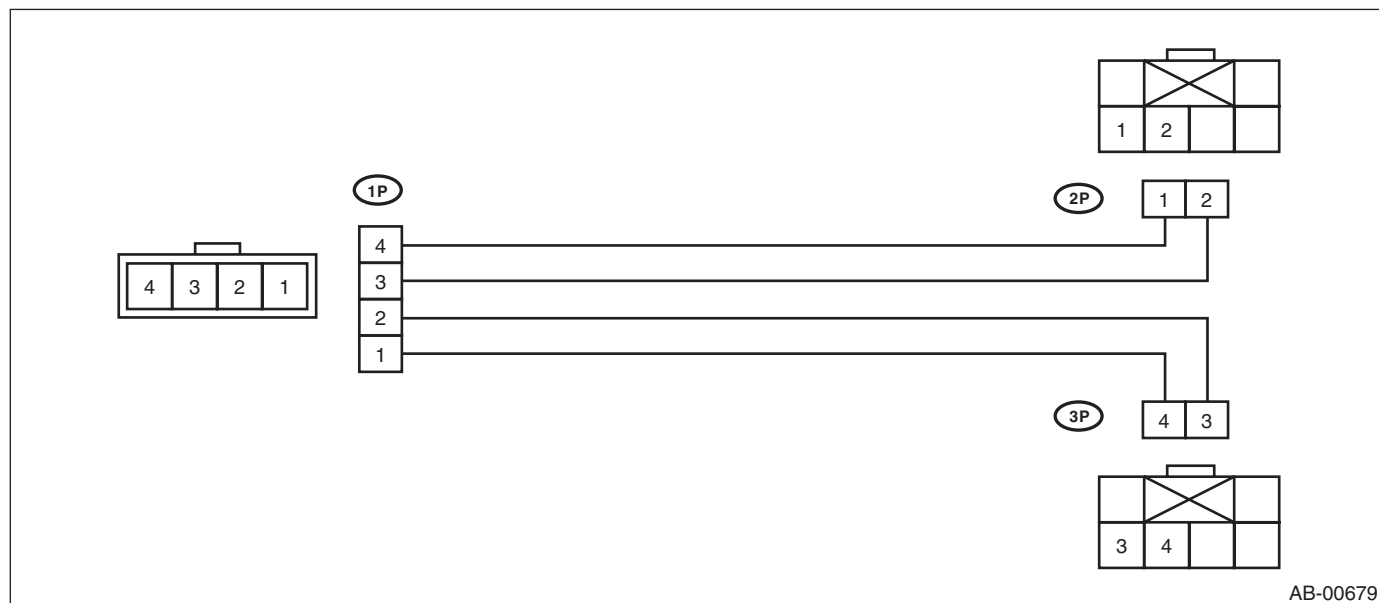
AB-01001

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS P

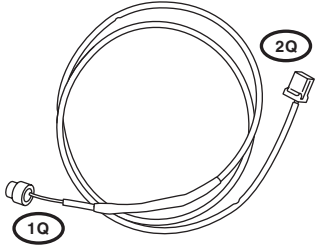
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST98299SA020</p>	98299SA020	TEST HARNESS P	Used when measuring voltage and resistance of driver's airbag module harness and passenger's airbag module harness.

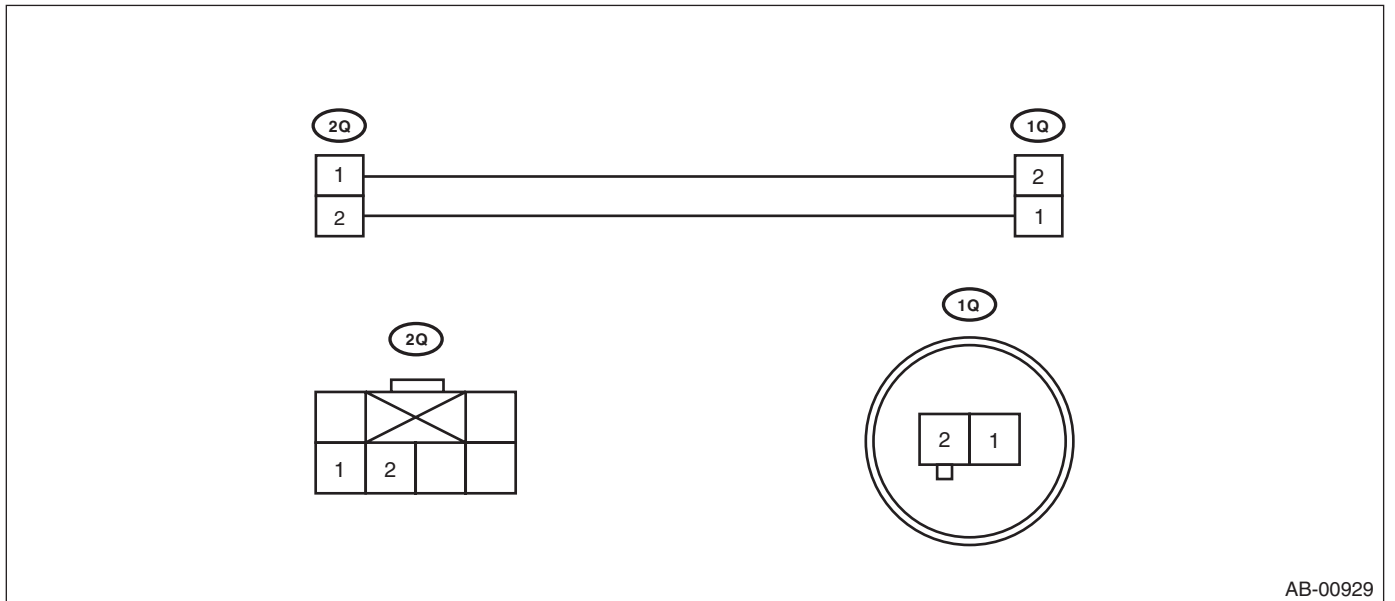


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS Q

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299SA040</p>	98299SA040	TEST HARNESS Q	Used when measuring voltage and resistance of driver's airbag module.

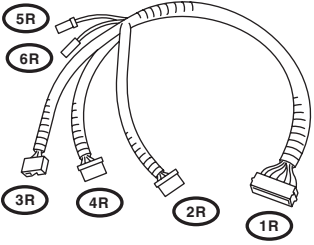


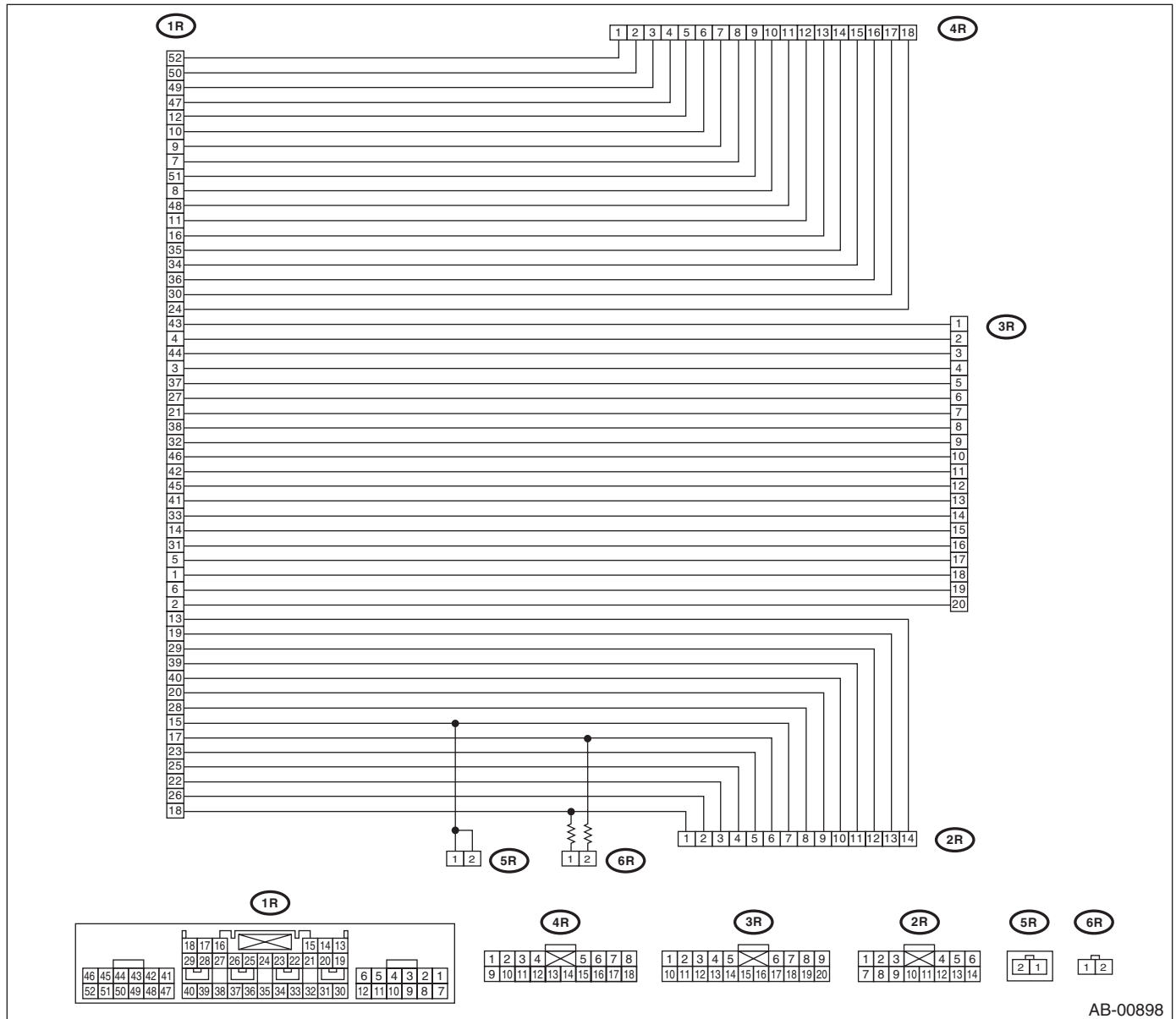
AB-00929

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS R

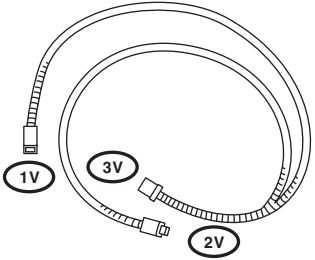
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p style="text-align: center;">ST98299FE030</p>	98299FE030	TEST HARNESS R	Used when measuring voltage and resistance of airbag control module.

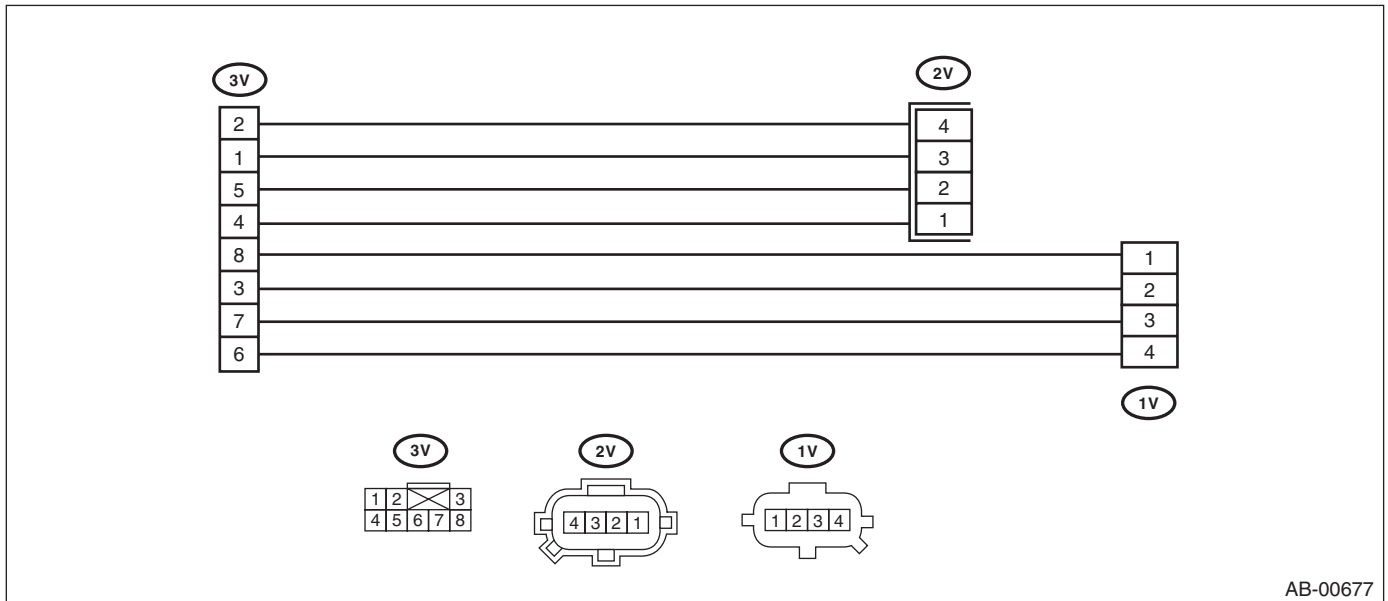


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS V

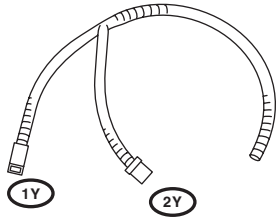
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299AG010</p>	98299AG010	TEST HARNESS V	Used when measuring voltage and resistance of side airbag sensor.

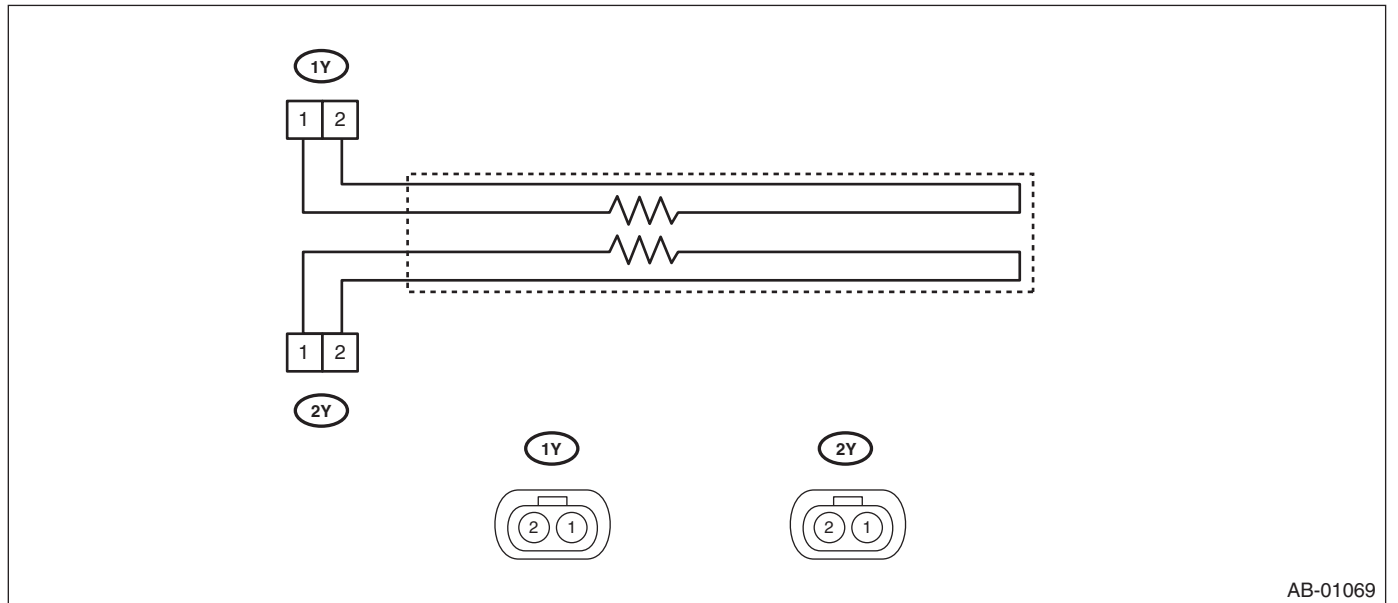


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS Y

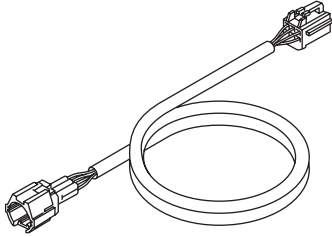
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p data-bbox="326 569 467 590">ST98299AG040</p>	98299AG040	TEST HARNESS Y	Used for diagnosing seat belt buckle switch and seat position sensor.

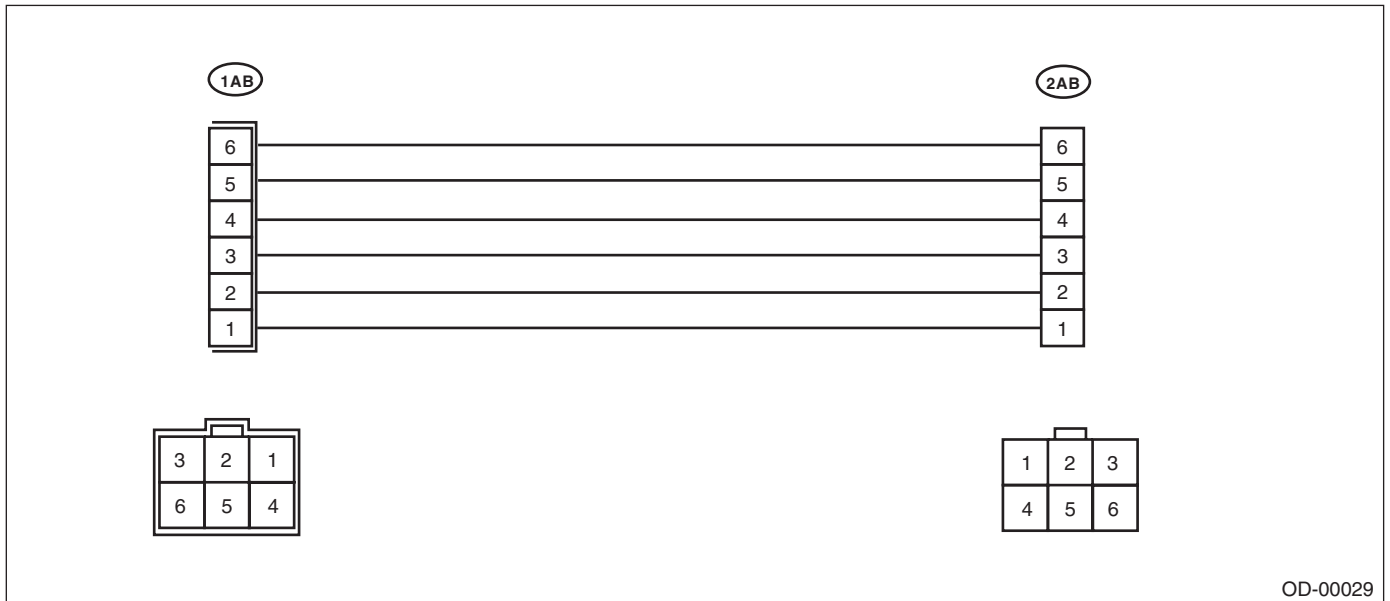


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS AB

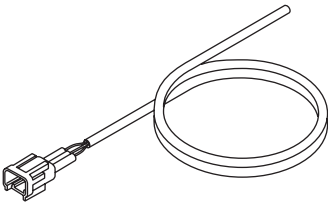
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p data-bbox="326 569 467 590">ST98299XA000</p>	98299XA000	TEST HARNESS AB	Used when measuring voltage and resistance of occupant detection system.

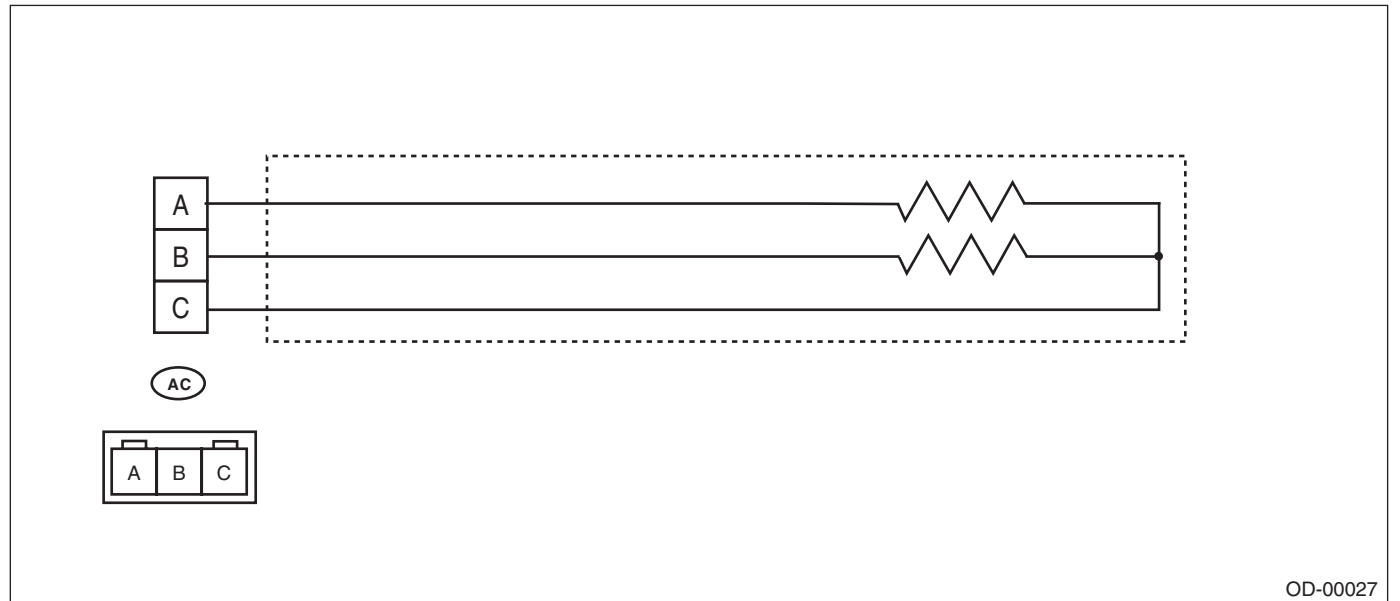


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS AC

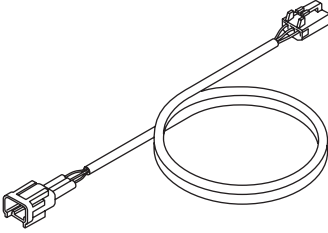
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299XA010	98299XA010	TEST HARNESS AC	Used for diagnosing seat belt tension sensor.

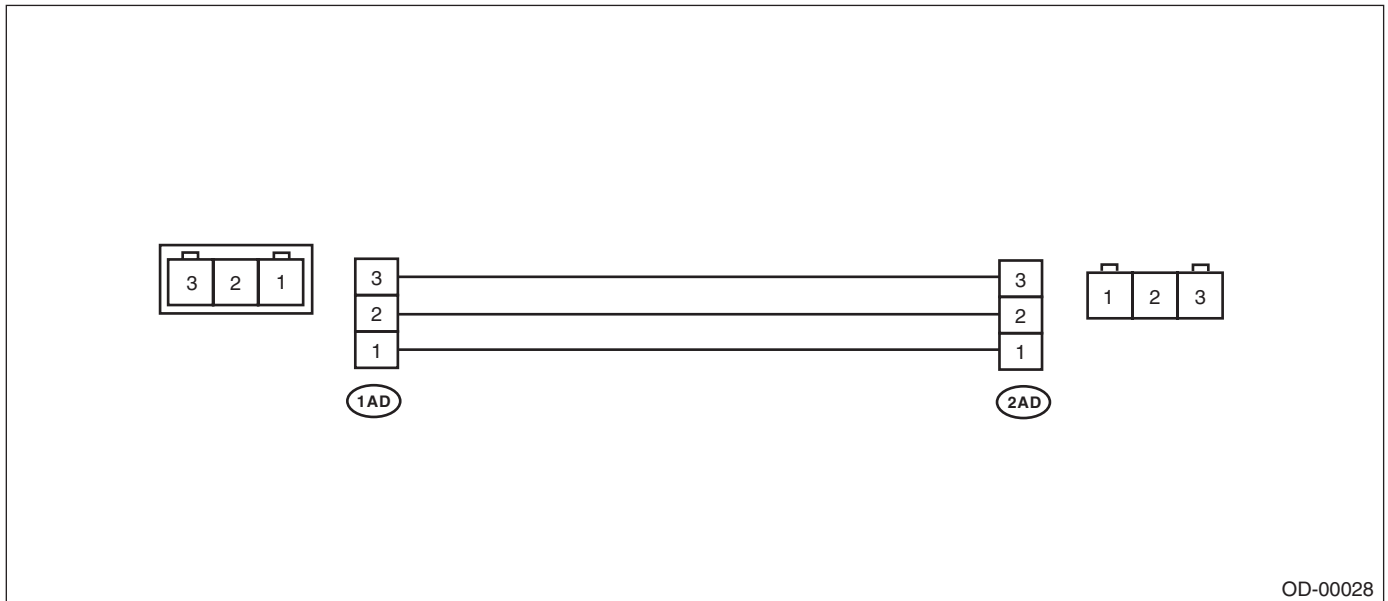


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS AD

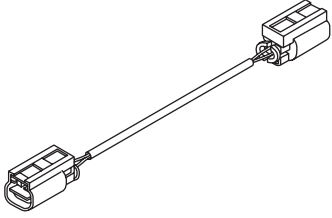
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p data-bbox="326 569 467 590">ST98299XA020</p>	98299XA020	TEST HARNESS AD	Used when measuring voltage and resistance of the seat belt tension sensor.

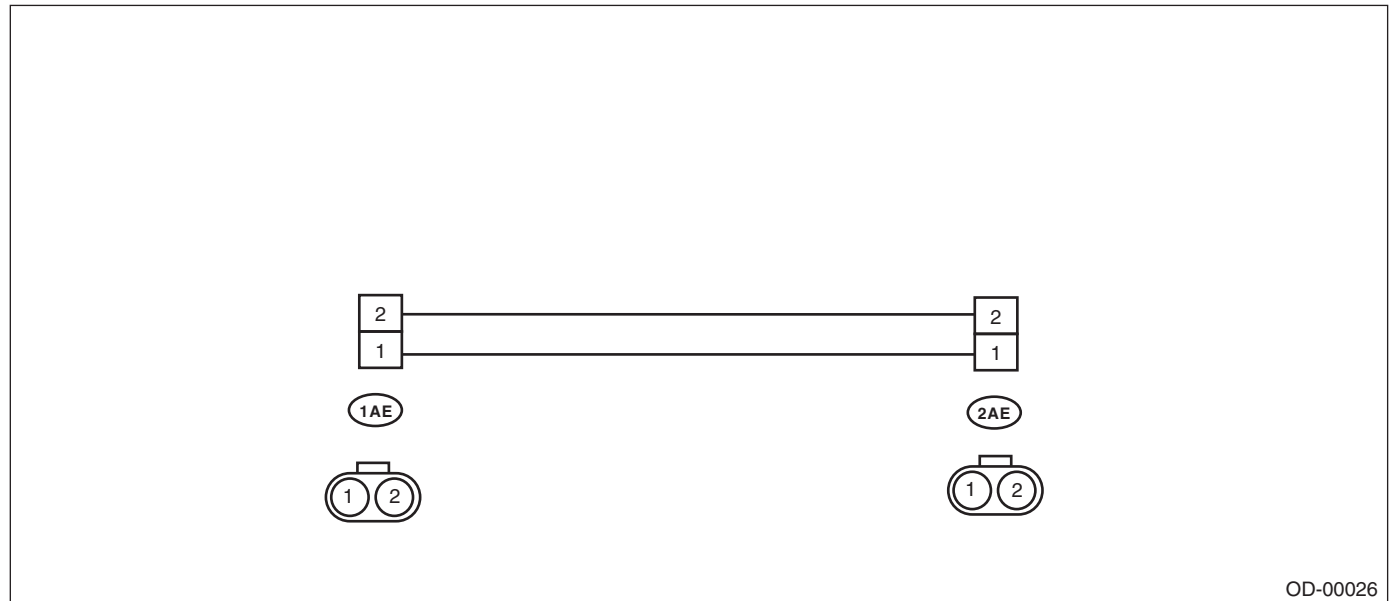


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

TEST HARNESS AE

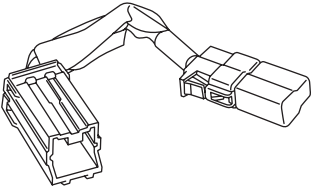
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299XA030	98299XA030	TEST HARNESS AE	<ul style="list-style-type: none">• Used for diagnosing seat belt tension sensor.• Used together with the test harness Y.

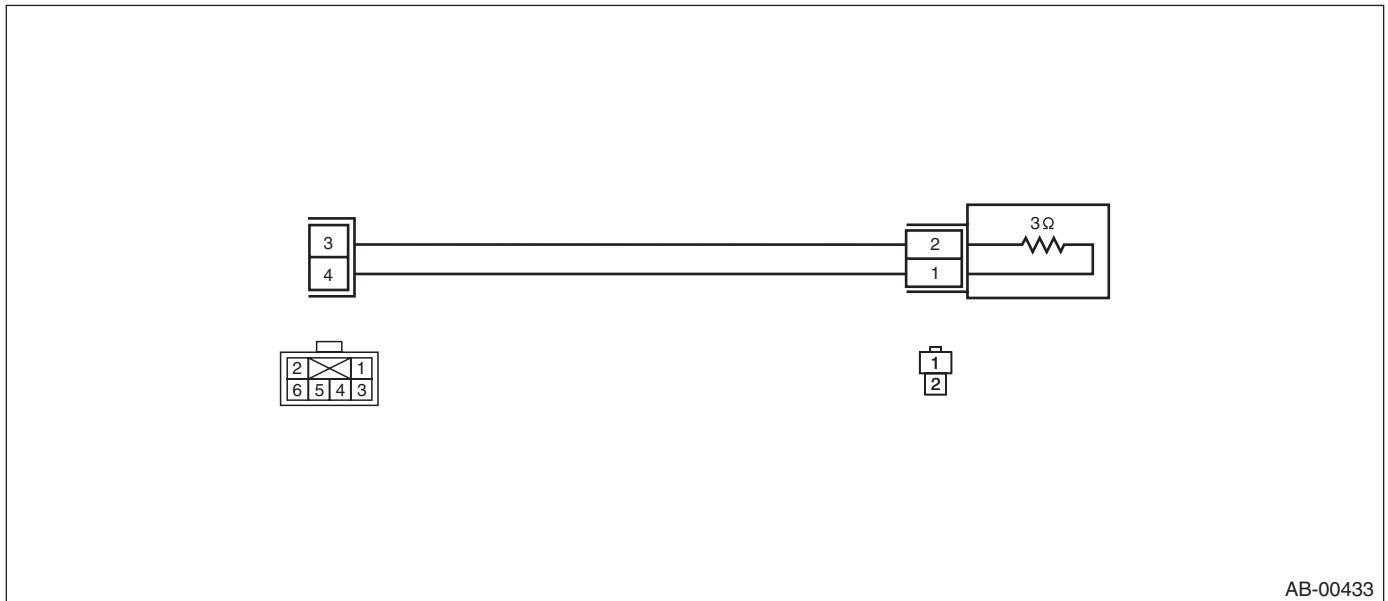


General Description

AIRBAG SYSTEM (DIAGNOSTICS)

AIRBAG RESISTOR

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p data-bbox="329 569 467 590">ST98299PA040</p>	98299PA040	AIRBAG RESISTOR	Used in replacement of airbag module for which resistance value is same as airbag module.



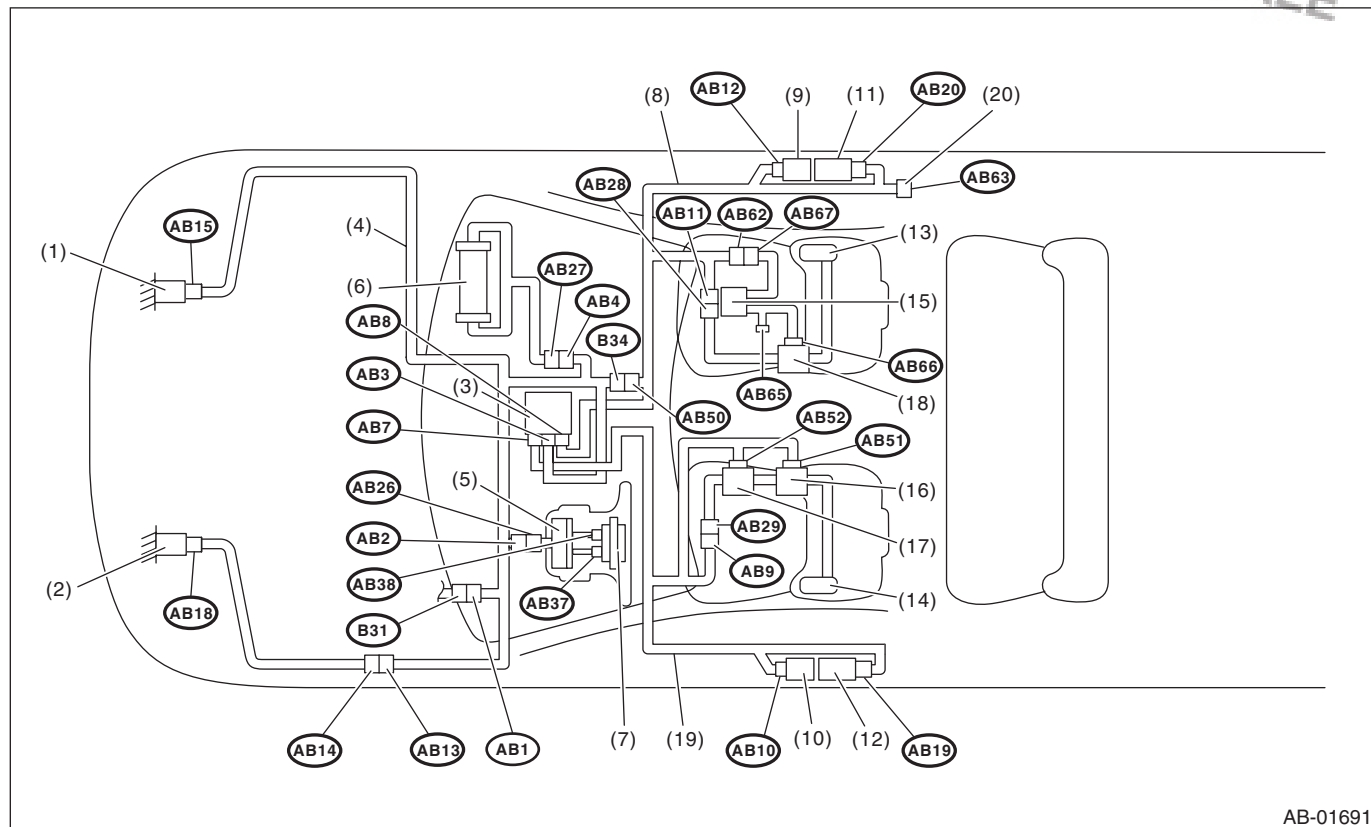
AB-00433

Electrical Component Location

AIRBAG SYSTEM (DIAGNOSTICS)

4. Electrical Component Location

A: LOCATION



AB-01691

- | | | |
|-------------------------------|----------------------------------|--|
| (1) Front sub sensor (RH) | (8) Airbag rear harness (RH) | (15) Occupant detection control module |
| (2) Front sub sensor (LH) | (9) Side airbag sensor (RH) | (16) Buckle switch (LH) |
| (3) Airbag control module | (10) Side airbag sensor (LH) | (17) Seat position sensor |
| (4) Airbag main harness | (11) Seat belt pretensioner (RH) | (18) Buckle switch (RH) |
| (5) Roll connector | (12) Seat belt pretensioner (LH) | (19) Airbag rear harness (LH) |
| (6) Passenger's airbag module | (13) Side airbag module (RH) | (20) Belt tension sensor |
| (7) Driver's airbag module | (14) Side airbag module (LH) | |

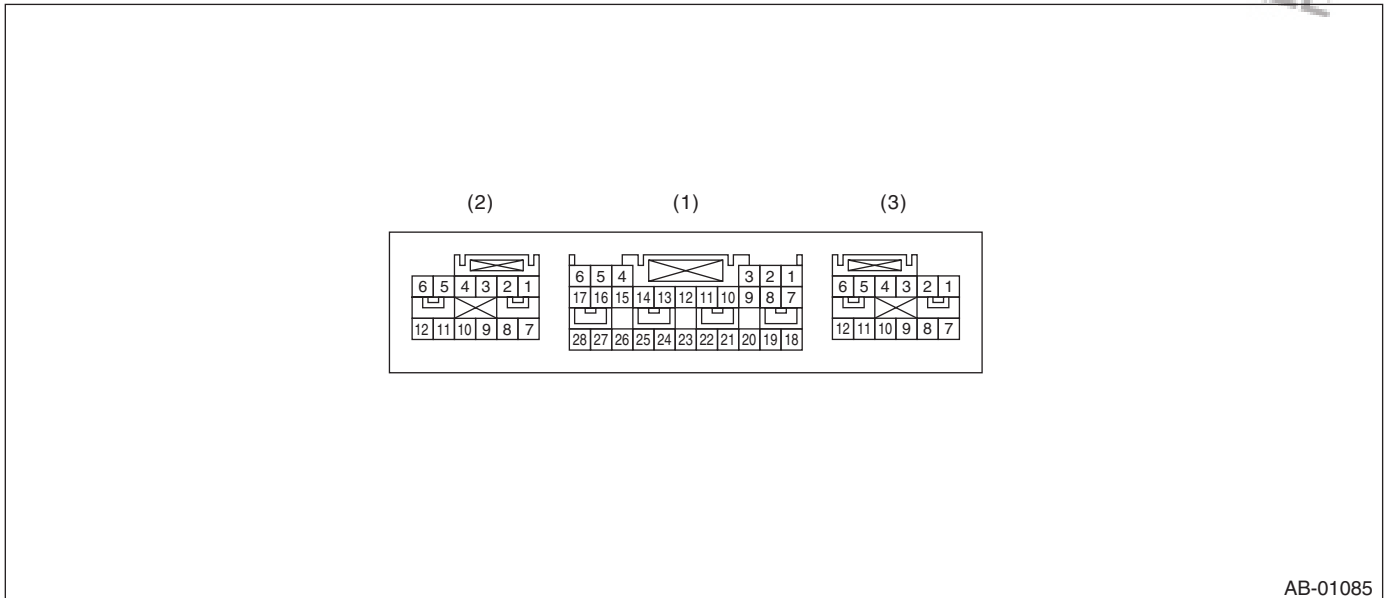
Connector No.	(AB1)	(AB2)	(AB3)	(AB4)	(AB7)	(AB8)	(AB9)	(AB10)	(AB11)	(AB12)	(AB13)	(AB14)
Pin	8	4	28	4	12	12	2	4	2	4	2	2
Color	White	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Male/Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Male

Connector No.	(AB15)	(AB18)	(AB19)	(AB20)	(AB26)	(AB27)	(AB28)	(AB29)	(AB37)	(AB38)	(AB51)	(AB52)
Pin	2	2	2	2	4	4	2	2	2	2	2	2
Color	Yellow	Yellow	Black	Black	Yellow	Yellow	Yellow	Yellow	Orange	Black	Yellow	Yellow
Male/Female	Female	Female	Female	Female	Male	Male	Male	Male	Female	Female	Female	Female

Connector No.	(AB62)	(AB63)	(AB65)	(AB66)	(AB67)	—	—	—	—	—	—	—
Pin	6	3	3	2	6	—	—	—	—	—	—	—
Color	Gray	Brown	Gray	Black	Gray	—	—	—	—	—	—	—
Male/Female	Female	Female	Female	Female	Male	—	—	—	—	—	—	—

5. Airbag Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



AB-01085

- Terminal numbers in airbag control module connector are shown in the figure.
- Airbag warning light illuminates when the connector is removed from airbag control module with the ignition switch set to ON.

Airbag Control Module I/O Signal

AIRBAG SYSTEM (DIAGNOSTICS)

Item	Control module terminal No.	
Data link connector	(1) - 12	
Combination meter	(1) - 3	
Battery power supply	Common use fuse	(1) - 6
	Dedicated fuse	(1) - 5
Passenger's airbag module level one	+	(1) - 10
	-	(1) - 11
Passenger's airbag module level two	+	(1) - 8
	-	(1) - 7
Driver's airbag module level one	+	(1) - 14
	-	(1) - 13
Driver's airbag module level two	+	(1) - 16
	-	(1) - 17
Front sub sensor LH	Power supply and communication	(1) - 15
	GND	(1) - 26
Front sub sensor RH	Power supply and communication	(1) - 9
	GND	(1) - 20
Ground line (GND)		(1) - 27
		(1) - 28
Passenger's airbag OFF indicator	(1) - 1	
Passenger's airbag ON indicator	(1) - 18	
Seat belt buckle switch LH	+	(2) - 11
	-	(2) - 8
Seat position sensor LH	+	(2) - 3
	-	(2) - 4
Seat belt pretensioner LH	+	(2) - 2
	-	(2) - 1
Side airbag sensor LH	Power supply and communication	(2) - 7
	GND	(2) - 9
	+	(2) - 10
	-	(2) - 12
Side airbag module LH	+	(2) - 6
	-	(2) - 5
Seat belt pretensioner RH	+	(3) - 5
	-	(3) - 6
Side airbag sensor RH	Power supply and communication	(3) - 12
	GND	(3) - 10
	+	(3) - 9
	-	(3) - 7
Side airbag module RH	+	(3) - 1
	-	(3) - 2
Occupant detection control module	+	(3) - 11
	-	(3) - 8

B: WIRING DIAGRAM

Refer to the WI section wiring diagram. <Ref. to WI-97, WIRING DIAGRAM, Airbag System.>

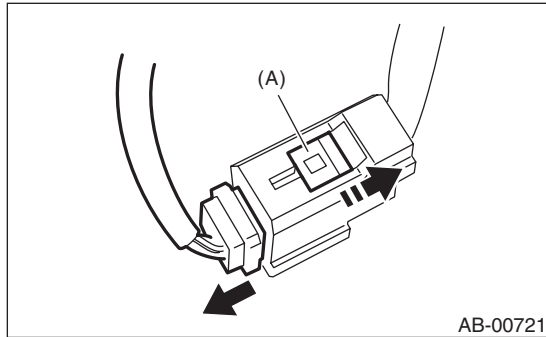
6. Airbag Connector

A: PROCEDURE

1. BUCKLE SWITCH & OCCUPANT DETECTION CONTROL MODULE

1) How to disconnect

- (1) Move the slide lock (A) in the direction of arrow.
- (2) While holding the slide lock (A) in the moved position, disconnect the connector.

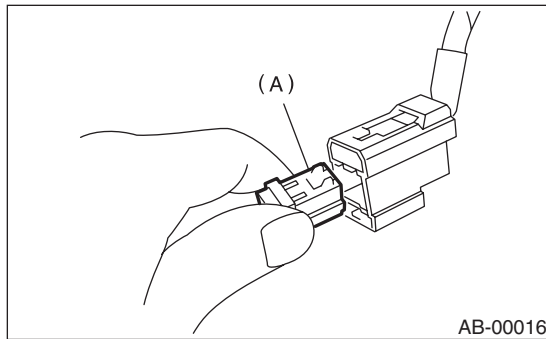


CAUTION:

When pulling the slide lock or disconnecting connector, be sure to hold the connector, not the harness.

2) How to connect

Holding the connector (A), and push it in carefully until a clicking sound is heard.



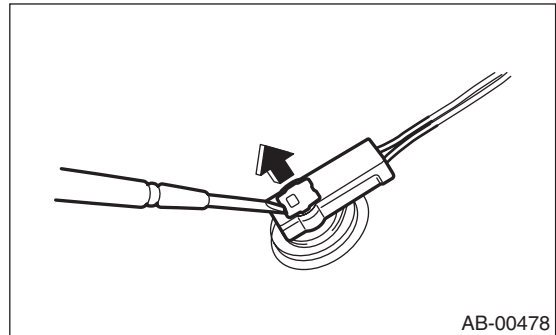
CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.

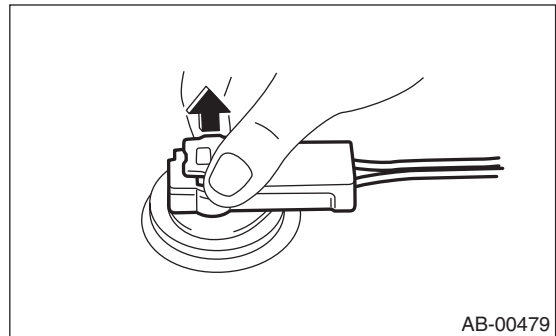
2. DRIVER'S AIRBAG MODULE AND PRETENSIONER

1) How to disconnect

- (1) Using a flat tip screwdriver, pry the push lock upward to unlock.



- (2) Pull the connector to disconnect from the driver's airbag module assembly or the retractor assembly.

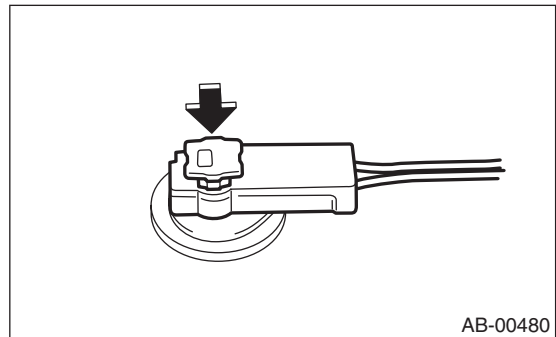


2) How to connect

Connect the connector in the reverse order of disconnecting. At this time, be sure to insert the push lock until a clicking sound is heard.

CAUTION:

- Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.
- Be sure to push the push lock in securely.



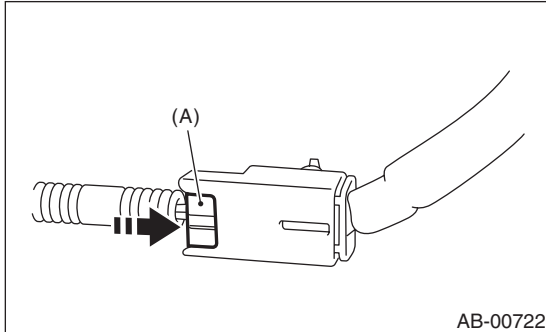
NOTE:

The connector cannot be connected when the push lock is in the lock position. Move the push lock to the release position and connect the connector.

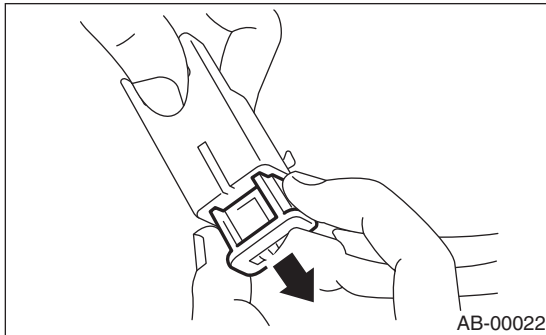
3. DRIVER'S AIRBAG (BETWEEN AIRBAG MAIN HARNESS AND ROLL CONNECTOR) AND PASSENGER'S AIRBAG

1) How to disconnect

- (1) Push the slide lock (A) in the direction of arrow.



- (2) With the slide lock pushed, disconnect the connector.



CAUTION:

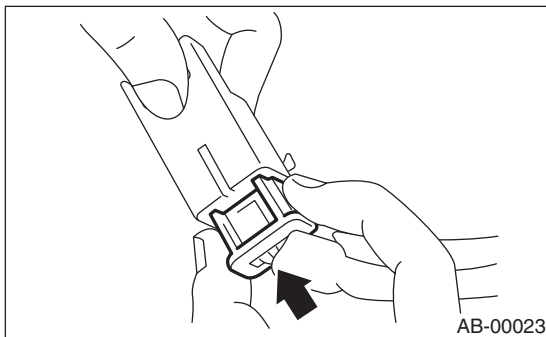
When pulling the slide lock or disconnecting connector, be sure to hold the connector, not the harness.

2) How to connect

Holding the connector, push it in securely until a clicking sound is heard.

CAUTION:

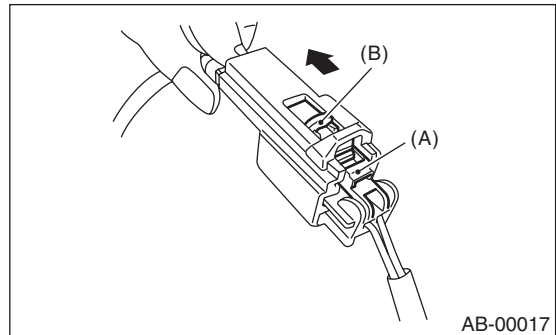
Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.



4. SIDE AIRBAG

1) How to disconnect

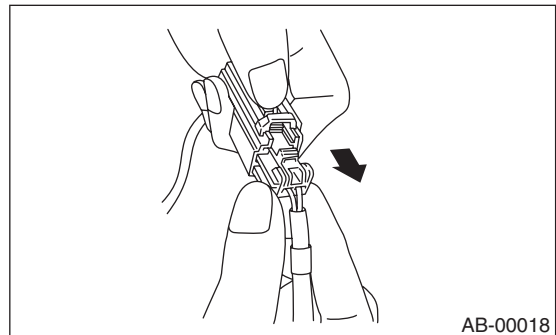
- (1) Push the lock arm (A).
- (2) With the lock arm (A) pushed in, move the slide lock (B) in the direction of arrow.



- (3) With the slide lock moved, release the lock arm (return to original position) and disconnect the connector.

CAUTION:

When pulling the slide lock or disconnecting connector, be sure to hold the connector, not the harness.



2) How to connect

Holding the connector, push it in securely until a clicking sound is heard.

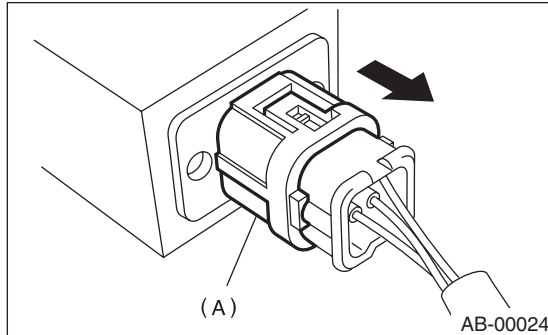
5. FRONT SUB SENSOR, SIDE AIRBAG SENSOR, SEAT POSITION SENSOR LH

1) How to disconnect

Holding outer part (A), pull it in the direction of arrow.

CAUTION:

When pulling the slide lock or disconnecting connector, be sure to hold the connector, not the harness.

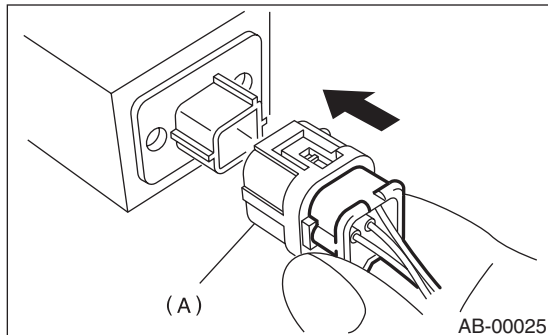


2) How to connect

Holding the connector, push it in securely until a clicking sound is heard.

CAUTION:

- Do not touch the outer side section or else the outer side (A) will move back.
- Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.



7. Subaru Select Monitor

A: OPERATION

1. READ DIAGNOSTIC TROUBLE CODE (DTC)

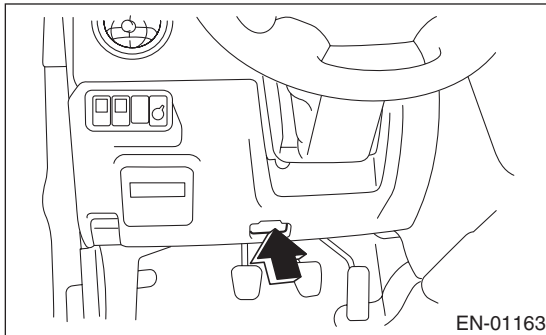
When malfunction of airbag system occurs, the DTC stored in airbag control module will be read out.

1) Prepare the Subaru Select Monitor kit. <Ref. to AB(diag)-8, SPECIAL TOOL, PREPARATION TOOL, General Description.>

2) Connect the diagnosis cable to the Subaru Select Monitor.

3) Connect the Subaru Select Monitor to the data link connector.

(1) Data link connector is located in the lower portion of instrument panel (on the driver's side).

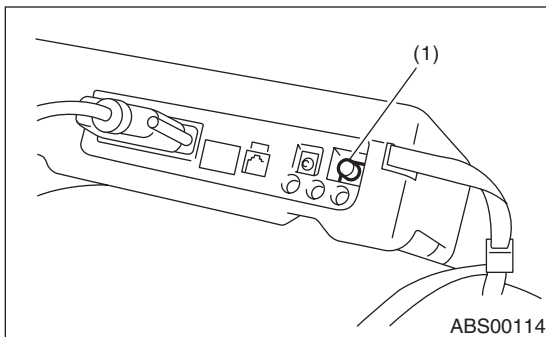


(2) Connect the diagnosis cable to the data link connector.

CAUTION:

Do not connect scan tools other than the Subaru Select Monitor.

4) Turn the ignition switch to ON (engine OFF) and run the Subaru Select Monitor.



(1) Power switch

5) On the «Main Menu» display screen, select {Each System Check}.

6) On the «System Selection Menu» display screen, select {Airbag System}.

7) Select [OK] after the {Airbag System} is displayed.

8) On the «Airbag System» screen, select the {DTC Display}.

NOTE:

- For details concerning the operation procedure, refer to the "SUBARU SELECT MONITOR OPERATION MANUAL".

- For details concerning DTCs, refer to List of Diagnostic Trouble Code (DTC). <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>

2. DISPLAY OF STATUS INFORMATION

Check the operating condition of each sensor in the event of malfunction in the seat belt buckle switch and seat position sensor, or when the seat belt buckle switch and seat position sensor has been replaced.

- 1) On the «Main Menu» display screen, select {Each System Check}.
- 2) On the «System Selection Menu» display screen, select {Airbag System}.
- 3) On the «Airbag System» menu screen, select the {Status Data}.

The following table is for support data.

Item	Display
Seat position sensor LH	Front position ^{*1} /Rear position ^{*2} /Other ^{*3} /Initial Setting ^{*3} /— ^{*5}
Seat position sensor RH	— ^{*5}
Seat belt buckle switch LH	Belted ^{*6} /Unbelted ^{*7} /Other ^{*8} /Initial Setting ^{*4} /— ^{*9}
Seat belt buckle switch RH	Belted ^{*6} /Unbelted ^{*7} /Other ^{*8} /Initial Setting ^{*4} /— ^{*9}
Passenger's airbag firing status	ON ^{*10} /OFF ^{*11} /Initial Setting ^{*4}

*1: The seat position is forward.

*2: The seat position is rearward.

*3: Displayed when data other than before and behind the seat, such as the breakdown etc, is input.

*4: Displayed when it is initial.

*5: Seat position sensor not supported

*6: Seat belt fastened

*7: Seat belt not fastened

*8: Displayed when data other than belt fastened or not fastened, such as breakdowns is input.

*9: Seat belt buckle switch not supported

*10: Passenger's airbag operating state

*11: Passenger's airbag non-operating state

NOTE:

For details concerning the operation procedure, refer to the "SUBARU SELECT MONITOR OPERATION MANUAL".

3. CLEAR MEMORY MODE

Clear the DTC stored in the airbag control module after repairing the airbag system. (After the breakdown is recovered, the breakdown code for completed recoveries are read out when the next breakdown occurs if the memory clear work is not performed.)

- 1) On the «Main Menu» display screen, select {Each System Check}.
- 2) On the «System Selection Menu» display screen, select {Airbag System}.
- 3) On the {Airbag System} display screen, select {Clear Memory}.
- 4) When the "Clear Memory?" is shown on the screen, select [OK].
- 5) When "Done" is displayed, turn off the Subaru Select Monitor.

NOTE:

For details concerning the operation procedure, refer to the "SUBARU SELECT MONITOR OPERATION MANUAL".

B: INSPECTION

1. COMMUNICATION FOR INITIALIZING IMPOSSIBLE

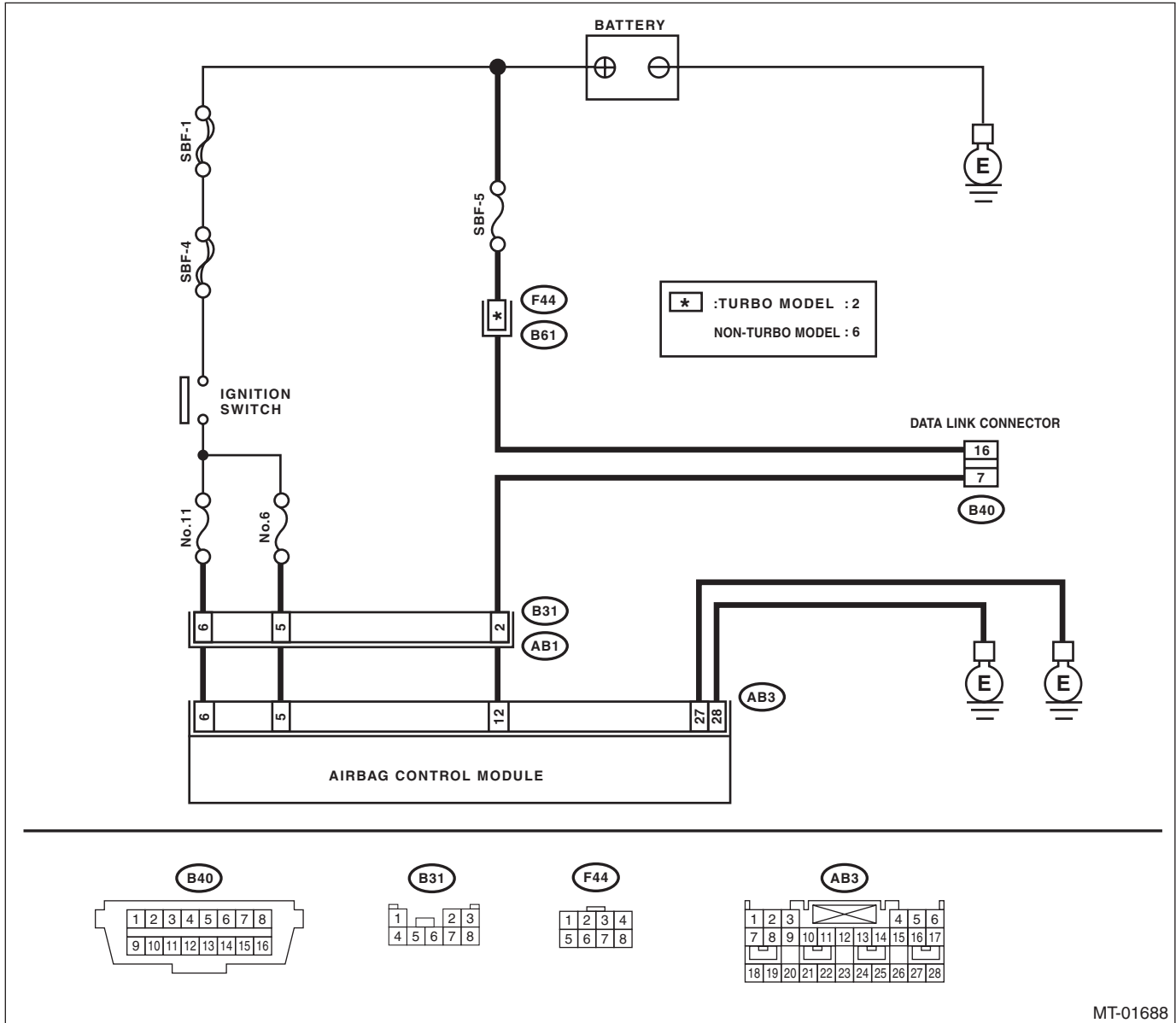
DETECTING CONDITION:

Defective harness connector

TROUBLE SYMPTOM:

Communication is impossible between the airbag control module and the Subaru Select Monitor.

WIRING DIAGRAM:



Subaru Select Monitor

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No	
1	CHECK IGNITION SWITCH.	Is the ignition switch ON?	Go to step 2.	Turn the ignition switch to ON, and select the airbag mode using the Subaru Select Monitor.
2	CHECK BATTERY. 1) Turn the ignition switch to OFF. 2) Measure the battery voltage.	Is the voltage 11 V or more?	Go to step 3.	Charge or replace the battery.
3	CHECK BATTERY TERMINAL.	Is there poor contact at the battery terminal?	Repair or tighten the battery terminal.	Go to step 4.
4	CHECK SUBARU SELECT MONITOR COMMUNICATION. 1) Turn the ignition switch to ON. 2) Using the Subaru Select Monitor, check whether communication to other systems can be performed normally.	Is the system name displayed on the Subaru Select Monitor?	Go to step 8.	Go to step 5.
5	CHECK SUBARU SELECT MONITOR COMMUNICATION. 1) Turn the ignition switch to OFF. 2) Disconnect the airbag control module connector. 3) Turn the ignition switch to ON. 4) Check whether communication to other systems can be executed normally.	Is the system name displayed on the Subaru Select Monitor?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6	CHECK HARNESS CONNECTOR BETWEEN EACH CONTROL MODULE AND DATA LINK CONNECTOR. 1) Turn the ignition switch to OFF. 2) Disconnect the airbag control module, ABSCM&H/U, ECM and TCM. 3) Measure the resistance between data link connector and chassis ground. Connector & terminal (B40) No. 7 — Chassis ground:	Is the resistance 1 M Ω or more?	Go to step 7.	Repair the harness and connector between each control module and data link connector. (Replace the harness without repairing the airbag harness.)
7	CHECK OUTPUT SIGNAL TO THE AIRBAG CONTROL MODULE. 1) Turn the ignition switch to ON in the condition of step 7. 2) Measure the voltage between data link connector and chassis ground. Connector & terminal (B40) No. 7 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 8.	Repair the harness and connector between each control module and data link connector. (Replace the harness without repairing the airbag harness.)
8	CHECK THE HARNESS BETWEEN THE AIRBAG CONTROL MODULE AND DATA LINK CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB3) from airbag control module. 3) Connect the connector (1R) in the test harness R to connector (AB3). 4) Measure resistance between connector (4R) in the test harness R and data link connector. Connector & terminal (4R) No. 18 — (B40) No. 7:	Is the resistance less than 10 Ω ?	Go to step 9.	Repair the harness between the airbag control module and the data link connector. Or replace the airbag main harness along with body harness.

Subaru Select Monitor

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
9 CHECK POWER SUPPLY CIRCUIT. 1) Turn the ignition switch to ON. 2) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal <i>(2R) No. 1 (+) — Chassis ground (-):</i> <i>(2R) No. 6 (+) — Chassis ground (-):</i>	Is the voltage 10 V or more?	Go to step 10.	Repair the harness between the airbag control module and the battery. Or replace the airbag main harness along with body harness.
10 CHECK BETWEEN THE AIRBAG CONTROL MODULE AND CHASSIS GROUND. 1) Turn the ignition switch to OFF. 2) Measure resistance between connector (2R) in the test harness R and chassis ground. Connector & terminal <i>(2R) No. 10 — Chassis ground:</i> <i>(2R) No. 11 — Chassis ground:</i>	Is the resistance less than 10 Ω ?	Go to step 11.	Repair the harness between the airbag control module and the chassis ground. Or replace the airbag main harness along with body harness.
11 CHECK POOR CONTACT OF CONNECTOR.	Is there poor contact in the control module power supply, ground circuit and data link connector?	Repair the connector. (For airbag system connectors, do not repair but replace the entire harness.)	Replace the airbag control module only. <Ref. to AB-17, REMOVAL, Airbag Control Module.>

2. WITHOUT DTC

DETECTING CONDITION:

- Defective combination meter
- Open circuit of harness

TROUBLE SYMPTOM:

- Airbag warning light remains on.
- “NO TROUBLE CODE” will be displayed on the Subaru Select Monitor.

For detailed operation procedures, refer to “Airbag Warning Light Failure”. <Ref. to AB(diag)-37, Airbag Warning Light Failure.>

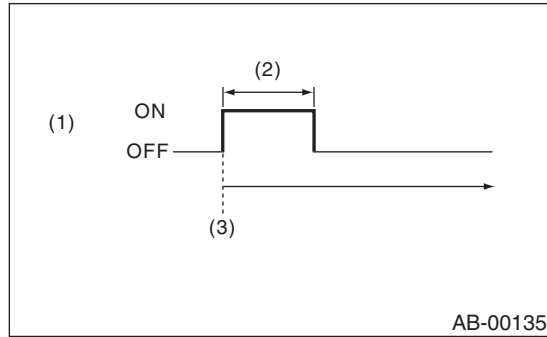
NOTE:

When the airbag warning light is OFF and “NO TROUBLE CODE” is displayed on Subaru Select Monitor, the system is operating properly.

8. Airbag Warning Light Illumination Pattern

A: INSPECTION

Turn the ignition switch to ON, and confirm that the airbag warning light remains on for approx. 6 seconds and then goes off afterwards.



- (1) Airbag warning light
- (2) Approx. 6 sec.
- (3) Ignition switch ON

Read Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

9. Read Diagnostic Trouble Code (DTC)

A: OPERATION

For details concerning DTC reading procedure, refer to "Subaru Select Monitor". <Ref. to AB(diag)-28, Subaru Select Monitor.>

10. Inspection Mode

A: PROCEDURE

Recreate the condition by referring to the fault conditions described in the check list.

11. Clear Memory Mode

A: OPERATION

Clear the memory in the following steps after the malfunction is repaired.

For details concerning DTC clear operation, refer to "Subaru Select Monitor". <Ref. to AB(diag)-28, Subaru Select Monitor.>

12. Airbag Warning Light Failure

A: AIRBAG WARNING LIGHT REMAINS ON

DIAGNOSIS:

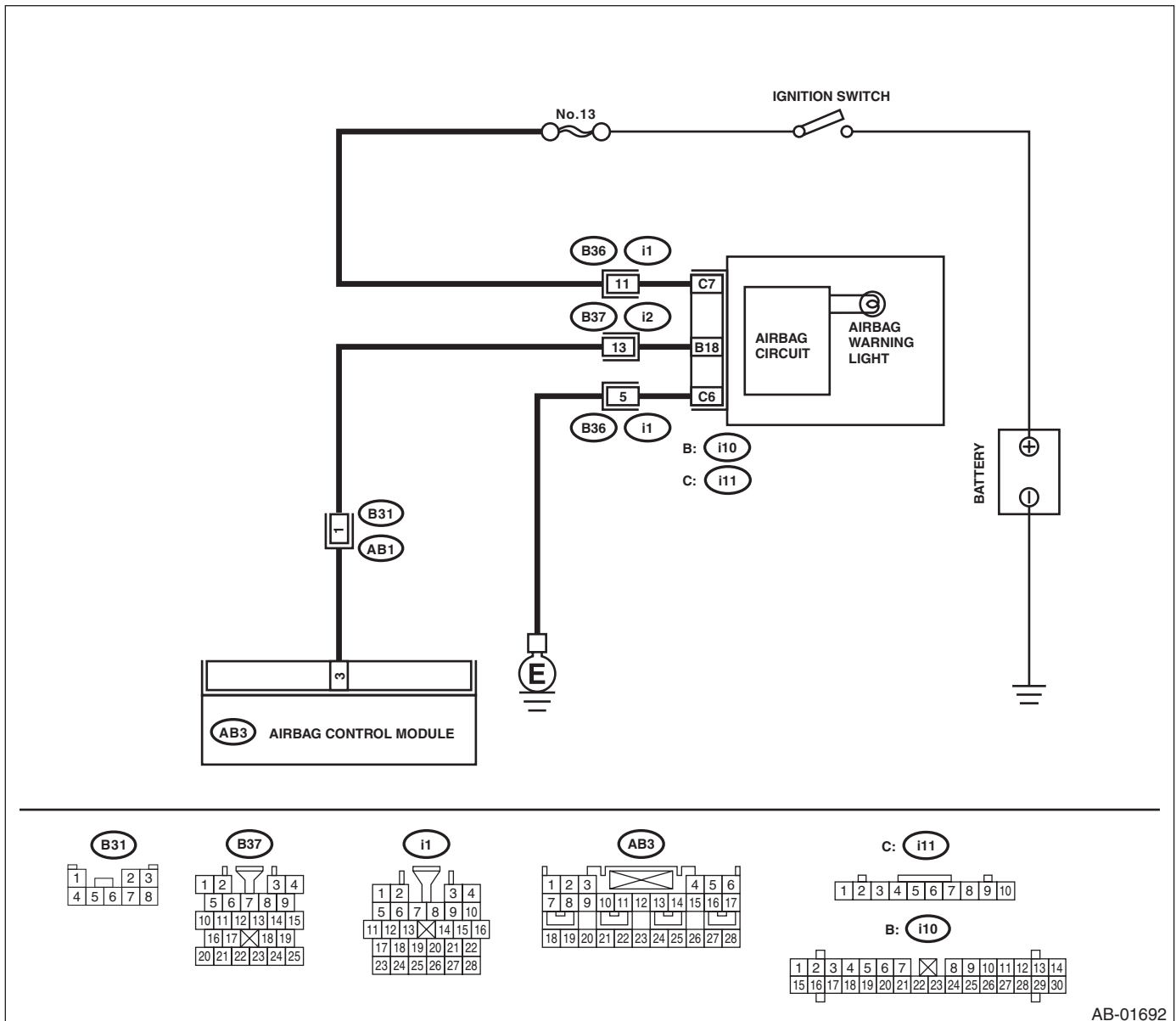
- Airbag warning light is faulty.
- Airbag control module to airbag warning light circuit is shorted or open.
- Grounding circuit is faulty.
- Airbag control module is faulty.
- Connection of (AB1) and (B31) is improper.
- Improper connection of (AB3) to airbag control module

CAUTION:

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

WIRING DIAGRAM:

- Auto A/C model

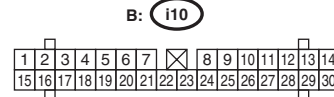
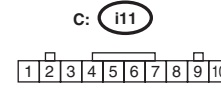
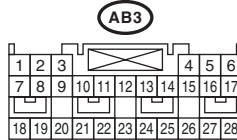
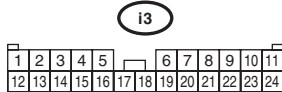
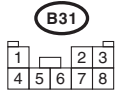
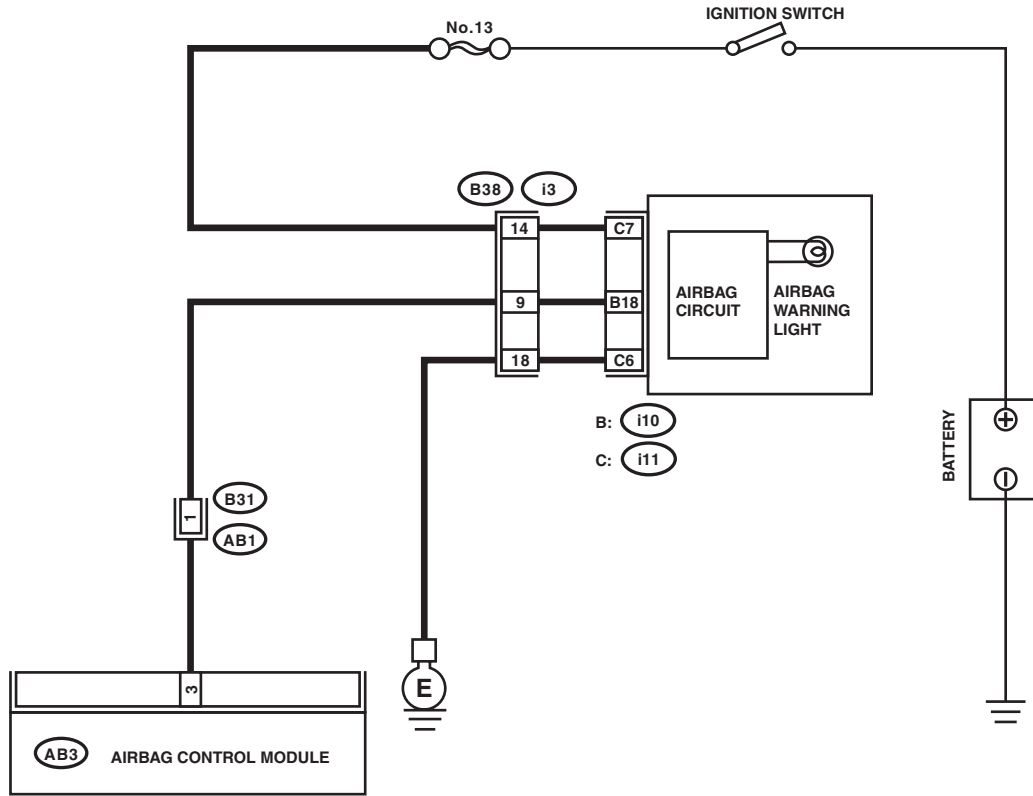


Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

- Manual A/C model

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AB-01693

Step	Check	Yes	No
1 READ DTC. Read the DTC. <Ref. to AB(diag)-28, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 2.
2 CHECK POOR CONTACT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Confirm that there is solid connection between the airbag control module and connector (AB3).	Is there poor contact in connector (AB3)?	If the poor contact of the connector is not fixed, replace the airbag main harness along with body harness or replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 3.

Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS. 1) Remove the instrument panel lower cover and disconnect the connectors (AB26) and (AB2). 2) Remove the console side cover lower on the passenger's side and disconnect the connectors (AB27) and (AB4). 3) Disconnect the connector (AB3) from airbag control module, and connect the connector (1R) in the test harness R. 4) Connect the battery ground terminal and turn the ignition switch to ON. 5) Connect two connectors, (5R) and (6R) in the test harness R. NOTE: After the problem has been eliminated, disconnect connectors (5R) and (6R).	Does the airbag warning light go off?	Go to step 4.	Go to step 5.
4 CHECK GROUND CIRCUIT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB3) from airbag control module. 3) Connect the connector (1R) in the test harness R to body harness connector (AB3). 4) Measure resistance between connector (2R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(2R) No. 10 — Chassis ground:</i> <i>(2R) No. 11 — Chassis ground:</i>	Is the resistance less than 10 Ω ?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Repair the chassis ground circuit.
5 CHECK AIRBAG MAIN HARNESS. 1) Disconnect the connectors (5R) and (6R). 2) Remove the combination meter. 3) Measure resistance between connector (i11) and connector (2R) in the test harness R. <i>Connector & terminal</i> <i>(2R) No. 7 — (i11) No. 8:</i>	Is the resistance less than 10 Ω ?	Check the combination meter.	Go to step 6.
6 CHECK POOR CONTACT OF CONNECTORS (AB1) AND (B31). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Confirm that there is a firm contact between connectors (AB1) and (B31).	Is there poor contact in connectors (AB1) and (B31)?	Repair the body harness or replace the airbag main harness along with body harness.	Go to step 7.
7 CHECK AIRBAG MAIN HARNESS. Check the airbag main harness for defect.	Is there any defect in the airbag main harness?	Replace the airbag main harness along with body harness.	Repair the body harness.

Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

B: AIRBAG WARNING LIGHT REMAINS OFF

DETECTING CONDITION:

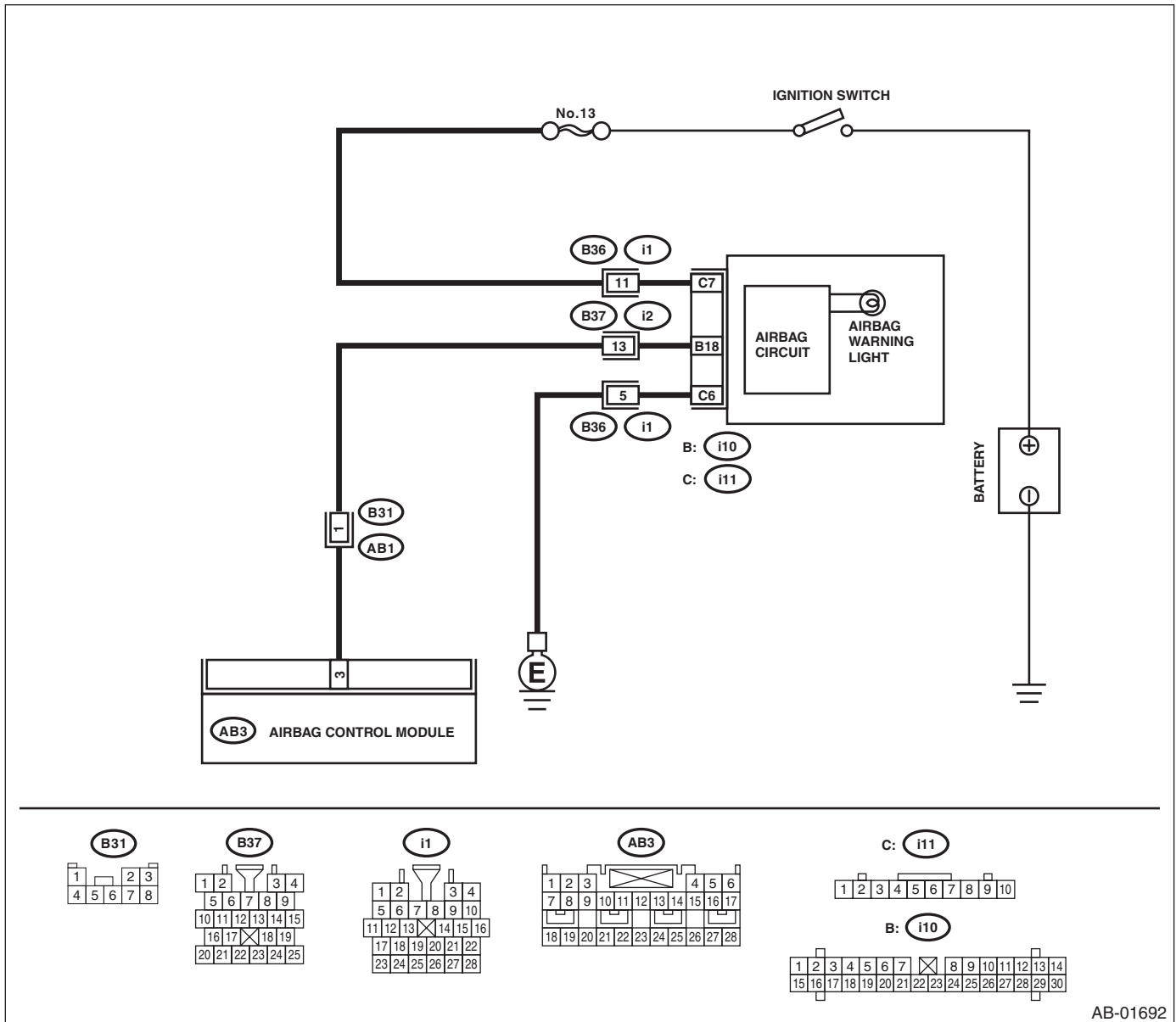
- Fuse No. 13 (in fuse box) is brown out.
- Body harness circuit is open.
- Airbag warning light is faulty.
- Airbag main harness is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

- Auto A/C model



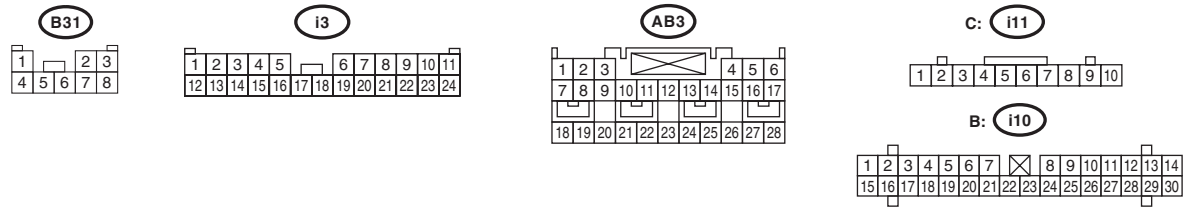
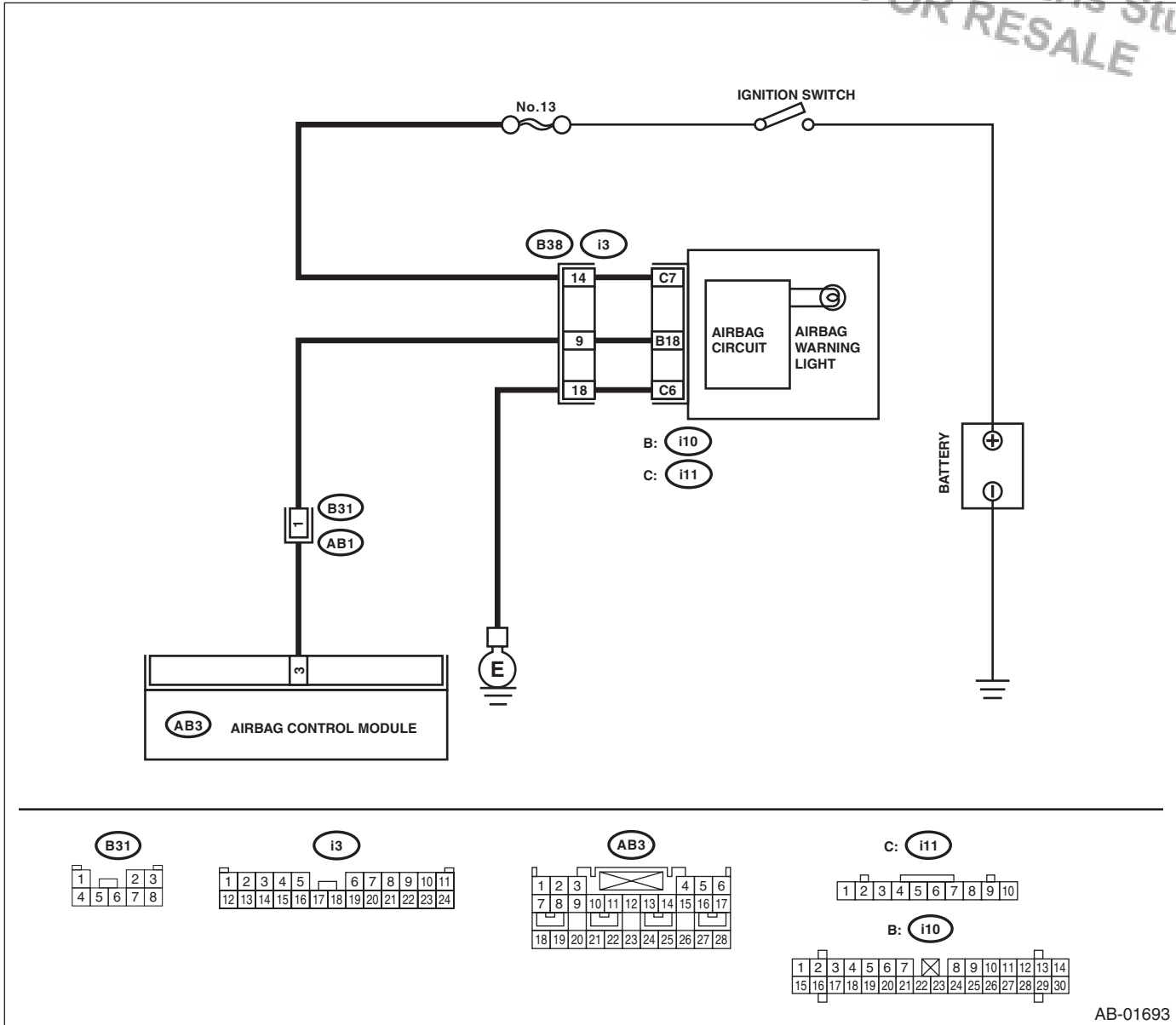
AB-01692

Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

- Manual A/C model

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AB-01693

Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK COMBINATION METER. Turn the ignition switch to ON, and confirm that warning light of combination meter illuminates.	Do warning lights except for airbag also illuminate?	Go to step 2.	Check the combination meter. <Ref. to IDI-3, Combination Meter System.>
2 CHECK DTC. Read the DTC. <Ref. to AB(diag)-28, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.>	Is DTC displayed?	Perform the diagnosis according to DTC.	Go to step 3.
3 CHECK FUSE NO. 13 (IN MAIN FUSE BOX). Remove the fuse No. 13 and perform visual inspection.	Is the fuse No. 13 (in main fuse box) blown out?	Replace the fuse No. 13. If the fuse No. 13 is blown out again, step Go to step 4.	Go to step 4.
4 CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB1) from (B31). 3) Connect the battery ground terminal and turn the ignition switch to ON.	Does airbag warning light illuminate?	Go to step 5.	Check the combination meter. <Ref. to IDI-11, Combination Meter.>
5 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Connect the connector (AB1) to (B31). 3) Disconnect the connector (AB3) from airbag control module. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does airbag warning light illuminate?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Replace the airbag main harness along with body harness.

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

13. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Display	Diagnosis content	Reference
11	Driver's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness circuit is open, shorted or ground shorted. • Airbag module harness (Driver's side) circuit is open, shorted or shorted to ground. • Roll connector circuit is open, shorted or ground shorted. • Airbag control module is faulty. • Driver's airbag module is faulty. 	<Ref. to AB(diag)-47, DTC 11 DRIVER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
12	Passenger's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness circuit is open, shorted or shorted to ground. • Airbag module harness (Passenger's side) circuit is open, shorted or shorted to ground. • Airbag control module is faulty. • Passenger's airbag module is faulty. 	<Ref. to AB(diag)-50, DTC 12 PASSENGER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
15	Driver's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness circuit (Driver's side) is shorted to power supply. • Airbag module harness circuit (Driver's side) is shorted to power supply. • Roll connector is shorted to power supply. • Airbag control module is faulty. • Driver's airbag module is faulty. 	<Ref. to AB(diag)-53, DTC 15 DRIVER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
16	Passenger's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness circuit (Passenger's side) is shorted to power supply. • Airbag module harness circuit (Passenger's side) is shorted to power supply. • Airbag control module is faulty. • Passenger's airbag module is faulty. 	<Ref. to AB(diag)-56, DTC 16 PASSENGER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
21	Airbag ECM failure	Airbag control module is faulty.	<Ref. to AB(diag)-58, DTC 21 AIRBAG ECM FAILURE, Diagnostic Chart with Trouble Code.>
22	Front Airbag Firing output	Front airbag module and seat belt pretensioner (LH/RH) are inflated.	<Ref. to AB(diag)-59, DTC 22 FRONT AIRBAG FIRING OUTPUT, Diagnostic Chart with Trouble Code.>
23	Connector to Airbag ECM failure	Connection of (AB3), (AB7) and (AB8) to airbag control module is improper.	<Ref. to AB(diag)-60, DTC 23 CONNECTOR TO AIRBAG ECM, Diagnostic Chart with Trouble Code.>
24	IG1 open	<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 AB(diag)-61, DTC 24 IG1 OPEN, Diagnostic Chart with Trouble Code.>
25	IG2 open	<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 AB(diag)-63, DTC 25 IG2 OPEN, Diagnostic Chart with Trouble Code.>
26	Passenger's Airbag indicator failure	<ul style="list-style-type: none"> • Passenger's airbag indicator is faulty. • Airbag control module is faulty. • Airbag main harness circuit is open, shorted or shorted to ground. • Body harness circuit is open. 	<Ref. to AB(diag)-65, DTC 26 PASSENGER'S AIRBAG INDICATOR FAILURE, Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Display	Diagnosis content	Reference
27	ODS Communication error	<ul style="list-style-type: none"> Occupant detection control module communication is faulty. Airbag rear harness circuit is open, shorted, shorted to ground or shorted to power supply. Occupant detection harness is faulty. Occupant detection system is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-68, DTC 27 ODS COMMUNICATION ERROR, Diagnostic Chart with Trouble Code.>
29	ODS Failure	<ul style="list-style-type: none"> Occupant detection sensor is faulty. Occupant detection control module is faulty. Occupant detection harness is faulty. Fuse No. 6 (in joint box) is blown. 	Refer to "Occupant Detection System" for details on DTC 29. <Ref. to OD(diag)-30, DTC 29 ODS FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
2A	ODS Calibration error	System calibration (Rezeroing) of the occupant detection system was not ended normally.	Refer to "Occupant Detection System" for details on DTC 2A. <Ref. to OD(diag)-26, DTC 2A ODS CALIBRATION ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
2B	ODS Erroneous Parts	<ul style="list-style-type: none"> Wrong airbag control module was installed. Wrong occupant detection system was installed. Occupant detection system is faulty. 	Refer to "Occupant Detection System" for DTC 2B. <Ref. to OD(diag)-27, DTC 2B ODS SYSTEM WRONG PARTS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
2C	Belt Tension Sensor failure	<ul style="list-style-type: none"> Passenger's seat belt tension sensor is faulty. Occupant detection system is faulty. Side airbag harness circuit is open, shorted, shorted to ground or shorted to power supply. Occupant detection harness is faulty. 	Refer to "Occupant Detection System" for details on DTC 2C. <Ref. to OD(diag)-28, DTC 2C BELT TENSION SENSOR FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
31	Front Sub Sensor RH failure	<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 AB(diag)-70, DTC 31 FRONT SUB SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
32	Front Sub Sensor LH failure	<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 AB(diag)-72, DTC 32 FRONT SUB SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
33	Front Sub Sensor RH failure	Front sub sensor (RH) is faulty.	<Ref. to AB(diag)-74, DTC 33 FRONT SUB SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
34	Front Sub Sensor LH failure	Front sub sensor (LH) is faulty.	<Ref. to AB(diag)-74, DTC 34 FRONT SUB SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
36	Seat Position Sensor LH failure	<ul style="list-style-type: none"> Driver's seat position sensor is faulty. Airbag control module is faulty. Side airbag harness circuit is open, shorted or shorted to ground. 	<Ref. to AB(diag)-75, DTC 36 SEAT POSITION SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
37	Buckle Switch RH failure	<ul style="list-style-type: none"> Passenger's buckle switch circuit is open, shorted or shorted to ground. Side airbag harness circuit is open, shorted or shorted to ground. Airbag control module is faulty. Occupant detection control module is faulty. 	Refer to "Occupant Detection System" for DTC 37. <Ref. to OD(diag)-31, DTC 37 BUCKLE SWITCH RH FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>
38	Buckle Switch LH failure	<ul style="list-style-type: none"> Driver's buckle switch circuit is open, shorted or shorted to ground. Side airbag harness circuit is open, shorted or shorted to ground. Airbag control module is faulty. 	<Ref. to AB(diag)-77, DTC 38 BUCKLE SWITCH LH FAILURE, Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Display	Diagnosis content	Reference
41	Side Airbag RH failure	<ul style="list-style-type: none"> Side airbag harness (RH) circuit is faulty. Side airbag module (RH) is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-79, DTC 41 SIDE AIRBAG RH FAILURE, Diagnostic Chart with Trouble Code.>
42	Side Airbag LH failure	<ul style="list-style-type: none"> Side airbag harness (LH) circuit is faulty. Side airbag module (LH) is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-81, DTC 42 SIDE AIRBAG LH FAILURE, Diagnostic Chart with Trouble Code.>
45	Side Airbag RH failure	<ul style="list-style-type: none"> Side airbag harness (RH) is shorted to power supply. Airbag control module is faulty. 	<Ref. to AB(diag)-83, DTC 45 SIDE AIRBAG RH FAILURE, Diagnostic Chart with Trouble Code.>
46	Side Airbag LH failure	<ul style="list-style-type: none"> Side airbag harness (LH) is shorted to power supply. Airbag control module is faulty. 	<Ref. to AB(diag)-85, DTC 46 SIDE AIRBAG LH FAILURE, Diagnostic Chart with Trouble Code.>
51	Side Airbag Sensor RH failure	<ul style="list-style-type: none"> Side airbag sensor (RH) is faulty. Side airbag harness (RH) circuit is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-87, DTC 51 SIDE AIRBAG SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
52	Side Airbag Sensor LH failure	<ul style="list-style-type: none"> Side airbag sensor (LH) is faulty. Side airbag harness (LH) circuit is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-89, DTC 52 SIDE AIRBAG SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
53	Side Airbag Sensor RH failure	Side airbag sensor (RH) is faulty.	<Ref. to AB(diag)-91, DTC 53 SIDE AIRBAG SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
54	Side Airbag Sensor LH failure	Side airbag sensor (LH) is faulty.	<Ref. to AB(diag)-91, DTC 54 SIDE AIRBAG SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
55	Side Curtain Airbag Firing output	Side airbag module is deployed.	<Ref. to AB(diag)-91, DTC 55 SIDE CURTAIN AIRBAG FIRING OUTPUT, Diagnostic Chart with Trouble Code.>
61	Belt Pretensioner RH failure	<ul style="list-style-type: none"> Seat belt pretensioner (RH) circuit is open, shorted or shorted to ground. Airbag control module is faulty. Pretensioner is faulty. Airbag harness is faulty. 	<Ref. to AB(diag)-92, DTC 61 BELT PRETENSIONER RH FAILURE, Diagnostic Chart with Trouble Code.>
62	Belt Pretensioner LH failure	<ul style="list-style-type: none"> Seat belt pretensioner (LH) circuit is open, shorted or shorted to ground. Airbag control module is faulty. Pretensioner is faulty. Airbag harness is faulty. 	<Ref. to AB(diag)-94, DTC 62 BELT PRETENSIONER LH FAILURE, Diagnostic Chart with Trouble Code.>
65	Belt Pretensioner RH failure	<ul style="list-style-type: none"> Seat belt pretensioner (RH) circuit is shorted to power supply. Pretensioner is faulty. Airbag harness is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-96, DTC 65 BELT PRETENSIONER RH FAILURE, Diagnostic Chart with Trouble Code.>
66	Belt Pretensioner LH failure	<ul style="list-style-type: none"> Seat belt pretensioner (LH) circuit is shorted to power supply. Pretensioner is faulty. Airbag harness is faulty. Airbag control module is faulty. 	<Ref. to AB(diag)-98, DTC 66 BELT PRETENSIONER LH FAILURE, Diagnostic Chart with Trouble Code.>
71	Driver's Airbag failure	<ul style="list-style-type: none"> Airbag main harness circuit is open, shorted or shorted to ground. Airbag module harness (Driver's side) circuit is open, shorted or shorted to ground. Roll connector circuit is open, shorted or shorted to ground. Airbag control module is faulty. Driver's airbag module is faulty. 	<Ref. to AB(diag)-100, DTC 71 DRIVER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Display	Diagnosis content	Reference
72	Passenger's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness is open, shorted or shorted to ground. • Airbag module harness (Passenger's side) is open, shorted or shorted to ground. • Airbag control module is faulty. • Passenger's airbag module is faulty. 	<Ref. to AB(diag)-103, DTC 72 PASSENGER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
75	Driver's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness circuit (Driver's side) is shorted to power supply. • Airbag module harness circuit (Driver's side) is shorted to power supply. • Roll connector is shorted to power supply. • Airbag control module is faulty. • Driver's airbag module is faulty. 	<Ref. to AB(diag)-105, DTC 75 DRIVER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>
76	Passenger's Airbag failure	<ul style="list-style-type: none"> • Airbag main harness (Passenger's side) is shorted to power supply. • Airbag module harness (Passenger's side) is shorted to power supply. • Airbag control module is faulty. • Passenger's airbag module is faulty. 	<Ref. to AB(diag)-108, DTC 76 PASSENGER'S AIRBAG FAILURE, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

14. Diagnostic Chart with Trouble Code

A: DTC 11 DRIVER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

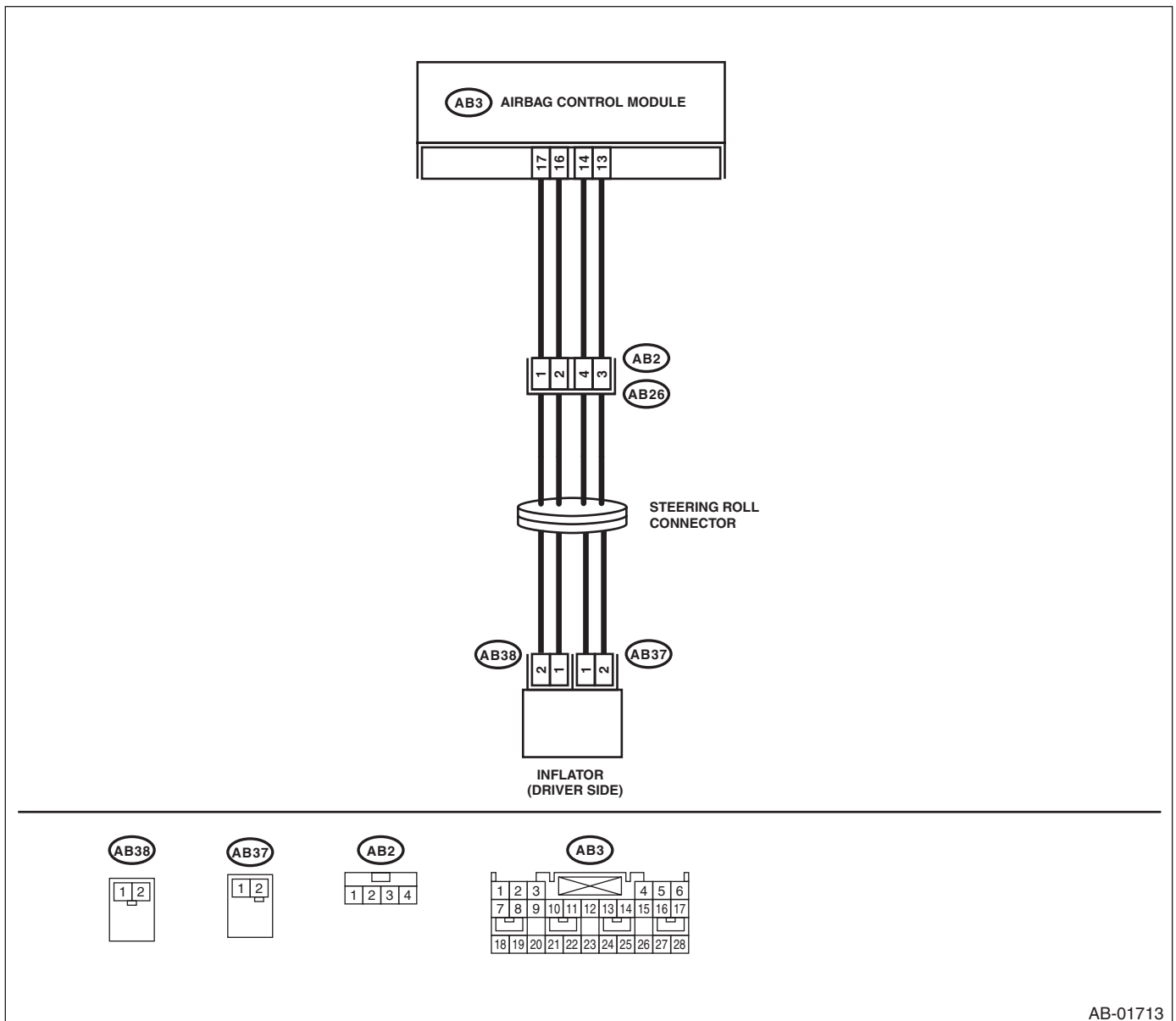
CAUTION:

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

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01713

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness.	Go to step 2.
2 CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the driver's airbag module. <Ref. to AB-13, Driver's Airbag Module.>	Go to step 3.
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the test harness N from connector (AB38). 3) Disconnect the test harness Q from connector (AB37). 4) Remove the instrument panel lower cover and disconnect the connector (AB26) from (AB2). 5) Connect the connector (1P) in the test harness P to connector (AB2). 6) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the roll connector. <Ref. to AB-19, Roll Connector.>	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel side cover on the passenger's side and disconnect connectors (AB4) and (AB27) from passenger's airbag module. 4) Disconnect the connector (AB3) from airbag control module, and connect the connector (1R) in the test harness R. 5) Measure the resistance between connector (2R) in the test harness R and connectors (2P) and (3P) in the test harness P. Connector & terminal (2R) No. 2 — (2P) No. 1: (2R) No. 4 — (2P) No. 2: (2R) No. 8 — (3P) No. 3: (2R) No. 12 — (3P) No. 4:	Is the resistance less than 10 Ω ?	Go to step 5.	Replace the airbag main harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). Measure resistance between connector (2R) terminals in the test harness R. <i>Connector & terminal</i> <i>(2R) No. 2 — (2R) No. 4:</i> <i>(2R) No. 4 — Chassis ground:</i> <i>(2R) No. 2 — Chassis ground:</i> <i>(2R) No. 12 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the airbag main harness along with body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

B: DTC 12 PASSENGER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

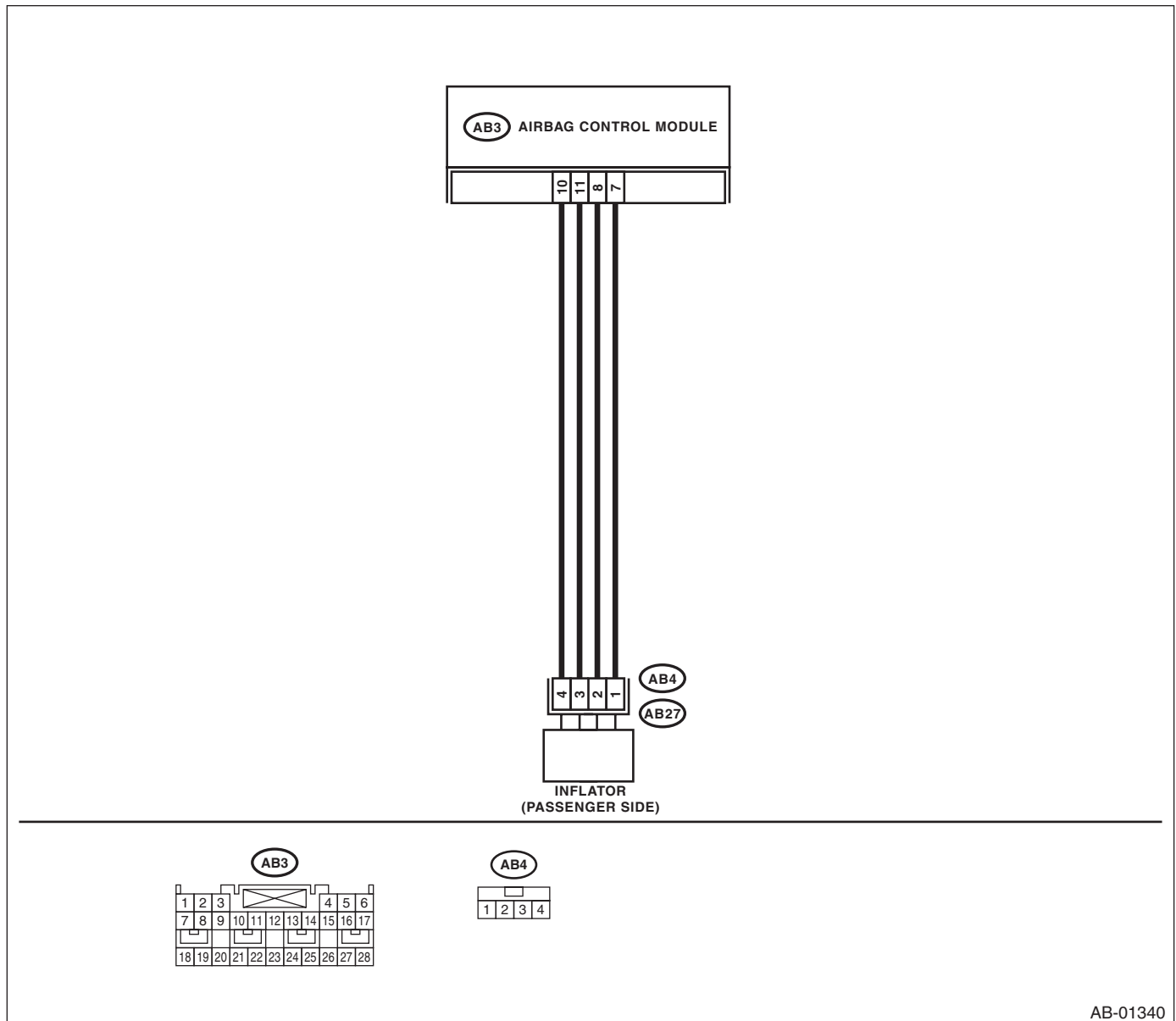
CAUTION:

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

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01340

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the passenger's airbag module.	Is there poor contact?	Replace the airbag main harness.	Go to step 2.
2 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the instrument panel side cover on passenger's side. 3) Disconnect the connector (AB27) from (AB4). 4) Connect the connector (1P) in the test harness P to connector (AB4). 5) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 6) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the passenger's airbag module. <Ref. to AB-14, Passenger's Airbag Module.>	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel lower cover and disconnect the connector (AB26) from (AB2). 4) Disconnect the connector (AB3) from airbag control module, and connect the connector (1R) in the test harness R. 5) Measure the resistance between connector (2R) in the test harness R and connectors (2P) and (3P) in the test harness P. Connector & terminal <i>(2R) No. 3 — (2P) No. 1:</i> <i>(2R) No. 5 — (2P) No. 2:</i> <i>(2R) No. 9 — (3P) No. 3:</i> <i>(2R) No. 13 — (3P) No. 4:</i>	Is the resistance less than 10 Ω?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). Measure the resistance between connector (2R) terminals in the test harness R, and between connector (2R) and chassis ground. Connector & terminal <i>(2R) No. 3 — (2R) No. 5:</i> <i>(2R) No. 3 — Chassis ground:</i> <i>(2R) No. 5 — Chassis ground:</i> <i>(2R) No. 9 — (2R) No. 13:</i> <i>(2R) No. 9 — Chassis ground:</i> <i>(2R) No. 13 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
6	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

C: DTC 15 DRIVER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

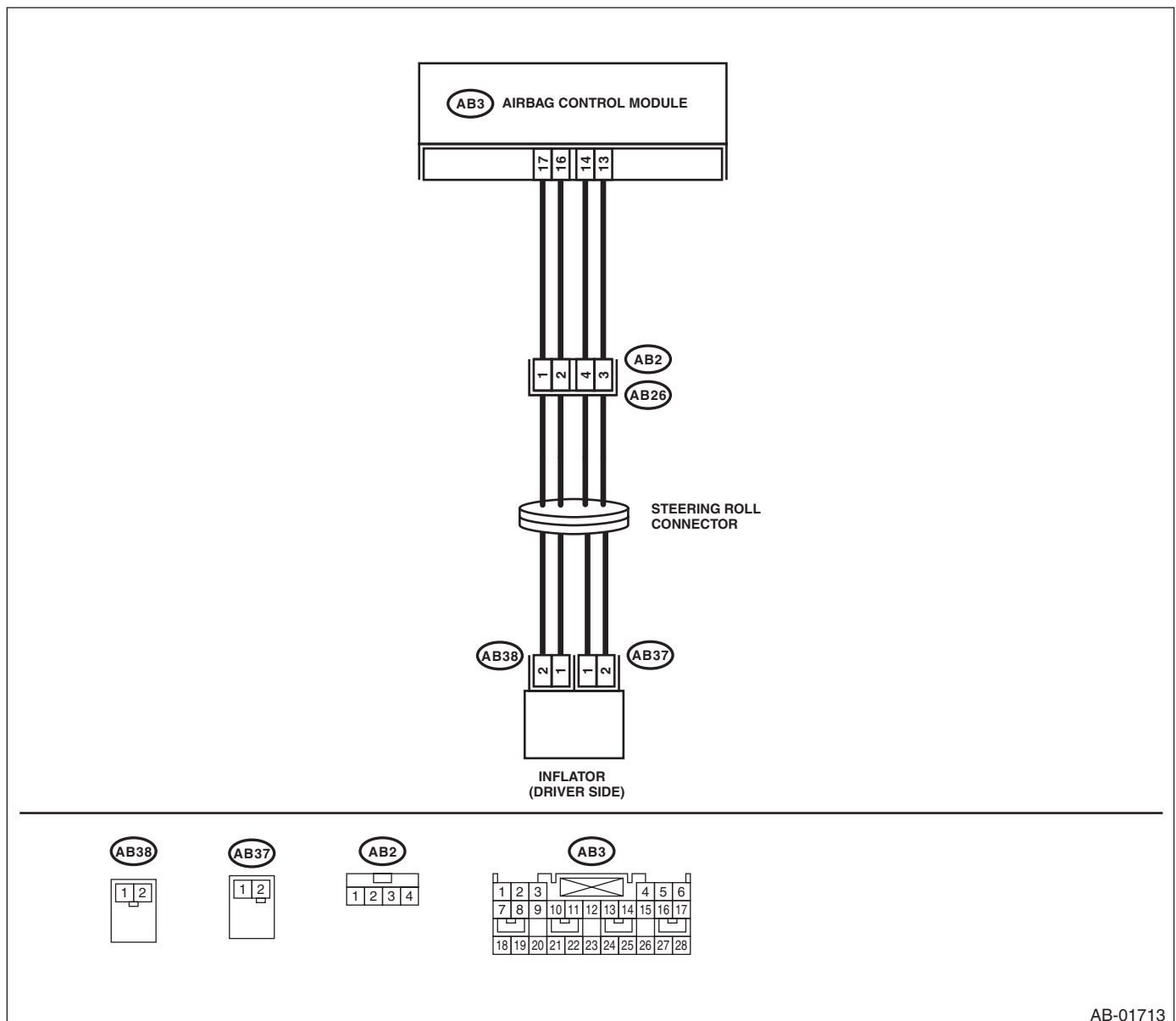
CAUTION:

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

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01713

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness.	Go to step 2.
2 CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (AB38) to the connector (1N) in the test harness N. 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the driver's airbag module. <Ref. to AB-13, Driver's Airbag Module.>	Go to step 3.
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the test harness N from connector (AB38). 3) Disconnect the test harness Q from connector (AB37). 4) Remove the instrument panel lower cover and disconnect the connector (AB2) from (AB26). 5) Connect the connector (1P) in the test harness P to connector (AB2). 6) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the roll connector. <Ref. to AB-19, Roll Connector.>	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel side cover on the passenger's side and disconnect the connectors (AB27) and (AB4). 4) Disconnect the connector (AB3) from airbag control module, and connect the connector (1R) in the test harness R. 5) Connect the battery ground terminal and turn the ignition switch to ON. (engine OFF) 6) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal (2R) No. 4 (+) — Chassis ground (-): (2R) No. 2 (+) — Chassis ground (-): (2R) No. 8 (+) — Chassis ground (-): (2R) No. 12 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 5.	Replace the airbag main harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

D: DTC 16 PASSENGER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

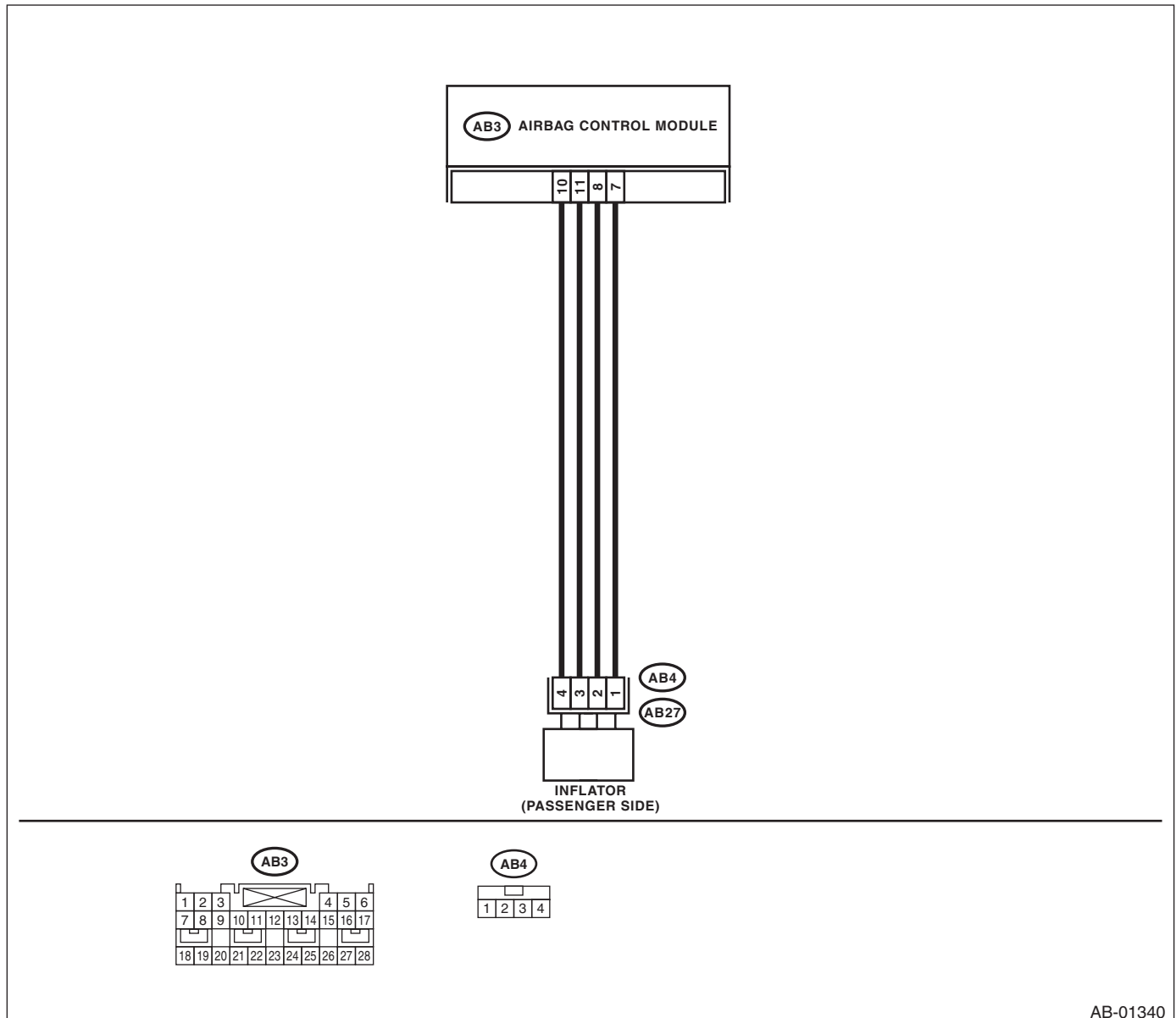
CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the passenger's airbag module.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2	CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the instrument panel side cover on passenger's side. 3) Disconnect the connector (AB27) from (AB4). 4) Connect the connector (1P) in the test harness P to connector (AB4). 5) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 6) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the passenger's airbag module. <Ref. to AB-14, Passenger's Airbag Module.>	Go to step 3.
3	CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel lower cover and disconnect the connector (AB26) from (AB2). 4) Disconnect the connector (AB3) from airbag control module, and connect the connector (1R) in the test harness R. 5) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal (2R) No. 3 (+) — Chassis ground (-): (2R) No. 5 (+) — Chassis ground (-): (2R) No. 9 (+) — Chassis ground (-): (2R) No. 13 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag main harness along with body harness.
4	CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

E: DTC 21 AIRBAG ECM FAILURE

DTC DETECTING CONDITION:

Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.

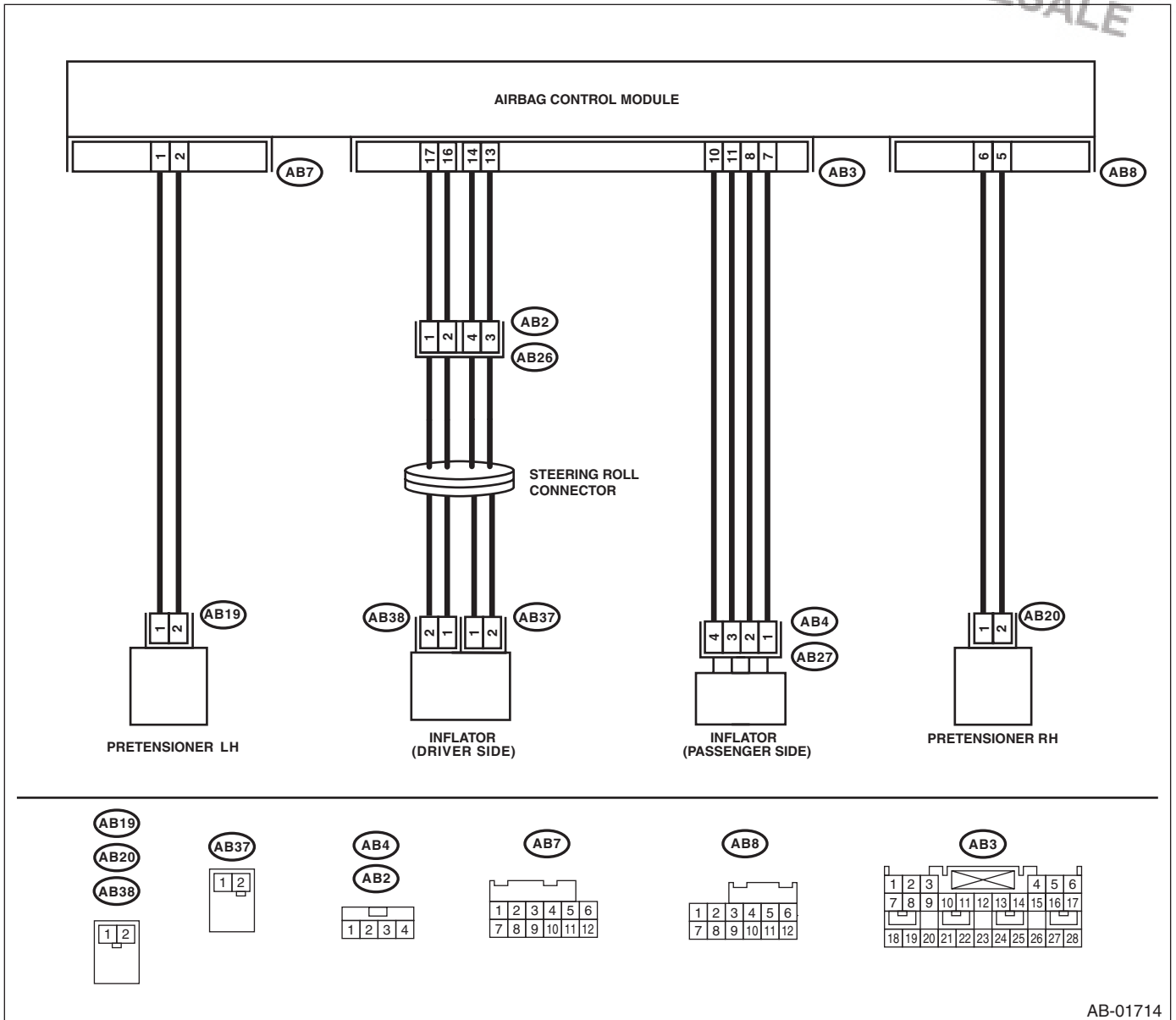
	Step	Check	Yes	No
1	CHECK IF DTC 21 IS INDICATED. 1) Read the DTC. <Ref. to AB(diag)-28, READ DIAGNOSTIC TROUBLE CODE (DTC), OPERATION, Subaru Select Monitor.> 2) Perform the Clear Memory Mode. <Ref. to AB(diag)-36, Clear Memory Mode.> 3) Read the DTC again.	Does the Subaru Select Monitor display DTC21?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Temporary poor contact occurs.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

F: DTC 22 FRONT AIRBAG FIRING OUTPUT

WIRING DIAGRAM:



AB-01714

This code is indicated when the front airbag and pretensioner activates.

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

- Airbag control module <Ref. to AB-17, Airbag Control Module.>
- Driver's airbag module <Ref. to AB-13, Driver's Airbag Module.>
- Passenger's airbag module <Ref. to AB-14, Passenger's Airbag Module.>
- Front sub sensor of both sides <Ref. to AB-20, Front Sub Sensor.>
- Front outer seat belt with pretensioner of both sides <Ref. to SB-10, Front Seat Belt.>
- Steering roll connector <Ref. to AB-19, REMOVAL, Roll Connector.>
- Occupant detection system (passenger's seat cushion & frame assembly) <Ref. to SE-11, BUCKET TYPE SEAT, DISASSEMBLY, Front Seat.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

G: DTC 23 CONNECTOR TO AIRBAG ECM

DTC DETECTING CONDITION:

Connection of (AB3), (AB7) and (AB8) to airbag control module is improper.

CAUTION:

Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.

Step	Check	Yes	No
1 CHECK POOR CONTACTS OF CONNECTORS (AB3), (AB7) AND (AB8). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connectors (AB3), (AB7) and (AB8) from the airbag control module.	Is there rust or damage on the harness connector and the control module connector?	Go to step 2.	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.> Replace the body harness along with the airbag main harness. Replace the body harness along with the side airbag harness.
2 CHECK POOR CONTACTS OF CONNECTORS (AB3), (AB7) AND (AB8). 1) Reconnect the connector securely. 2) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for approx. 6 seconds and then go off?	Go to step 3.	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>
3 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 4.
4 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

H: DTC 24 IG1 OPEN

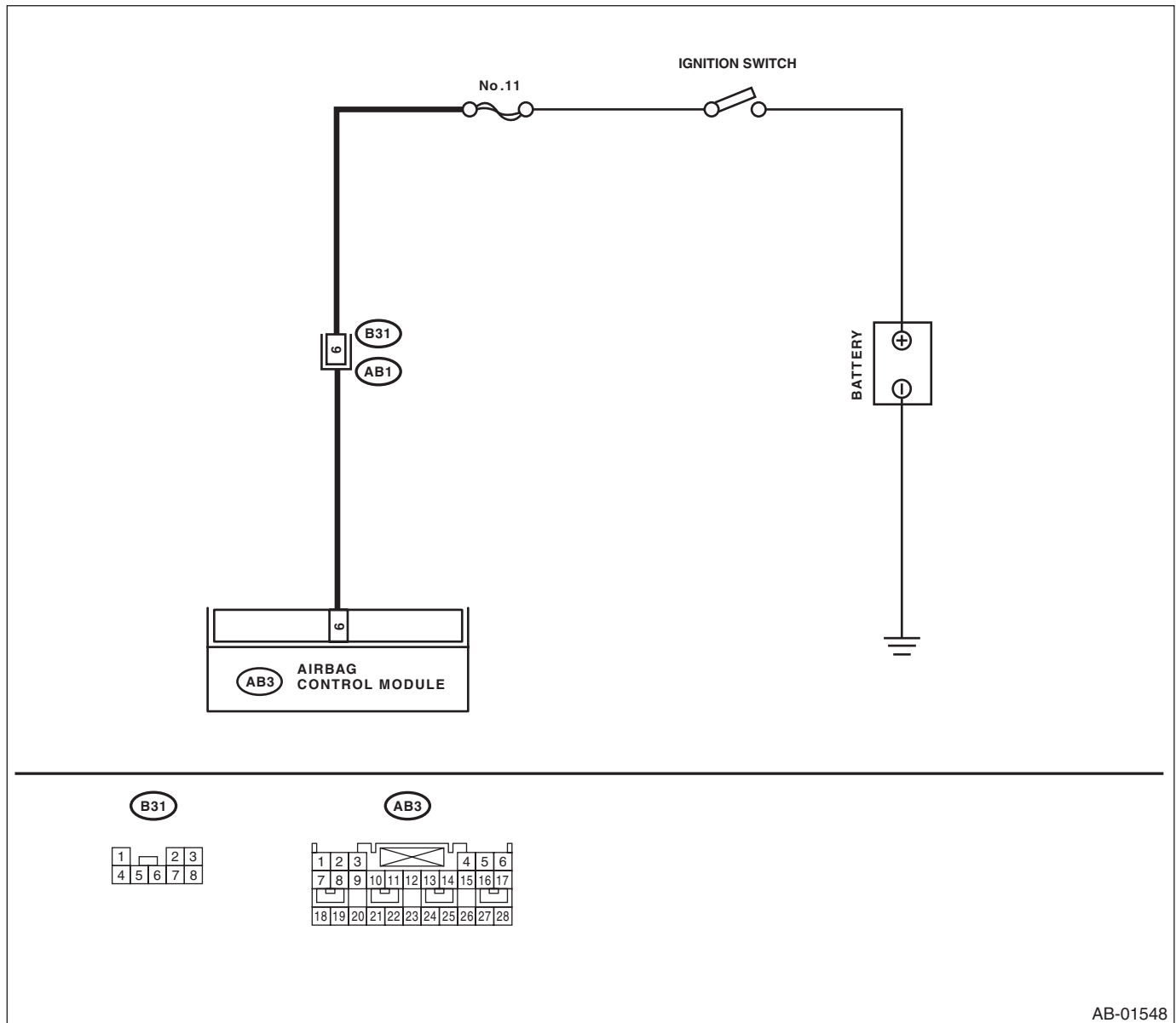
DTC DETECTING CONDITION:

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

WIRING DIAGRAM:



AB-01548

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB3) from airbag control module. 3) Connect the connector (1R) in the test harness R to connector (AB3). 4) Connect the battery ground terminal and turn the ignition switch to ON. 5) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal (2R) No. 1 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 2.
2 CHECK FUSE NO. 11 (IN JOINT BOX). 1) Confirm that the ignition switch is turned to OFF. 2) Remove the fuse No. 11 (in joint box) and perform visual inspection.	Is the fuse No. 11 blown out?	Replace the fuse No. 11. If fuse No. 11 is blown out again, repair the body harness. Replace the airbag main harness along with body harness.	Go to step 3.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 4.
4 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

I: DTC 25 IG2 OPEN

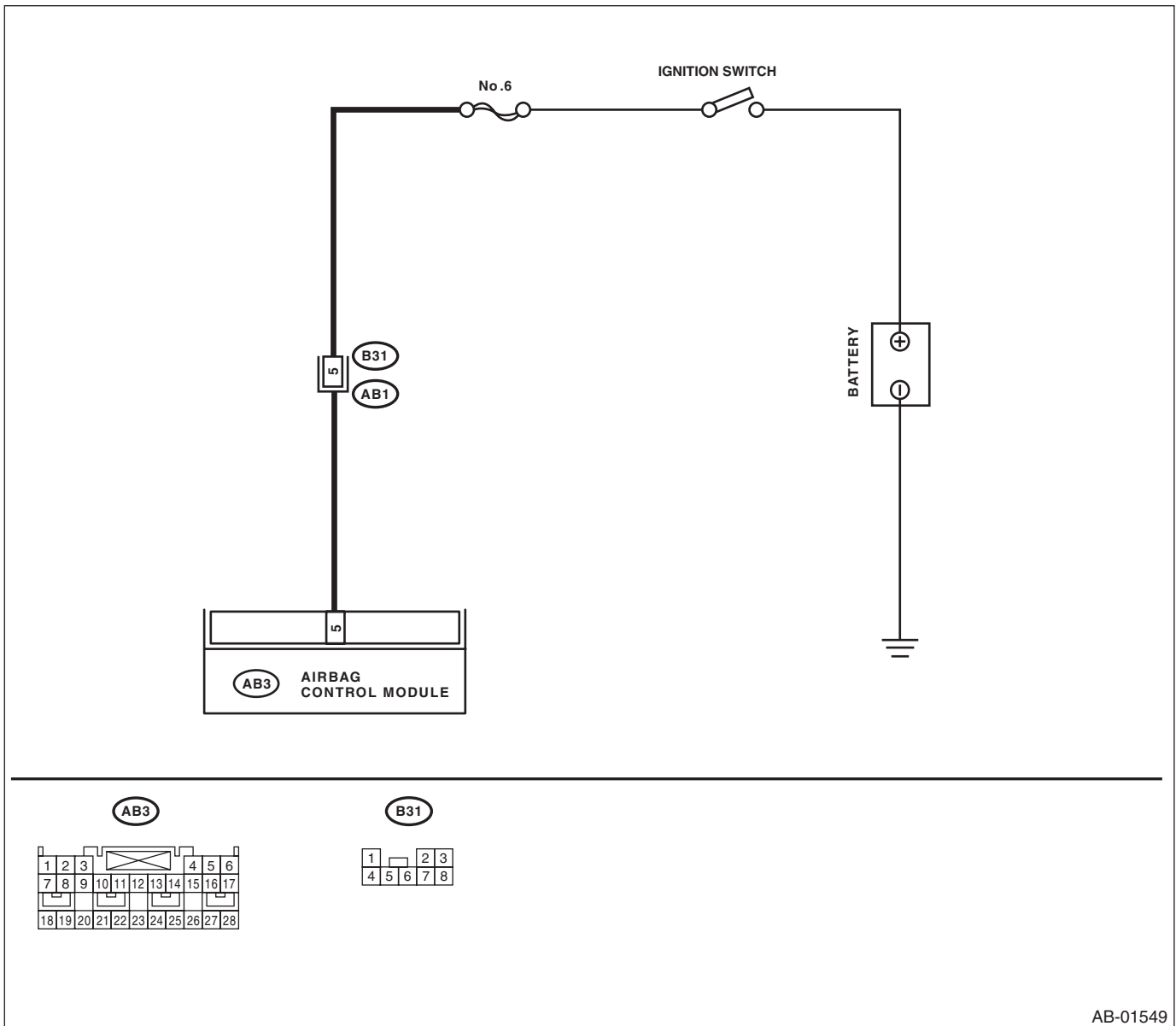
DTC DETECTING CONDITION:

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

WIRING DIAGRAM:



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB3) from airbag control module. 3) Connect the connector (1R) in the test harness R to connector (AB3). 4) Connect the battery ground terminal and turn the ignition switch to ON. 5) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal (2R) No. 6 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 2.
2 CHECK FUSE NO. 6 (IN JOINT BOX). 1) Confirm that the ignition switch is turned to OFF. 2) Remove the fuse No. 6 (in joint box) and perform visual inspection.	Is the fuse No. 6 blown out?	Replace the fuse No. 6. If fuse No. 6 is blown out again, repair the body harness. Or replace the airbag main harness along with body harness.	Go to step 3.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 4.
4 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

J: DTC 26 PASSENGER'S AIRBAG INDICATOR FAILURE

DTC DETECTING CONDITION:

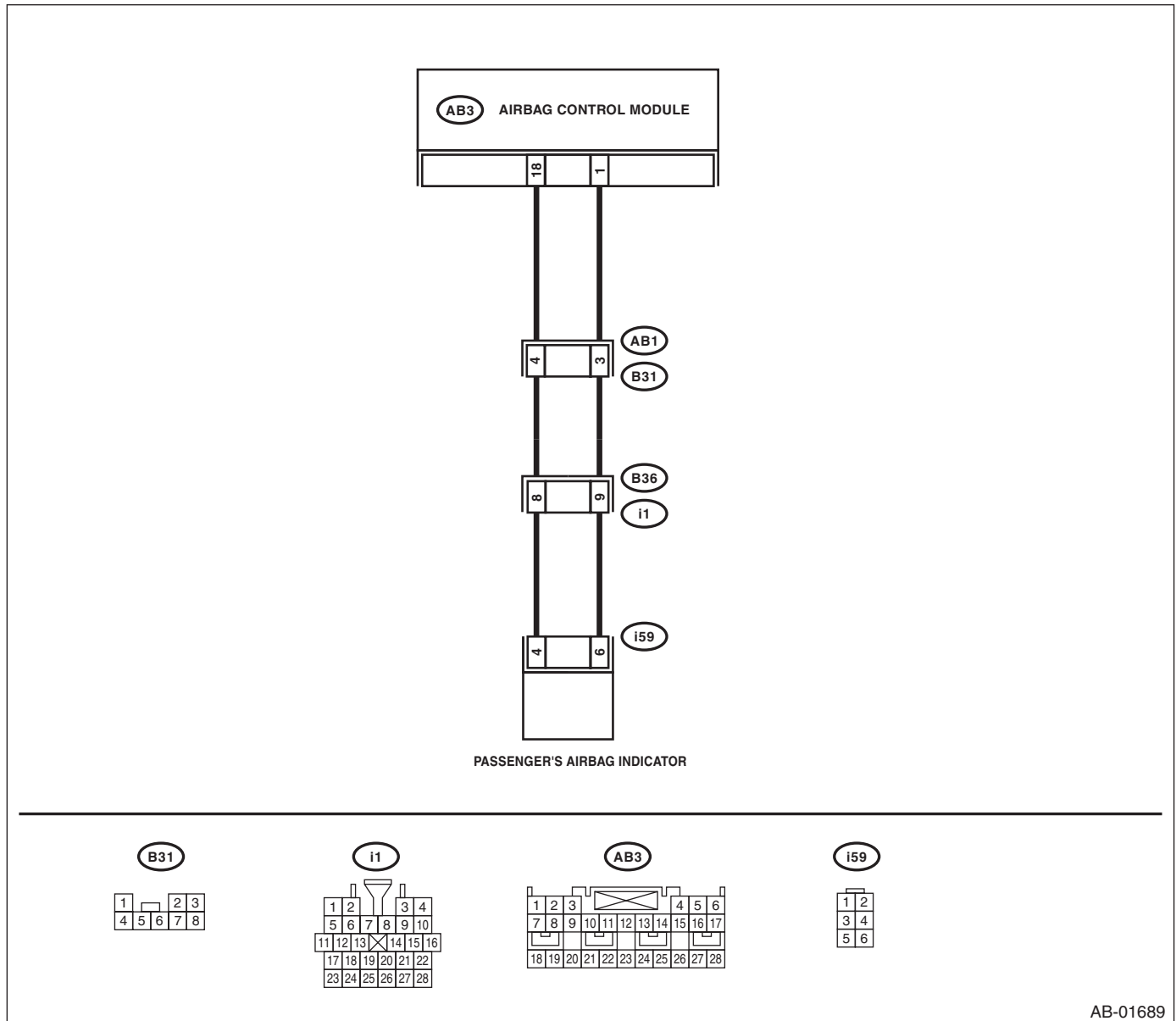
- Passenger's airbag indicator is faulty.
- Airbag control module is faulty.
- Airbag main harness circuit is open.
- Body harness circuit is open.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag harness, disconnect each airbag module connector and seat belt pretensioner for safety.

WIRING DIAGRAM:

- Auto A/C model



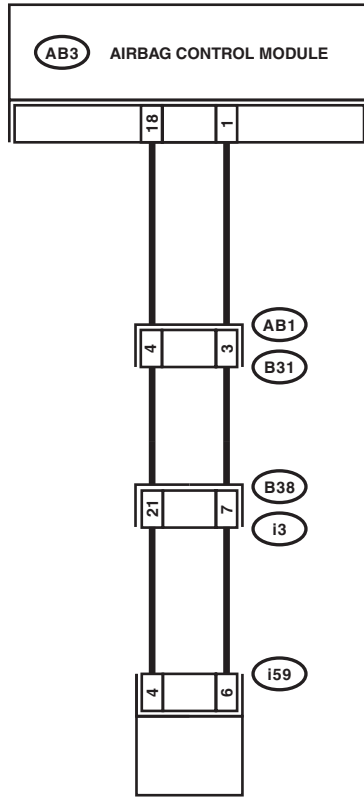
AB-01689

Diagnostic Chart with Trouble Code

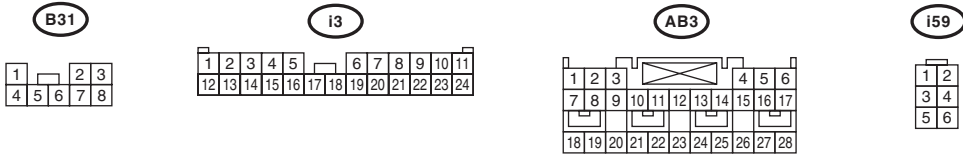
AIRBAG SYSTEM (DIAGNOSTICS)

- Manual A/C model

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PASSENGER'S AIRBAG INDICATOR



AB-01690

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No	
1	CHECK POOR CONTACT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Confirm that firm contact is secured for the connector between the airbag control module and the clock.	Is there poor contact in any connector?	Replace the airbag harness connector.	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS. 1) Disconnect the connector (AB3) from airbag control module. 2) Connect the battery ground terminal and turn the ignition switch to ON. NOTE: Neither of ON/OFF illuminates when it is normal.	Does the passenger's airbag indicator illuminate?	Go to step 3.	Go to step 4.
3	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF. 2) Remove the clock and disconnect connector (i59). 3) Connect the connector (1R) in the test harness R to connector (AB3). 4) Measure the resistance between connectors (2R) and (4R) in the test harness R and chassis ground. Connector & terminal (2R) No. 14 — (4R) No. 17: (2R) No. 14 — Chassis ground: (4R) No. 17 — Chassis ground:	Is the resistance 1 MΩ or more?	Replace the clock.	Repair the body harness. Or replace the airbag main harness along with body harness.
4	CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF. 2) Connect the connector (1R) in the test harness R to connector (AB3). 3) Measure the resistance between connectors (2R) and (4R) in the test harness R and connector (i59). Connector & terminal (2R) No. 14 — (i59) No. 6: (4R) No. 17 — (i59) No. 4:	Is the resistance less than 10 Ω?	Go to step 5.	Repair the body harness. Or replace the airbag main harness along with body harness.
5	CHECK AIRBAG HARNESS. 1) Turn the ignition switch to ON. 2) Measure the voltage between connector (i59) and chassis ground. Connector & terminal (i59) No. 2 — Chassis ground:	Is the voltage 10 V or more?	Replace the clock.	Repair the clock power supply line.

Diagnostic Chart with Trouble Code

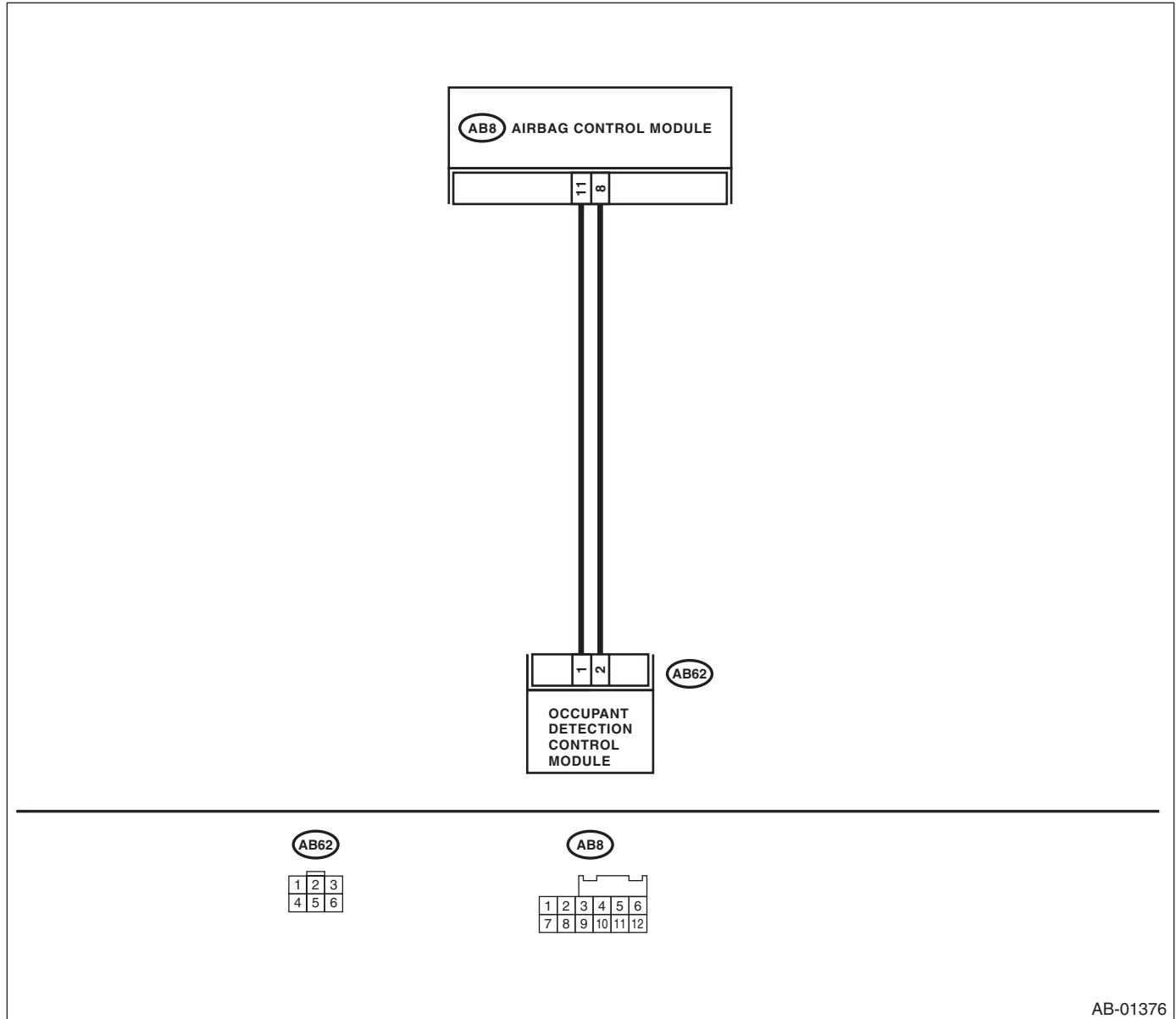
AIRBAG SYSTEM (DIAGNOSTICS)

K: DTC 27 ODS COMMUNICATION ERROR

DTC DETECTING CONDITION:

- Communication to the occupant detection control module is faulty.
- Airbag rear harness circuit is open, shorted, ground shorted, or shorted to power supply.
- Occupant detection harness (seat harness) is faulty.
- Occupant detection system is faulty.
- Airbag control module is faulty.

WIRING DIAGRAM:



AB-01376

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the occupant detection control module.	Is there poor contact?	Reconnect the connector. If defective is not improved, replace the side airbag harness RH or the occupant detection harness (seat harness).	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB8) from airbag control module. 3) Disconnect connector (AB62) under the passenger's seat. 4) Connect the connector (1R) in the test harness R to connector (AB8). 5) Connect the connector (1AB) in the test harness AB to the connector (AB62). 6) Measure the resistance between connector (4R) in the test harness R and connector (2AB) in the test harness AB. <i>Connector & terminal</i> <i>(4R) No. 12 — (2AB) No. 1:</i> <i>(4R) No. 10 — (2AB) No. 2:</i>	Is the resistance less than 10 Ω?	Go to step 3.	Replace the side airbag harness RH along with the body harness.
3 CHECK AIRBAG HARNESS. Measure resistance between connector (4R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(4R) No. 12 — Chassis ground:</i> <i>(4R) No. 10 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the side airbag harness RH along with the body harness.
4 CHECK OCCUPANT DETECTION SYSTEM. 1) Connect connector (AB8) to the airbag control module. 2) Connect connectors (AB62) and (AB67). 3) Connect the ground cable to the battery. 4) Check the occupant detection system. <Ref. to OD(diag)-2, Basic Diagnostic Procedure.>	Is occupant detection system faulty?	Repair the occupant detection system. <Ref. to OD(diag)-2, Basic Diagnostic Procedure.>	Finish the diagnosis.

L: DTC 29 ODS FAILURE

NOTE:

Refer to "Occupant Detection System" for details on DTC 29. <Ref. to OD(diag)-30, DTC 29 ODS FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

M: DTC 2A ODS CALIBRATION ERROR

NOTE:

Refer to "Occupant Detection System" for details on DTC 2A. <Ref. to OD(diag)-26, DTC 2A ODS CALIBRATION ERROR, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

N: DTC 2B ODS SYSTEM WRONG PARTS

NOTE:

Refer to "Occupant Detection System" for DTC 2B. <Ref. to OD(diag)-27, DTC 2B ODS SYSTEM WRONG PARTS, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

O: DTC 2C BELT TENSION SENSOR FAILURE

NOTE:

Refer to "Occupant Detection System" for details on DTC 2C. <Ref. to OD(diag)-28, DTC 2C BELT TENSION SENSOR FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

P: DTC 31 FRONT SUB SENSOR RH FAILURE

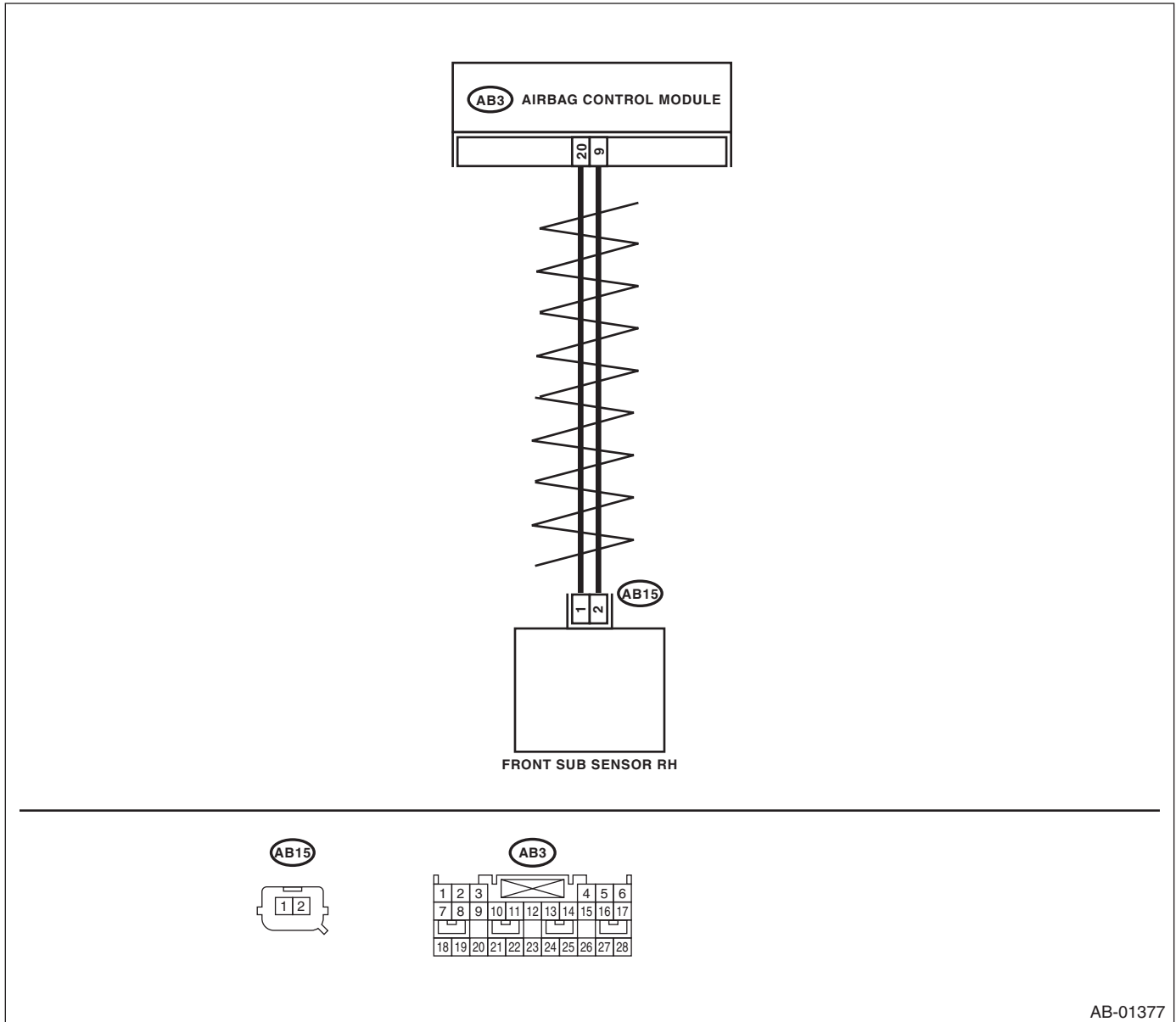
DTC DETECTING CONDITION:

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

CAUTION:

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

WIRING DIAGRAM:



AB-01377

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the front sub sensor (RH).	Is there poor contact?	Repair the connector.	Go to step 2.
2 CHECK AIRBAG MAIN HARNESS (FRONT SUB SENSOR RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the instrument panel lower cover and disconnect the connectors (AB26) and (AB2). 3) Remove the instrument panel side cover on the passenger's side and disconnect the connectors (AB27) and (AB4). 4) Disconnect the connector (AB3) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB3). 6) Disconnect the front sub sensor (RH), and then connect the connector (1H) in the test harness H to connector (AB15). 7) Measure the resistance between connector (3R) in the test harness R and connector (3H) in the test harness H. <i>Connector & terminal</i> <i>(3R) No. 7 — (3H) No. 5:</i> <i>(3R) No. 9 — (3H) No. 6:</i>	Is the resistance less than 10 Ω?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG MAIN HARNESS (FRONT SUB SENSOR RH). Measure resistance between connector (3R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(3R) No. 7 — Chassis ground:</i> <i>(3R) No. 9 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Replace the front sub sensor (RH). <Ref. to AB-20, Front Sub Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-17, Airbag Control Module.>	Go to step 4.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Q: DTC 32 FRONT SUB SENSOR LH FAILURE

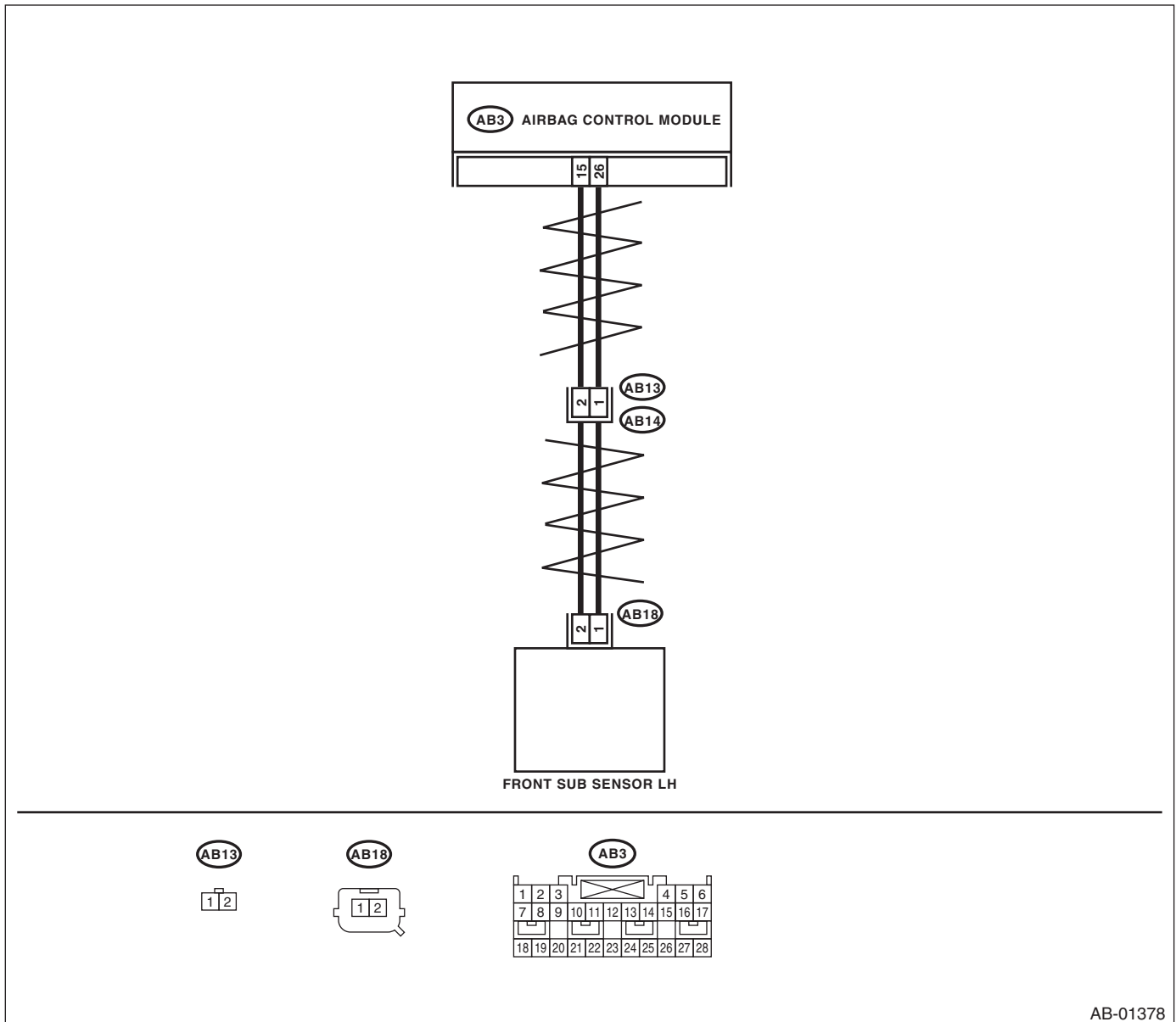
DTC DETECTING CONDITION:

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

CAUTION:

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

WIRING DIAGRAM:



AB-01378

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the front sub sensor LH.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2 CHECK AIRBAG MAIN HARNESS (FRONT SUB SENSOR LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the instrument panel lower cover and disconnect the connectors (AB26) and (AB2). 3) Remove the console side cover lower on the passenger's side and disconnect the connectors (AB27) and (AB4). 4) Disconnect the connector (AB3) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB3). 6) Disconnect the front sub sensor (LH), and then connect the connector (1H) in the test harness H to connector (AB18). 7) Measure the resistance between connector (3R) in the test harness R and connector (3H) in the test harness H. <i>Connector & terminal</i> <i>(3R) No. 6 — (3H) No. 5:</i> <i>(3R) No. 8 — (3H) No. 6:</i>	Is the resistance less than 10 Ω?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG MAIN HARNESS (FRONT SUB SENSOR LH). Measure resistance between connector (3R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(3R) No. 6 — Chassis ground:</i> <i>(3R) No. 8 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Replace the front sub sensor (LH). <Ref. to AB-20, Front Sub Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-17, Airbag Control Module.>	Go to step 4.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

R: DTC 33 FRONT SUB SENSOR RH FAILURE

DTC DETECTING CONDITION:

Front sub sensor (RH) is faulty.

If DTC 33 is displayed, the circuit within the front sub sensor (RH) is faulty. Replace the front sub sensor (RH). <Ref. to AB-20, Front Sub Sensor.>

S: DTC 34 FRONT SUB SENSOR LH FAILURE

DTC DETECTING CONDITION:

Front sub sensor (LH) is faulty.

If DTC 34 is displayed, the circuit within the front sub sensor (LH) is faulty. Replace the front sub sensor (LH). <Ref. to AB-20, Front Sub Sensor.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

T: DTC 36 SEAT POSITION SENSOR LH FAILURE

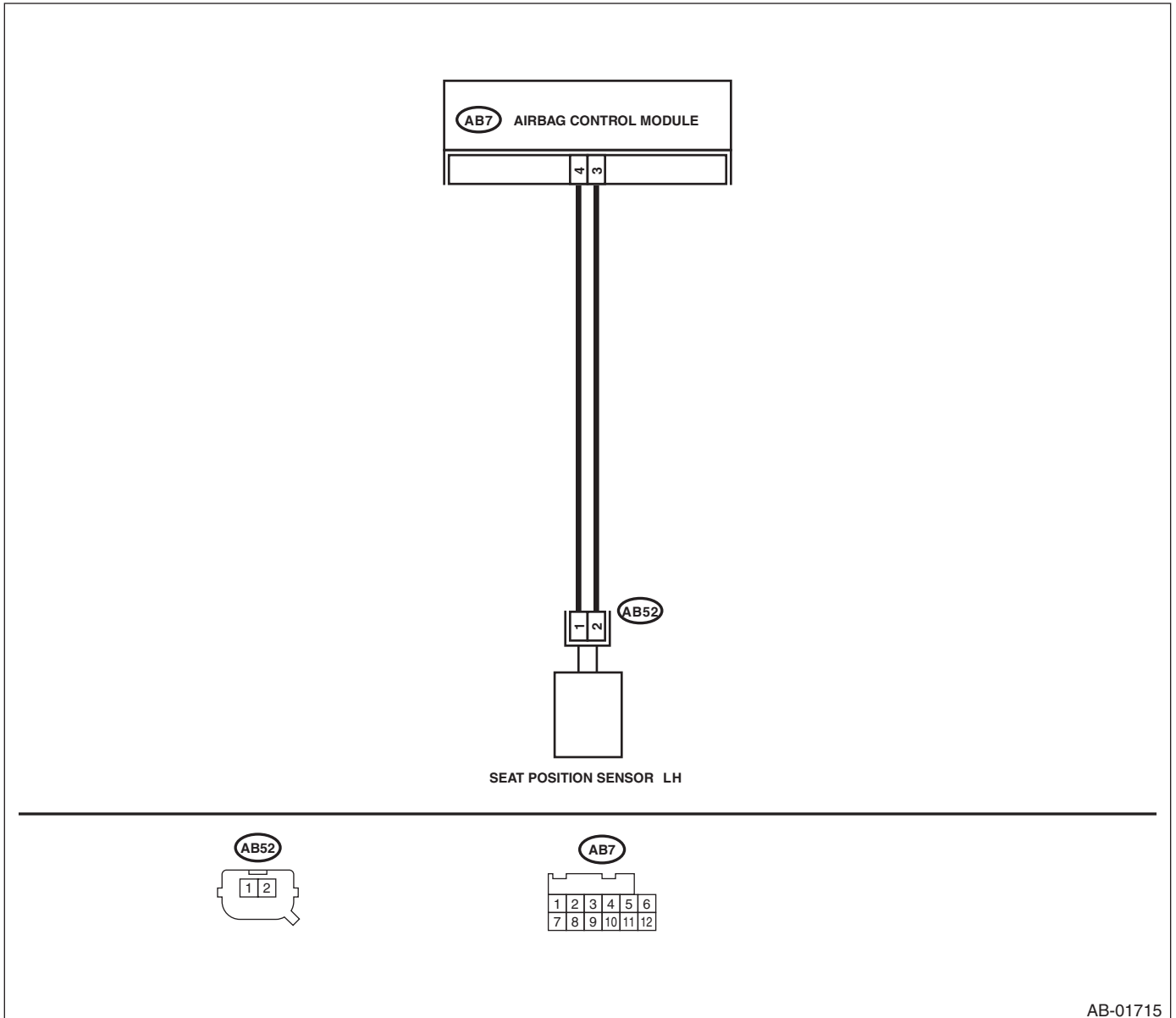
DTC DETECTING CONDITION:

- Driver's seat position sensor is faulty.
- Airbag control module is faulty.
- Side airbag harness circuit is open, shorted or ground shorted.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag harness, disconnect each airbag module connector and seat belt pretensioner for safety.

WIRING DIAGRAM:



AB-01715

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness.	Go to step 2.
2 CHECK SEAT POSITION SENSOR (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB52) from the seat position sensor (LH). 3) Connect the connector (2Y) in the test harness Y to connector (AB52). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat position sensor (LH) along with the driver's seat slide rail assembly. <Ref. to SE-7, Front Seat.>	Go to step 3.
3 CHECK AIRBAG REAR HARNESS (SEAT POSITION SENSOR HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB7) from airbag control module. 3) Connect the connector (1R) in the test harness R to connector (AB7). 4) Disconnect the seat position sensor (LH), and then connect the connector (1H) in the test harness H to connector (AB64). 5) Measure the resistance between connector (3R) in the test harness R and connector (3H) in the test harness H. <i>Connector & terminal</i> <i>(3R) No. 1 — (3H) No. 5:</i> <i>(3R) No. 3 — (3H) No. 6:</i>	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness (LH) along with body harness.
4 CHECK AIRBAG REAR HARNESS. Measure resistance between connector (3R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(3R) No. 1 — Chassis ground:</i> <i>(3R) No. 3 — Chassis ground:</i>	Is the resistance less than 10 Ω ?	Replace the airbag rear harness (LH) along with body harness.	Go to step 5.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

U: DTC 37 BUCKLE SWITCH RH FAILURE

NOTE:

Refer to "Occupant Detection System" for DTC 37. <Ref. to OD(diag)-31, DTC 37 BUCKLE SWITCH RH FAILURE, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

V: DTC 38 BUCKLE SWITCH LH FAILURE

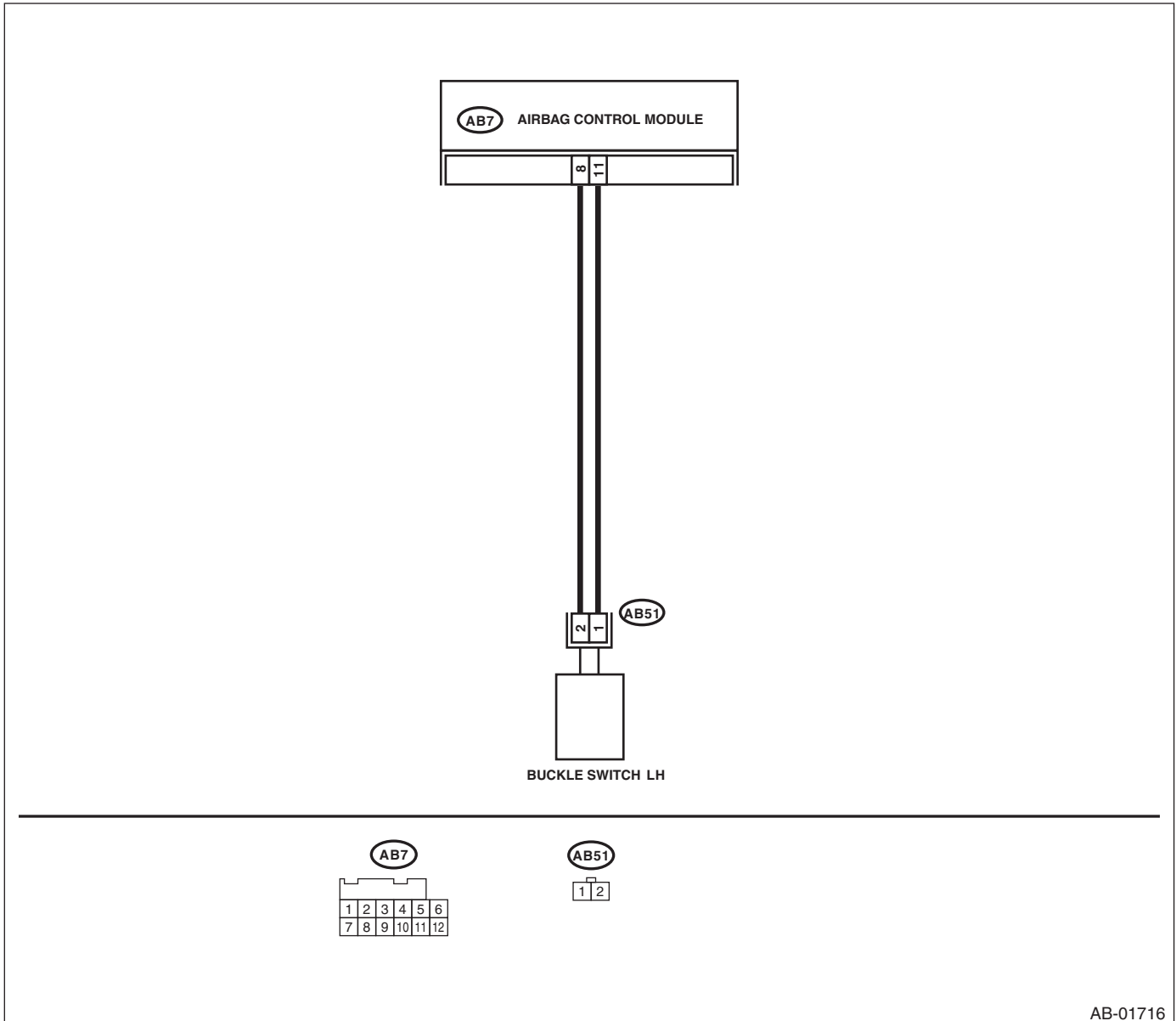
DTC DETECTING CONDITION:

- Driver's buckle switch circuit is open, shorted or ground shorted.
- Side airbag harness circuit is open, shorted or ground shorted.
- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When replacing the airbag module, seat belt pretensioner, roll connector, control module and sensor, reconnect each part and check that the warning light operates properly.
- When inspecting the airbag harness, disconnect each airbag module connector and seat belt pretensioner for safety.

WIRING DIAGRAM:



AB-01716

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness.	Go to step 2.
2 CHECK SEAT BELT BUCKLE SWITCH (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB51) from the buckle switch (LH). 3) Connect the connector (1Y) in the test harness Y to connector (AB51). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt buckle switch (LH). <Ref. to SB-10, Front Seat Belt.>	Go to step 3.
3 CHECK AIRBAG REAR HARNESS (BUCKLE SWITCH HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the connector (AB7) from airbag control module. 3) Connect the connector (1R) in the test harness R to connector (AB7). 4) Disconnect the seat belt buckle switch (LH), and then connect the connector (1D) in the test harness D to connector (AB51). 5) Measure the resistance between connector (4R) in the test harness R and connector (3D) in the test harness D. <i>Connector & terminal</i> <i>(4R) No. 11 — (3D) No. 3:</i> <i>(4R) No. 9 — (3D) No. 4:</i>	Is the resistance less than 10 Ω?	Go to step 4.	Replace the airbag rear harness (LH) along with body harness.
4 CHECK AIRBAG REAR HARNESS. Measure resistance between connector (4R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(4R) No. 9 — Chassis ground:</i> <i>(4R) No. 11 — Chassis ground:</i>	Is the resistance less than 10 Ω?	Replace the airbag rear harness (LH) along with body harness.	Go to step 5.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

W: DTC 41 SIDE AIRBAG RH FAILURE

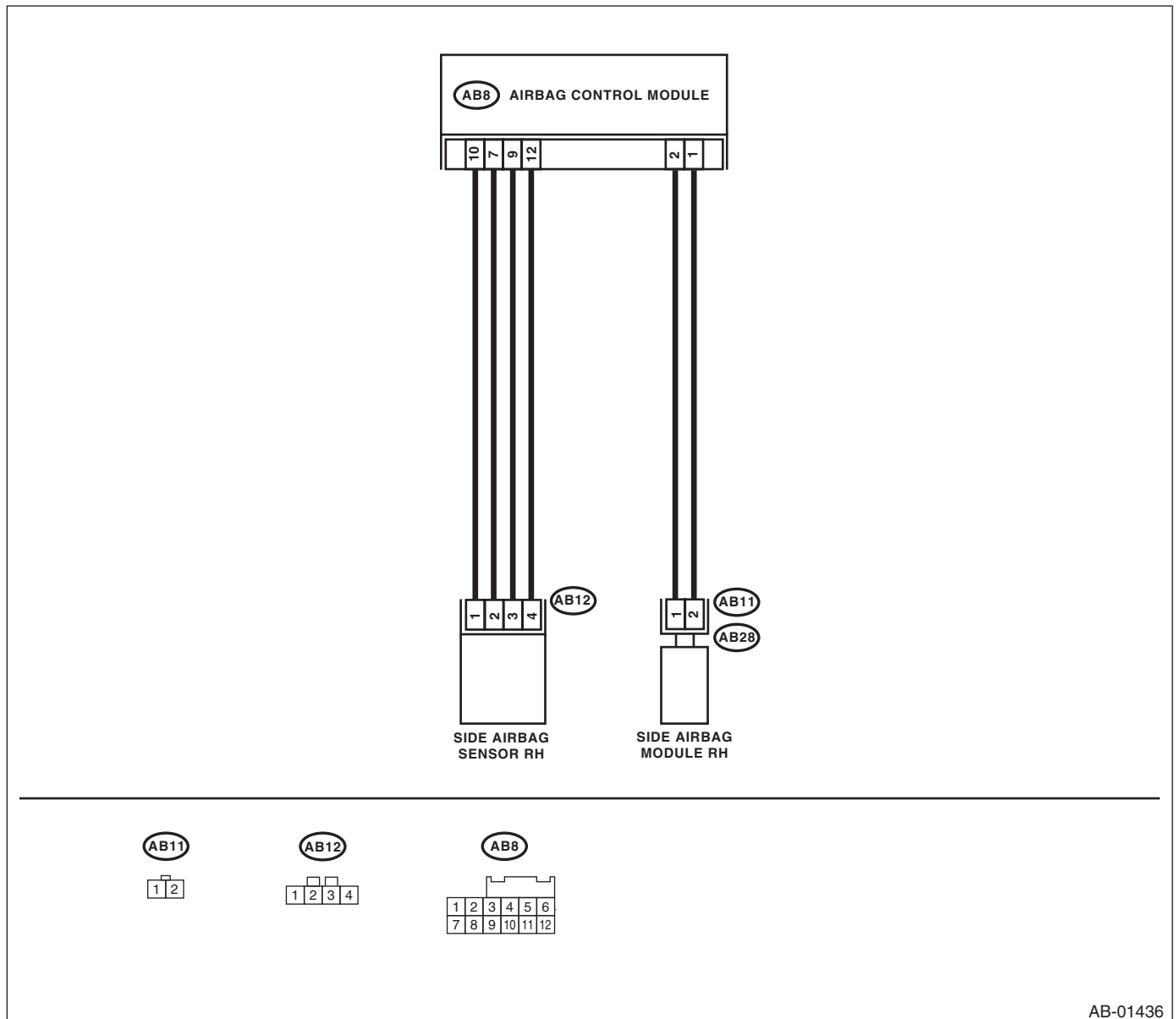
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01436

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (RH) and the side airbag sensor (RH).	Is there poor contact?	Replace the side airbag harness (RH) along with the body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB11) from side airbag module (RH), and connect connector (1F) in test harness F to connector (AB11). 3) Connect the airbag resistor to the connector (3F) of test harness F. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the front seat along with side airbag module (RH). <Ref. to SE-7, Front Seat.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB20) from seat belt pretensioner (RH). 3) Disconnect the airbag resistor from test harness F. 4) Disconnect the connector (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB8). 6) Measure resistance between connector (3R) in the test harness R and connector (3F) in the test harness F. <i>Connector & terminal</i> <i>(3R) No. 18 — (3F) No. 3:</i> <i>(3R) No. 20 — (3F) No. 4:</i>	Is the resistance less than 10 Ω?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK SIDE AIRBAG HARNESS (RH). Measure resistance between connector (3R) terminals in the test harness R. <i>Connector & terminal</i> <i>(3R) No. 18 — (3R) No. 20:</i>	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the side airbag harness along with the body harness.
5 CHECK SIDE AIRBAG HARNESS (RH). Measure resistance between connector (3R) in the test harness R and chassis ground. <i>Connector & terminal</i> <i>(3R) No. 18 — Chassis ground:</i> <i>(3R) No. 20 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the side airbag harness along with the body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

X: DTC 42 SIDE AIRBAG LH FAILURE

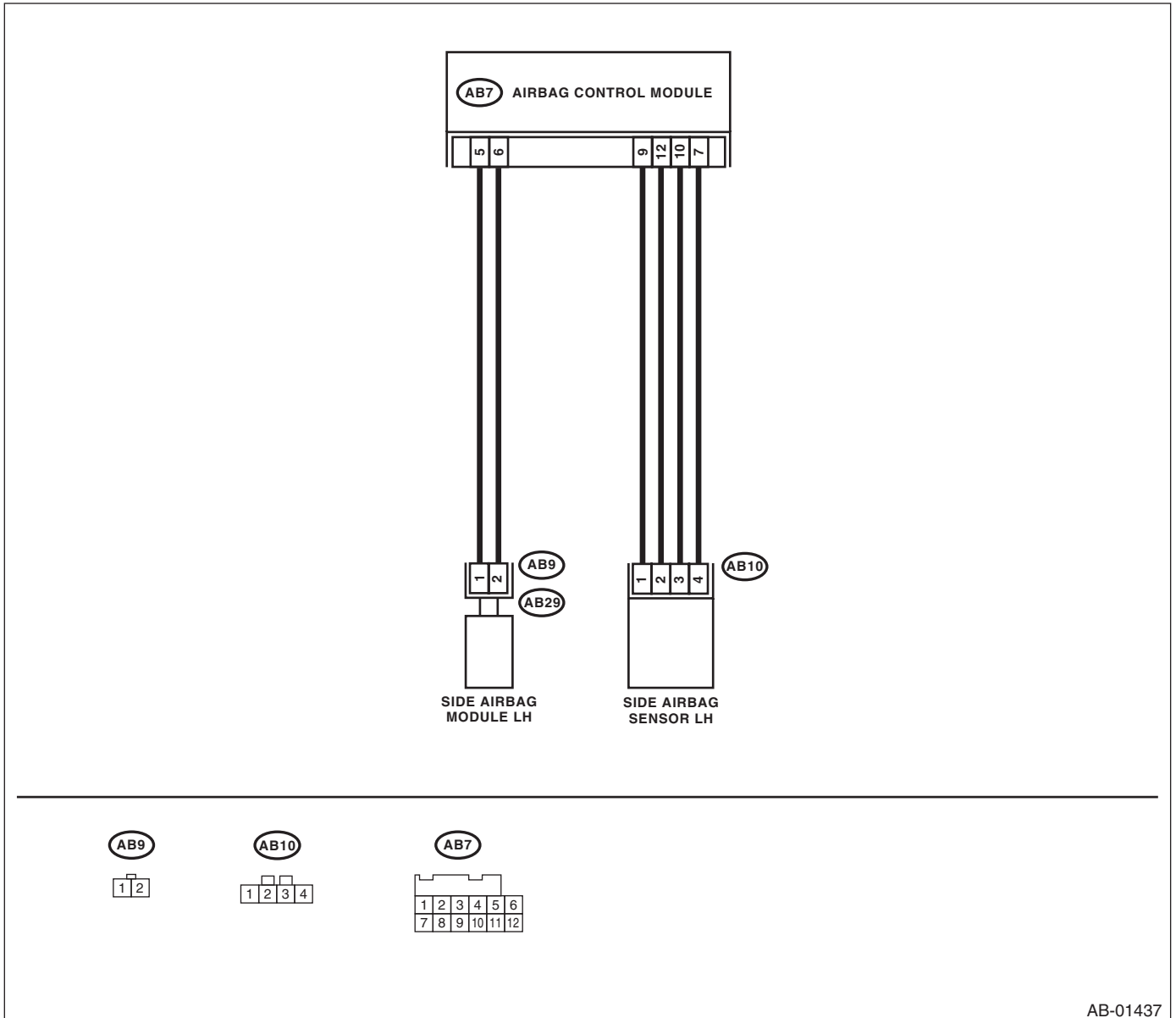
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01437

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No	
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (LH) and the side airbag sensor (LH).	Is there poor contact?	Replace the side airbag harness (LH) along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB9) from side airbag module (LH), and connect connector (1F) in test harness F to connector (AB9). 3) Connect the airbag resistor to the connector (3F) of test harness F. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the front seat along with side airbag module (LH). <Ref. to SE-7, Front Seat.>	Go to step 3.
3	CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB19) from seat belt pretensioner (LH). 3) Disconnect the airbag resistor from test harness. 4) Disconnect the connector (AB7) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB7). 6) Measure resistance between connector (3R) in the test harness R and connector (3F) in the test harness F. Connector & terminal (3R) No. 12 — (3F) No. 4: (3R) No. 10 — (3F) No. 3:	Is the resistance less than 10 Ω?	Go to step 4.	Replace the side airbag harness along with the body harness.
4	CHECK SIDE AIRBAG HARNESS (LH). Measure resistance between connector (3R) terminals in the test harness R. Connector & terminal (3R) No. 12 — (3R) No. 10:	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the side airbag harness along with the body harness.
5	CHECK SIDE AIRBAG HARNESS (LH). Measure resistance between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 10 — Chassis ground: (3R) No. 12 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the side airbag harness along with the body harness.
6	CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Y: DTC 45 SIDE AIRBAG RH FAILURE

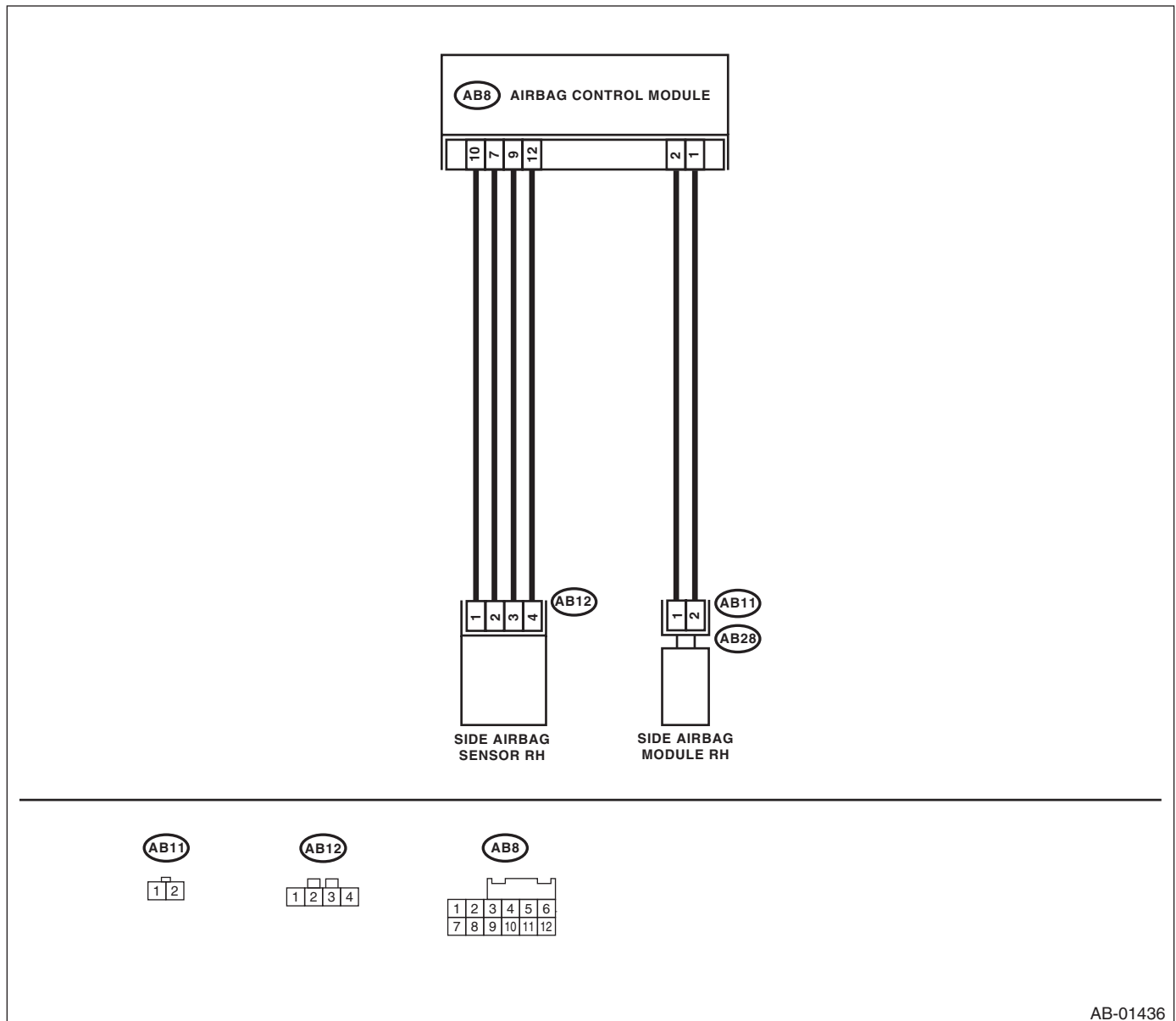
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01436

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (RH) and the side airbag sensor (RH).	Is there poor contact?	Replace the side airbag harness (RH) along with the body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB11) from side airbag module (RH), and connect connector (1F) in test harness F to connector (AB11). 3) Connect the airbag resistor to the connector (3F) of test harness F. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the front seat along with side airbag module (RH). <Ref. to SE-7, Front Seat.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB20) from seat belt pretensioner (RH). 3) Disconnect the airbag resistor from test harness. 4) Disconnect the connector (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB8). 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Measure the voltage between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 18 (+) — Chassis ground (-): (3R) No. 20 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Z: DTC 46 SIDE AIRBAG LH FAILURE

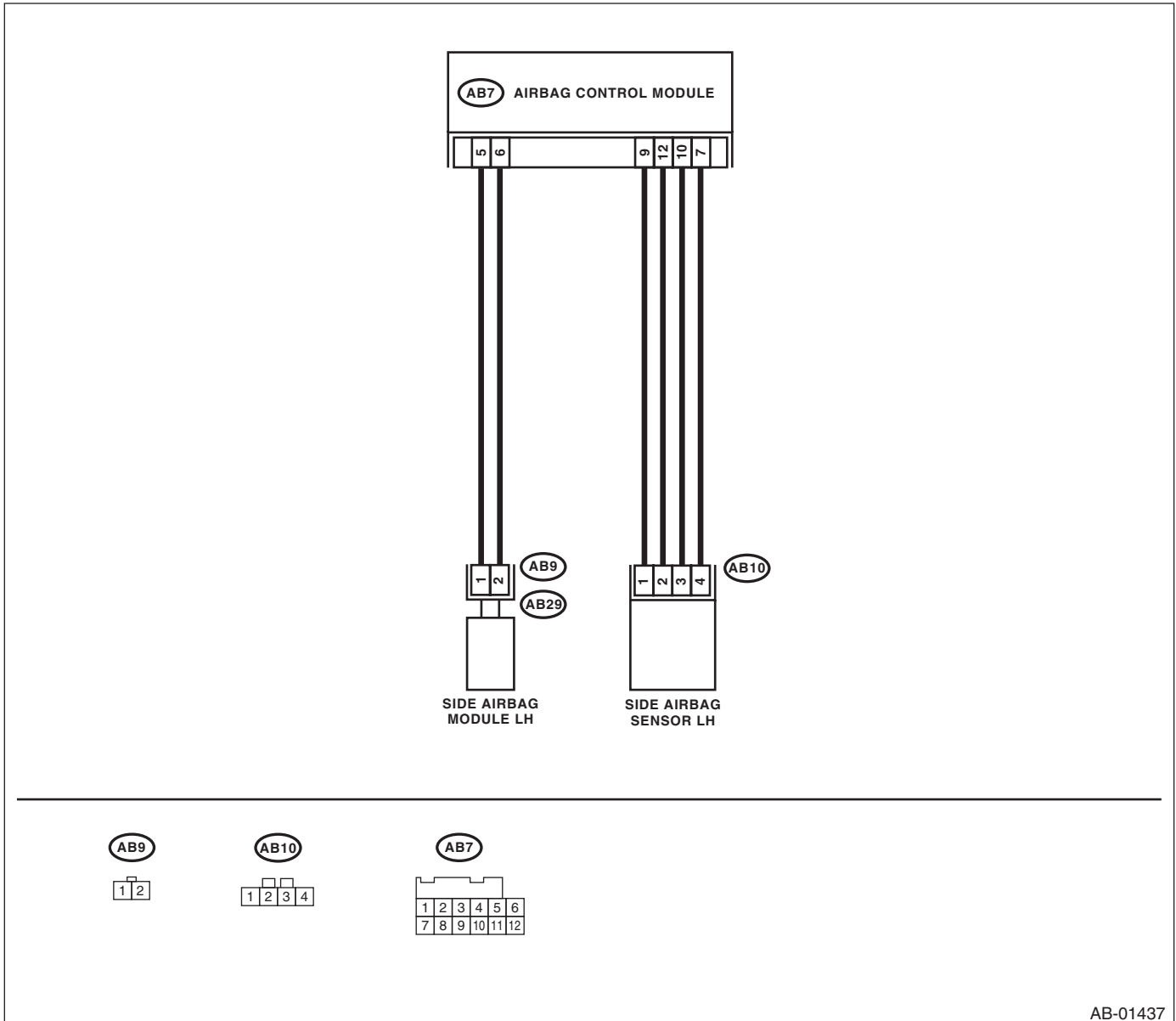
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01437

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (LH) and the side airbag sensor (LH).	Is there poor contact?	Replace the side airbag harness (LH) along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB9) from side airbag module (LH), and connect connector (1F) in test harness F to connector (AB9). 3) Connect the airbag resistor to the connector (3F) of test harness F. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the front seat along with side airbag module (LH). <Ref. to SE-7, Front Seat.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB19) from seat belt pretensioner (LH). 3) Disconnect the airbag resistor from test harness. 4) Disconnect the connector (AB7) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB7). 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Measure the voltage between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 10 (+) — Chassis ground (-): (3R) No. 12 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AA:DTC 51 SIDE AIRBAG SENSOR RH FAILURE

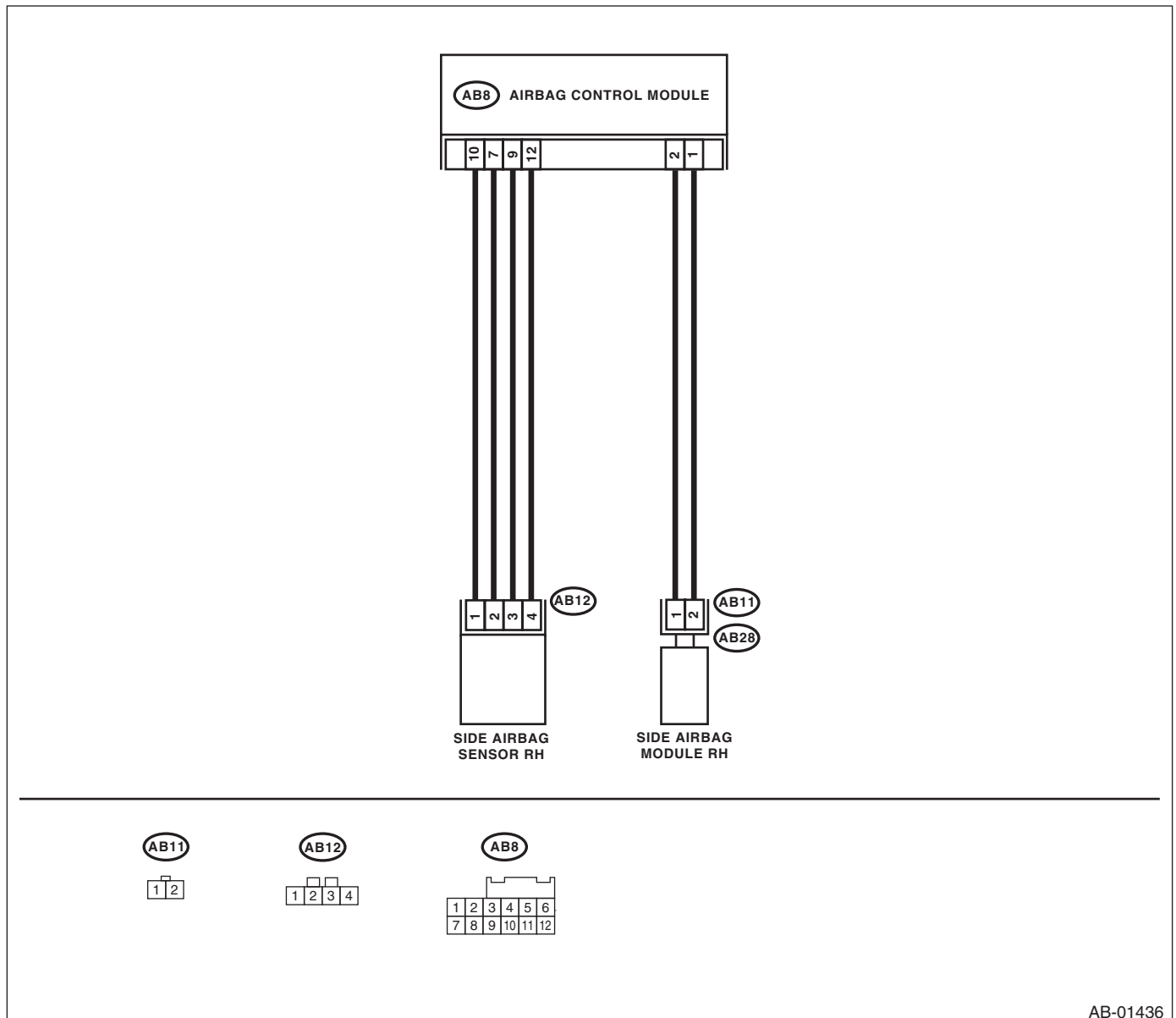
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01436

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (RH) and the side airbag sensor (RH).	Is there poor contact?	Replace the side airbag harness (RH) along with the body harness.	Go to step 2.
2 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB20) from seat belt pretensioner (RH). 3) Disconnect the connector (AB8) from airbag control module. 4) Connect the connector (1R) in the test harness R to connector (AB8). 5) Disconnect connector (AB20) from side airbag sensor (RH), and connect connector (2V) in test harness V to connector (AB20). 6) Measure resistance between connector (4R) in the test harness R and connector (3V) in the test harness V. Connector & terminal (4R) No. 5 — (3V) No. 2: (4R) No. 6 — (3V) No. 4: (4R) No. 7 — (3V) No. 1: (4R) No. 8 — (3V) No. 5:	Is the resistance less than 10 Ω?	Go to step 3.	Replace the side airbag harness along with the body harness.
3 CHECK SIDE AIRBAG HARNESS. Measure resistance between connector (4R) terminals in the test harness R, and the resistance between connector (4R) in the test harness R and chassis ground. Connector & terminal (4R) No. 5 — (4R) No. 7: (4R) No. 5 — (4R) No. 6: (4R) No. 5 — (4R) No. 8: (4R) No. 6 — (4R) No. 7: (4R) No. 6 — (4R) No. 8: (4R) No. 7 — (4R) No. 8: (4R) No. 5 — Chassis ground: (4R) No. 6 — Chassis ground: (4R) No. 7 — Chassis ground: (4R) No. 8 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the side airbag sensor (RH). <Ref. to AB-18, Side Airbag Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AB:DTC 52 SIDE AIRBAG SENSOR LH FAILURE

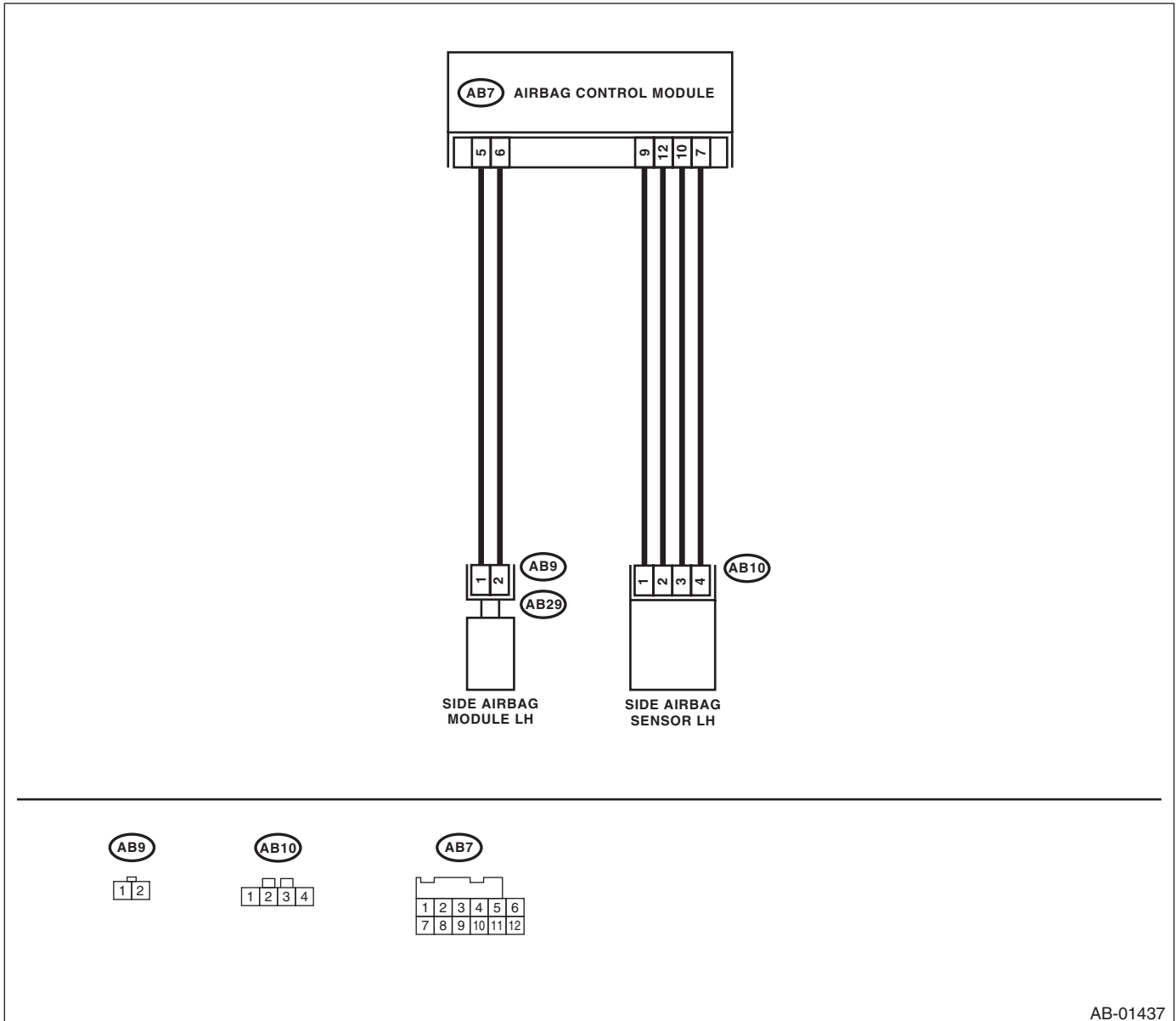
DTC DETECTING CONDITION:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch to OFF, disconnect the ground terminal from battery, and wait for 20 seconds or more before starting to work.
- When inspecting the airbag main harness, disconnect the airbag module connectors of the driver's and passenger's seats for safety.
- When inspecting the side airbag harness, disconnect the side airbag module connector, and seat belt pretensioner connector for safety.

WIRING DIAGRAM:



AB-01437

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module (LH) and the side airbag sensor (LH).	Is there poor contact?	Replace the side airbag harness (LH) along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB19) from seat belt pretensioner (LH). 3) Disconnect connector (AB9) from side airbag module (LH). 4) Disconnect the connector (AB7) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB7). 6) Disconnect the connector (AB10) from side airbag sensor (LH), and connect connector (2V) in test harness V to connector (AB10). 7) Measure resistance between connector (4R) in the test harness R and connector (3V) in the test harness V. Connector & terminal <i>(4R) No. 4 — (3V) No. 2:</i> <i>(4R) No. 3 — (3V) No. 4:</i> <i>(4R) No. 2 — (3V) No. 1:</i> <i>(4R) No. 1 — (3V) No. 5:</i>	Is the resistance less than 10 Ω?	Go to step 3.	Replace the side airbag harness along with the body harness.
3	CHECK SIDE AIRBAG HARNESS (LH). Measure resistance between connector (4R) terminals in the test harness R, and the resistance between connector (4R) in the test harness R and chassis ground. Connector & terminal <i>(4R) No. 4 — (4R) No. 3:</i> <i>(4R) No. 4 — (4R) No. 2:</i> <i>(4R) No. 4 — (4R) No. 1:</i> <i>(4R) No. 3 — (4R) No. 2:</i> <i>(4R) No. 3 — (4R) No. 1:</i> <i>(4R) No. 2 — (4R) No. 1:</i> <i>(4R) No. 4 — Chassis ground:</i> <i>(4R) No. 3 — Chassis ground:</i> <i>(4R) No. 2 — Chassis ground:</i> <i>(4R) No. 1 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the side airbag harness along with the body harness.
4	CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the side airbag sensor (LH). <Ref. to AB-18, Side Airbag Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AC:DTC 53 SIDE AIRBAG SENSOR RH FAILURE

DTC DETECTING CONDITION:

Side airbag sensor (RH) is faulty.

When DTC 53 is displayed, the circuit within the side airbag sensor (RH) is faulty. Replace the side airbag sensor (RH).

<Ref. to AB-18, Side Airbag Sensor.>

AD:DTC 54 SIDE AIRBAG SENSOR LH FAILURE

DTC DETECTING CONDITION:

Side airbag sensor (LH) is faulty.

When code 54 is displayed, the circuit within the side airbag sensor (LH) is faulty. Replace the side airbag sensor (LH).

<Ref. to AB-18, Side Airbag Sensor.>

AE:DTC 55 SIDE CURTAIN AIRBAG FIRING OUTPUT

This code is displayed when the side airbag is operated.

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

- Airbag control module <Ref. to AB-17, Airbag Control Module.>
- Front seat with side airbag module (Operating side) <Ref. to SE-7, Front Seat.>
- Side airbag sensor (Operating side) <Ref. to AB-18, Side Airbag Sensor.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AF:DTC 61 BELT PRETENSIONER RH FAILURE

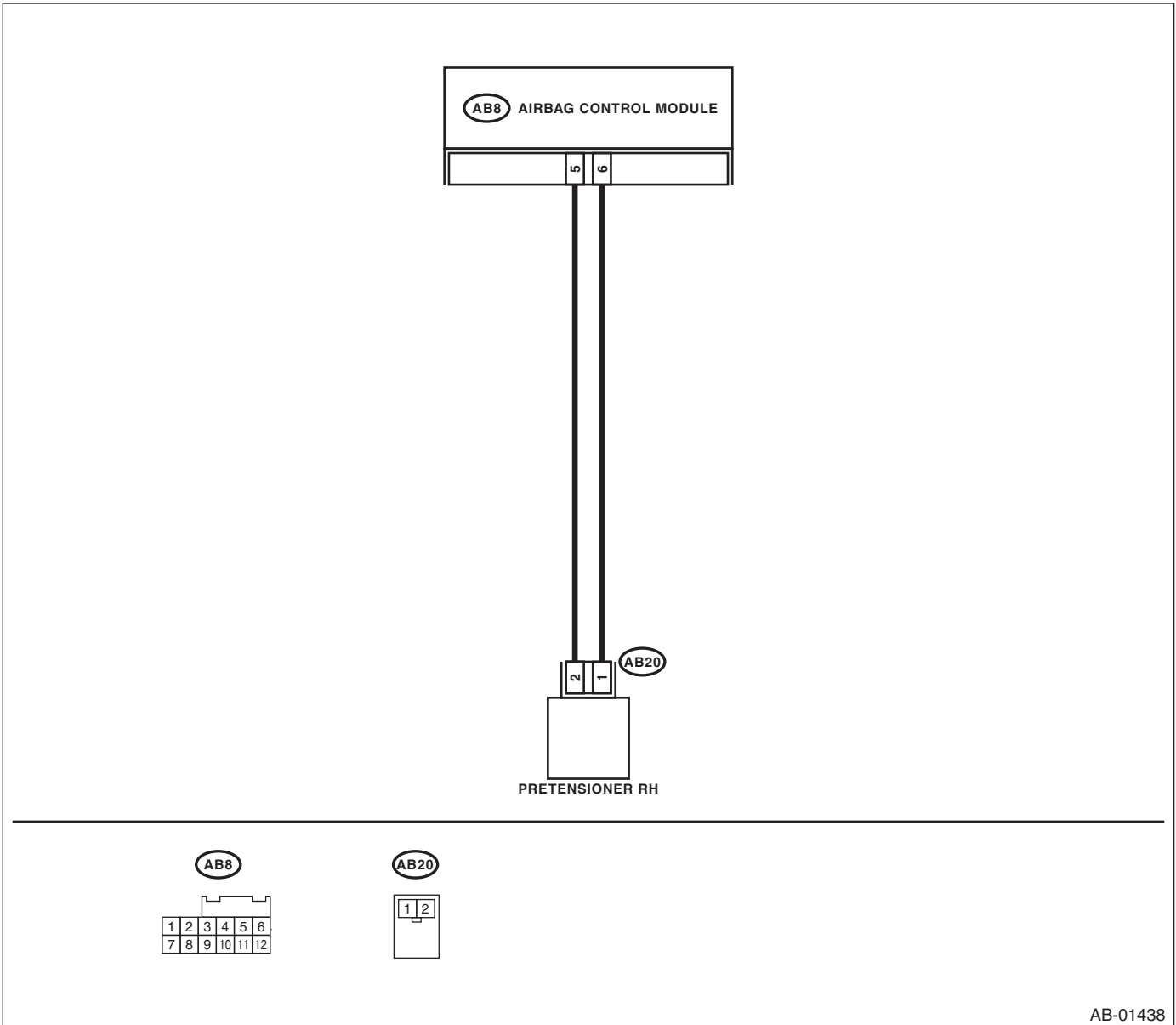
DTC DETECTING CONDITION:

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

CAUTION:

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

WIRING DIAGRAM:



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner (RH).	Is there poor contact?	Replace the side airbag harness (RH) along with the body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB20) from seat belt pretensioner (RH). 3) Connect connector (1N) in the test harness N to the connector (AB20). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner (RH). <Ref. to SB-10, Front Seat Belt.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from test harness. 3) Disconnect connector (AB11) from side airbag module (RH). 4) Disconnect connectors (AB7) and (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB8). 6) Measure resistance between connector (3R) in the test harness R and connector (2N) in the test harness N. Connector & terminal (3R) No. 17 — (2N) No. 1: (3R) No. 19 — (2N) No. 2:	Is the resistance less than 10 Ω?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK SIDE AIRBAG HARNESS (RH). Measure resistance between connector (3R) terminals in the test harness R. Connector & terminal (3R) No. 17 — (3R) No. 19:	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the side airbag harness along with the body harness.
5 CHECK SIDE AIRBAG HARNESS (RH). Measure resistance between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 17 — Chassis ground: (3R) No. 19 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the side airbag harness along with the body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AG:DTC 62 BELT PRETENSIONER LH FAILURE

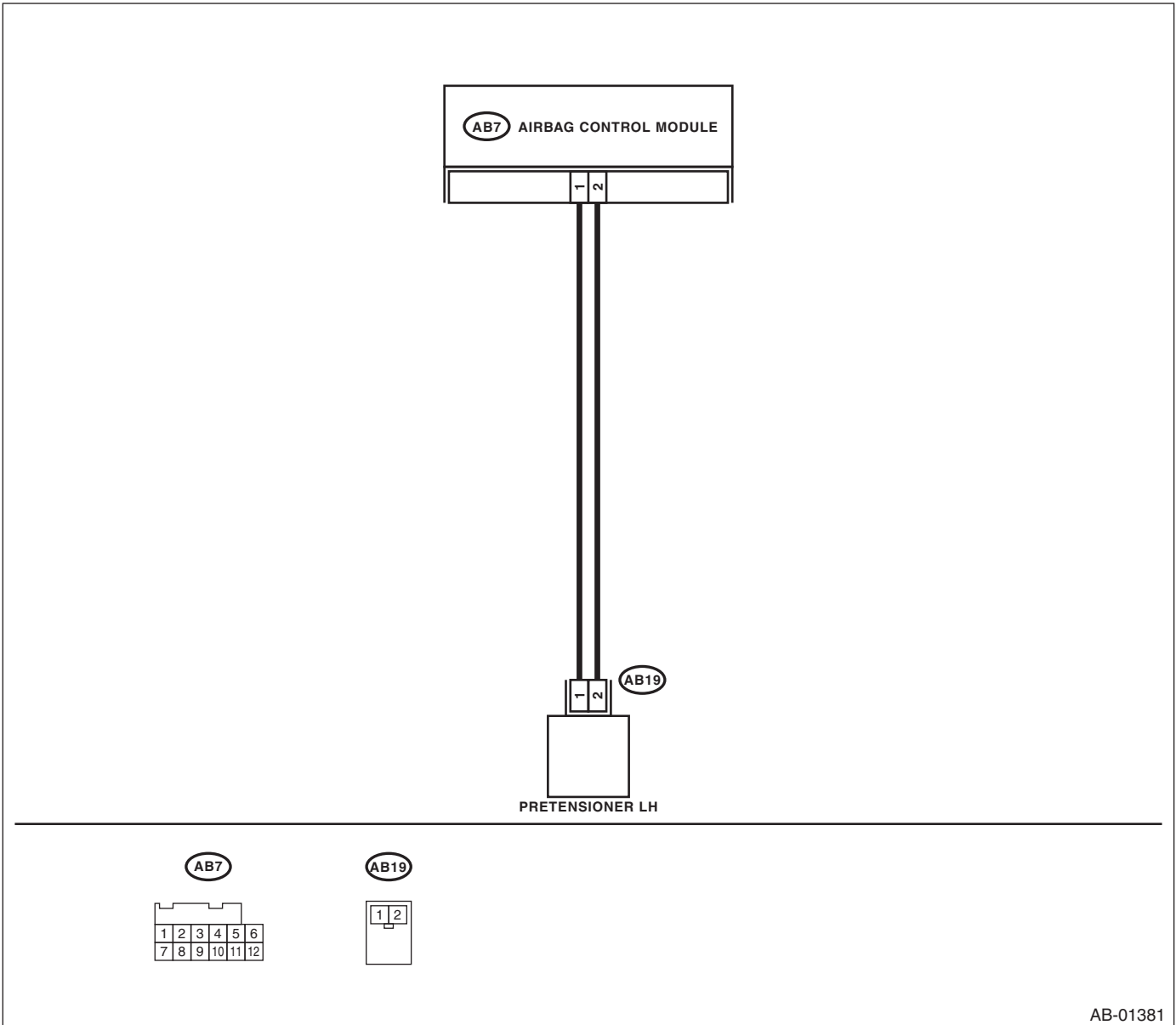
DTC DETECTING CONDITION:

- Seat belt pretensioner (LH) circuit is open, shorted, or ground shorted.
- Airbag control module is faulty.
- Pretensioner is faulty.
- Pretensioner harness is faulty.

CAUTION:

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

WIRING DIAGRAM:



AB-01381

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner (LH).	Is there poor contact?	Replace the side airbag harness (LH) along with body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB19) from seat belt pretensioner (LH). 3) Connect the connector (1N) in the test harness N to the connector (AB19). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner (LH). <Ref. to SB-10, Front Seat Belt.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from test harness. 3) Disconnect connector (AB9) from side airbag module (LH). 4) Disconnect connectors (AB7) and (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB7). 6) Measure resistance between connector (3R) in the test harness R and connector (2N) in the test harness N. Connector & terminal (3R) No. 11 — (2N) No. 1: (3R) No. 13 — (2N) No. 2:	Is the resistance less than 10 Ω?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK SIDE AIRBAG HARNESS (LH). Measure resistance between connector (3R) terminals in the test harness R. Connector & terminal (3R) No. 11 — (3R) No. 13:	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the side airbag harness along with the body harness.
5 CHECK SIDE AIRBAG HARNESS (LH). Measure resistance between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 11 — Chassis ground: (3R) No. 13 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the side airbag harness along with the body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AH:DTC 65 BELT PRETENSIONER RH FAILURE

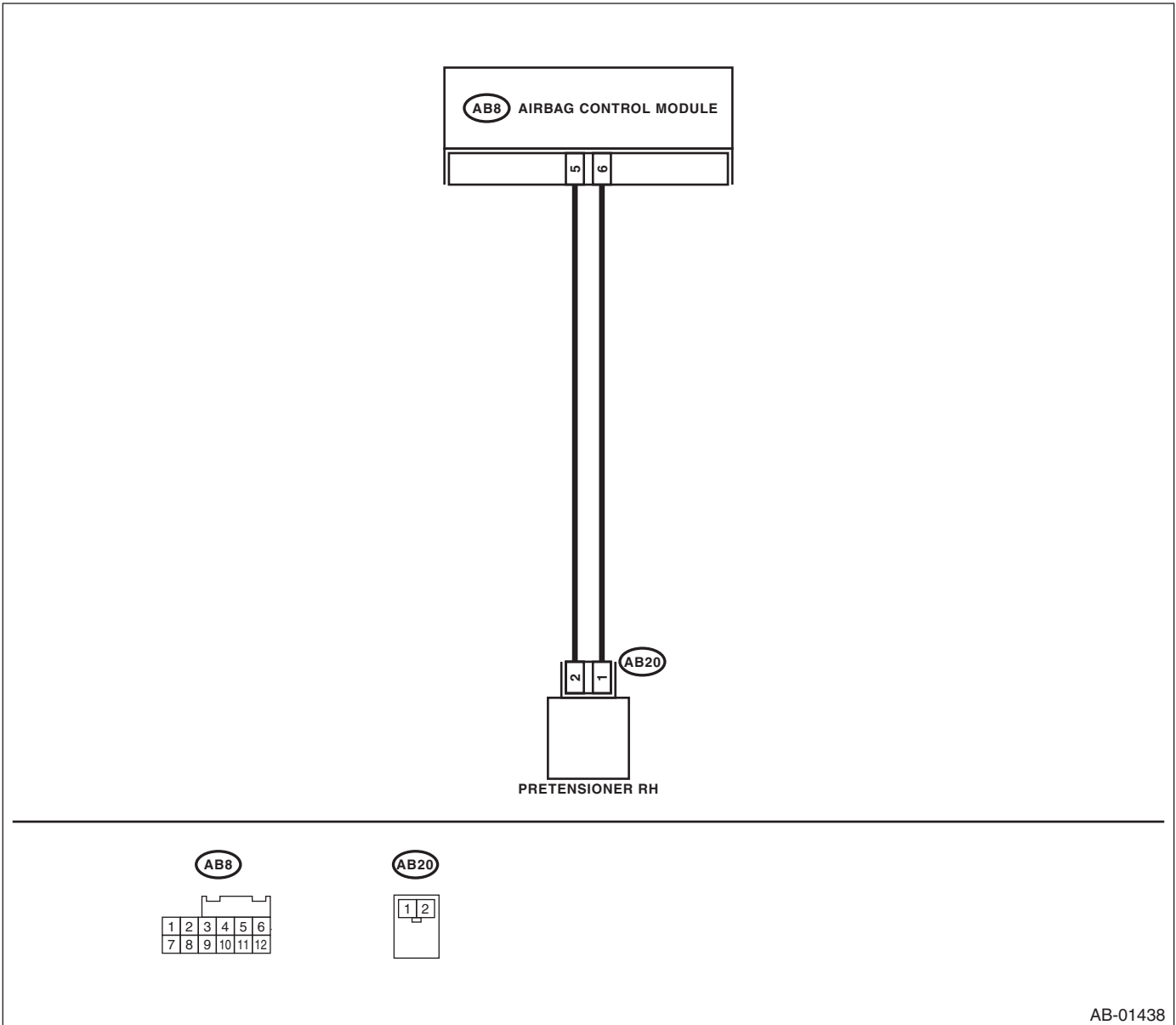
DTC DETECTING CONDITION:

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

CAUTION:

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

WIRING DIAGRAM:



AB-01438

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner (RH).	Is there poor contact?	Replace the side airbag harness (RH) along with the body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB20) from seat belt pretensioner (RH). 3) Connect connector (1N) in the test harness N to the connector (AB20). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner (RH). <Ref. to SB-10, Front Seat Belt.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from test harness. 3) Disconnect connector (AB11) from side airbag module (RH). 4) Disconnect connectors (AB7) and (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB8). 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Measure the voltage between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 17 (+) — Chassis ground (-): (3R) No. 19 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AI: DTC 66 BELT PRETENSIONER LH FAILURE

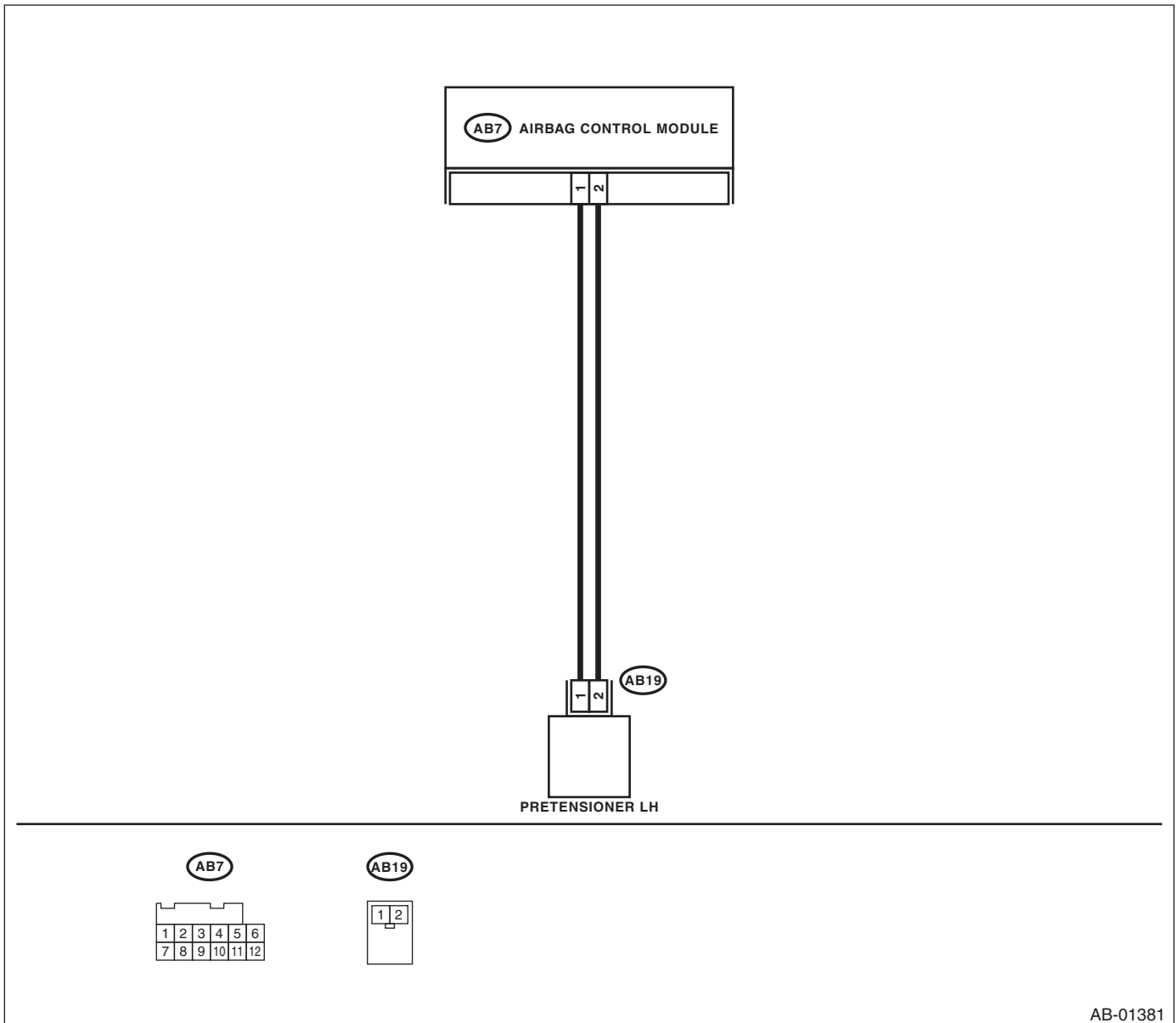
DTC DETECTING CONDITION:

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

CAUTION:

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

WIRING DIAGRAM:



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner (LH).	Is there poor contact?	Replace the side airbag harness (LH) along with body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect connector (AB19) from seat belt pretensioner (LH). 3) Connect the connector (1N) in the test harness N to the connector (AB19). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner (LH). <Ref. to SB-10, Front Seat Belt.>	Go to step 3.
3 CHECK SIDE AIRBAG HARNESS (LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from test harness. 3) Disconnect connector (AB9) from side airbag module (LH). 4) Disconnect connectors (AB7) and (AB8) from airbag control module. 5) Connect the connector (1R) in the test harness R to connector (AB7). 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Measure the voltage between connector (3R) in the test harness R and chassis ground. Connector & terminal (3R) No. 11 (+) — Chassis ground (-): (3R) No. 13 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the side airbag harness along with the body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AJ:DTC 71 DRIVER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

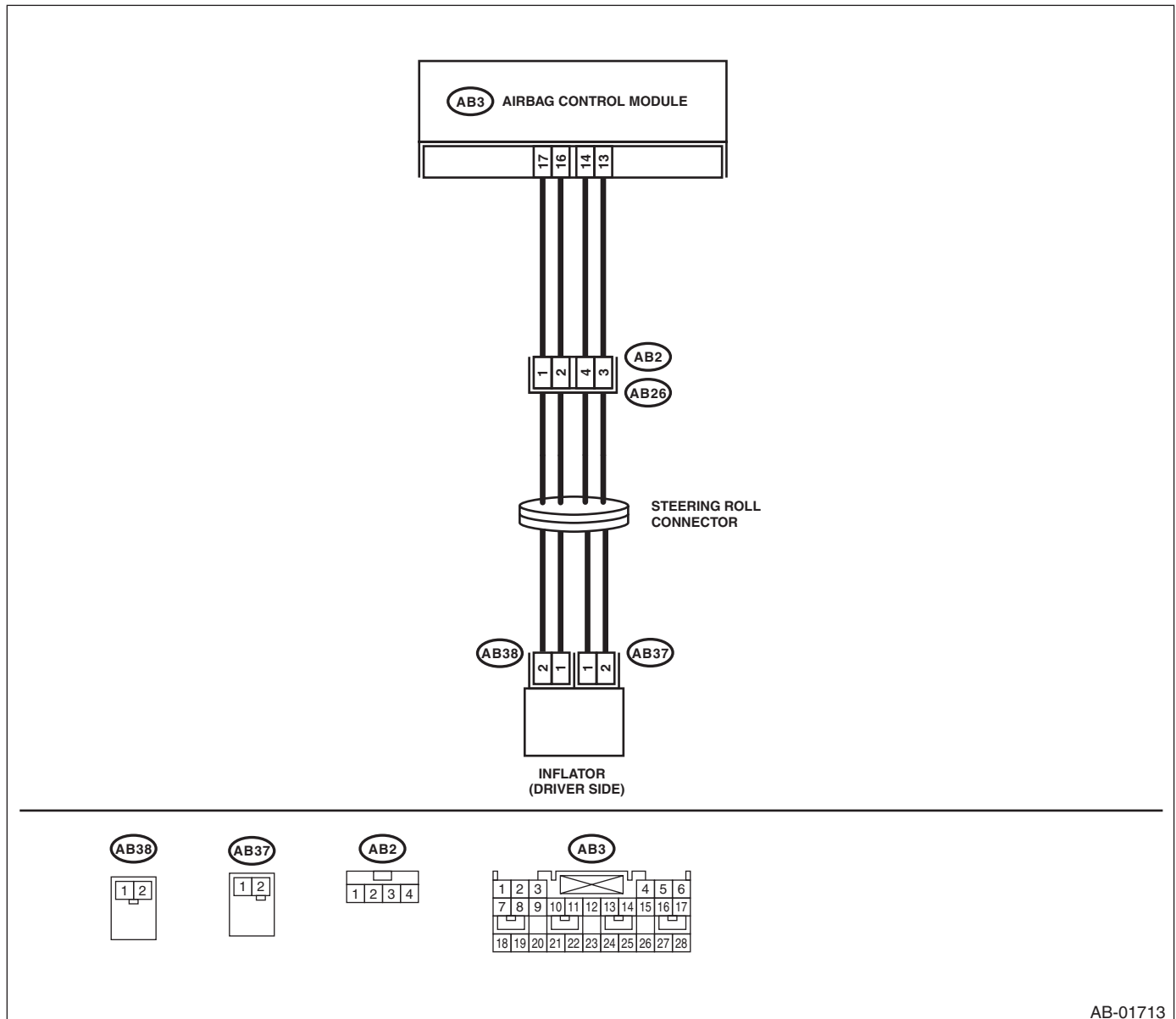
CAUTION:

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

NOTE:

Prior to starting work, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01713

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2 CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the driver's airbag module. <Ref. to AB-13, Driver's Airbag Module.>	Go to step 3.
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the test harness N from connector (AB38). 3) Disconnect the test harness Q from connector (AB37). 4) Remove the instrument panel lower cover and disconnect the connector (AB26) from (AB2). 5) Connect the connector (1P) in the test harness P to connector (AB2). 6) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the roll connector. <Ref. to AB-19, Roll Connector.>	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel side cover on the passenger's side and disconnect connectors (AB4) and (AB27). 4) Disconnect connector (AB3) from airbag control module, and connect connector (1R) in the test harness U. 5) Measure the resistance between connector (2R) in the test harness R and connectors (2P) and (3P) in the test harness P. Connector & terminal (2R) No. 2 — (2P) No. 1: (2R) No. 4 — (2P) No. 2: (2R) No. 8 — (3P) No. 3: (2R) No. 12 — (3P) No. 4:	Is the resistance less than 10 Ω ?	Go to step 5.	Replace the airbag main harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). Measure the resistance between connector (2R) terminals in the test harness R, and between connector (2R) and chassis ground. <i>Connector & terminal</i> <i>(2R) No. 2 — (2R) No. 4:</i> <i>(2R) No. 4 — Chassis ground:</i> <i>(2R) No. 2 — Chassis ground:</i> <i>(2R) No. 8 — (2R) No. 12:</i> <i>(2R) No. 8 — Chassis ground:</i> <i>(2R) No. 12 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 6.	Replace the airbag main harness along with body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 7.
7 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AK:DTC 72 PASSENGER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

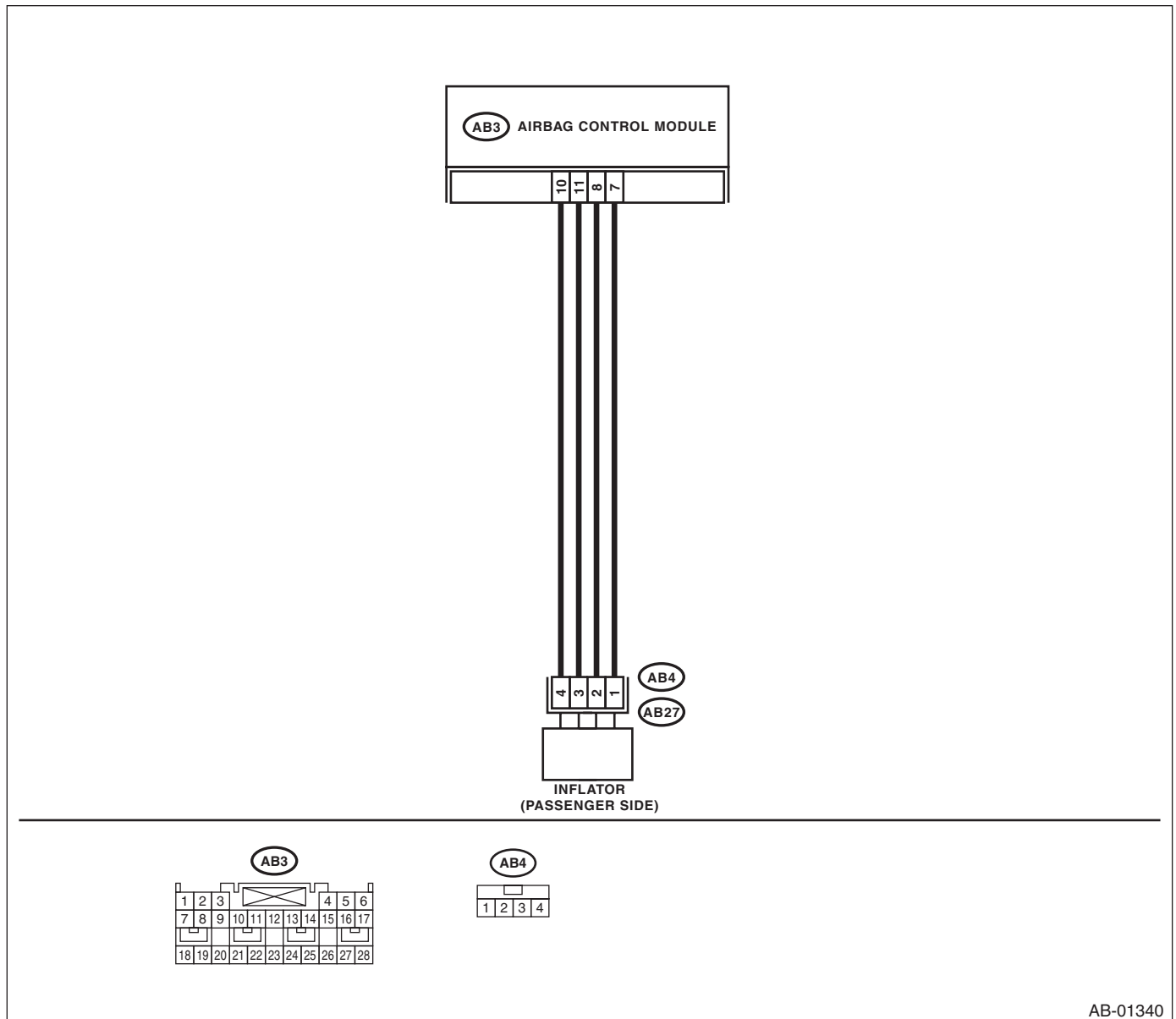
CAUTION:

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

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01340

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the passenger's airbag module.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait 20 seconds or more. 2) Remove the glove box. 3) Disconnect passenger's airbag module connector from (AB4). 4) Connect the connector (1P) in the test harness P to connector (AB4). 5) Connect two airbag resistors to connectors (2P) and (3P) of test harness P. 6) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the passenger's airbag module. <Ref. to AB-14, Passenger's Airbag Module.>	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait 20 seconds or more. 2) Disconnect two airbag resistors from connectors (2P) and (3P) of test harness P. 3) Remove the lower cover and disconnect connector (AB26) from (AB2). 4) Disconnect connector (AB3) from airbag control module, and connect the test harness R to connector (1R). 5) Measure the resistance between connector (2R) in the test harness R and connectors (2P) and (3P) in the test harness P. Connector & terminal <i>(2R) No. 9 — (3P) No. 3:</i> <i>(2R) No. 13 — (3P) No. 4:</i> <i>(2R) No. 3 — (2P) No. 1:</i> <i>(2R) No. 5 — (2P) No. 2:</i>	Is the resistance less than 10 Ω?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG MAIN HARNESS. Measure the resistance of connector (2R) in the test harness R. Connector & terminal <i>(2R) No. 9 — (2R) No. 13:</i> <i>(2R) No. 9 — Chassis ground:</i> <i>(2R) No. 13 — Chassis ground:</i> <i>(2R) No. 3 — (2R) No. 5:</i> <i>(2R) No. 3 — Chassis ground:</i> <i>(2R) No. 5 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 5.	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AL:DTC 75 DRIVER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

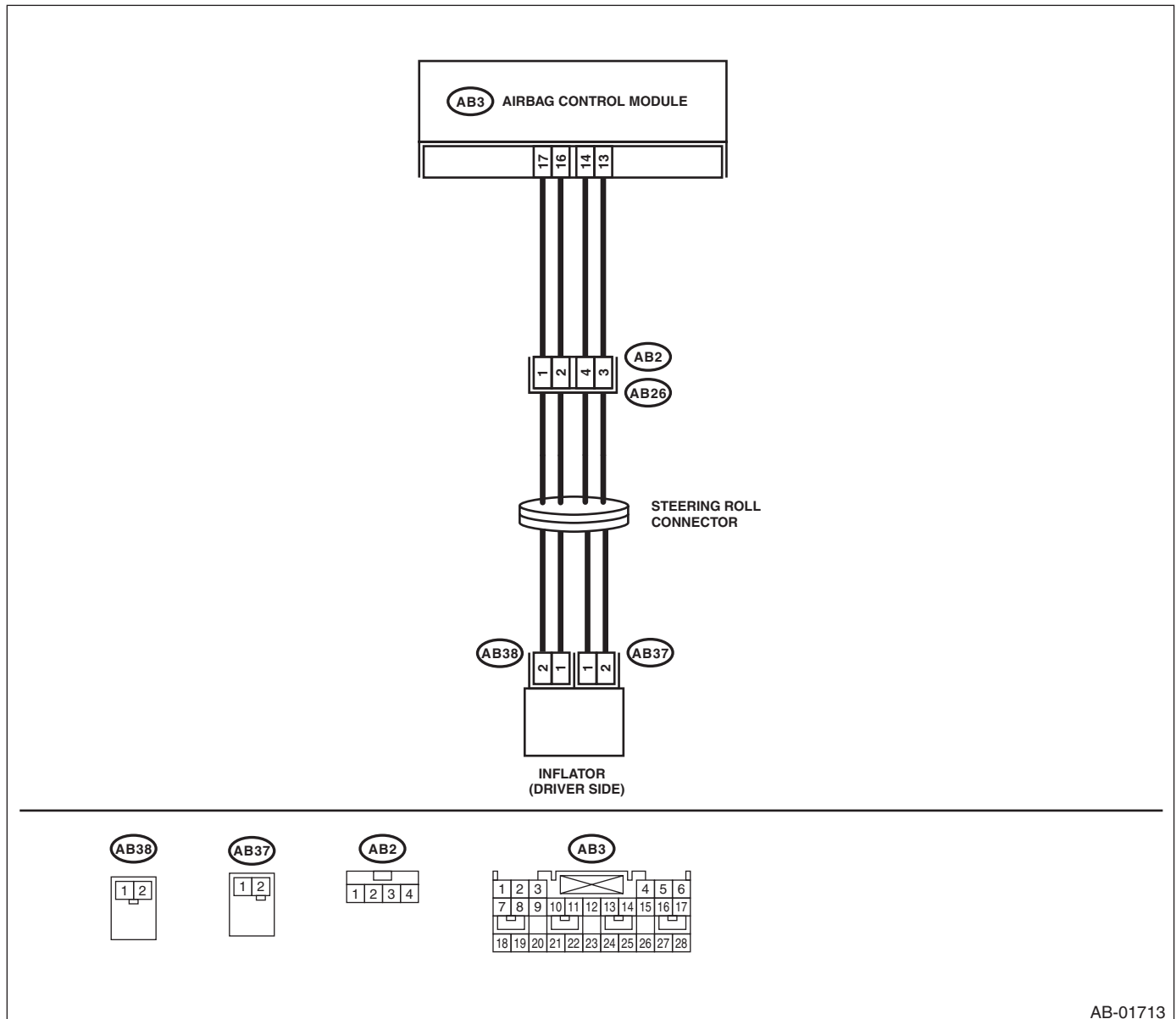
CAUTION:

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

NOTE:

Prior to starting work, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01713

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the driver's airbag module.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2 CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (AB38) to the connector (1N) in the test harness N. 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the driver's airbag module. <Ref. to AB-13, Driver's Airbag Module.>	Go to step 3.
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the test harness N from connector (AB38). 3) Disconnect the test harness Q from connector (AB37). 4) Remove the instrument panel lower cover and disconnect the connector (AB26) from (AB2). 5) Connect the connector (1P) in the test harness P to connector (AB2). 6) Connect the airbag resistor to the connectors (2P) and (3P) of test harness P. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the roll connector. <Ref. to AB-19, Roll Connector.>	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 20 seconds or more. 2) Disconnect the airbag resistor from the connectors (2P) and (3P) of test harness P. 3) Remove the instrument panel side cover on the passenger's side and disconnect connectors (AB4) and (AB27). 4) Disconnect the connector (AB6) from airbag control module, and connect the connector (1R) in the test harness R. 5) Connect the battery ground terminal and turn the ignition switch to ON. (engine OFF) 6) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal (2R) No. 4 (+) — Chassis ground (-): (2R) No. 2 (+) — Chassis ground (-): (2R) No. 8 (+) — Chassis ground (-): (2R) No. 12 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 5.	Replace the airbag main harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 6.
6 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AM:DTC 76 PASSENGER'S AIRBAG FAILURE

DTC DETECTING CONDITION:

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

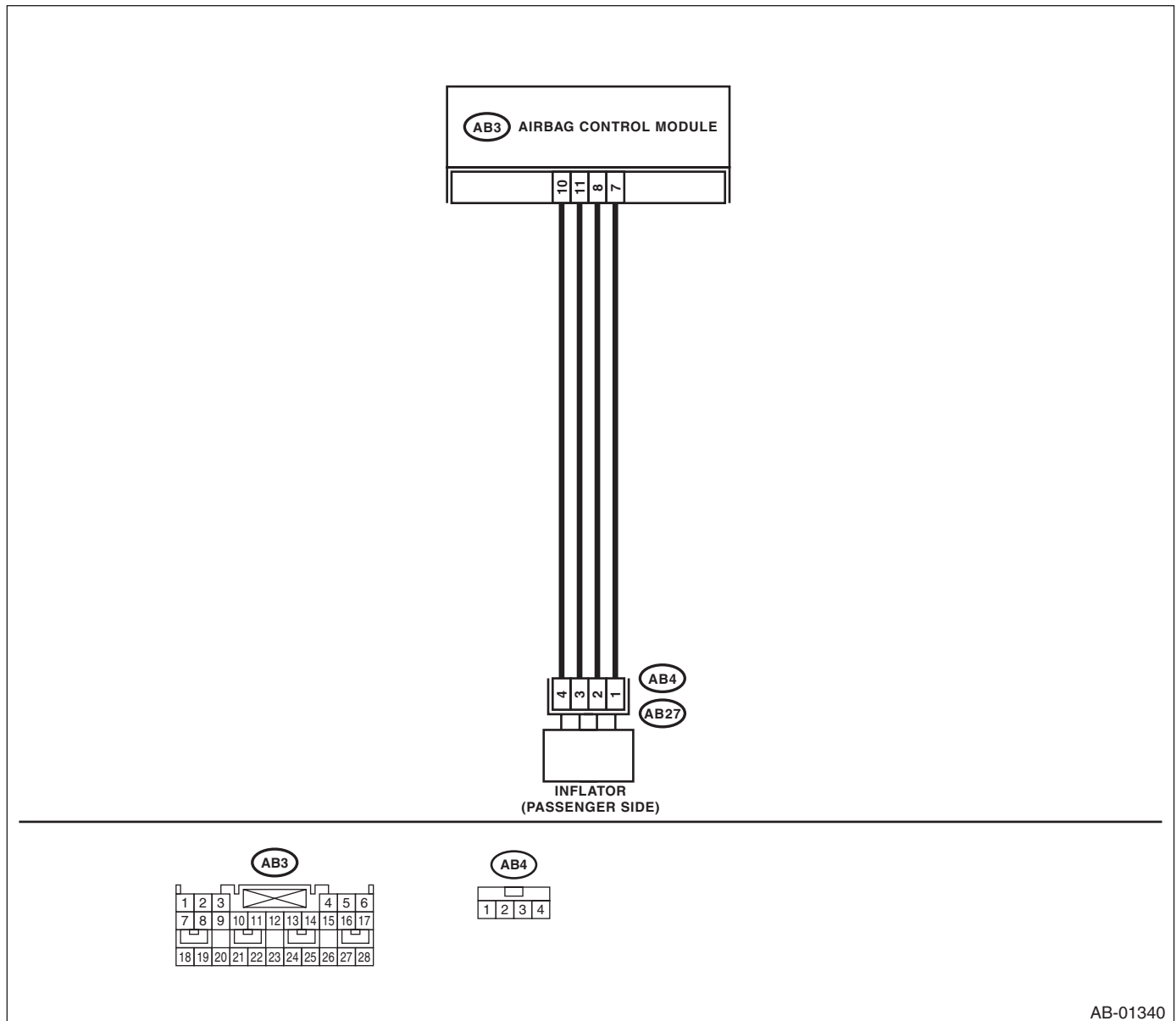
CAUTION:

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

NOTE:

Prior to starting diagnosis, prepare two airbag resistors (98299PA040).

WIRING DIAGRAM:



AB-01340

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the passenger's airbag module.	Is there poor contact?	Replace the airbag main harness along with body harness.	Go to step 2.
2 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait 20 seconds or more. 2) Remove the glove box. 3) Disconnect connector (AB4) from passenger's airbag module. 4) Connect the connector (1P) in the test harness P to connector (AB4). 5) Connect two airbag resistors to connectors (2P) and (3P) of test harness P. 6) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the passenger's airbag module. <Ref. to AB-14, Passenger's Airbag Module.>	Go to step 3.
3 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait 20 seconds or more. 2) Disconnect two airbag resistors from connectors (2P) and (3P) of test harness P. 3) Remove the lower cover and disconnect connector (AB2) from (AB26). 4) Disconnect connector (AB3) from airbag control module, and connect the test harness R to connector (1R). 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Measure the voltage between connector (2R) in the test harness R and chassis ground. Connector & terminal <i>(2R) No. 9 (+) — Chassis ground (-):</i> <i>(2R) No. 13 (+) — Chassis ground (-):</i> <i>(2R) No. 5 (+) — Chassis ground (-):</i> <i>(2R) No. 3 (+) — Chassis ground (-):</i>	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Erase the memory. 3) Perform the Inspection Mode. 4) Read the DTC.	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-17, Airbag Control Module.>	Go to step 5.
5 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-43, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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