

AIRBAG SYSTEM

AB

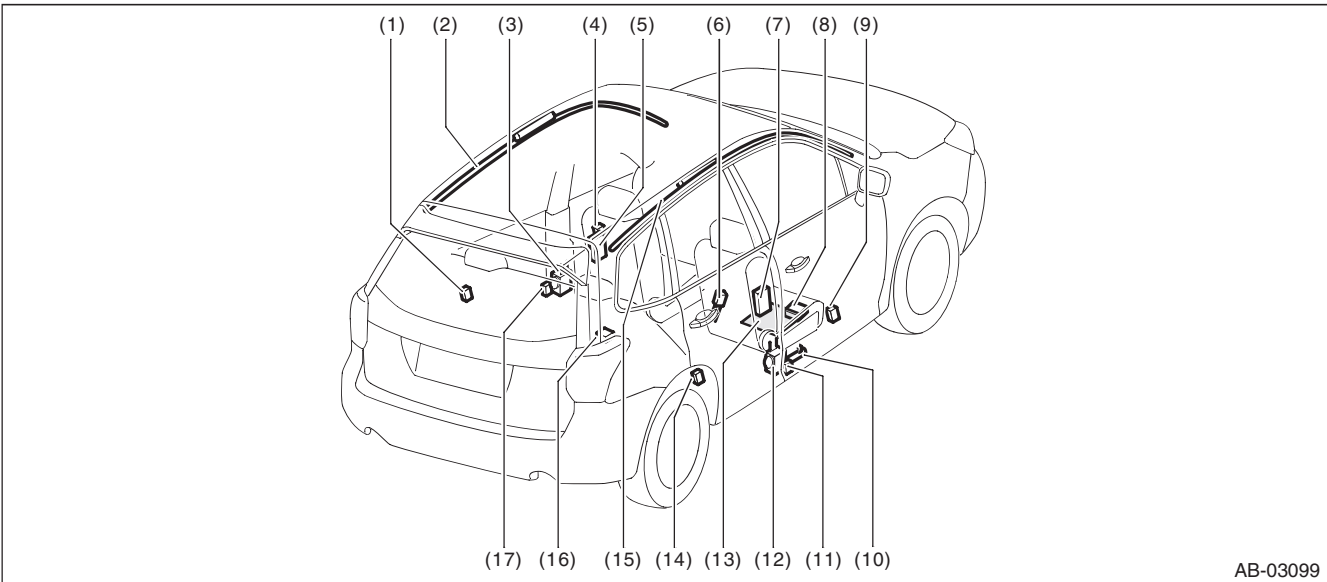
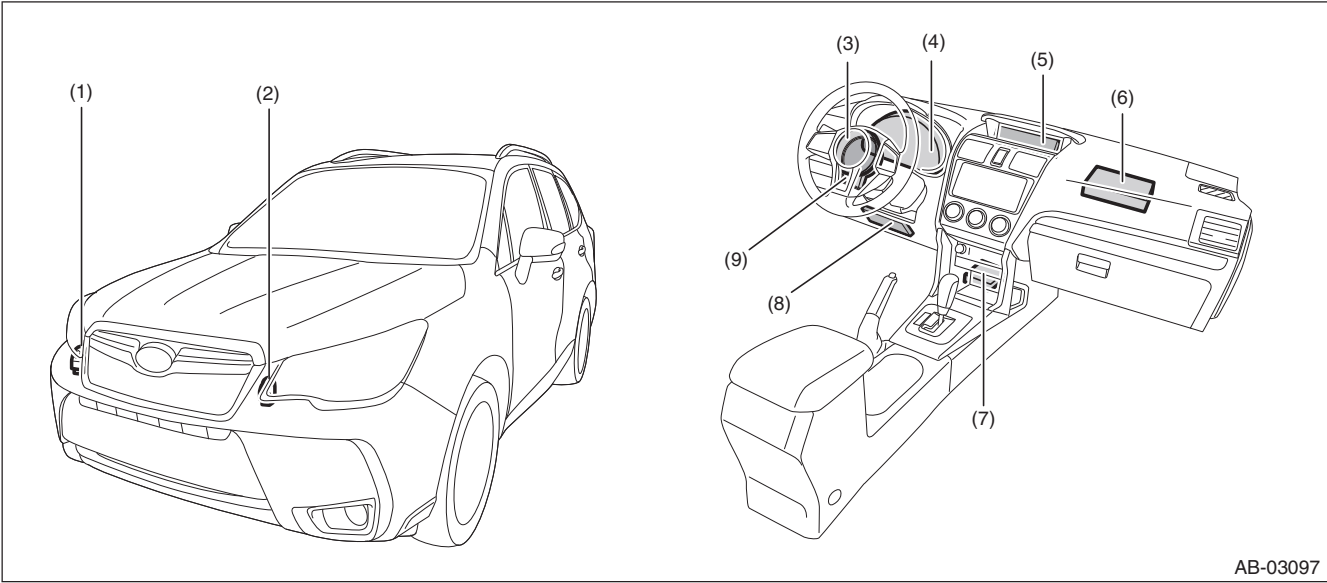
	Page
1. General Description	2
2. Airbag Connector	18
3. Inspection Locations after a Collision	29
4. Driver's Airbag Module	37
5. Knee Airbag Module	39
6. Passenger's Airbag Module	42
7. Side Airbag Module	63
8. Curtain Airbag Module	73
9. Airbag Control Module	75
10. Front Sub Sensor	80
11. Front Door Impact Sensor	83
12. Side Airbag Sensor	86
13. Curtain Airbag Sensor	92
14. Satellite Safing Sensor	96
15. Roll Connector	98

General Description

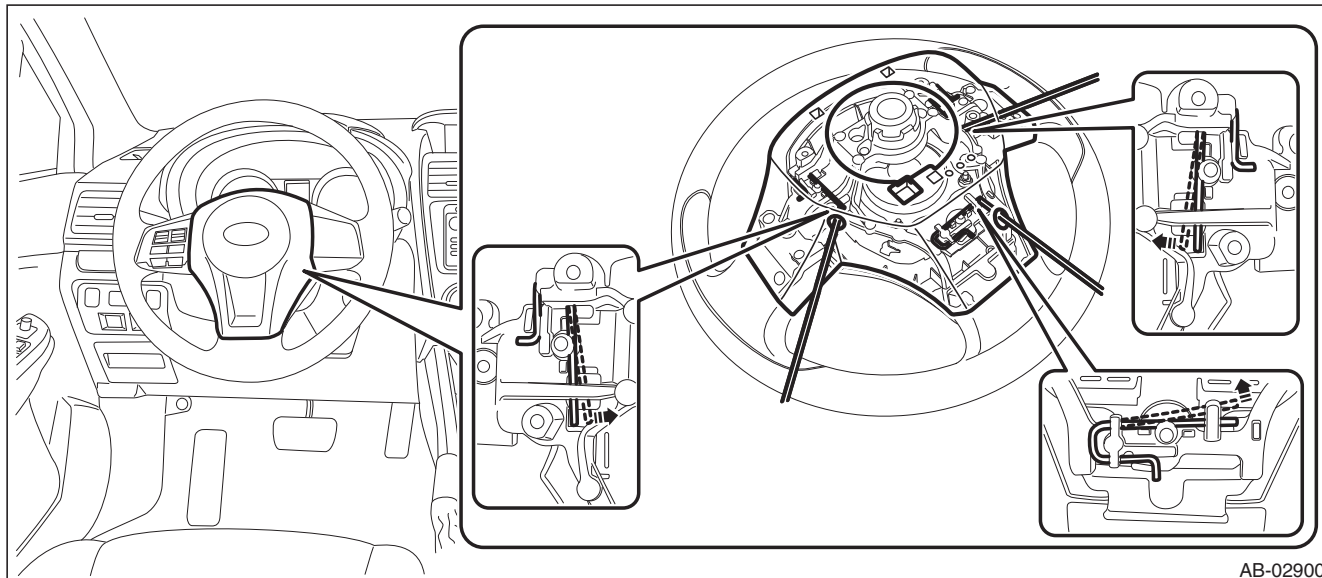
AIRBAG SYSTEM

1. General Description

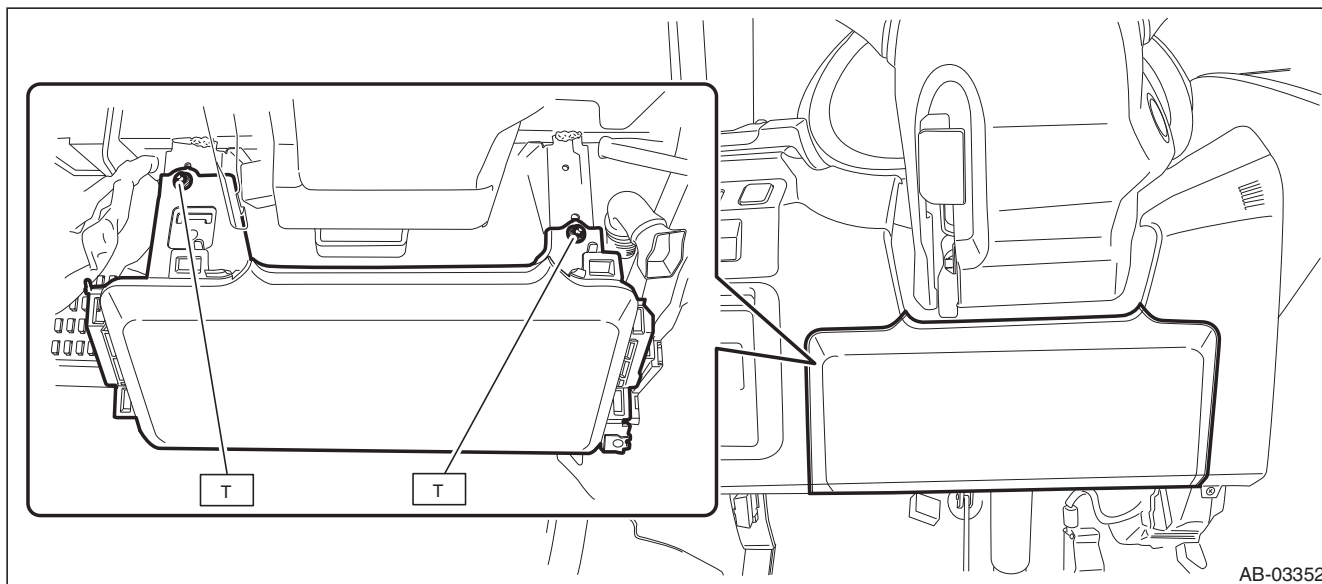
A: COMPONENT



1. DRIVER'S AIRBAG MODULE



2. KNEE AIRBAG MODULE

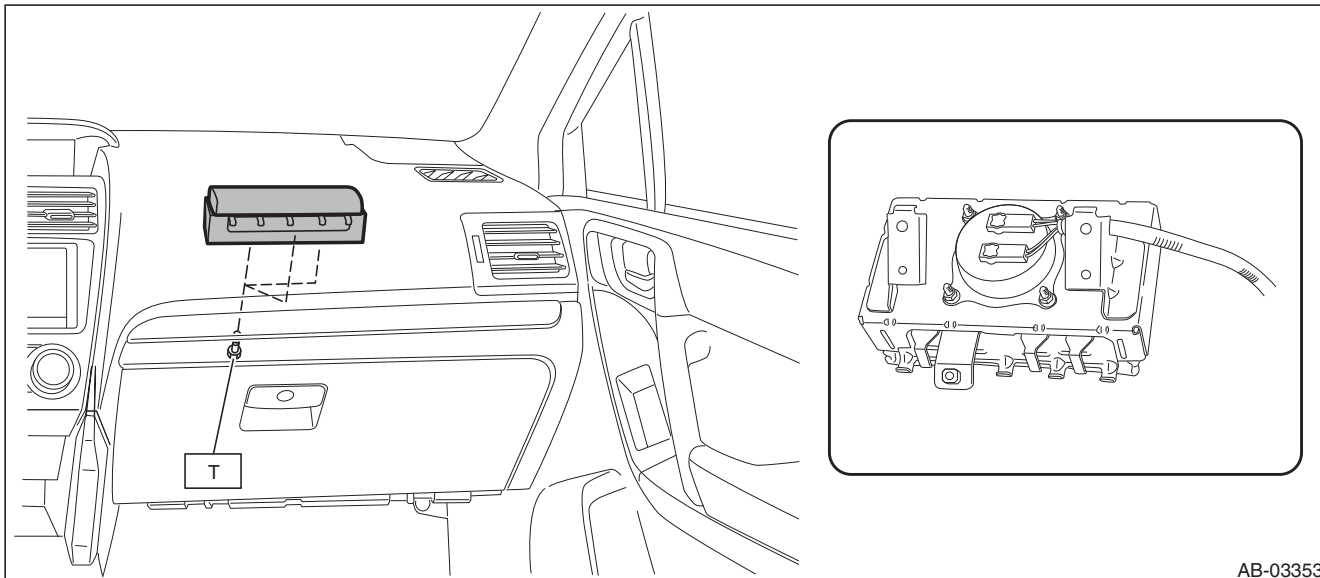


Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

General Description

AIRBAG SYSTEM

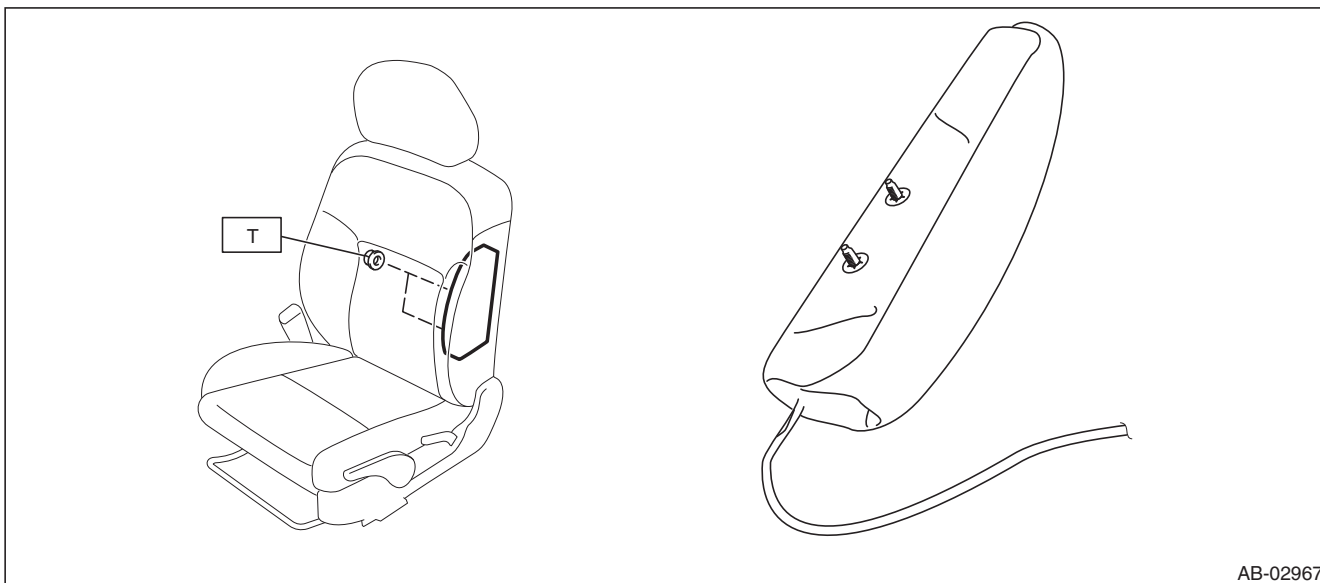
3. PASSENGER'S AIRBAG MODULE



AB-03353

Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

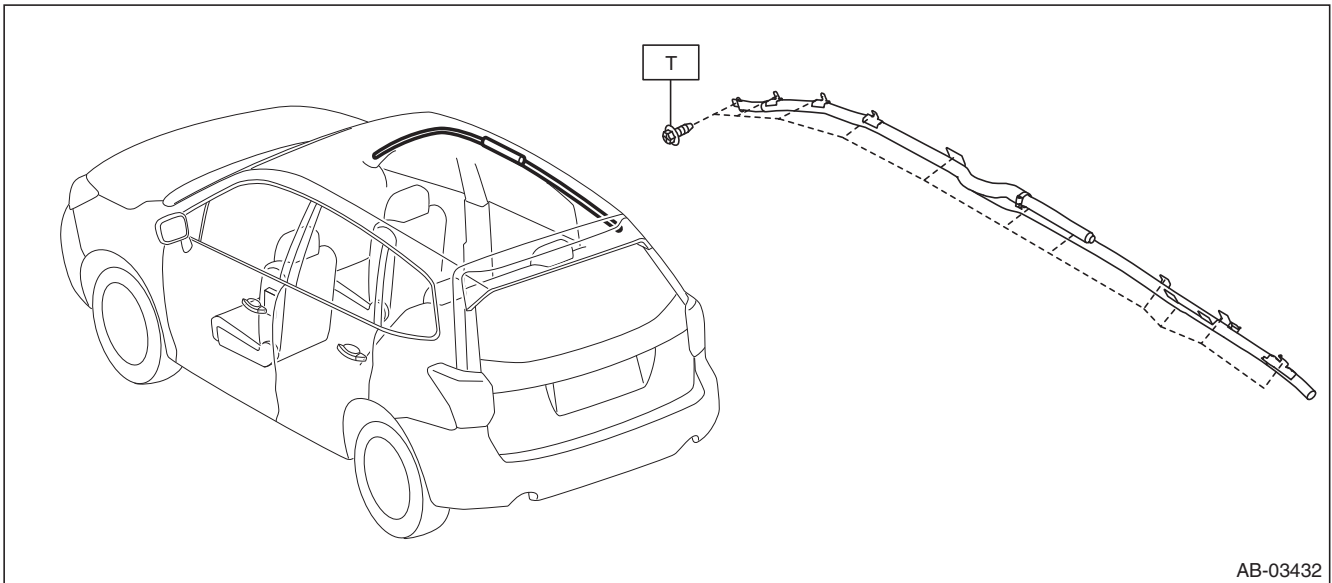
4. SIDE AIRBAG MODULE



AB-02967

Tightening torque:
6 N·m (0.61 kgf-m, 4.4 ft-lb)

5. CURTAIN AIRBAG MODULE

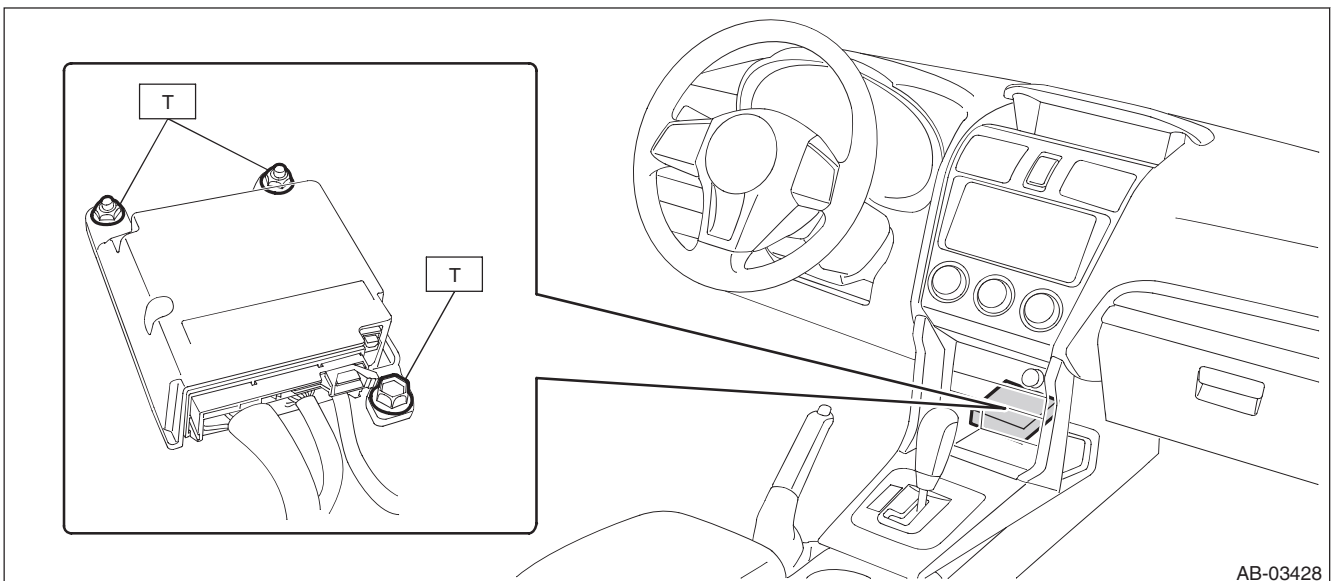


AB-03432

Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

6. AIRBAG CONTROL MODULE

CAUTION:
Do not reuse mounting bolts and nuts.



AB-03428

Tightening torque:
25 N·m (2.55 kgf-m, 18.4 ft-lb)

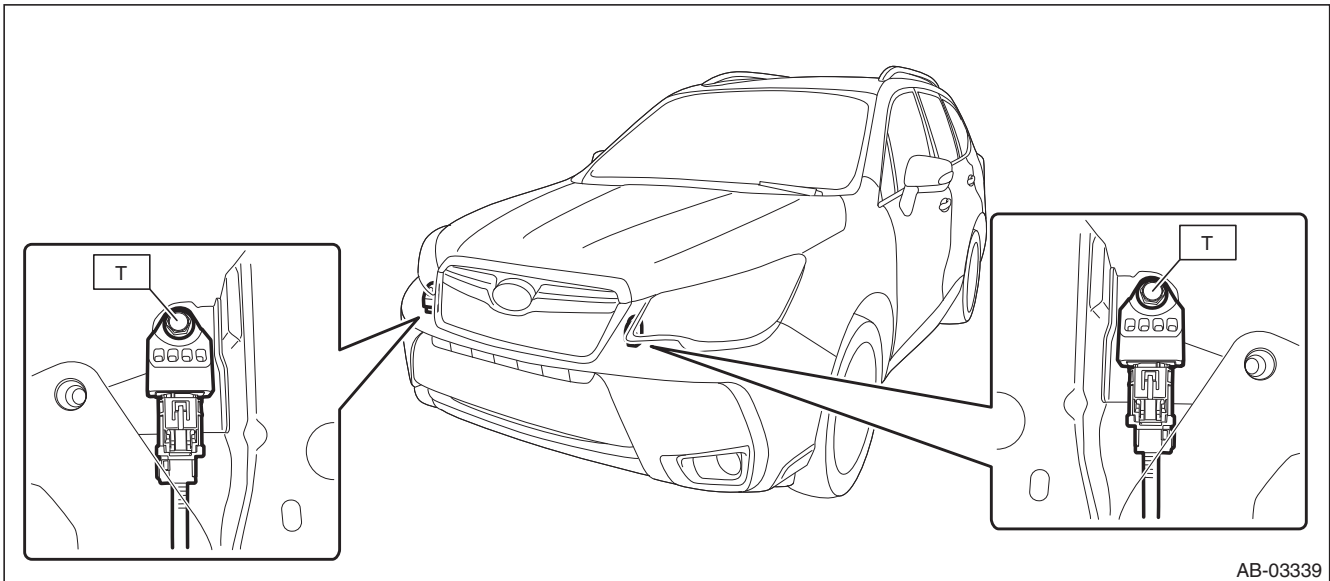
General Description

AIRBAG SYSTEM

7. FRONT SUB SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



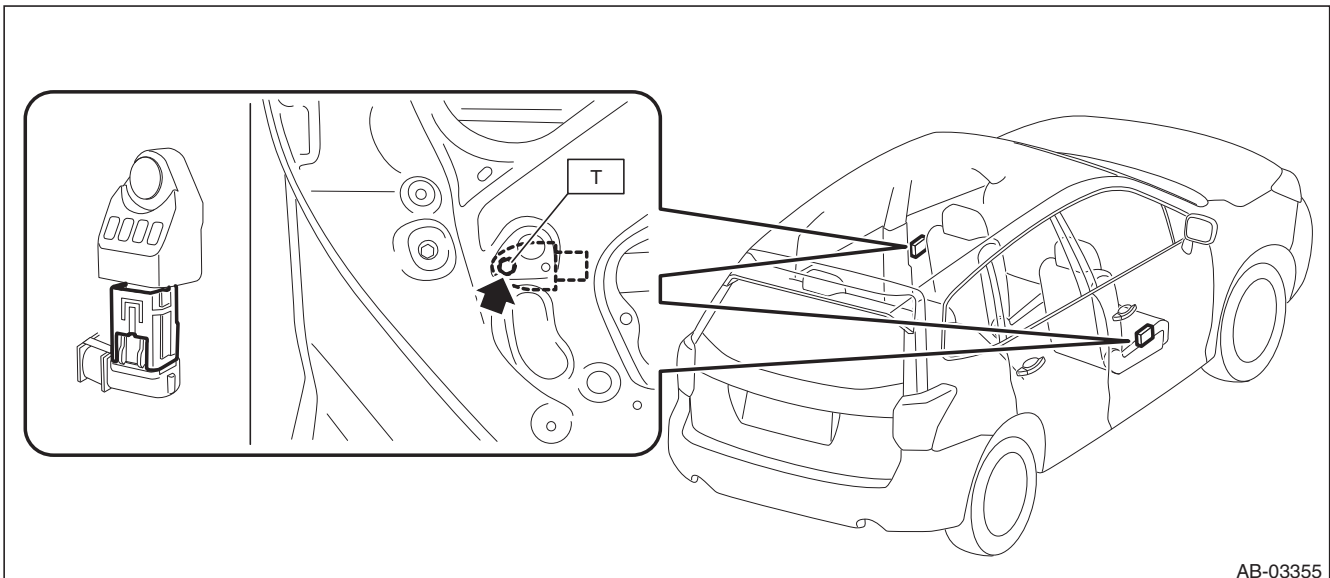
Tightening torque:

13 N·m (1.33 kgf-m, 9.6 ft-lb)

8. FRONT DOOR IMPACT SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



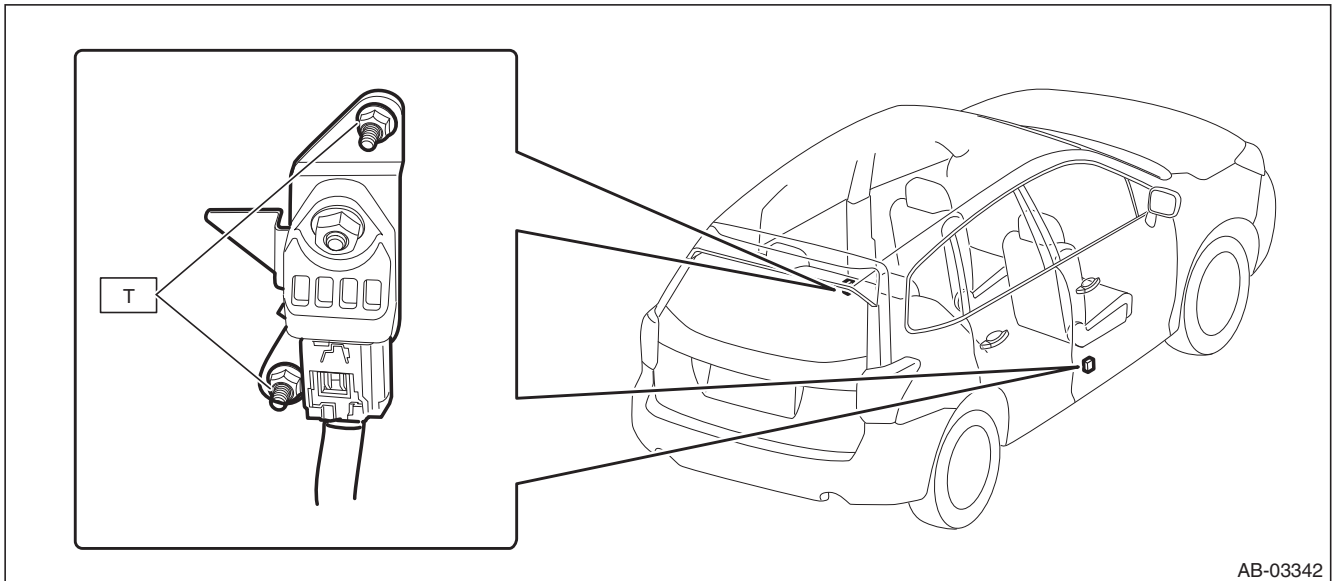
Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

9. SIDE AIRBAG SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



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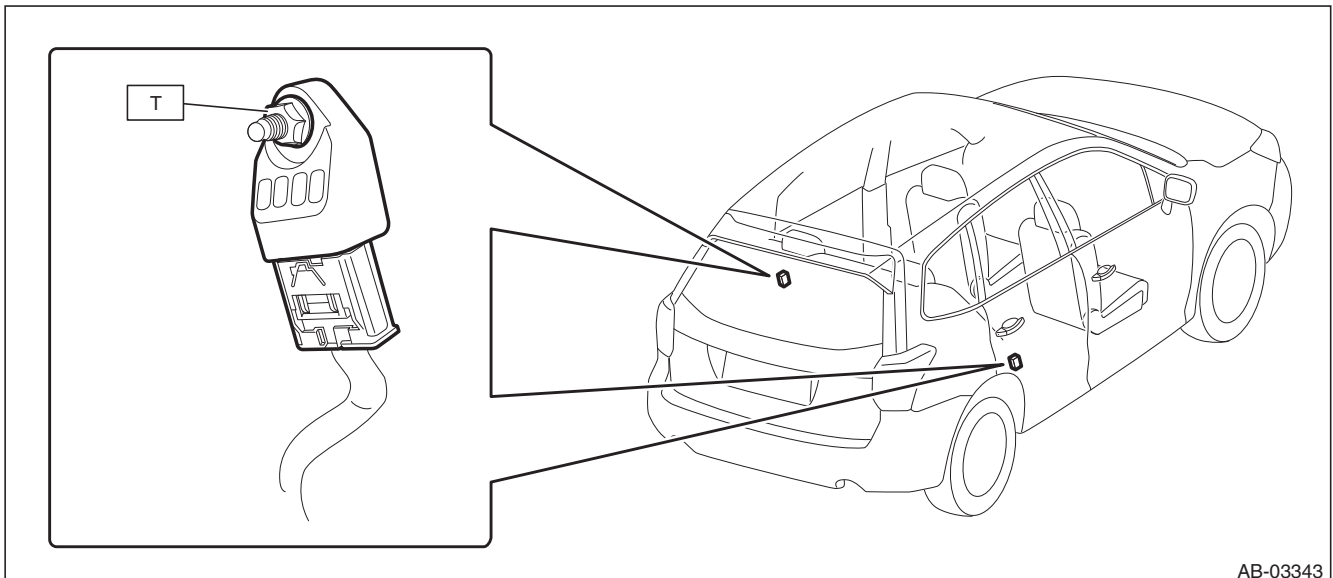
Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

10. CURTAIN AIRBAG SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



AB-03343

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

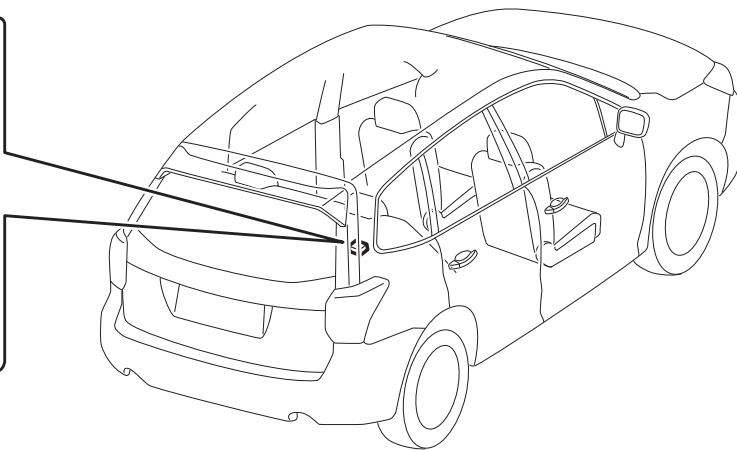
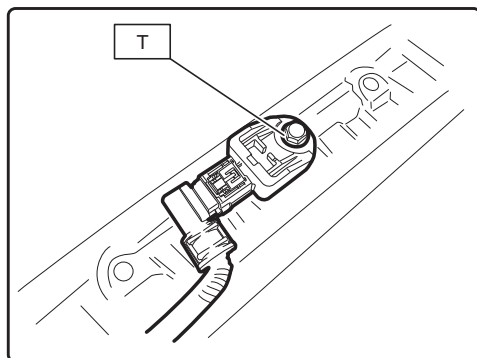
General Description

AIRBAG SYSTEM

11.SATELLITE SAFING SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.

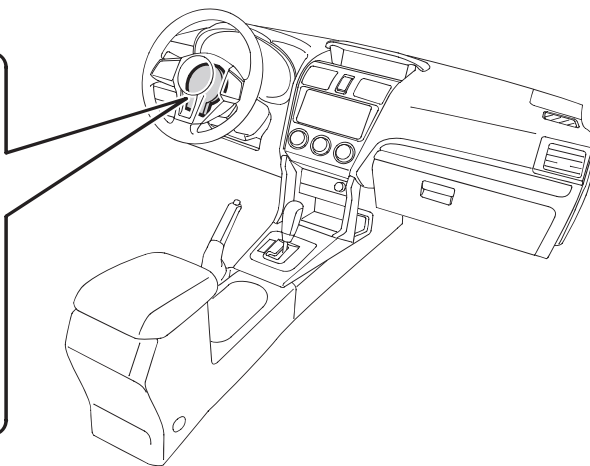
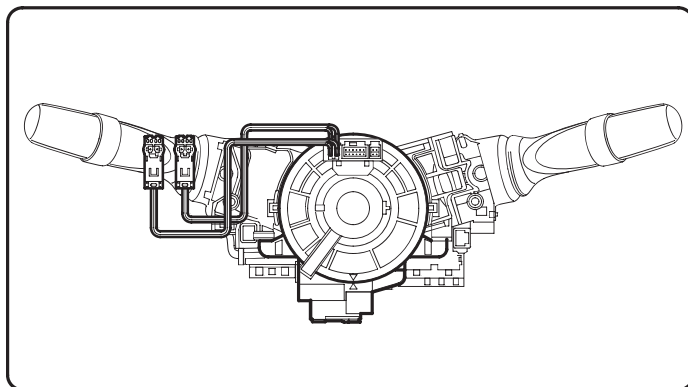


AB-03344

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

12.STEERING ROLL CONNECTOR

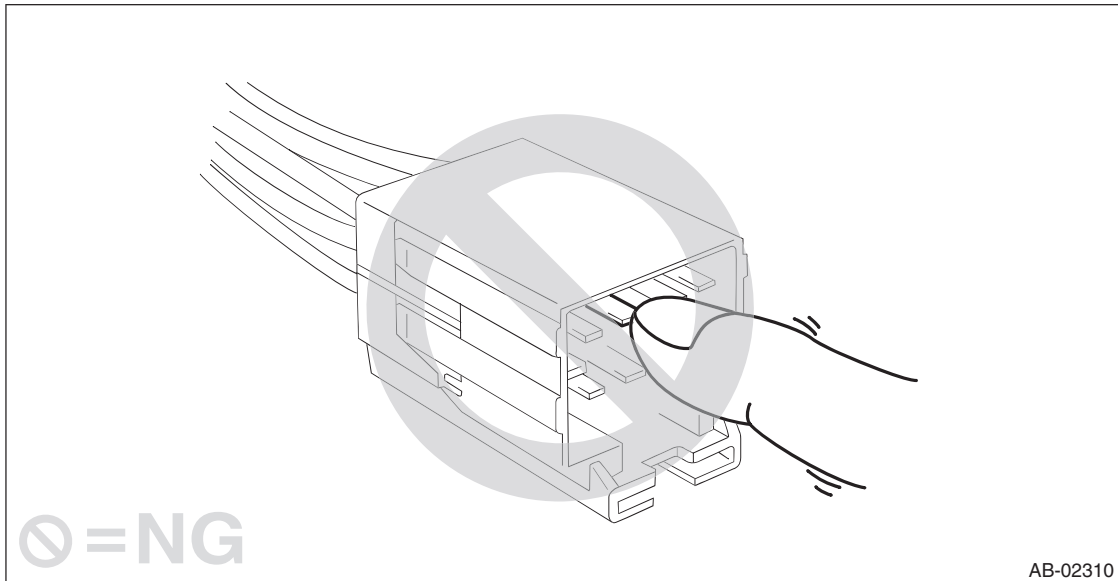


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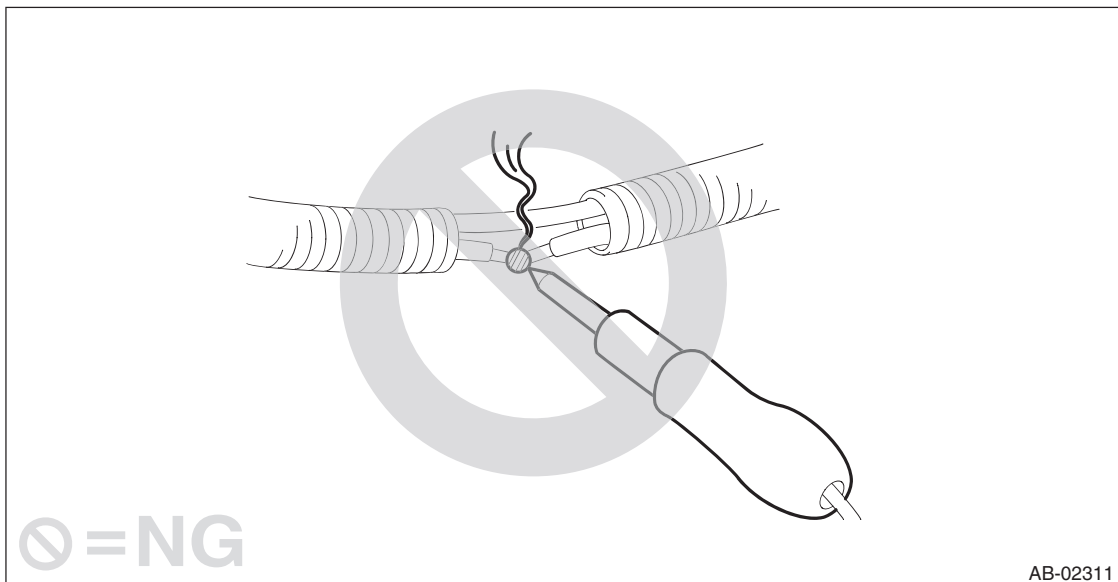
B: CAUTION

1. BEFORE STARTING ALL WORKS

- The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds or more before starting the service of airbag system.
- When servicing a vehicle, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- If the airbag warning light illuminates, check or repair the vehicle immediately to prevent it from airbag system malfunction.
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.



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

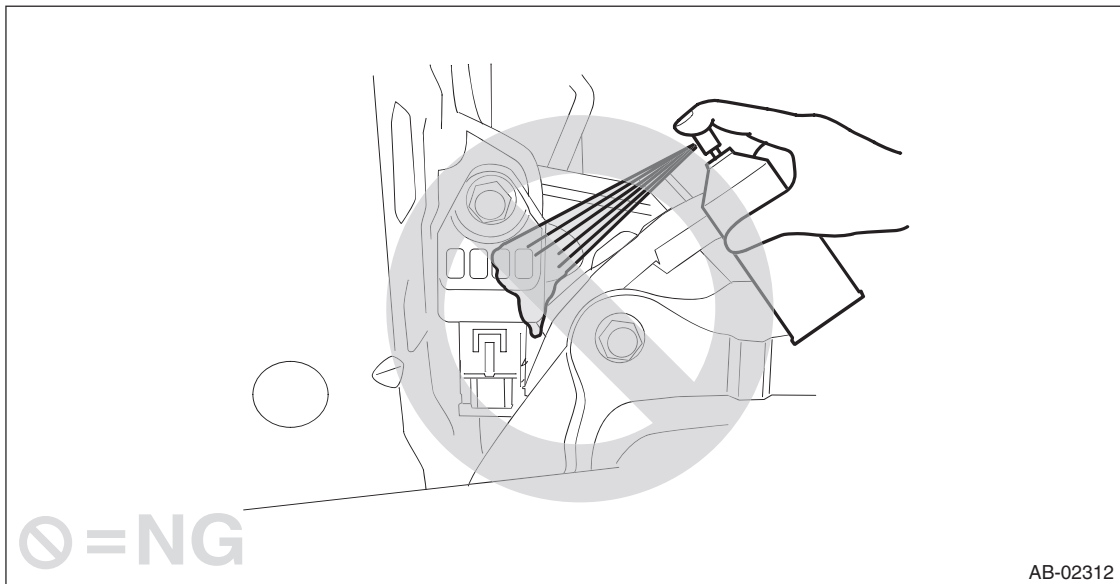


- When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender and radiator panel side, remove the front sub sensors and wiring harness of airbag system.

General Description

AIRBAG SYSTEM

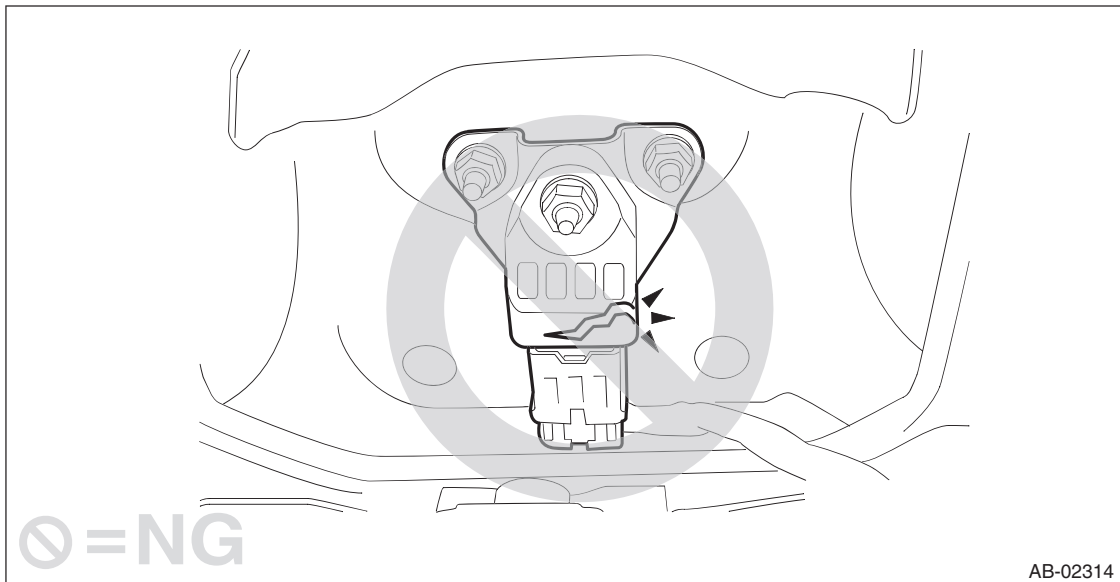
- When painting or performing sheet metal work on the side of the vehicle, including the side sill, center pillar and front and rear doors, remove the front door impact sensor, side airbag sensors, curtain airbag sensor, satellite safing sensor and wiring harness of the airbag system.



- When attaching the steering wheel and steering roll connector, be sure to adjust the steering roll connector.

2. BEFORE STARTING PARTS REPLACEMENT

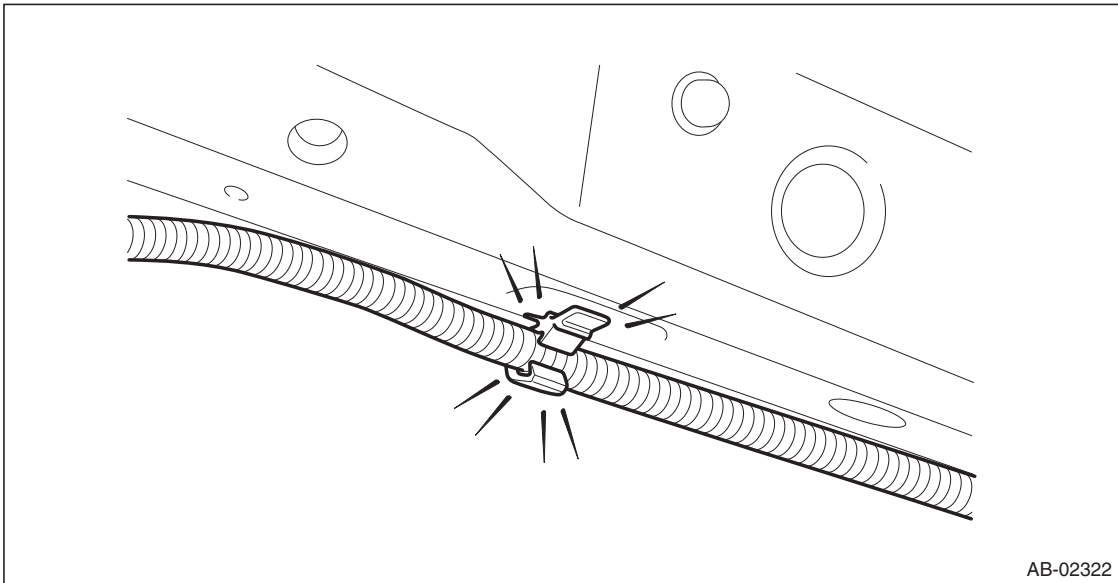
- If airbag sensors, airbag module, airbag control module, pretensioners, harnesses, or the cover - satellite safing are deformed or damaged, replace with new parts.



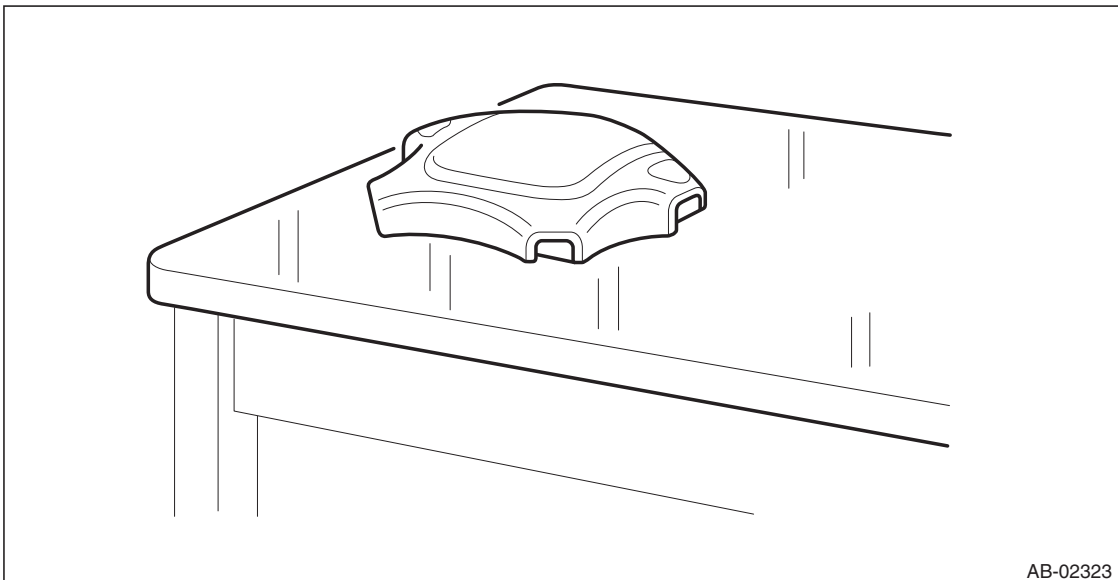
General Description

AIRBAG SYSTEM

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



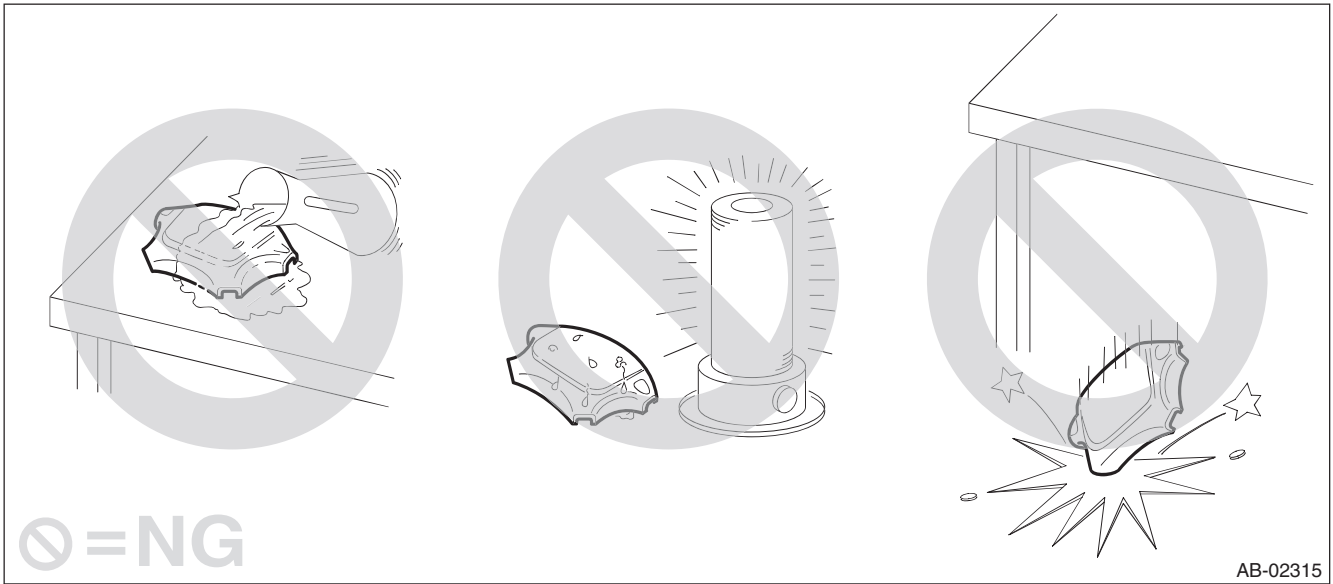
- Do not use the airbag or pretensioner parts from other vehicles. Always replace the defective parts with new parts.
- Never reuse any activated airbag module and pretensioner.
- Do not discard undeployed airbag or pretensioner.
- When airbag control module, front sub sensor, front door impact sensor, side airbag sensor, curtain airbag sensor and satellite safing sensor are removed, do not reuse the bolts and nuts of them. Always replace with the specified new bolts and nuts.
- When attaching the steering wheel and steering roll connector, be sure to adjust the steering roll connector.
- After removing each parts of the airbag system, keep them with the pad side facing upward on a dry, clean and flat surface away from heat, light sources, moisture and dust.



General Description

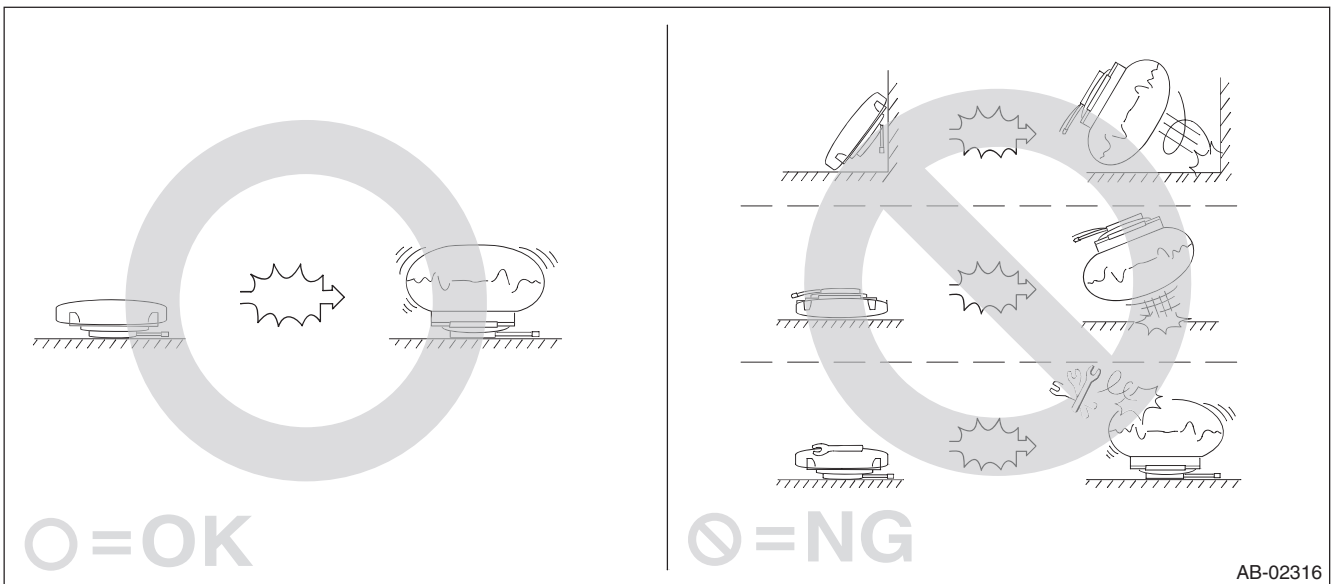
AIRBAG SYSTEM

- Do not drop any airbag component, store them under high temperature of 85°C (185°F) or more, or let water, oil or grease get on them; the internal parts may be damaged or the reliability may be greatly lowered.



- When storing a removed airbag module, do not place it with the pad side facing downward. Do not place any objects on the airbag module. Do not pile up the airbag module. If the pad of the airbag module is in contact with other objects, it may cause a serious accident if the airbag accidentally operates.

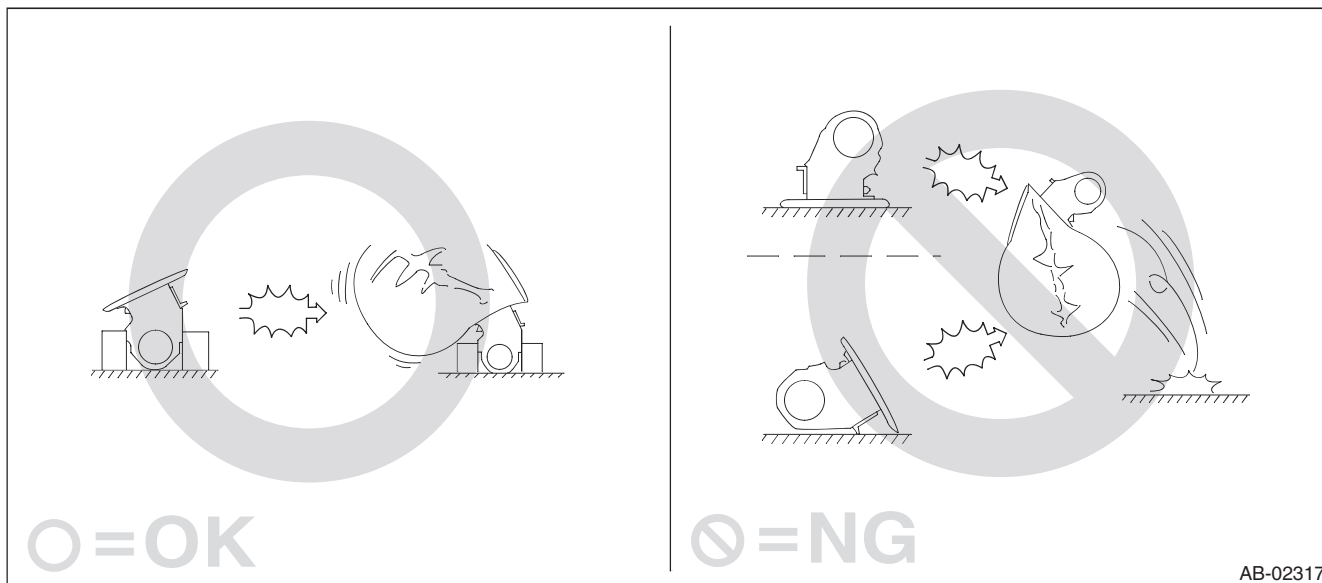
- Driver's airbag module



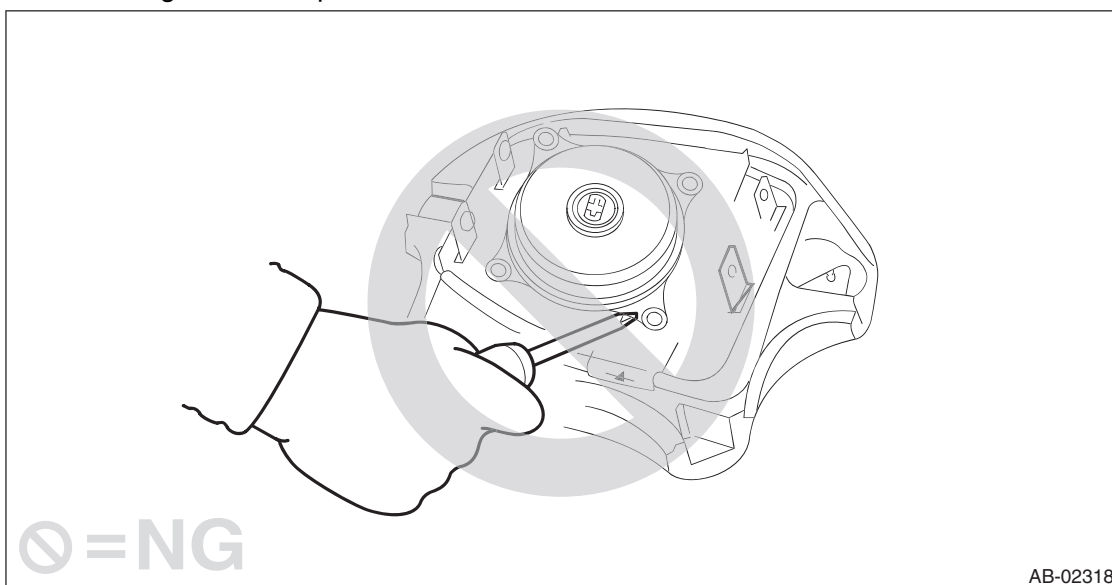
General Description

AIRBAG SYSTEM

- Passenger's airbag module and side airbag module



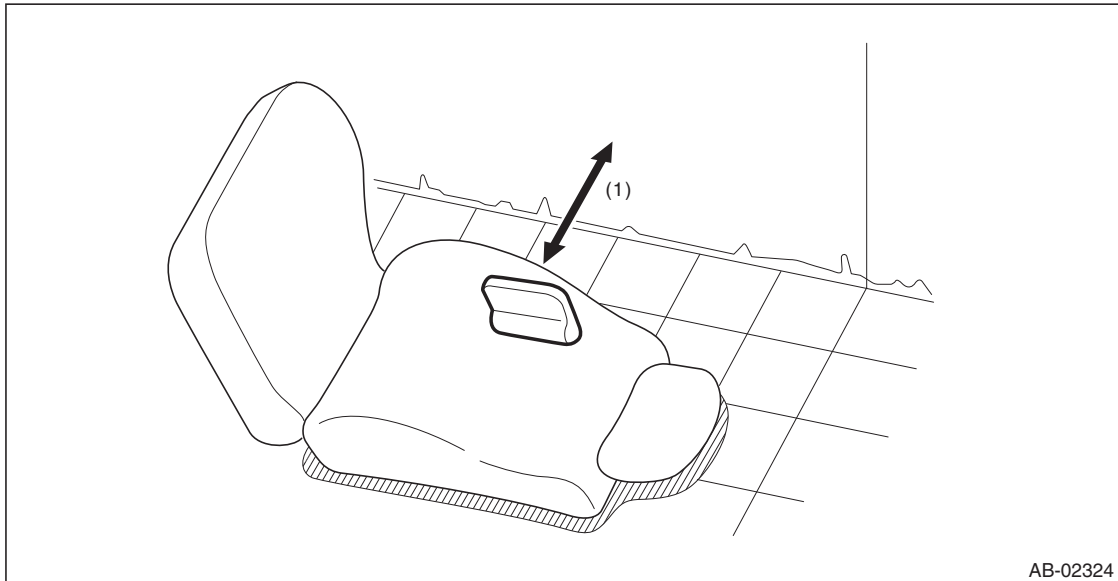
- Do not disassemble driver's airbag module, knee airbag module, passenger's airbag module, side airbag module, curtain airbag module or pretensioner.



General Description

AIRBAG SYSTEM

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

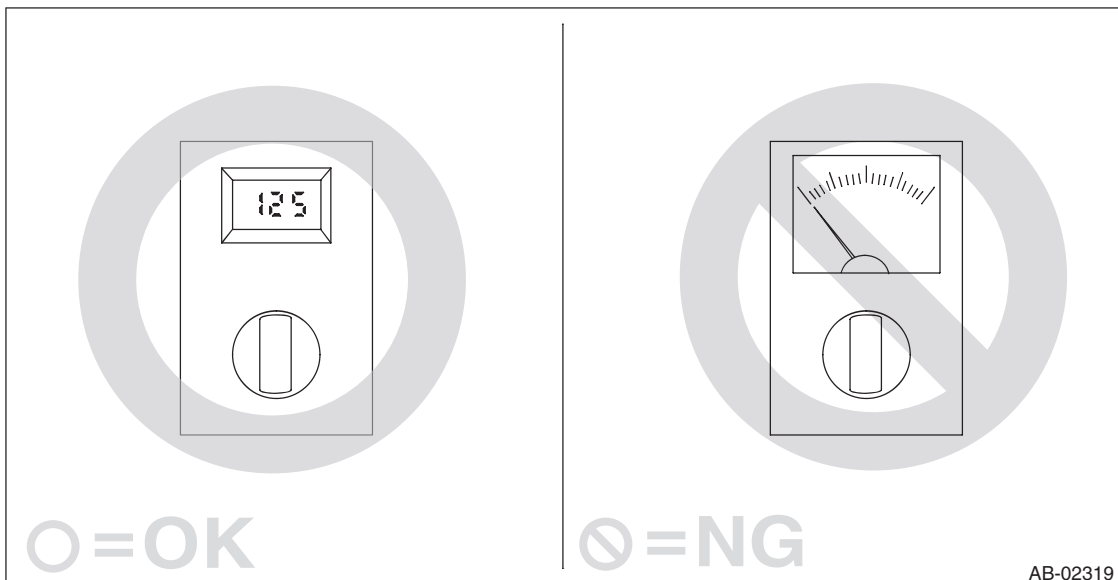


AB-02324

(1) 200 mm (8 in) or more

3. BEFORE STARTING TROUBLESHOOTING

- Even if any part must be replaced as the result of troubleshooting, do not use an airbag part or pretensioner part from other vehicles. Always replace the defective parts 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 due to a minimal current inside tester.

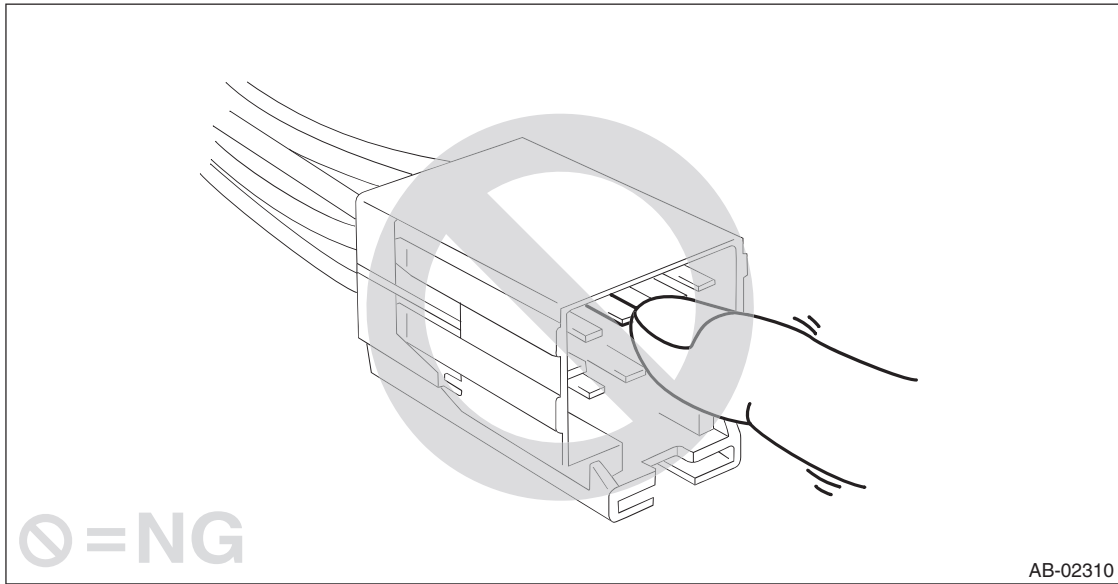


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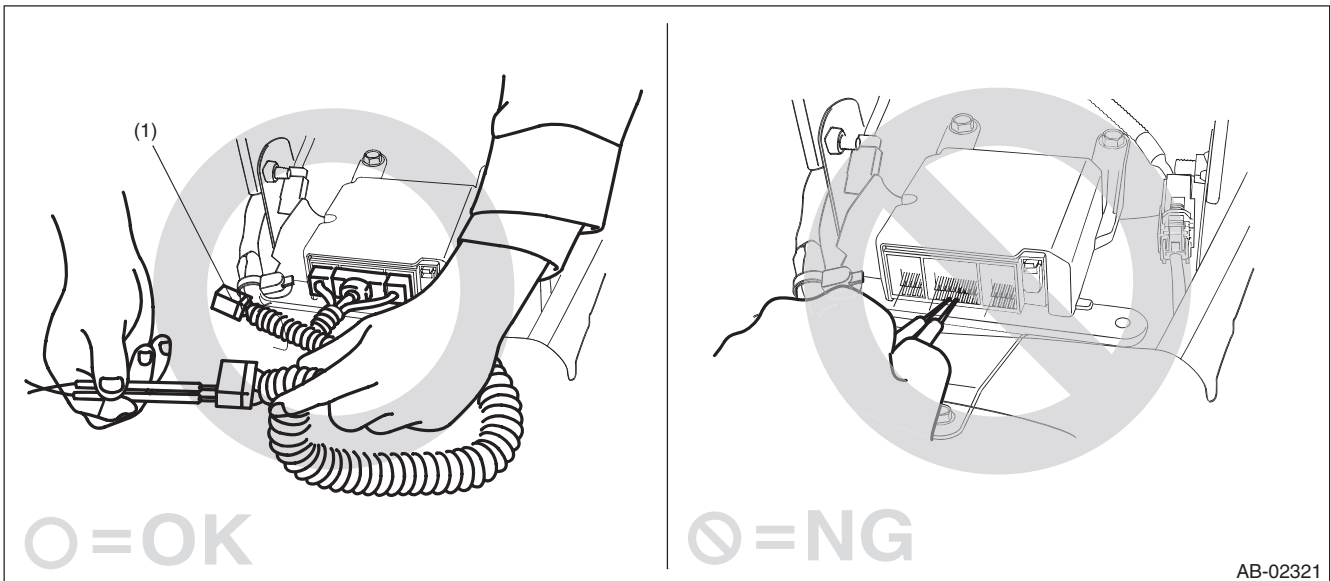
General Description

AIRBAG SYSTEM

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



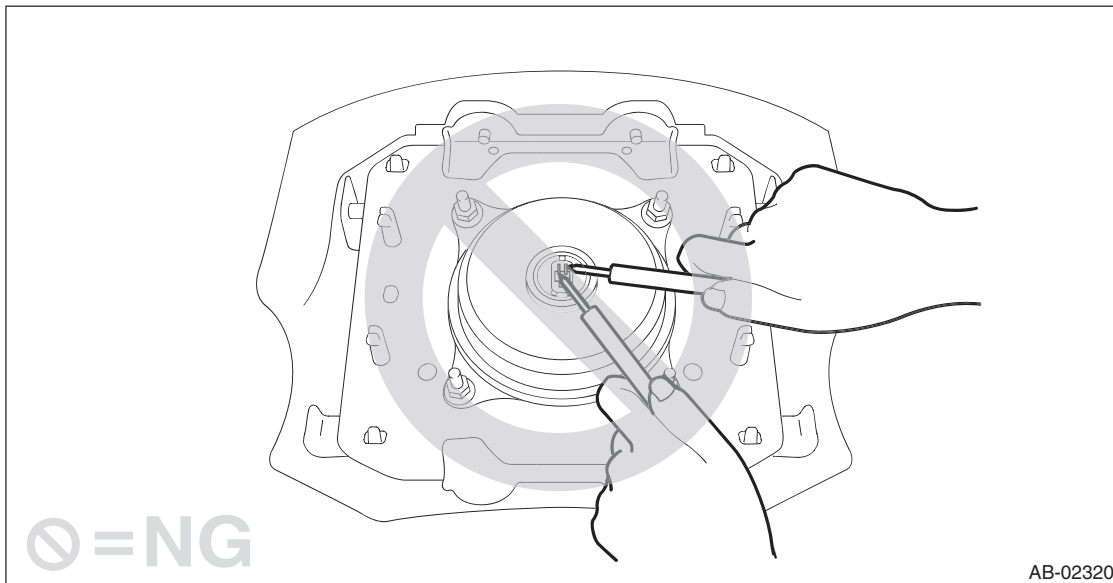
- When checking, use a test harness (1). Damage to connector terminal causes malfunction. Do not directly put the tester probe on airbag connector terminal.



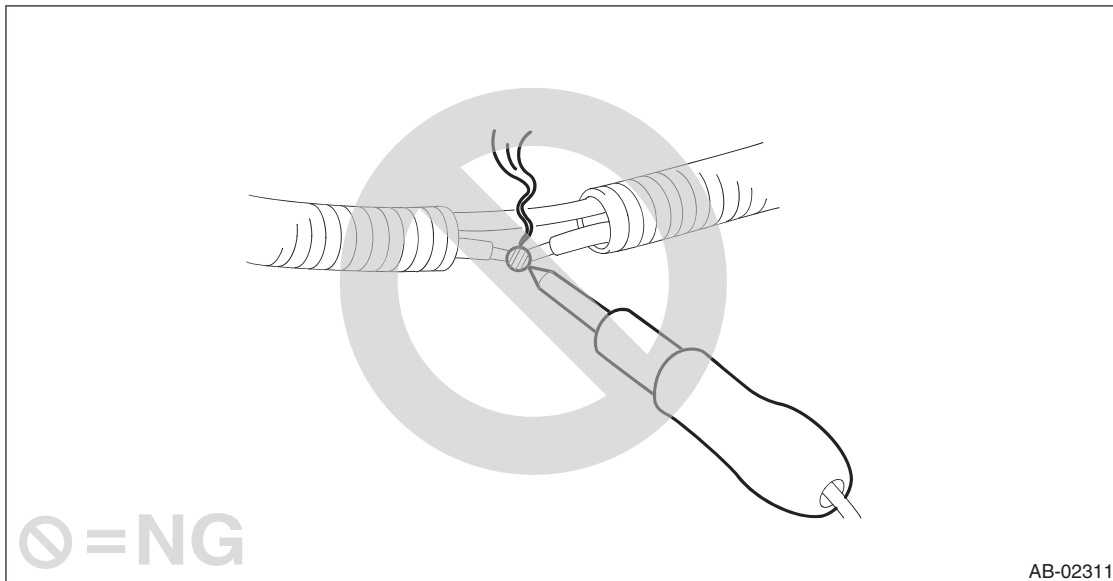
General Description

AIRBAG SYSTEM

- Do not check continuity of the driver's airbag module, knee airbag module, passenger's airbag module, side airbag module, curtain airbag module or pretensioner.



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

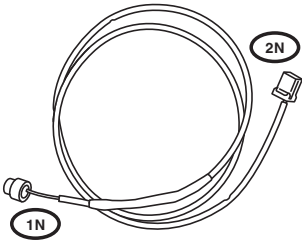
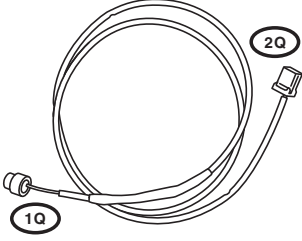


General Description

AIRBAG SYSTEM

C: PREPARATION TOOL

1. SPECIAL TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299SA000	98299SA000	TEST HARNESS N	Used for unit inspection of steering roll connector.
 ST98299SA040	98299SA040	TEST HARNESS Q	Used for unit inspection of steering roll connector.

2. GENERAL TOOL

TOOL NAME	REMARKS
Steering wheel puller	Used for removing and installing the steering wheel.
TORX® T40	Used for removing and installing the beam COMPL - steering.

Airbag Connector

AIRBAG SYSTEM

2. Airbag Connector

A: PROCEDURE

1. POWER SUPPLY

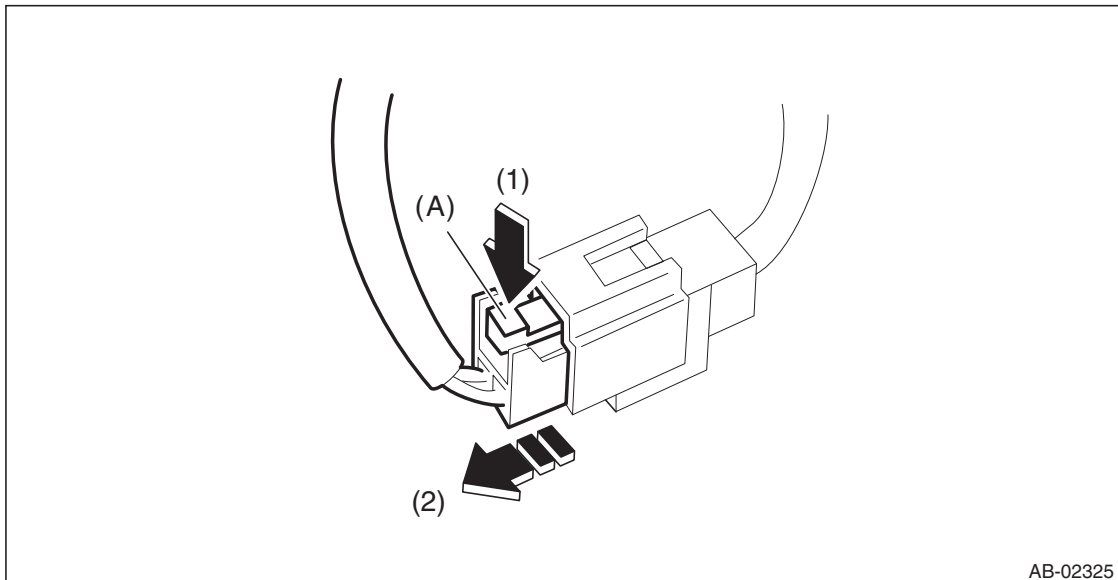
1) How to disconnect:

CAUTION:

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

(1) Push the lock (A).

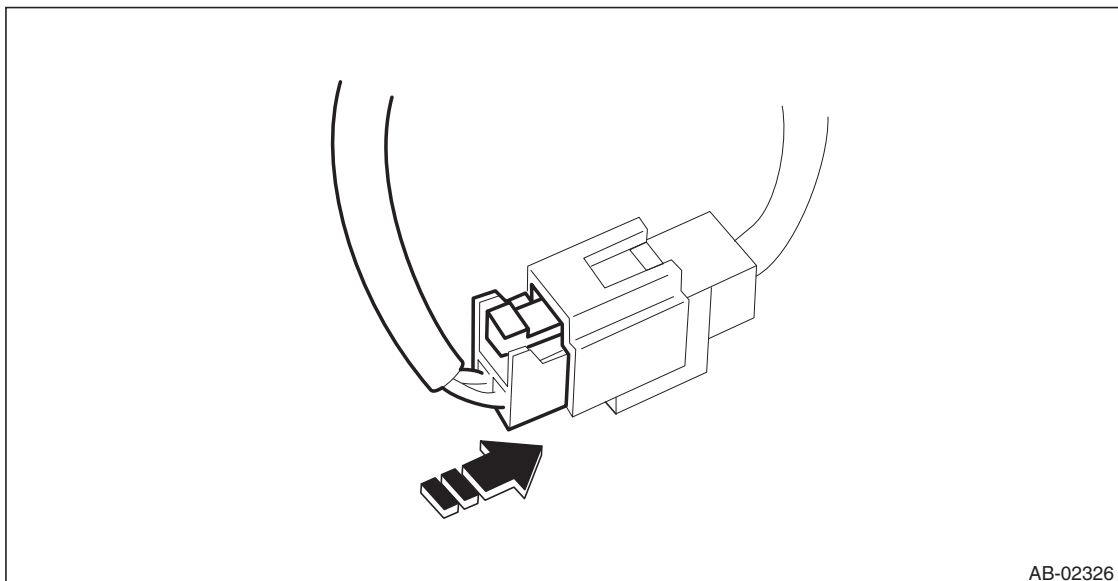
(2) While holding down the lock (A), disconnect the connector.



2) How to connect:

CAUTION:

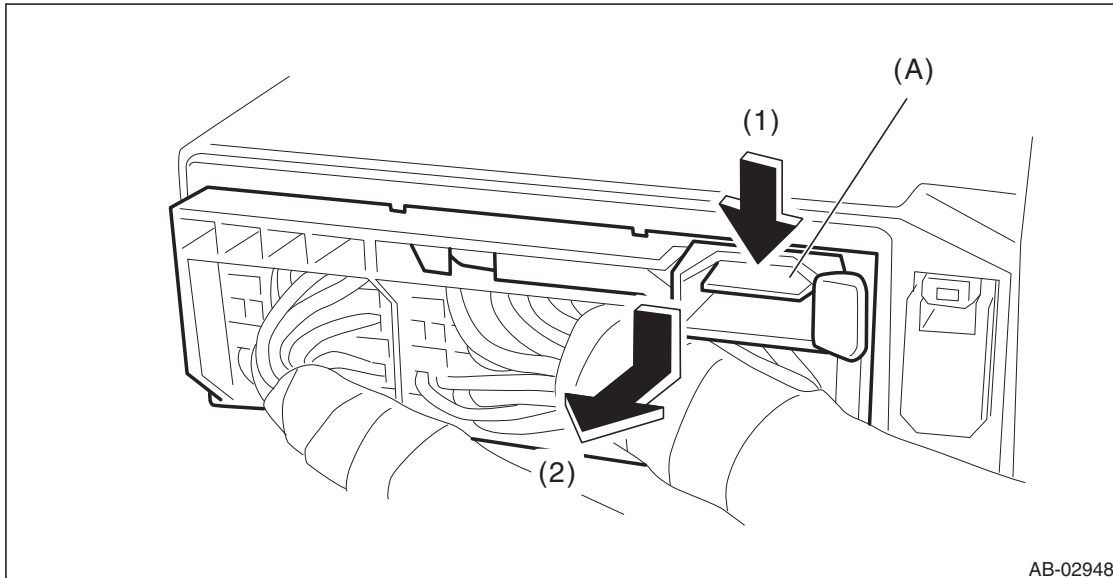
Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the connector, push it in securely until a clicking sound is heard.



2. AIRBAG CONTROL MODULE

1) How to disconnect:

- (1) Push the lock lever plate (A).
- (2) While holding down the lock lever plate (A), pull the lever toward you.



AB-02948

2) How to connect:

CAUTION:

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

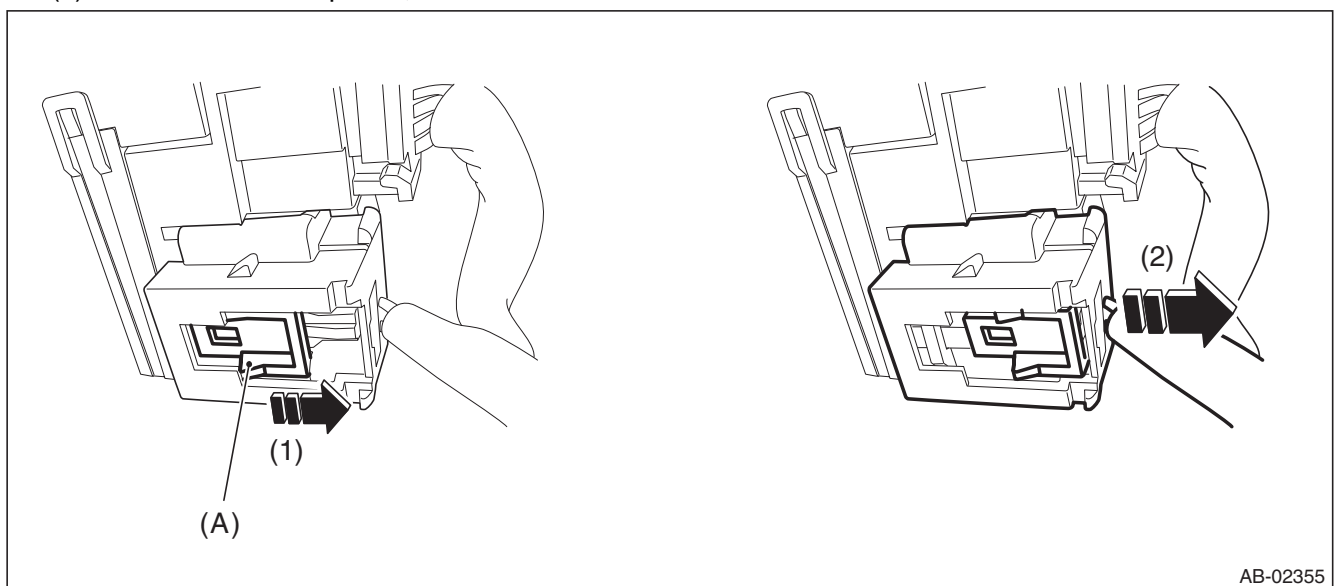
3. DRIVER'S AIRBAG MODULE (ROLL CONNECTOR)

1) How to disconnect:

CAUTION:

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

- (1) Pull the slide lock (A) in the direction of arrow.
- (2) With the slide lock pulled, disconnect the connector.



AB-02355

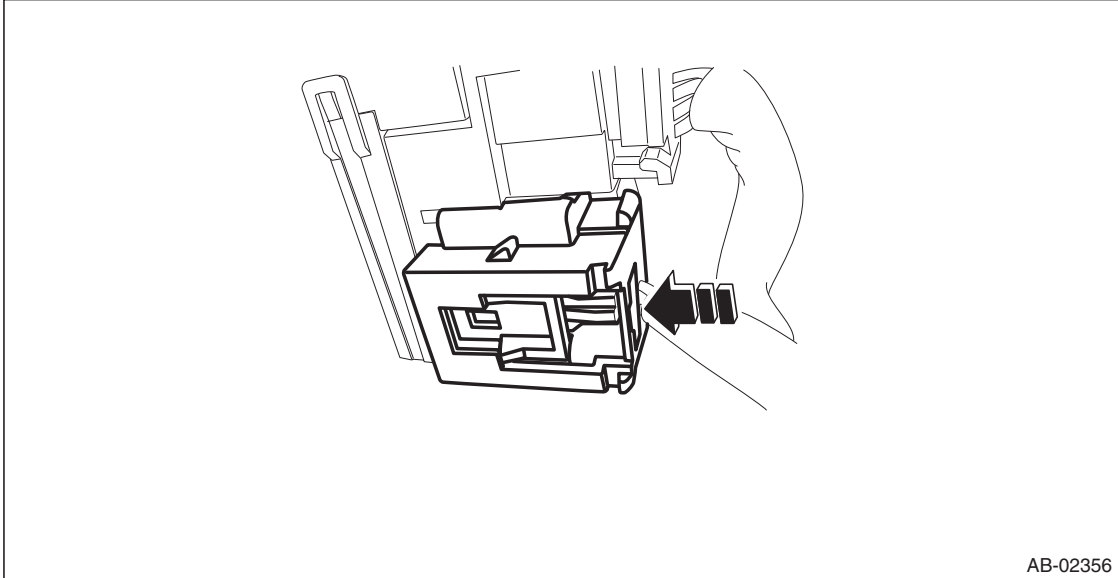
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the the connector, push it in securely until a clicking sound is heard.



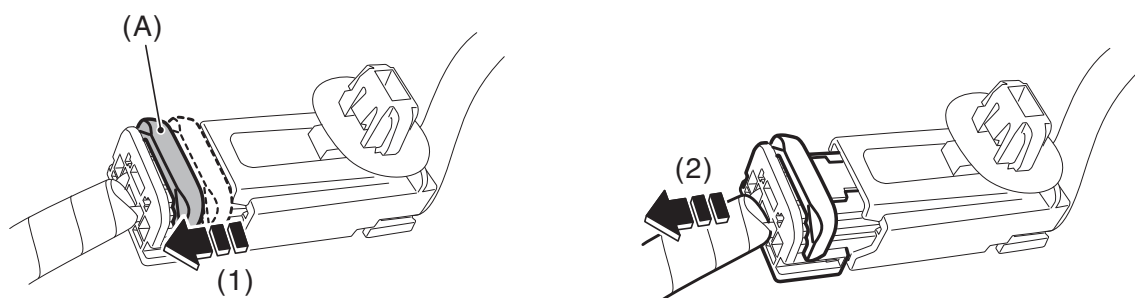
4. PASSENGER'S AIRBAG MODULE

1) How to disconnect:

CAUTION:

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

- (1) Pull the slide lock (A) in the direction of arrow.
- (2) With the slide lock pulled, disconnect the connector.



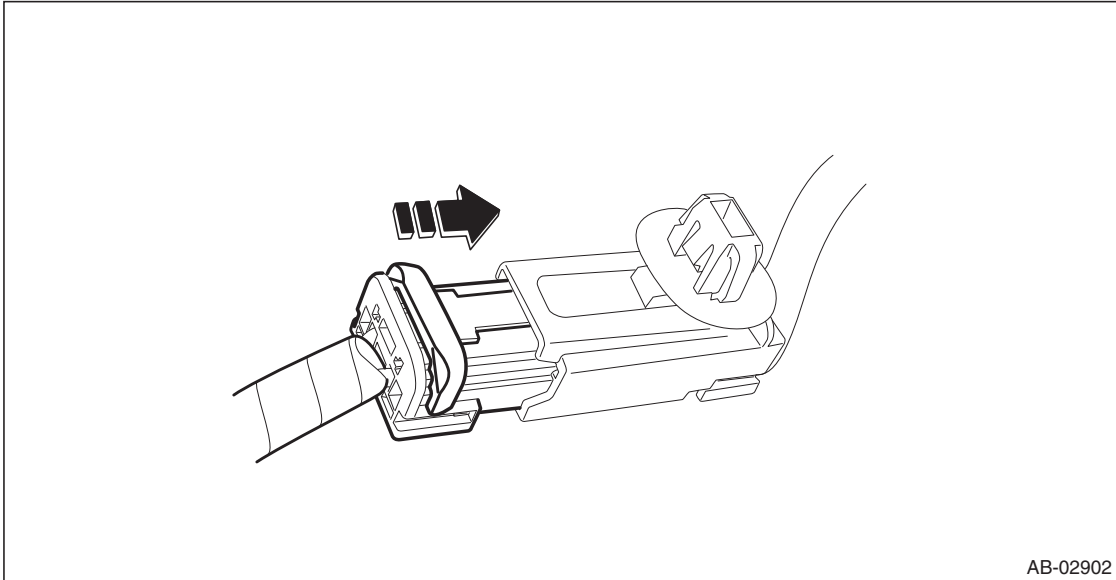
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

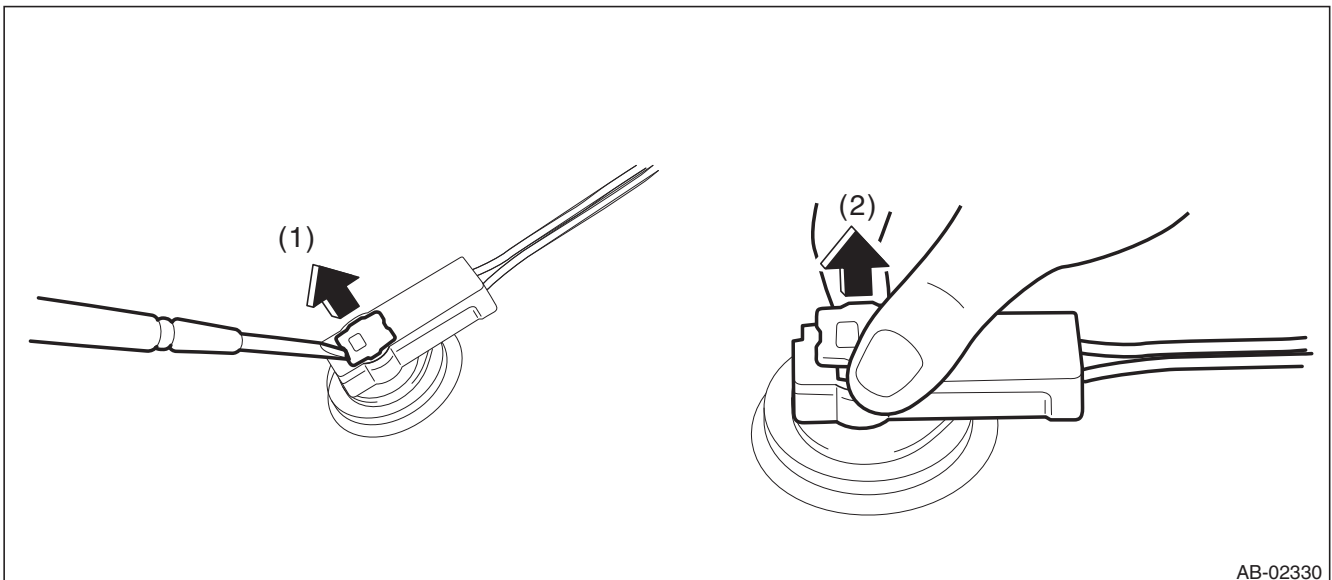
Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the connector, push it in securely until a clicking sound is heard.



5. DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN 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 airbag module assembly or the retractor assembly.



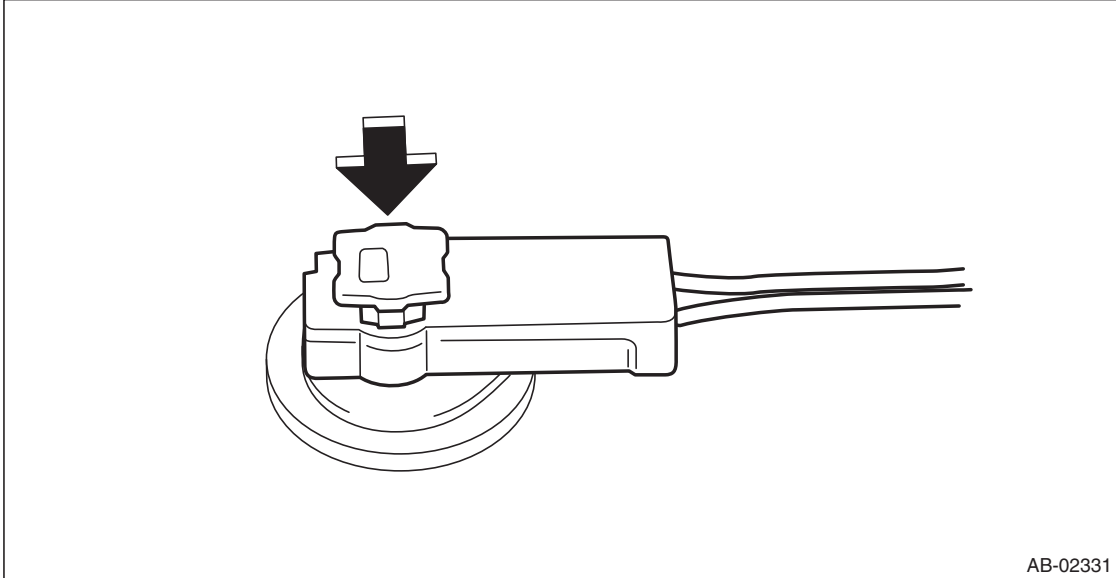
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

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



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

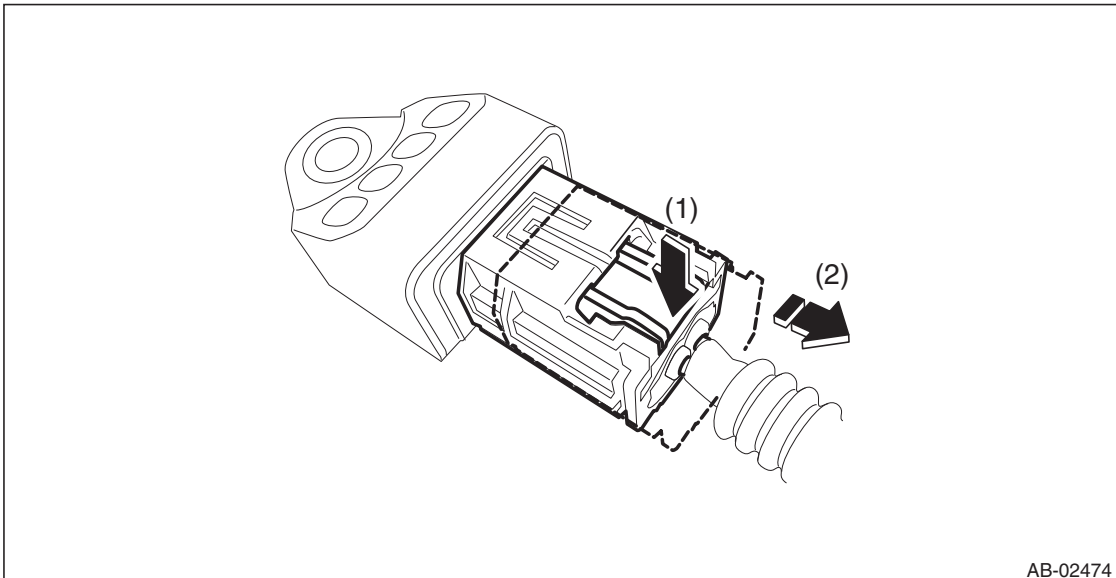
6. FRONT SUB SENSOR, FRONT DOOR IMPACT SENSOR AND SATELLITE SAFING SENSOR

1) How to disconnect:

CAUTION:

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

- (1) Push the lock arm.
- (2) Holding outer part, pull it one step in the direction of arrow.

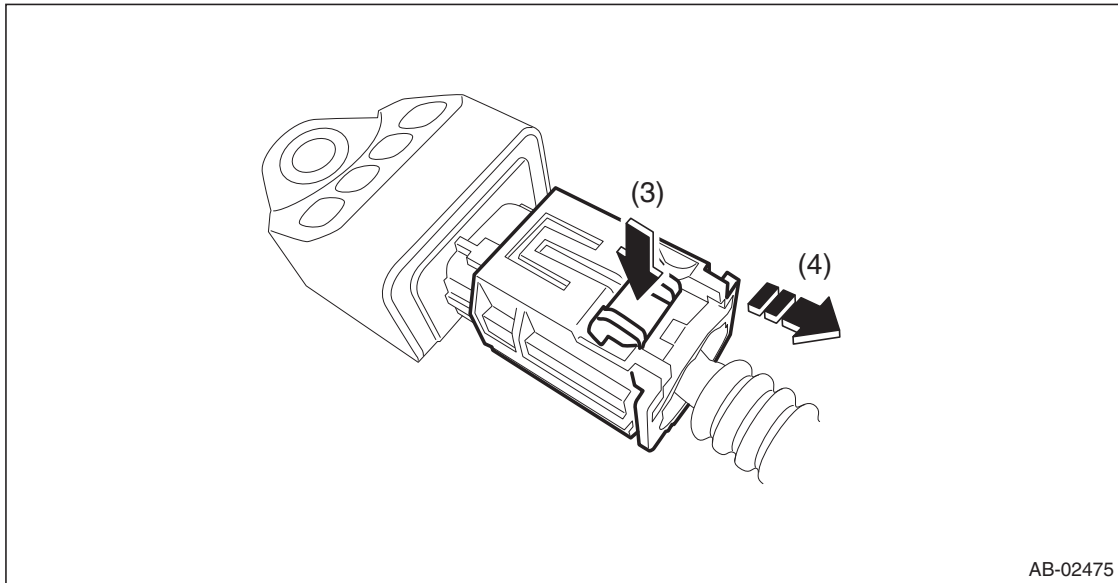


- (3) Push the lock arm again.

Airbag Connector

AIRBAG SYSTEM

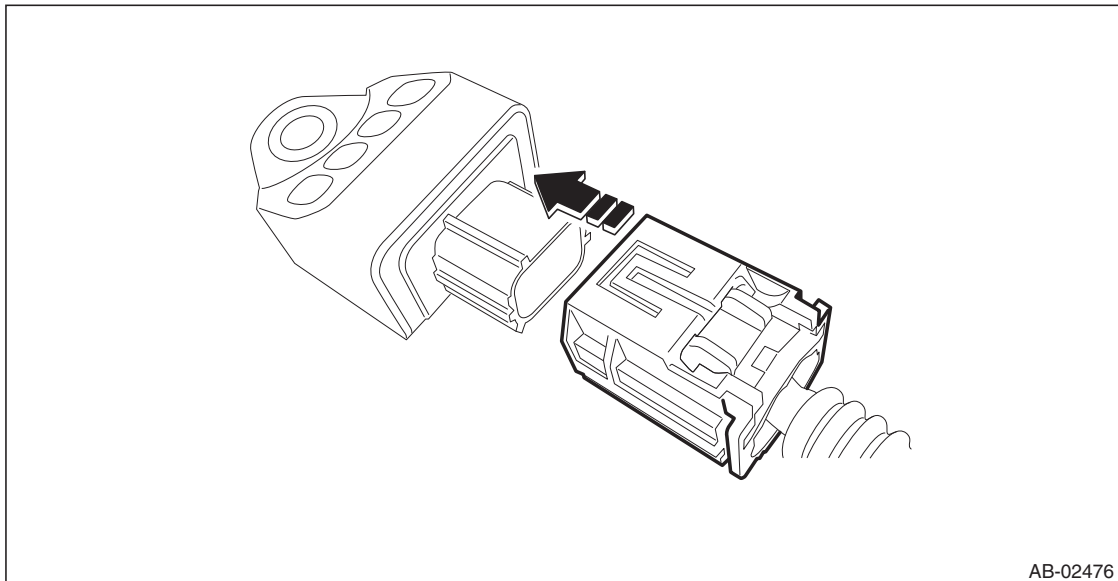
(4) Holding outer part, pull it in the direction of arrow to disconnect the connector.



2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.
Holding the connector, push it in securely until a clicking sound is heard.



Airbag Connector

AIRBAG SYSTEM

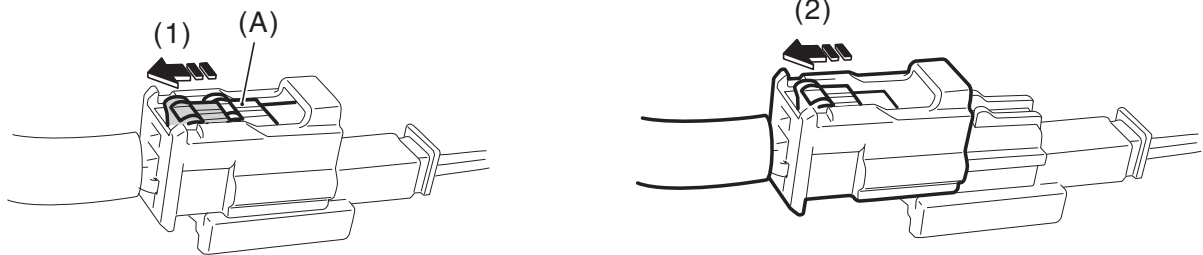
7. FRONT DOOR IMPACT SENSOR (BETWEEN AIRBAG REAR HARNESS AND DOOR HARNESS)

1) How to disconnect:

CAUTION:

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

- (1) Pull the slide lock (A) in the direction of arrow.
- (2) With the slide lock pulled, disconnect the connector.

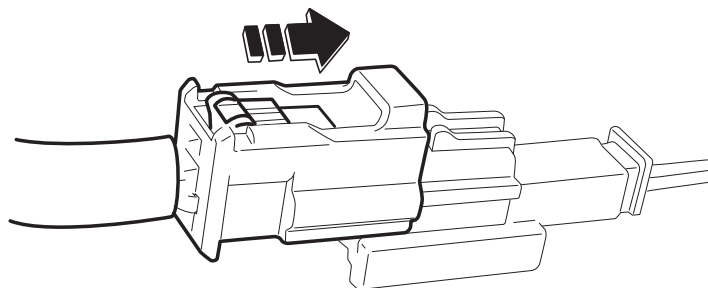


AB-02901

2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the connector, push it in securely until a clicking sound is heard.



AB-02927

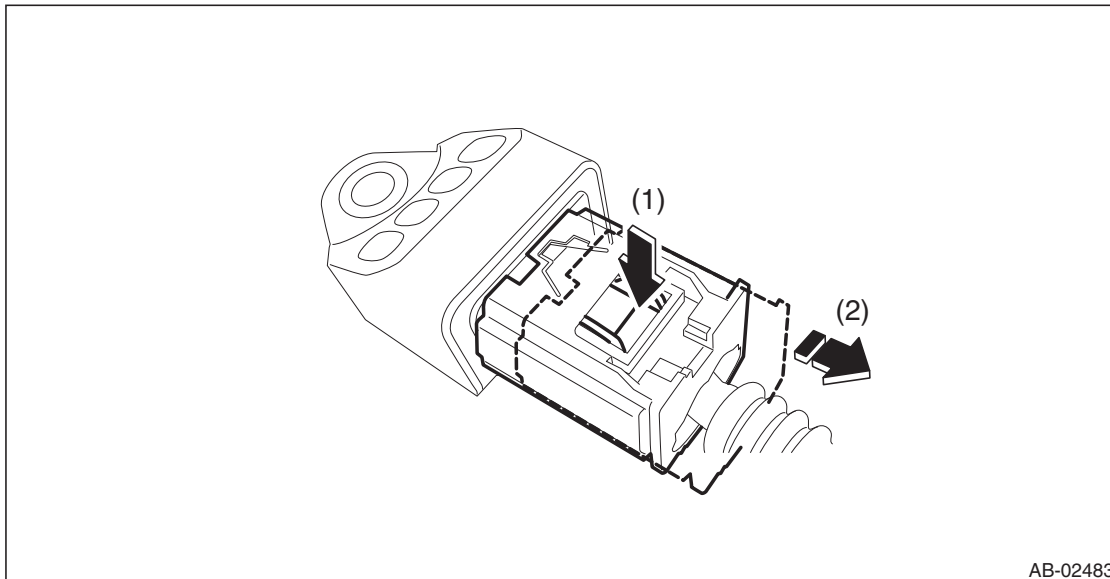
8. SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR

1) How to disconnect:

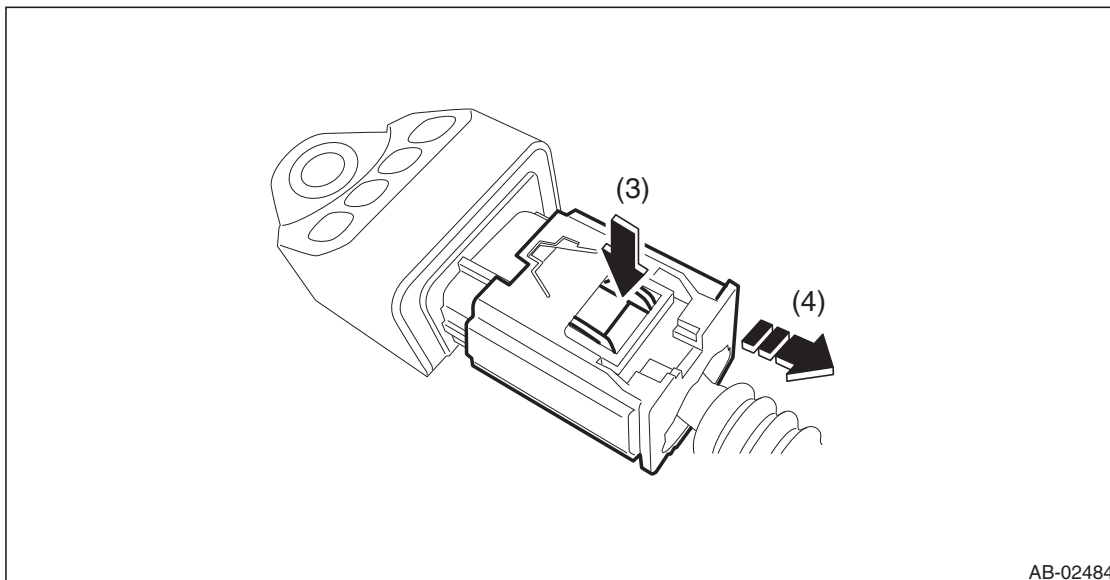
CAUTION:

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

- (1) Push the lock arm.
- (2) Holding outer part, pull it one step in the direction of arrow.



- (3) Push the lock arm again.
- (4) Holding outer part, pull it in the direction of arrow to disconnect the connector.



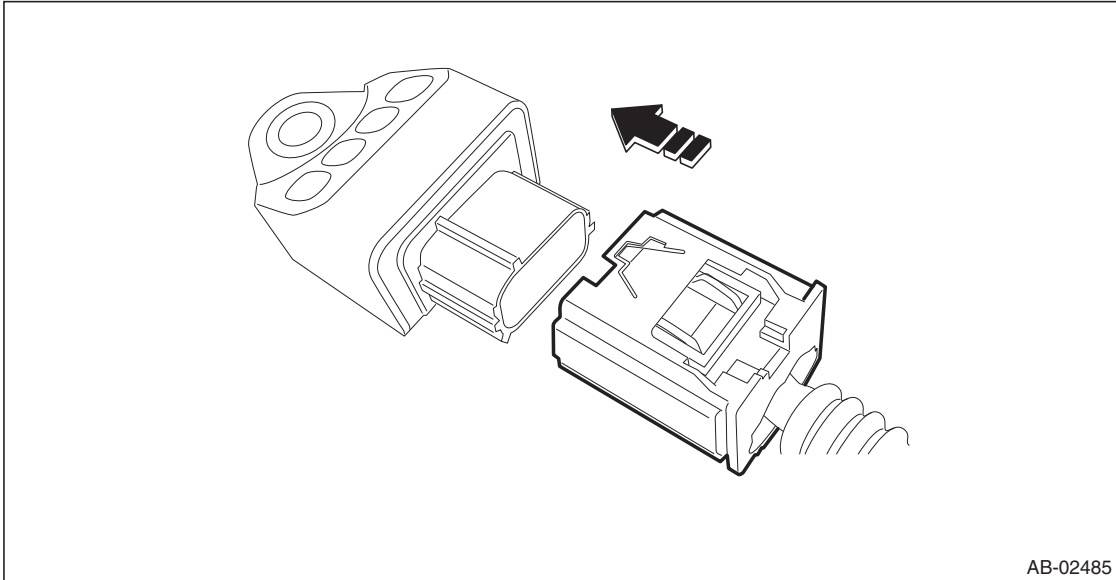
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the connector, push it in securely until a clicking sound is heard.



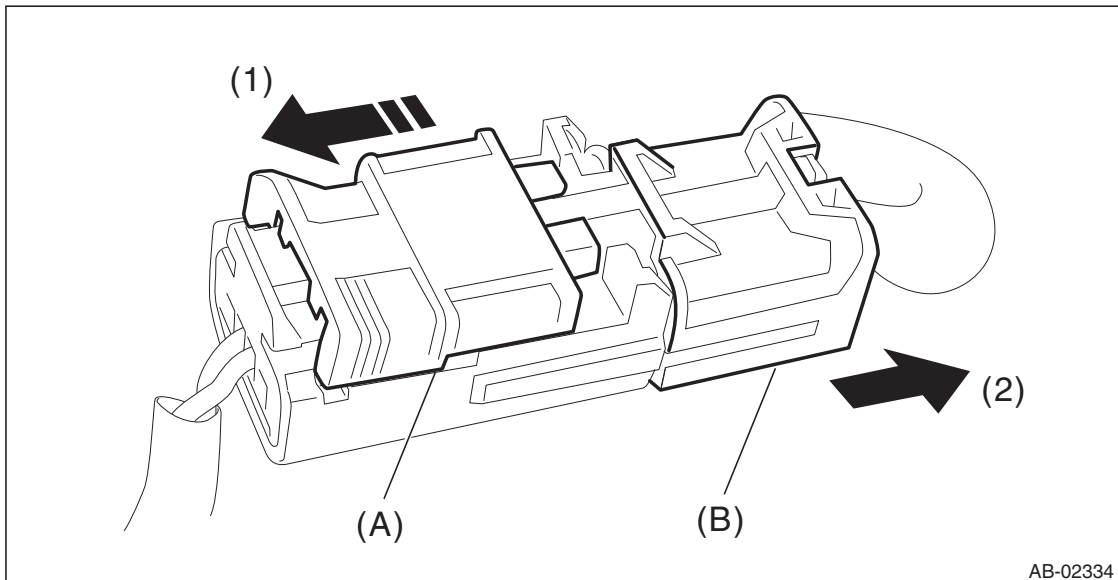
9. SIDE AIRBAG MODULE

1) How to disconnect:

CAUTION:

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

- (1) Move the slide lock (A) in the direction of arrow and hold it.
- (2) While holding the slide lock (A) in place, pull the connector (B) to the direction of arrow.



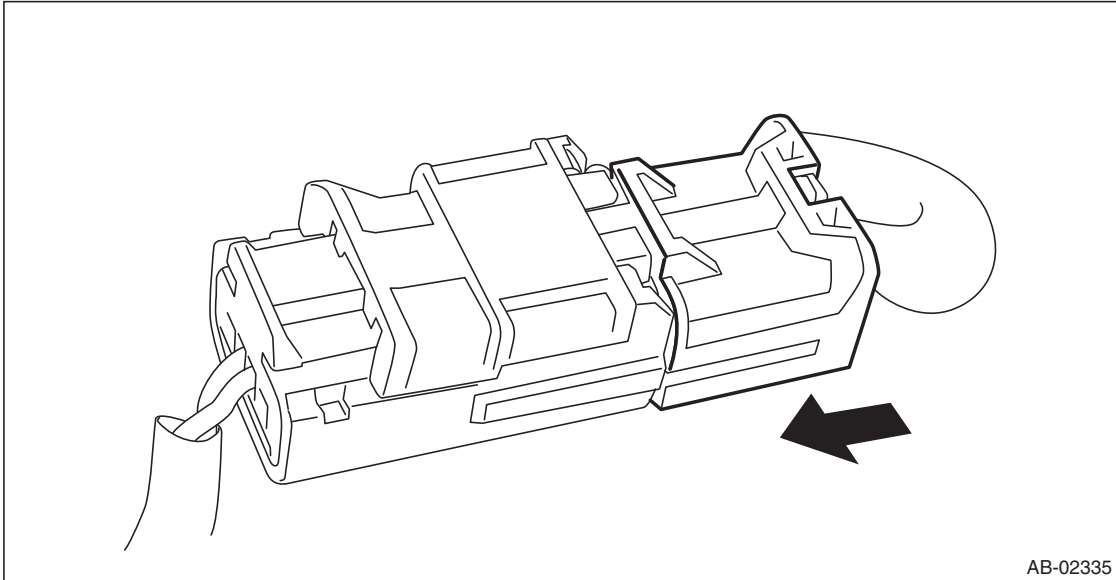
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked.
Holding the connector, push it in securely until a clicking sound is heard.



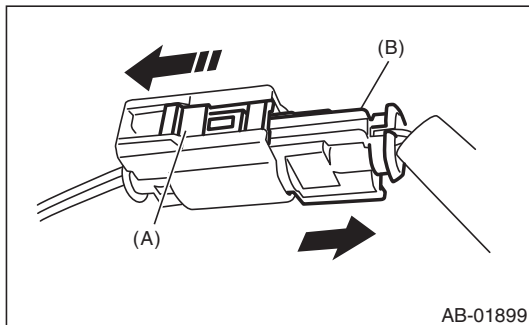
10.BUCKLE SWITCH RH

1) How to disconnect:

CAUTION:

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

- (1) Move the slide lock (A) in the direction of arrow and hold it.
- (2) While holding the slide lock (A), pull the connector (B) in the direction of arrow.



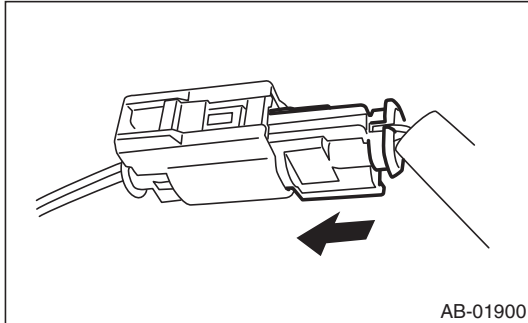
Airbag Connector

AIRBAG SYSTEM

2) How to connect:

CAUTION:

Be sure to insert the connector in until it is locked. Then pull it gently to make sure that it is locked. Holding the connector, push it in securely until a clicking sound is heard.



11.OCCUPANT DETECTION SYSTEM (BETWEEN AIRBAG REAR HARNESS AND SEAT HARNESS)

Refer to "OCCUPANT DETECTION SYSTEM" section. <Ref. to OD(diag)-9, OCCUPANT DETECTION SYSTEM (BETWEEN AIRBAG REAR HARNESS AND SEAT HARNESS), PROCEDURE, Airbag Connector.>



3. Inspection Locations after a Collision

A: REPLACEMENT

Replace the following parts if the airbag system has been activated.

1. FRONT COLLISION

- 1) Driver's airbag module
- 2) Knee airbag module
- 3) Passenger's airbag module
- 4) Driver's seat belt (pretensioner)
- 5) Passenger's seat belt (pretensioner)
- 6) Lap seat belt pretensioner (passenger's side only)
- 7) Airbag control module
- 8) Front sub sensor (right and left)
- 9) Roll connector
- 10) Passenger's side seat cushion pad and frame assembly
- 11) Instrument panel (for integrating with passenger's airbag module)

2. SIDE COLLISION

- 1) Airbag control module
- 2) Satellite safing sensor
- 3) Cover - satellite safing
- 4) Side airbag module (operating side)
- 5) Side airbag sensor (operating side)
- 6) Front door impact sensor (operating side)
- 7) Curtain airbag module (operating side)
- 8) Curtain airbag sensor (operating side)
- 9) Pad assembly - front seat backrest (operating side)
- 10) Cover COMPL - front backrest (operating side)
- 11) Trim panel - roof assembly
- 12) Trim panel for each pillar (operating side)

3. ROLL OVER

- 1) Airbag control module
- 2) Curtain airbag module (both sides)
- 3) Driver's seat belt (pretensioner)
- 4) Passenger's seat belt (pretensioner)
- 5) Lap seat belt pretensioner (passenger's side only)

4. INSPECTION OF OTHER PARTS

Check for the following parts, and replace the damaged parts with new parts.

- 1) Steering wheel and column assembly - steering

Check the column assembly - steering for mounting conditions and deflection of front and rear, upward and downward directions, and deflection of front and rear direction with tilt lever released. (After a collision, absorbing part of the column assembly - steering may have been operated.)

- 2) Check the direct type connector of driver's airbag module, knee airbag module, curtain airbag module, and pretensioner for damage, and also check each harness for pinching and connector damage. Replace the main harness as an assembly if damage is found.

- 3) Check the seat cushion, backrest, slide rail and headrest for installation condition, looseness, deformation and crack.

- 4) If any break or fray is found in the cover COMPL - front backrest of the driver's seat or passenger's seat, the side airbag system may not operate normally. In this case, replace the cover COMPL - front backrest with a new part.

- 5) For the passenger's seat, replace the passenger's seat cushion and frame assembly with a new part if the frame assembly - front cushion is deformed or cracked.



Inspection Locations after a Collision

AIRBAG SYSTEM

6) If there are tears or loosening in the seat cover - front cushion on the passenger's side, it may interfere with the proper operation of the occupant detection system. Replace the passenger's seat cushion and frame assembly with a new part.

7) Use the Subaru Select Monitor to check whether the passenger's seat belt buckle switch is operating normally.

B: INSPECTION

If the vehicle is involved in a collision, even if it is a slight collision, be sure to check the following systems.

1. DRIVER'S AIRBAG MODULE ASSEMBLY

1) Frontal collision (driver's airbag module assembly activated)

1. Replace the following parts with new ones.

- Airbag control module
- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Side airbag module (right and left / if deployed)
- Curtain airbag module (right and left / if deployed)
- Front sub sensor (right and left)
- Column assembly - steering

2. Visually inspect the following items and replace any damaged part with a new one.

- Steering wheel
- Beam COMPL - steering
- Instrument panel harness and connector on body side

2) Frontal collision (driver's airbag module not activated)

Visually inspect the following items and replace any damaged or cracked part with a new one.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Front sub sensor (right and left)
- Instrument panel assembly (because it is integrated with passenger's airbag module)

3) No frontal collision

Visually inspect the airbag modules for damage or contamination and replace any faulty part with a new one.

2. KNEE AIRBAG MODULE

1) Frontal collision (knee airbag module activated)

1. Replace the following parts with new ones.

- Airbag control module
- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Side airbag module (right and left / if deployed)
- Curtain airbag module (right and left / if deployed)
- Front sub sensor (right and left)
- Column ASSY - steering



Inspection Locations after a Collision

AIRBAG SYSTEM

2. Visually inspect the following items and replace any damaged part with a new one.

- Steering wheel
- Beam COMPL - steering
- Instrument panel harness and connector on body side

2) Frontal collision (knee airbag module not activated)

Visually inspect the following items and replace any damaged or cracked part with a new one.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Front sub sensor (right and left)
- Instrument panel assembly (because it is integrated with passenger's airbag module)

3) No frontal collision

Visually inspect the airbag modules for damage or contamination and replace any faulty part with a new one.

3. PASSENGER'S AIRBAG MODULE

1) Frontal collision (passenger's airbag module activated)

1. Replace the following parts with new ones.

- Airbag control module
- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Side airbag module (right and left / if deployed)
- Curtain airbag module (right and left / if deployed)
- Front sub sensor (right and left)
- Instrument panel assembly (because it is integrated with passenger's airbag module)

2. Visually inspect the following items and replace any damaged part with a new one.

- Beam COMPL - steering
- Instrument panel harness and connector on body side

2) Frontal collision (passenger's airbag module not activated)

Visually inspect the following items and replace any damaged or cracked part with a new one.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

- Driver's airbag module
- Knee airbag module
- Passenger's airbag module
- Seat belt pretensioner (right and left)
- Lap seat belt pretensioner (passenger's side only)
- Front sub sensor (right and left)
- Instrument panel assembly (because it is integrated with passenger's airbag module)

3) No frontal collision

Visually inspect the airbag modules for damage or contamination and replace any faulty part with a new one.



Inspection Locations after a Collision

AIRBAG SYSTEM

4. SIDE AIRBAG MODULE

1) Side impact (side airbag module activated)

1. Replace the following parts with new ones.

- Airbag control module
- Satellite safing sensor
- Cover - satellite safing
- Front door impact sensor
- Side airbag module (operating side)
- Side airbag sensor (operating side)
- Curtain airbag module (operating side)
- Curtain airbag sensor (operating side)
- Pad assembly - front seat backrest
- Frame assembly - front backrest
- Cover COMPL - front backrest
- Trim panel - roof assembly
- Trim panel for each pillar

2. Visually inspect the following items and replace any damaged part with a new one.

- Headrest assembly
- Bushing - lock headrest
- Slide rail assembly - OUT
- Slide rail assembly - INN
- Cover - hinge front seat
- Knob - lifter
- Lever - reclining
- Side airbag harness and connector on body side

2) Side impact (side airbag module not activated)

Visually inspect the following items and replace any damaged or cracked part with a new one.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

- Pad assembly - front seat backrest
- Frame assembly - front backrest
- Cover COMPL - front backrest
- Sensor assembly - satellite safing
- Cover - satellite safing
- Front door impact sensor
- Side airbag module
- Side airbag sensor
- Curtain airbag module
- Curtain airbag sensor

3) No side impact

Visually inspect the airbag modules for contamination and replace any faulty part with a new one.



5. CURTAIN AIRBAG MODULE

1) Side impact or roll over (curtain airbag module activated)

1. Replace the following parts with new ones.

- Airbag control module
- Satellite safing sensor
- Cover - satellite safing
- Curtain airbag module
- Seat belt pretensioner (operating side)
- Front door impact sensor
- Side airbag sensor
- Curtain airbag sensor
- Pad assembly - front seat backrest (operating side)
- Frame assembly - front backrest (operating side)
- Cover COMPL - front backrest (operating side)
- Trim panel - roof ASSY
- Trim panel for each pillar
- Airbag bracket (model with sunroof)

2. Visually inspect the following items and replace any damaged part with a new one.

- Assist rail - front and rear
- Bracket - assist rail front and rear
- Curtain airbag harness and connector on body side.

2) Side impact (curtain airbag module not activated)

Visually inspect the following items and replace any damaged or cracked part with a new one.

Specially inspect the damage of airbag module body, mounting bracket and harness connector.

- Trim panel - roof ASSY
- Trim panel for each pillar
- Curtain airbag module
- Satellite safing sensor
- Cover - satellite safing
- Front door impact sensor
- Side airbag sensor
- Curtain airbag sensor

3) No side impact or roll over

Visually inspect the airbag covers for damage or contamination and replace any faulty part with a new one.

6. AIRBAG CONTROL MODULE

Check for the following, and replace the damaged parts with new parts.

- Control module is cracked or deformed.
- Mounting bracket is cracked or deformed.
- Connector is scratched, cracked or deformed.
- Driver's airbag module has been activated.
- Knee airbag module has been activated.
- Passenger's airbag module has been activated.
- Side airbag module has been activated.
- Curtain airbag module has been activated.
- Seat belt pretensioner has been activated.
- Lap seat belt pretensioner has been activated.

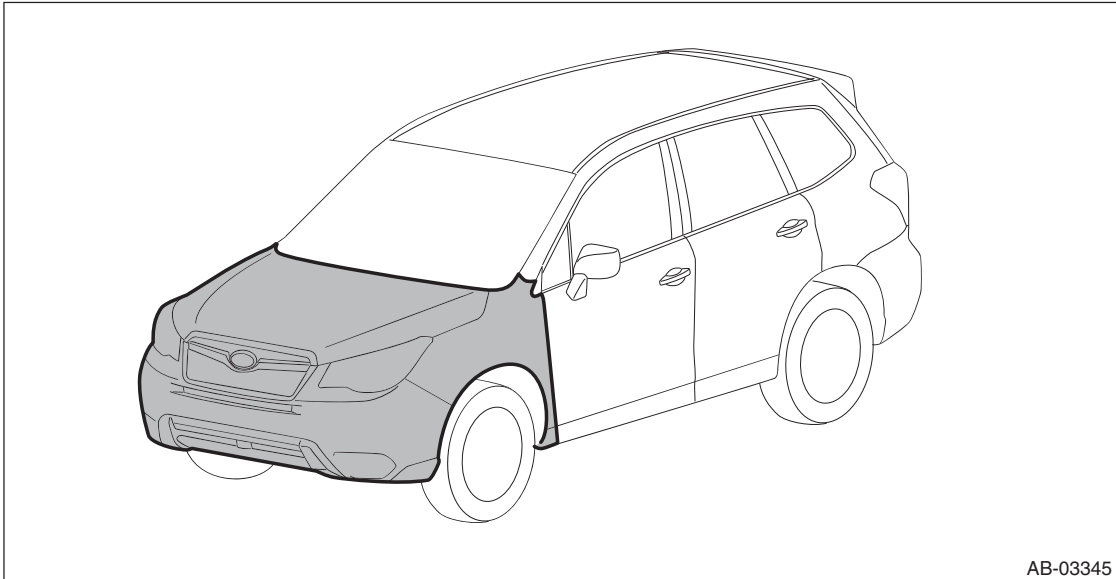


Inspection Locations after a Collision

AIRBAG SYSTEM

7. FRONT SUB SENSOR

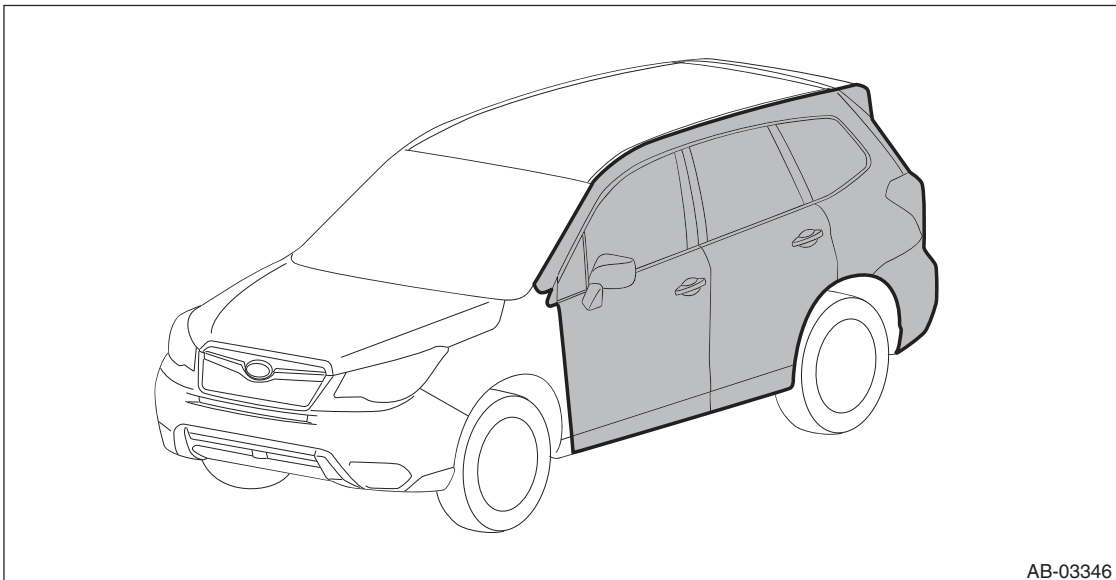
If the section of vehicle as shown in the figure is damaged, check the following items and replace the damaged parts with new parts.



- Front sub sensor is cracked or deformed.
- Connector is scratched, cracked or deformed.
- Driver's airbag module, knee airbag module or passenger's airbag module has been activated.

8. FRONT DOOR IMPACT SENSOR, SATELLITE SAFING SENSOR, SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR

If the section of vehicle as shown in the figure is damaged, check the following items and replace the damaged parts with new parts.



- Front door impact sensor, satellite safing sensor, side airbag sensor and curtain airbag sensor are cracked or deformed.
- Mounting bracket is cracked or deformed.
- Connector is scratched, cracked or deformed.
- Side airbag module or curtain airbag module has been activated. (Operating side)

Inspection Locations after a Collision

AIRBAG SYSTEM

9. ROLL CONNECTOR

Check the following items and replace any damaged, cracked, or deformed parts with new parts.

- Combination switch
- Steering roll connector

10. COLUMN ASSEMBLY - STEERING & STEERING WHEEL

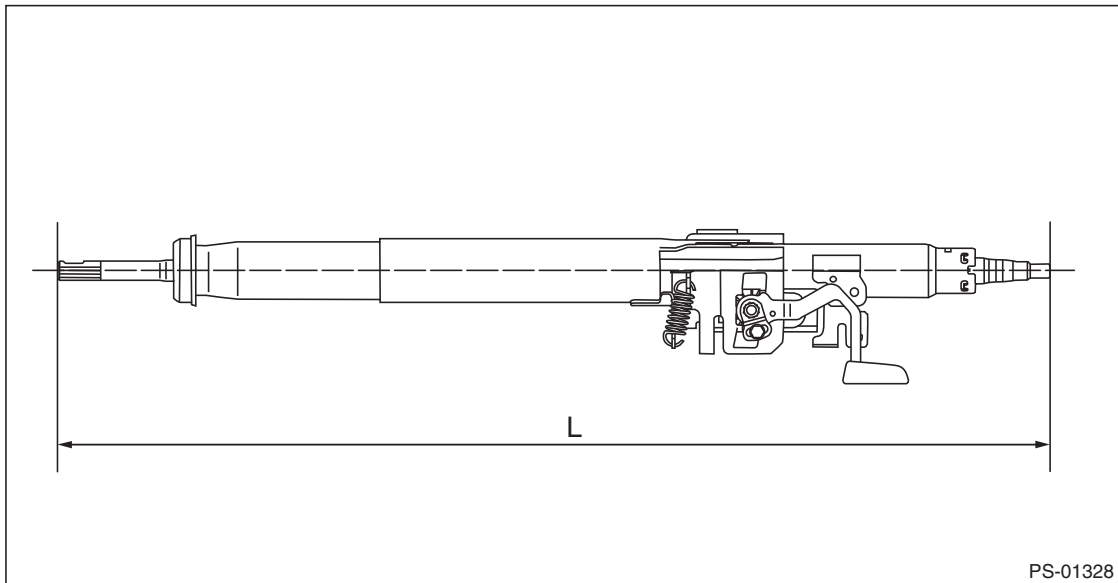
Check the following items, and if there is anything out of standard, it is considered to be damaged. If so, replace it with a new part.

- Measure the whole length of the column assembly - steering.

Standard: Overall length L

Tilt and telescopic column (measure while minimized)

$819.7^{+1.5}_{-1.5} \text{ mm } (32.27^{+0.059}_{-0.059} \text{ in})$



Inspection Locations after a Collision

AIRBAG SYSTEM

- Check the steering wheel deflection in axial and vertical directions.

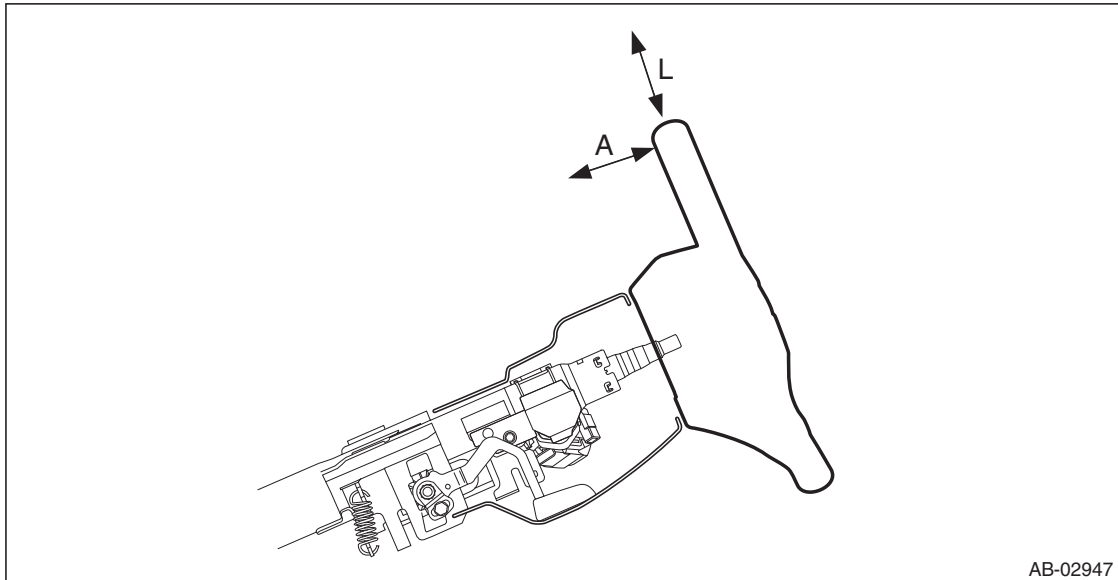
Specification:

Axial deflection A (deflection of steering wheel)

Less than 6 mm (0.24 in)

Vertical deflection L (runout of steering wheel)

Less than 17 mm (0.68 in)



AB-02947

11.PASSENGER'S SEAT

Check for the following, and replace the damaged parts with new parts.

- Body or bracket of the seat belt inner - front is scratched, cracked or deformed.
- Frame assembly - front backrest is cracked or deformed.
- Headrest assembly for deformation or play
- If the cover - front cushion and the cover COMPL - front backrest is damaged or frayed, replace the cover with a new part.

CAUTION:

If any of the following applies, replace the pad assembly - front seat cushion & frame assembly - front cushion as a unit. Do not disassemble.

- The frame assembly - front cushion or the pad assembly - front seat cushion is cracked or deformed.
- Scratches, cracks, or deformation found on the occupant detection system sensor mat or occupant detection control module, or attachment brackets of the control module.
- Harness and/or connector is cracked, deformed or open. Harness wire is exposed.

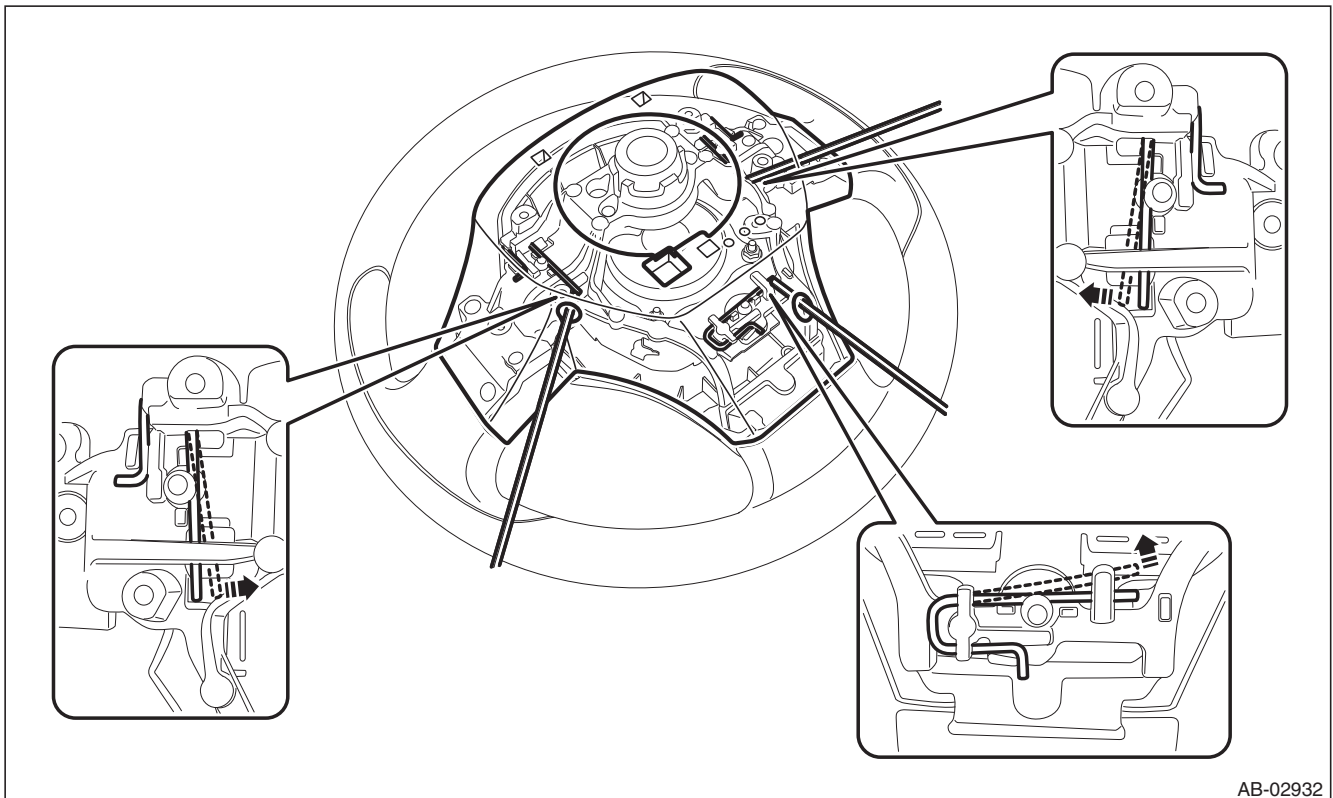
4. Driver's Airbag Module

A: REMOVAL

CAUTION:

Refer to "CAUTION" of "General Description" before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

- 1) Position the front wheels straight ahead. (After moving a vehicle 5 m (16 ft) or more with front wheels positioned straight ahead, make sure that the vehicle moves straight ahead.)
- 2) Turn the ignition switch to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 4) Remove the driver's airbag module.
 - (1) Using a hexagon wrench etc. wrapped by protective tape, insert the snap pins and release the locks (3 locations).

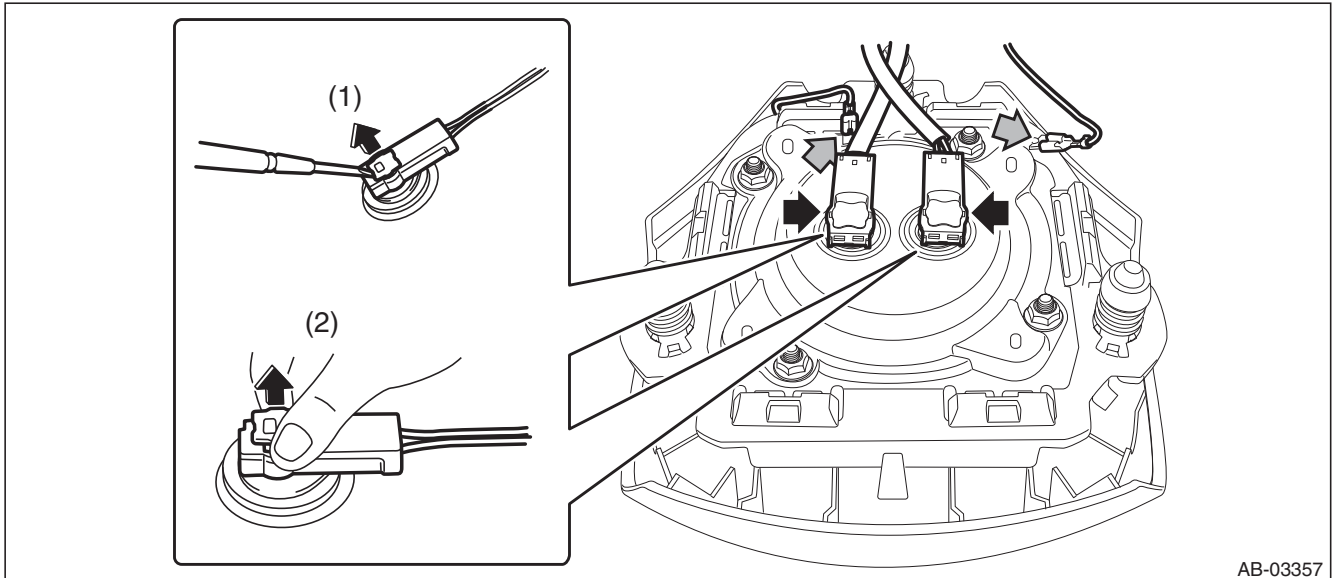


AB-02932

Driver's Airbag Module

AIRBAG SYSTEM

(2) Disconnect the horn harness and airbag connector, and remove the driver's airbag module. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

- Do not allow harness and connectors to interfere or get tangled up with other parts.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Airbag module is cracked or deformed.
- Harness and/or connector is cracked, deformed or open.
- Harness wire is exposed.
- The steering wheel is in the way, making it difficult to install the airbag module.
- The clearance between the driver's airbag module and steering wheel is not constant.

2) Install the driver's airbag module.

(1) Connect the airbag connector to the airbag module securely.

CAUTION:

- Be sure to insert the connector in until it is locked.

- Press in the push lock securely. Then pull it gently to make sure that it is locked.

(2) Connect the horn harness.

(3) Press in the locks (three positions) to install the airbag module.

CAUTION:

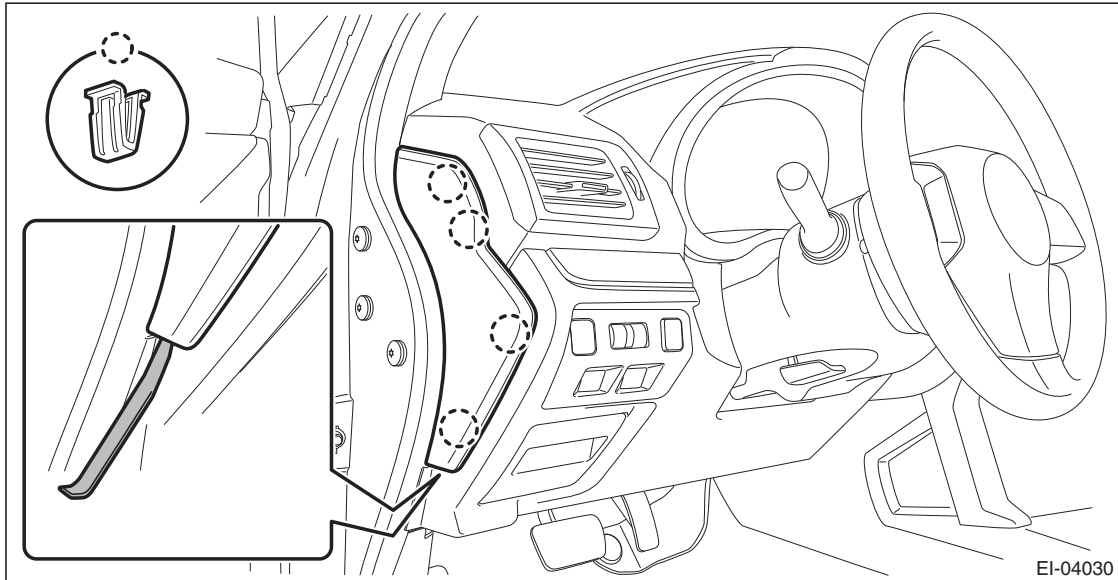
Make sure that the airbag module locks (three positions) are securely locked.

3) Install each part in the reverse order of removal.

5. Knee Airbag Module

A: REMOVAL

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the clips, and remove the cover - instrument panel side LH.



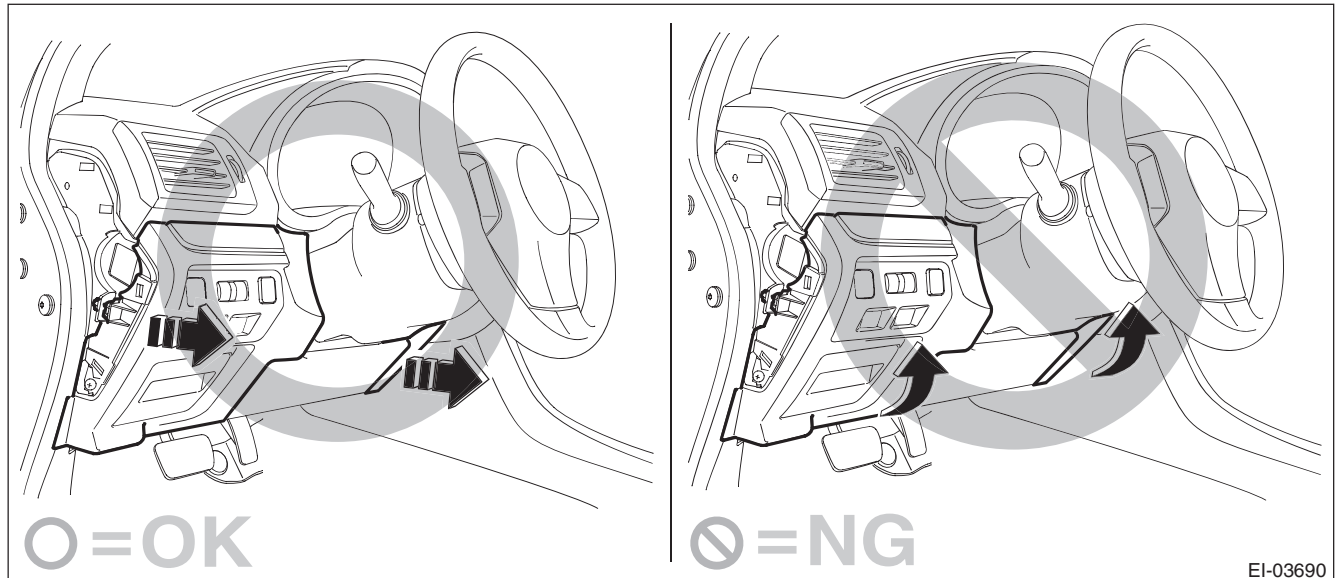
NOTE:

Using a plastic remover, open the cover - instrument panel side LH.

- 4) Remove the cover assembly - instrument panel LWR driver.

CAUTION:

When removing the cover assembly - instrument panel LWR driver, be sure to pull it toward you. If attempting to remove by turning it upward, the claws may be damaged.

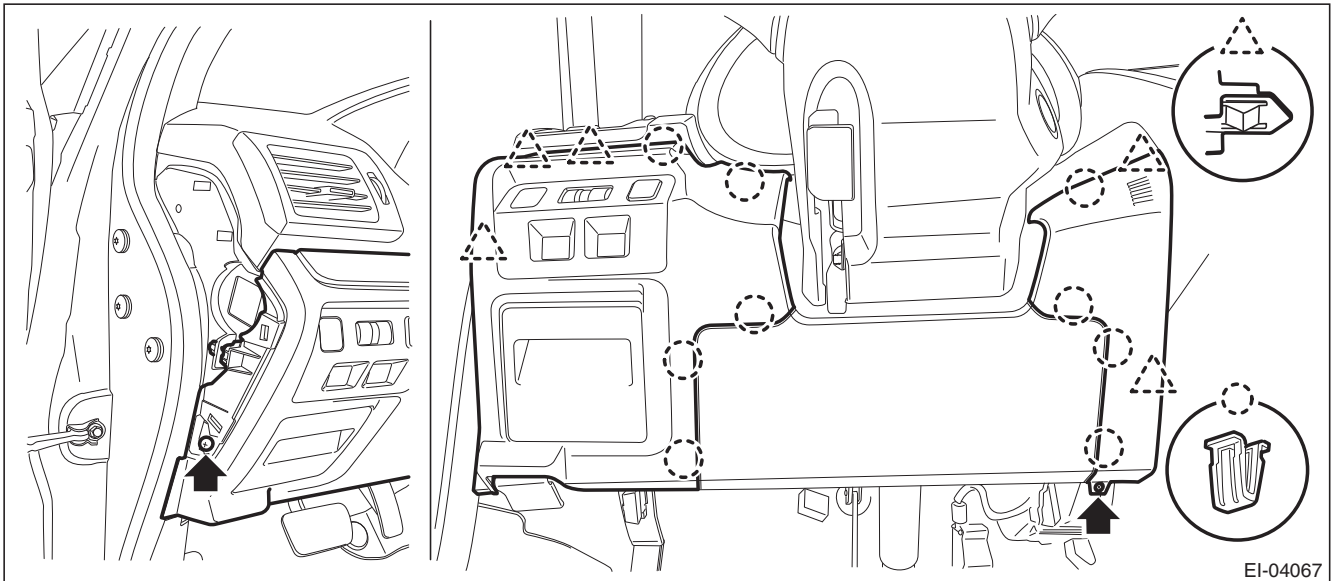


- (1) Remove the screws and release the clips and claws.

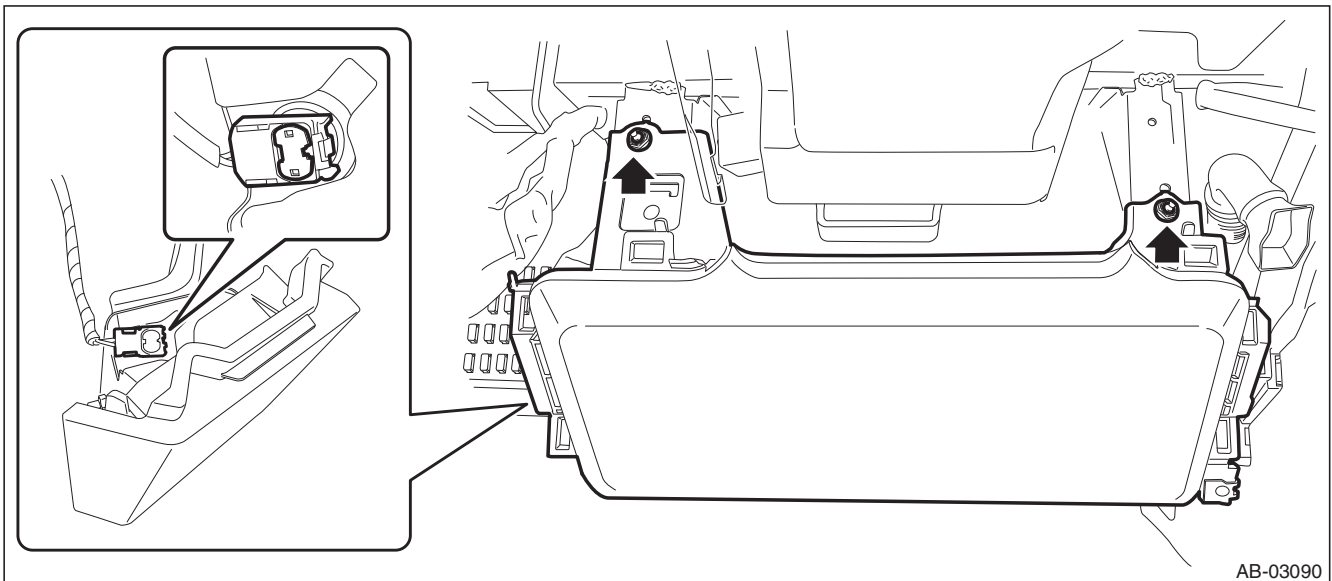
Knee Airbag Module

AIRBAG SYSTEM

- (2) Disconnect the harness connectors, and remove the cover assembly - instrument panel LWR driver INN and the cover assembly - instrument panel LWR driver OUT.



- 5) Remove the nuts to remove the knee airbag module and disconnect the harness connector. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

- Do not allow harness and connectors to interfere or get tangled up with other parts.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Airbag module is cracked or deformed.

- Knee airbag module bracket is cracked or deformed.

- Harness and/or connector is cracked, deformed or open.

- Harness wire is exposed.

- Depending on the condition of the beam COMPL - steering, installation of the knee airbag module is difficult.

2) Install each part in the reverse order of removal.

Tightening torque:

Knee airbag module: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)



Passenger's Airbag Module

AIRBAG SYSTEM

6. Passenger's Airbag Module

A: REMOVAL

CAUTION:

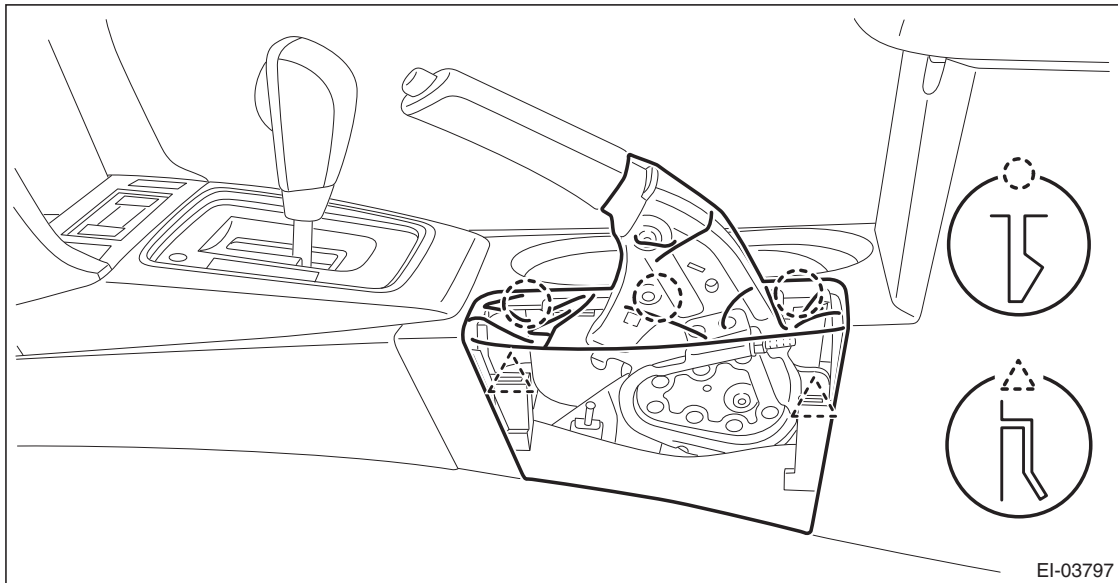
Refer to "CAUTION" of "General Description" before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

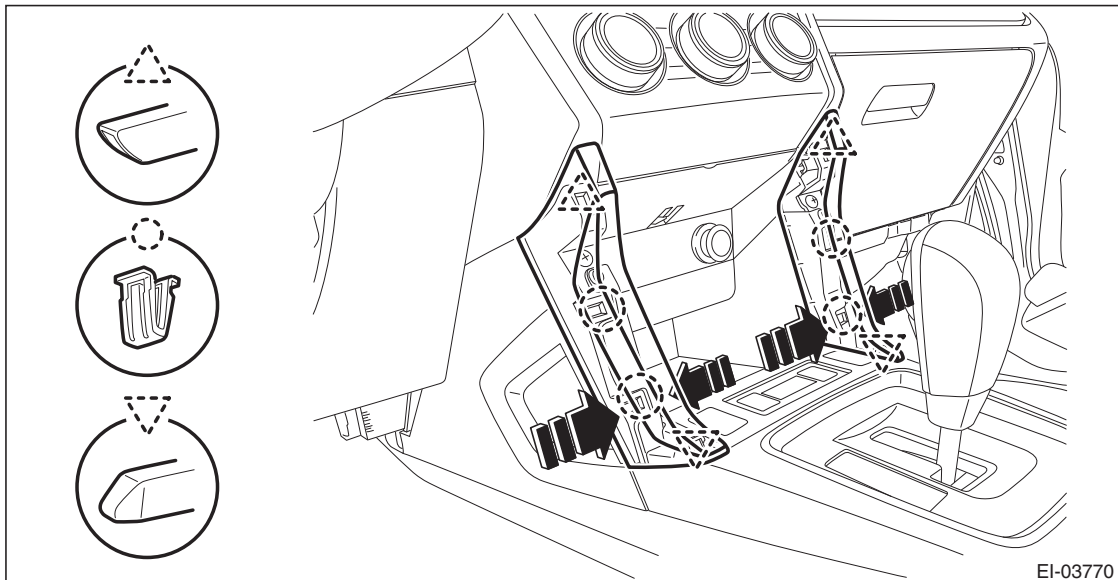
NOTE:

On CVT models, shift the select lever into "N" before disconnecting the battery ground cable.

- 3) Release the claws, and then remove the boot - hand brake.



- 4) Release the clips, and remove the ornament panel - console.



NOTE:

Removal is easier if you grab the arrow sections from right and left and pull them at the same time.

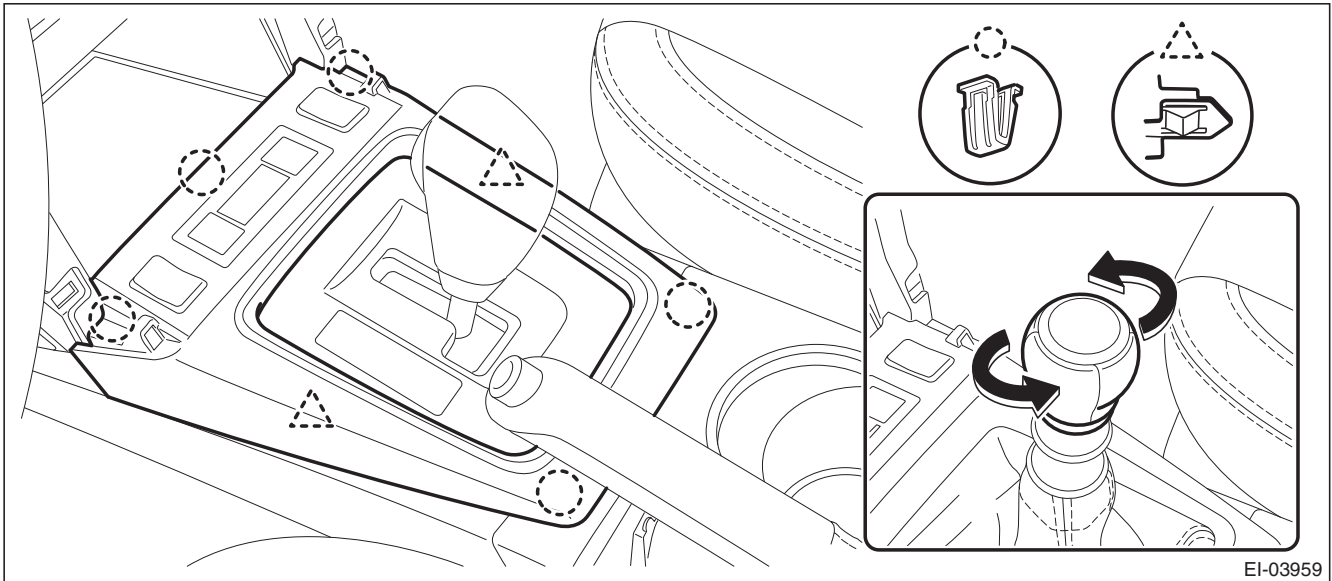
Passenger's Airbag Module

AIRBAG SYSTEM

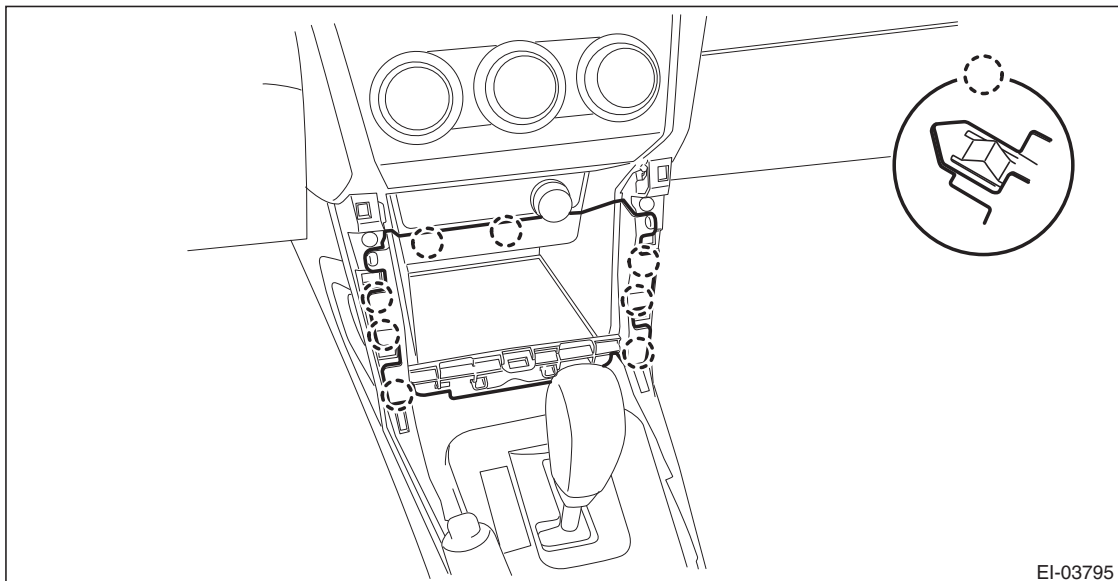
5) Remove the cover - shift lever.

(1) Remove the shift knob. (MT model)

(2) Release the clips and claws, then pull up the cover - shift lever.



6) Release the claws, and remove the tray assembly - CTR LWR.

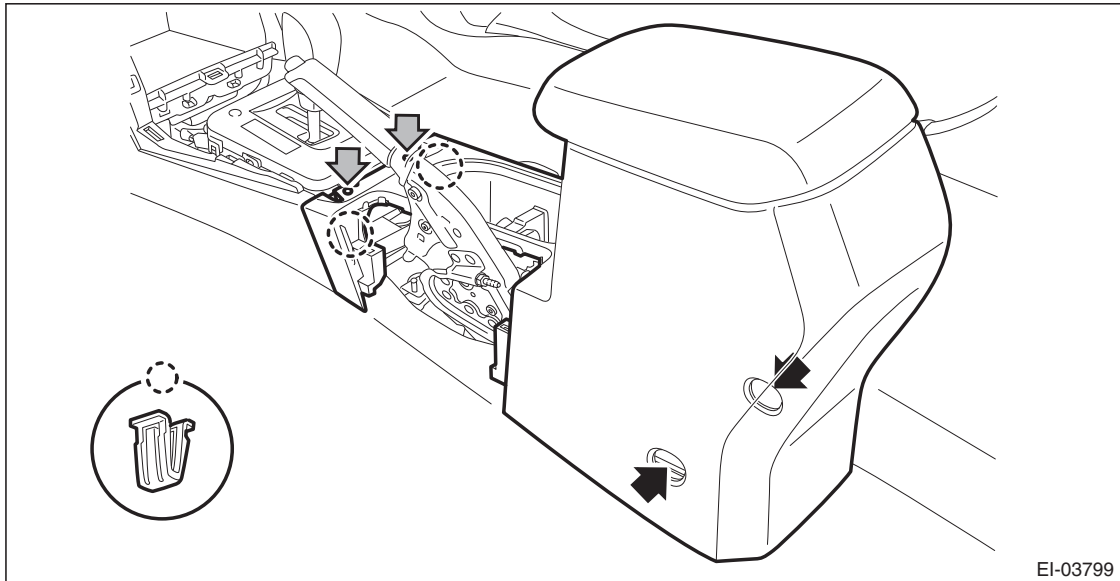


Passenger's Airbag Module

AIRBAG SYSTEM

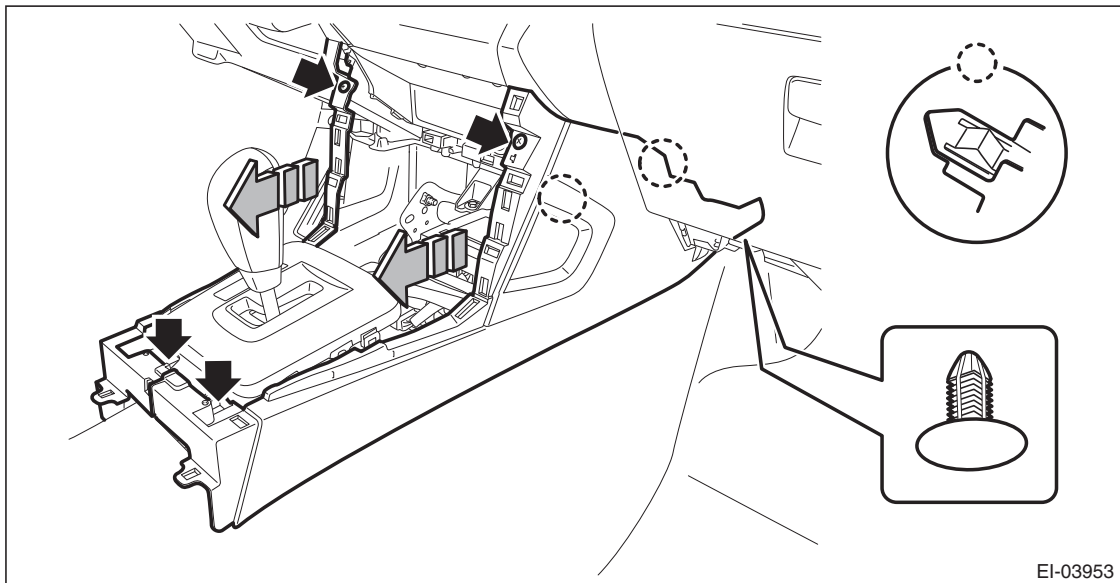
7) Remove the console box assembly.

- (1) Move the seat forward, and remove the bolts after detaching the left and right caps.
- (2) Remove the bolts, disconnect the harness connector and remove the console box assembly.



8) Remove the left and right panel center LWR.

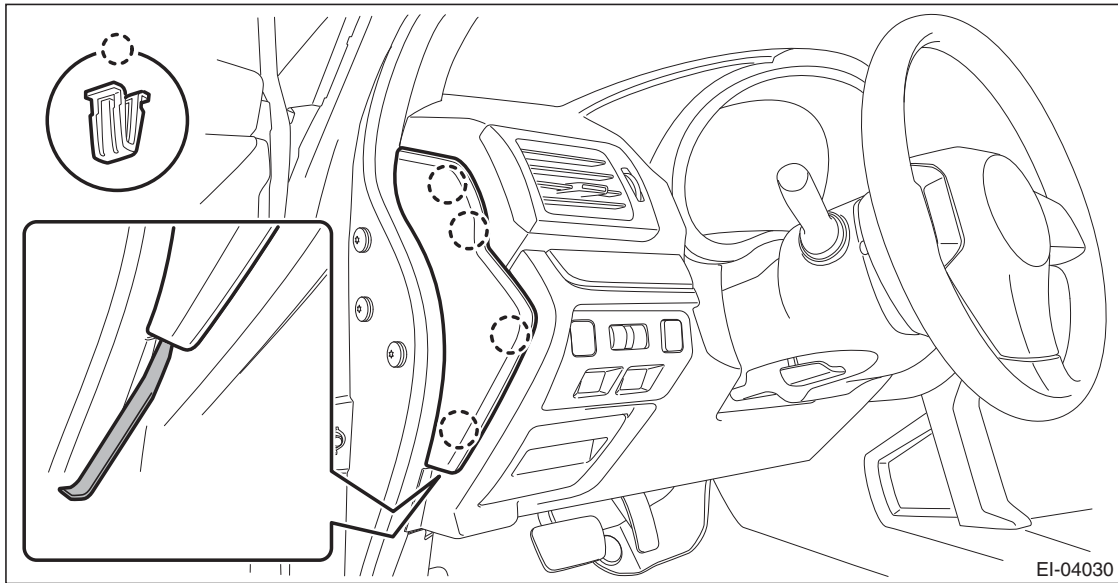
- (1) Remove the screws and clips.
- (2) Release the claws, and then pull the panel center LWR to remove.



Passenger's Airbag Module

AIRBAG SYSTEM

9) Remove the clips, and remove the cover - instrument panel side LH.



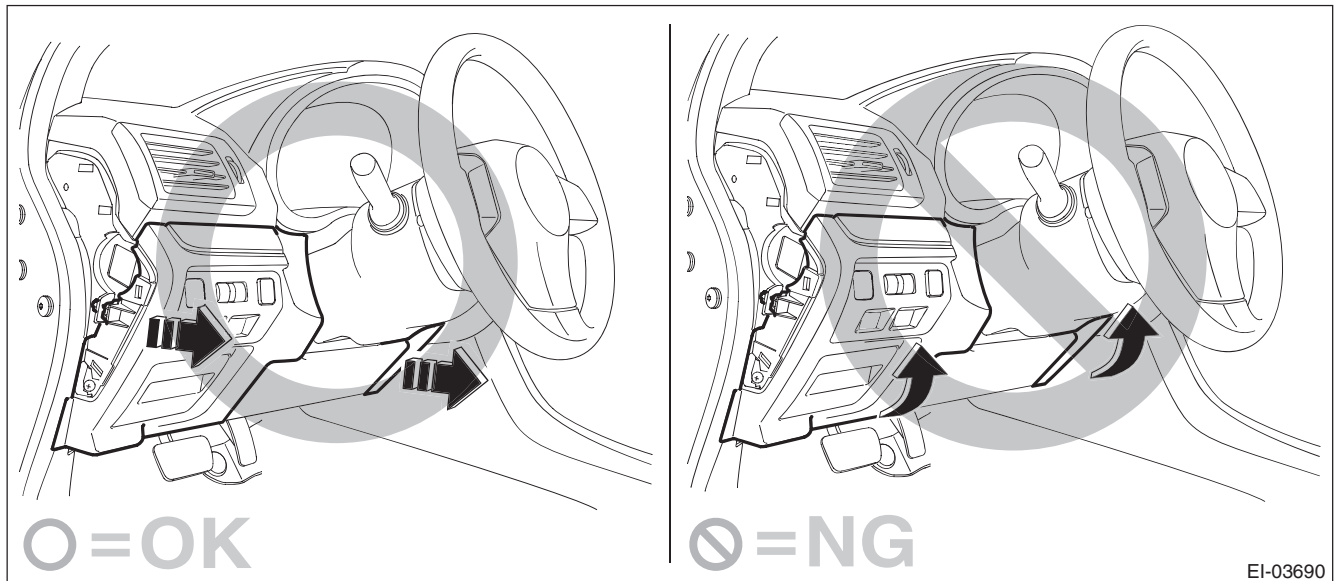
NOTE:

Using a plastic remover, open the cover - instrument panel side LH.

10) Remove the cover assembly - instrument panel LWR driver.

CAUTION:

When removing the cover assembly - instrument panel LWR driver, be sure to pull it toward you. If attempting to remove by turning it upward, the claws may be damaged.

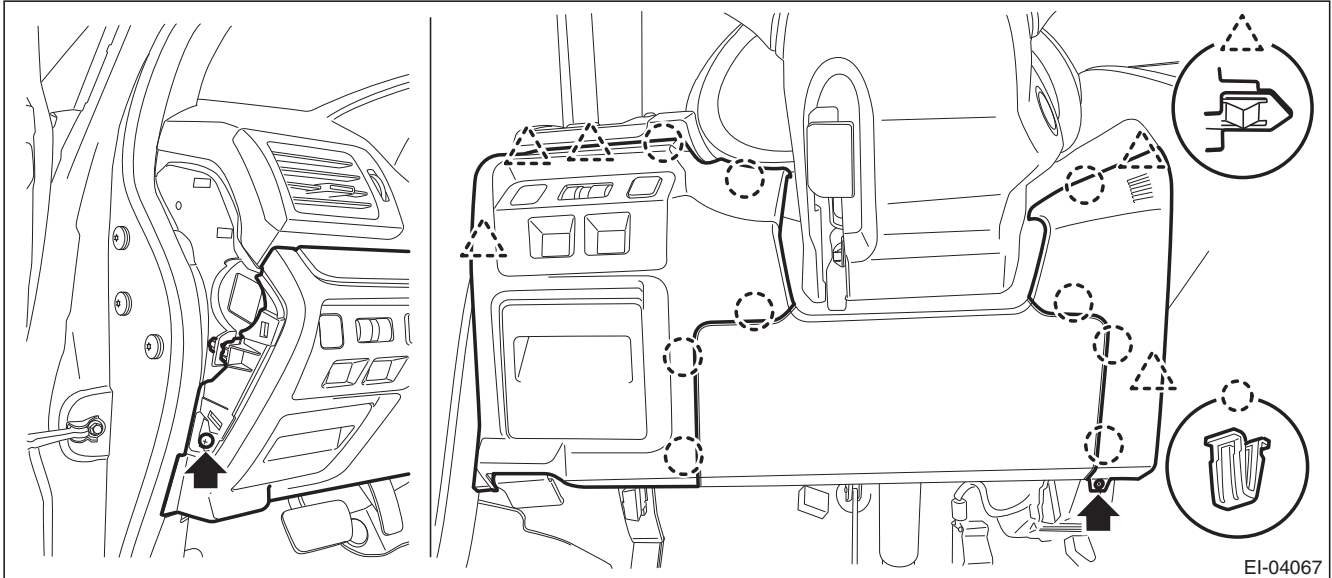


(1) Remove the screws and release the clips and claws.

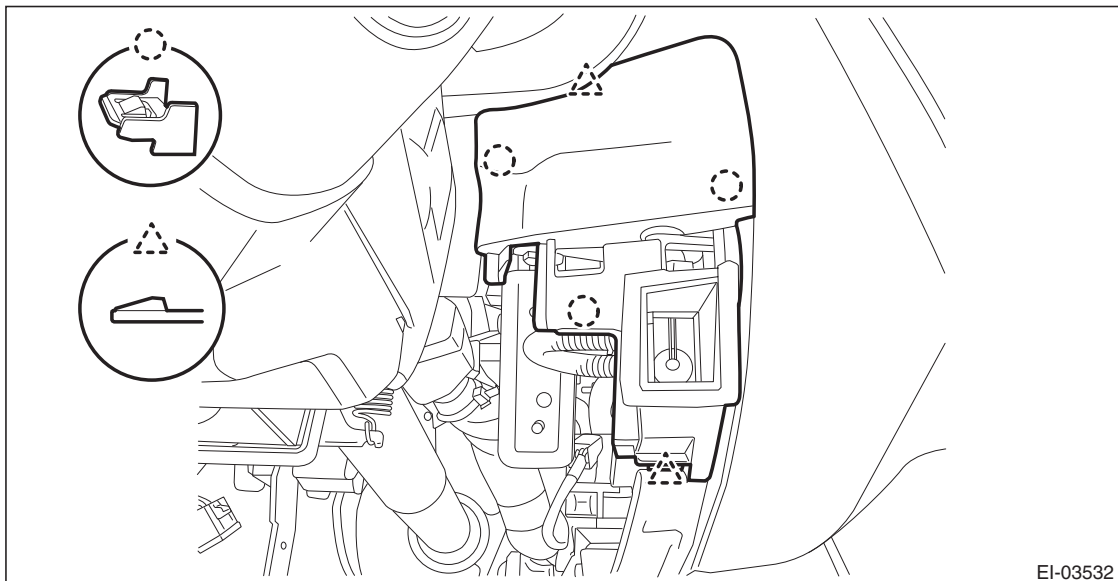
Passenger's Airbag Module

AIRBAG SYSTEM

- (2) Disconnect the harness connectors, and remove the cover assembly - instrument panel LWR driver INN and OUT.



- 11) Remove the cover switch - starter.
- (1) Release the claws and remove the cover switch - starter.
 - (2) Disconnect the connector and aspirator hose.

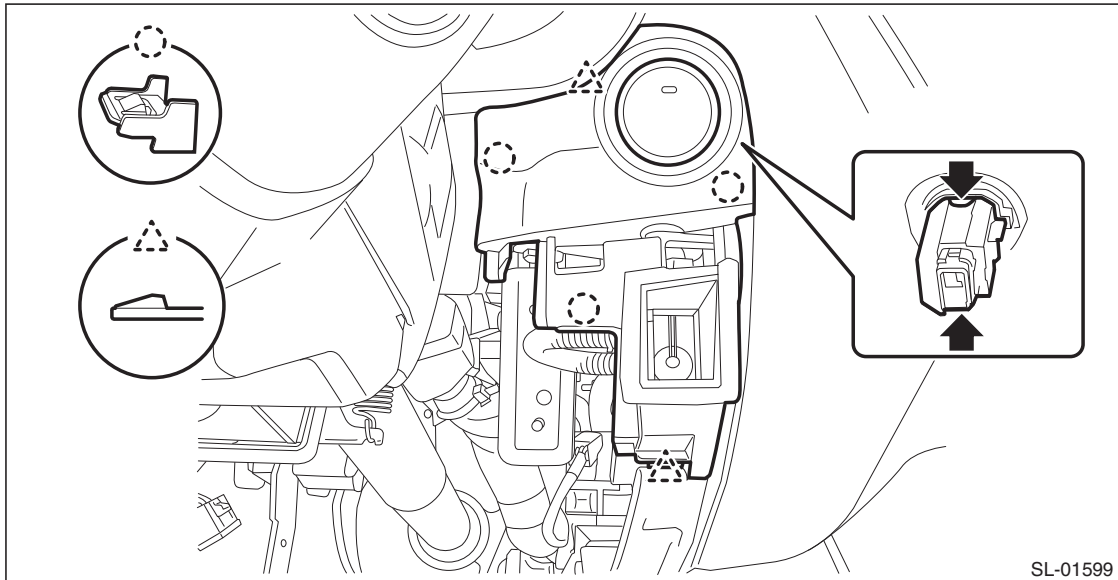


Passenger's Airbag Module

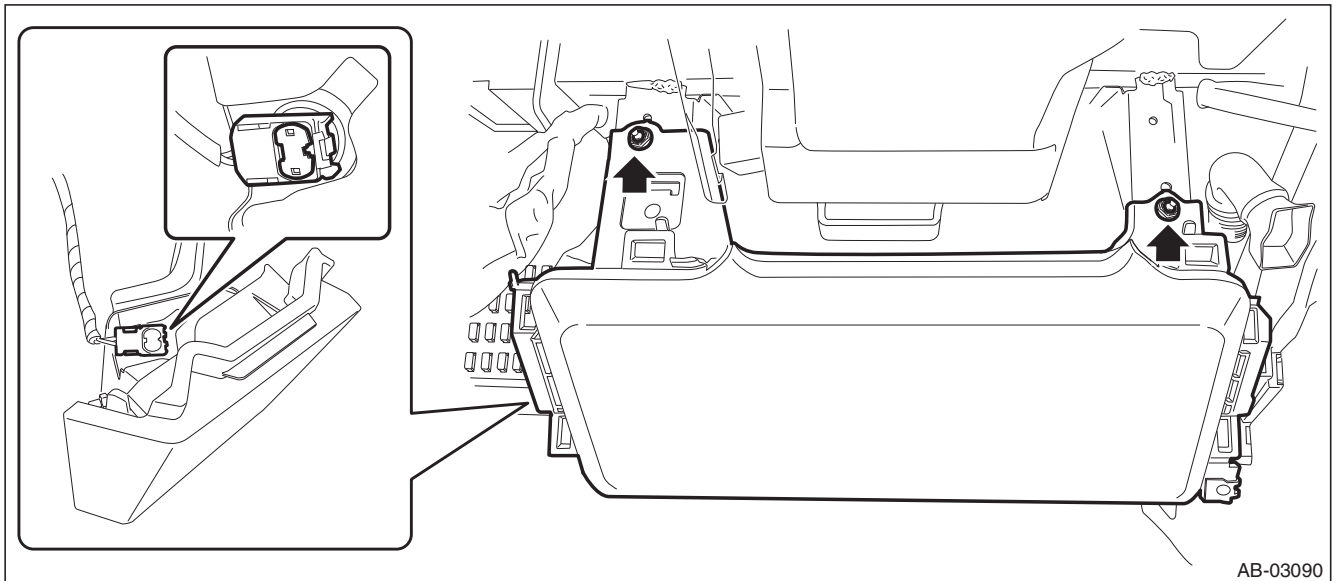
AIRBAG SYSTEM

12) Remove the panel - switch. (Model with keyless access)

- (1) Release the claws of the push button ignition switch, and disconnect the connector.
- (2) Release the claws, and then remove the panel - switch.
- (3) Disconnect the connector and aspirator hose.



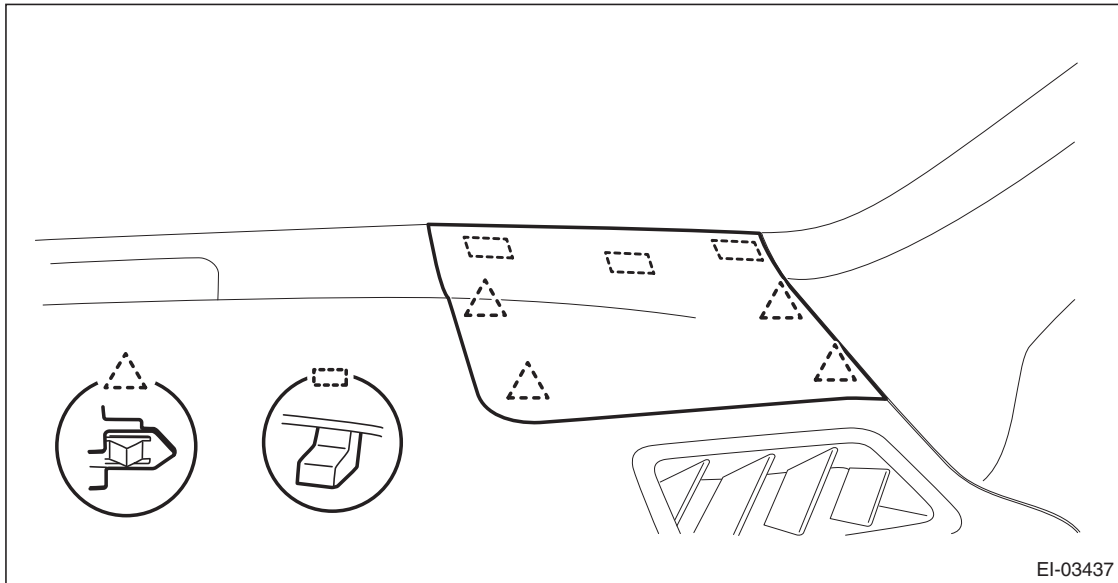
13) Remove the nuts to remove the knee airbag module and disconnect the harness connector. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



Passenger's Airbag Module

AIRBAG SYSTEM

14) Release the clips and claws, then detach the left and right grille speaker side.



NOTE:

Remove the grille speaker side by using a plastic remover.

15) Remove the trim panel - front pillar UPR on the left and right sides.

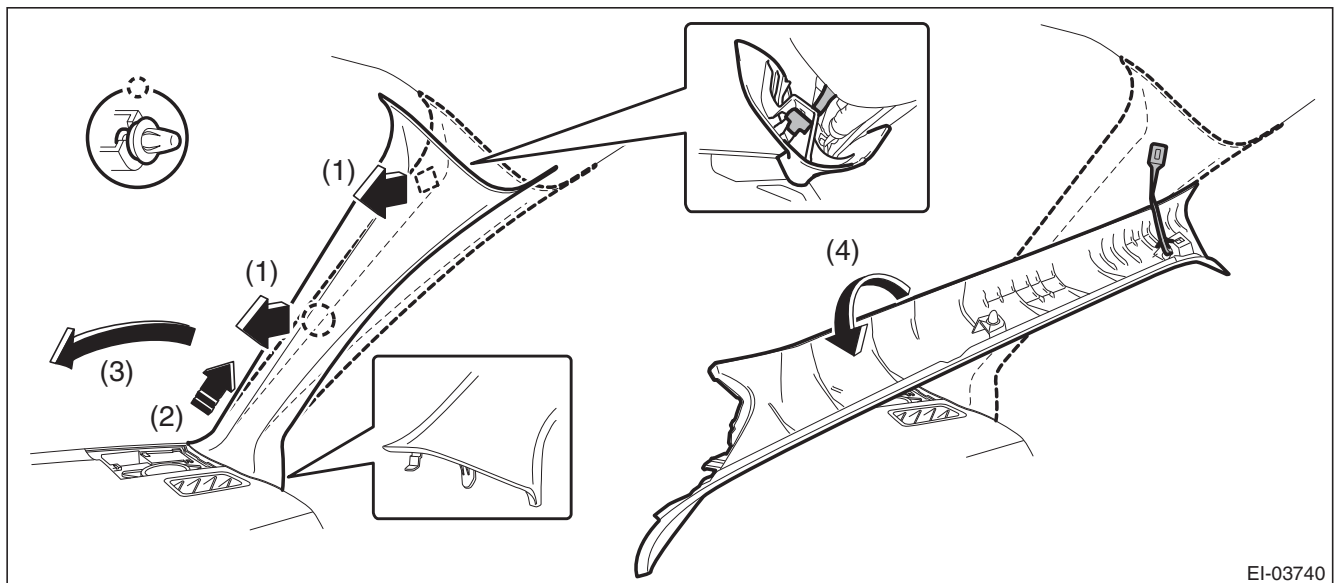
CAUTION:

Be careful not to damage the trim panel surface and curtain airbag module.

- (1) Pull the trim panel - front pillar UPR towards the center of the vehicle to release the clips.
- (2) Pull out the end portion of the trim panel - front pillar UPR.
- (3) Pull out the trim panel - front pillar UPR towards the center of the vehicle.
- (4) Rotate the trim panel - front pillar UPR, release the tether clips, and remove the trim panel - front pillar UPR.

CAUTION:

Do not use tools when releasing the tether clip. If the tether clip is damaged, replace it with a new tether clip.

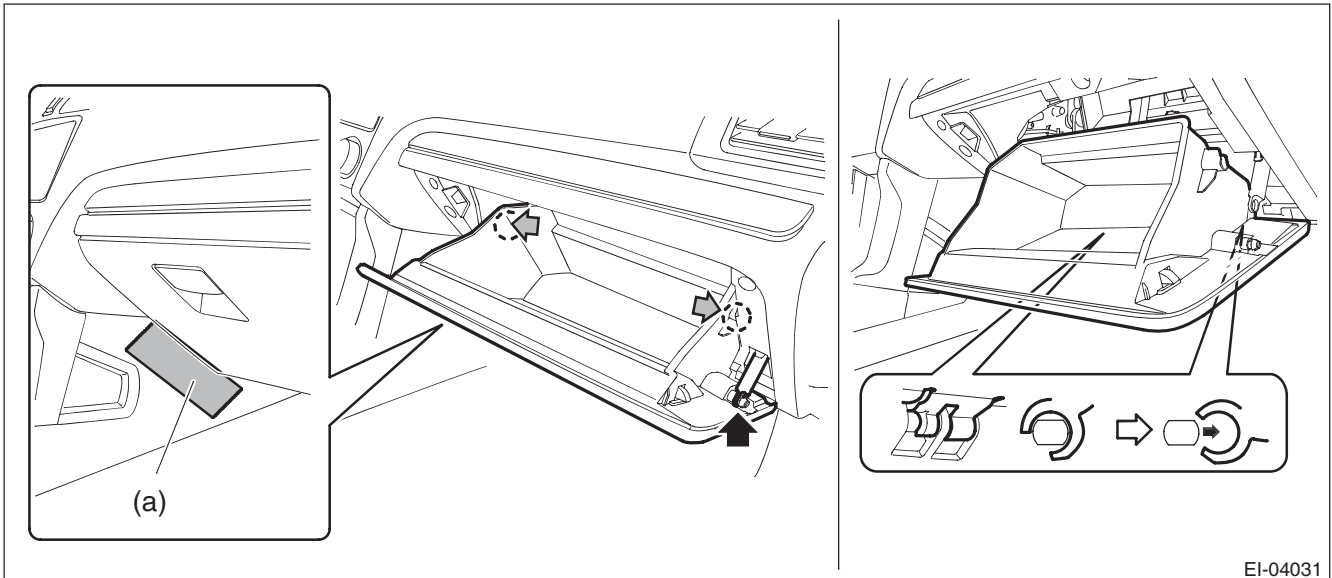


Passenger's Airbag Module

AIRBAG SYSTEM

16) Remove the pocket assembly.

- (1) Attach the protective tape (a) to the panel center LWR.
- (2) Remove the damper COMPL - pocket.
- (3) Release the stoppers and remove the pocket assembly by pulling it toward you.



EI-04031

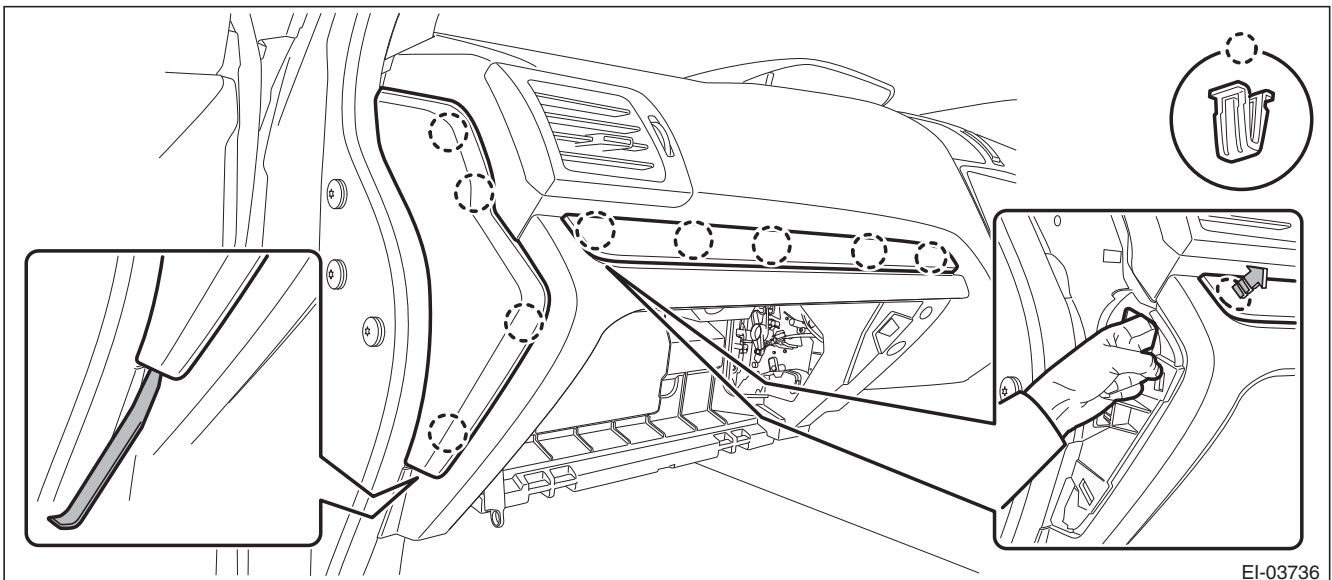
17) Remove the back panel - pocket.

- (1) Remove the clips, and remove the cover - instrument panel side RH.

NOTE:

Remove the cover - instrument panel side RH by using a plastic remover.

- (2) Release the clips, and remove the ornament - panel assembly passenger.



EI-03736

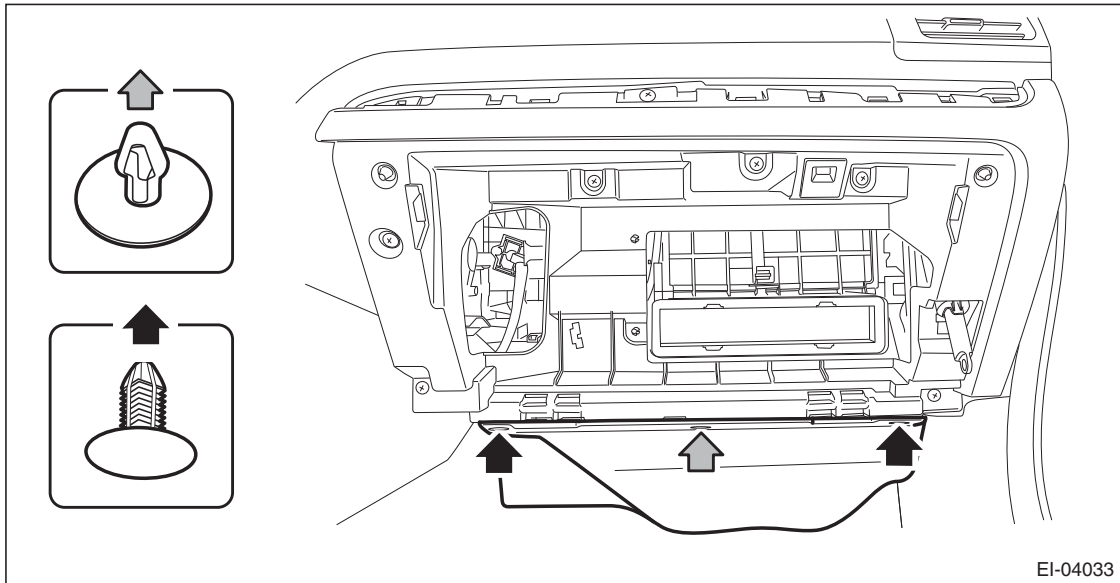
NOTE:

To facilitate the removal, push the clip of the ornament - panel assembly passenger from the backside.

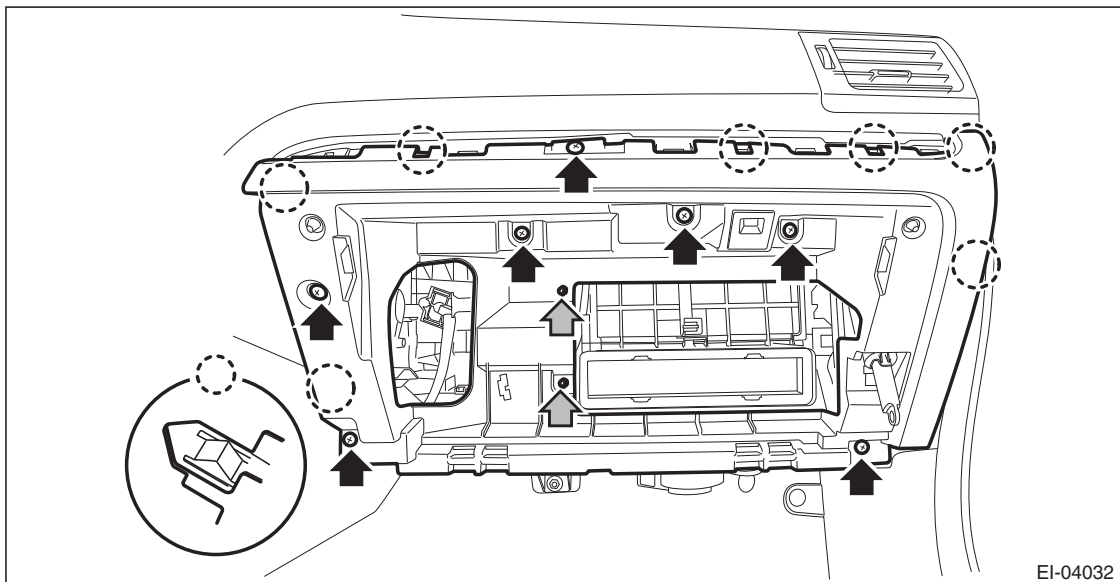
Passenger's Airbag Module

AIRBAG SYSTEM

- (3) Release the clips, and remove the glove box under cover.



- (4) Release the claws and remove the screws, then remove the back panel - pocket.

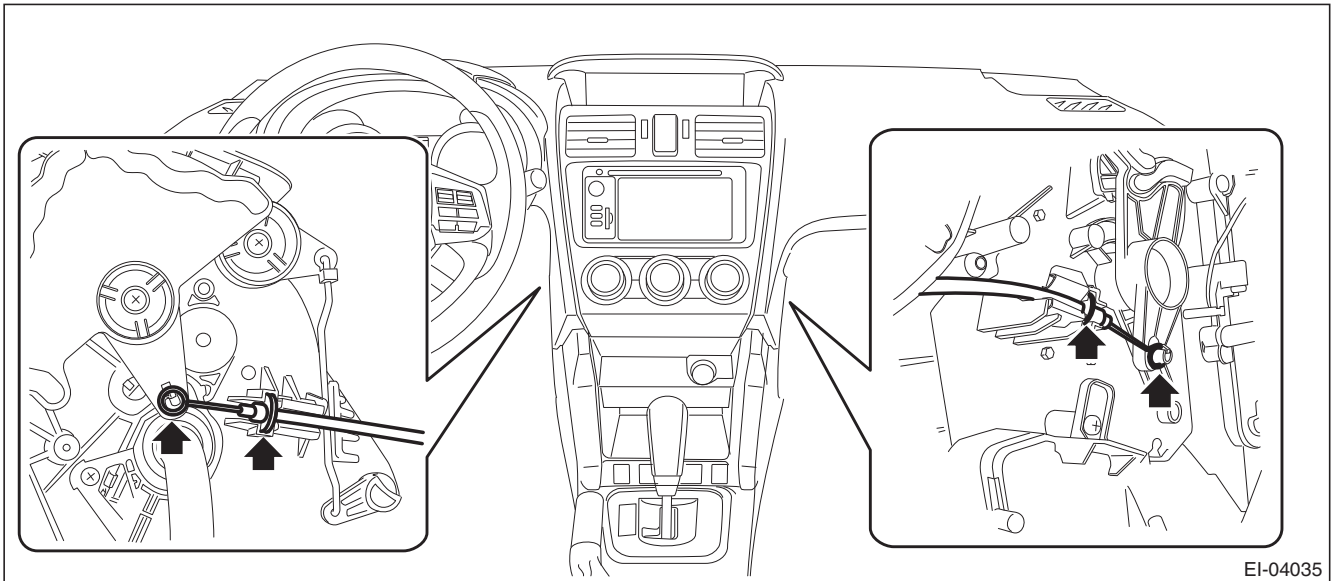


- (5) Disconnect the glove box light LED connector.

Passenger's Airbag Module

AIRBAG SYSTEM

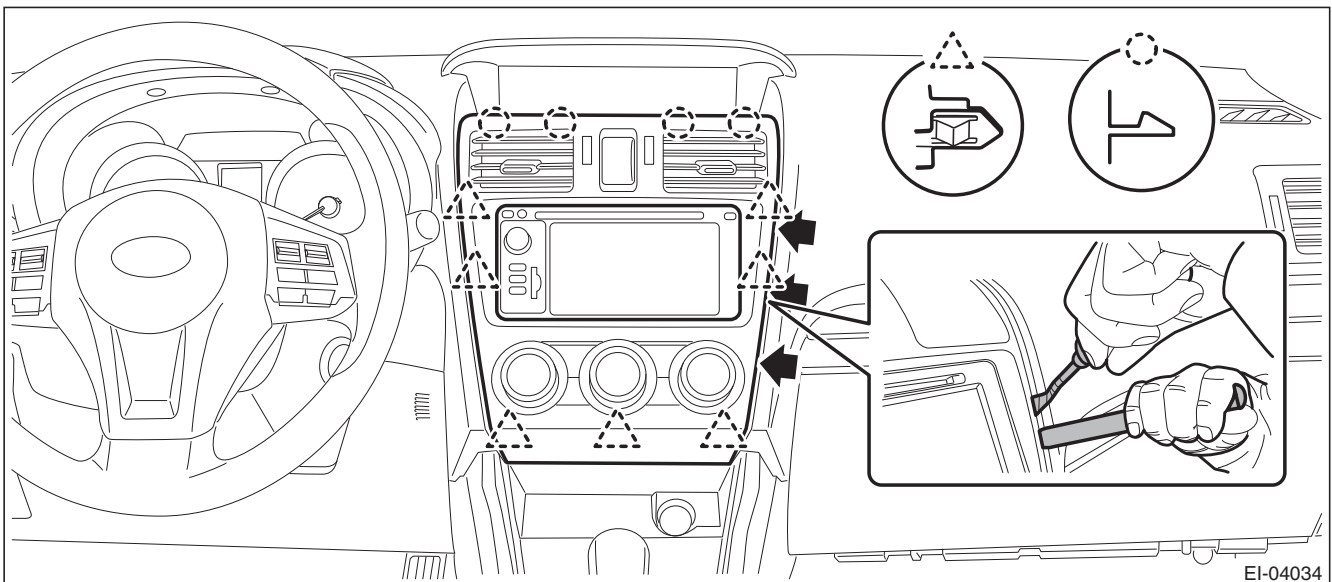
18) On manual A/C models, disconnect the control cables from both sides of the heater & cooling unit.



19) Remove the panel center assembly.

CAUTION:

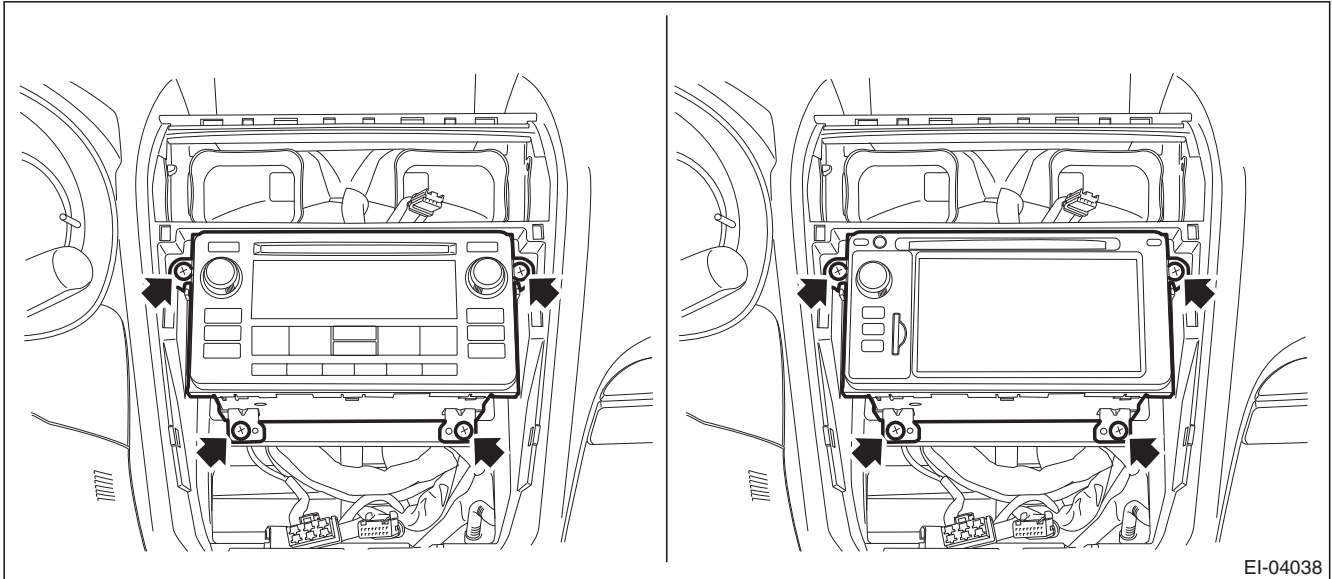
- Do not put your finger on the fin of the air vent grille. Doing so may damage the fin.
 - Pull the panel center assembly slowly. Pulling with excessive force may damage the connector.
- (1) Insert a plastic remover to the three areas shown by the arrows, and slightly lift up the panel center assembly.
 - (2) With the panel center assembly lifted up slightly, release the claw by using a clip remover wrapped with protective tape.
 - (3) Release the rest of the claws, and pull out the panel center assembly.
 - (4) Disconnect the connectors, and remove the panel center assembly.



Passenger's Airbag Module

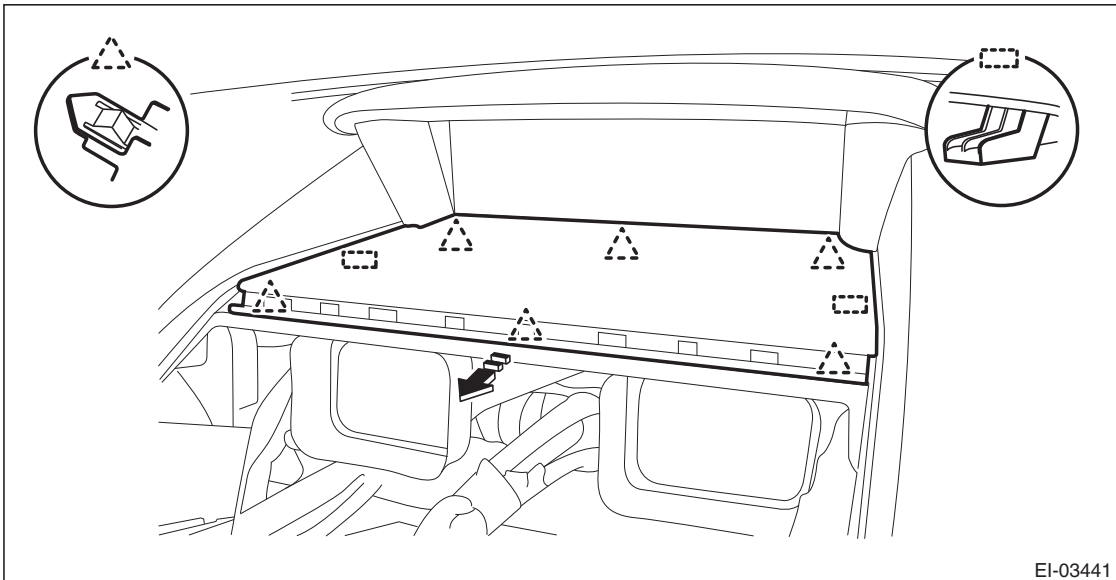
AIRBAG SYSTEM

- 20) Remove the audio assembly or navigation assembly.
- (1) Remove the screws, and partially pull out the audio assembly or navigation assembly.
 - (2) Disconnect the connectors, and remove the audio assembly or navigation assembly.



EI-04038

- 21) Remove the multi-function display assembly.
- (1) Disconnect the claws and then remove the cover center UPR.



EI-03441

NOTE:

Lightly push up the back of the cover center UPR, hook the finger to the end portion and pull it toward you to remove it.

- (2) Release the screws and claws, and then remove the panel - display UPR and the panel - display LWR.

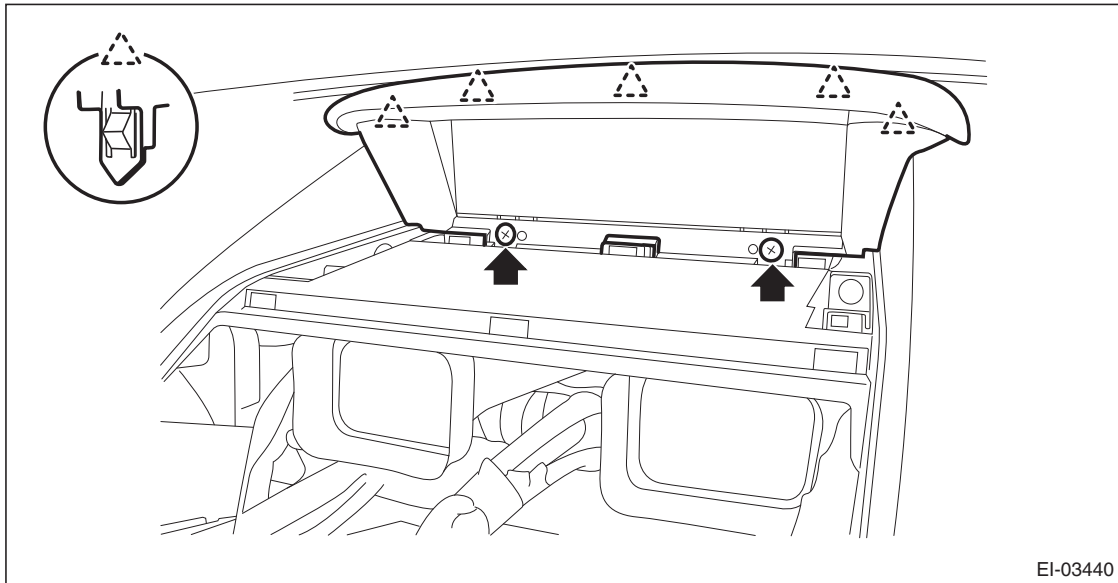
NOTE:

Remove the panel - display UPR & panel - display LWR and the multi-function display assembly as a unit.

Passenger's Airbag Module

AIRBAG SYSTEM

- (3) Disconnect the connector and remove the multi-function display assembly.

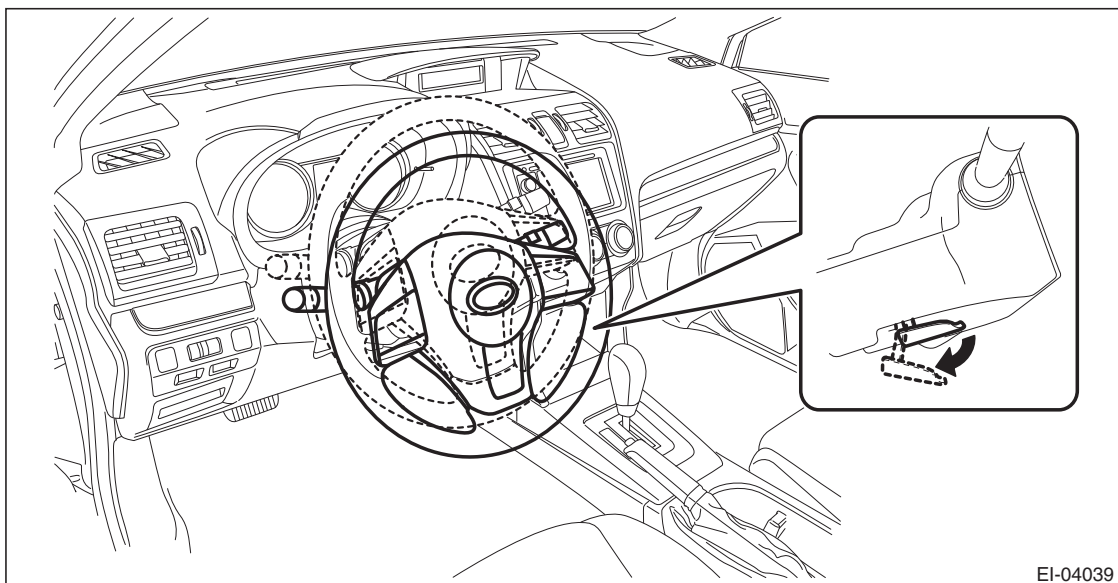


- 22) Remove the combination meter assembly.

CAUTION:

- Be careful not to damage the meter or instrument panel.
- Pay particular attention to avoid damaging the meter glass.

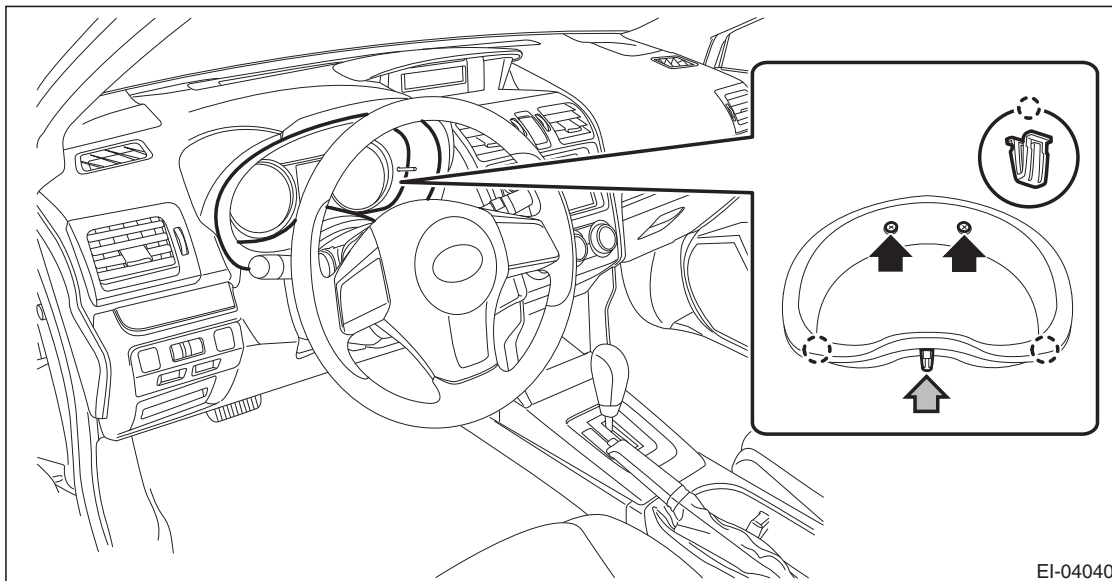
- (1) Release the lock, tilt the steering column to the lowest end and fully extend the column by the telescopic system.



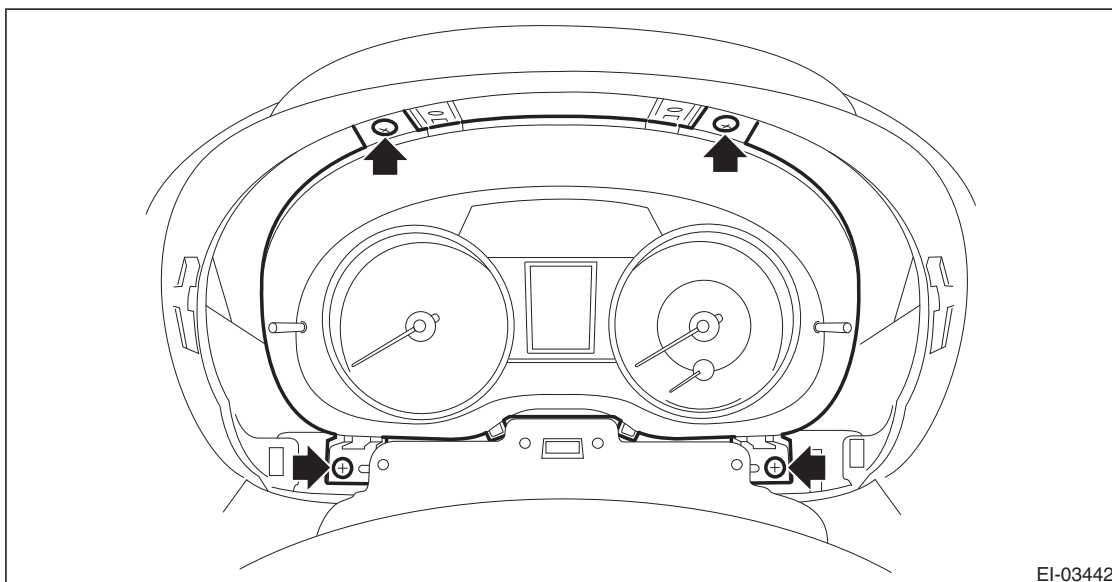
Passenger's Airbag Module

AIRBAG SYSTEM

- (2) Release the screws and clips, then detach the visor - combination meter.



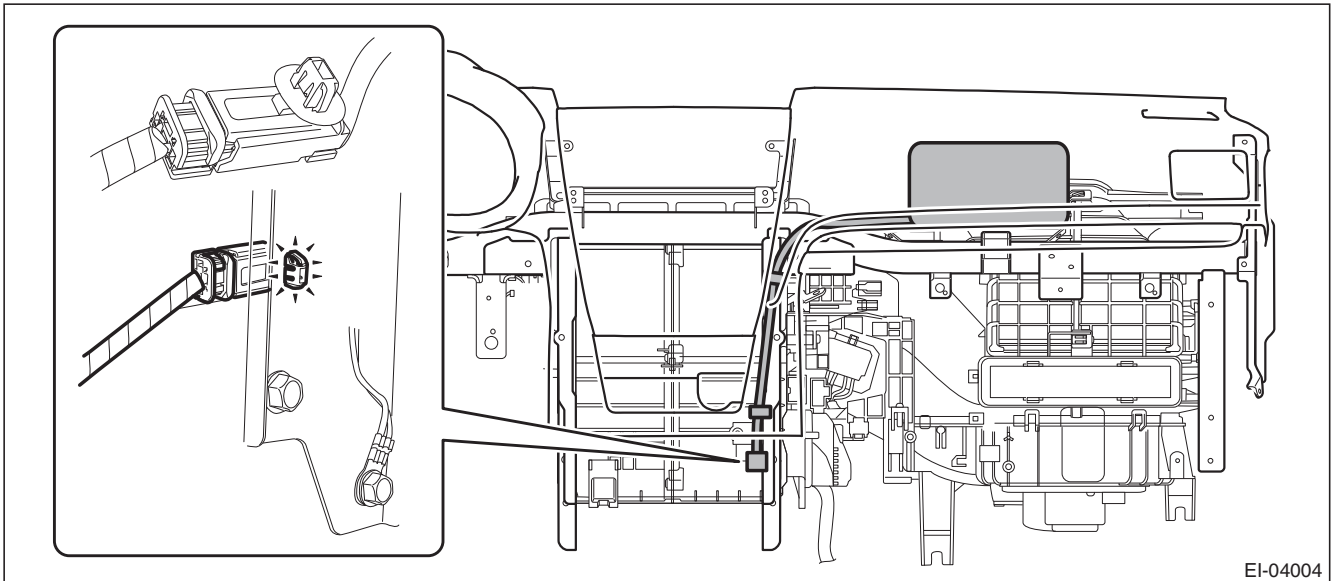
- (3) Remove the screws, disconnect the connector and remove the combination meter assembly.



Passenger's Airbag Module

AIRBAG SYSTEM

23) Disconnect the passenger's airbag module connector. <Ref. to AB-20, PASSENGER'S AIRBAG MODULE, PROCEDURE, Airbag Connector.>



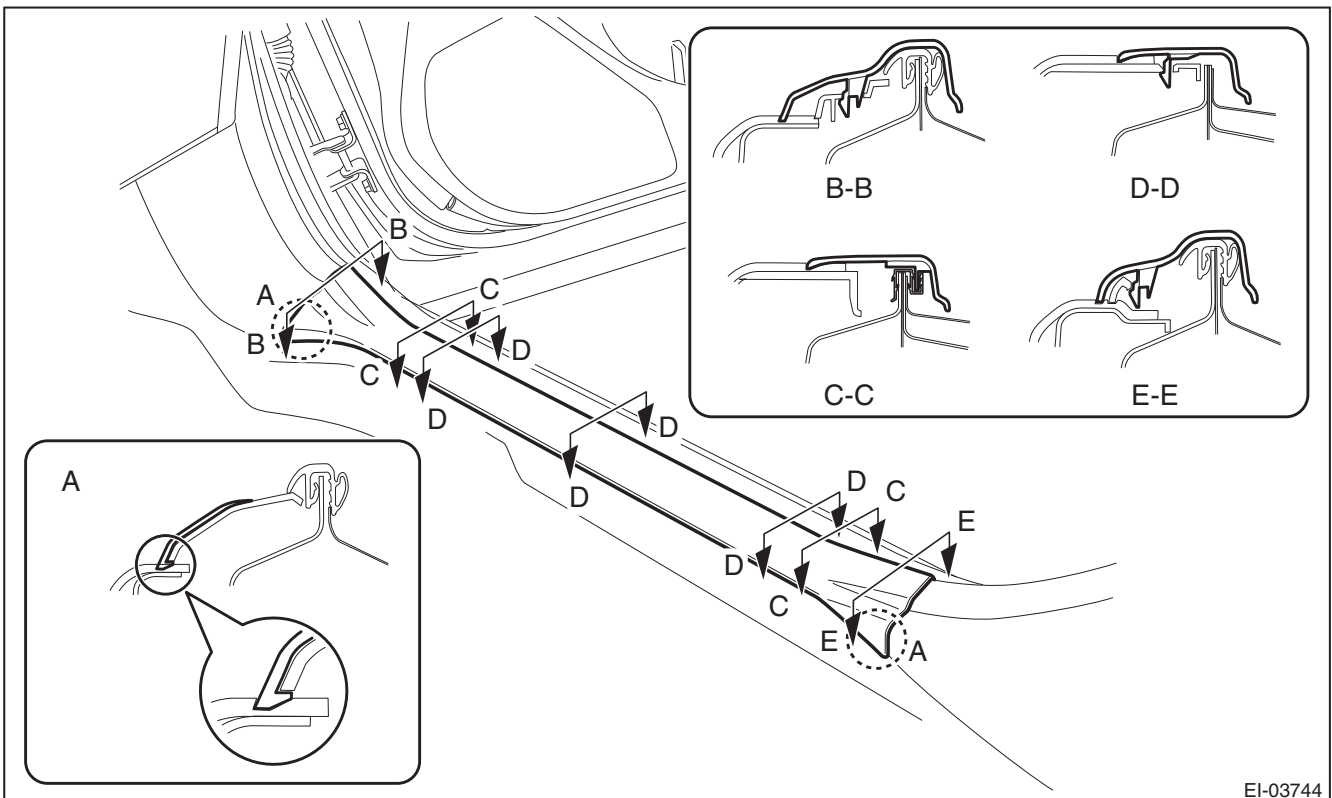
EI-04004

24) Remove the column assembly - steering. <Ref. to PS-18, REMOVAL, Steering Column.>

25) Release the claws, and then remove the cover side sill - front INN on LH and RH sides.

CAUTION:

Do not pull with excessive force. Doing so may damage the claws of the cover side sill - front INN.

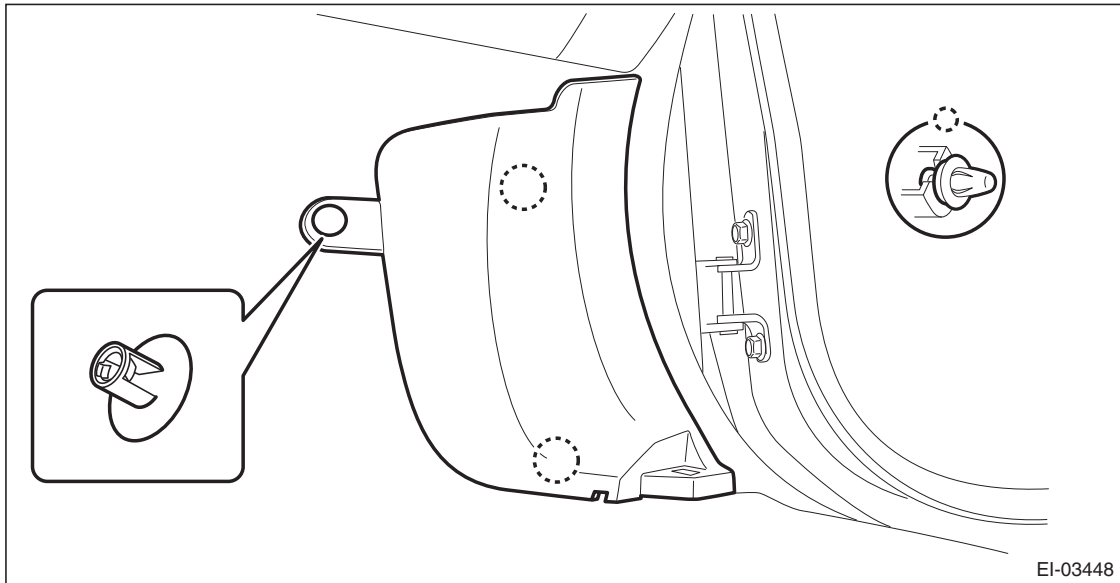


EI-03744

Passenger's Airbag Module

AIRBAG SYSTEM

26) Remove the clip, and remove the cover side sill - front on LH and RH sides.



27) Remove the instrument panel assembly and the beam COMPL - steering as a unit.

CAUTION:

The instrument panel assembly and the beam COMPL - steering are heavy. Always work in a team of two persons when removing them from the vehicle, so as not to damage the vehicle interior.

- (1) Remove the fuse box and relay box.
- (2) Disconnect all harness clamps and connectors of the instrument panel harness.
- (3) Remove the TORX® bolt. (a), (b)

Preparation tool:

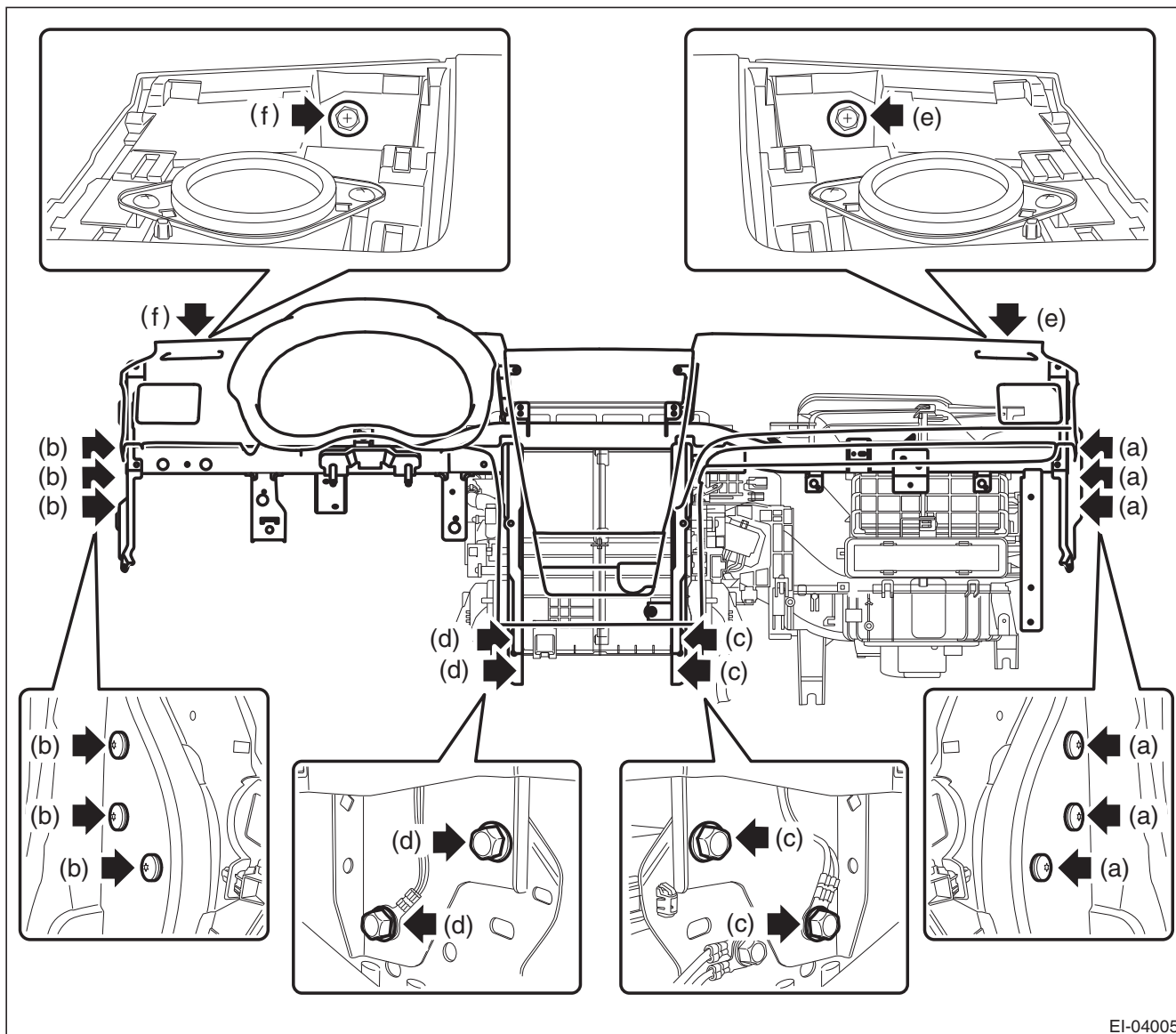
TORX® T40

- (4) Remove the bolts at the floor center. (c), (d)

Passenger's Airbag Module

AIRBAG SYSTEM

(5) Remove the bolt. (e), (f)



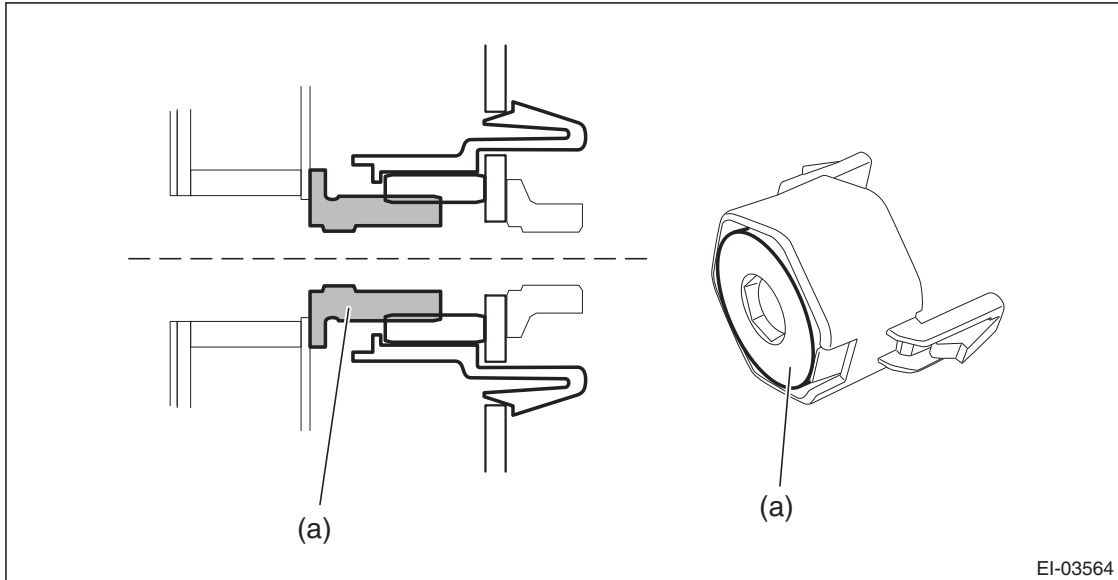
Passenger's Airbag Module

AIRBAG SYSTEM

(6) Loosen the adjuster portion (a) of the adjuster - clip space. (only passenger's side of beam COMPL - steering)

Preparation tool:

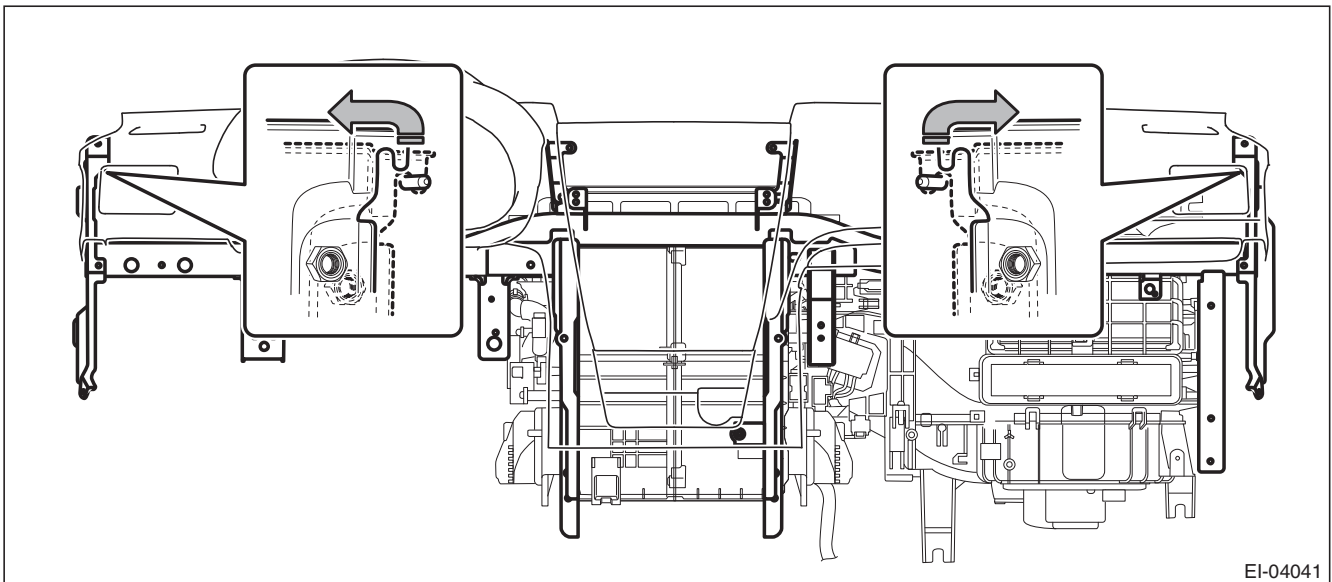
Hexagon wrench: 8 mm (0.31 in)



(7) Slightly lift the instrument panel assembly together with the beam COMPL - steering to detach the left and right pins. Then pull it toward you to remove the assembly.

CAUTION:

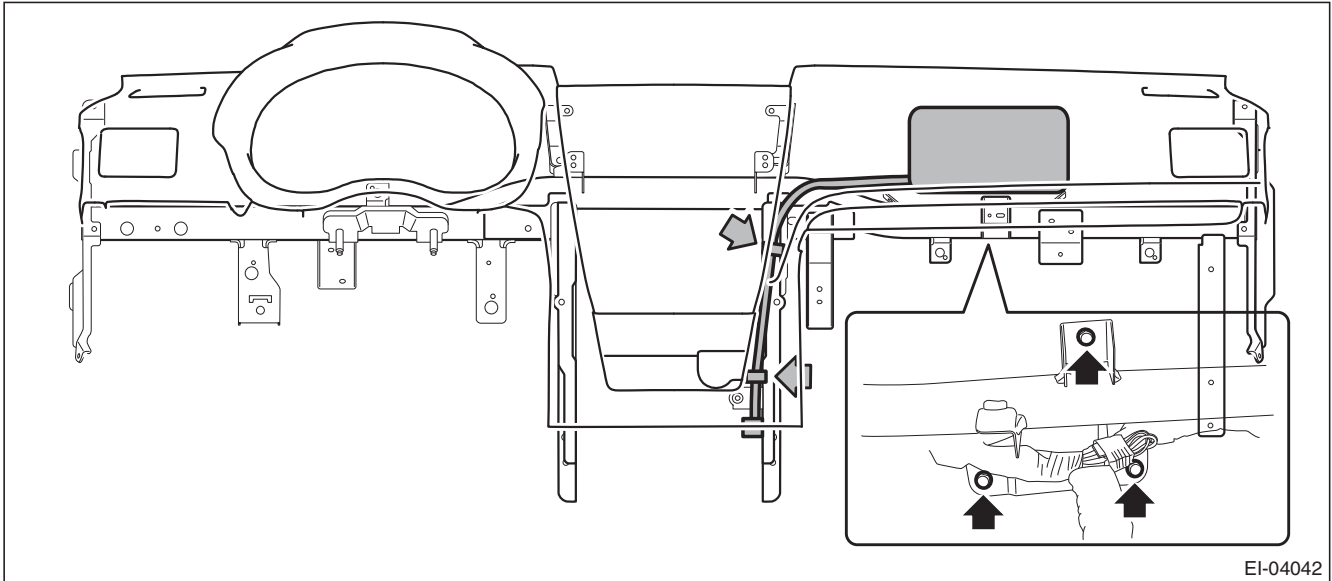
- Check that all harness clamps and connectors are detached.
- The instrument panel assembly and the beam COMPL - steering are heavy. Always work in a team of two persons when removing them from the vehicle, so as not to damage the vehicle interior.



Passenger's Airbag Module

AIRBAG SYSTEM

- 28) Separate the panel COMPL - instrument and the beam COMPL - steering.
(1) Remove the clamps and bolts of the passenger's airbag module harness.



- (2) Remove the left and right speakers and the sensor - sunload.

NOTE:

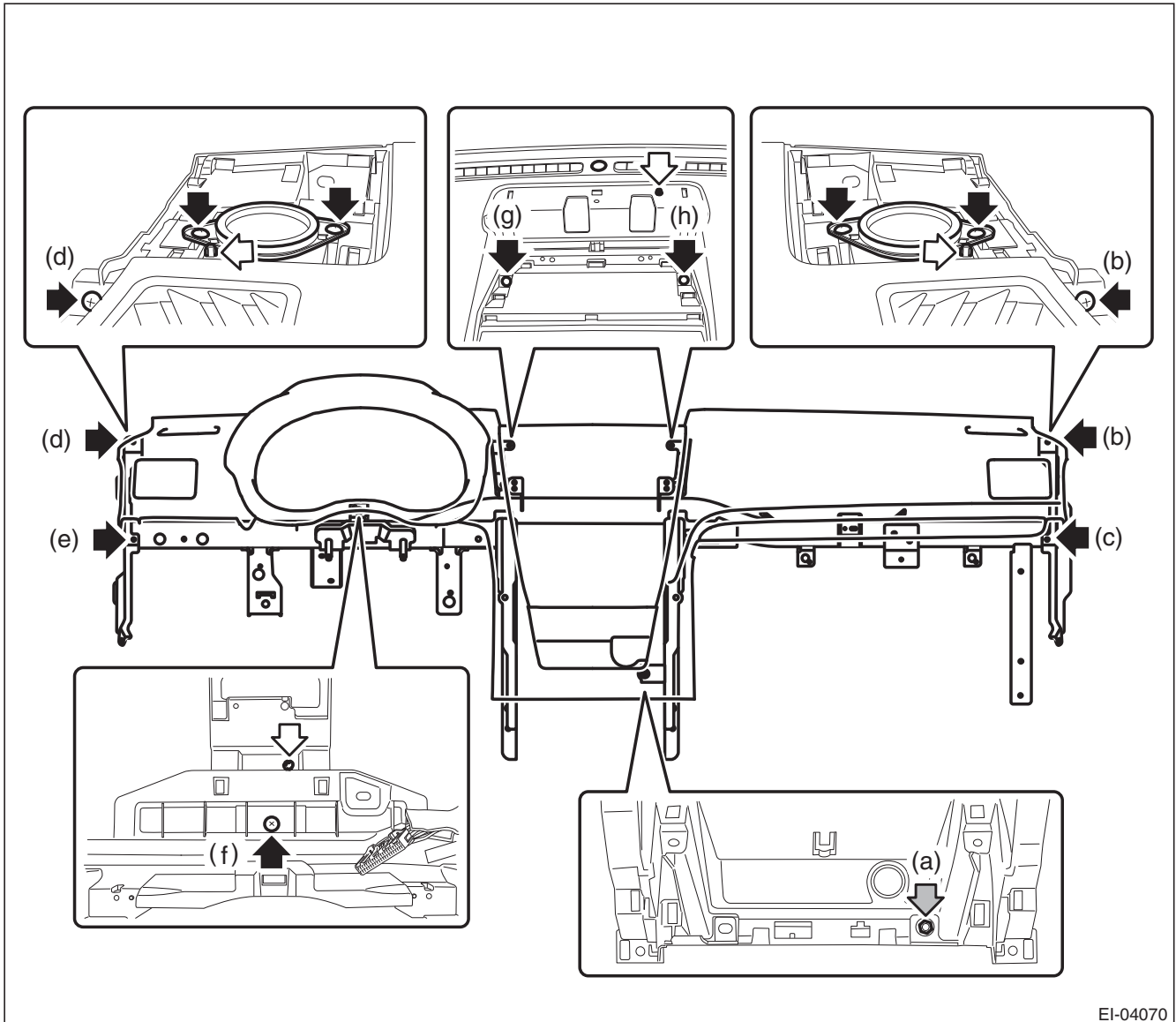
Detach the harness clamp together.

- (3) Disconnect the front accessory socket connector.
(4) Remove the nut (a) and screws (b), (c), (d), (e), (f), (g) and (h).

Passenger's Airbag Module

AIRBAG SYSTEM

(5) While being careful with the harness, separate the panel COMPL - instrument and the beam COMPL - steering.

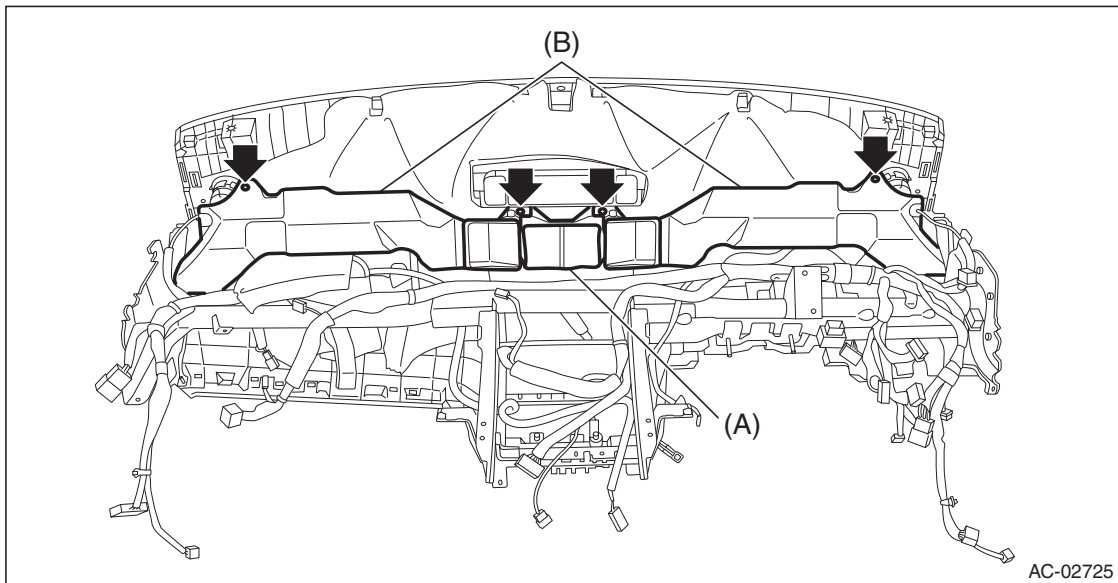


EI-04070

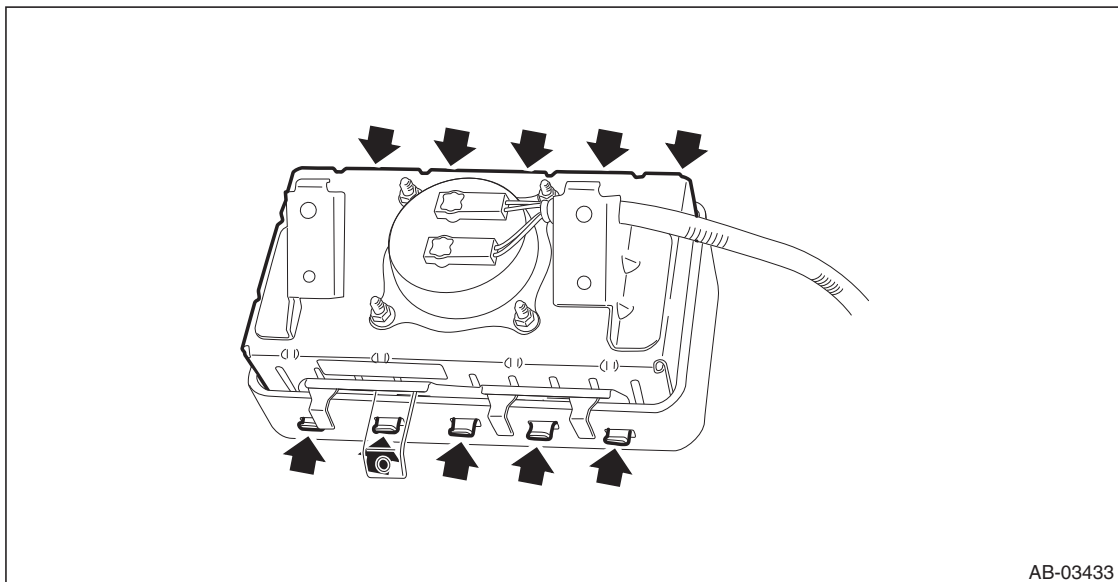
Passenger's Airbag Module

AIRBAG SYSTEM

29) Remove the screws and remove the front (A) and side vent duct LH/RH (B).



30) Remove the claws, and remove the passenger's airbag module.



31) For handling of the removed airbag module, refer to "CAUTION". <Ref. to AB-9, CAUTION, General Description.>

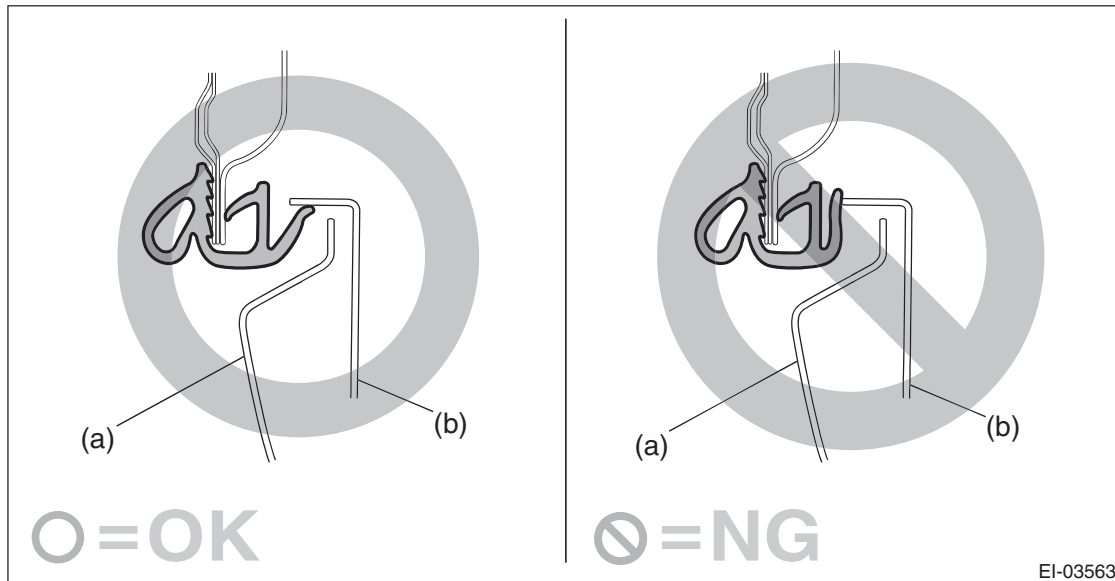
Passenger's Airbag Module

AIRBAG SYSTEM

B: INSTALLATION

CAUTION:

- Refer to "CAUTION" of "General Description" before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>
- Do not allow harness and connectors to interfere or get tangled up with other parts.
- After installing the panel center assembly, check that the air vent grille of the panel center assembly is inserted correctly into the air vent duct.
- When installing the cover - instrument panel side (a), make sure that the body side weather strip - flange front does not come inside the panel COMPL instrument (b).



EI-03563

- Check that there is no damage to the tether clip on the upper part of the trim panel - front pillar UPR. If the tether clip is damaged, always replace it with a new tether clip.
 - Do not reuse the tether clip removed from the upper part of the trim panel - front pillar UPR. Always replace with a new part.
 - Do not reuse the clips in the upper section of the trim panel - center pillar UPR. Always replace with a new part.
- 1) Before installation, inspect the following items and replace any faulty part with a new one.
- Passenger's airbag lid (instrument panel surface) is cracked or deformed.
 - Airbag module is cracked or deformed.
 - Harness and/or connector is cracked, deformed or open.
 - Harness wire is exposed.
 - Mounting bracket is cracked or deformed.
- 2) Install each part in the reverse order of removal.

NOTE:

Refer to the installation procedure of the "Instrument Panel Assembly". <Ref. to EI-89, INSTALLATION, Instrument Panel Assembly.>

7. Side Airbag Module

A: REMOVAL

CAUTION:

Refer to "CAUTION" of "General Description" before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

NOTE:

Remove the passenger's side by referring to driver's side.

- 1) Remove the headrest assembly.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

NOTE:

- For the seat with lifter, set the height to the middle position.
- For the power seat, remove the slide rail installing bolt before removing the battery ground.
- 3) Remove the front seats.

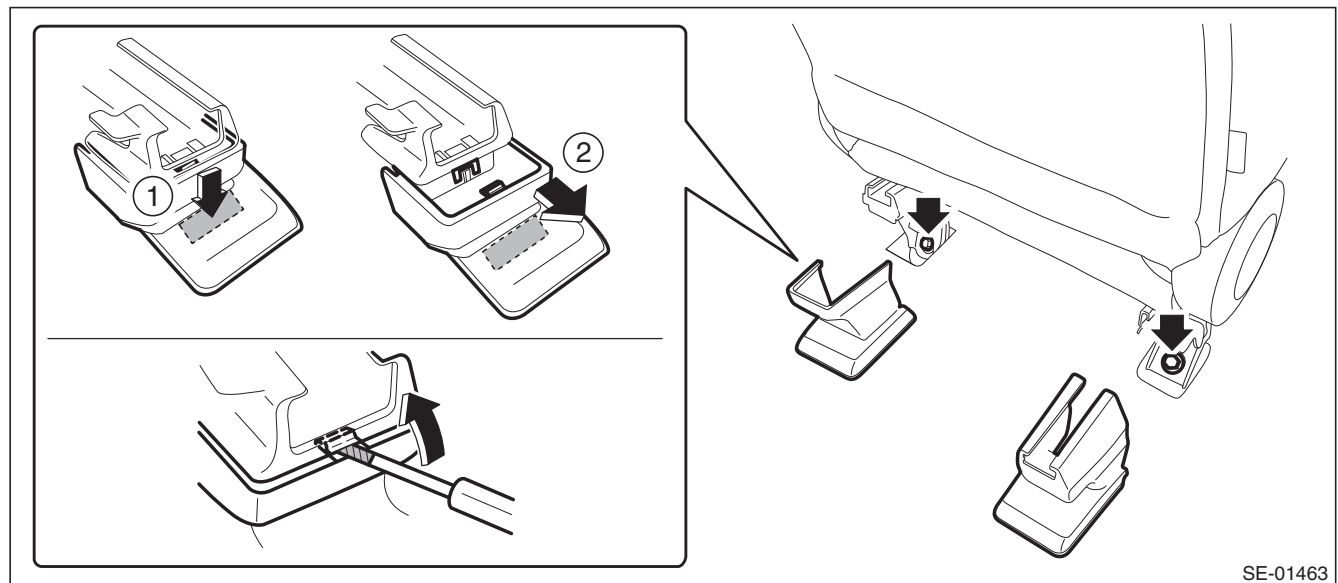
CAUTION:

Be careful not to damage the body when taking out the seat from the vehicle.

- (1) Tilt the backrest assembly forward and move the front seat to the front most position.
- (2) While spreading the tip of the cover - bolt rear OUT side to side, pull it out toward you to remove.
- (3) Remove the cover - bolt rear INN.

NOTE:

- Firmly push in the cover - bolt rear INN at the point shown in the figure until a clicking sound is heard and remove it.
- If it is difficult to remove, release the claw using a flat tip screwdriver wrapped with protection tape while pushing the point shown in the figure to remove.

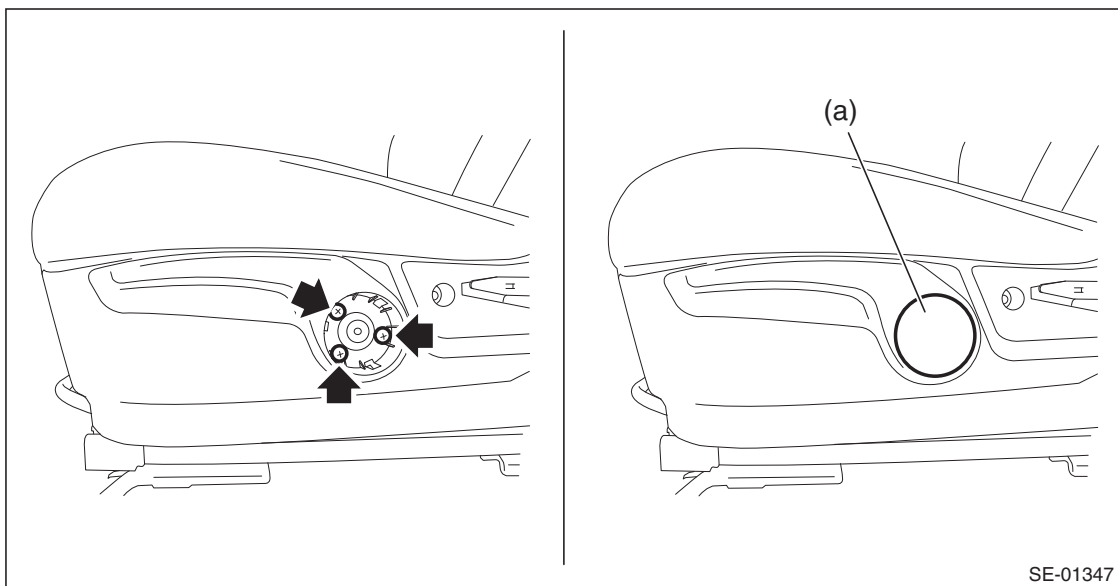


- (4) Move the front seat to the rearmost position, and remove the bolts.

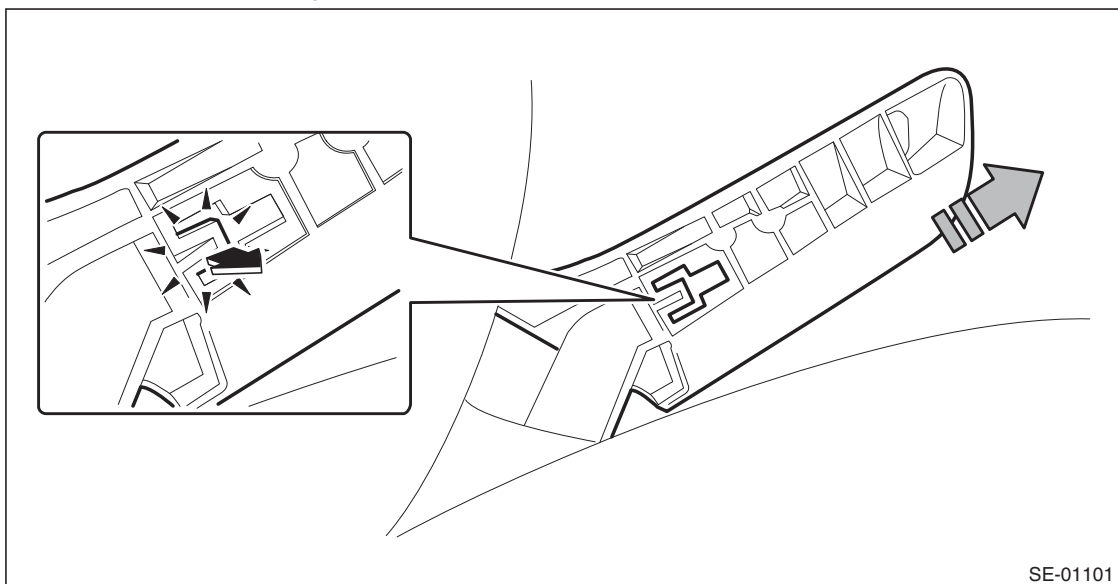
Side Airbag Module

AIRBAG SYSTEM

- (5) Disconnect the connector under the front seat.
- Seat belt warning light connector (driver's seat)
 - Occupant detection system harness connector (passenger's seat) <Ref. to OD(diag)-9, OCCUPANT DETECTION SYSTEM (BETWEEN AIRBAG REAR HARNESS AND SEAT HARNESS), PROCEDURE, Airbag Connector.>
 - Side airbag module connector <Ref. to AB-26, SIDE AIRBAG MODULE, PROCEDURE, Airbag Connector.>
 - Seat heater connector (model with seat heater)
 - Power seat connector (model with power seats)
 - Buckle switch RH connector (passenger's seat) <Ref. to AB-27, BUCKLE SWITCH RH, PROCEDURE, Airbag Connector.>
- (6) Take out the front seat assembly from the vehicle.
- 4) Remove the knob - lifter. (Seat with manual lifter)
- (1) Using a flat tip screwdriver, remove the cap - lifter lever (a).
 - (2) Remove the screws and remove the knob - lifter.



- 5) Remove the lever - reclining. (Manual seat)
- (1) Pull up the lever - reclining and release the claws on the back.
 - (2) Pull out the lever - reclining.

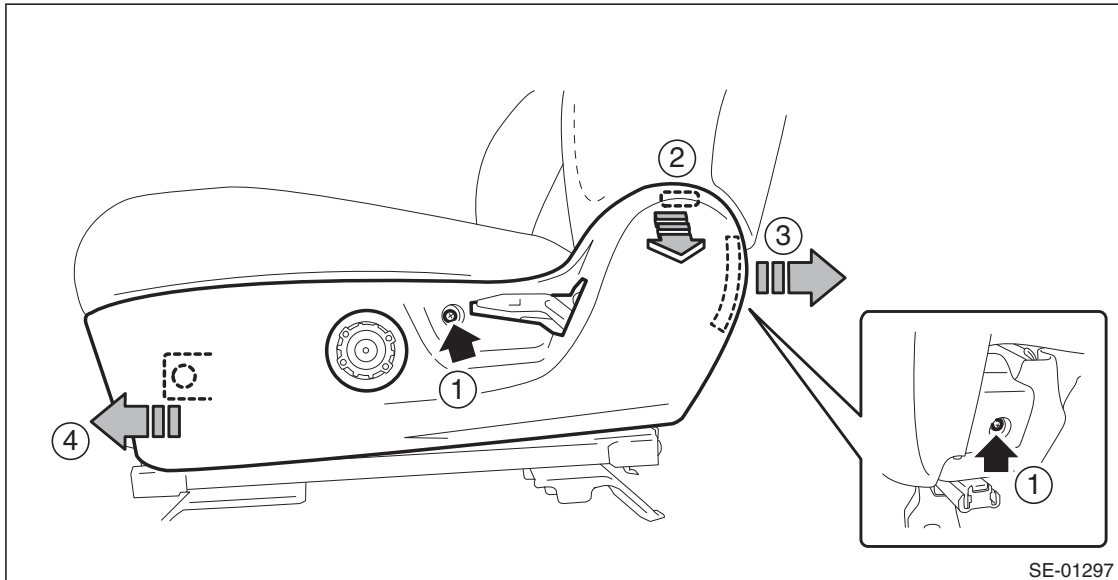


Side Airbag Module

AIRBAG SYSTEM

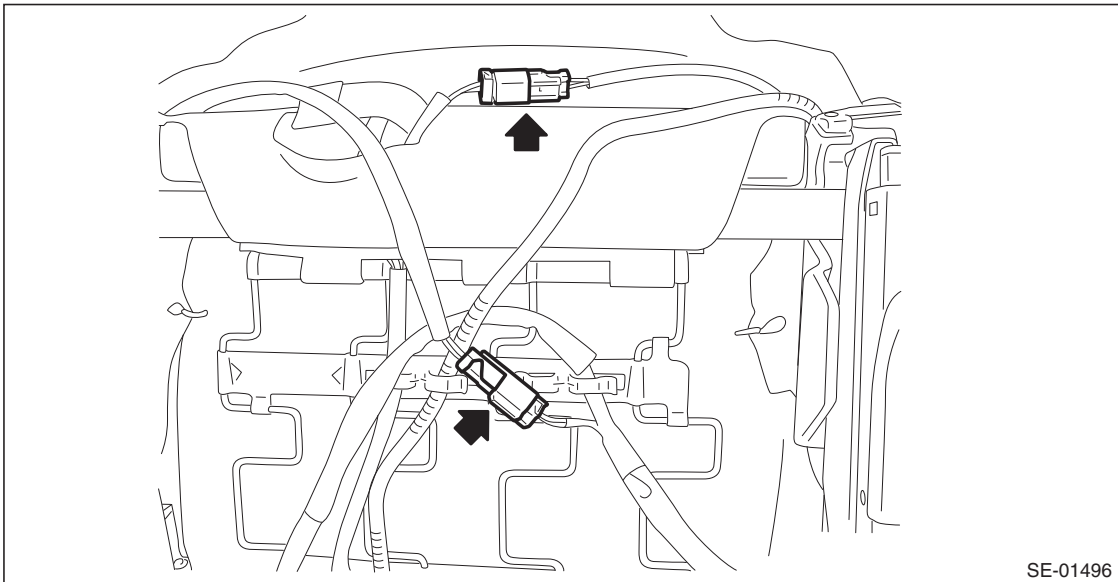
6) Remove the cover - hinge front seat outer. (Manual seat)

- (1) Remove the screws.
- (2) Release the claw in the upper section of the cover - hinge front seat outer.
- (3) Release the claw in the rear section of the cover - hinge front seat outer.
- (4) Release the claw in the front section of the cover - hinge front seat outer, then remove the cover - hinge front seat outer.



7) Disconnect the connectors from the backside of seat cushion.

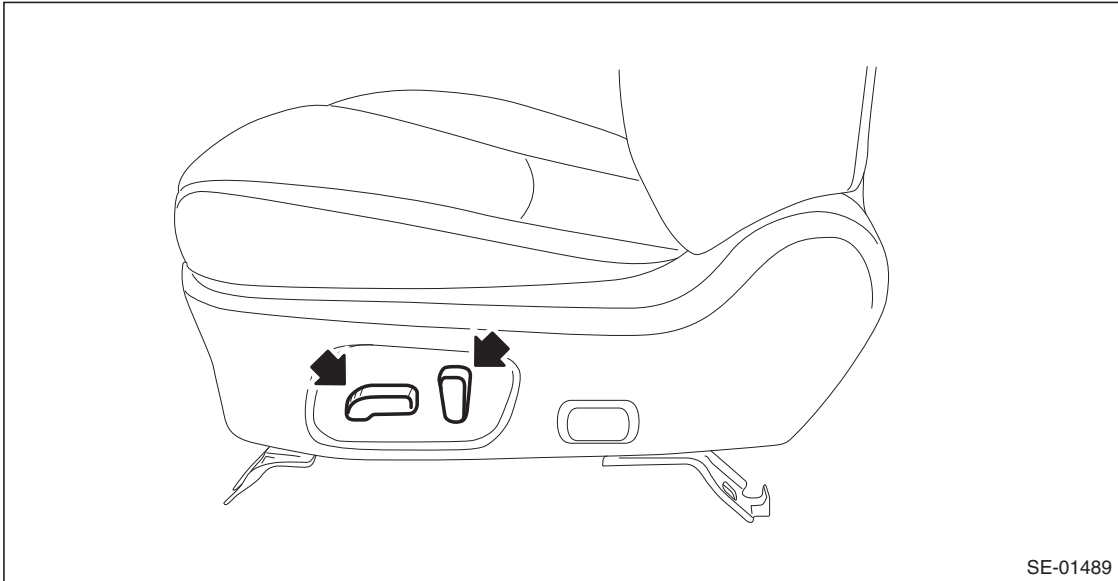
- Disconnect the connector for reclining motor. (Power seat)
- Disconnect the connector of seat heater harness. (With seat heater)



Side Airbag Module

AIRBAG SYSTEM

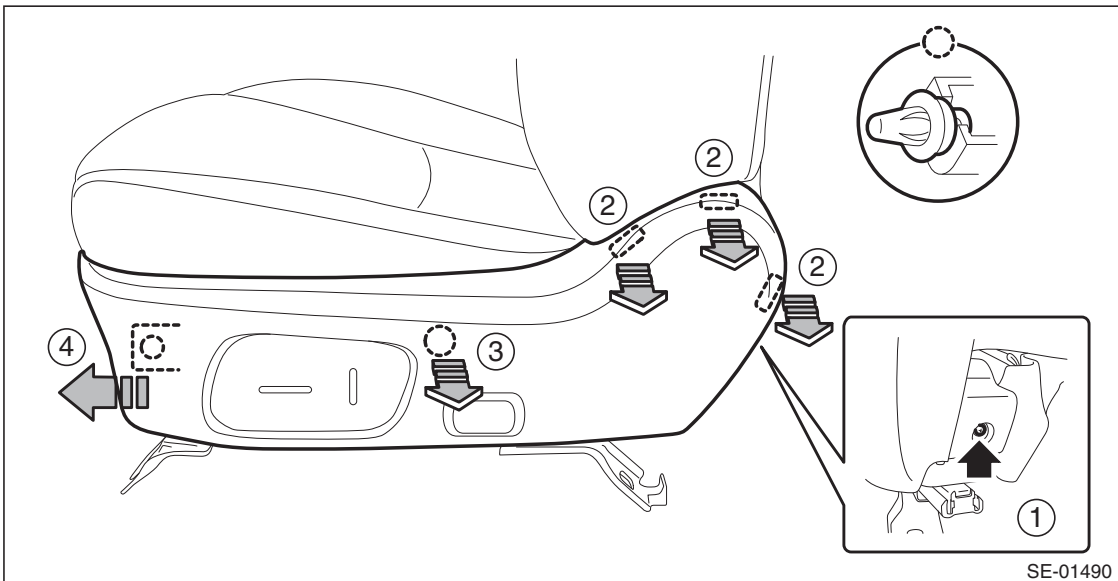
8) Remove the knob - power seat. (Power seat)



SE-01489

9) Remove the cover - hinge front seat OUT. (Power seat)

- (1) Remove the screws in the rear section of the cover - hinge front seat OUT.
- (2) Release the claw in the upper section of the cover - hinge front seat OUT.
- (3) Remove the clip, and release the claws in the front section of the cover - hinge front seat OUT.
- (4) Disconnect the power seat switch and lumbar switch connector and remove the cover - hinge front seat OUT.



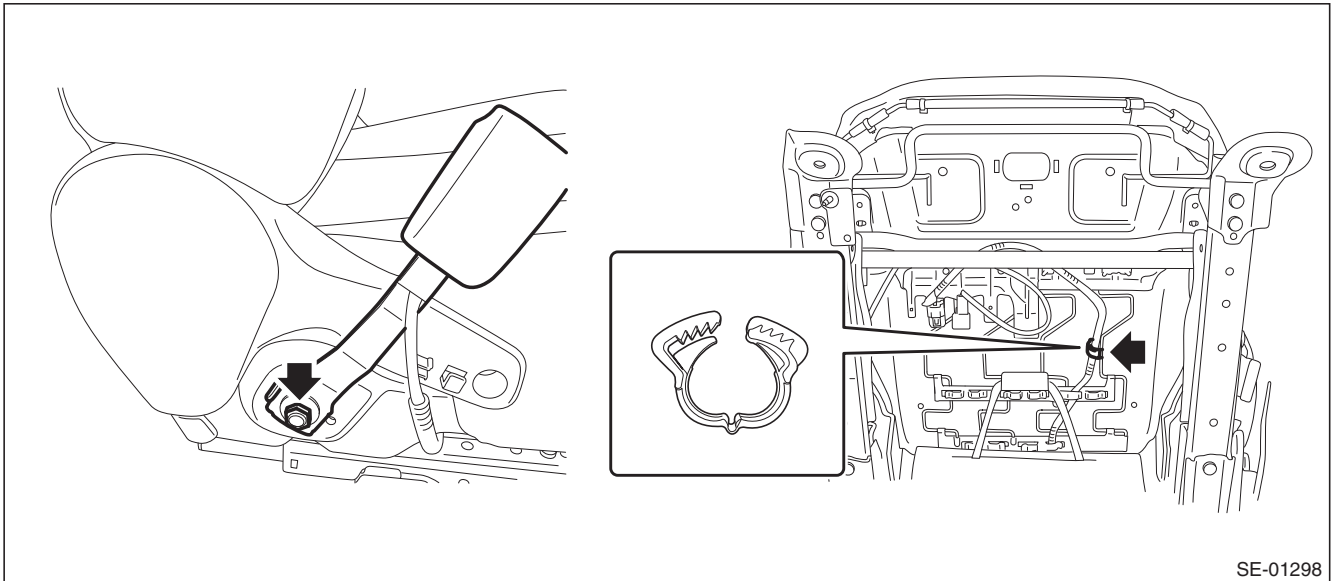
SE-01490

Side Airbag Module

AIRBAG SYSTEM

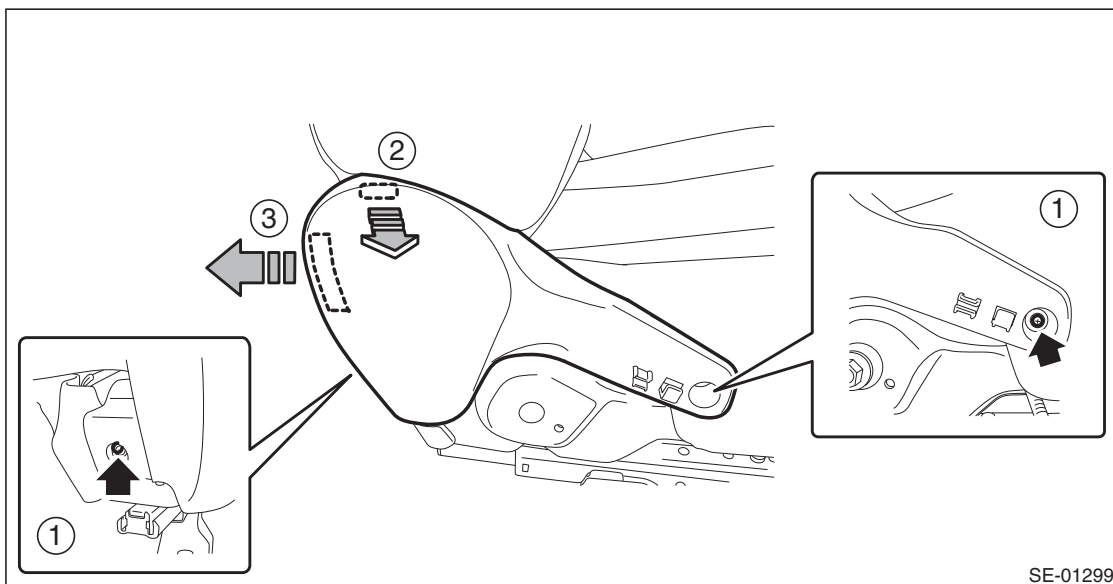
10) Remove the seat belt inner - front.

- (1) Remove the nut, and remove the seat belt inner - front.
- (2) Remove the clip for the seat belt inner - front located under the seat cushion assembly.



11) Remove the cover - hinge front seat inner.

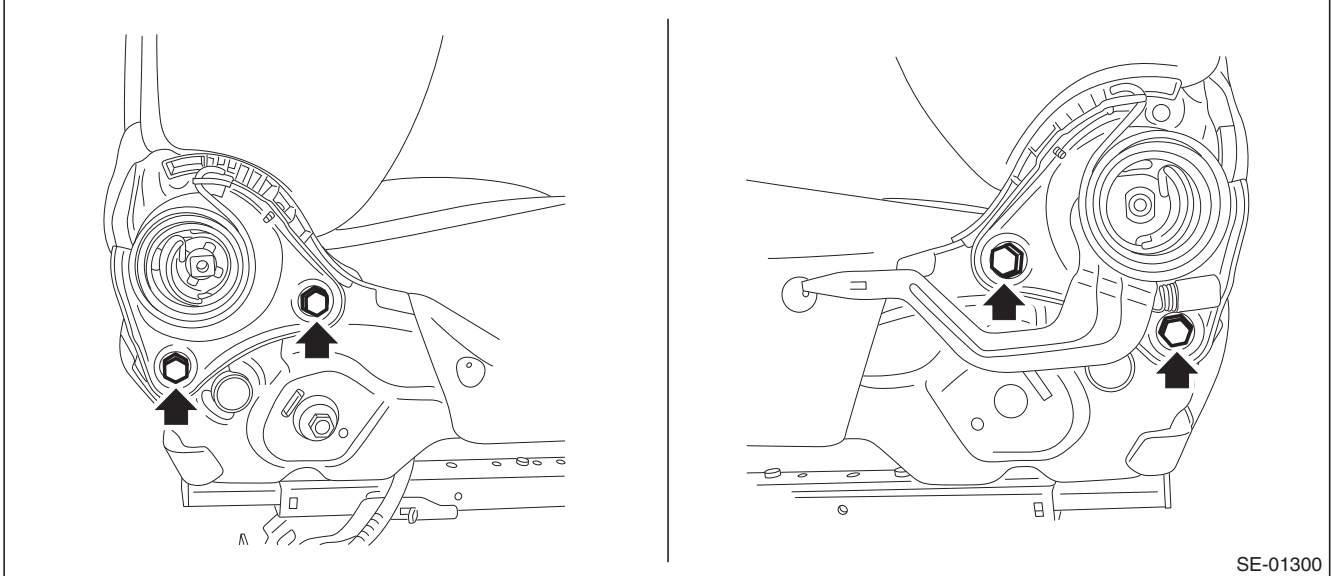
- (1) Remove the screws.
- (2) Release the claw in the upper section of the cover - hinge front seat inner.
- (3) Release the claw in the rear section of the cover - hinge front seat inner, then remove the cover - hinge front seat inner.



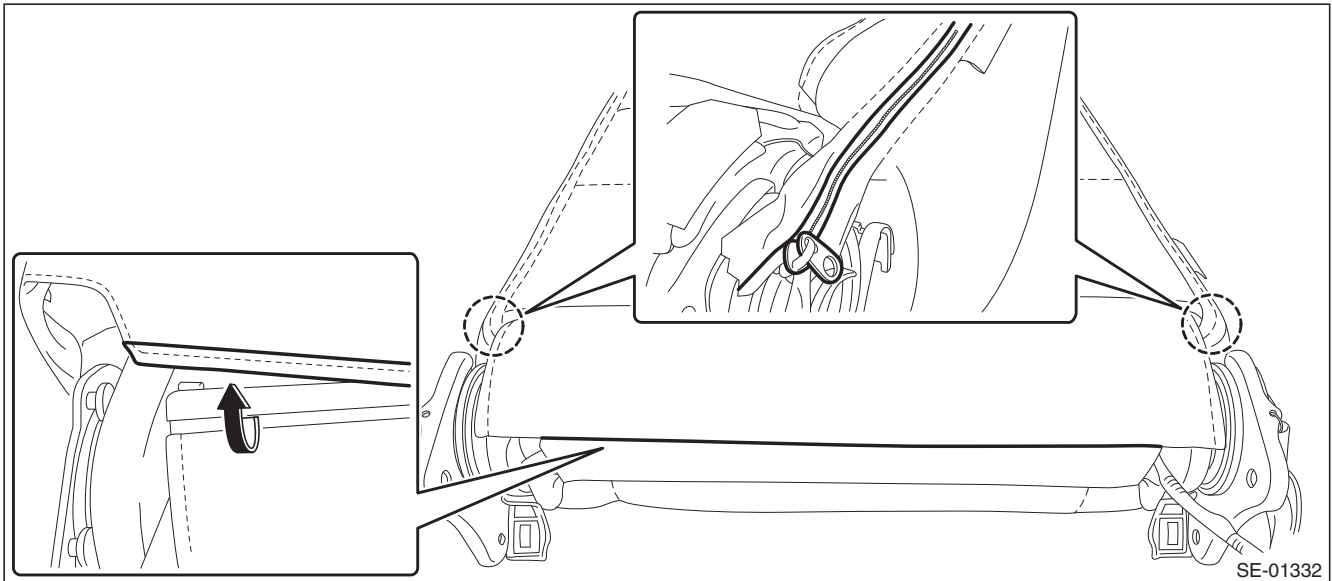
Side Airbag Module

AIRBAG SYSTEM

- 12) Separate the backrest assembly and the seat cushion assembly.
- (1) Remove the clip for the side airbag harness located under the seat cushion assembly.
 - (2) Remove the bolts from reclining hinge of both sides.
 - (3) While taking care not to damage each harness, separate the backrest assembly and the seat cushion assembly.



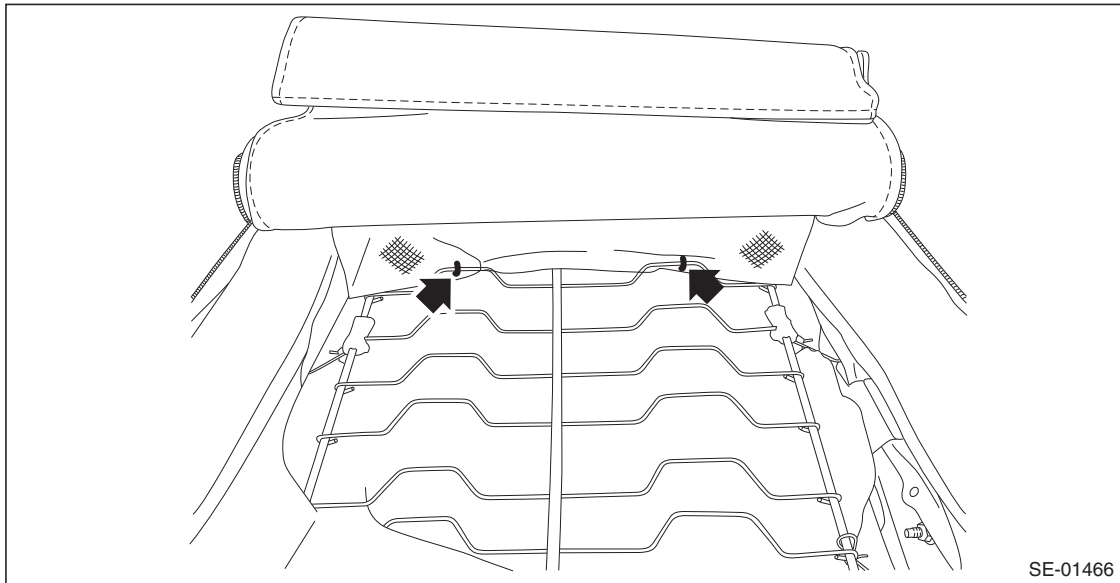
- 13) Remove the pad assembly - front seat backrest and the cover COMPL - front backrest.
- (1) Remove the plastic fastener at the back side (bottom) of backrest assembly.
 - (2) Open the fastener at the rear side of backrest assembly.



Side Airbag Module

AIRBAG SYSTEM

- (3) Remove the hog ring.

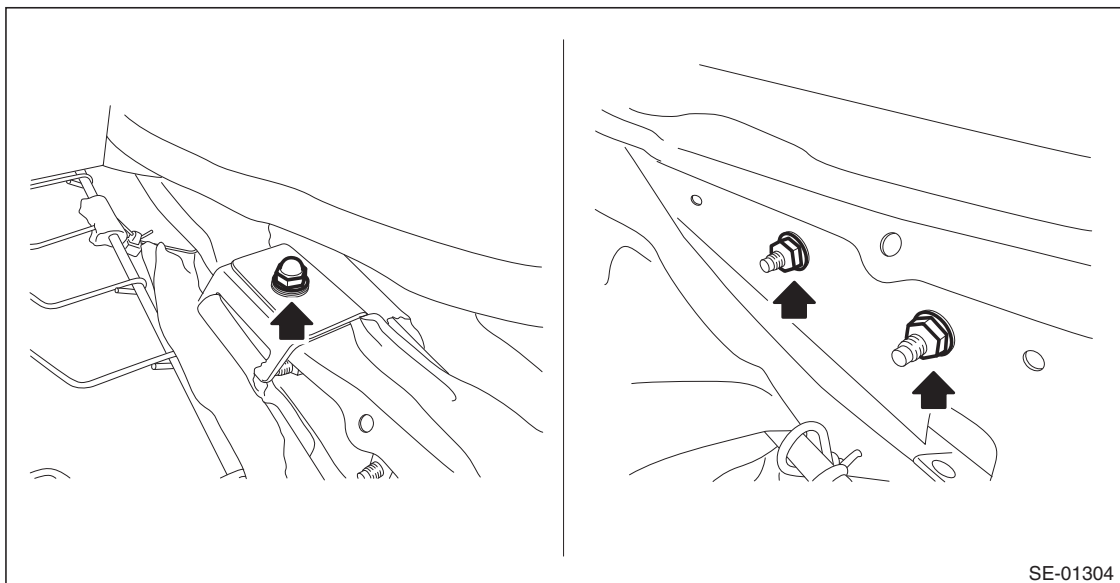


- 14) Remove the side airbag module.

CAUTION:

Do not open the protective cover of the side airbag module. If any damage is present in the protective cover or the cloth of side airbag module comes out from the protective cover slit, replace the side airbag module with a new part.

- (1) Remove the hexagon cap nut and nuts.
- (2) While taking care not to damage the airbag protective cover, remove the side airbag module.



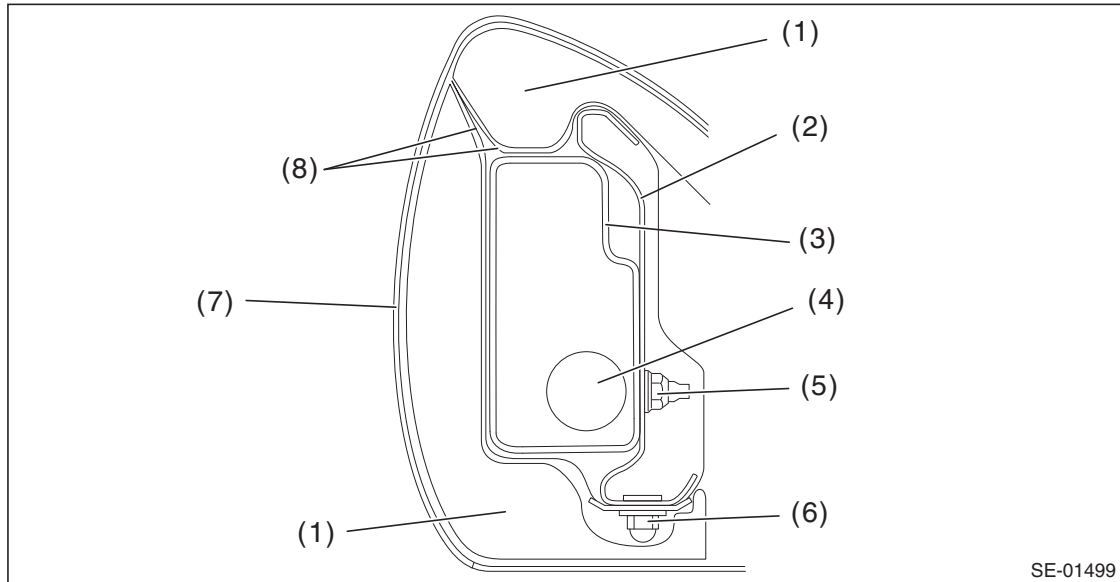
Side Airbag Module

AIRBAG SYSTEM

B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>
- Make sure that the side airbag module is installed as shown in the figure.



- | | | |
|---|---------------------------------|----------------------------------|
| (1) Pad ASSY - front seat backrest | (4) Side airbag module inflator | (7) Cover COMPL - front backrest |
| (2) Frame ASSY - front backrest | (5) Nut | (8) Side airbag guide cloth |
| (3) Side airbag module protective cover | (6) Hexagon cap nut | |

- Be careful not to stain or damage the cover COMPL - front backrest during assembly.
- Do not reuse hog rings.
- Secure the hog ring using hog ring pliers.
- Install the hog rings to the specified points securely and make sure that there is no wrinkle or twisting on the cover COMPL - front backrest.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Make sure that there is no foreign matter on side airbag module.
- Front seat, airbag module and mounting bracket are damaged or deformed.
- Harness and/or connector is cracked, deformed or open.
- Harness wire is exposed.

2) Install the side airbag module to the frame assembly - front backrest.

Tightening torque:

Side airbag module: 6 N·m (0.61 kgf-m, 4.4 ft-lb)

3) Install the side airbag harness to the frame assembly - front backrest.

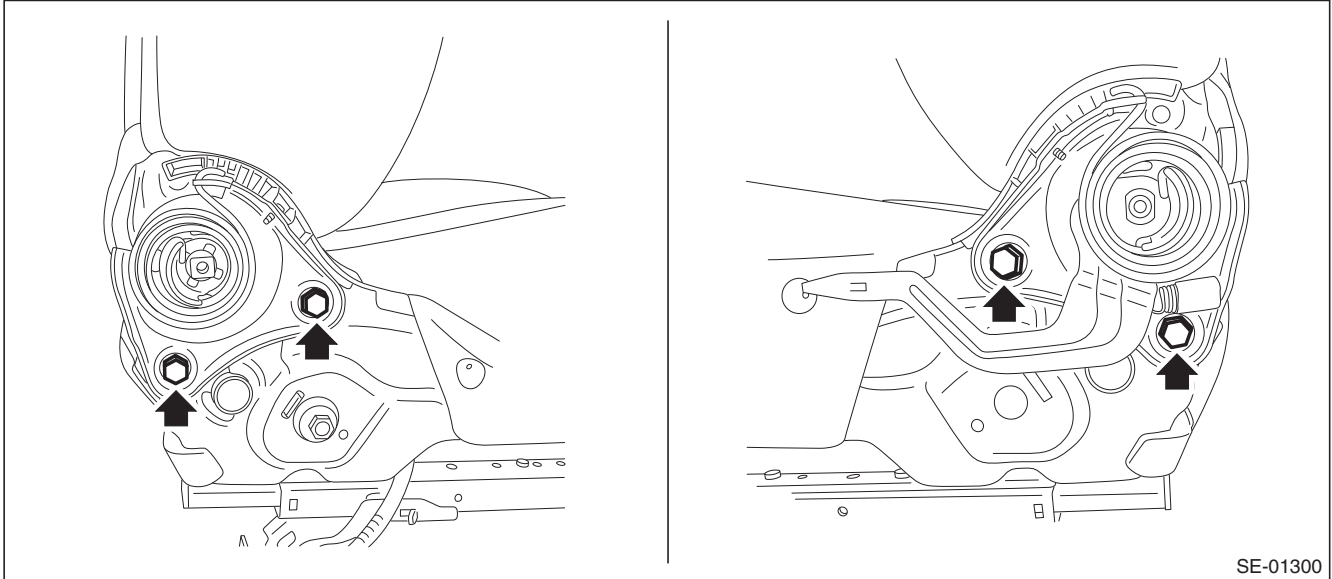
4) Install the cover COMPL - front backrest.

Side Airbag Module

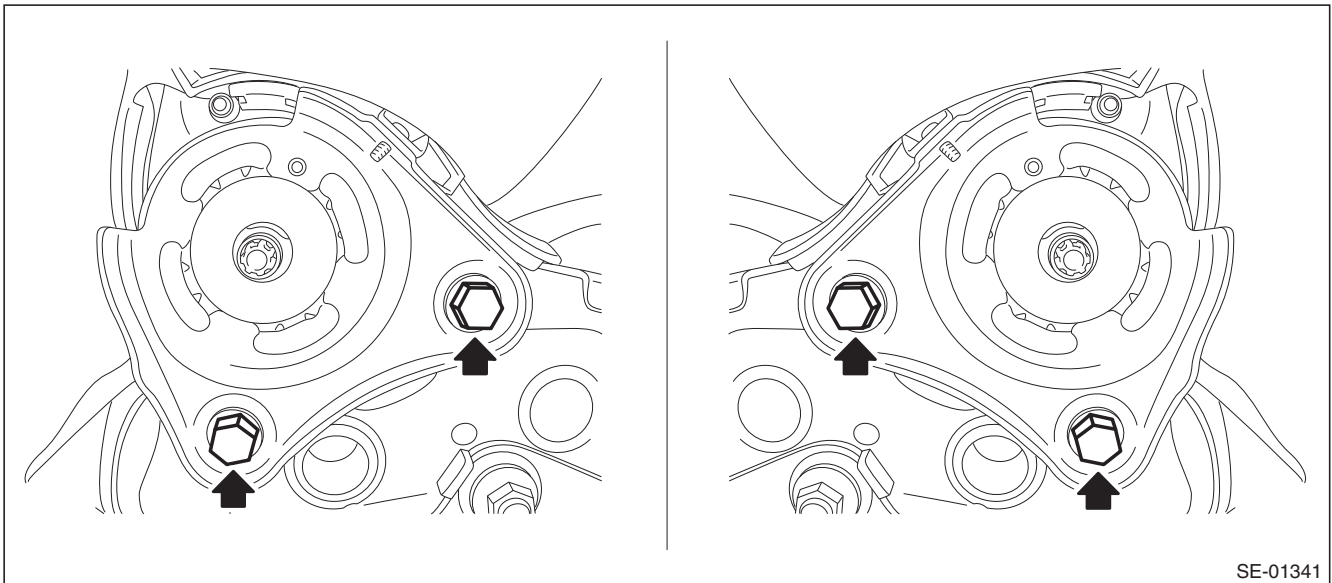
AIRBAG SYSTEM

5) Secure the backrest hinge.

- Manual seat



- Power seat



Tightening torque:

Refer to "COMPONENT" of "General Description". <Ref. to SE-2, FRONT SEAT, COMPONENT, General Description.>

Side Airbag Module

AIRBAG SYSTEM

6) Connect each harness and mount on the back of the seat cushion assembly using a cable clip.

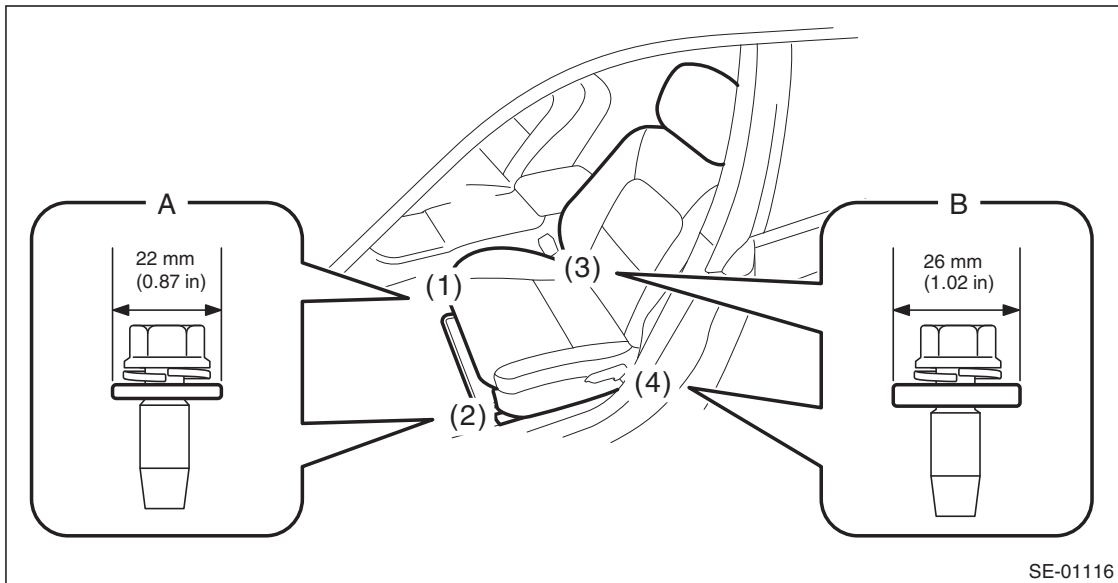
CAUTION:

After restoring the seat, operate the reclining and sliding mechanisms to check that the harness is not caught.

7) Install the front seat assembly to the body.

CAUTION:

- The front seat mounting bolts differ between the front mounting points and the rear mounting points. When installing the front seat, make sure that you are using correct bolts at correct positions.
- Tighten the slide rail assembly installing bolts in the order as shown in the figure, in several steps by gradually increasing the torque until they reach the specified torque.



- Front (bolt A): Washer diameter 22 mm (0.87 in)
- Rear (bolt B): Washer diameter 26 mm (1.02 in)

Tightening torque:

Front seat assembly: 53 N·m (5.40 kgf-m, 39.1 ft-lb)

8. Curtain Airbag Module

A: REMOVAL

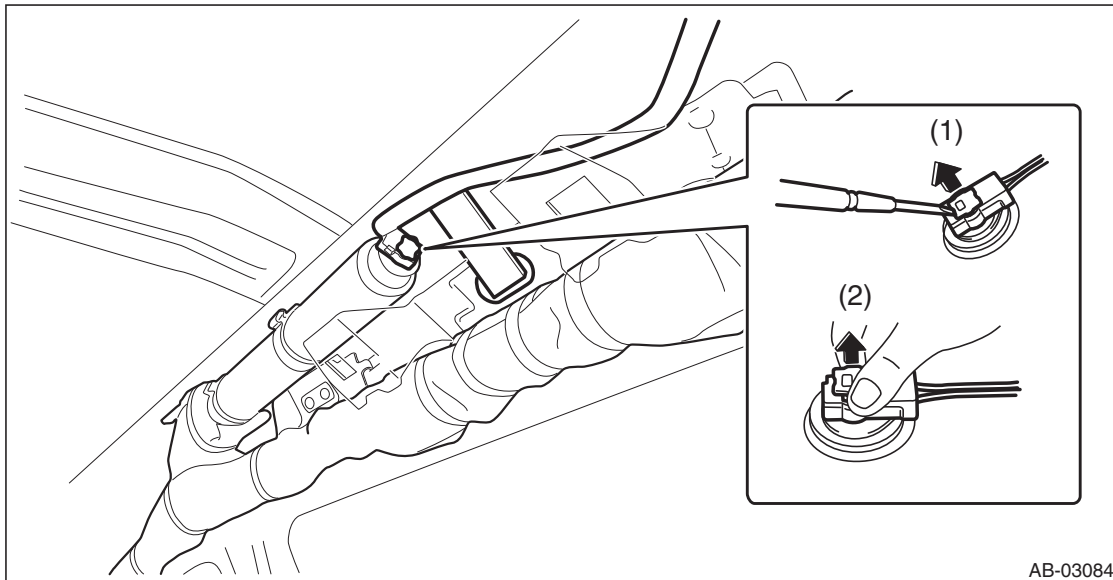
CAUTION:

Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 3) Remove the trim panel - roof assembly. <Ref. to EI-109, REMOVAL, Roof Trim.>
- 4) Remove the curtain airbag module.

CAUTION:

- Be careful not to damage the curtain airbag module during removal.
- Never open the curtain airbag module before activation. Never reuse the deployed curtain airbag module.
- Remove the modules in order starting from the vehicle front.
 - (1) Disconnect the curtain airbag module connector. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>

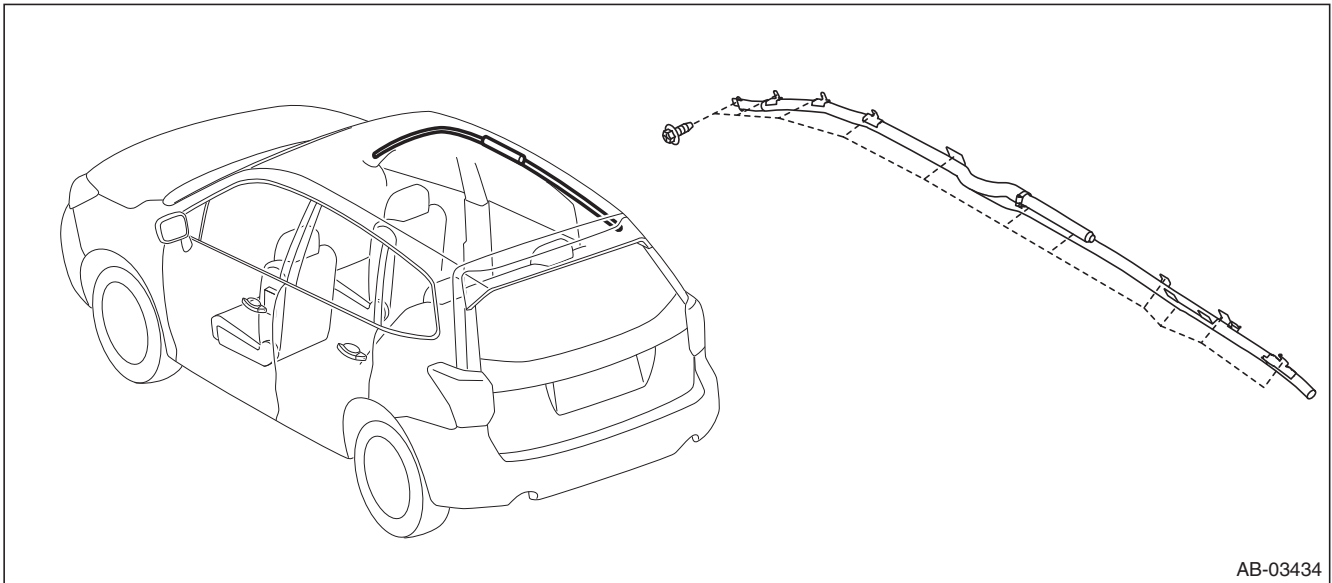


AB-03084

Curtain Airbag Module

AIRBAG SYSTEM

- (2) Remove the bolt, and remove the curtain airbag module.



B: INSTALLATION

CAUTION:

- Refer to “CAUTION” of “General Description” before handling the airbag module. <Ref. to AB-9, CAUTION, General Description.>
- When installing the curtain airbag module, install a specified part at specified place.
- Be careful not to damage the curtain airbag module during installation.
- Never open the curtain airbag module before activation. Never reuse the deployed curtain airbag module.
- Make sure that there are no foreign matter on airbag module.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Airbag cover is scratched or torn.
- Harness and/or connector is cracked, deformed or open.
- Harness wire is exposed.
- Mounting bracket and securing clip are cracked or deformed.

2) Install each part in the reverse order of removal.

CAUTION:

- For installation of the stereo camera cover, refer to “INSTALLATION”, “Stereo Camera Cover” in the “EyeSight” section and observe the precautions for installation. <Ref. to ES-15, INSTALLATION, Stereo Camera.>
- Check that there is no damage to the tether clip on the upper part of the trim panel - front pillar UPR. If the tether clip is damaged, always replace it with a new tether clip.
- Do not reuse the tether clip removed from the upper part of the trim panel - front pillar UPR. Always replace with a new part.
- Do not reuse the clips in the upper section of the trim panel - center pillar UPR. Always replace with a new part.
- Before installing the trim panel - front pillar UPR, check the condition of protective non-woven fabric (white) of the curtain airbag. If it is damaged (airbag module cloth is exposed), replace the curtain airbag module assembly with a new part.

NOTE:

For installation of the trim panel - front pillar UPR, refer to “Upper Inner Trim”. <Ref. to EI-101, INSTALLATION, Upper Inner Trim.>

Tightening torque:

Curtain airbag module: 7.5 N·m (0.76 kgf·m, 5.5 ft·lb)

9. Airbag Control Module

A: REMOVAL

CAUTION:

- Do not disassemble the airbag control module.
- If the airbag control module is deformed or if there is any trace of water on the module, replace the airbag control module with a new one.
- Do not drop the airbag control module.
- After removal, keep the airbag control module on a dry, clean surface away from moisture, heat and dust.

1) Turn the ignition switch to OFF.

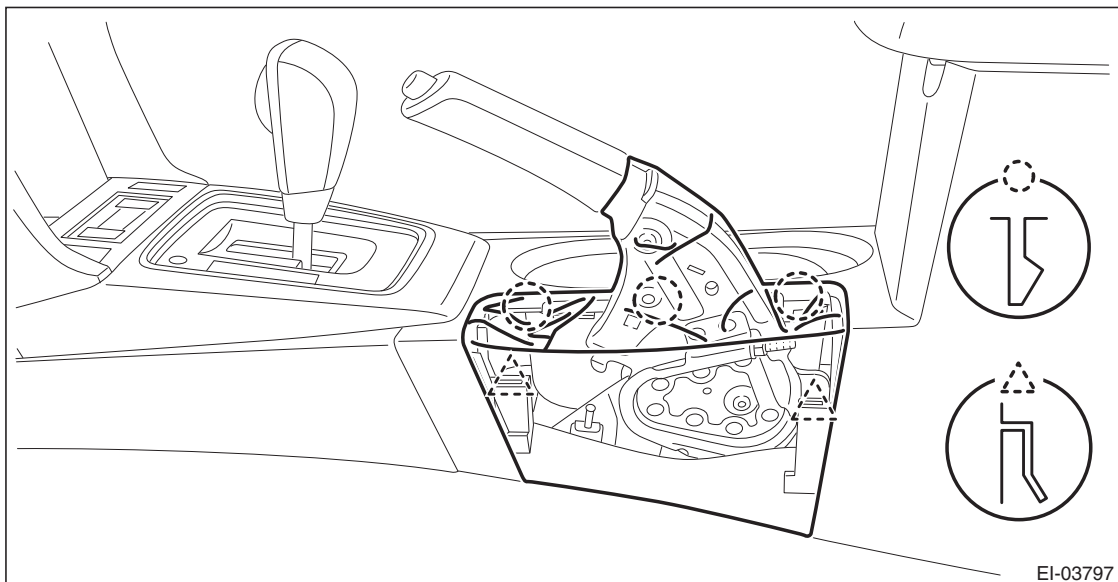
CAUTION:

Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

NOTE:

On CVT models, shift the select lever into "N" before disconnecting the battery ground cable.

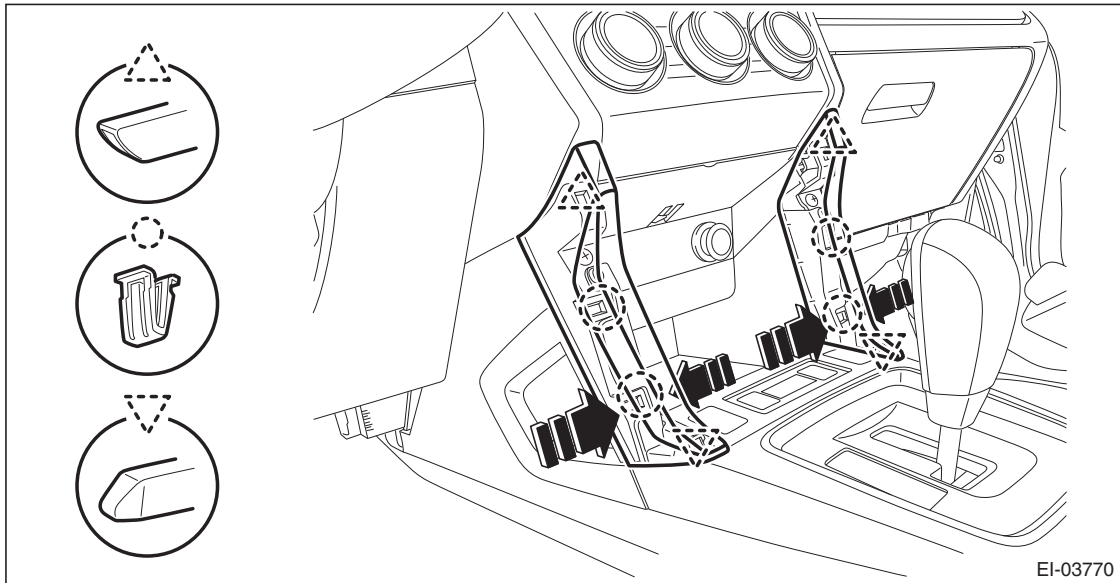
2) Release the claws, and then remove the boot - hand brake.



Airbag Control Module

AIRBAG SYSTEM

3) Release the clips, and remove the ornament panel - console.



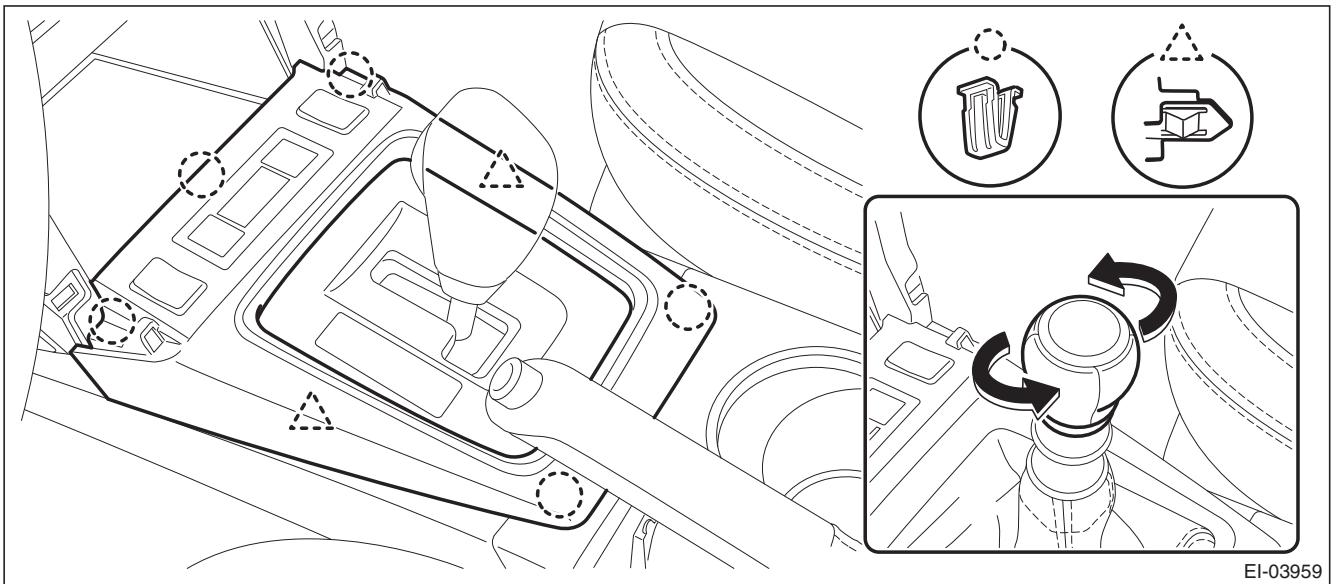
NOTE:

Removal is easier if you grab the arrow sections from right and left and pull them at the same time.

4) Remove the cover - shift lever.

(1) Remove the shift knob. (MT model)

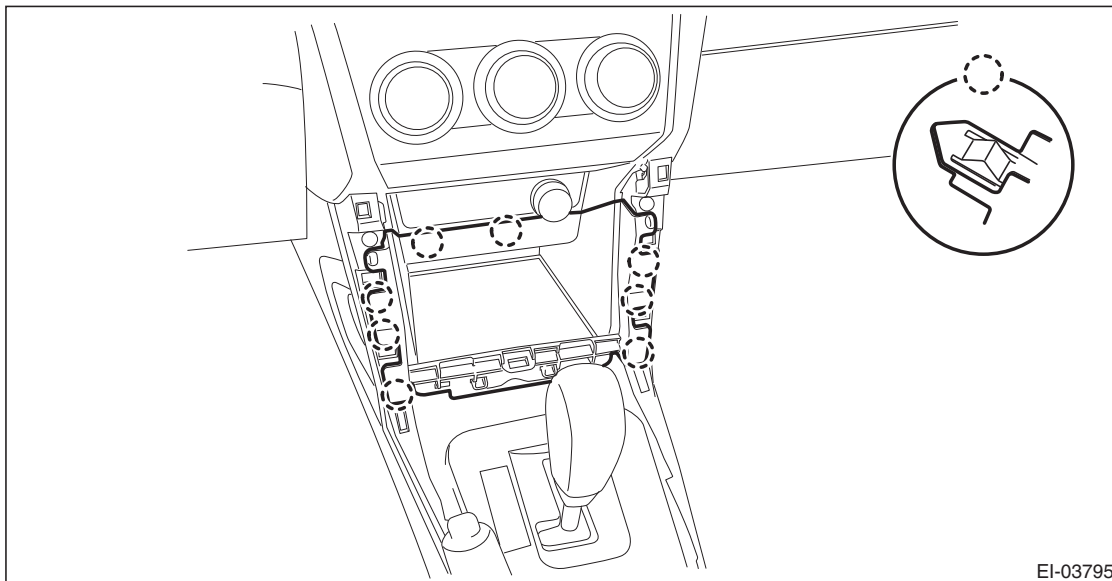
(2) Release the clips and claws, then pull up the cover - shift lever.



Airbag Control Module

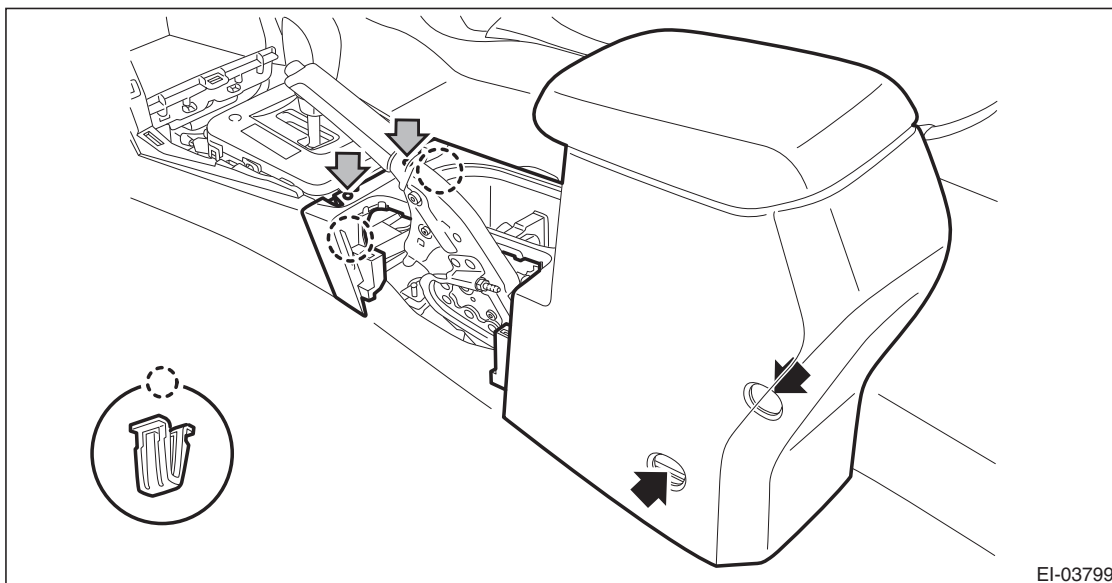
AIRBAG SYSTEM

5) Release the claws, and remove the tray assembly - CTR LWR.



6) Remove the console box assembly.

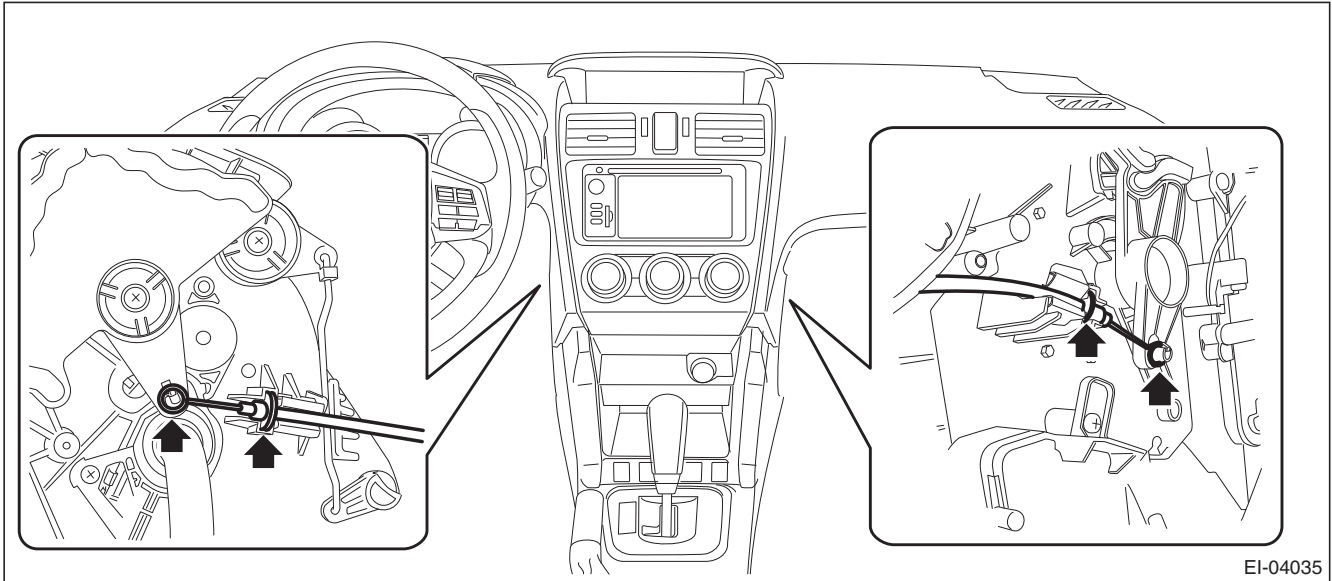
- (1) Move the seat forward, and remove the bolts after detaching the left and right caps.
- (2) Remove the bolts and clips, disconnect the harness connector and remove the console box assembly.



Airbag Control Module

AIRBAG SYSTEM

7) On manual A/C models, disconnect the control cables from both sides of the heater & cooling unit.



8) Remove the panel center assembly.

CAUTION:

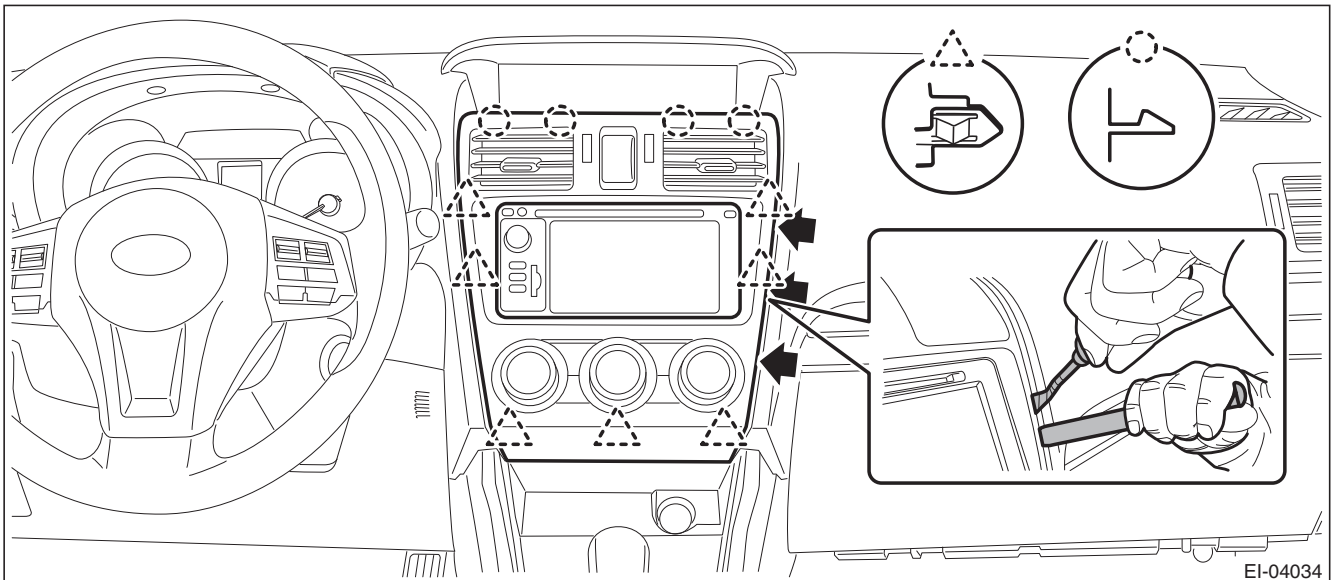
- Do not put your finger on the fin of the air vent grille. Doing so may damage the fin.
- Pull the panel center assembly slowly. Pulling with excessive force may damage the connector.

(1) Insert a plastic remover to the three areas shown by the arrows, and slightly lift up the panel center assembly.

(2) With the panel center assembly lifted up slightly, release the claw by using a clip remover wrapped with protective tape.

(3) Release the rest of the claws, and pull out the panel center assembly.

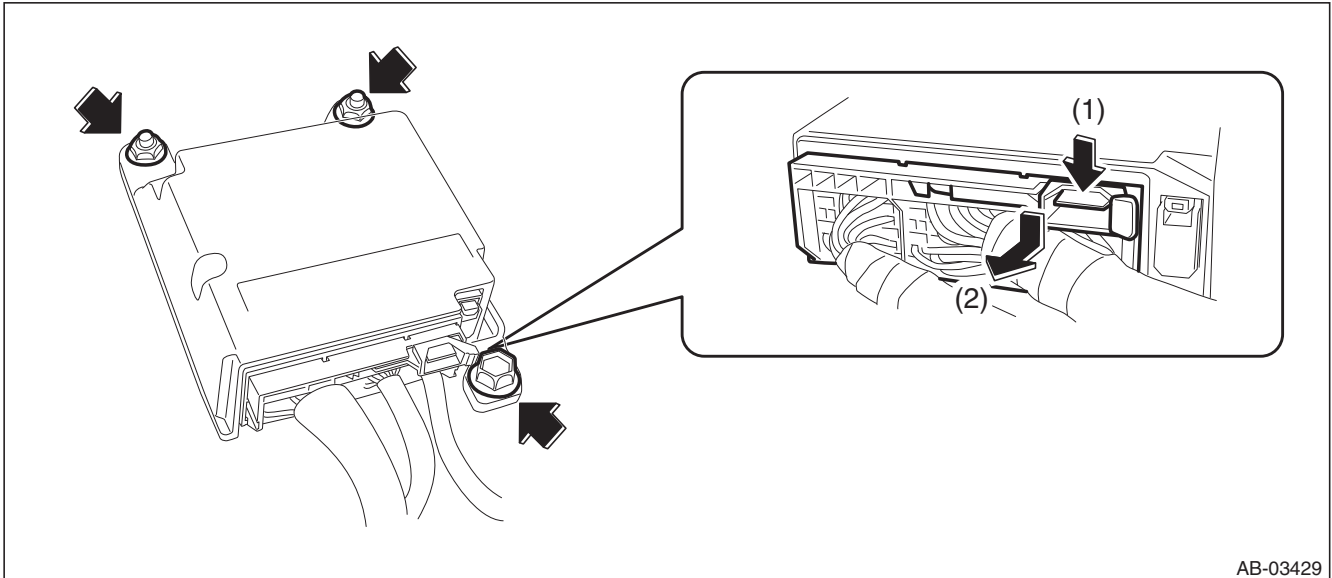
(4) Disconnect the connectors, and remove the panel center assembly.



Airbag Control Module

AIRBAG SYSTEM

- 9) Remove the airbag control module.
- (1) Disconnect the connector from airbag control module. <Ref. to AB-19, AIRBAG CONTROL MODULE, PROCEDURE, Airbag Connector.>
 - (2) Remove the bolt and nuts and remove the airbag control module.



AB-03429

B: INSTALLATION

CAUTION:

Do not reuse the bolt and nut.

Always use new bolts and nuts for them.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Control module is deformed.
- Control module connector is damaged.
- Control module mounting bracket is damaged.

2) Install each part in the reverse order of removal.

Tightening torque:

Airbag control module: 25 N·m (2.55 kgf-m, 18.4 ft-lb)

Console box assembly: 6.5 N·m (0.66 kgf-m, 4.8 ft-lb)

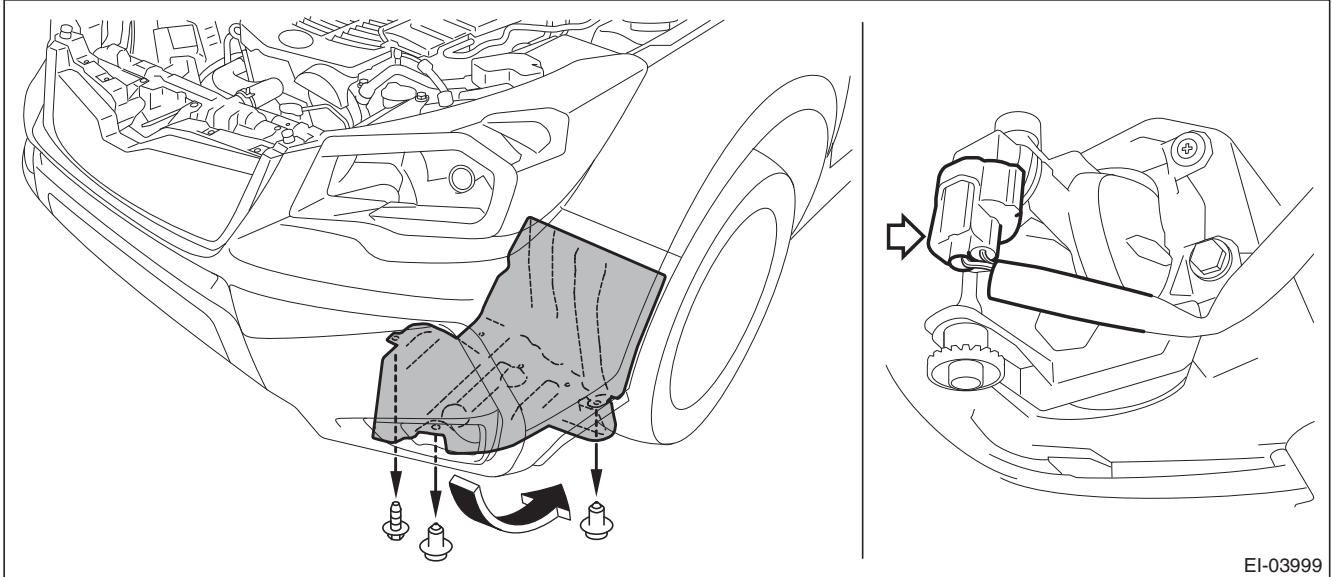
Front Sub Sensor

AIRBAG SYSTEM

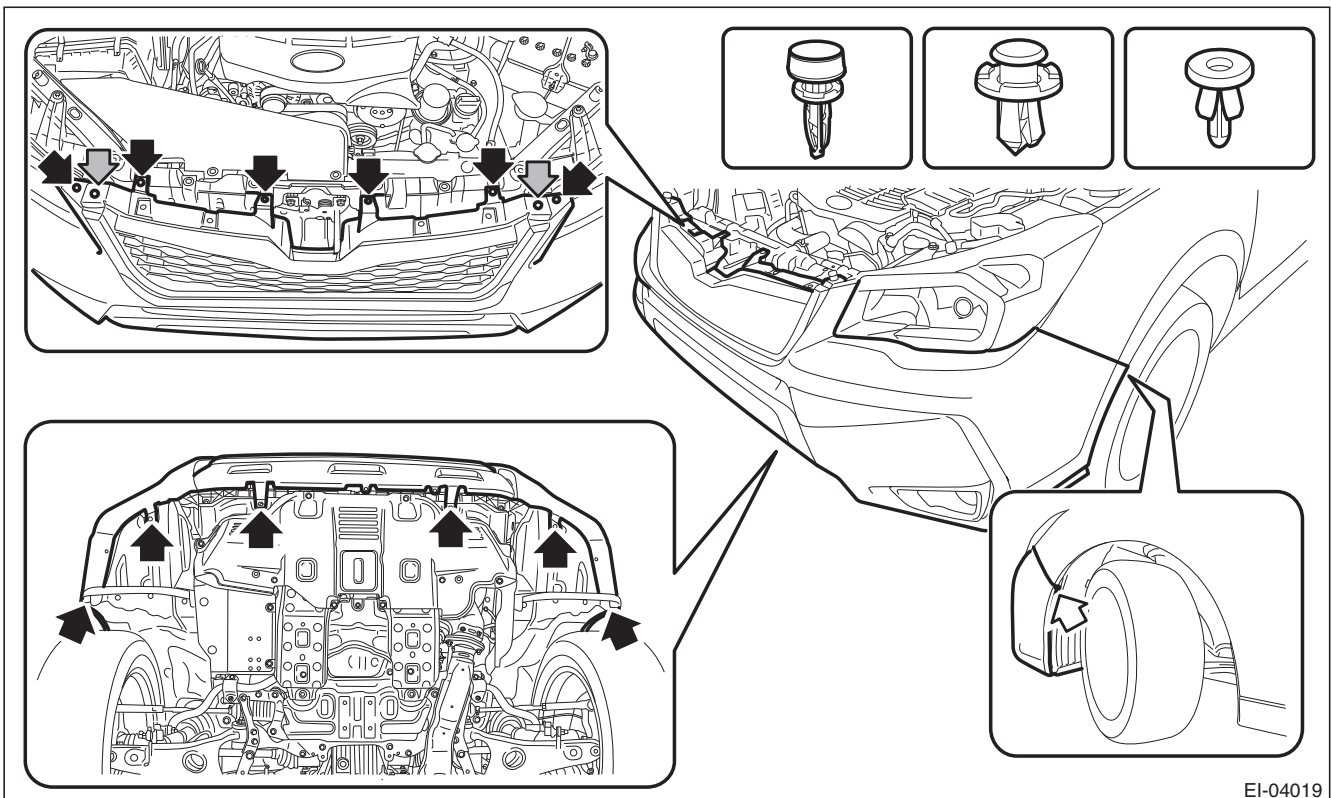
10.Front Sub Sensor

A: REMOVAL

- 1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 2) Remove the bumper face - front.
 - (1) Remove the screws and clips, and turn over the mud guard - front, and then disconnect the connectors of the fog light assembly - front on the LH and RH sides. (Model with fog light)



- (2) Remove the clips at the upper side of the bumper face - front.
- (3) Remove the clips from the fender.
- (4) Remove the clips at the lower side of the bumper face - front.



- (5) Apply protective tape (A) to the light assembly - head.

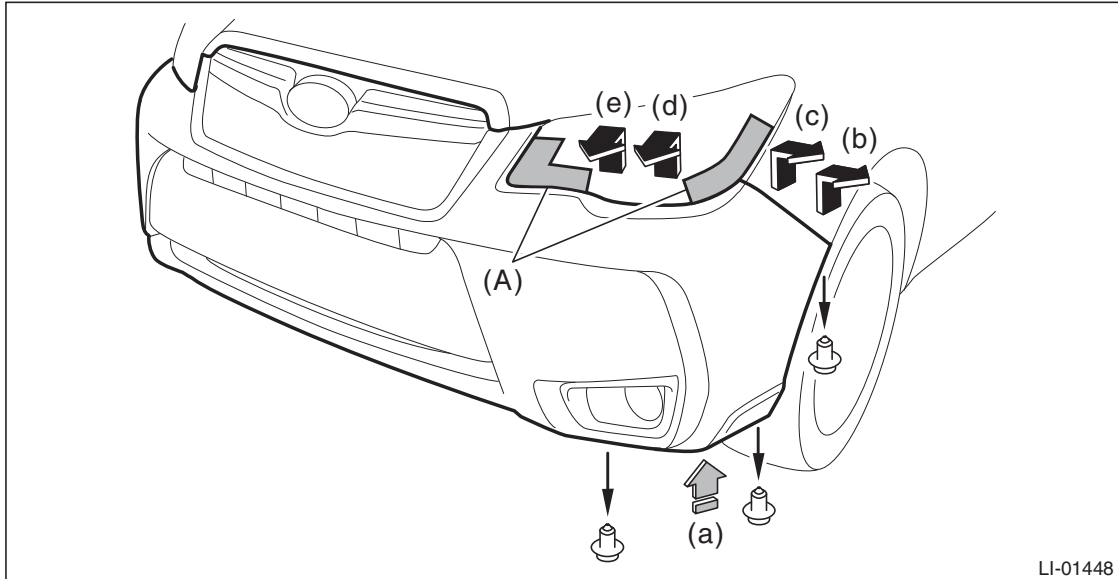
Front Sub Sensor

AIRBAG SYSTEM

(6) Release the clips, and while pushing up the lower side (a) of the bumper face - front, remove in the order from (b) to (e).

CAUTION:

Do not pull forcibly. It may damage the flange sections of the bumper face - front.

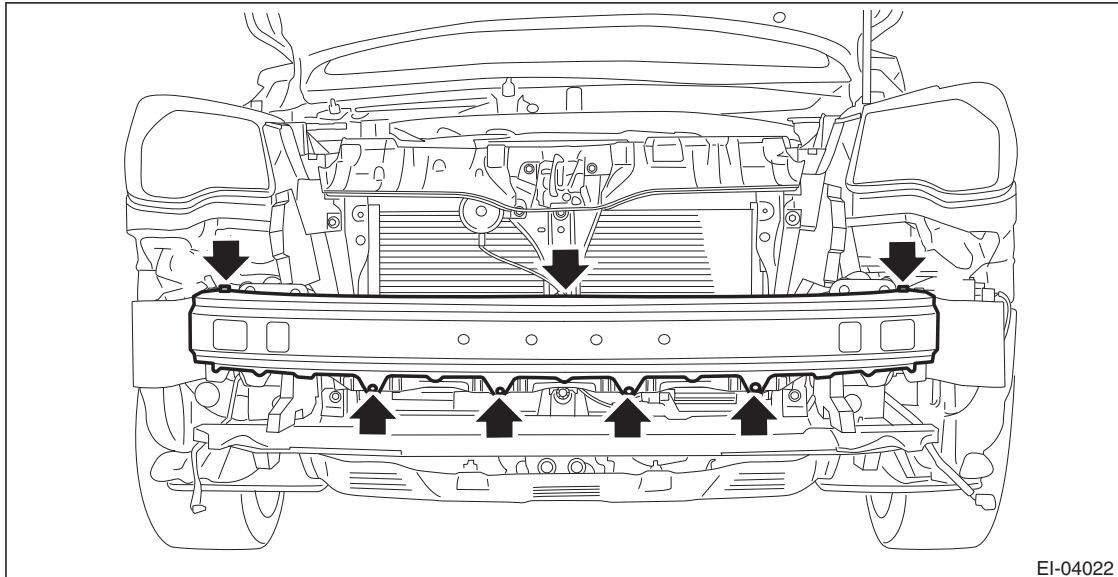


NOTE:

Detach the opposite side in the same manner.

3) Remove the bumper beam COMPL - front.

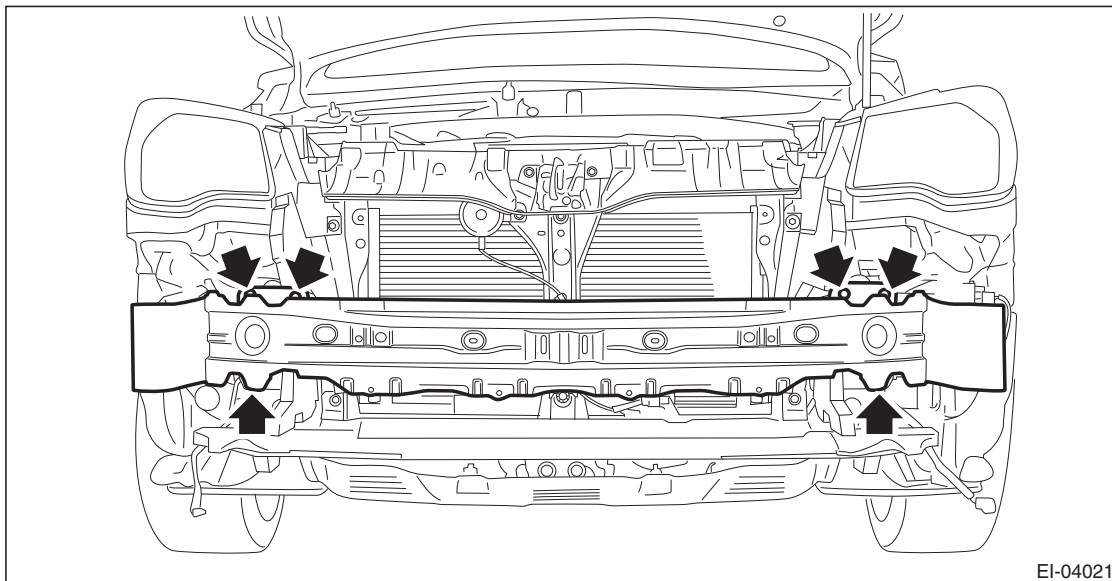
(1) Remove the energy absorber - front bumper.



Front Sub Sensor

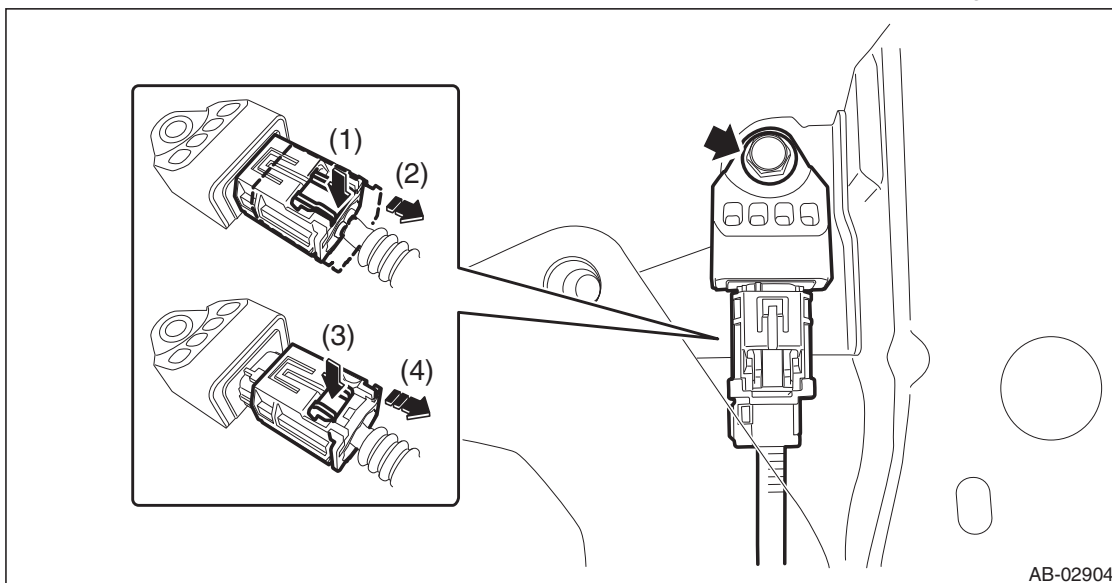
AIRBAG SYSTEM

- (2) Remove the bolts, and remove the bumper beam COMPL - front.



EI-04021

- 4) Remove the bolt, and then detach the front sub sensor. <Ref. to AB-22, FRONT SUB SENSOR, FRONT DOOR IMPACT SENSOR AND SATELLITE SAFING SENSOR, PROCEDURE, Airbag Connector.>



AB-02904

B: INSTALLATION

CAUTION:

- If the airbag has been activated, replace the front sub sensor with a new part.
- Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

- When installing the sensor, insert the set pin on the backside of the sensor into the hole on the body side securely.

- 1) Before installation, inspect the following items and replace any faulty part with a new part.

- Front sub sensor damage
- Connector damage

- 2) Install each part in the reverse order of removal.

Tightening torque:

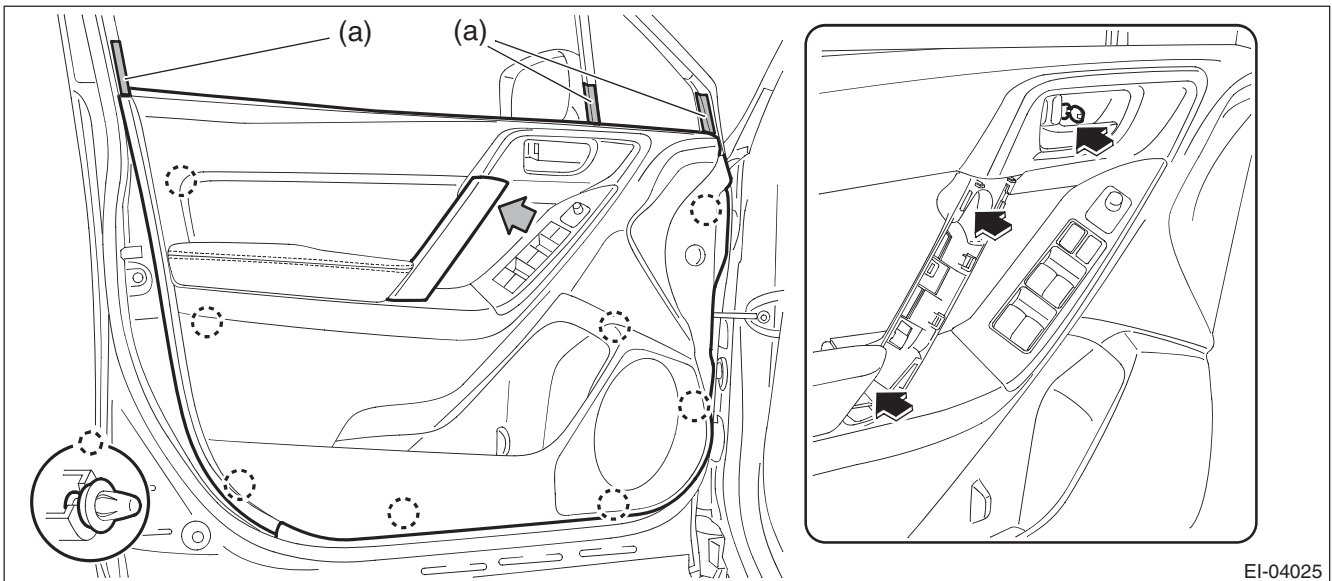
Front sub sensor: 13 N·m (1.33 kgf·m, 9.6 ft·lb)

Bumper beam COMPL - front: 32 N·m (3.36 kgf·m, 24.3 ft·lb)

11. Front Door Impact Sensor

A: REMOVAL

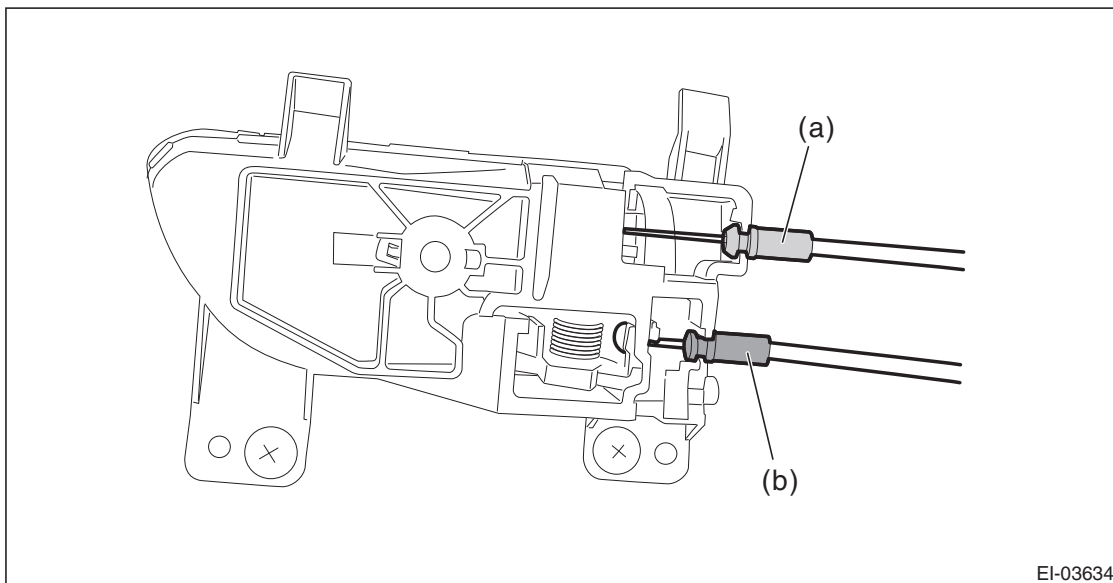
- 1) Operate the power window switch to close the front door glass.
- 2) Turn the ignition switch to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 4) Remove the trim panel - front door.
 - (1) Attach the protective tape (a).
 - (2) Remove the cover - door handle by using a plastic remover.
 - (3) Remove the screws and clips, and remove the trim panel - front door from the panel assembly - front door.



NOTE:

It is easier to remove the cover - door handle if the removal is performed from the gray arrow section.

- (4) Detach the door lock cable (a) and door open cable (b) from the remote assembly - door.



- (5) Disconnect the harness connector and remove the trim panel - front door.

CAUTION:

Pulling the door trim excessively may damage the harness.

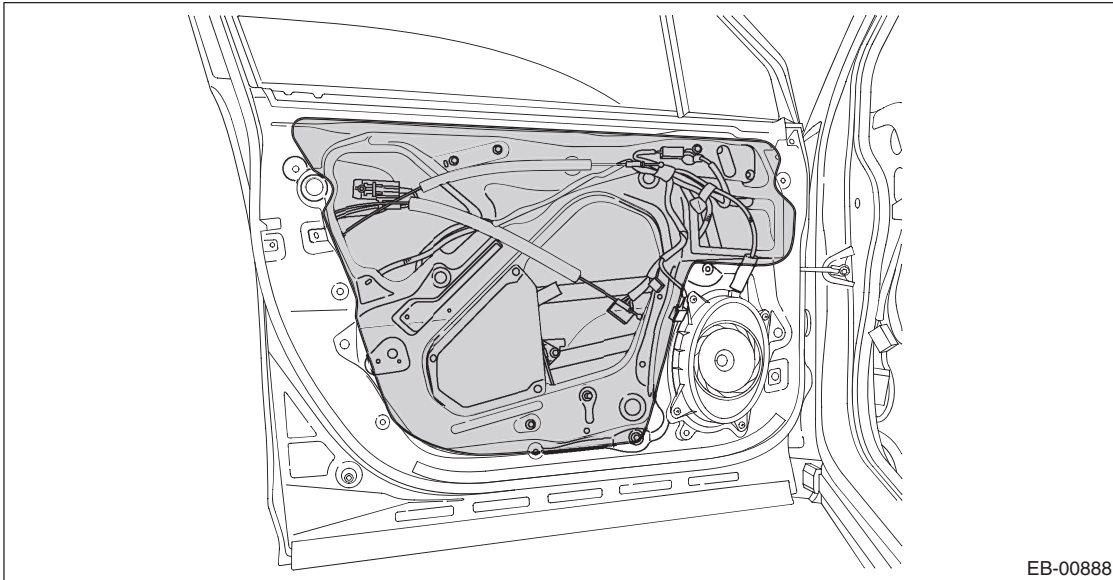
Front Door Impact Sensor

AIRBAG SYSTEM

5) Remove the sealing cover - front door.

CAUTION:

- Carefully remove the butyl tape. Excessive force will easily break the cover.
- If the sealing cover - front door gets broken, replace it with a new part.
 - (1) Remove the screw to remove the bracket - door trim front.
 - (2) Disconnect connectors.
 - (3) Carefully remove the butyl tape to remove the sealing cover - front door.

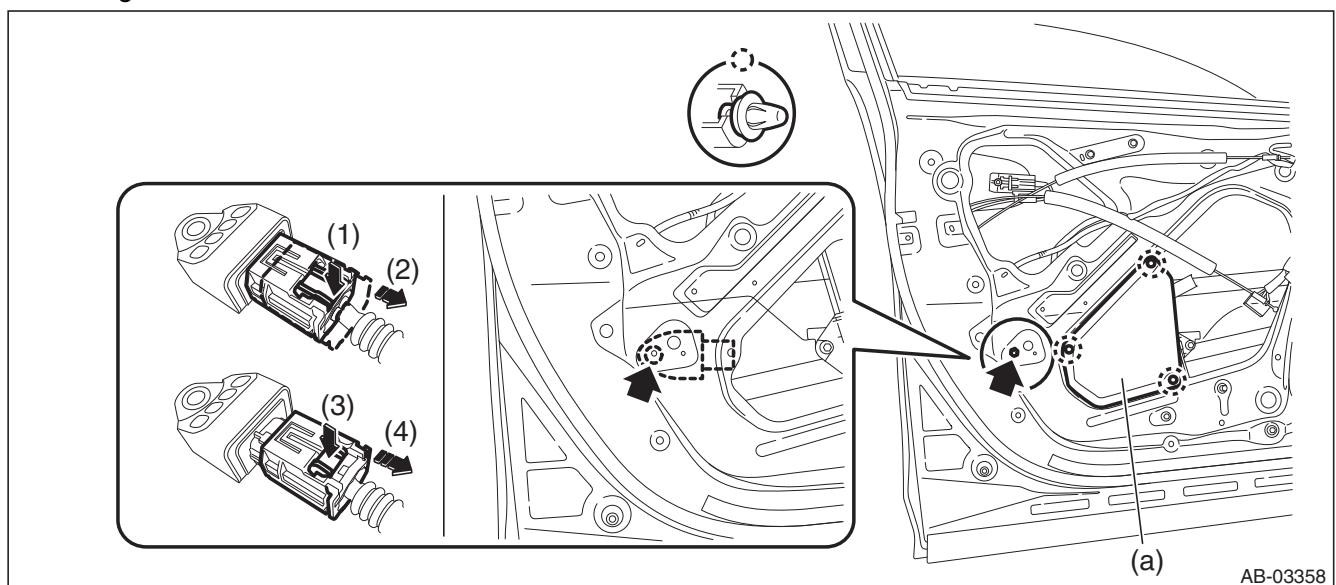


6) Remove the front door impact sensor.
(1) Remove the front door inner pad (a).

CAUTION:

If the clip is damaged, replace it with a new part because the panel assembly - front door may be deformed.

- (2) Remove the nuts and then remove the front door impact sensor.
- (3) Disconnect the airbag connector and remove the front door impact sensor. <Ref. to AB-22, FRONT SUB SENSOR, FRONT DOOR IMPACT SENSOR AND SATELLITE SAFING SENSOR, PROCEDURE, Airbag Connector.>



B: INSTALLATION

CAUTION:

Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

1) Before installation, inspect the following items and replace any faulty part with a new part.

- The front door impact sensor or connector is damaged.
- Inner panel area of the panel assembly - front door is deformed.
- Side airbag module has been activated.

Tightening torque:

Front door impact sensor: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

2) Install each part in the reverse order of removal.



Side Airbag Sensor

AIRBAG SYSTEM

12.Side Airbag Sensor

A: REMOVAL

CAUTION:

- Airbag system satellite safing sensor is located in the lower of the rear seat cushion center. Before removing the rear seat, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section. <Ref. to AB-9, CAUTION, General Description.>
- The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds before starting the service of airbag system.

1) Move the seat all the way forward, from which the side airbag sensor is to be removed.

NOTE:

This is to remove the seat belt retractor assembly.

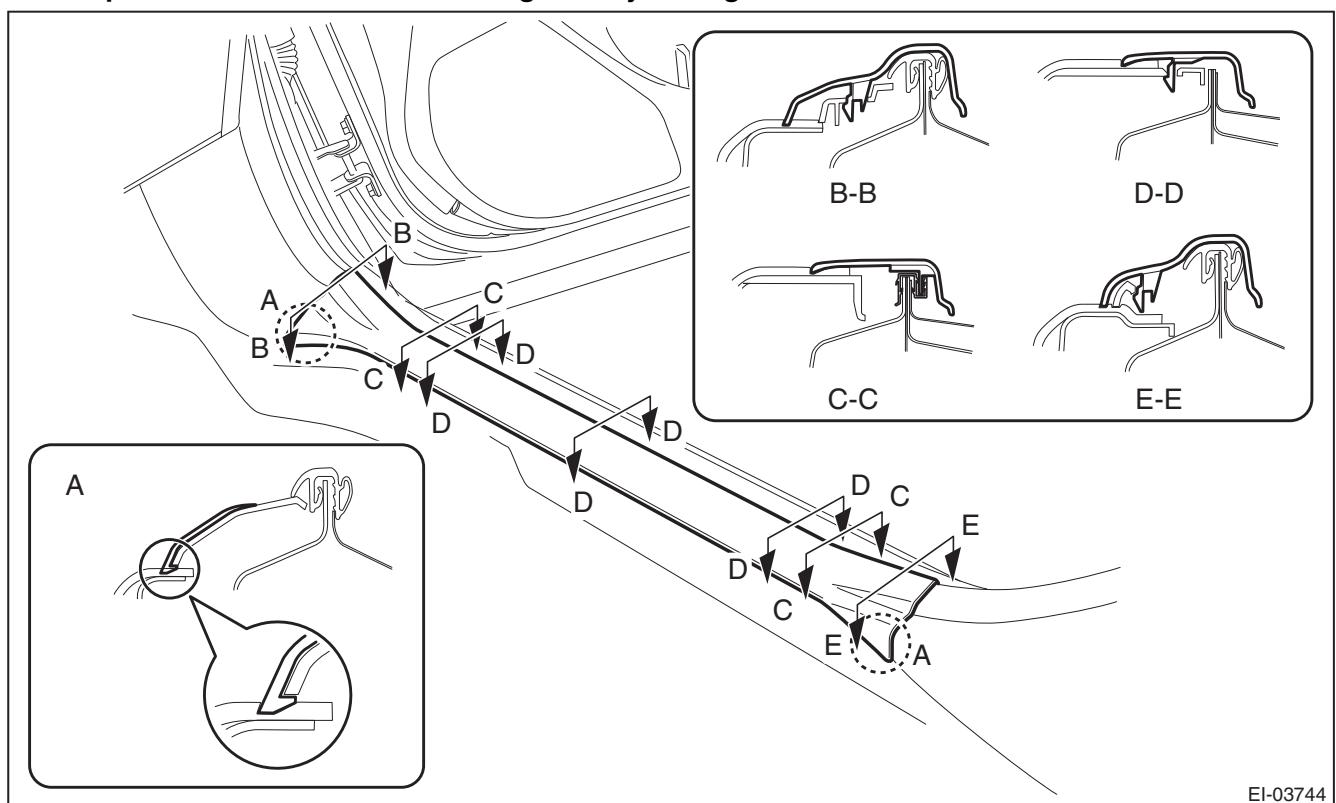
2) Turn the ignition switch to OFF.

3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

4) Release the claws, and then remove the cover side sill - front INN. (On the side where the side airbag sensor is removed)

CAUTION:

Do not pull with excessive force. Doing so may damage the claws of the cover side sill - front INN.



EI-03744

Side Airbag Sensor

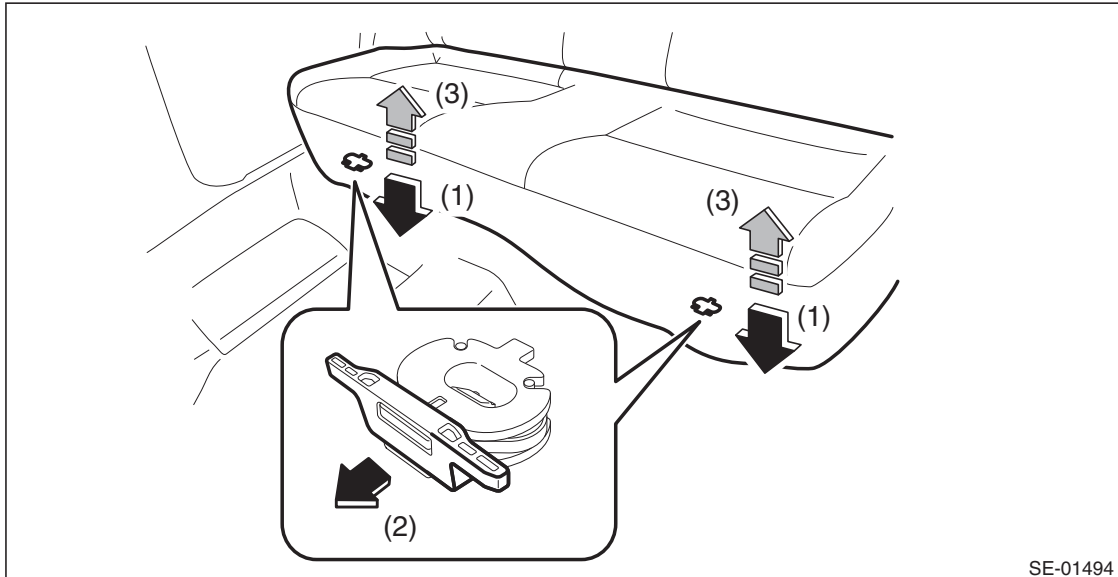
AIRBAG SYSTEM

5) Remove the rear seat cushion assembly.

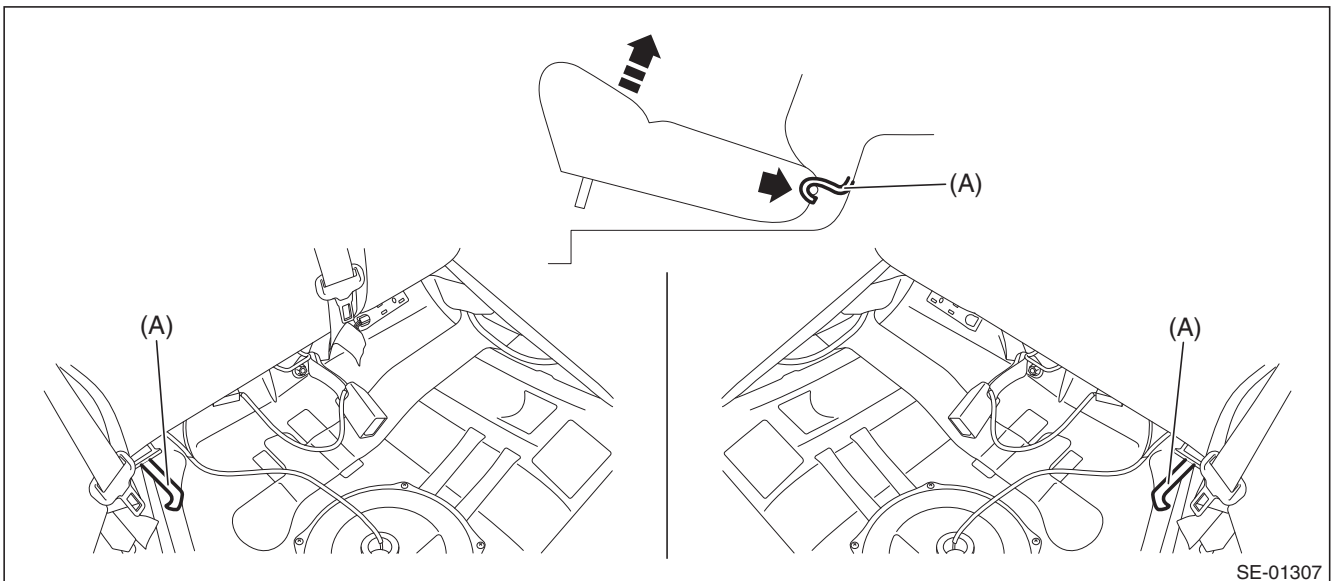
(1) Push the corners of the rear seat cushion from above.

(2) While pushing the corners of the rear seat cushion from above, pull the knob of the hook - seat cushion rear towards yourself.

(3) While pulling the knob towards yourself, disconnect the hooks by lifting up the rear seat cushion.



(4) Remove the hook (A) by pushing it back while lifting the front side of the rear seat cushion, and remove the rear seat cushion.



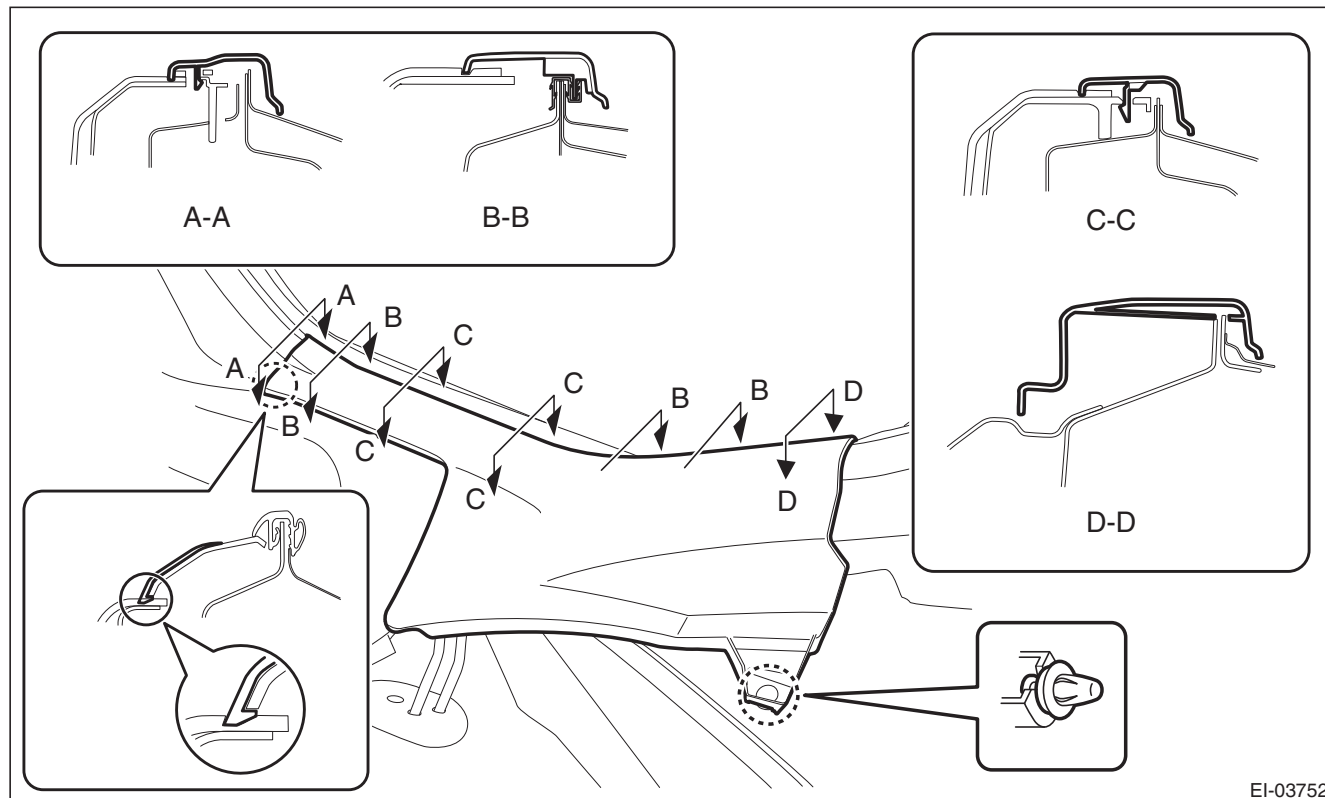
Side Airbag Sensor

AIRBAG SYSTEM

6) Release the clips and claws, and then remove the cover side sill - rear INN. (On the side where the side airbag sensor is removed)

CAUTION:

Do not pull with excessive force. Doing so may damage the claws of the cover side sill - rear INN.



EI-03752

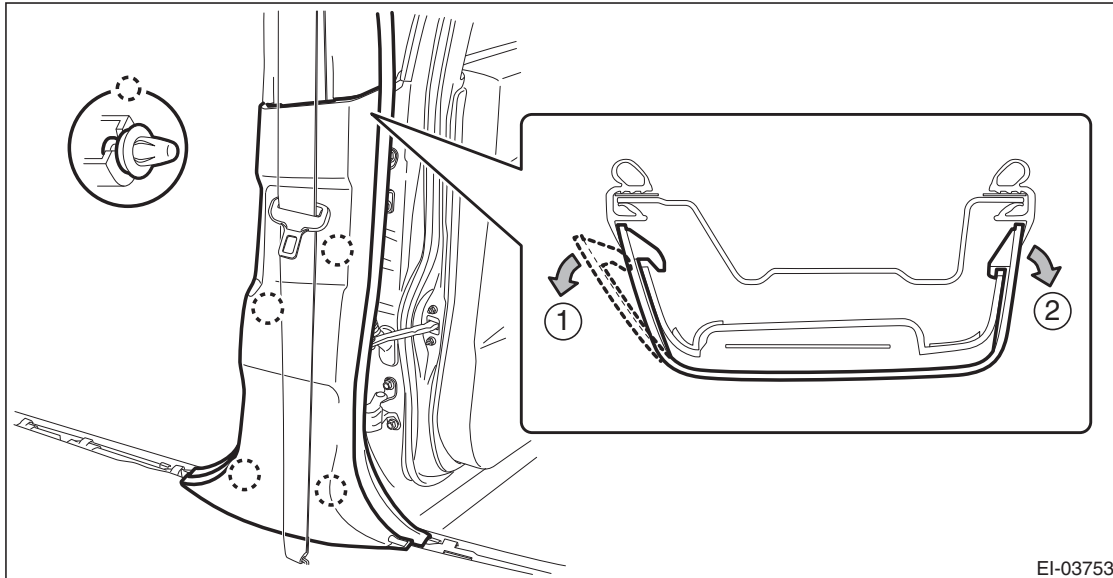
Side Airbag Sensor

AIRBAG SYSTEM

- 7) Remove the trim panel - center pillar LWR. (On the side where the side airbag sensor is removed)
- (1) Release the clip by pulling the trim panel - center pillar LWR toward you.
 - (2) Expand the claws of the trim panel - center pillar LWR outward, and remove it from the trim panel - center pillar UPR.

CAUTION:

Do not expand the trim panel - center pillar LWR excessively. Doing so may damage the trim.



NOTE:

First release the claw located to the front of the vehicle.

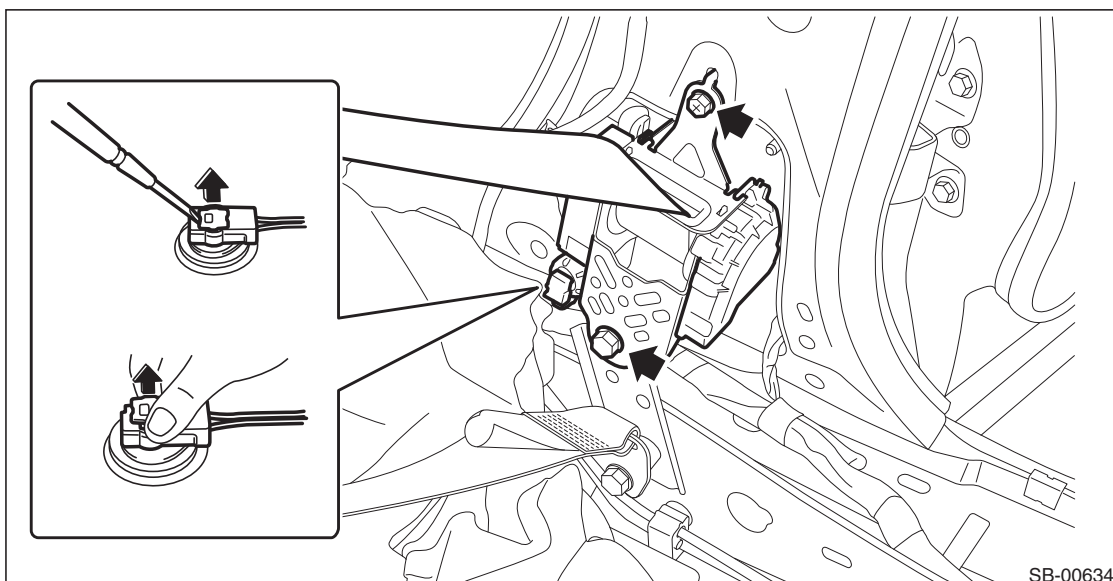
- 8) Remove the seat belt retractor. (On the side where the side airbag sensor is removed)

- (1) Turn over the floor mat to disconnect the belt tension sensor connector. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>

NOTE:

Also disconnect the connector of the passenger's lap seat belt pretensioner.

- (2) Remove the bolt to remove the seat belt retractor.



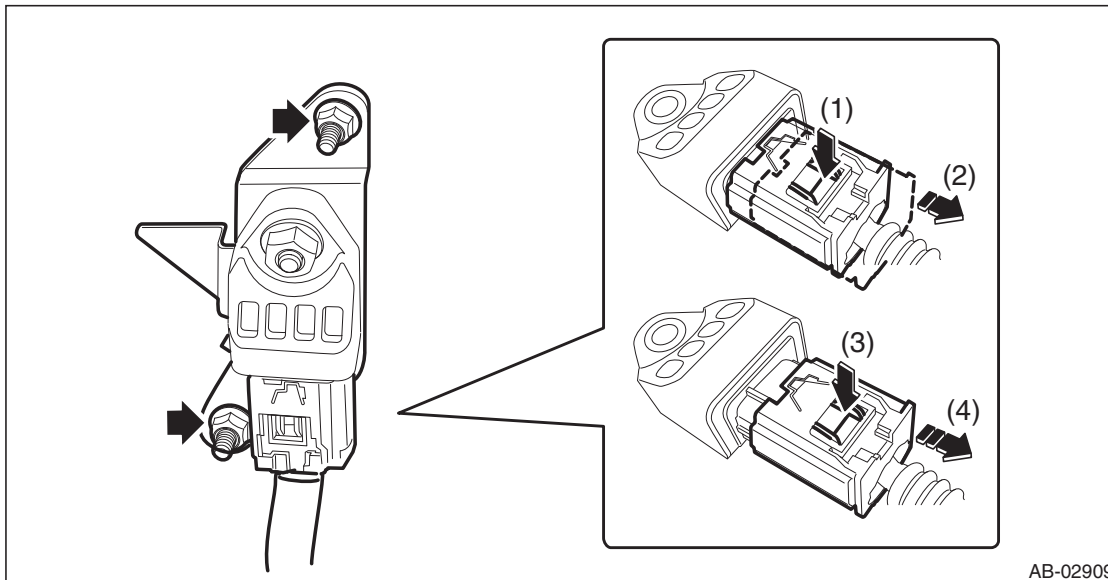
Side Airbag Sensor

AIRBAG SYSTEM

9) Remove the nuts and then remove the side airbag sensor. <Ref. to AB-25, SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR, PROCEDURE, Airbag Connector.>

CAUTION:

- Do not separate the side airbag sensor and bracket. It causes the airbag system malfunction.
- If the sensor is removed from the bracket, be sure to replace with a new part.



B: INSTALLATION

CAUTION:

Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

1) Before installation, inspect the following items and replace any faulty part with a new part.

- The side airbag sensor, sensor bracket, or connector are damaged.
- Side airbag module has been activated.

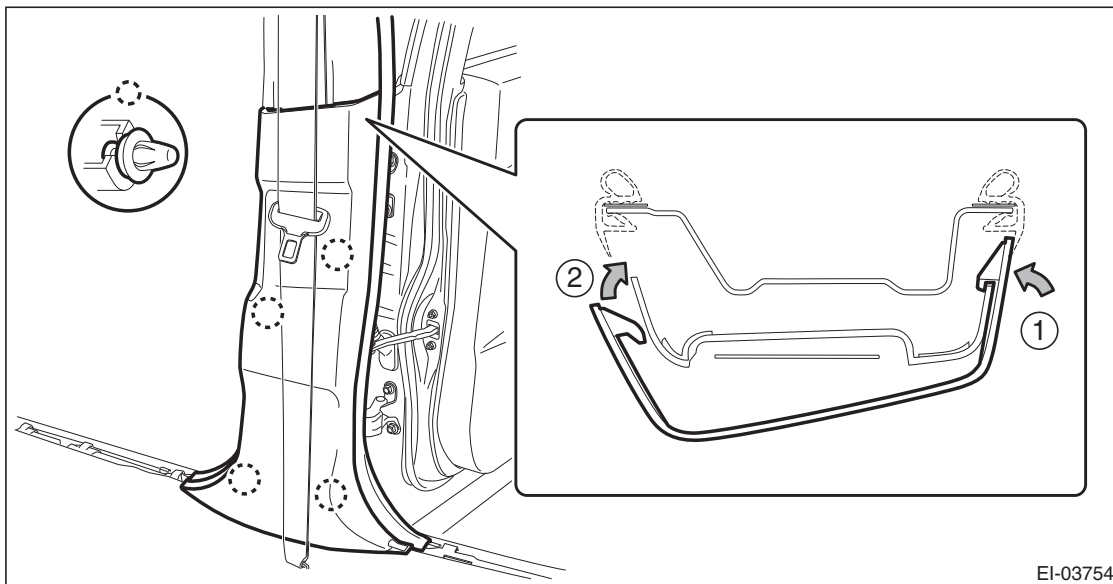
Tightening torque:

Side airbag sensor: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

2) Install each part in the reverse order of removal.

NOTE:

Assemble the trim panel - center pillar LWR to the trim panel - center pillar UPR securely.



EI-03754

Tightening torque:

Front seat belt: <Ref. to SB-2, FRONT SEAT BELT, COMPONENT, General Description.>

Curtain Airbag Sensor

AIRBAG SYSTEM

13. Curtain Airbag Sensor

A: REMOVAL

CAUTION:

- Airbag system satellite safing sensor is located in the lower of the rear seat cushion center. Before removing the rear seat, refer to "CAUTION" of "General Description" in "AIRBAG SYSTEM" section. <Ref. to AB-9, CAUTION, General Description.>
- The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds before starting the service of airbag system.

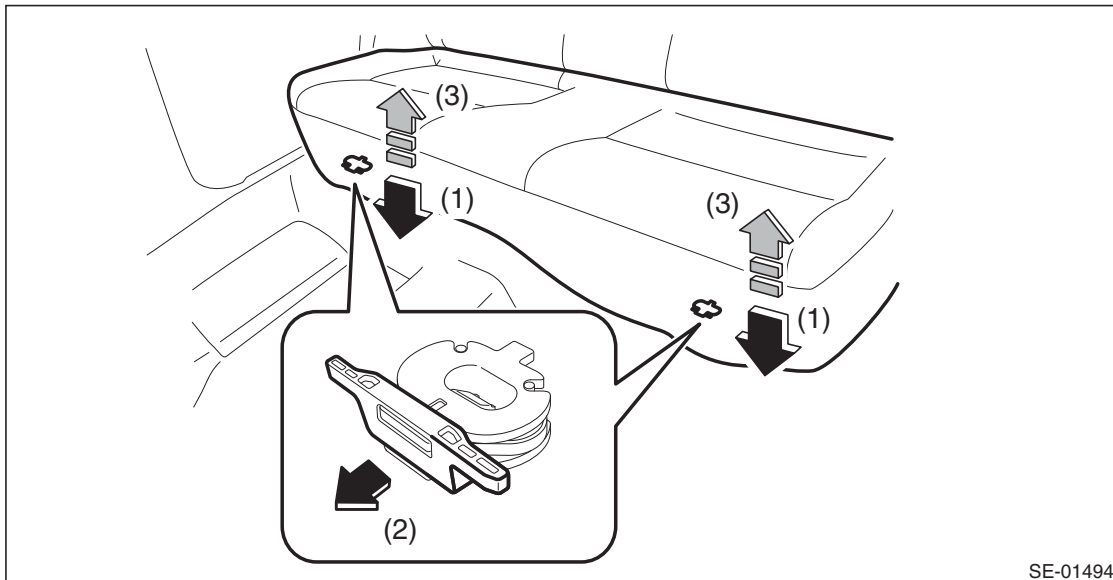
1) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

2) Remove the rear seat cushion assembly.

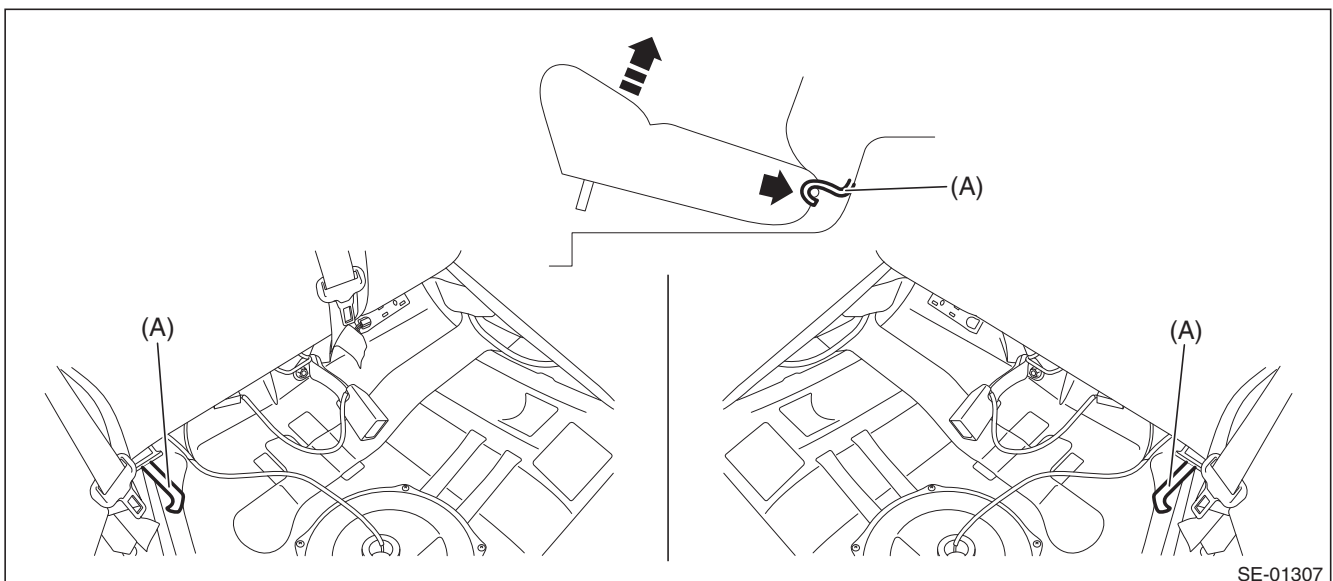
(1) Push the corners of the rear seat cushion from above.

(2) While pushing the corners of the rear seat cushion from above, pull the knob of the hook - seat cushion rear towards yourself.

(3) While pulling the knob towards yourself, disconnect the hooks by lifting up the rear seat cushion.



(4) Remove the hook (A) by pushing it back while lifting the front side of the rear seat cushion, and remove the rear seat cushion.



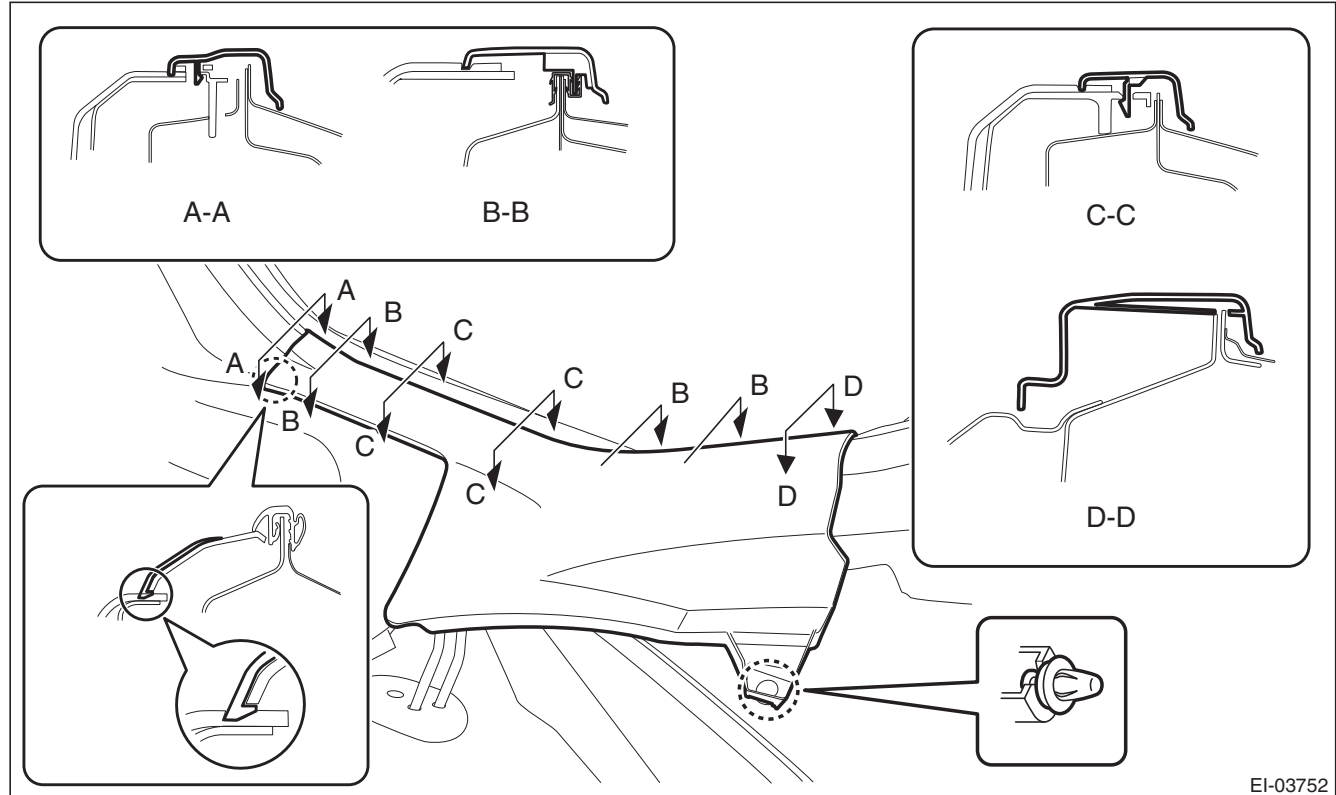
Curtain Airbag Sensor

AIRBAG SYSTEM

3) Release the clips and claws, and remove the side sill covers - rear INN on the left and right sides. (On the side where the curtain airbag sensor is removed)

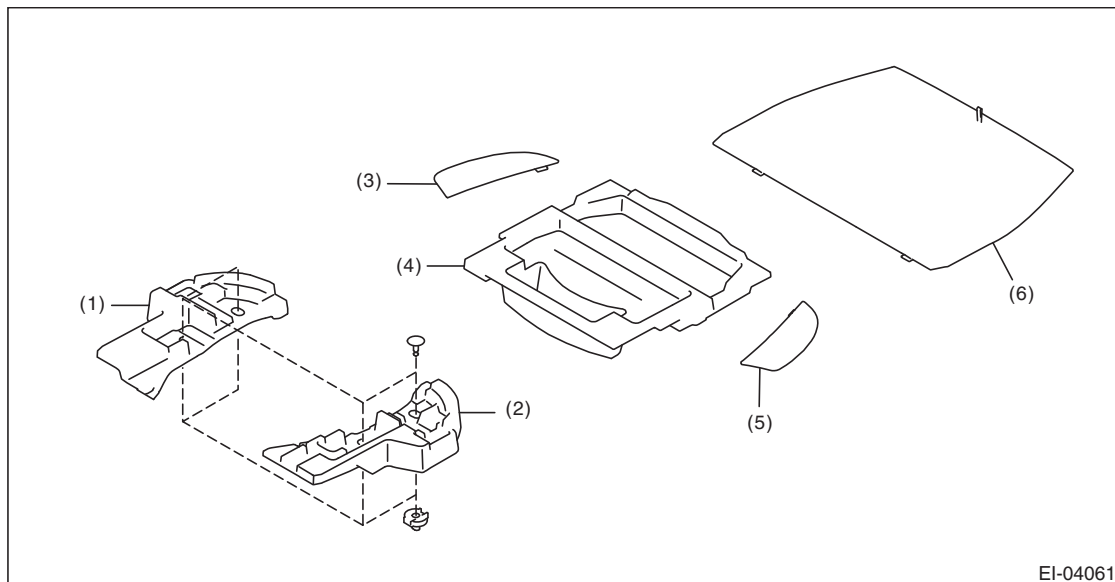
CAUTION:

Do not pull with excessive force. Doing so may damage the claws of the side sill cover - rear INN.



EI-03752

4) Remove the mat - rear floor, spacer - rear floor, and cover - trunk.



EI-04061

- (1) Spacer - rear floor side RH
- (2) Spacer - rear floor side LH

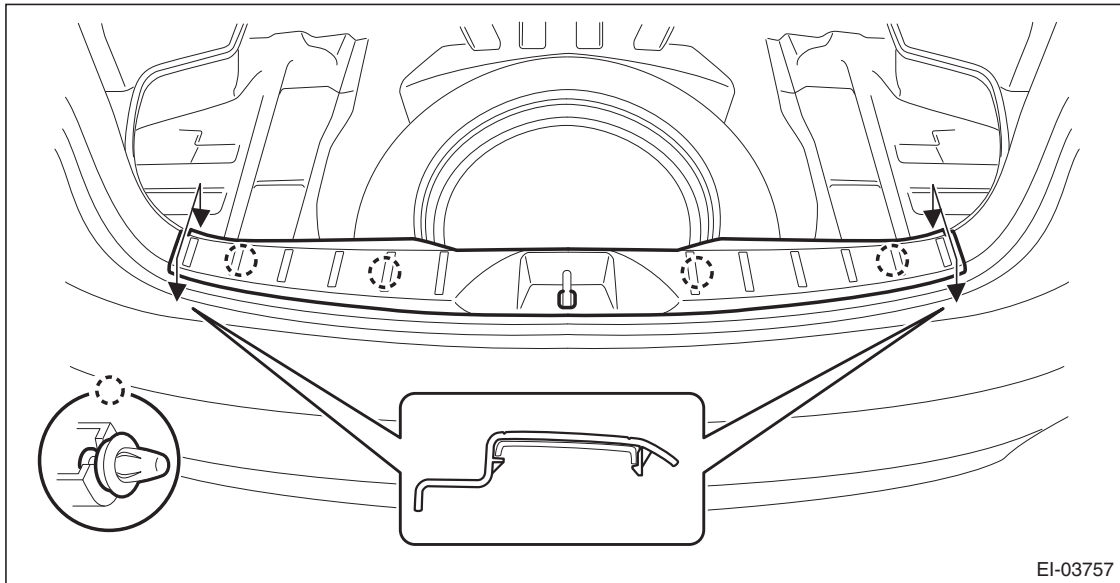
- (3) Mat - rear floor RH
- (4) Cover - trunk

- (5) Mat - rear floor LH
- (6) Mat - rear floor CTR

Curtain Airbag Sensor

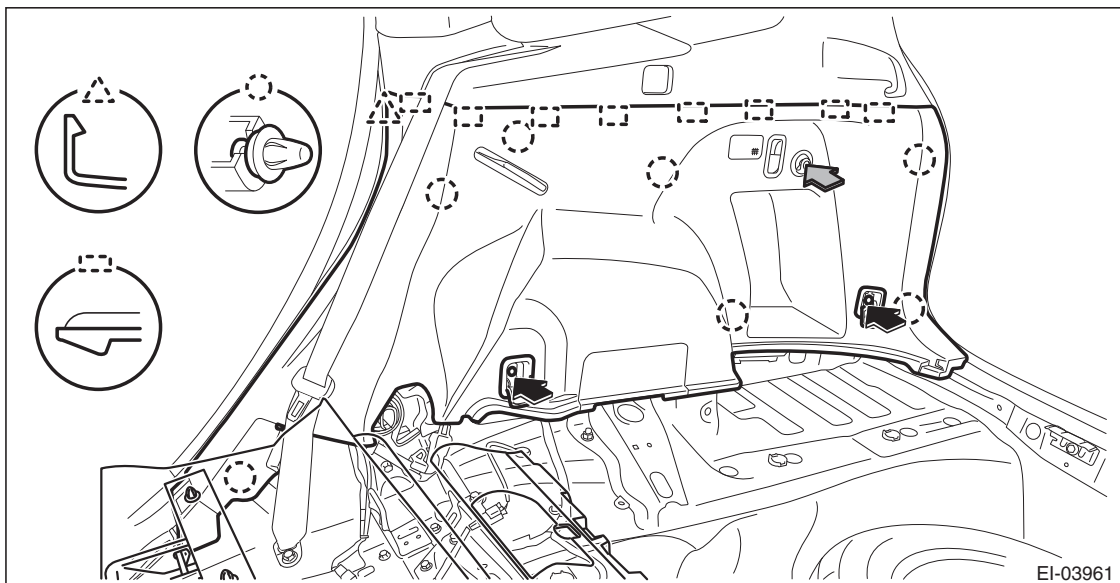
AIRBAG SYSTEM

5) Remove the clips, and remove the trim panel - rear skirt.



6) Remove the trim panel - rear apron. (On the side where the curtain airbag sensor is removed)

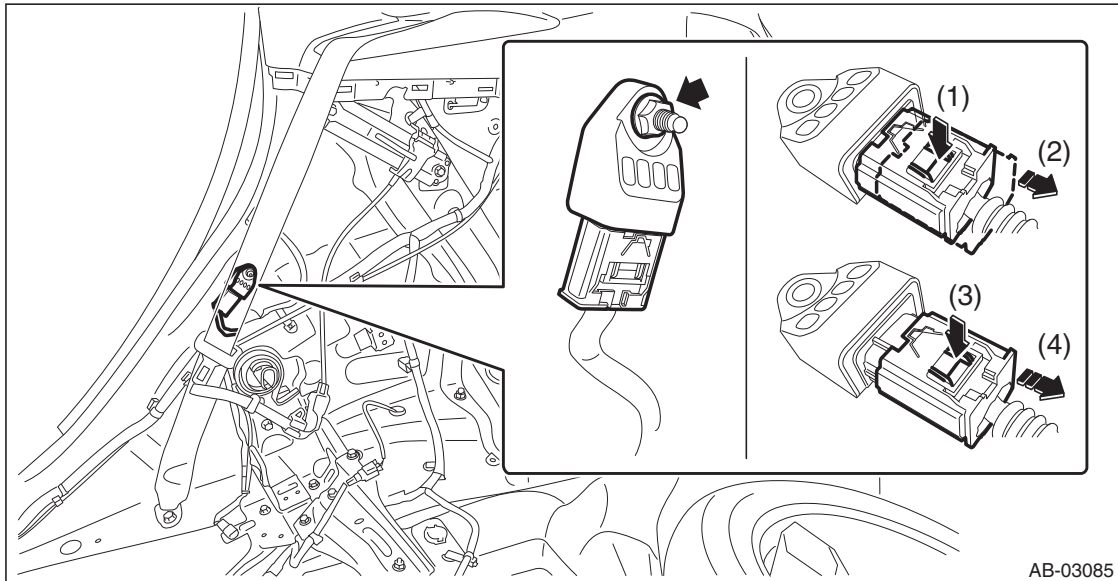
- (1) Open the cover, remove the bolts, and remove the hook - luggage. (2 places)
- (2) Remove the screws, and release the clips.
- (3) Disconnect the connectors and remove the trim panel - rear apron.



Curtain Airbag Sensor

AIRBAG SYSTEM

7) Remove the nuts and then remove the curtain airbag sensor. <Ref. to AB-25, SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR, PROCEDURE, Airbag Connector.>



B: INSTALLATION

CAUTION:

- Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

- When installing the sensor, insert the set pin on the backside of the sensor into the hole on the body side securely.

1) Before installation, inspect the following items and replace any faulty part with a new one.

- Curtain airbag sensor or connector is damaged.
- Curtain airbag module has been activated.

2) Install each part in the reverse order of removal.

Tightening torque:

Curtain airbag sensor: 7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

Rear seat backrest assembly: <Ref. to SE-6, REAR SEAT, COMPONENT, General Description.>

Satellite Safing Sensor

AIRBAG SYSTEM

14. Satellite Safing Sensor

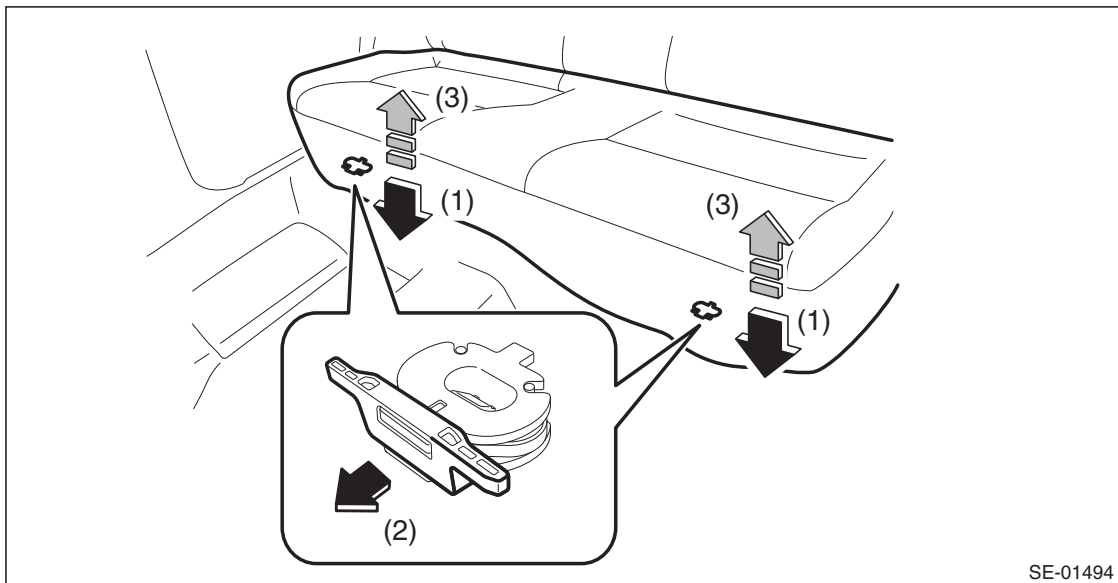
A: REMOVAL

- 1) Turn the ignition switch to OFF.
- 2) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.

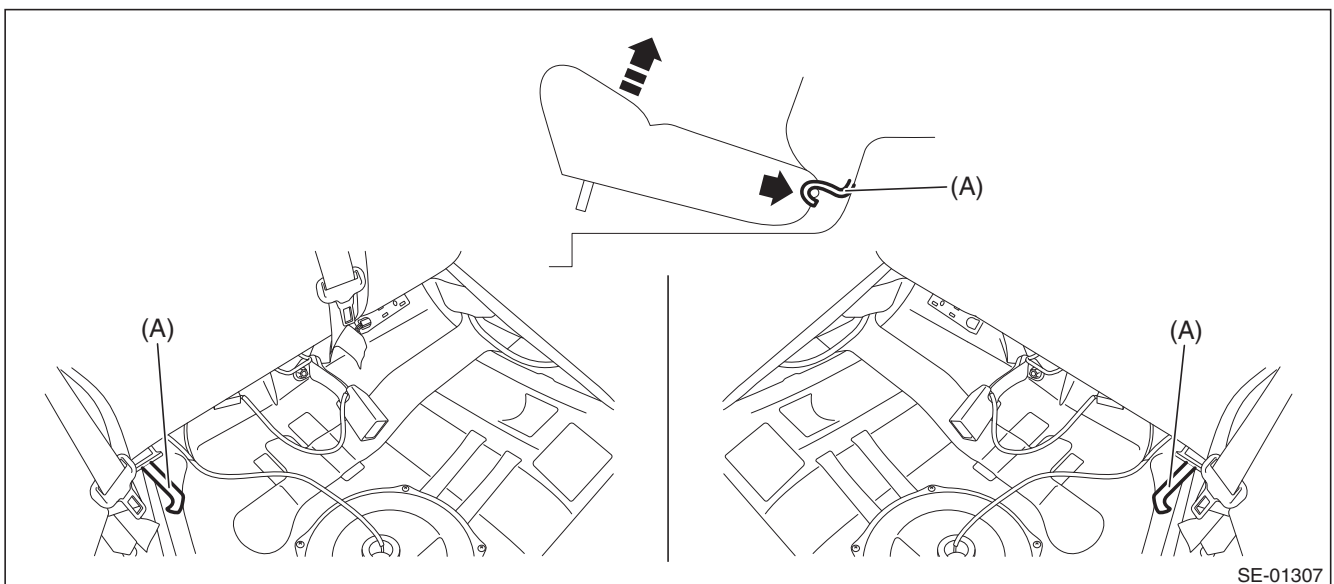
CAUTION:

The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds before starting the service of airbag system.

- 3) Remove the rear seat cushion assembly.
 - (1) Push the corners of the rear seat cushion from above.
 - (2) While pushing the corners of the rear seat cushion from above, pull the knob of the hook - seat cushion rear towards yourself.
 - (3) While pulling the knob towards yourself, disconnect the hooks by lifting up the rear seat cushion.



- (4) Remove the hook (A) by pushing it back while lifting the front side of the rear seat cushion, and remove the rear seat cushion.



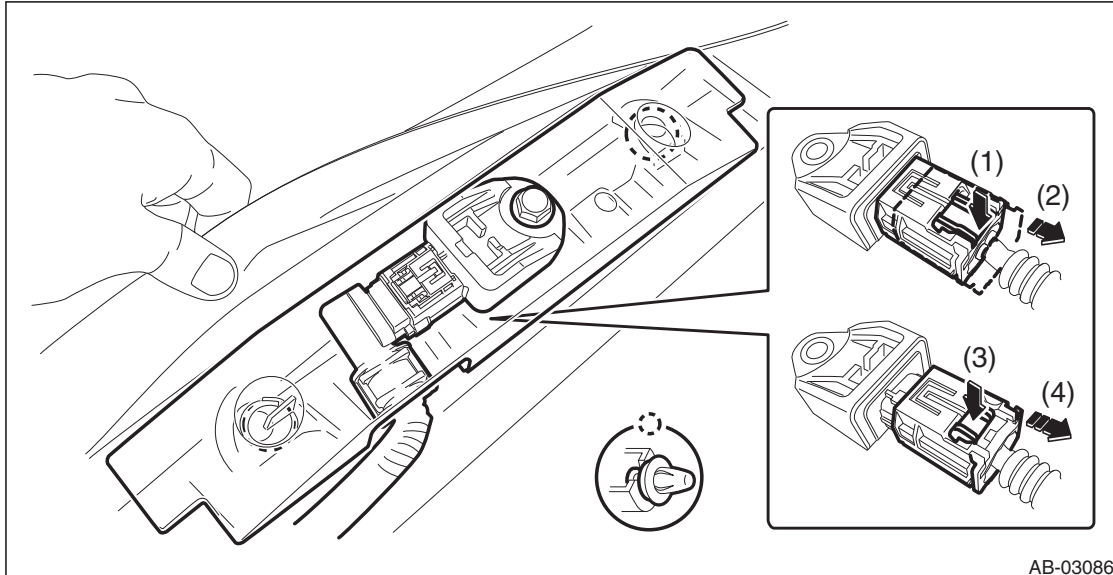
Satellite Safing Sensor

AIRBAG SYSTEM

4) Remove the satellite safing sensor.

(1) Remove the clip, and remove the cover - satellite safing.

(2) Remove the bolts and then remove the satellite safing sensor. <Ref. to AB-22, FRONT SUB SENSOR, FRONT DOOR IMPACT SENSOR AND SATELLITE SAFING SENSOR, PROCEDURE, Airbag Connector.>



B: INSTALLATION

CAUTION:

- Do not reuse the bolt and nut.

Always replace with the specified new bolts and nuts.

- When installing the cover - satellite safing, push the cover securely until it contacts the floor panel.
 - If the cover - satellite safing is too loose at its mounting portion to remove easily, replace with a new cover - satellite safing.
 - After installing the cover - satellite safing, make sure that the sensor harness does not get caught.
- Install each part in the reverse order of removal.

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

C: INSPECTION

Check for the following, and replace the damaged parts with new parts.

- The satellite safing sensor connector is damaged.
- The cover - satellite safing is damaged
- Side airbag or curtain airbag has been activated.

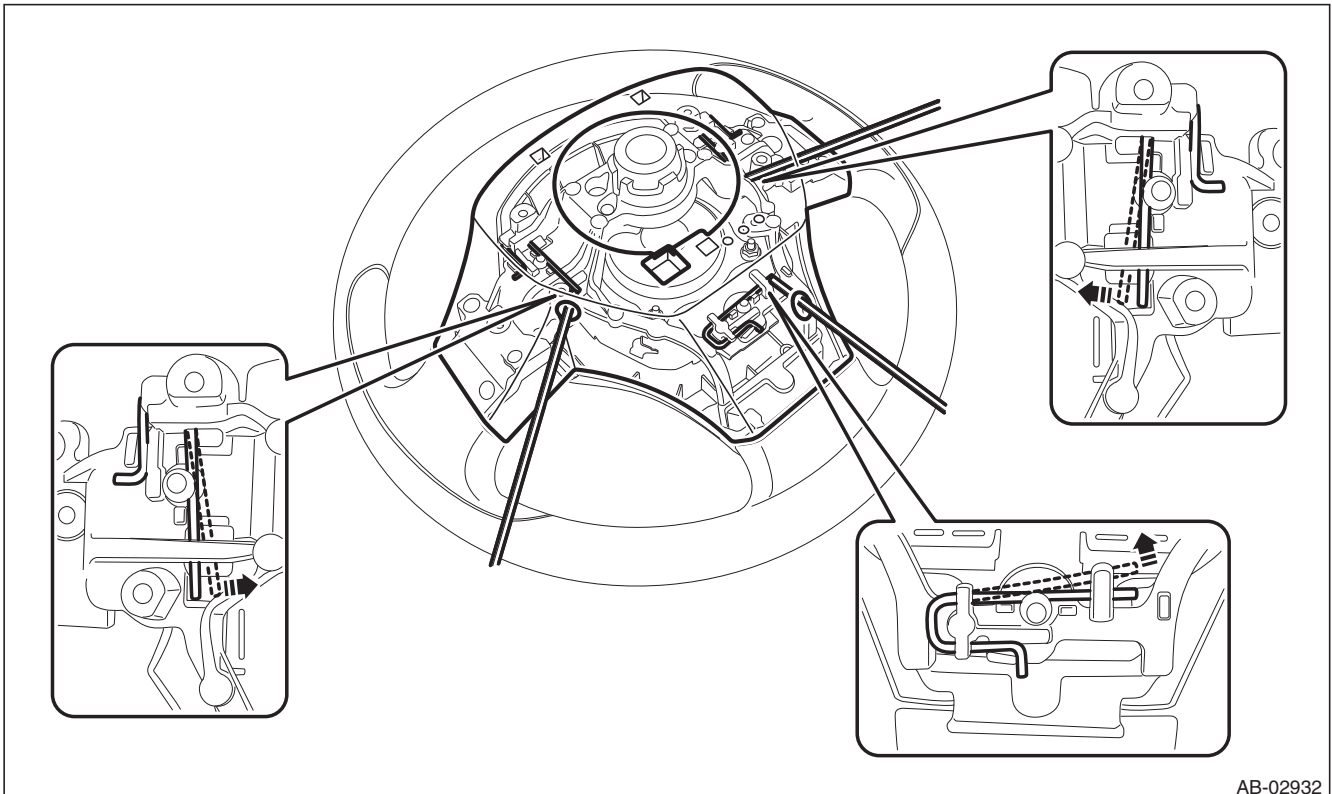
Roll Connector

AIRBAG SYSTEM

15.Roll Connector

A: REMOVAL

- 1) Position the front wheels straight ahead. (After moving a vehicle 5 m (16 ft) or more with front wheels positioned straight ahead, make sure that the vehicle moves straight ahead.)
- 2) Turn the ignition switch to OFF.
- 3) Disconnect the ground cable from battery and wait for at least 60 seconds before starting work.
- 4) Remove the driver's airbag module.
 - (1) Using a hexagon wrench etc. wrapped by protective tape, insert the snap pins and release the locks (3 locations).

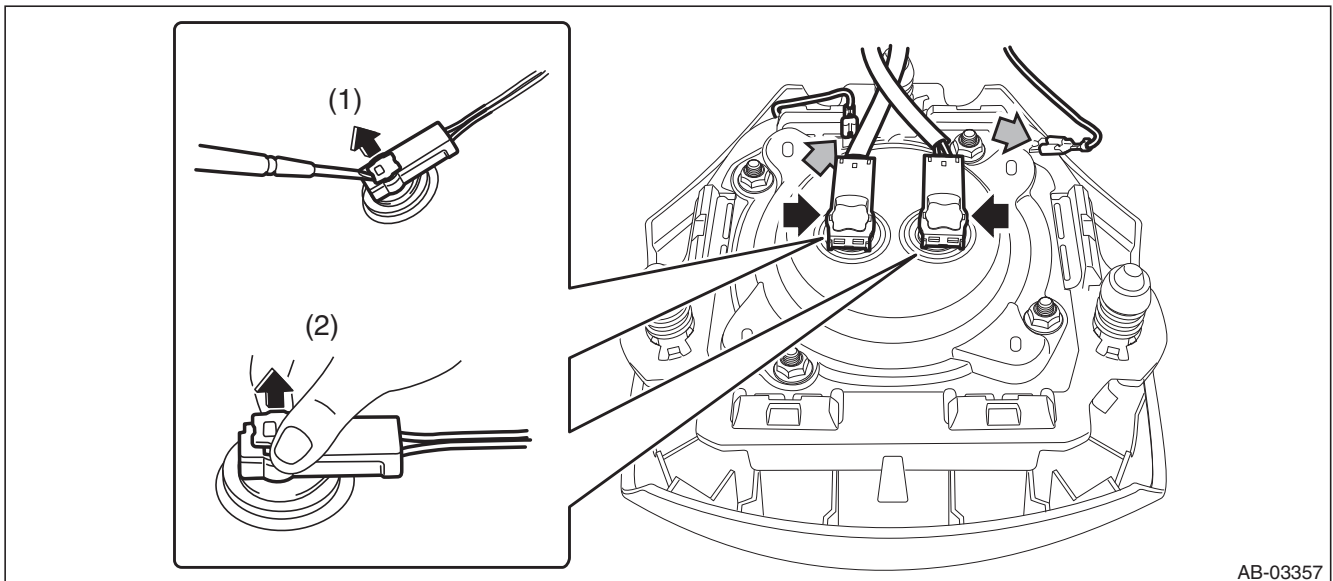


AB-02932

Roll Connector

AIRBAG SYSTEM

(2) Disconnect the horn harness and airbag connector, and remove the driver's airbag module. <Ref. to AB-21, DRIVER'S AIRBAG MODULE, KNEE AIRBAG MODULE, CURTAIN AIRBAG MODULE AND PRETENSIONER, PROCEDURE, Airbag Connector.>



5) Remove the steering wheel.

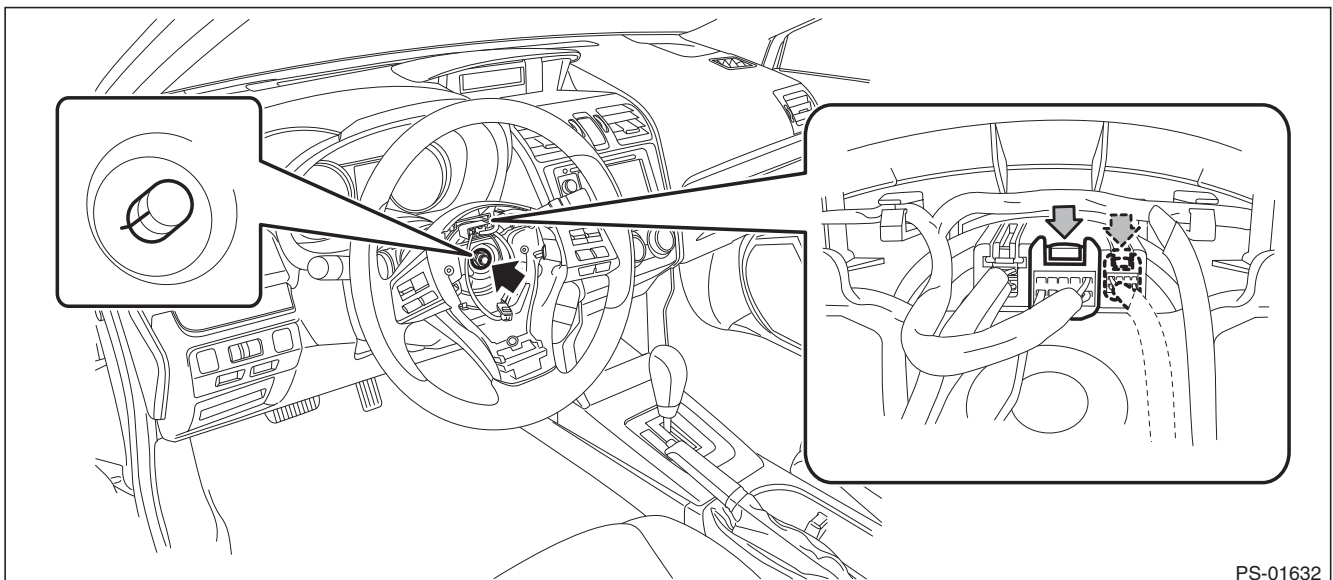
CAUTION:

- Always use the steering wheel puller for removal to avoid deforming the steering wheel.
- If the steering wheel has been removed, make sure that the roll connector is not turned from the original position.

- (1) Disconnect the connector and remove the nut.
- (2) Put alignment marks and remove the steering wheel.

Preparation tool:

Steering wheel puller

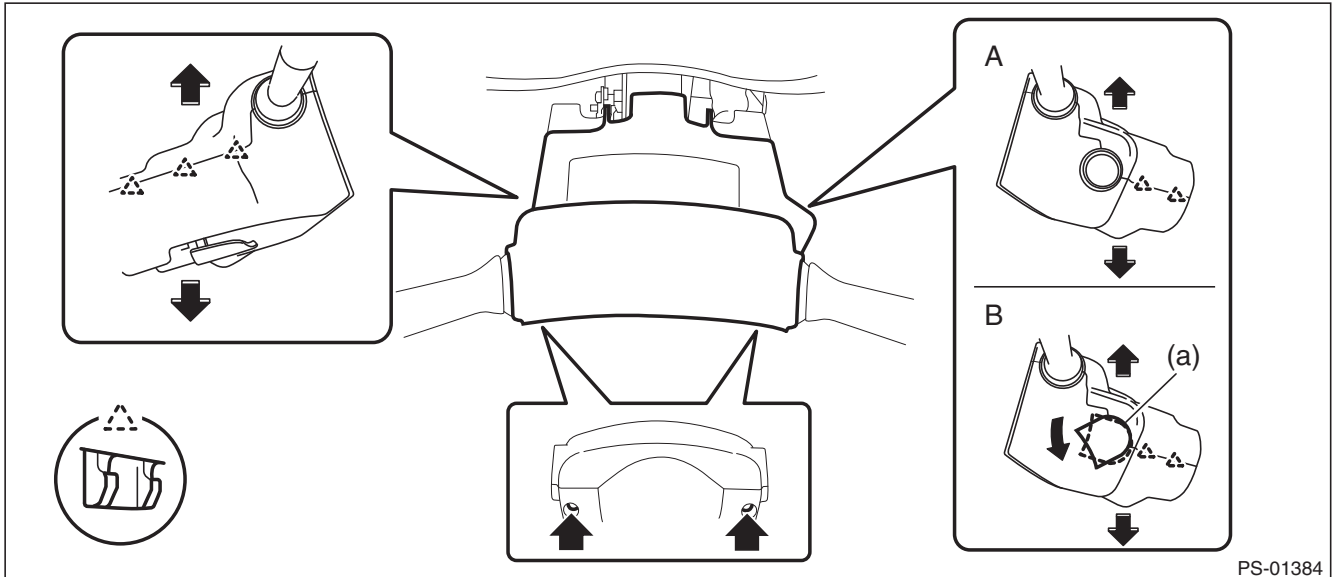


Roll Connector

AIRBAG SYSTEM

6) Remove the cover assembly - column.

- (1) Remove the screws.
- (2) Remove the cap - key cylinder (a). (Model with keyless access)
- (3) Release the claw, and remove the cover assembly - column UPR and the cover assembly - column LWR.



A Models without keyless access

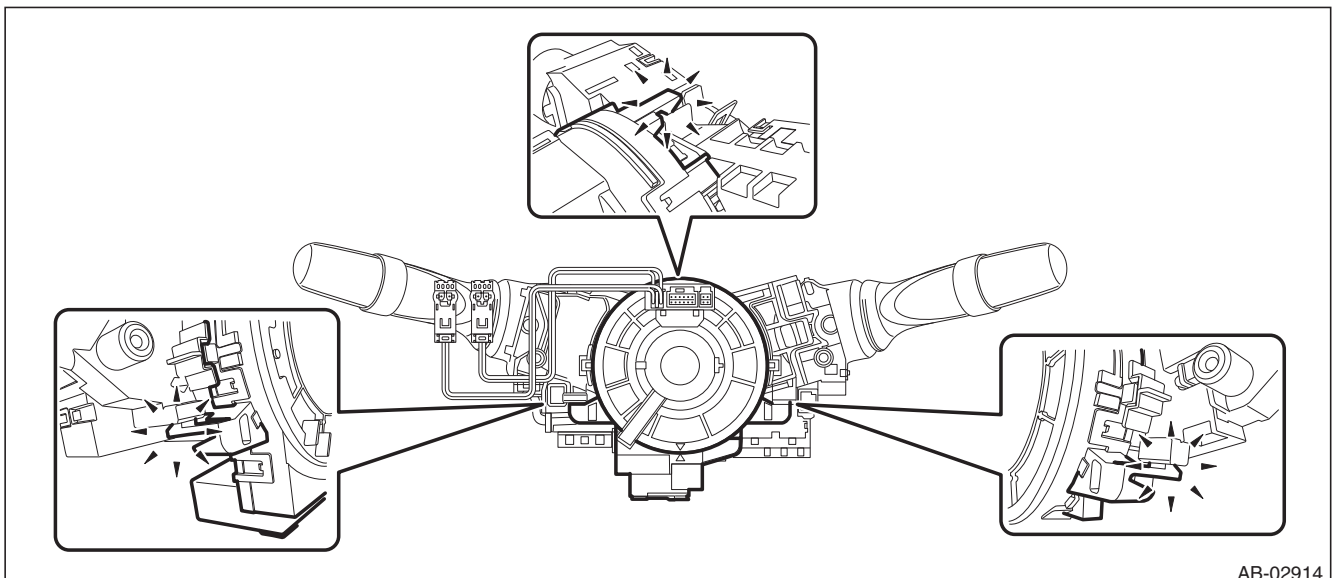
B Models with keyless access

7) Remove the roll connector.

CAUTION:

Make sure that the roll connector is not turned from the original position.

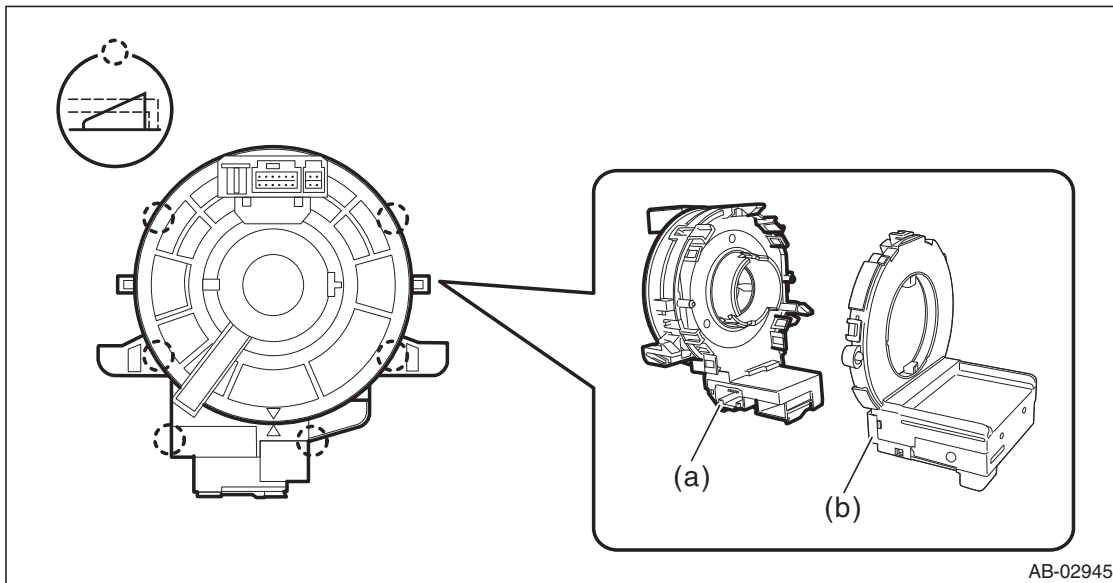
- (1) Disconnect the connector under the roll connector.
- (2) Release the claws and remove the roll connector.



Roll Connector

AIRBAG SYSTEM

- (3) Release the claws and separate the roll connector (a) and steering angle sensor (b).

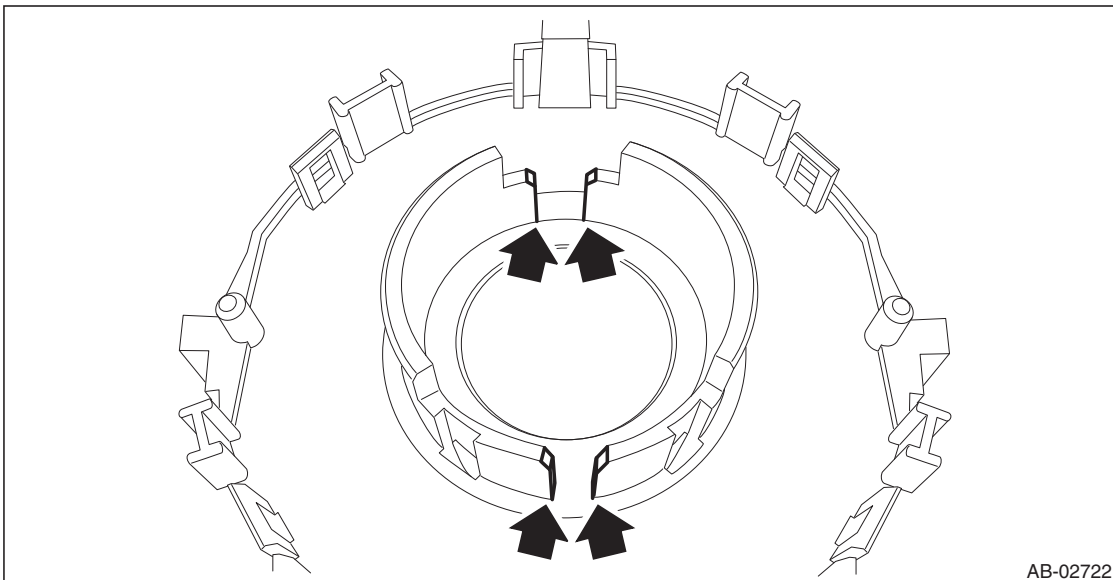


B: INSTALLATION

CAUTION:

If the steering wheel and steering angle sensor are removed, perform "VDC sensor midpoint setting mode" of the VDC. <Ref. to VDC-23, VDC SENSOR MIDPOINT SETTING MODE, ADJUSTMENT, VDC Control Module and Hydraulic Control Unit (VDCCM&H/U).>

- 1) Before attaching a new roll connector, apply a thin coat of grease contained in the connector onto the areas shown by the arrows.



- 2) Install each part in the reverse order of removal.
3) Before installing steering wheel, be sure to adjust the direction of roll connector with steering. <Ref. to AB-103, ADJUSTMENT, Roll Connector.>

Tightening torque:

Steering wheel: 39 N·m (3.98 kgf-m, 28.8 ft-lb)

Clearance:

Cover assembly - column to Steering wheel: 4 — 6 mm (0.16 — 0.24 in)

Roll Connector

AIRBAG SYSTEM

C: INSPECTION

1. VISUAL INSPECTION

Check for the following, and replace the damaged parts with new parts.

- Combination switch is cracked or deformed.
- Roll connector is cracked or deformed.

2. UNIT INSPECTION OF ROLL CONNECTOR

CAUTION:

- Do not rotate the roll connector to more than the specified number of turns. Otherwise, the roll connector internal wire may be broken.
- When determining the end stop, rotate the connector slowly without applying excessive force. Applying excessive force at the end stop may break the internal wire.

1) Adjust the roll connector. <Ref. to AB-103, ADJUSTMENT, Roll Connector.>

2) Set the roll connector to the central position.

3) Connect the test harness to the connector E and connector F.

PREPARATION TOOL:

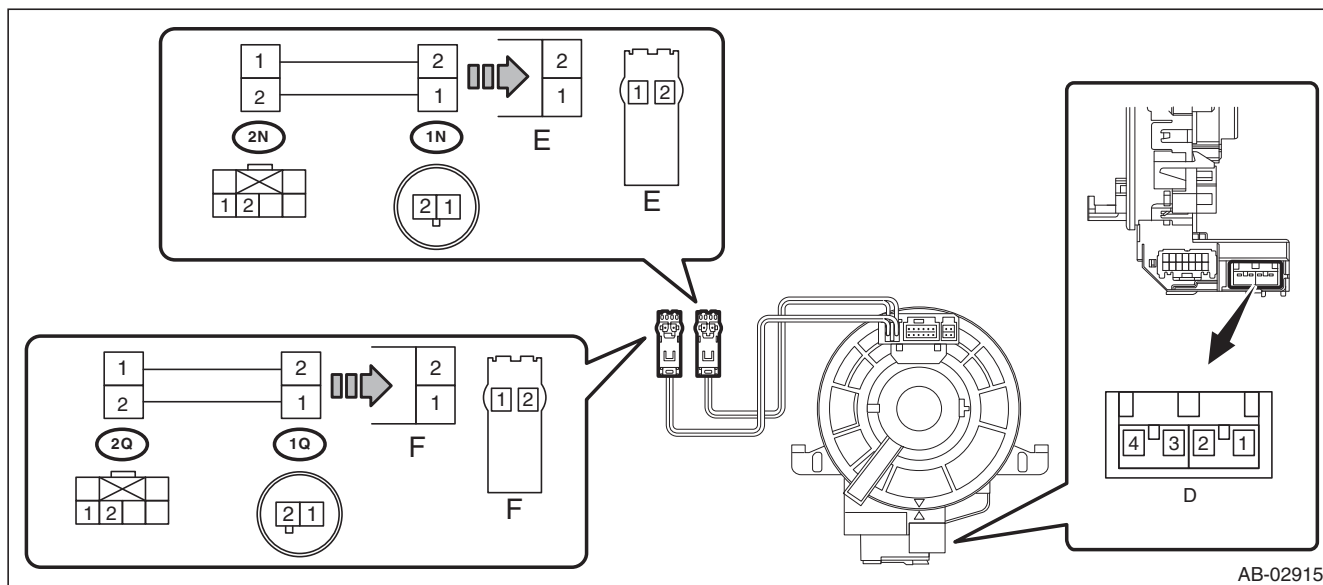
Test harness N (98299SA000)

Test harness Q (98299SA040)

- Connector E - Test harness N (1N)
- Connector F - Test harness Q (1Q)
- 4) With the following conditions, check the resistance between the test harness connector terminals.
 - Perform the check with the roll connector centered (front wheels direct straightforward).
 - Rotate the roll connector counterclockwise from the center (front wheels direct straightforward) to an end stop. Then, perform the check while rotating it clockwise to approximately 4.5 turns.

PREPARATION TOOL:

Circuit tester



Terminal No.	Inspection conditions	Standard
(2N) No. 1 — (2N) No. 2	Always	Less than 1 Ω
(2Q) No. 1 — (2Q) No. 2	Always	Less than 1 Ω

NOTE:

The connector D is designed to short the terminals D1/D2 and D3/D4 when disconnected.

5) Replace the roll connector with a new part if the inspection result is not within the standard.

D: ADJUSTMENT

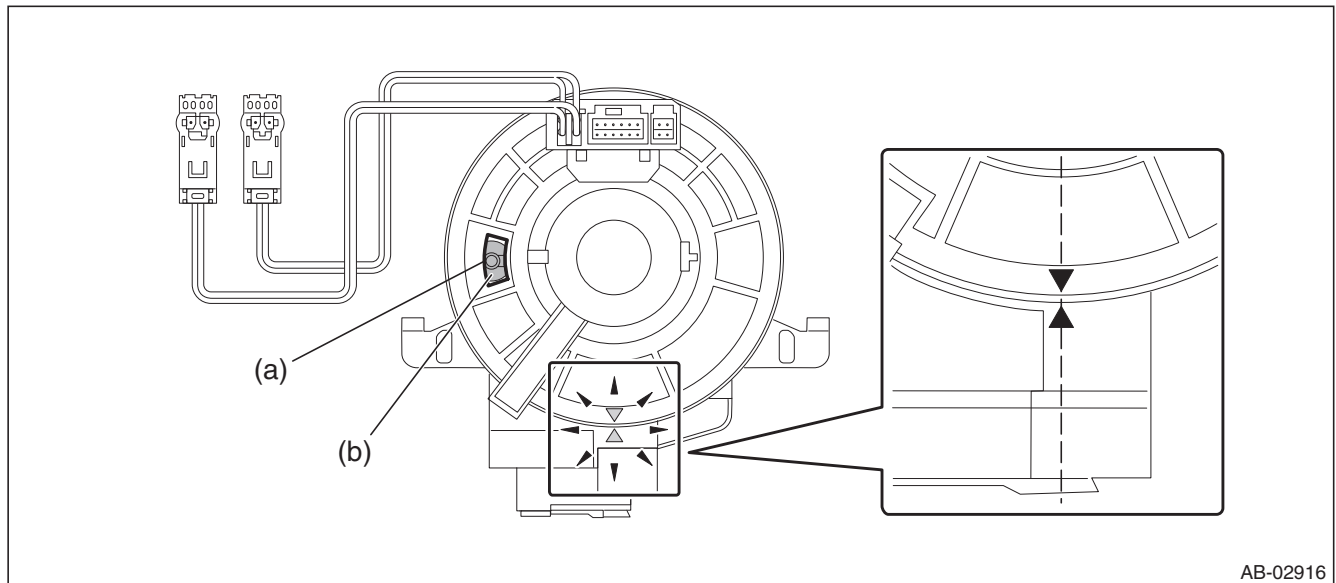
CAUTION:

- Do not rotate the roll connector to more than the specified number of turns. Otherwise, the roll connector internal wire may be broken.
- When determining the end stop, rotate the connector slowly without applying excessive force. Applying excessive force at the end stop may break the internal wire.

- 1) Check that front wheels are positioned in straight ahead direction.
- 2) Rotate the roll connector counterclockwise until it stops.
- 3) Rotate the roll connector clockwise approx. 2.5 turns until "▲" marks are aligned.

NOTE:

When the roll connector comes to the center position, the orange roller (b) can be seen from the sight glass (a).



AB-02916

Roll Connector

AIRBAG SYSTEM

AIRBAG SYSTEM (DIAGNOSTICS)

AB(diag)

	Page
1. Basic Diagnostic Procedure	2
2. Check List for Interview	3
3. General Description	4
4. Electrical Component Location	13
5. Airbag Connector	15
6. Airbag Control Module I/O Signal	16
7. Subaru Select Monitor	18
8. Read Diagnostic Trouble Code (DTC)	21
9. Inspection Mode	22
10. Clear Memory Mode	23
11. Display of Status Information	24
12. Event Record Data	25
13. Airbag Warning Light Illumination Pattern	26
14. Airbag Warning Light Failure	27
15. List of Diagnostic Trouble Code (DTC)	28
16. Diagnostic Chart with Trouble Code	38



Basic Diagnostic Procedure

AIRBAG SYSTEM (DIAGNOSTICS)

1. Basic Diagnostic Procedure

A: PROCEDURE

Step	Check	Yes	No
1 CHECK WARNING LIGHT. Check whether the airbag warning light in the combination meter is lit.	Does the airbag warning light illuminate?	Go to step 2.	Perform the diagnosis according to phenomenon of the problem.
2 READ DTC. 1) Turn the ignition switch to OFF. 2) Connect the Subaru Select Monitor to data link connector. 3) Turn the ignition switch to ON and run the Subaru Select Monitor. 4) Read the DTC. (Current malfunction) <Ref. to AB(diag)-21, OPERATION, Read Diagnostic Trouble Code (DTC).> NOTE: If the communication function of the Subaru Select Monitor cannot be executed properly, check the communication circuit. <Ref. to AB(diag)-18, COMMUNICATION FOR INITIALIZING IMPOSSIBLE, INSPECTION, Subaru Select Monitor.> 5) Record all DTCs, time stamp and freeze frame data. NOTE: For time stamp, refer to "LAN SYSTEM". <Ref. to LAN(diag)-6, TIME STAMP, CAUTION, General Description.>	Is DTC displayed?	Go to step 3.	Go to "Airbag Warning Light Failure" <Ref. to AB(diag)-27, Airbag Warning Light Failure.>.
3 PERFORM DIAGNOSIS. 1) Determine the possible cause from "List of Diagnostic Trouble Code (DTC)" <Ref. to AB(diag)-28, 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)-23, Clear Memory Mode.> 5) Perform the Inspection Mode. <Ref. to AB(diag)-22, Inspection Mode.> 6) Read any other DTCs displayed.	Is DTC 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	☐ Fine ☐ Cloudy ☐ Rainy ☐ Snowy ☐ Others:		
Temperature	°C (°F)		
Road Condition	☐ Flat road ☐ Uphill ☐ Downhill ☐ Gravel road ☐ Others:		
Vehicle Operation	☐ Starting ☐ Idling ☐ Driving ☐ Constant speed ☐ Accelerating ☐ Decelerating ☐ Turning ☐ Others:		
Details of Problem			
Airbag Warning Light Operation	☐ Normal (After turning the ignition switch to ON, lit for approximately 6 seconds and goes off.) ☐ Remains ON ☐ Remains OFF		
DTC output	☐ OK code ☐ DTC: (Code:)		

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

3. General Description

A: CAUTION

Refer to "CAUTION" in "General Description" in Airbag System. <Ref. to AB-9, CAUTION, General Description.>

B: INSPECTION

Measure the battery voltage and check electrolyte.

Standard voltage: 12 V

Specific gravity: 1.260 or more

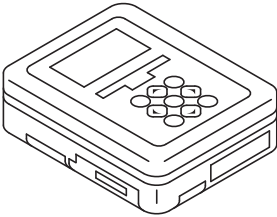
C: PREPARATION TOOL

CAUTION:

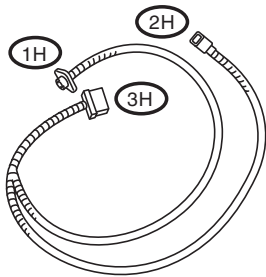
To measure the voltage and resistance of airbag system component, be sure to use the specified test harness.

1. SPECIAL TOOL

- Subaru Select Monitor

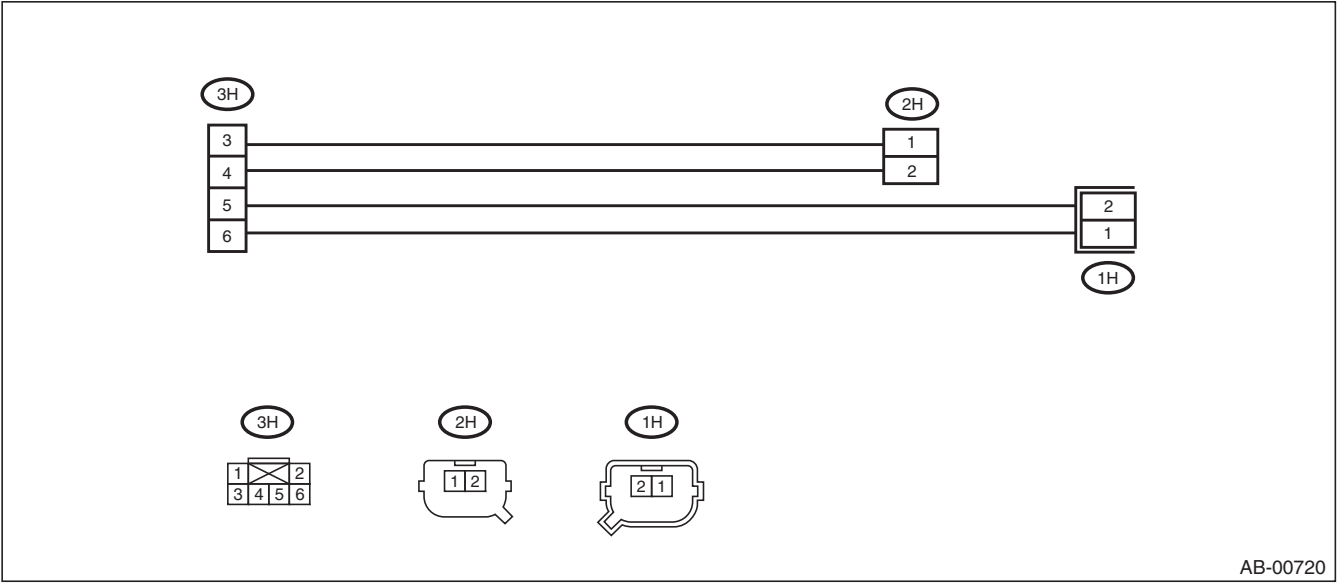
ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST1B022XU0	1B022XU0	SUBARU SELECT MONITOR III KIT	Used for troubleshooting the electrical system.

- TEST HARNESS H

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299FA030	98299FA030	TEST HARNESS H	Used when measuring voltage and resistance of front sub sensor and front door impact sensor.

General Description

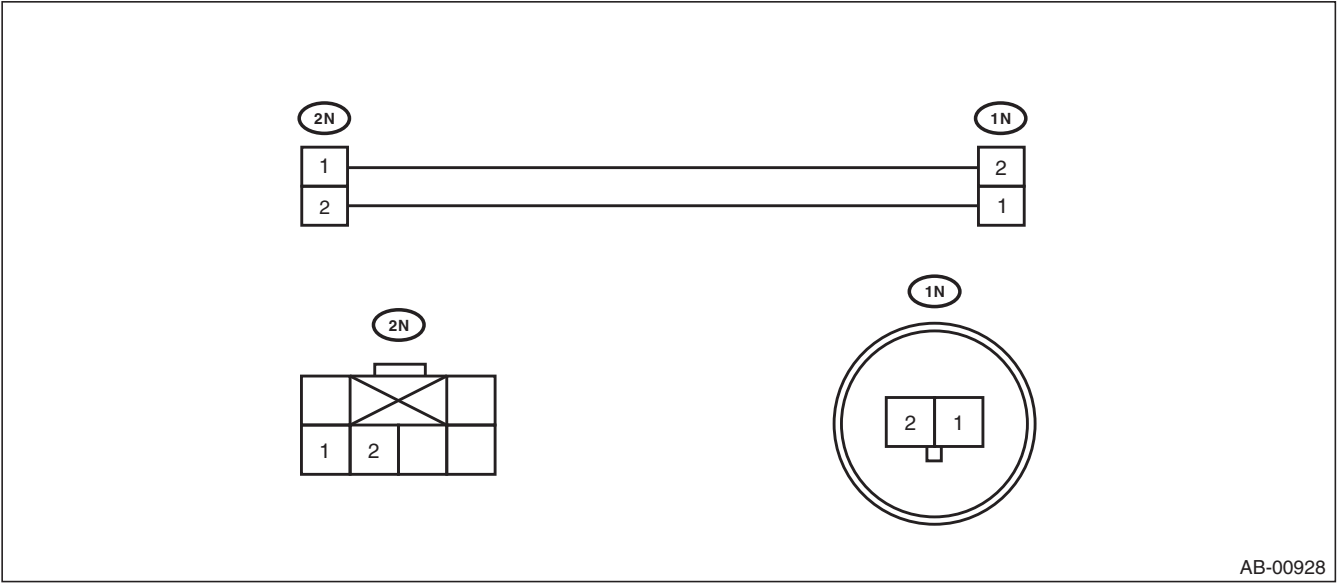
AIRBAG SYSTEM (DIAGNOSTICS)



AB-00720

• TEST HARNESS N

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

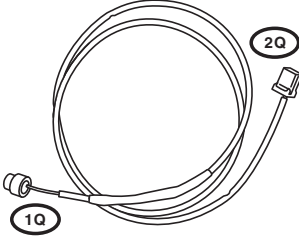


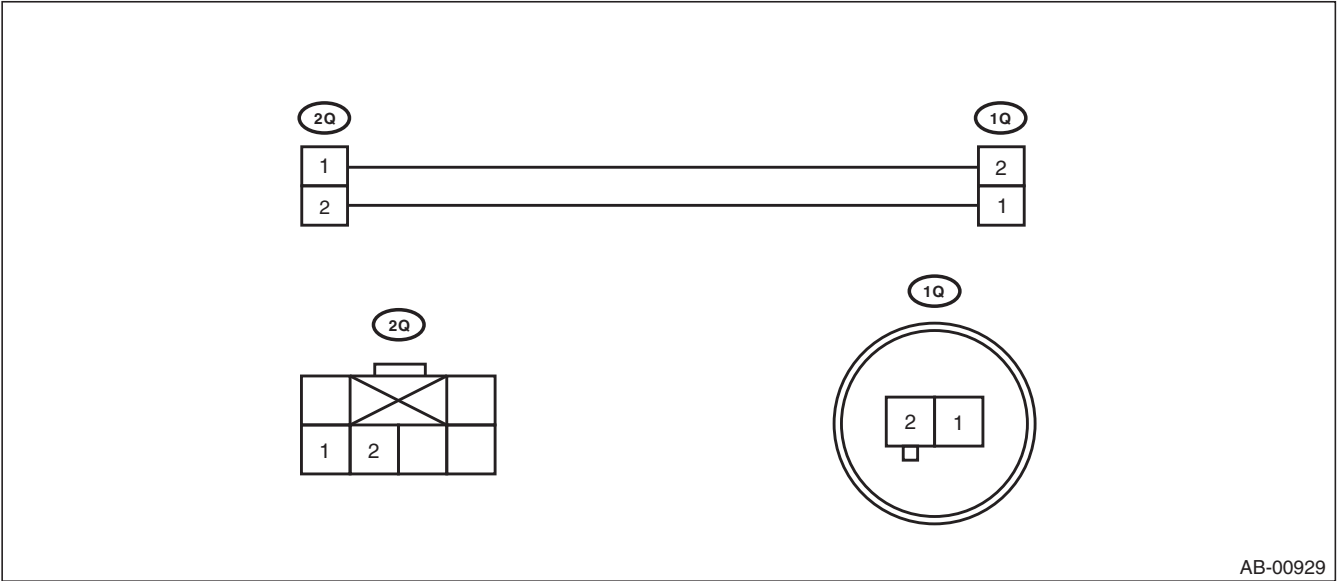
AB-00928

General Description

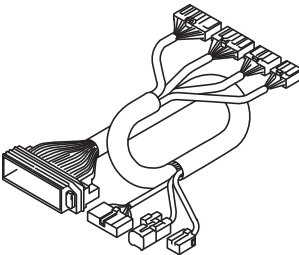
AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS Q

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

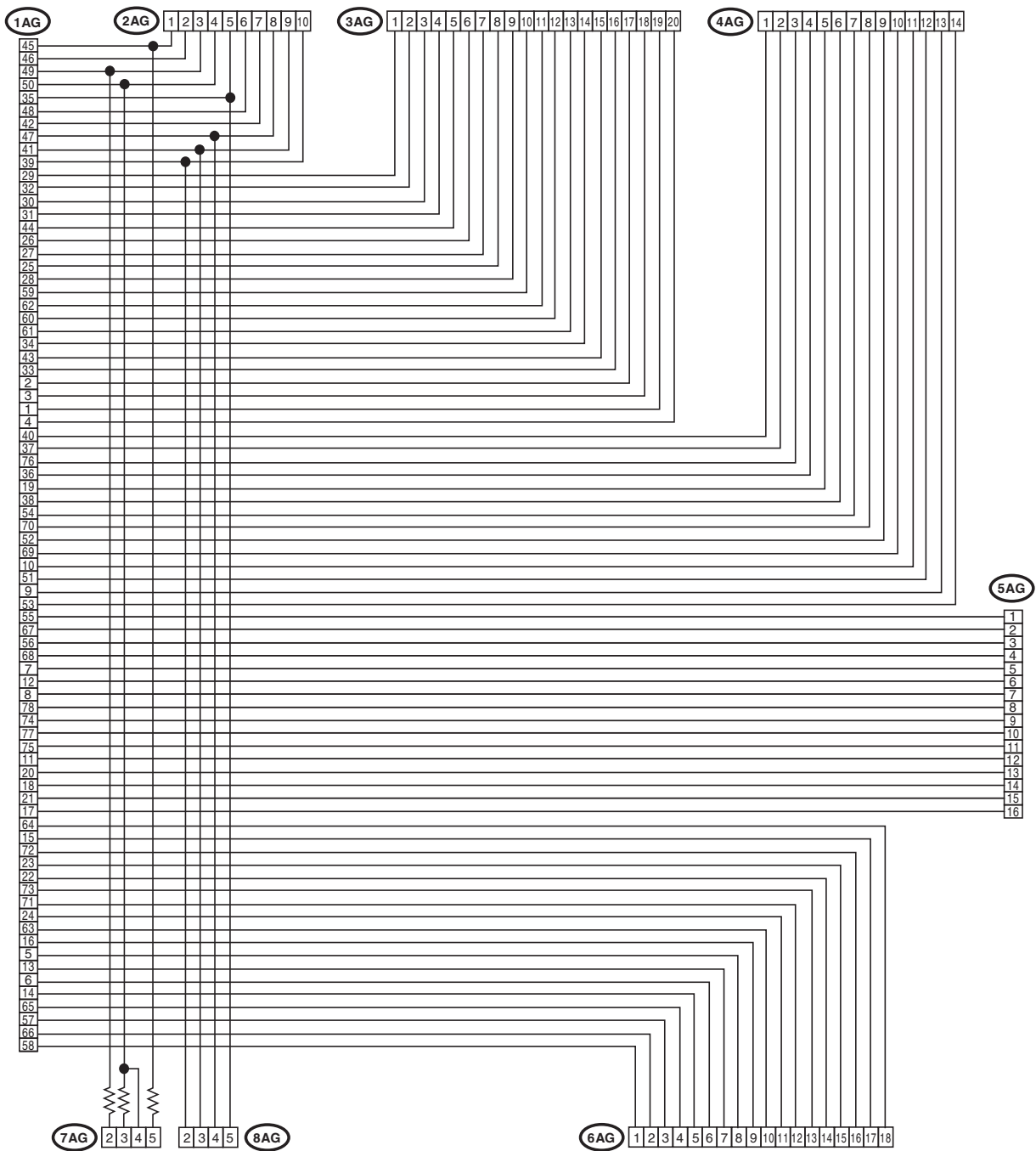


• TEST HARNESS AG

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299AG070	98299AG070	TEST HARNESS AG	Used when measuring voltage and resistance of airbag control module.

General Description

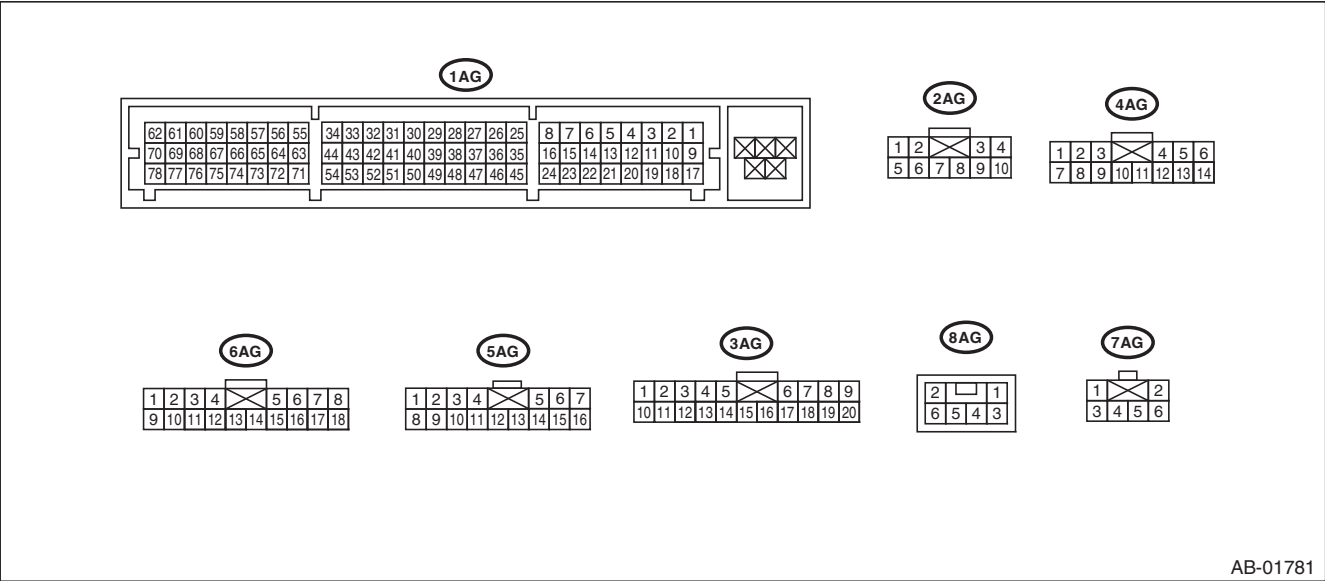
AIRBAG SYSTEM (DIAGNOSTICS)



AB-01902

General Description

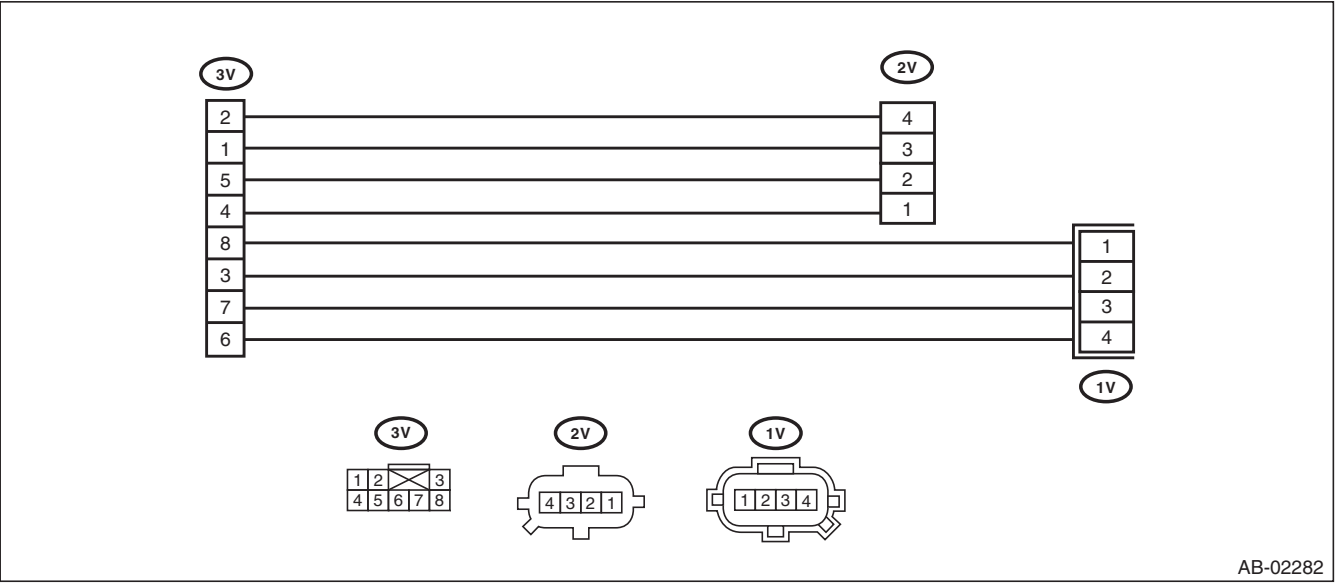
AIRBAG SYSTEM (DIAGNOSTICS)



AB-01781

• TEST HARNESS V

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

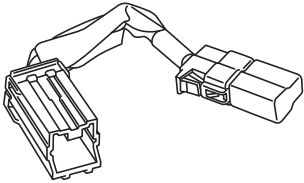


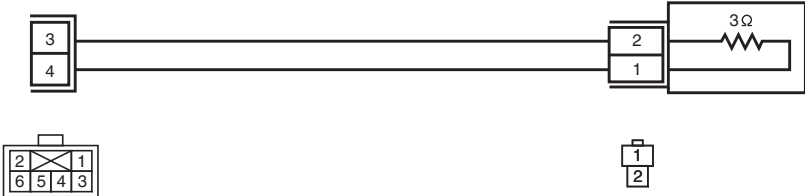
AB-02282

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

• AIRBAG RESISTOR

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299PA040	98299PA040	AIRBAG RESISTOR	Used in replacement of airbag module for which resistance value is same as airbag module. Two STs are required for diagnosis of two-stage inflator type airbag module.

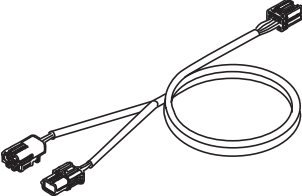


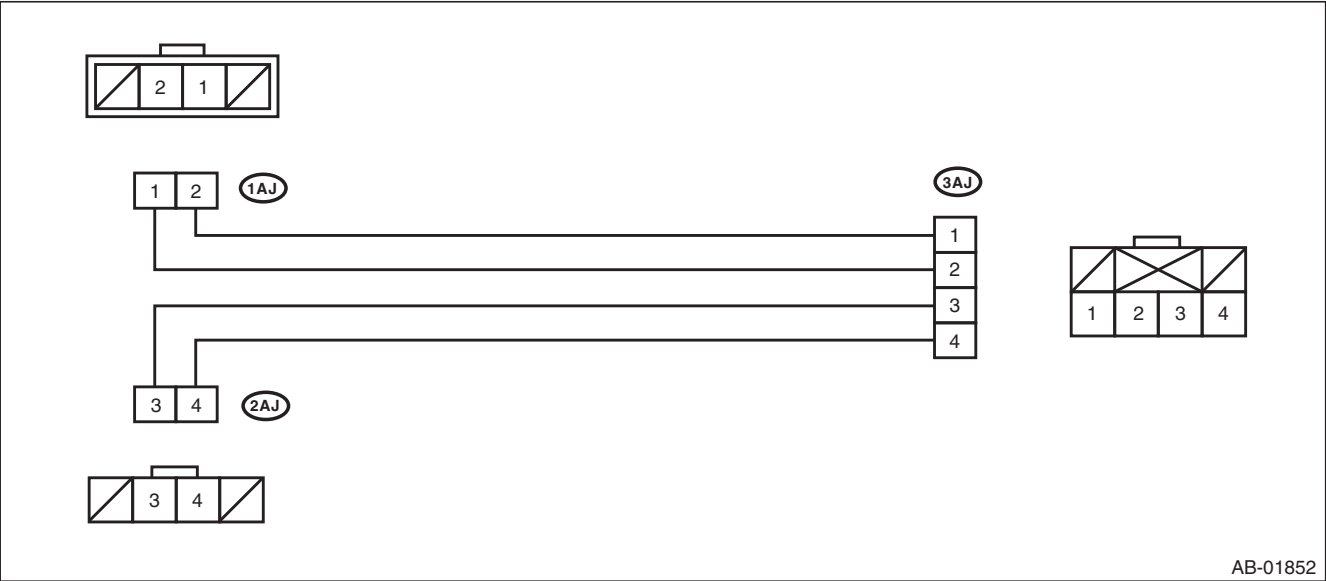
AB-00433

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS AJ

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299FG000	98299FG000	TEST HARNESS AJ	Used when measuring power supply and resistance of side airbag harness.

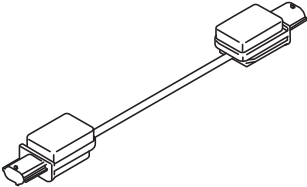


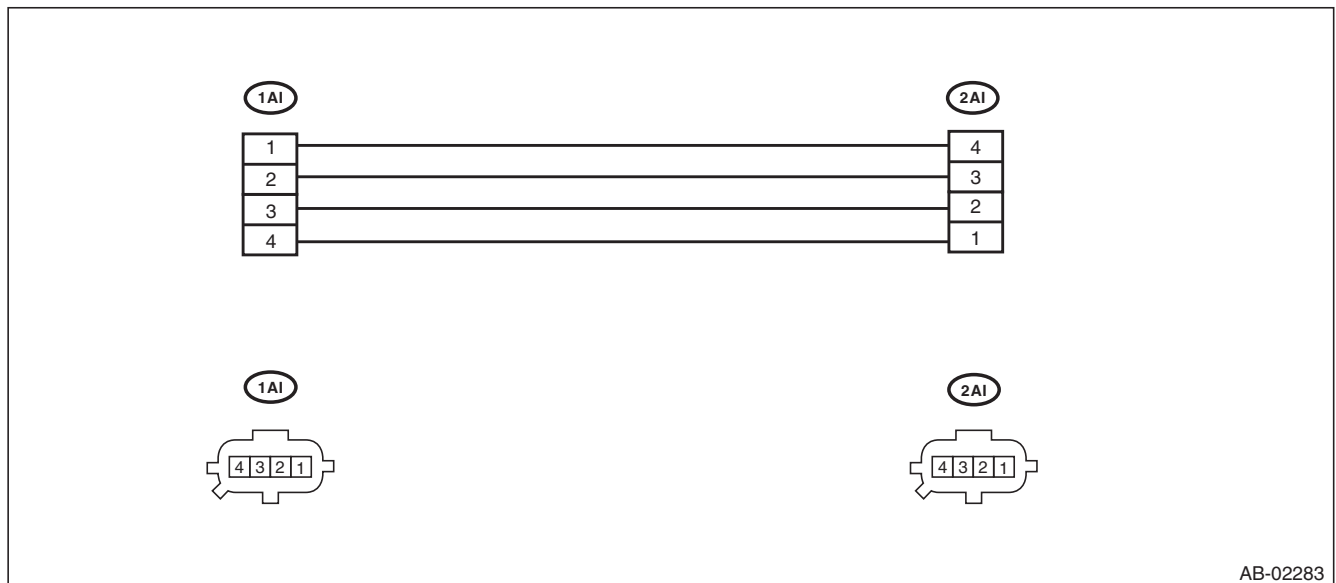
AB-01852

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

• TEST HARNESS AI

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 ST98299AG090	98299AG090	TEST HARNESS AI	- Used for diagnoses of side airbag sensor and curtain airbag sensor. - Used together with test harness V.



2. GENERAL TOOL

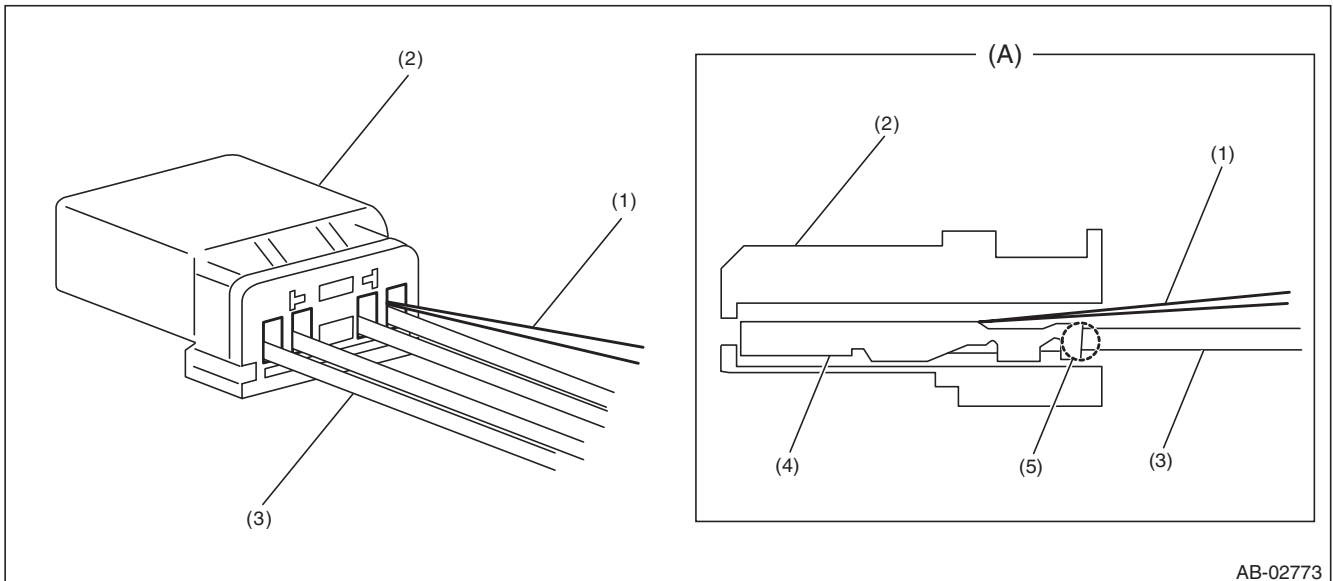
TOOL NAME	REMARKS
Circuit tester	Used for measuring resistance, voltage and current.
Oscilloscope	Used for measuring the sensor.
Probe	Used when measuring voltage and resistance of passenger's airbag module.

General Description

AIRBAG SYSTEM (DIAGNOSTICS)

3. HOW TO USE PROBE

Insert the probe into the harness hole, and contact it with the terminal.



AB-02773

(A) Cross section

(1) Probe

(3) Harness

(5) Connection

(2) Connector (housing)

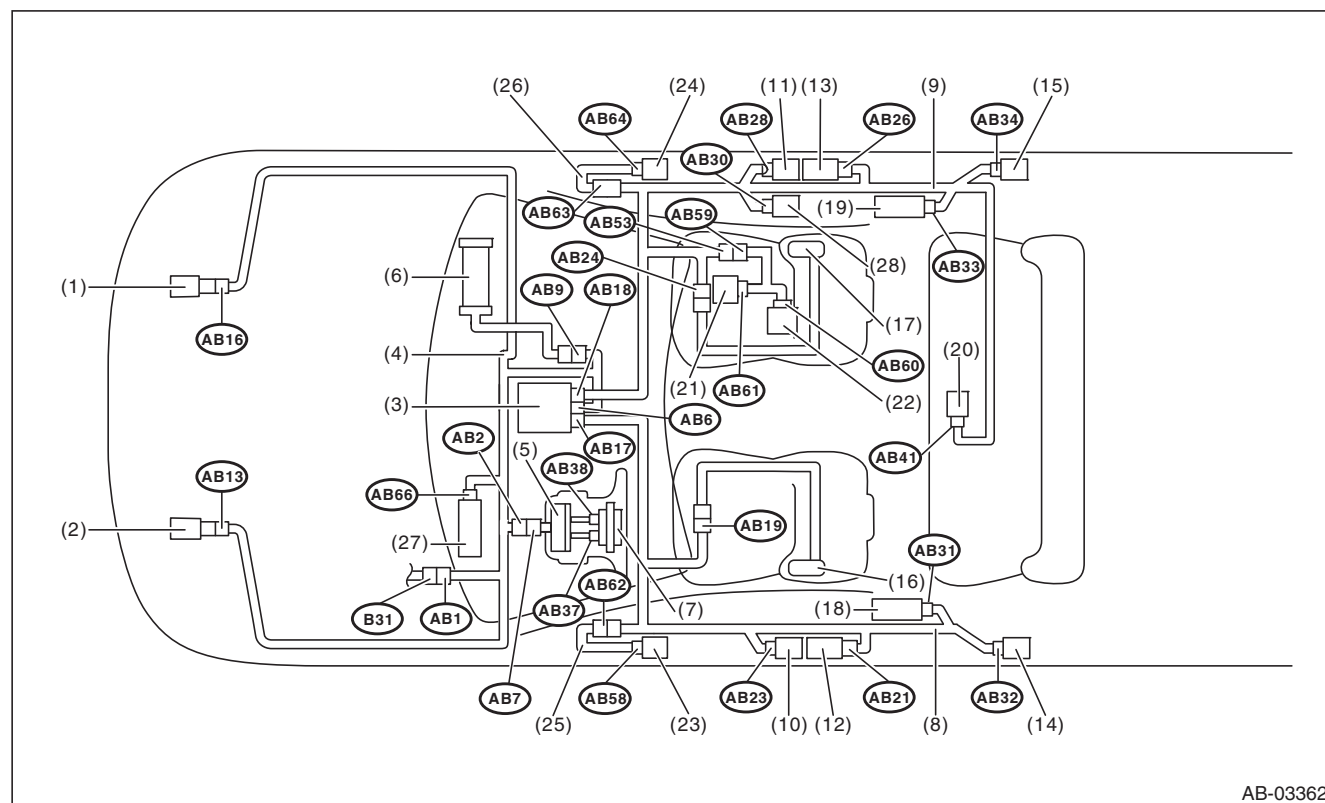
(4) Terminal

CAUTION:

- Do not insert the probe forcibly.
- Be careful not to contact it to the connection (5) between the terminal and harness. (Harness will come off easily from connector if doing so.)

4. Electrical Component Location

A: LOCATION



- | | | |
|---------------------------------|---------------------------------|--|
| (1) Front sub sensor RH | (11) Side airbag sensor RH | (20) Satellite safing sensor |
| (2) Front sub sensor LH | (12) Seat belt pretensioner LH | (21) Occupant detection control module |
| (3) Airbag control module | (13) Seat belt pretensioner RH | (22) Buckle switch RH |
| (4) Airbag main harness | (14) Curtain airbag sensor LH | (23) Front door impact sensor LH |
| (5) Roll connector | (15) Curtain airbag sensor RH | (24) Front door impact sensor RH |
| (6) Passenger's airbag inflator | (16) Side airbag inflator LH | (25) Door harness LH |
| (7) Driver's airbag inflator | (17) Side airbag inflator RH | (26) Door harness RH |
| (8) Airbag rear harness LH | (18) Curtain airbag inflator LH | (27) Knee airbag inflator |
| (9) Airbag rear harness RH | (19) Curtain airbag inflator RH | (28) Lap seat belt pretensioner RH |
| (10) Side airbag sensor LH | | |

Electrical Component Location

AIRBAG SYSTEM (DIAGNOSTICS)

Connector No.	(AB1)	(AB2)	(AB6)	(AB7)	(AB9)	(AB13)	(AB16)	(AB17)	(AB18)	(AB19)	(AB21)	(AB23)
Pin	2	4	30	4	4	2	2	24	24	4	2	4
Color	Gray	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Black	Yellow
Male/Female	Male	Female	Female	Male	Female	Female	Female	Female	Female	Female	Female	Female
Connector No.	(AB24)	(AB26)	(AB28)	(AB30)	(AB31)	(AB32)	(AB33)	(AB34)	(AB37)	(AB38)	(AB41)	(AB53)
Pin	4	2	4	2	2	4	2	4	2	2	2	3
Color	Yellow	Black	Yellow	Orange	Black	Yellow	Black	Yellow	Orange	Black	Yellow	Dark gray
Male/Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Male
Connector No.	(AB58)	(AB59)	(AB60)	(AB61)	(AB62)	(AB63)	(AB64)	(AB66)				
Pin	2	3	2	6	2	2	2	2				
Color	Yellow	Dark gray	Yellow	Black	Yellow	Yellow	Yellow	Black				
Male/Female	Female	Female	Male	Female	Female	Female	Female	Female				

5. Airbag Connector

A: PROCEDURE

For operation procedures, refer to “Airbag Connector” of Airbag System. <Ref. to AB-18, Airbag Connector.>

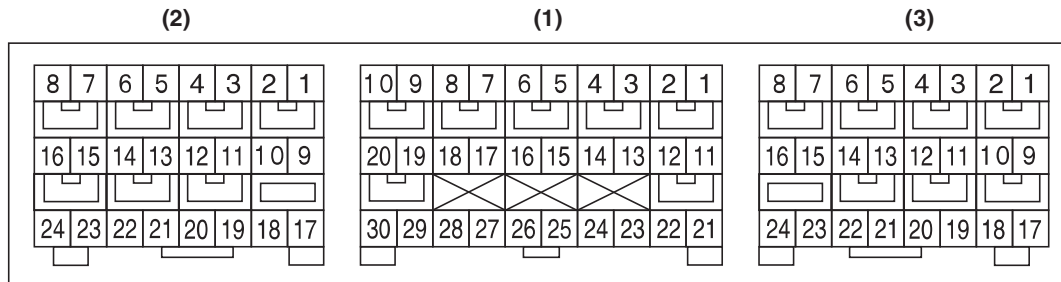


Airbag Control Module I/O Signal

AIRBAG SYSTEM (DIAGNOSTICS)

6. Airbag Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



AB-01873

- Terminal numbers in airbag control module connector are shown in the figure.
- The airbag warning light illuminates when the connector is removed from the airbag control module.

Item		Control module terminal No.
Ignition power supply	Dedicated fuse	(1) — 21
Passenger's airbag module level one	+	(1) — 4
	—	(1) — 3
Passenger's airbag module level two	+	(1) — 1
	—	(1) — 2
Driver's airbag module level one	+	(1) — 5
	—	(1) — 6
Driver's airbag module level two	+	(1) — 8
	—	(1) — 7
Driver's knee airbag module	+	(1) — 9
	—	(1) — 10
CAN-H		(1) — 13
CAN-L		(1) — 22
Front sub sensor LH	+	(1) — 30
	—	(1) — 28
Front sub sensor RH	+	(1) — 29
	—	(1) — 27
Ground line (GND)		(1) — 25
		(1) — 26
Passenger's airbag ON indicator		(1) — 23
Passenger's airbag OFF indicator		(1) — 17
Passenger's seat belt warning		(1) — 15
Side airbag sensor LH	+	(2) — 24
Curtain airbag sensor LH	—	(2) — 23
Front door impact sensor LH	—	(2) — 23
Seat belt pretensioner LH	+	(2) — 5
	—	(2) — 6

Airbag Control Module I/O Signal

AIRBAG SYSTEM (DIAGNOSTICS)

Item		Control module terminal No.
Side airbag module LH	+	(2) — 1
	—	(2) — 2
Curtain airbag module LH	+	(2) — 4
	—	(2) — 3
Occupant detection control module	+	(3) — 16
	—	(3) — 24
Side airbag sensor RH	+	(3) — 17
Curtain airbag sensor RH	—	(3) — 18
Front door impact sensor RH		
Side airbag module RH	+	(3) — 8
	—	(3) — 7
Curtain airbag module RH	+	(3) — 5
	—	(3) — 6
Seat belt pretensioner RH	+	(3) — 4
	—	(3) — 3
Lap seat belt pretensioner RH	+	(3) — 1
	—	(3) — 2
Satellite safing sensor	+	(3) — 21
	—	(3) — 22

B: WIRING DIAGRAM

Refer to the WI section wiring diagram. <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>

Subaru Select Monitor

AIRBAG SYSTEM (DIAGNOSTICS)

7. Subaru Select Monitor

A: OPERATION

For operation procedures, refer to the "PC application help for Subaru Select Monitor".

B: INSPECTION

1. COMMUNICATION FOR INITIALIZING IMPOSSIBLE

DTC DETECTING CONDITION:

Defective harness connector

TROUBLE SYMPTOM:

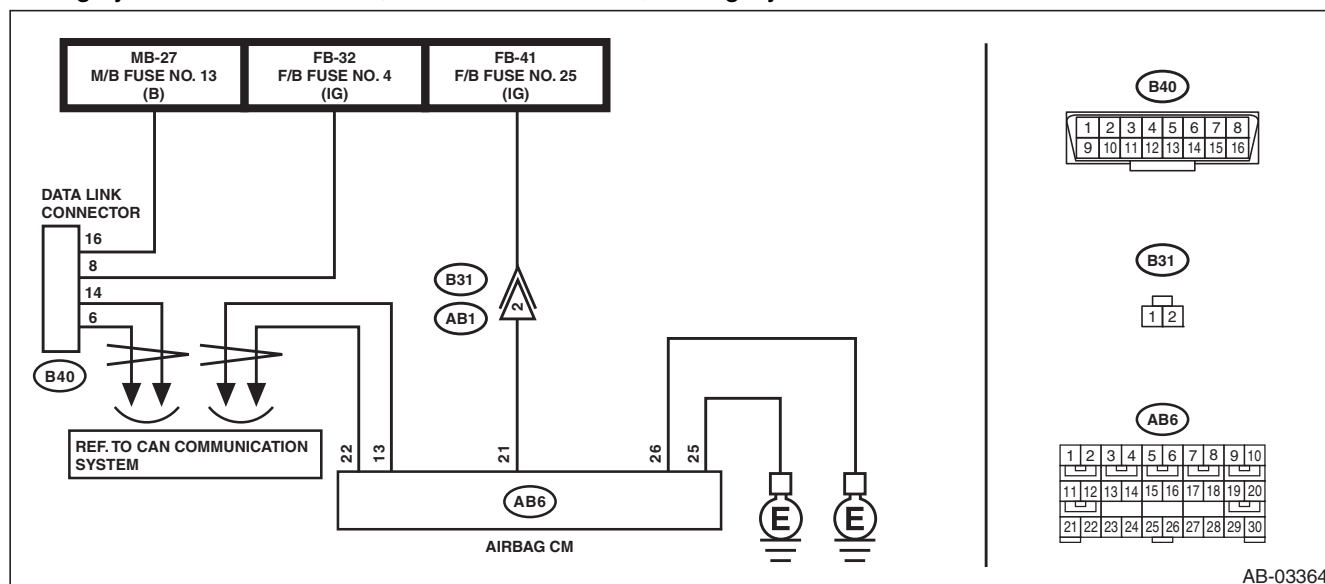
Communication is impossible between the airbag control module and the Subaru Select Monitor.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK IGNITION SWITCH.		
1	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.		
2	Is the voltage 11 V or more?	Go to step 3.	Charge or replace the battery.
3	CHECK BATTERY TERMINAL.		
3	Is there poor contact at 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 executed normally.		
4	Is the system name displayed on Subaru Select Monitor?	Go to step 9.	Go to step 5.
5	CHECK SUBARU SELECT MONITOR.		
5	Is Subaru Select Monitor powered on?	Go to step 7.	Go to step 6.

Subaru Select Monitor

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
6 CHECK FUSE. Remove a fuse in the data link connector and visually check the fuse.	Is the fuse OK?	Repair the harness between the battery and the data link connector.	Replace the fuse. If the fuse is blown out again, check the power supply circuit.
7 CHECK AIRBAG CONTROL MODULE CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Confirm that the connectors of airbag control module (AB6, AB17, AB18) are securely connected.	Is the connector of the airbag control module securely connected?	Go to step 8.	Connect the connector of the airbag control module.
8 CHECK SUBARU SELECT MONITOR COMMUNICATION. 1) Disconnect the airbag control module connector. 2) Connect the battery ground terminal. 3) Turn the ignition switch to ON. 4) Check whether communication to other systems can be executed normally.	Is the system name displayed on Subaru Select Monitor?	Replace the airbag control module. <Ref. to AB-75, Airbag Control Module.>	Go to step 9.
9 CHECK FUSE. Remove fuse No. 25 from the fuse & relay box, and perform visual inspection.	Is the fuse OK?	Go to step 10.	Replace the fuse. If the fuse is blown out again, check the power supply circuit.
10 CHECK AIRBAG CONTROL MODULE CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Confirm that the connectors of airbag control module (AB6, AB17, AB18) are securely connected.	Is the connector of the airbag control module securely connected?	Go to step 11.	Connect the connector of the airbag control module.
11 CHECK CAN COMMUNICATION. Inspect LAN system. <Ref. to LAN(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Is there any fault?	Repair it according to the diagnosis for LAN system.	Go to step 12.
12 CHECK POWER SUPPLY CIRCUIT. 1) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 2) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 3) Turn the ignition switch to ON. 4) Measure the voltage between connector (2AG) in the test harness AG and chassis ground. Connector & terminal (2AG) No. 1 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Go to step 13.	Repair the harness between the airbag control module and the battery. Or replace the airbag main harness along with the bulkhead harness.
13 CHECK BETWEEN AIRBAG CONTROL MODULE AND CHASSIS GROUND. 1) Turn the ignition switch to OFF. 2) Measure the resistance between connector (2AG) in the test harness AG and chassis ground. Connector & terminal (2AG) No. 4 — Chassis ground: (2AG) No. 3 — Chassis ground:	Is the resistance less than 10 Ω?	Go to step 14.	Repair the harness between the airbag control module and the chassis ground. Or replace the airbag main harness along with the bulkhead harness.



Subaru Select Monitor

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
14 CHECK POOR CONTACT OF CONNECTOR.	Is there poor contact of the control module power supply, ground circuit and data link connector?	Repair the connector. (Replace the harness without repairing the airbag system connector.)	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

Read Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

8. Read Diagnostic Trouble Code (DTC)

A: OPERATION

For operation procedures, refer to the "PC application help for Subaru Select Monitor".

NOTE:

For details concerning DTCs, refer to List of Diagnostic Trouble Codes (DTC). <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>

Inspection Mode

AIRBAG SYSTEM (DIAGNOSTICS)

9. Inspection Mode

A: PROCEDURE

Recreate the circumstance by referring to the conditions described in the checklist.

10. Clear Memory Mode

A: OPERATION

For operation procedures, refer to the "PC application help for Subaru Select Monitor".

NOTE:

Clear the DTC stored in the airbag control module after repairing the airbag system.

Display of Status Information

AIRBAG SYSTEM (DIAGNOSTICS)

11. Display of Status Information

A: OPERATION

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

- 1) On «Main Menu» display, select {Each System Check}.
- 2) On «System Selection Menu» display, select {Airbag System}.
- 3) On «Airbag System» display, select {Current Data Display & Save}.

The following table is for support data.

Item	Display	Note
Trip Count	—	—
Count	—	—
Time Count	—	—
Belt Buckle Switch RH	Unbelted/Belted	“Belted” when passenger’s seat belt is fastened “Unbelted” when passenger’s seat belt is not fastened
Passenger Occupant Status	Occupied/Empty or CRS	“Occupied” when the occupant is present “Empty or CRS” when the seat is unoccupied or when child restraint seat is installed
Passenger Airbag Status	ON/OFF	“ON” when the passenger occupant status is “Occupied” “OFF” when the status is “Empty or CRS”

NOTE:

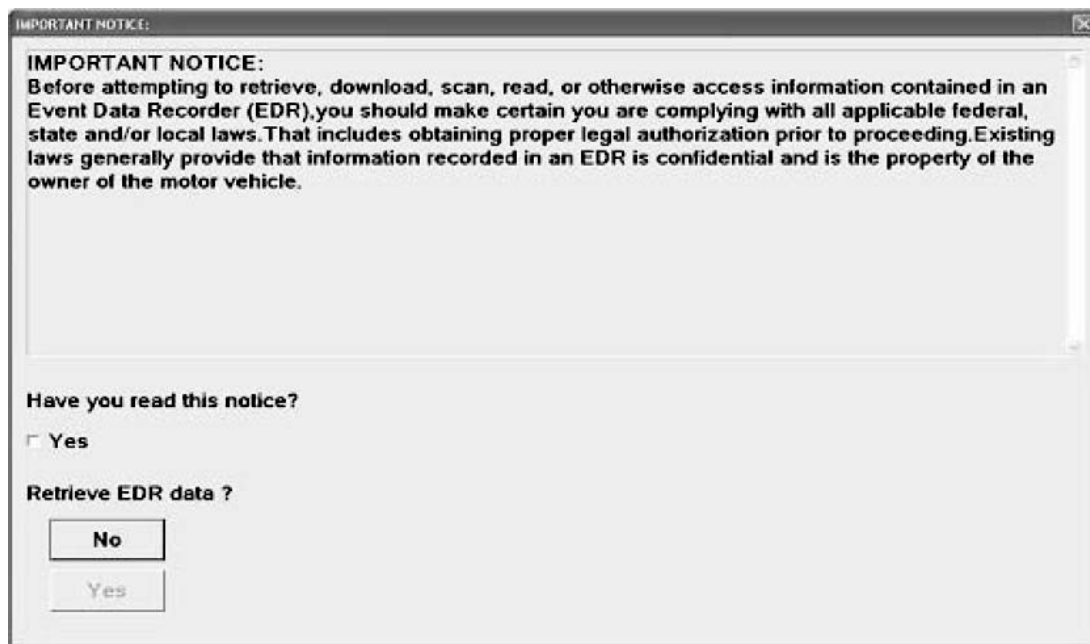
For detailed operation procedures, refer to “PC application help for Subaru Select Monitor”.



12.Event Record Data

A: OPERATION

- 1) On «Main Menu» display, select {Each System Check}.
- 2) On «System Selection Menu» display, select {Airbag System}.
- 3) On «Airbag System» display, select {Event Record Data}. After it is selected, {IMPORTANT NOTICE} screen is displayed.
- 4) Once you have read the contents of the «IMPORTANT NOTICE», click the Yes checkbox.
- 5) If doing so will not violate any laws, click the {Yes} button to retrieve the EDR data.



AB-02847

- 6) Select the items to be checked from each event record data.
- 7) Select the record data to be checked from each record data.
- 8) The selected record data is displayed. If there is no data recorded, «No Event Record Data Recorded» is displayed.
- 9) Select [Exit] to return to each event record data screen.

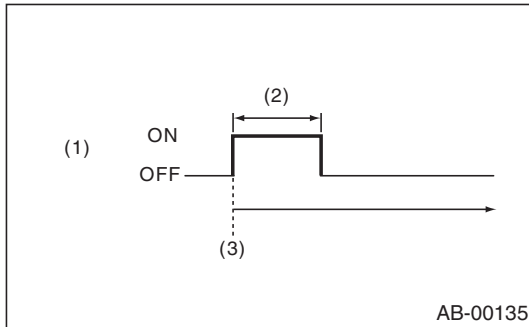
Airbag Warning Light Illumination Pattern

AIRBAG SYSTEM (DIAGNOSTICS)

13. 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 then turns off afterwards.



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



Airbag Warning Light Failure

AIRBAG SYSTEM (DIAGNOSTICS)

14. Airbag Warning Light Failure

A: AIRBAG WARNING LIGHT REMAINS ON

DETECTING CONDITION:

- Airbag warning light is faulty.
- Airbag control module to combination meter circuit is shorted or open.
- Grounding circuit is faulty.
- Airbag control module is faulty.
- Connector connection is improper.
- Connections of (AB6, AB17, AB18) to airbag control module are improper.

CAUTION:

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

Step	Check	Yes	No
1	CHECK CAN COMMUNICATION. Inspect LAN system. <Ref. to LAN(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Is there any fault? Repair it according to diagnosis of LAN system.	Go to step 2.
2	CHECK DTC. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Check the connection status of airbag CM connector.	Is there poor contact of connector? Reconnect the connector. Or repair the connector.	Go to step 3.
3	CHECK FOR POOR CONTACT. Check the combination meter. <Ref. to IDI(diag)-2, PROCEDURE, Basic Diagnostic Procedure.>	Is there any fault? Repair it according to INSTRUMENTATION/DRIVER INFO (DIAGNOSTICS).	Replace the airbag CM. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

B: AIRBAG WARNING LIGHT REMAINS OFF

NOTE:

For the diagnostic procedure, refer to “AIRBAG WARNING LIGHT REMAINS ON”. <Ref. to AB(diag)-27, AIRBAG WARNING LIGHT REMAINS ON, Airbag Warning Light Failure.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

15. List of Diagnostic Trouble Code (DTC)

A: LIST

DTC	Item	Content of diagnosis	Reference
U0073	Control Module Communication Bus "A" Off	CAN communication error occurred.	<Ref. to AB(diag)-38, DTC U0073 CONTROL MODULE COMMUNICATION BUS "A" OFF, Diagnostic Chart with Trouble Code.>
B1000	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1003	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1003 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1105	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1105 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1106	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1106 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1115	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1115 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1116	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1116 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1120	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-38, DTC B1120 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1121	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1121 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1125	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1125 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1126	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1126 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1135	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1135 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1136	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1136 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1145	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1145 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1146	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1146 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1170	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1170 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1185	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1185 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1195	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1195 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1196	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-39, DTC B1196 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1199	Airbag ECU Malfunction	Airbag control module is faulty.	<Ref. to AB(diag)-40, DTC B1199 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>
B11E0	Rollover Ignition	Curtain airbag module (LH/RH) and seat belt pretensioner (LH/RH) are deployed.	<Ref. to AB(diag)-40, DTC B11E0 ROLLOVER IGNITION, Diagnostic Chart with Trouble Code.>
B11F2	Front Impact Ignition	Front airbag module and seat belt pretensioner (LH/RH) are inflated.	<Ref. to AB(diag)-40, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F3	Front Impact Ignition	Front airbag module and seat belt pretensioner (LH/RH) are inflated.	<Ref. to AB(diag)-40, DTC B11F3 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F4	Front Impact Ignition	Front airbag module and seat belt pretensioner (LH/RH) are inflated.	<Ref. to AB(diag)-40, DTC B11F4 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F5	Front Impact Ignition	Front airbag module and seat belt pretensioner (LH/RH) are inflated.	<Ref. to AB(diag)-40, DTC B11F5 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F7	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F8	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-41, DTC B11F8 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11F9	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-41, DTC B11F9 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11FA	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-41, DTC B11FA SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11FB	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-41, DTC B11FB SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B11FC	Side Impact Ignition	- Side airbag module and curtain airbag module are deployed. - Curtain airbag module is deployed.	<Ref. to AB(diag)-41, DTC B11FC SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>
B1610	Front Sub Sensor RH Failure	Front sub sensor RH is faulty	<Ref. to AB(diag)-41, DTC B1610 FRONT SUB SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
B1612	Front Sub Sensor RH Lost Communication	- Open or short circuit in harness RH between airbag control module and front sub sensor. - Front sub sensor RH is faulty.	<Ref. to AB(diag)-41, DTC B1612 FRONT SUB SENSOR RH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1613	Front Sub Sensor RH Initialization Error	Airbag control module is faulty.	<Ref. to AB(diag)-42, DTC B1613 FRONT SUB SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B1615	Front Sub Sensor LH Failure	Front sub sensor LH is faulty.	<Ref. to AB(diag)-44, DTC B1615 FRONT SUB SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1617	Front Sub Sensor LH Lost Communication	- Open or short circuit in harness LH between airbag control module and front sub sensor. - Front sub sensor LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-44, DTC B1617 FRONT SUB SENSOR LH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1618	Front Sub Sensor LH Initialization Error		<Ref. to AB(diag)-45, DTC B1618 FRONT SUB SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B16F2	Front Sub Sensor RH Recognition Error	- Front sensor RH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-47, DTC B16F2 FRONT SUB SENSOR RH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B16F3	Front Sub Sensor LH Recognition Error	- Front sensor LH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-47, DTC B16F3 FRONT SUB SENSOR LH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B1620	Side Airbag Sensor RH Failure	Side airbag sensor RH is faulty.	<Ref. to AB(diag)-47, DTC B1620 SIDE AIRBAG SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
B1622	Side Airbag Sensor RH Lost Communication	- Open or short circuit in harness RH between airbag control module and side airbag sensor. - Side airbag sensor RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-47, DTC B1622 SIDE AIRBAG SENSOR RH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1623	Side Airbag Sensor RH Initialization Error		<Ref. to AB(diag)-48, DTC B1623 SIDE AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B1625	Side Airbag Sensor LH Failure	Side airbag sensor LH is faulty.	<Ref. to AB(diag)-50, DTC B1625 SIDE AIRBAG SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
B1627	Side Airbag Sensor LH Lost Communication	- Open or short circuit in harness LH between airbag control module and side airbag sensor. - Side airbag sensor LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-50, DTC B1627 SIDE AIRBAG SENSOR LH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1628	Side Airbag Sensor LH Initialization Error		<Ref. to AB(diag)-51, DTC B1628 SIDE AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B1630	Curtain Airbag Sensor RH Failure	Curtain airbag sensor RH is faulty.	<Ref. to AB(diag)-53, DTC B1630 CURTAIN AIRBAG SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
B1632	Curtain Airbag Sensor RH Lost Communication	- Open or short circuit in harness RH between airbag control module and curtain airbag sensor. - Side airbag sensor RH is faulty. - Curtain airbag sensor RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-53, DTC B1632 CURTAIN AIRBAG SENSOR RH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1633	Curtain Airbag Sensor RH Initialization Error		<Ref. to AB(diag)-54, DTC B1633 CURTAIN AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B1635	Curtain Airbag Sensor LH Failure	Curtain airbag sensor LH is faulty.	<Ref. to AB(diag)-56, DTC B1635 CURTAIN AIRBAG SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1637	Curtain Airbag Sensor LH Lost Communication	- Open or short circuit in harness LH between airbag control module and curtain airbag sensor. - Side airbag sensor LH is faulty.	<Ref. to AB(diag)-56, DTC B1637 CURTAIN AIRBAG SENSOR LH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1638	Curtain Airbag Sensor LH Initialization Error	- Curtain airbag sensor LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-57, DTC B1638 CURTAIN AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>
B16F4	Side Airbag Sensor RH Recognition Error	- Side airbag sensor RH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-60, DTC B16F4 SIDE AIRBAG SENSOR RH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B16F5	Side Airbag Sensor LH Recognition Error	- Side airbag sensor LH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-60, DTC B16F5 SIDE AIRBAG SENSOR LH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B16F6	Curtain Airbag Sensor RH Recognition Error	- Curtain airbag sensor RH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-61, DTC B16F6 CURTAIN AIRBAG SENSOR RH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B16F7	Curtain Airbag Sensor LH Recognition Error	- Curtain airbag sensor LH is misinstalled. - Airbag control module is faulty.	<Ref. to AB(diag)-61, DTC B16F7 CURTAIN AIRBAG SENSOR LH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B1642	Side Satellite Sensor Bus RH Lost Communication	- Open or short circuit in harness RH between airbag control module and front door impact sensor. - Side airbag sensor RH is faulty. - Curtain airbag sensor RH is faulty. - Front door impact sensor RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-62, DTC B1642 SIDE SATELLITE SENSOR BUS RH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1647	Side Satellite Sensor Bus LH Lost Communication	- Open or short circuit in harness LH between airbag control module and front door impact sensor. - Side airbag sensor LH is faulty. - Curtain airbag sensor LH is faulty. - Front door impact sensor LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-66, DTC B1647 SIDE SATELLITE SENSOR BUS LH LOST COMMUNICATION, Diagnostic Chart with Trouble Code.>
B1650	Occupant Classification System Malfunction	- Occupant detection sensor is faulty. - Occupant detection control module is faulty. - Occupant detection harness is faulty. - Rear airbag harness RH is faulty. - Fuse No. 25 is blown.	<Ref. to AB(diag)-69, DTC B1650 OCCUPANT CLASSIFICATION SYSTEM MALFUNCTION, Diagnostic Chart with Trouble Code.>
B1655	Front Buckle Switch RH Failure	- Buckle switch RH circuit is open, shorted or shorted to ground. - Occupant detection system is faulty. - Occupant detection harness is faulty.	<Ref. to AB(diag)-69, DTC B1655 FRONT BUCKLE SWITCH RH FAILURE, Diagnostic Chart with Trouble Code.>
B1660	Passenger's Airbag On Indicator Failure	- 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)-70, DTC B1660 PASSENGER'S AIRBAG ON INDICATOR FAILURE, Diagnostic Chart with Trouble Code.>
B1675	Satellite Safing Sensor Failure	Satellite safing sensor is faulty.	<Ref. to AB(diag)-72, DTC B1675 SATELLITE SAFING SENSOR FAILURE, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1676	Lost Communication With Satellite Safing Sensor	• Open or short circuit in harness between airbag control module and satellite safing sensor. • Satellite safing sensor is faulty. • Airbag control module is faulty.	<Ref. to AB(diag)-72, DTC B1676 LOST COMMUNICATION WITH SATELLITE SAFING SENSOR, Diagnostic Chart with Trouble Code.>
B1677	Satellite Safing Sensor Initialization Incomplete		<Ref. to AB(diag)-73, DTC B1677 SATELLITE SAFING SENSOR INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>
B16F8	Satellite Safing Sensor Recognition Error	• Satellite safing sensor is misinstalled. • Airbag control module is faulty.	<Ref. to AB(diag)-75, DTC B16F8 SATELLITE SAFING SENSOR RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B16F9	Door Sensor RH Recognition Error	• Front door impact sensor RH is misinstalled. • Airbag control module is faulty.	<Ref. to AB(diag)-75, DTC B16F9 DOOR SENSOR RH RECOGNITION ERROR, Diagnostic Chart with Trouble Code.>
B1690	Door Sensor RH Failure	Front door impact sensor RH is faulty.	<Ref. to AB(diag)-75, DTC B1690 DOOR SENSOR RH FAILURE, Diagnostic Chart with Trouble Code.>
B1692	Lost Communication With Door Sensor RH	• Open or short circuit in harness between curtain airbag sensor and front door impact sensor. • Front door impact sensor RH is faulty. • Curtain airbag sensor RH is faulty. • Airbag control module is faulty.	<Ref. to AB(diag)-75, DTC B1692 LOST COMMUNICATION WITH DOOR SENSOR RH, Diagnostic Chart with Trouble Code.>
B1693	Door Sensor RH Initialization Incomplete		<Ref. to AB(diag)-76, DTC B1693 DOOR SENSOR RH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>
B16FA	Lost Communication With Door Sensor LH	• Front door impact sensor LH is misinstalled. • Airbag control module is faulty.	<Ref. to AB(diag)-79, DTC B16FA LOST COMMUNICATION WITH DOOR SENSOR LH, Diagnostic Chart with Trouble Code.>
B1695	Door Sensor LH Failure	Front door impact sensor LH is faulty.	<Ref. to AB(diag)-79, DTC B1695 DOOR SENSOR LH FAILURE, Diagnostic Chart with Trouble Code.>
B1697	Lost Communication With Door Sensor LH	• Open or short circuit in harness between curtain airbag sensor and front door impact sensor. • Front door impact sensor LH is faulty. • Curtain airbag sensor LH is faulty. • Airbag control module is faulty.	<Ref. to AB(diag)-79, DTC B1697 LOST COMMUNICATION WITH DOOR SENSOR LH, Diagnostic Chart with Trouble Code.>
B1698	Door Sensor LH Initialization Incomplete		<Ref. to AB(diag)-80, DTC B1698 DOOR SENSOR LH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>
B161A	Lost Communication With Front Satellite Sensor Bus	• Open or short circuit in harness between airbag control module and front sub sensor. • Front sub sensor is faulty. • Airbag control module is faulty.	<Ref. to AB(diag)-83, DTC B161A LOST COMMUNICATION WITH FRONT SATELLITE SENSOR BUS, Diagnostic Chart with Trouble Code.>
B16F1	Passenger's Seat Belt Warning Failure	• Airbag control module is faulty. • Body integrated unit is faulty. • Harness circuits between body integrated unit and airbag control module are open, shorted or shorted to ground.	<Ref. to AB(diag)-86, DTC B16F1 PASSENGER'S SEAT BELT WARNING FAILURE, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B16F0	Passenger's Airbag Off Indicator Failure	- Airbag warning light is faulty. - Open or short circuit in harness between airbag control module and airbag warning light. - Poor contact of airbag main harness and instrument panel harness. - Ground circuit is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-87, DTC B16F0 PASSENGER'S AIRBAG OFF INDICATOR FAILURE, Diagnostic Chart with Trouble Code.>
B1760	Sensor Mat Abnormal	- Occupant detection sensor is open, shorted between terminals, shorted to power supply or shorted to ground. - Seat heater is open. - Occupant detection control module is faulty.	<Ref. to AB(diag)-87, DTC B1760 SENSOR MAT ABNORMAL, Diagnostic Chart with Trouble Code.>
B1771	Buckle Switch Abnormal	- Passenger's buckle switch circuit is open, shorted or shorted to ground. - Occupant detection system is faulty. - Occupant detection harness is faulty.	<Ref. to AB(diag)-87, DTC B1771 BUCKLE SWITCH ABNORMAL, Diagnostic Chart with Trouble Code.>
B1795	ECU Internal Circuit Fault	Occupant detection control module is faulty.	<Ref. to AB(diag)-87, DTC B1795 ECU INTERNAL CIRCUIT FAULT, Diagnostic Chart with Trouble Code.>
B1800	Short in Driver's Airbag	- Airbag main harness circuit is shorted. - Airbag module harness (driver's side) circuit is shorted. - Roll connector circuit is shorted. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-88, DTC B1800 SHORT IN DRIVER'S AIRBAG, Diagnostic Chart with Trouble Code.>
B1801	Open in Driver's Airbag	- Airbag main harness circuit is open. - Airbag module harness circuit (driver's side) is open. - Roll connector circuit is open. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-90, DTC B1801 OPEN IN DRIVER'S AIRBAG, Diagnostic Chart with Trouble Code.>
B1802	Short in Driver's Airbag (To Ground)	- Airbag main harness circuit is shorted to ground. - Airbag module harness (driver's side) circuit is shorted to ground. - Roll connector circuit is shorted to ground. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-92, DTC B1802 SHORT IN DRIVER'S AIRBAG (TO GROUND), Diagnostic Chart with Trouble Code.>
B1803	Short in Driver's Airbag (To +B)	- Airbag main harness circuit is shorted to power supply. - Airbag module harness circuit (driver's side) is shorted to power supply. - Roll connector circuit is shorted to power supply. - Airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-94, DTC B1803 SHORT IN DRIVER'S AIRBAG (TO +B), Diagnostic Chart with Trouble Code.>
B1805	Short in Passenger's Airbag	- Airbag main harness circuit is shorted. - Airbag module harness circuit (passenger's side) is shorted. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-96, DTC B1805 SHORT IN PASSENGER'S AIRBAG, Diagnostic Chart with Trouble Code.>
B1806	Open in Passenger's Airbag	- Airbag main harness circuit is open. - Airbag module harness circuit (passenger's side) is open. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-98, DTC B1806 OPEN IN PASSENGER'S AIRBAG, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1807	Short in Passenger's Airbag (To Ground)	- Airbag main harness circuit is shorted to ground. - Airbag module harness (passenger's side) circuit is shorted to ground. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-101, DTC B1807 SHORT IN PASSENGER'S AIRBAG (TO GROUND), Diagnostic Chart with Trouble Code.>
B1808	Short in Passenger's Airbag (To +B)	- Airbag main harness circuit is shorted to power supply. - Airbag module harness (passenger's side) circuit is shorted to power supply. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-104, DTC B1808 SHORT IN PASSENGER'S AIRBAG (TO +B), Diagnostic Chart with Trouble Code.>
B1810	Short in Driver's Airbag Dual Stage - 2nd Step	- Airbag main harness circuit is shorted. - Airbag module harness (driver's side) circuit is shorted. - Roll connector circuit is shorted. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-107, DTC B1810 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP, Diagnostic Chart with Trouble Code.>
B1811	Open in Driver's Airbag Dual Stage - 2nd Step	- Airbag main harness circuit is open. - Airbag module harness circuit (driver's side) is open. - Roll connector circuit is open. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-109, DTC B1811 OPEN IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP, Diagnostic Chart with Trouble Code.>
B1812	Short in Driver's Airbag Dual Stage - 2nd Step (To Ground)	- Airbag main harness circuit is shorted to ground. - Airbag module harness (driver's side) circuit is shorted to ground. - Roll connector circuit is shorted to ground. - Driver's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-111, DTC B1812 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP (TO GROUND), Diagnostic Chart with Trouble Code.>
B1813	Short in Driver's Airbag Dual Stage - 2nd Step Circuit (To +B)	- Airbag main harness circuit is shorted to power supply. - Airbag module harness circuit (driver's side) is shorted to power supply. - Roll connector circuit is shorted to power supply. - Airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-113, DTC B1813 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP CIRCUIT (TO +B), Diagnostic Chart with Trouble Code.>
B1815	Open in Passenger's Airbag Dual Stage - 2nd Step	- Airbag main harness circuit is shorted. - Airbag module harness circuit (passenger's side) is shorted. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-115, DTC B1815 OPEN IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP, Diagnostic Chart with Trouble Code.>
B1816	Open in Passenger's Airbag Dual Stage - 2nd Step	- Airbag main harness circuit is open. - Airbag module harness circuit (passenger's side) is open. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-117, DTC B1816 OPEN IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP, Diagnostic Chart with Trouble Code.>
B1817	Short in Passenger's Airbag Dual Stage - 2nd Step (To Ground)	- Airbag main harness circuit is shorted to ground. - Airbag module harness (passenger's side) circuit is shorted to ground. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-120, DTC B1817 SHORT IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP (TO GROUND), Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1818	Short in Passenger's Airbag Dual Stage - 2nd Step Circuit (To +B)	- Airbag main harness circuit is shorted to power supply. - Airbag module harness (passenger's side) circuit is shorted to power supply. - Passenger's airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-123, DTC B1818 SHORT IN PASSENGER'S AIRBAG DUAL STAGE - 2ND STEP CIRCUIT (TO +B), Diagnostic Chart with Trouble Code.>
B1820	Short in Side Airbag RH	- Side airbag harness RH circuit is shorted. - Side airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-126, DTC B1820 SHORT IN SIDE AIRBAG RH, Diagnostic Chart with Trouble Code.>
B1821	Open in Side Airbag RH	- Side airbag harness RH circuit is open. - Side airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-128, DTC B1821 OPEN IN SIDE AIRBAG RH, Diagnostic Chart with Trouble Code.>
B1822	Short in Side Airbag RH (To Ground)	- Side airbag harness RH circuit is shorted to ground. - Side airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-130, DTC B1822 SHORT IN SIDE AIRBAG RH (TO GROUND), Diagnostic Chart with Trouble Code.>
B1823	Short in Side Airbag RH (To +B)	- Side airbag harness RH circuit is shorted to power supply. - Side airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-132, DTC B1823 SHORT IN SIDE AIRBAG RH (TO +B), Diagnostic Chart with Trouble Code.>
B1825	Short in Side Airbag LH	- Side airbag harness LH circuit is shorted. - Side airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-134, DTC B1825 SHORT IN SIDE AIRBAG LH, Diagnostic Chart with Trouble Code.>
B1826	Open in Side Airbag LH	- Side airbag harness LH circuit is open. - Side airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-136, DTC B1826 OPEN IN SIDE AIRBAG LH, Diagnostic Chart with Trouble Code.>
B1827	Short in Side Airbag LH (To Ground)	- Side airbag harness LH circuit is shorted to ground. - Side airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-138, DTC B1827 SHORT IN SIDE AIRBAG LH (TO GROUND), Diagnostic Chart with Trouble Code.>
B1828	Short in Side Airbag LH (To +B)	- Side airbag harness LH circuit is shorted to power supply. - Side airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-140, DTC B1828 SHORT IN SIDE AIRBAG LH (TO +B), Diagnostic Chart with Trouble Code.>
B1830	Short in Curtain Airbag RH Squib Circuit	- Curtain airbag harness RH circuit is shorted. - Curtain airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-142, DTC B1830 SHORT IN CURTAIN AIRBAG RH SQUIB CIRCUIT, Diagnostic Chart with Trouble Code.>
B1831	Open in Curtain Airbag RH Squib Circuit	- Curtain airbag harness RH circuit is open. - Curtain airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-144, DTC B1831 OPEN IN CURTAIN AIRBAG RH SQUIB CIRCUIT, Diagnostic Chart with Trouble Code.>
B1832	Short in Curtain Airbag RH Squib Circuit (To Ground)	- Curtain airbag harness RH circuit is shorted to ground. - Curtain airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-146, DTC B1832 SHORT IN CURTAIN AIRBAG RH SQUIB CIRCUIT (TO GROUND), Diagnostic Chart with Trouble Code.>
B1833	Short in Curtain Shield Airbag RH Squib Circuit (To +B)	- Curtain airbag harness RH is shorted to power supply. - Curtain airbag module RH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-148, DTC B1833 SHORT IN CURTAIN SHIELD AIRBAG RH SQUIB CIRCUIT (TO +B), Diagnostic Chart with Trouble Code.>
B1835	Short in Curtain Airbag LH Squib Circuit	- Curtain airbag harness LH circuit is shorted. - Curtain airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-150, DTC B1835 SHORT IN CURTAIN AIRBAG LH SQUIB CIRCUIT, Diagnostic Chart with Trouble Code.>
B1836	Open in Curtain Airbag LH Squib Circuit	- Curtain airbag harness LH circuit is open. - Curtain airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-152, DTC B1836 OPEN IN CURTAIN AIRBAG LH SQUIB CIRCUIT, Diagnostic Chart with Trouble Code.>



List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1837	Short in Curtain Airbag LH Squib Circuit (To Ground)	- Curtain airbag harness LH circuit is shorted to ground. - Curtain airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-154, DTC B1837 SHORT IN CURTAIN AIRBAG LH SQUIB CIRCUIT (TO GROUND), Diagnostic Chart with Trouble Code.>
B1838	Short in Curtain Shield Airbag LH Squib Circuit (To +B)	- Curtain airbag harness LH is shorted to power supply. - Curtain airbag module LH is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-156, DTC B1838 SHORT IN CURTAIN SHIELD AIRBAG LH SQUIB CIRCUIT (TO +B), Diagnostic Chart with Trouble Code.>
B1860	Short in Driver's Knee Airbag	- Airbag main harness circuit is shorted. - Knee airbag module harness circuit is shorted. - Knee airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-158, DTC B1860 SHORT IN DRIVER'S KNEE AIRBAG, Diagnostic Chart with Trouble Code.>
B1861	Open in Driver's Knee Airbag	- Airbag main harness circuit is open. - Knee airbag module harness circuit is open. - Knee airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-160, DTC B1861 OPEN IN DRIVER'S KNEE AIRBAG, Diagnostic Chart with Trouble Code.>
B1862	Short in Driver's Knee Airbag (To Ground)	- Airbag main harness circuit is shorted to ground. - Knee airbag module harness circuit is shorted to ground. - Knee airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-162, DTC B1862 SHORT IN DRIVER'S KNEE AIRBAG (TO GROUND), Diagnostic Chart with Trouble Code.>
B1863	Short in Driver's Knee Airbag (To +B)	- Airbag main harness circuit is shorted to power supply. - Knee airbag module harness circuit is shorted to power supply. - Knee airbag module is faulty. - Airbag control module is faulty.	<Ref. to AB(diag)-164, DTC B1863 SHORT IN DRIVER'S KNEE AIRBAG (TO +B), Diagnostic Chart with Trouble Code.>
B1900	Short in Front P/T RH	- Seat belt pretensioner RH circuit is shorted. - Pretensioner RH is faulty. - Pretensioner harness RH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-166, DTC B1900 SHORT IN FRONT P/T RH, Diagnostic Chart with Trouble Code.>
B1901	Open in Front P/T RH	- Seat belt pretensioner RH circuit is open. - Pretensioner RH is faulty. - Pretensioner harness RH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-168, DTC B1901 OPEN IN FRONT P/T RH, Diagnostic Chart with Trouble Code.>
B1902	Short in Front P/T RH (To Ground)	- Seat belt pretensioner RH circuit is shorted to ground. - Pretensioner RH is faulty. - Pretensioner harness RH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-170, DTC B1902 SHORT IN FRONT P/T RH (TO GROUND), Diagnostic Chart with Trouble Code.>
B1903	Short in Front P/T RH (To +B)	- Seat belt pretensioner RH circuit is shorted to power supply. - Pretensioner RH is faulty. - Pretensioner harness RH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-172, DTC B1903 SHORT IN FRONT P/T RH (TO +B), Diagnostic Chart with Trouble Code.>
B1905	Short in Front P/T LH	- Seat belt pretensioner LH circuit is shorted. - Pretensioner LH is faulty. - Pretensioner harness LH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-174, DTC B1905 SHORT IN FRONT P/T LH, Diagnostic Chart with Trouble Code.>
B1906	Open in Front P/T LH	- Seat belt pretensioner LH circuit is open. - Pretensioner LH is faulty. - Pretensioner harness LH is shorted. - Airbag control module is faulty.	<Ref. to AB(diag)-176, DTC B1906 OPEN IN FRONT P/T LH, Diagnostic Chart with Trouble Code.>

List of Diagnostic Trouble Code (DTC)

AIRBAG SYSTEM (DIAGNOSTICS)

DTC	Item	Content of diagnosis	Reference
B1907	Short in Front P/T LH (To Ground)	• Seat belt pretensioner LH circuit is shorted to ground. • Pretensioner LH is faulty. • Pretensioner harness LH is shorted. • Airbag control module is faulty.	<Ref. to AB(diag)-178, DTC B1907 SHORT IN FRONT P/T LH (TO GROUND), Diagnostic Chart with Trouble Code.>
B1908	Short in Front P/T LH (To +B)	• Seat belt pretensioner LH circuit is shorted to power supply. • Pretensioner LH is faulty. • Pretensioner harness LH is shorted. • Airbag control module is faulty.	<Ref. to AB(diag)-180, DTC B1908 SHORT IN FRONT P/T LH (TO +B), Diagnostic Chart with Trouble Code.>
B19F0	Short in Front P/T 2 RH	• Lap seat belt pretensioner RH circuit is shorted. • Lap seat belt pretensioner RH is faulty. • Lap seat belt pretensioner harness RH is shorted. • Airbag control module is faulty.	<Ref. to AB(diag)-182, DTC B19F0 SHORT IN FRONT P/T 2 RH, Diagnostic Chart with Trouble Code.>
B19F1	Open in Front P/T 2 RH	• Lap seat belt pretensioner RH circuit is open. • Lap seat belt pretensioner RH is faulty. • Lap seat belt pretensioner harness RH is open. • Airbag control module is faulty.	<Ref. to AB(diag)-184, DTC B19F1 OPEN IN FRONT P/T 2 RH, Diagnostic Chart with Trouble Code.>
B19F2	Short in Front P/T 2 RH (To Ground)	• Lap seat belt pretensioner RH circuit is shorted to ground. • Lap seat belt pretensioner RH is faulty. • Lap seat belt pretensioner harness RH is shorted to ground. • Airbag control module is faulty.	<Ref. to AB(diag)-186, DTC B19F2 SHORT IN FRONT P/T 2 RH (TO GROUND), Diagnostic Chart with Trouble Code.>
B19F3	Short in Front P/T 2 RH (To +B)	• Lap seat belt pretensioner RH circuit is shorted to power supply. • Lap seat belt pretensioner RH is faulty. • Lap seat belt pretensioner harness RH is shorted to power supply. • Airbag control module is faulty.	<Ref. to AB(diag)-188, DTC B19F3 SHORT IN FRONT P/T 2 RH (TO +B), Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

16. Diagnostic Chart with Trouble Code

A: DTC U0073 CONTROL MODULE COMMUNICATION BUS "A" OFF

This is detected when a CAN line malfunction occurs.

NOTE:

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

B: DTC B1000 AIRBAG ECU MALFUNCTION

DTC DETECTING CONDITION:

Airbag control module is faulty.

CAUTION:

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

Step	Check	Yes	No
1 CHECK DTC. Read the DTC. (Current malfunction) <Ref. to AB(diag)-21, Read Diagnostic Trouble Code (DTC).>	Is any of B1000, B1003, B1105, B1106, B1115, B1116, B1120, B1121, B1125, B1126, B1135, B1136, B1145, B1146, B1170, B1185, B1195, B1196 or B1199 displayed?	Replace the airbag control module. <Ref. to AB-75, Airbag Control Module.>	Perform the Clear Memory Mode. <Ref. to AB(diag)-23, Clear Memory Mode.>

C: DTC B1003 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1103 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

D: DTC B1105 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1105 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

E: DTC B1106 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1106 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

F: DTC B1115 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1115 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

G: DTC B1116 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1116 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

H: DTC B1120 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1120 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

I: DTC B1121 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1121 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

J: DTC B1125 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1125 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

K: DTC B1126 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1126 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

L: DTC B1135 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1135 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

M: DTC B1136 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1136 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

N: DTC B1145 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1145 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

O: DTC B1146 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1146 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

P: DTC B1170 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1170 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

Q: DTC B1185 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1185 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

R: DTC B1195 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1195 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

S: DTC B1196 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1196 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

T: DTC B1199 AIRBAG ECU MALFUNCTION

NOTE:

Refer to DTC B1199 for details on DTC B1000. <Ref. to AB(diag)-38, DTC B1000 AIRBAG ECU MALFUNCTION, Diagnostic Chart with Trouble Code.>

U: DTC B11E0 ROLLOVER IGNITION

This DTC is indicated when the curtain airbag module and the seat belt pretensioner are deployed. Once this DTC is displayed, the memory cannot be cleared. Replace the following parts.

- Airbag control module <Ref. to AB-75, Airbag Control Module.>
- Curtain airbag module <Ref. to AB-73, Curtain Airbag Module.>
- Front outer seat belt with pretensioner <Ref. to SB-15, Front Seat Belt.>

V: DTC B11F2 FRONT IMPACT IGNITION

DTC DETECTING CONDITION:

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

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

- Airbag control module <Ref. to AB-75, Airbag Control Module.>
- Driver's airbag module <Ref. to AB-37, Driver's Airbag Module.>
- Passenger's airbag module <Ref. to AB-42, Passenger's Airbag Module.>
- Driver's knee airbag module <Ref. to AB-39, Knee Airbag Module.>
- Front sub sensor of both sides. <Ref. to AB-80, Front Sub Sensor.>
- Front outer seat belt with pretensioner of both sides. <Ref. to SB-15, Front Seat Belt.>
- Steering roll connector <Ref. to AB-98, Roll Connector.>
- Occupant detection system (passenger's seat cushion & frame assembly) <Ref. to SE-8, Front Seat.>
- Side airbag module on both sides (when activated) <Ref. to AB-86, Side Airbag Sensor.>
- Curtain airbag module on both sides (when activated) <Ref. to AB-73, Curtain Airbag Module.>

W: DTC B11F3 FRONT IMPACT IGNITION

NOTE:

For details on DTC B11F3, refer to DTC B11F2. <Ref. to AB(diag)-40, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

X: DTC B11F4 FRONT IMPACT IGNITION

NOTE:

For details on DTC B11F4, refer to DTC B11F2. <Ref. to AB(diag)-40, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

Y: DTC B11F5 FRONT IMPACT IGNITION

NOTE:

For details on DTC B11F5, refer to DTC B11F2. <Ref. to AB(diag)-40, DTC B11F2 FRONT IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

Z: DTC B11F7 SIDE IMPACT IGNITION

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

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

- Airbag control module <Ref. to AB-75, Airbag Control Module.>
- Side airbag module (operating side) <Ref. to AB-63, Side Airbag Module.>
- Side airbag sensor (operating side) <Ref. to AB-86, Side Airbag Sensor.>
- Curtain airbag module (operating side) <Ref. to AB-73, Curtain Airbag Module.>
- Curtain airbag sensor (operating side) <Ref. to AB-92, Curtain Airbag Sensor.>
- Satellite safing sensor <Ref. to AB-96, Satellite Safing Sensor.>
- Front door impact sensor (operating side) <Ref. to AB-83, Front Door Impact Sensor.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AA:DTC B11F8 SIDE IMPACT IGNITION

NOTE:

For details on DTC B11F8, refer to DTC B11F7. <Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

AB:DTC B11F9 SIDE IMPACT IGNITION

NOTE:

For details on DTC B11F9, refer to DTC B11F7. <Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

AC:DTC B11FA SIDE IMPACT IGNITION

NOTE:

For details on DTC B11FA, refer to DTC B11F7. <Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

AD:DTC B11FB SIDE IMPACT IGNITION

NOTE:

For details on DTC B11FB, refer to DTC B11F7. <Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

AE:DTC B11FC SIDE IMPACT IGNITION

NOTE:

For details on DTC B11FC, refer to DTC B11F7. <Ref. to AB(diag)-40, DTC B11F7 SIDE IMPACT IGNITION, Diagnostic Chart with Trouble Code.>

AF:DTC B1610 FRONT SUB SENSOR RH FAILURE

DTC DETECTING CONDITION:

Front sub sensor RH is faulty.

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

Replace the front sub sensor RH. <Ref. to AB-80, Front Sub Sensor.>

AG:DTC B1612 FRONT SUB SENSOR RH LOST COMMUNICATION

NOTE:

For details on DTC B1612, refer to DTC B1613. <Ref. to AB(diag)-42, DTC B1613 FRONT SUB SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AH:DTC B1613 FRONT SUB SENSOR RH INITIALIZATION ERROR

DTC DETECTING CONDITION:

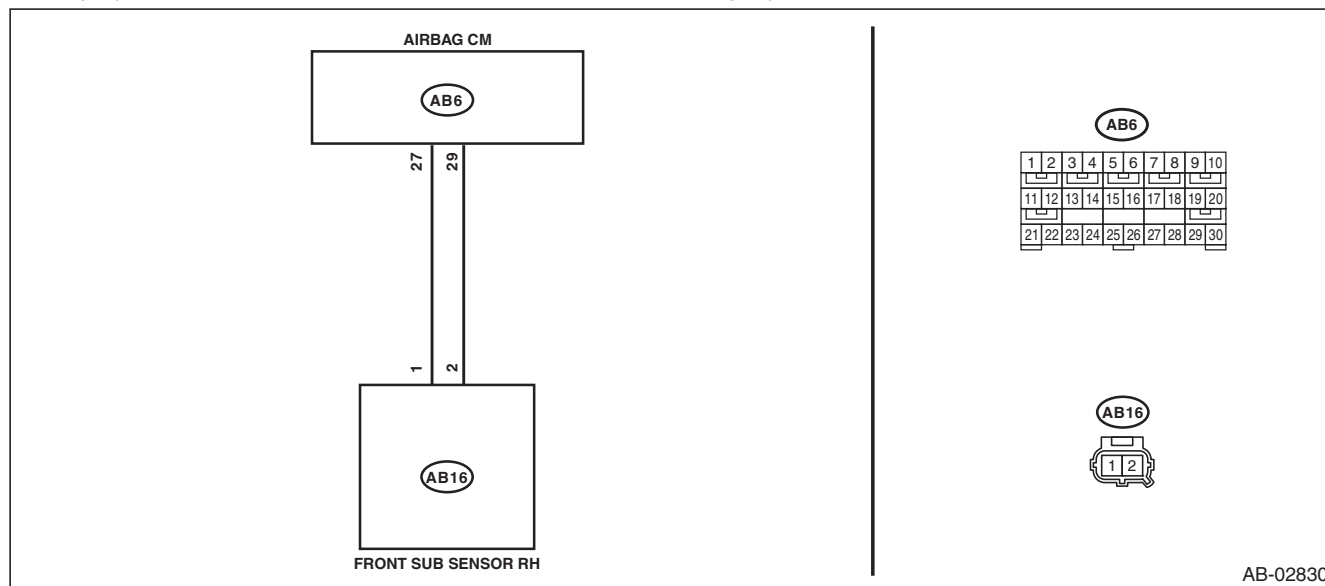
- Open or short circuit in harness of front sensor bus RH.
- Front sub sensor RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connector (AB66) from the driver's knee airbag module. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (1H) in the test harness H to connector (AB16). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness H. Connector & terminal (4AG) No. 14 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:	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 SENSOR BUS RH). Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 14 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the front sub sensor RH. <Ref. to AB-80, REMOVAL, Front Sub Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, 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". <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AI: DTC B1615 FRONT SUB SENSOR LH FAILURE

DTC DETECTING CONDITION:

Front sub sensor LH is faulty.

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

Replace the front sub sensor LH. <Ref. to AB-80, Front Sub Sensor.>

AJ:DTC B1617 FRONT SUB SENSOR LH LOST COMMUNICATION

NOTE:

For details on DTC B1617, refer to DTC B1618. <Ref. to AB(diag)-45, DTC B1618 FRONT SUB SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AK:DTC B1618 FRONT SUB SENSOR LH INITIALIZATION ERROR

DTC DETECTING CONDITION:

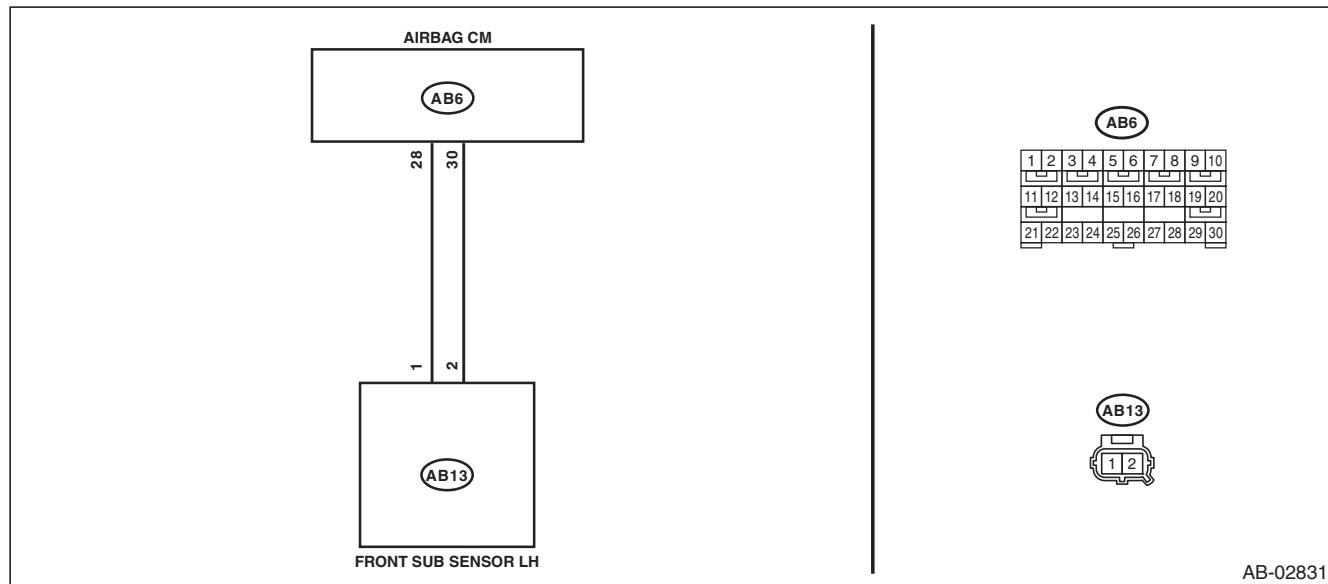
- Open or short circuit in harness of front sensor bus LH.
- Front sub sensor LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-02831

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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connector (AB66) from the driver's knee airbag module. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Disconnect the connector (AB13) from the front sub sensor LH, and then connect the connector (1H) in the test harness H to connector (AB13). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness H. Connector & terminal (4AG) No. 7 — (3H) No. 5: (4AG) No. 9 — (3H) No. 6:	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 SENSOR BUS LH). Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 7 — Chassis ground: (4AG) No. 9 — Chassis ground: (4AG) No. 7 — (4AG) No. 9:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the front sub sensor LH. <Ref. to AB-80, REMOVAL, Front Sub Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, 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". <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AL:DTC B16F2 FRONT SUB SENSOR RH RECOGNITION ERROR

DTC DETECTING CONDITION:

Front sub sensor RH is wrongly installed.

CAUTION:

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

Step	Check	Yes	No
1 REPLACE FRONT SUB SENSOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front sub sensor RH with a genuine sensor. <Ref. to AB-80, REMOVAL, Front Sub Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

AM:DTC B16F3 FRONT SUB SENSOR LH RECOGNITION ERROR

DTC DETECTING CONDITION:

Front sub sensor LH is wrongly installed.

CAUTION:

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

Step	Check	Yes	No
1 REPLACE FRONT SUB SENSOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front sub sensor LH with a genuine sensor. <Ref. to AB-80, REMOVAL, Front Sub Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

AN:DTC B1620 SIDE AIRBAG SENSOR RH FAILURE

DTC DETECTING CONDITION:

Side airbag sensor RH is faulty.

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

Replace the side airbag sensor RH. <Ref. to AB-86, Side Airbag Sensor.>

AO:DTC B1622 SIDE AIRBAG SENSOR RH LOST COMMUNICATION

NOTE:

For details on DTC B1622, refer to DTC B1623. <Ref. to AB(diag)-48, DTC B1623 SIDE AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AP:DTC B1623 SIDE AIRBAG SENSOR RH INITIALIZATION ERROR

DTC DETECTING CONDITION:

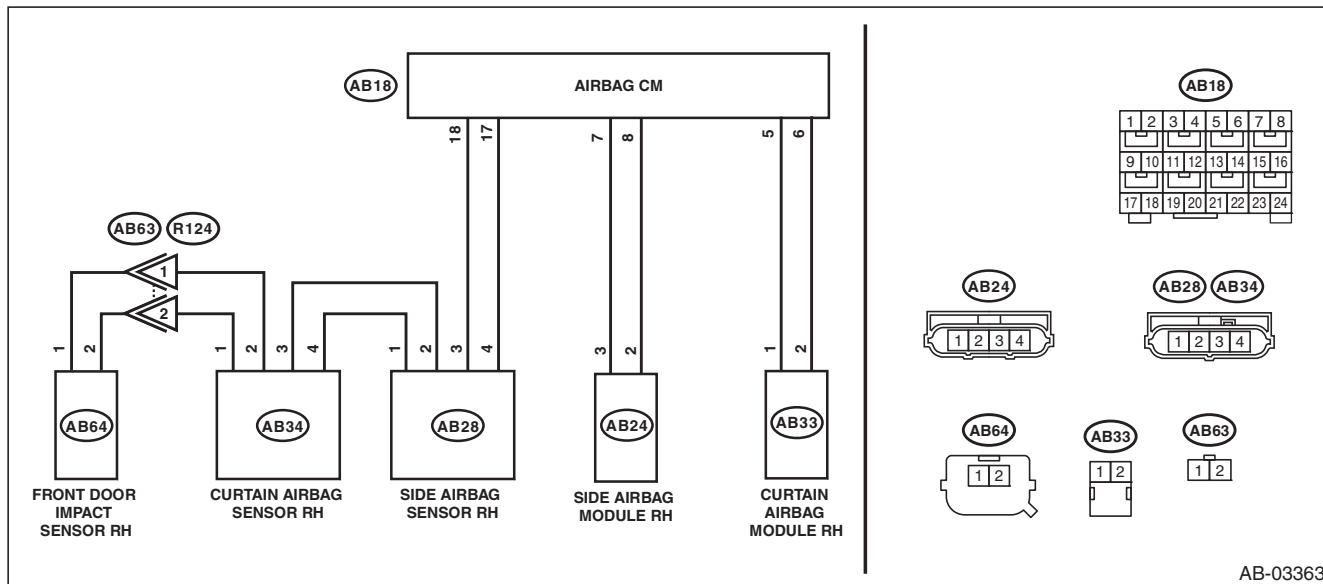
- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH and curtain airbag sensor RH are faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03363

Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the side airbag sensor RH.	Replace the airbag rear harness along with body harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Disconnect the connector (AB28) from side airbag sensor RH, and connect the connector (2V) in test harness V to connector (AB28). 9) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V. Connector & terminal (5AG) No. 14 — (3V) No. 1: (5AG) No. 16 — (3V) No. 2:	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the airbag rear harness along with body harness.
3 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH). Measure the resistance between test harness AG connectors (5AG) and chassis ground, and the resistance between connectors (5AG) of the test harness AG. Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 5.	Go to step 6.
5 REPLACE SIDE AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor RH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the system normal?	Go to step 6.	Replace the curtain airbag sensor RH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

AQ:DTC B1625 SIDE AIRBAG SENSOR LH FAILURE

DTC DETECTING CONDITION:

Side airbag sensor LH is faulty.

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

Replace the side airbag sensor LH. <Ref. to AB-86, Side Airbag Sensor.>

AR:DTC B1627 SIDE AIRBAG SENSOR LH LOST COMMUNICATION

NOTE:

For details on DTC B1627, refer to DTC B1628. <Ref. to AB(diag)-51, DTC B1628 SIDE AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AS:DTC B1628 SIDE AIRBAG SENSOR LH INITIALIZATION ERROR

DTC DETECTING CONDITION:

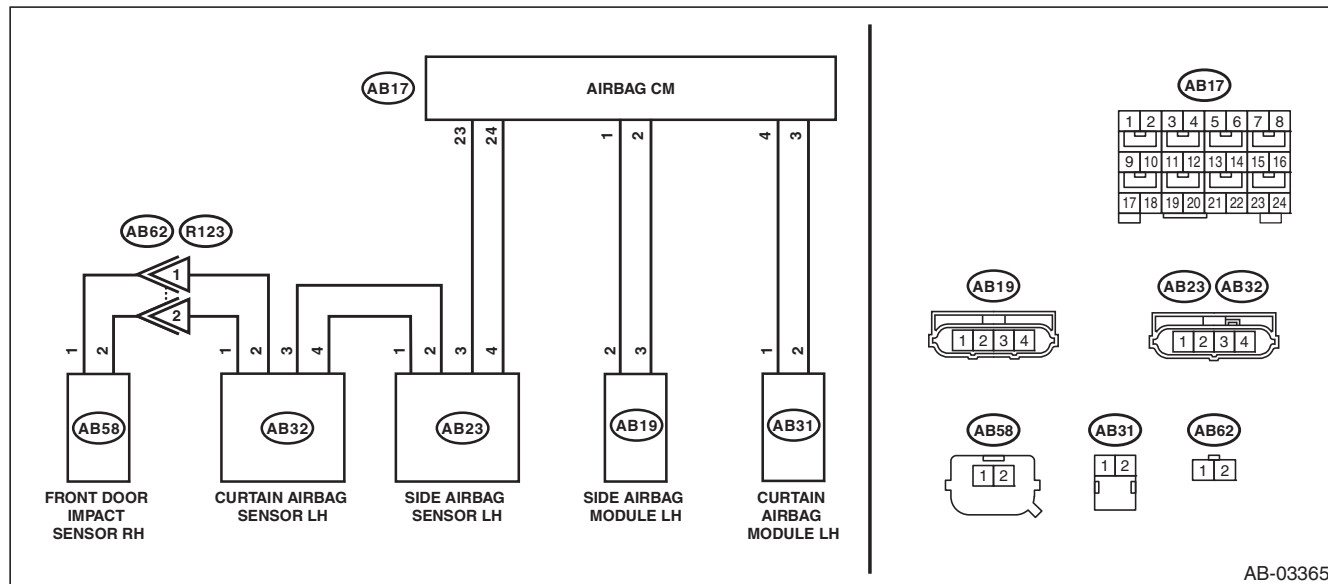
- Open or short circuit in harness of side sensor bus LH.
- Side airbag sensor LH and curtain airbag sensor LH are faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connectors (AB17, AB6, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Disconnect the connector (AB23) from side airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB23). 8) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V. Connector & terminal (5AG) No. 8 — (3V) No. 2: (5AG) No. 10 — (3V) No. 1:	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the airbag rear harness along with body harness.
3 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). Measure the resistance between test harness AG connectors (5AG) and chassis ground, and the resistance between connectors (5AG) of the test harness AG. Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 5.	Go to step 6.
5 REPLACE SIDE AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor LH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the system normal?	Go to step 6.	Replace the curtain airbag sensor LH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

AT:DTC B1630 CURTAIN AIRBAG SENSOR RH FAILURE

DTC DETECTING CONDITION:

Curtain airbag sensor RH is faulty.

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

Replace the curtain airbag sensor RH. <Ref. to AB-92, Curtain Airbag Sensor.>

AU:DTC B1632 CURTAIN AIRBAG SENSOR RH LOST COMMUNICATION

NOTE:

For details on DTC B1632, refer to DTC B1633. <Ref. to AB(diag)-54, DTC B1633 CURTAIN AIRBAG SENSOR RH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AV:DTC B1633 CURTAIN AIRBAG SENSOR RH INITIALIZATION ERROR

DTC DETECTING CONDITION:

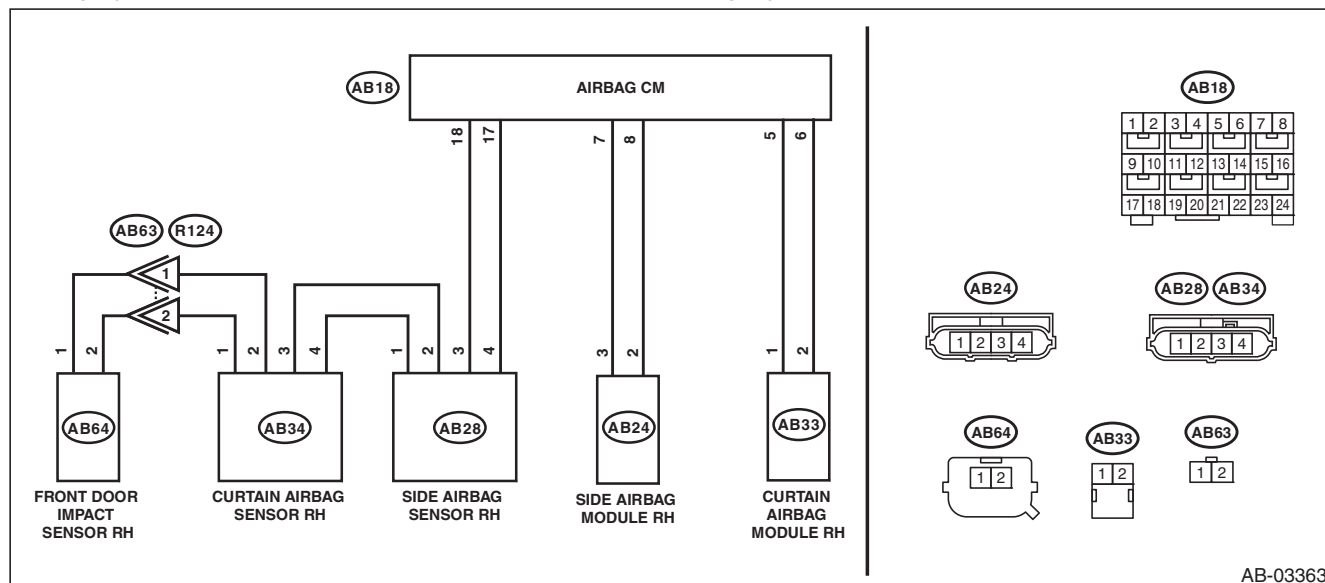
- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH and curtain airbag sensor RH are faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR RH AND CURTAIN AIRBAG SENSOR RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 6) Disconnect the connector (AB28) of side airbag sensor RH. 7) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 8) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 9) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 10) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V. Connector & terminal (3V) No. 2 — Chassis ground: (3V) No. 1 — Chassis ground: (3V) No. 2 — (3V) No. 1:	Is the resistance 1 M Ω or more?	Go to step 5.	Replace the airbag rear harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 6.	Go to step 7.
6 REPLACE CURTAIN AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor RH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 7.	Go to step 8.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
7 REPLACE SIDE AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor RH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 8.
8 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

AW:DTC B1635 CURTAIN AIRBAG SENSOR LH FAILURE

DTC DETECTING CONDITION:

Curtain airbag sensor LH is faulty.

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

Replace the curtain airbag sensor LH. <Ref. to AB-92, Curtain Airbag Sensor.>

AX:DTC B1637 CURTAIN AIRBAG SENSOR LH LOST COMMUNICATION

NOTE:

Refer to DTC B1637 for details on DTC B1638. <Ref. to AB(diag)-57, DTC B1638 CURTAIN AIRBAG SENSOR LH INITIALIZATION ERROR, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AY:DTC B1638 CURTAIN AIRBAG SENSOR LH INITIALIZATION ERROR

DTC DETECTING CONDITION:

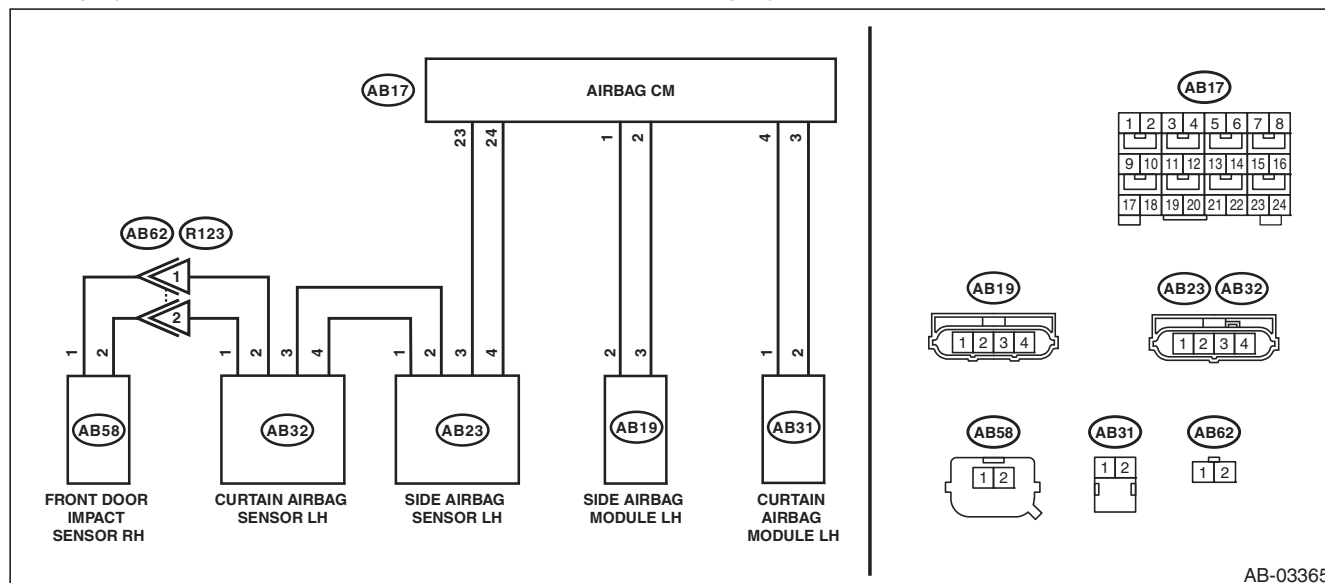
- Open or short circuit in harness of side sensor bus LH.
- Side airbag sensor LH and curtain airbag sensor LH are faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR LH AND CURTAIN AIRBAG SENSOR LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connector (AB23) in the side airbag sensor LH. 6) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 7) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 8) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect it to the connector (2V) in test harness V. 9) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) in test harness V. Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:	Is the resistance 1 M Ω or more?	Go to step 5.	Replace the airbag rear harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 6.	Go to step 8.
6 REPLACE CURTAIN AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor LH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 7.	Go to step 8.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
7 REPLACE SIDE AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor LH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 8 .
8 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code (DTC)". <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

AZ:DTC B16F4 SIDE AIRBAG SENSOR RH RECOGNITION ERROR

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE SIDE AIRBAG SENSOR RH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor RH with a genuine sensor. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BA:DTC B16F5 SIDE AIRBAG SENSOR LH RECOGNITION ERROR

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE SIDE AIRBAG SENSOR LH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor LH with a genuine sensor. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BB:DTC B16F6 CURTAIN AIRBAG SENSOR RH RECOGNITION ERROR

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE CURTAIN AIRBAG SENSOR RH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor RH with a genuine sensor. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BC:DTC B16F7 CURTAIN AIRBAG SENSOR LH RECOGNITION ERROR

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE CURTAIN AIRBAG SENSOR LH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor LH with a genuine sensor. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BD:DTC B1642 SIDE SATELLITE SENSOR BUS RH LOST COMMUNICATION

DTC DETECTING CONDITION:

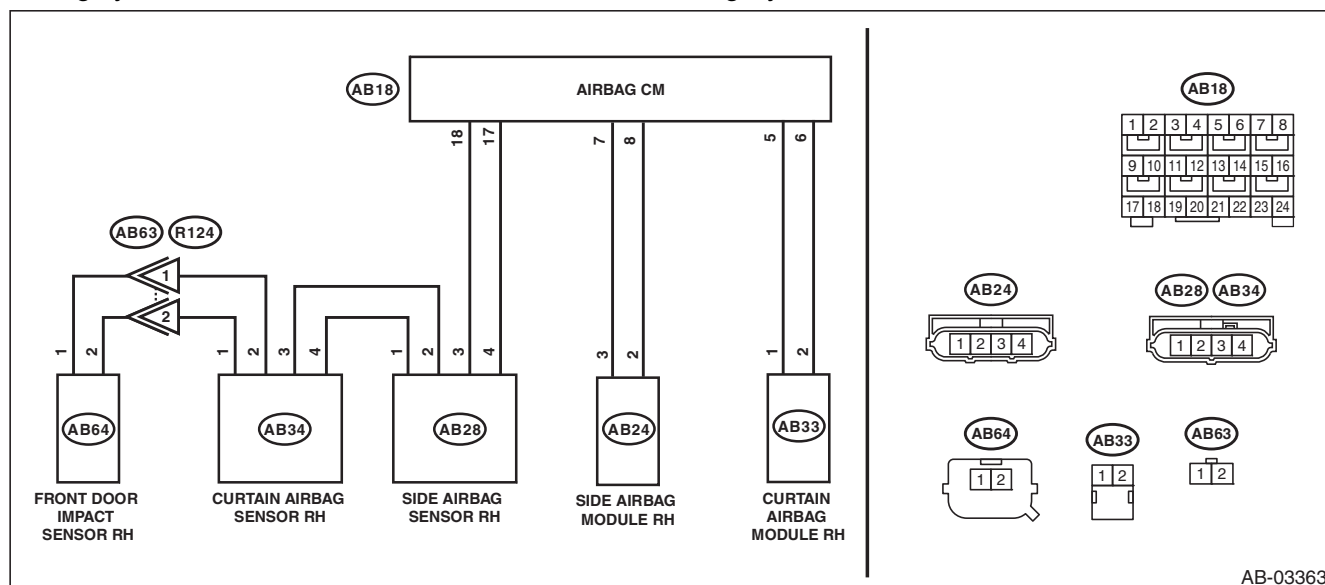
- Open or short circuit in harness of side sensor bus RH.
- Side airbag sensor RH is faulty.
- Curtain airbag sensor RH is faulty.
- Front door impact sensor RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03363

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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) of side airbag module RH. 5) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Disconnect the connector (AB28) from side airbag sensor RH. 9) Connect the connector (2V) in the test harness V to the connector (AB28). 10) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V. Connector & terminal (5AG) No. 14 — (3V) No. 1: (5AG) No. 16 — (3V) No. 2:	Is the resistance less than 10 Ω ?	Go to step 6.	Replace the airbag rear harness along with body harness.
6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals. Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:	Is the resistance 1 M Ω or more?	Go to step 7.	Replace the airbag rear harness along with body harness.
7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB28) of side airbag sensor RH. 2) Connect the connector (AB28) of side airbag sensor RH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 4) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 5) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:	Is the resistance less than 10 Ω ?	Go to step 8.	Replace the airbag rear harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
8 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. <i>Connector & terminal</i> <i>(3V) No. 2 — Chassis ground:</i> <i>(3V) No. 1 — Chassis ground:</i> <i>(3V) No. 1 — (3V) No. 2:</i>	Is the resistance 1 MΩ or more?	Go to step 9.	Replace the airbag rear harness along with body harness.
9 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR RH AND DOOR SENSOR RH). 1) Disconnect the connector (AB64) from the front door impact sensor RH, and connect the connector (1H) in the test harness H to connector (AB64). 2) Measure the resistance between connector (3V) in the test harness V and connector (3H) in the test harness H. <i>Connector & terminal</i> <i>(3V) No. 4 — (3H) No. 5:</i> <i>(3V) No. 5 — (3H) No. 6:</i>	Is the resistance less than 10 Ω?	Go to step 10.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
10 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR RH AND FRONT DOOR IMPACT SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. <i>Connector & terminal</i> <i>(3V) No. 4 — Chassis ground:</i> <i>(3V) No. 5 — Chassis ground:</i> <i>(3V) No. 4 — (3V) No. 5:</i>	Is the resistance 1 MΩ or more?	Go to step 11.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
11 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 12.	Go to step 15.
12 REPLACE SIDE AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor RH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 13.	Go to step 15.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
13 REPLACE CURTAIN AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor RH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 14.	Go to step 15.
14 REPLACE FRONT DOOR IMPACT SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor RH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 15.
15 CHECK FOR ANY OTHER DTC ON DISPLAY. Read the DTC. (Current malfunction)	Is any other DTC displayed?	Perform the diagnosis according to DTC.	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BE:DTC B1647 SIDE SATELLITE SENSOR BUS LH LOST COMMUNICATION

DTC DETECTING CONDITION:

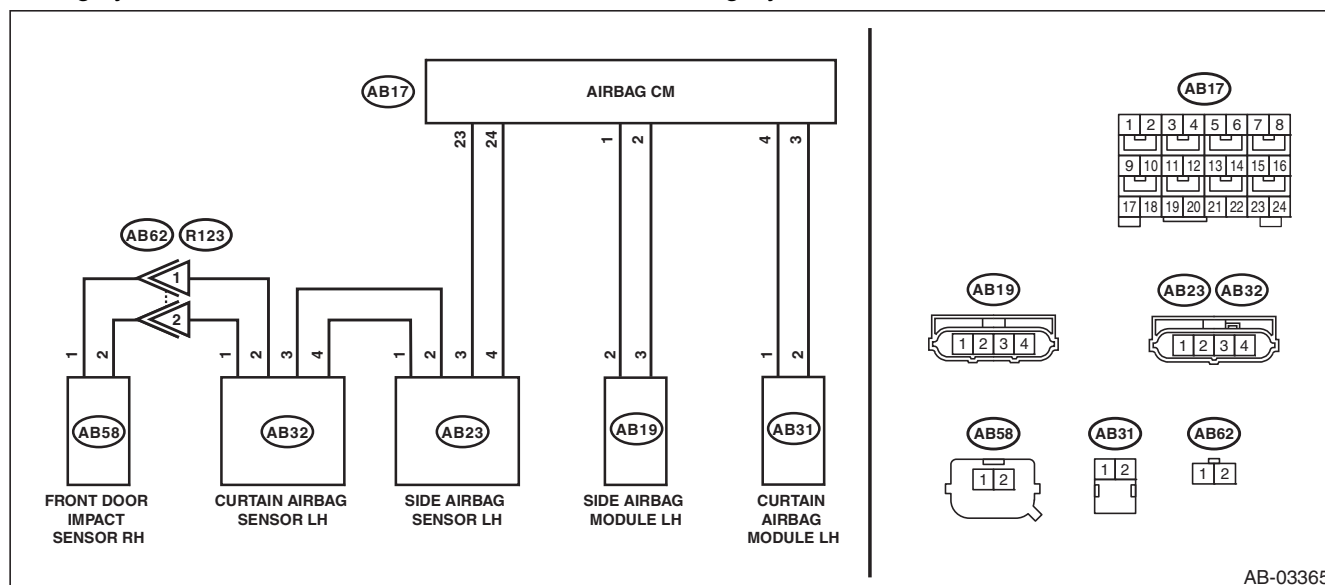
- Open or short circuit in harness of side sensor bus LH.
- Side airbag sensor LH is faulty.
- Curtain airbag sensor LH is faulty.
- Front door impact sensor LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03365

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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
5 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) of the side airbag module LH. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Disconnect the connector (AB23) from the side airbag sensor LH. 8) Connect the connector (2V) in the test harness V to the connector (AB23). 9) Measure the resistance between connector (5AG) in the test harness AG and connector (3V) in the test harness V. Connector & terminal (5AG) No. 10 — (3V) No. 1: (5AG) No. 8 — (3V) No. 2:	Is the resistance less than 10 Ω ?	Go to step 6.	Replace the airbag rear harness along with body harness.
6 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SIDE AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals. Connector & terminal (3V) No. 1 — Chassis ground: (3V) No. 2 — Chassis ground: (3V) No. 1 — (3V) No. 2:	Is the resistance 1 M Ω or more?	Go to step 7.	Replace the airbag rear harness along with body harness.
7 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). 1) Disconnect the connector (2V) in the test harness V from the connector (AB23) of side airbag sensor LH. 2) Connect the connector (AB23) of side airbag sensor LH and the connector (1AI) in the test harness AI. 3) Connect the connector (2AI) in the test harness AI and the connector (1V) in the test harness V. 4) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 5) Measure the resistance between connector (3V) terminals in the test harness V. Connector & terminal (3V) No. 2 — (3V) No. 6: (3V) No. 1 — (3V) No. 7:	Is the resistance less than 10 Ω ?	Go to step 8.	Replace the airbag rear harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
8 CHECK AIRBAG REAR HARNESS (BETWEEN SIDE AIRBAG SENSOR AND CURTAIN AIRBAG SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. <i>Connector & terminal</i> <i>(3V) No. 2 — Chassis ground:</i> <i>(3V) No. 1 — Chassis ground:</i> <i>(3V) No. 1 — (3V) No. 2:</i>	Is the resistance 1 MΩ or more?	Go to step 9.	Replace the airbag rear harness along with body harness.
9 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND DOOR SENSOR LH). 1) Disconnect the connector (AB58) from the front door impact sensor LH, and connect the connector (1H) in the test harness H to connector (AB58). 2) Measure the resistance between connector (3V) in the test harness V and connector (3H) in the test harness H. <i>Connector & terminal</i> <i>(3V) No. 4 — (3H) No. 5:</i> <i>(3V) No. 5 — (3H) No. 6:</i>	Is the resistance less than 10 Ω?	Go to step 10.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
10 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND DOOR SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. <i>Connector & terminal</i> <i>(3V) No. 4 — Chassis ground:</i> <i>(3V) No. 5 — Chassis ground:</i> <i>(3V) No. 4 — (3V) No. 5:</i>	Is the resistance 1 MΩ or more?	Go to step 11.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
11 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 12.	Go to step 15.
12 REPLACE SIDE AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the side airbag sensor LH. <Ref. to AB-86, REMOVAL, Side Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 13.	Go to step 15.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
13 REPLACE CURTAIN AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor LH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 14.	Go to step 15.
14 REPLACE FRONT DOOR IMPACT SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor LH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 15.
15 CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Perform the diagnosis according to DTC.	Finish the diagnosis.

BF:DTC B1650 OCCUPANT CLASSIFICATION SYSTEM MALFUNCTION

NOTE:

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

BG:DTC B1655 FRONT BUCKLE SWITCH RH FAILURE

NOTE:

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



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BH:DTC B1660 PASSENGER'S AIRBAG ON INDICATOR FAILURE

DTC DETECTING CONDITION:

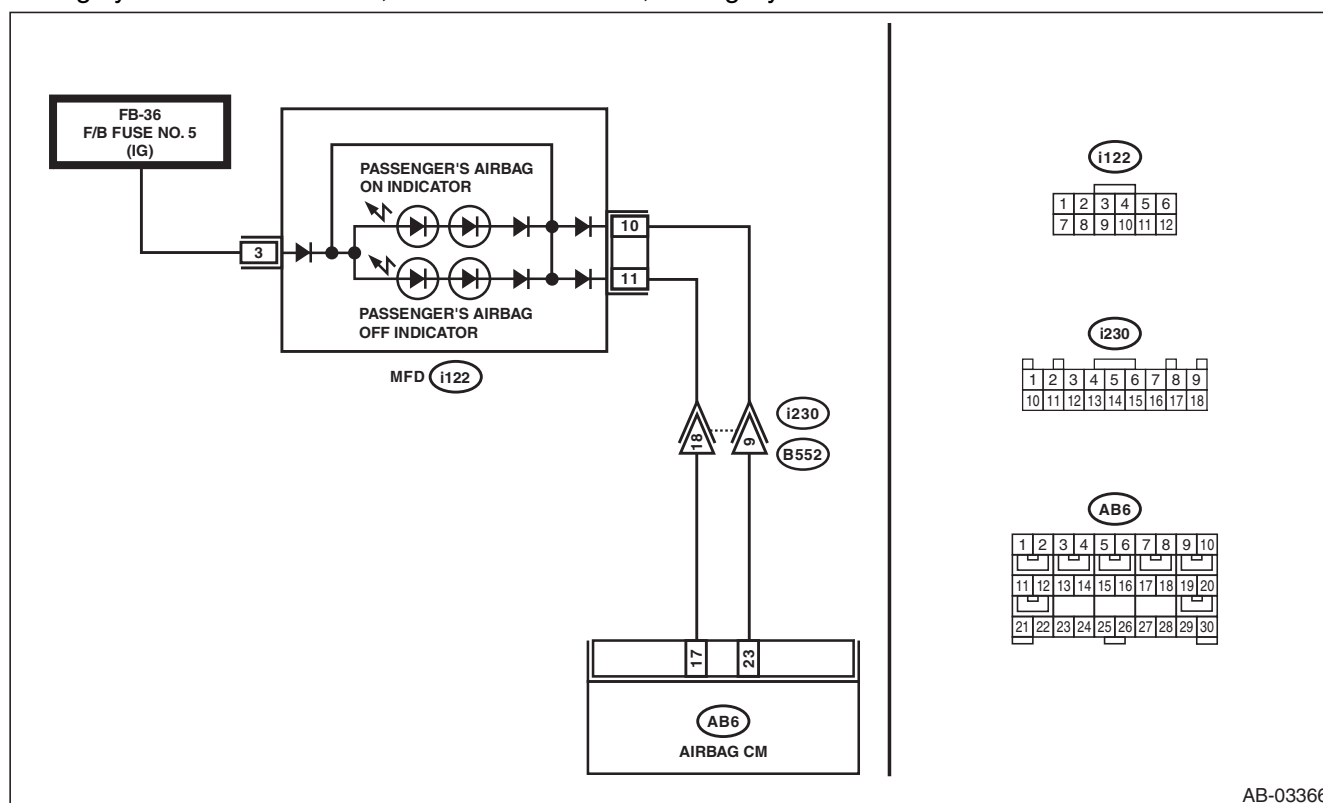
- Passenger's airbag indicator is faulty.
- Airbag control module is faulty.
- Airbag main harness circuit is open or shorted.
- Body harness circuit is open.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03366

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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the MFD and disconnect the connector (i122). 3) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 4) Measure the resistance between connector (2AG) in the test harness AG and chassis ground. Connector & terminal (2AG) No. 9 — (2AG) No. 8: (2AG) No. 9 — Chassis ground: (2AG) No. 8 — Chassis ground:	Is the resistance 1 MΩ or more?	Replace the MFD. <Ref. to IDI-25, REMOVAL, Multi-function Display (MFD).>	Repair the bulk-head harness. Or replace the airbag main harness along with body harness.
4 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 3) Connect the connectors (7AG) and (8AG) in the test harness AG. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the passenger's airbag indicator illuminate?	Replace the airbag control module. <Ref. to AB-75, Airbag Control Module.>	Go to step 5.
5 CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the MFD and disconnect the connector (i122). 3) Measure the resistance between connector (2AG) in the test harness AG and connector (i122). Connector & terminal (2AG) No. 9 — (i122) No. 11: (2AG) No. 8 — (i122) No. 10:	Is the resistance less than 10 Ω?	Go to step 6.	Repair the bulk-head harness. Or replace the airbag main harness along with body harness.
6 CHECK BODY HARNESS. 1) Turn the ignition switch to ON. 2) Measure the voltage between connector (i122) and chassis ground. Connector & terminal (i122) No. 3 (+) — Chassis ground (-):	Is the voltage 10 V or more?	Replace the MFD. <Ref. to IDI-25, REMOVAL, Multi-function Display (MFD).>	Check the power supply circuit of MFD.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BI: DTC B1675 SATELLITE SAFING SENSOR FAILURE

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE SATELLITE SAFING SENSOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the satellite safing sensor with a genuine sensor. <Ref. to AB-96, REMOVAL, Satellite Safing Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BJ:DTC B1676 LOST COMMUNICATION WITH SATELLITE SAFING SENSOR

NOTE:

For details on DTC B1676, refer to DTC B1677. <Ref. to AB(diag)-73, DTC B1677 SATELLITE SAFING SENSOR INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BK:DTC B1677 SATELLITE SAFING SENSOR INITIALIZATION INCOMPLETE

DTC DETECTING CONDITION:

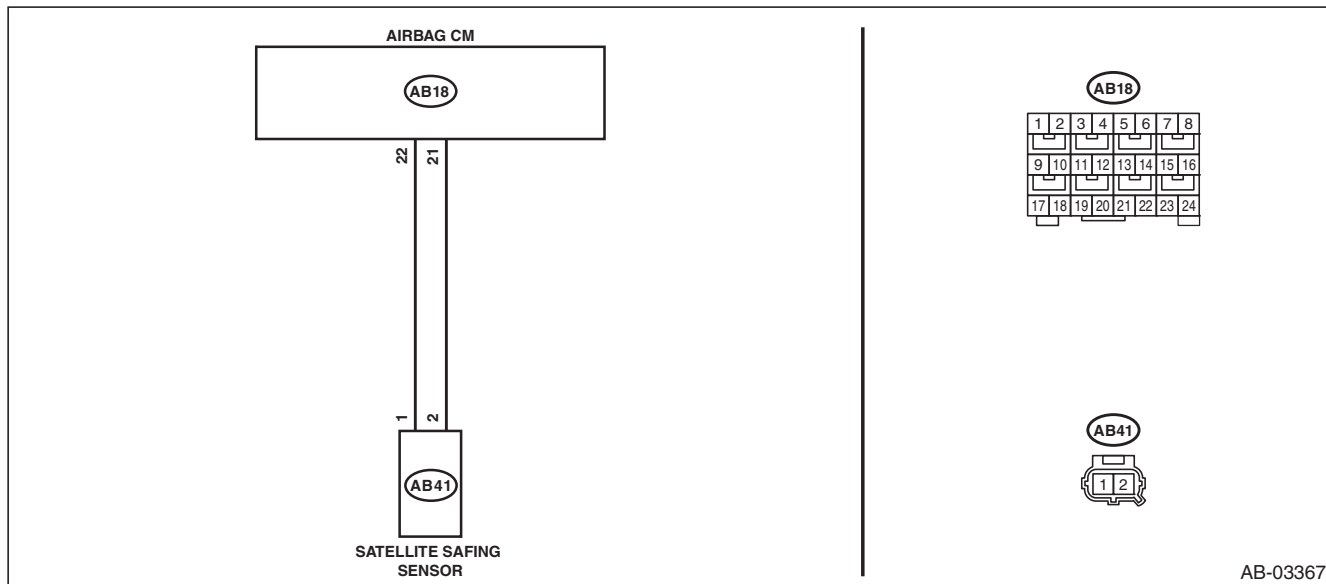
- Open or short circuit in harness of satellite safing sensor.
- Satellite safing sensor is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors (AB18, AB41) between the airbag control module and the satellite safing sensor.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SATELLITE SAFING SENSOR). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 6) Disconnect the connectors (AB17, AB6, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Disconnect the connector (AB41) from the satellite safing sensor and connect to the test harness H connector (1H). 9) Measure the resistance between connector in the test harness AG and connector in the test harness H. Connector & terminal (5AG) No. 15 — (3H) No. 5: (6AG) No. 14 — (3H) No. 6:	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the airbag rear harness along with body harness.
3 CHECK AIRBAG REAR HARNESS (BETWEEN AIRBAG CONTROL MODULE AND SATELLITE SAFING SENSOR). Measure the resistance between connector in the test harness AG and chassis ground, and the resistance between connector terminals in the test harness AG. Connector & terminal (5AG) No. 15 — Chassis ground: (6AG) No. 14 — Chassis ground: (5AG) No. 15 — (6AG) No. 14:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the satellite safing sensor. <Ref. to AB-96, REMOVAL, Satellite Safing Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BL:DTC B16F8 SATELLITE SAFING SENSOR RECOGNITION ERROR

DTC DETECTING CONDITION:

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

Step	Check	Yes	No
1 REPLACE SATELLITE SAFING SENSOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the satellite safing sensor with a genuine sensor. <Ref. to AB-96, REMOVAL, Satellite Safing Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BM:DTC B16F9 DOOR SENSOR RH RECOGNITION ERROR

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE FRONT DOOR IMPACT SENSOR RH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor RH with a genuine sensor. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BN:DTC B1690 DOOR SENSOR RH FAILURE

DTC DETECTING CONDITION:

Front door impact sensor RH is faulty.

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

Replace the front door impact sensor RH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.>

BO:DTC B1692 LOST COMMUNICATION WITH DOOR SENSOR RH

NOTE:

For details on DTC B1692, refer to DTC B1693. <Ref. to AB(diag)-76, DTC B1693 DOOR SENSOR RH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BP:DTC B1693 DOOR SENSOR RH INITIALIZATION INCOMPLETE

DTC DETECTING CONDITION:

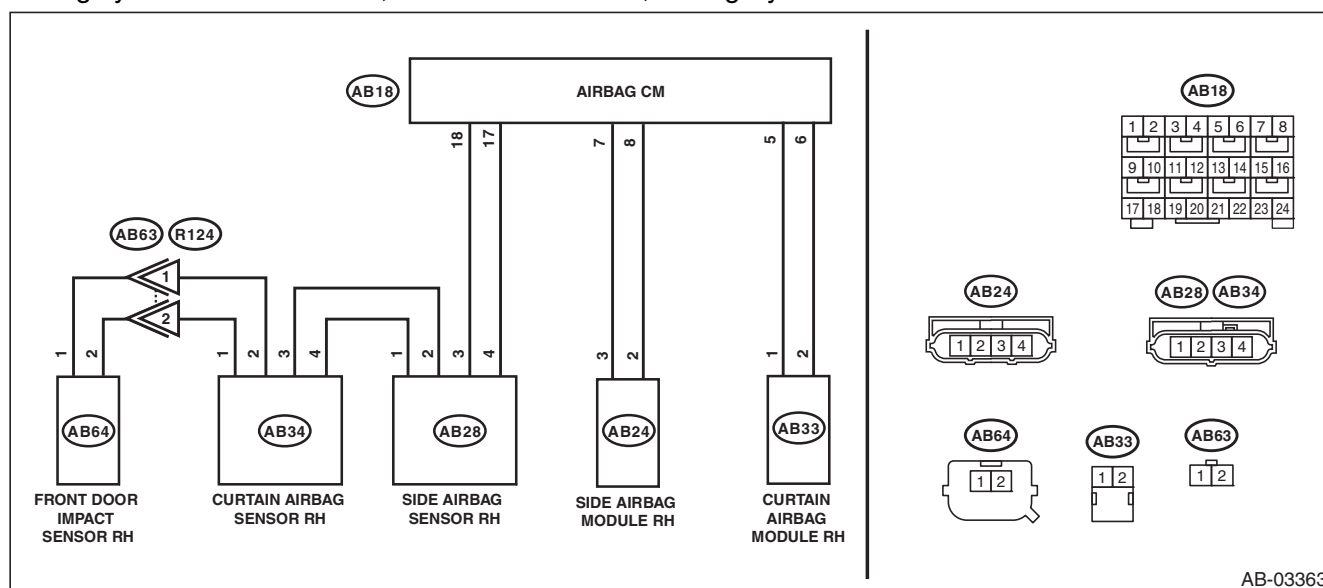
- Open or short circuit in harness of side sensor bus RH.
- Front door impact sensor RH is faulty.
- Curtain airbag sensor RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR RH AND DOOR SENSOR RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 6) Disconnect the connector (AB34) from curtain airbag sensor (RH), and connect the connector (2V) in test harness V to connector (AB34). 7) Disconnect the connector (AB64) from the front door impact sensor RH, and connect the connector (1H) in the test harness H to connector (AB64). 8) Measure the resistance between connector (3V) in the test harness V and connector (3H) in the test harness H. Connector & terminal (3V) No. 4 — (3H) No. 5: (3V) No. 5 — (3H) No. 6:	Is the resistance less than 10 Ω ?	Go to step 5.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
5 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR RH AND DOOR SENSOR RH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. Connector & terminal (3V) No. 4 — Chassis ground: (3V) No. 5 — Chassis ground: (3V) No. 4 — (3V) No. 5:	Is the resistance 1 M Ω or more?	Go to step 6.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 7.	Go to step 9.
7 REPLACE FRONT DOOR IMPACT SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor RH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 8.	Go to step 9.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
8	REPLACE CURTAIN AIRBAG SENSOR RH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor RH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 9.
9	CHECK FOR ANY OTHER DTC ON DISPLAY.	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code". <Ref. to AB(diag)-28, LIST, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BQ:DTC B16FA LOST COMMUNICATION WITH DOOR SENSOR LH

DTC DETECTING CONDITION:

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

CAUTION:

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

Step	Check	Yes	No
1 REPLACE FRONT DOOR IMPACT SENSOR LH. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor LH with a genuine sensor. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.>	Does the warning light go off?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>

BR:DTC B1695 DOOR SENSOR LH FAILURE

DTC DETECTING CONDITION:

Front door impact sensor LH is faulty.

If DTC AB is displayed, the circuit within the front door impact sensor LH is faulty.

Replace the front door impact sensor LH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.>

BS:DTC B1697 LOST COMMUNICATION WITH DOOR SENSOR LH

NOTE:

For details on DTC B1697, refer to DTC B1698. <Ref. to AB(diag)-80, DTC B1698 DOOR SENSOR LH INITIALIZATION INCOMPLETE, Diagnostic Chart with Trouble Code.>



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BT:DTC B1698 DOOR SENSOR LH INITIALIZATION INCOMPLETE

DTC DETECTING CONDITION:

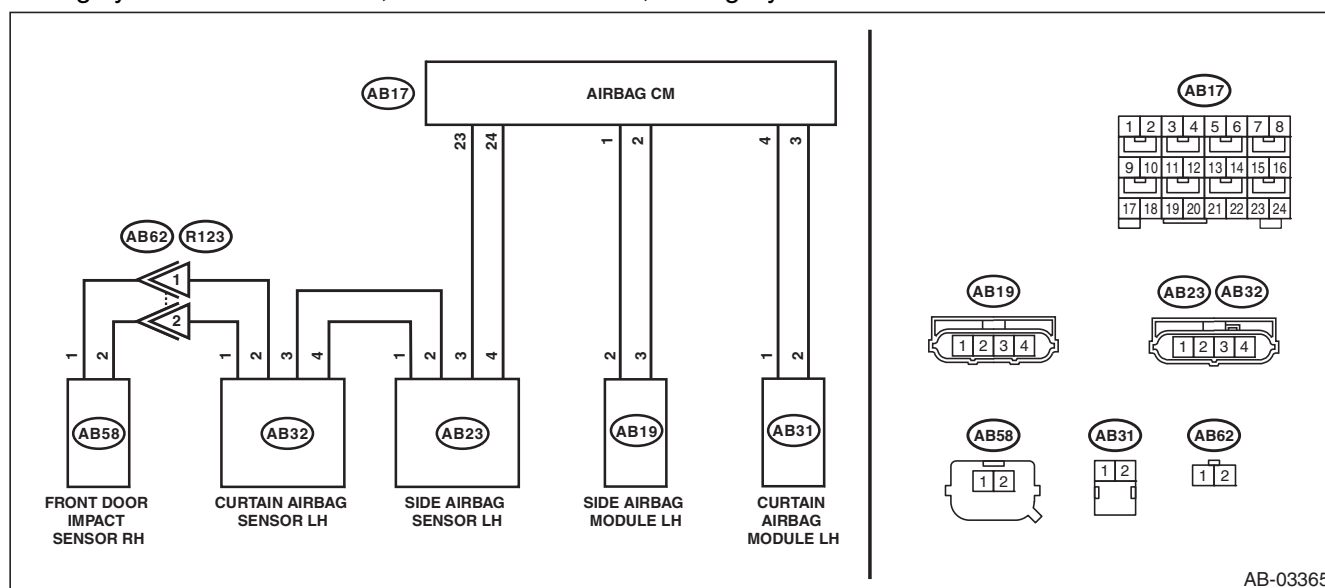
- Open or short circuit in harness of side sensor bus LH.
- Front door impact sensor LH is faulty.
- Curtain airbag sensor LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03365

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

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND FRONT DOOR IMPACT SENSOR LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the connector (AB19) from side airbag module LH. 5) Disconnect the connector (AB32) from curtain airbag sensor LH, and connect the connector (2V) in test harness V to connector (AB32). 6) Disconnect the connector (AB58) from the front door impact sensor LH, and connect the connector (1H) in the test harness H to connector (AB58). 7) Measure the resistance between connector (3V) in the test harness V and connector (3H) in the test harness H. Connector & terminal (3V) No. 4 — (3H) No. 5: (3V) No. 5 — (3H) No. 6:	Is the resistance less than 10 Ω?	Go to step 5.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
5 CHECK AIRBAG REAR HARNESS AND DOOR HARNESS (BETWEEN CURTAIN AIRBAG SENSOR LH AND FRONT DOOR IMPACT SENSOR LH). Measure the resistance between connector (3V) in test harness V and chassis ground, and the resistance between connector (3V) terminals in test harness V. Connector & terminal (3V) No. 4 — Chassis ground: (3V) No. 5 — Chassis ground: (3V) No. 4 — (3V) No. 5:	Is the resistance 1 MΩ or more?	Go to step 6.	Check the door harness, and if any fault is found, replace the harness. If there is no fault, replace the airbag rear harness together with body harness.
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 7.	Go to step 9.
7 REPLACE FRONT DOOR IMPACT SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the front door impact sensor LH. <Ref. to AB-83, REMOVAL, Front Door Impact Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Go to step 8.	Go to step 9.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

	Step	Check	Yes	No
8	REPLACE CURTAIN AIRBAG SENSOR LH AND CHECK AIRBAG CONTROL MODULE AFTER REPLACEMENT. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Replace the curtain airbag sensor LH. <Ref. to AB-92, REMOVAL, Curtain Airbag Sensor.> 3) Connect all connectors. 4) Clear the memory. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 9.
9	CHECK FOR ANY OTHER DTC ON DISPLAY. Read the DTC. (Current malfunction)	Is any other DTC displayed?	Check DTC using "List of Diagnostic Trouble Code". <Ref. to AB(diag)-28, LIST, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BU:DTC B161A LOST COMMUNICATION WITH FRONT SATELLITE SENSOR BUS

DTC DETECTING CONDITION:

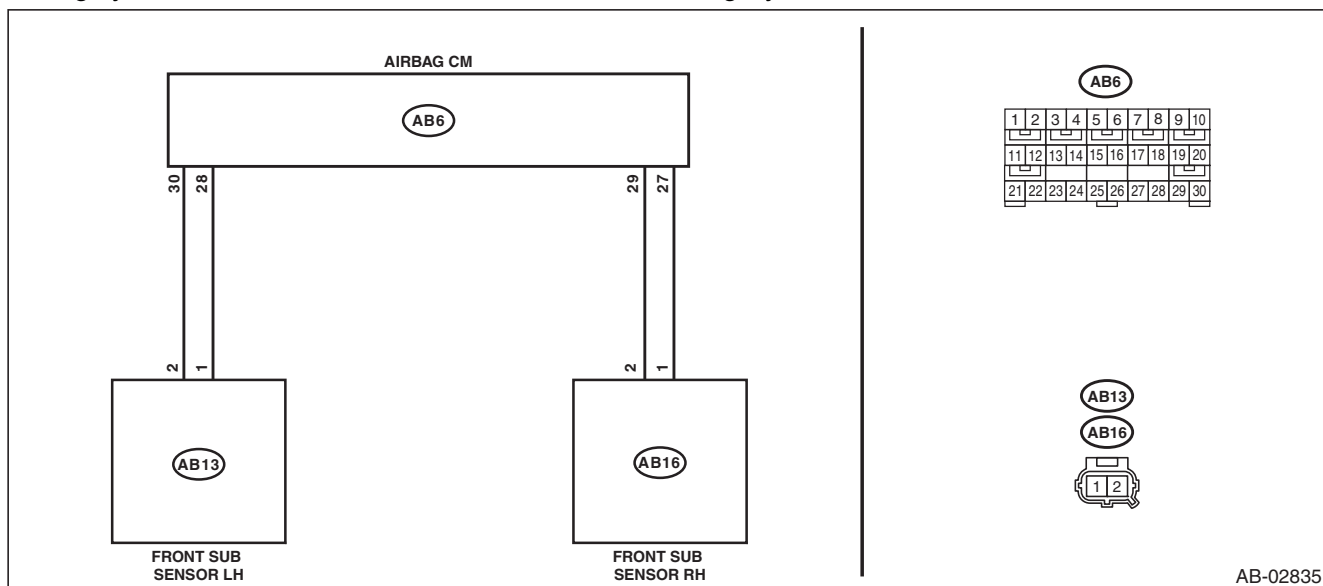
- Harness between airbag control module and front sub sensor is open or shorted.
- Front sub sensor is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag main harness along with body harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connectors (AB7) and (AB2). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connector (AB66) from the driver's knee airbag module. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Disconnect the connector (AB13) from the front sub sensor LH, and then connect the connector (1H) in the test harness H to connector (AB13). 8) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness H. Connector & terminal (4AG) No. 7 — (3H) No. 5: (4AG) No. 9 — (3H) No. 6:	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 SENSOR BUS LH). Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 7 — Chassis ground: (4AG) No. 9 — Chassis ground: (4AG) No. 7 — (4AG) No. 9:	Is the resistance 1 M Ω or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH). 1) Disconnect the connector (AB16) from the front sub sensor RH, and then connect the connector (1H) in the test harness H to connector (AB16). 2) Measure the resistance between connector (4AG) in the test harness AG and connector (3H) in the test harness H. Connector & terminal (4AG) No. 14 — (3H) No. 5: (4AG) No. 12 — (3H) No. 6:	Is the resistance less than 10 Ω ?	Go to step 5.	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG MAIN HARNESS (FRONT SENSOR BUS RH). Measure the resistance between connector (4AG) in the test harness AG and chassis ground, and the resistance between connector (4AG) terminals in the test harness AG. Connector & terminal (4AG) No. 12 — Chassis ground: (4AG) No. 14 — Chassis ground: (4AG) No. 12 — (4AG) No. 14:	Is the resistance 1 M Ω or more?	Go to step 6.	Replace the airbag rear harness along with body harness.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
6 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the front sub sensor LH and front sub sensor RH. <Ref. to AB-80, REMOVAL, Front Sub Sensor.> Replace the airbag control module if not operating normally even after replacing the sensor. <Ref. to AB-75, REMOVAL, 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". <Ref. to AB(diag)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

BV:DTC B16F1 PASSENGER'S SEAT BELT WARNING FAILURE

DTC DETECTING CONDITION:

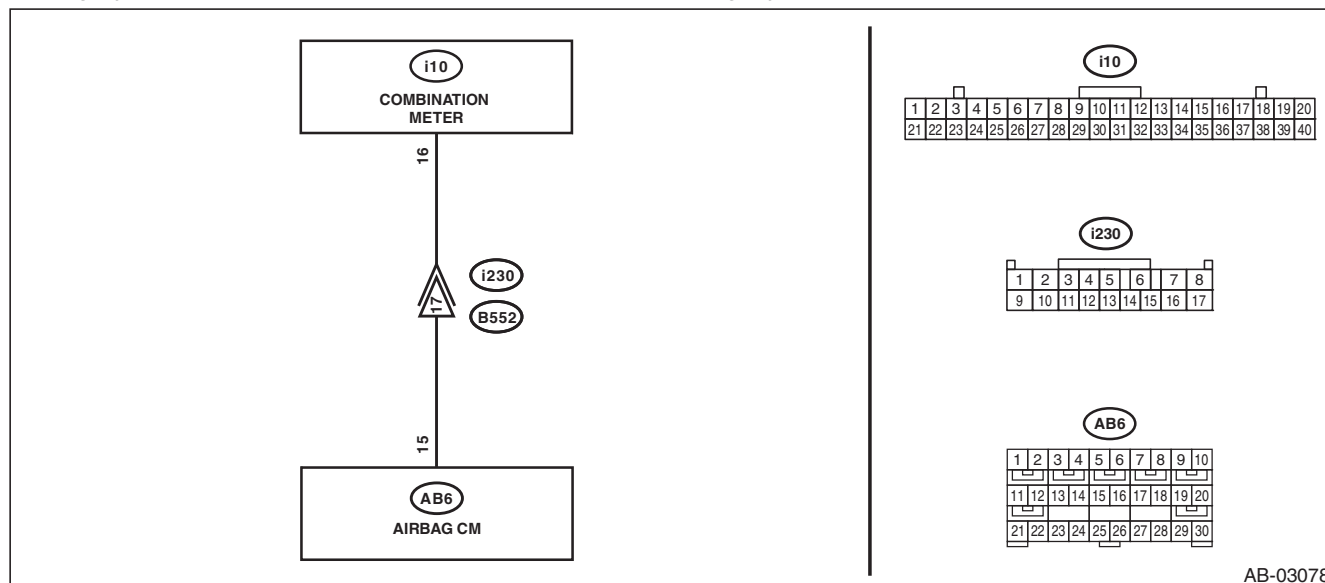
- Airbag control module is faulty.
- Meter is faulty.
- Harness circuits between meter and airbag control module are open, shorted or shorted to ground.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03078

Step	Check	Yes	No
1 CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 3) Connect the battery ground terminal and turn the ignition switch to ON.	Does the passenger's seat belt warning light blink for 6 seconds and go off?	Go to step 3.	Go to step 2.
2 CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF. 2) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 3) Measure the resistance between connector (2AG) in the test harness AG and chassis ground. Connector & terminal (2AG) No. 10 — Chassis ground:	Is the resistance 1 MΩ or more?	Replace the meter. <Ref. to IDI-18, REMOVAL, Combination Meter.>	Repair the bulk-head harness and instrument panel harness. Or replace the airbag main harness along with body harness.
3 CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF. 2) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 3) Connect the connectors (7AG) and (8AG) in the test harness AG. 4) Turn the ignition switch to ON.	Does the passenger's seat belt warning light blink for 6 seconds, then repeatedly light and go off?	Replace the airbag control module. <Ref. to AB-75, Airbag Control Module.>	Go to step 4.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK AIRBAG HARNESS. 1) Turn the ignition switch to OFF. 2) Disconnect the connectors (7AG) and (8AG) in the test harness AG in the condition of step 3. 3) Disconnect the connector (i10) from meter. 4) Measure the resistance between connector (2AG) in the test harness AG and connector (i84). Connector & terminal (2AG) No. 10 — (i10) No. 16:	Is the resistance less than 10 Ω ?	Replace the meter. <Ref. to IDI-18, REMOVAL, Combination Meter.>	Repair the bulk-head harness and instrument panel harness. Or replace the airbag main harness along with body harness.

BW:DTC B16F0 PASSENGER'S AIRBAG OFF INDICATOR FAILURE

NOTE:

For details on DTC B16F0, refer to DTC B1660. <Ref. to AB(diag)-70, DTC B1660 PASSENGER'S AIRBAG ON INDICATOR FAILURE, Diagnostic Chart with Trouble Code.>

BX:DTC B1760 SENSOR MAT ABNORMAL

NOTE:

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

BY:DTC B1771 BUCKLE SWITCH ABNORMAL

NOTE:

Refer to "Occupant Detection System" for details on DTC B1771. <Ref. to OD(diag)-22, DTC B1771 BUCKLE SWITCH ABNORMAL, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

BZ:DTC B1795 ECU INTERNAL CIRCUIT FAULT

NOTE:

Refer to "Occupant Detection System" for details on DTC B1795. <Ref. to OD(diag)-22, DTC B1795 ECU INTERNAL CIRCUIT FAULT, Diagnostic Procedure with Diagnostic Trouble Code (DTC).>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CA:DTC B1800 SHORT IN DRIVER'S AIRBAG

DTC DETECTING CONDITION:

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

CAUTION:

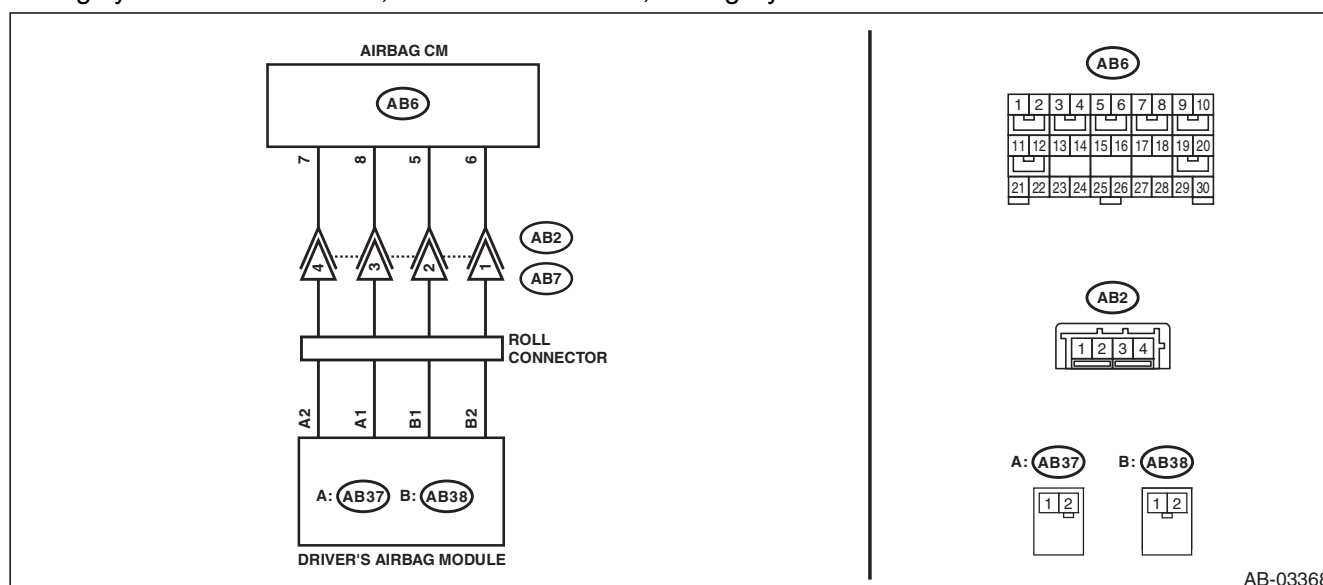
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the console front panel and disconnect the connector (AB9). 3) Disconnect the driver's knee airbag module connector (AB66). 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 6) Measure the resistance between connector (2Q) terminals in test harness Q. Connector & terminal (2Q) No. 1 — (2Q) No. 2:	Is the resistance 1 MΩ or more?	Go to step 5.	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 2) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 1 — (3AG) No. 3:	Is the resistance 1 MΩ or more?	Replace the roll connector. <Ref. to AB-98, Roll Connector.>	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CB:DTC B1801 OPEN IN DRIVER'S AIRBAG

DTC DETECTING CONDITION:

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

CAUTION:

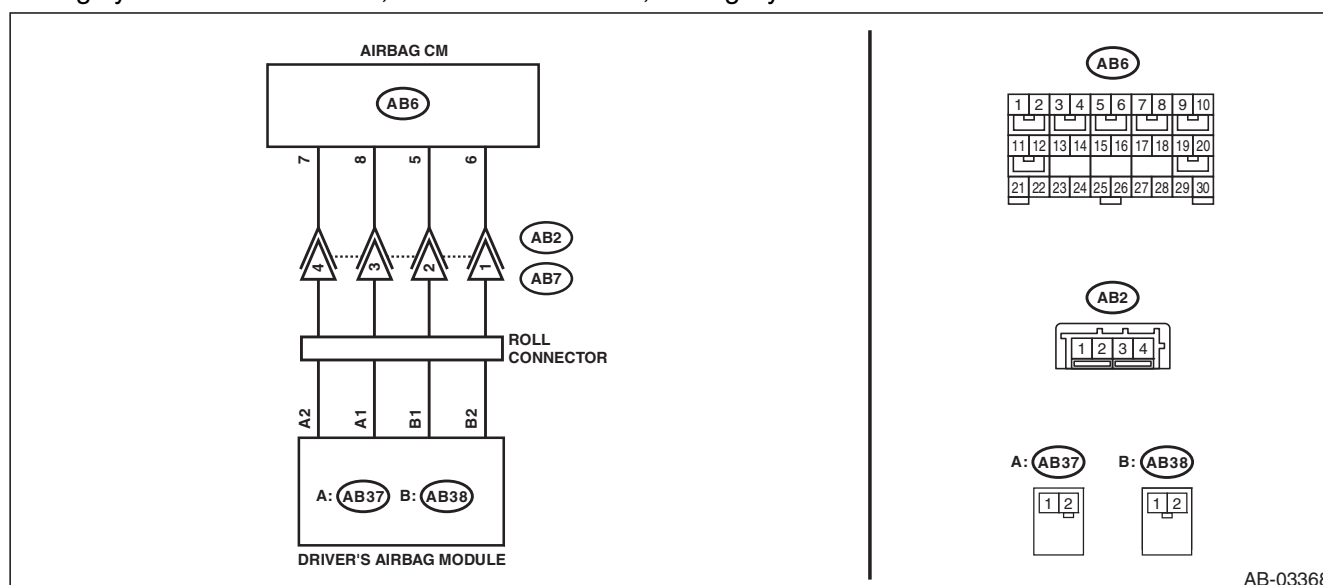
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the console front panel and disconnect the connector (AB9). 3) Disconnect the driver's knee airbag module connector (AB66). 4) Disconnect the airbag resistor from the connector (2N) in test harness N. 5) Disconnect the airbag resistor from the connector (2Q) of test harness Q. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Measure the resistance between connector (2Q) terminals in test harness Q. Connector & terminal (2Q) No. 1 — (2Q) No. 2:	Is the resistance less than 10 Ω ?	Go to step 5.	Go to step 4.
4 CHECK ROLL CONNECTOR. 1) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 2) Measure the resistance between connector (2Q) terminals in test harness Q. Connector & terminal (2Q) No. 1 — (2Q) No. 2:	Is the resistance less than 10 Ω ?	Replace the airbag main harness along with body harness.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CC:DTC B1802 SHORT IN DRIVER'S AIRBAG (TO GROUND)

DTC DETECTING CONDITION:

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

CAUTION:

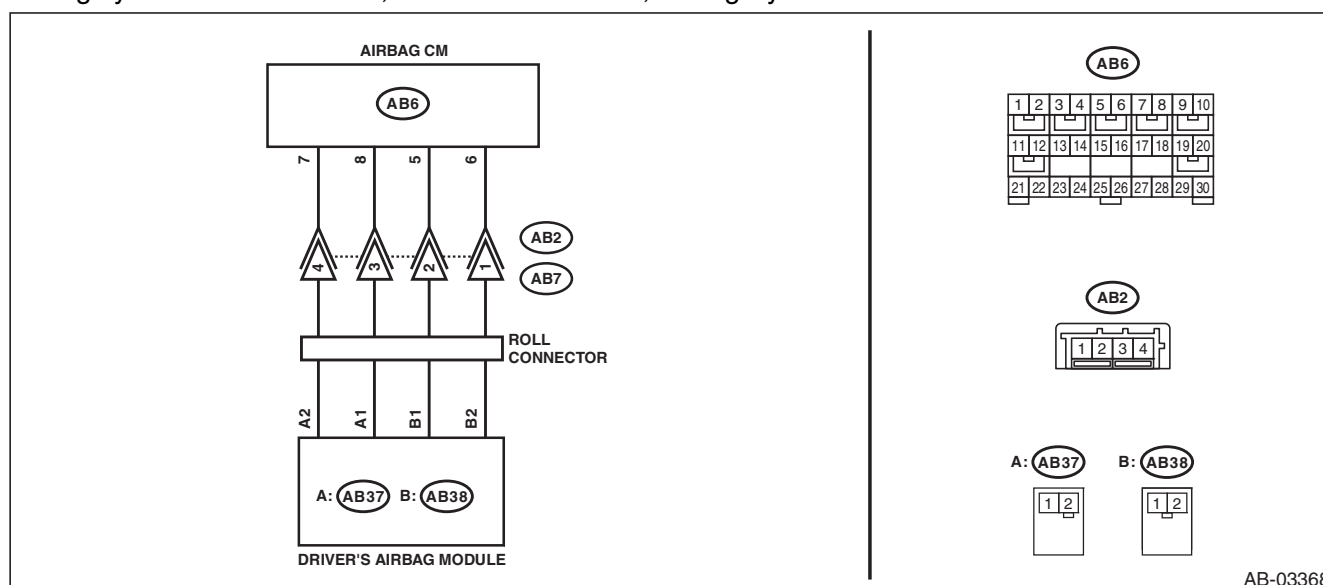
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 3) Disconnect the driver's knee airbag module connector (AB66). 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Measure the resistance between connector (2Q) in the test harness Q and chassis ground. <i>Connector & terminal</i> <i>(2Q) No. 1 — Chassis ground:</i> <i>(2Q) No. 2 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Disconnect the test harness N from connector (AB38). 2) Disconnect the test harness Q from connector (AB37). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 5) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(3AG) No. 1 — Chassis ground:</i> <i>(3AG) No. 3 — 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) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

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

CAUTION:

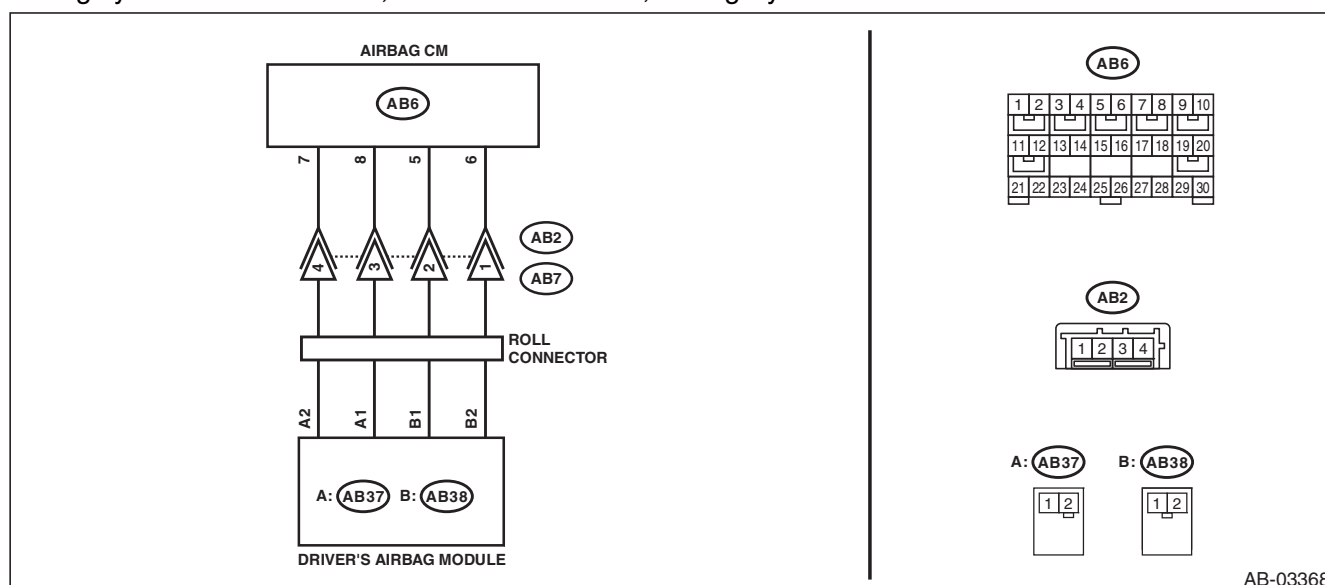
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 3) Disconnect the driver's knee airbag module connector (AB66). 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Measure the voltage between connector (2Q) in the test harness Q and chassis ground. Connector & terminal (2Q) No. 1 (+) — Chassis ground (-): (2Q) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Disconnect the test harness N from connector (AB38). 2) Disconnect the test harness Q from connector (AB37). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 1 (+) — Chassis ground (-): (3AG) No. 3 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 5.	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CE:DTC B1805 SHORT IN PASSENGER'S AIRBAG

DTC DETECTING CONDITION:

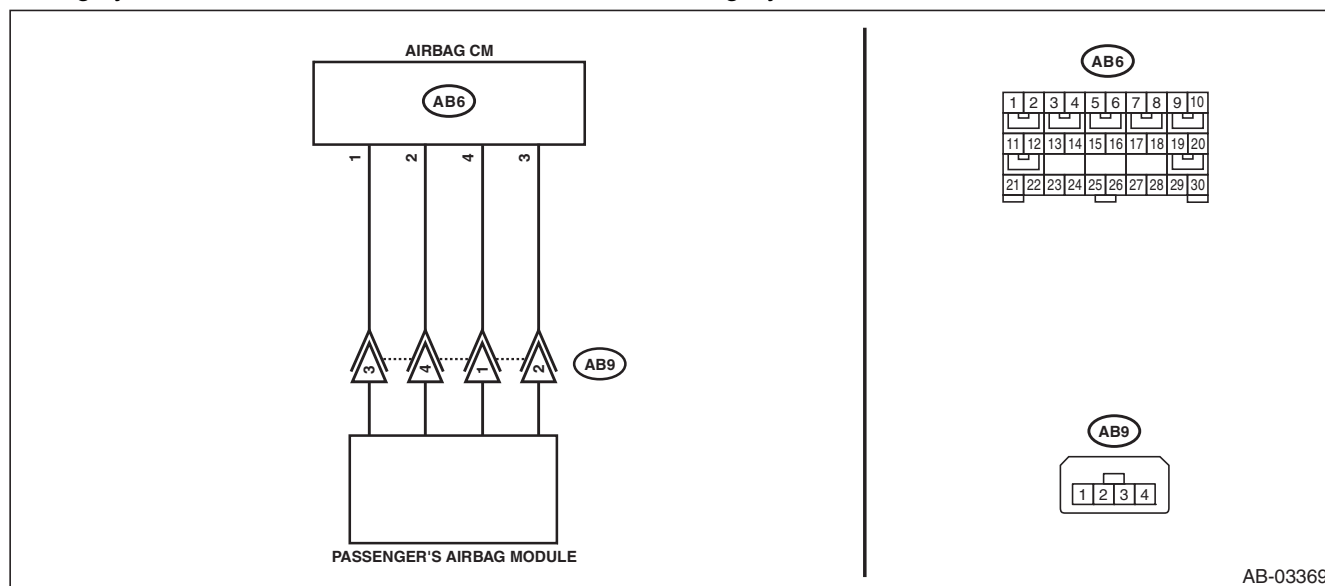
- Airbag main harness circuit is shorted.
- Airbag module harness circuit (passenger's side) is shorted.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03369

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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, connect the connector (1AG) in the test harness AG, and release the short mechanism of the connectors (AB6, AB17, AB18). 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the terminals of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 1 — (AB9) No. 2:	Is the resistance 1 MΩ or more?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Disconnect the test harness AG from the connectors (AB6, AB17, AB18). 2) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 3) Connect the connectors (AB7) and (AB2). 4) Connect the connector (AB66) to the driver's knee airbag module. 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Perform the Inspection Mode. 7) Read the DTC. (Current malfunction)	Is DTC B1805 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the passenger's airbag module connector (AB9). 3) Connect the battery ground terminal and turn the ignition switch to ON. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1805 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CF:DTC B1806 OPEN IN PASSENGER'S AIRBAG

DTC DETECTING CONDITION:

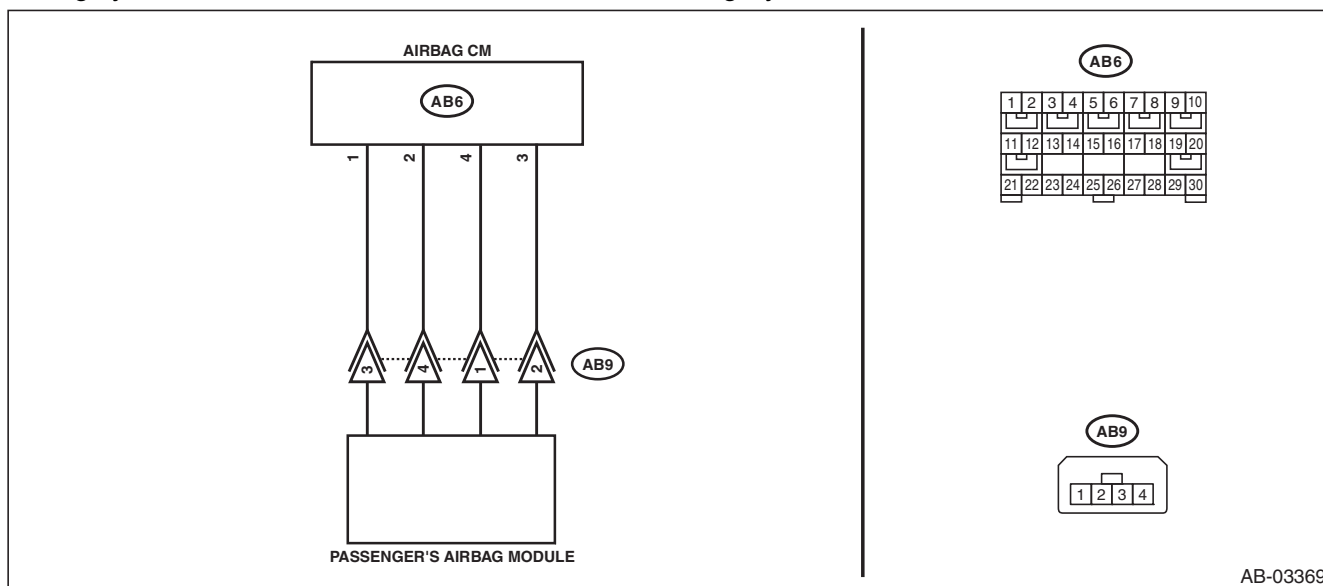
- Airbag main harness circuit is open.
- Airbag module harness (passenger's side) circuit is open.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03369

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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the terminals of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 1 — (AB9) No. 2:	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 2) Connect the connectors (AB7) and (AB2). 3) Connect the connector (AB66) to the driver's knee airbag module. 4) Using a probe, short the terminals No. 1 and No. 2 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 1 — (AB9) No. 2: 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Perform the Inspection Mode. 7) Read the DTC. (Current malfunction)	Is DTC B1806 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the passenger's airbag module connector (AB9). 3) Connect the battery negative terminal, and clear the memory. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1806 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag Module.>	Go to step 5.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CG:DTC B1807 SHORT IN PASSENGER'S AIRBAG (TO GROUND)

DTC DETECTING CONDITION:

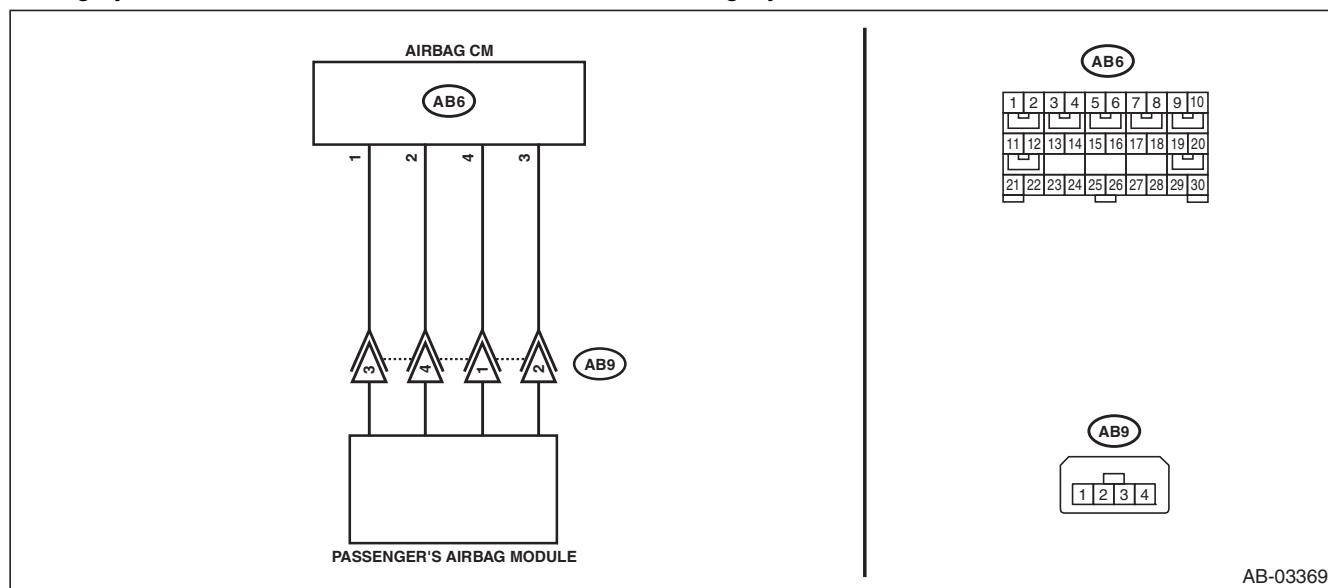
- Airbag main harness circuit is shorted to ground.
- Airbag module harness (passenger's side) circuit is shorted to ground.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the connector (AB9) and chassis ground. <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> (AB9) No. 1 — Chassis ground: (AB9) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 2) Using a probe, short the terminals No. 1 and No. 2 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> (AB9) No. 1 — (AB9) No. 2: 3) Connect the battery ground terminal and turn the ignition switch to ON. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1807 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Release the short circuit of connector (AB9). 3) Connect the passenger's airbag module connector (AB9). 4) Connect the connectors (AB7) and (AB2). 5) Connect the connector (AB66) to the driver's knee airbag module. 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Perform the Inspection Mode. 8) Read the DTC. (Current malfunction)	Is DTC B1807 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag Module.>	Go to step 5.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

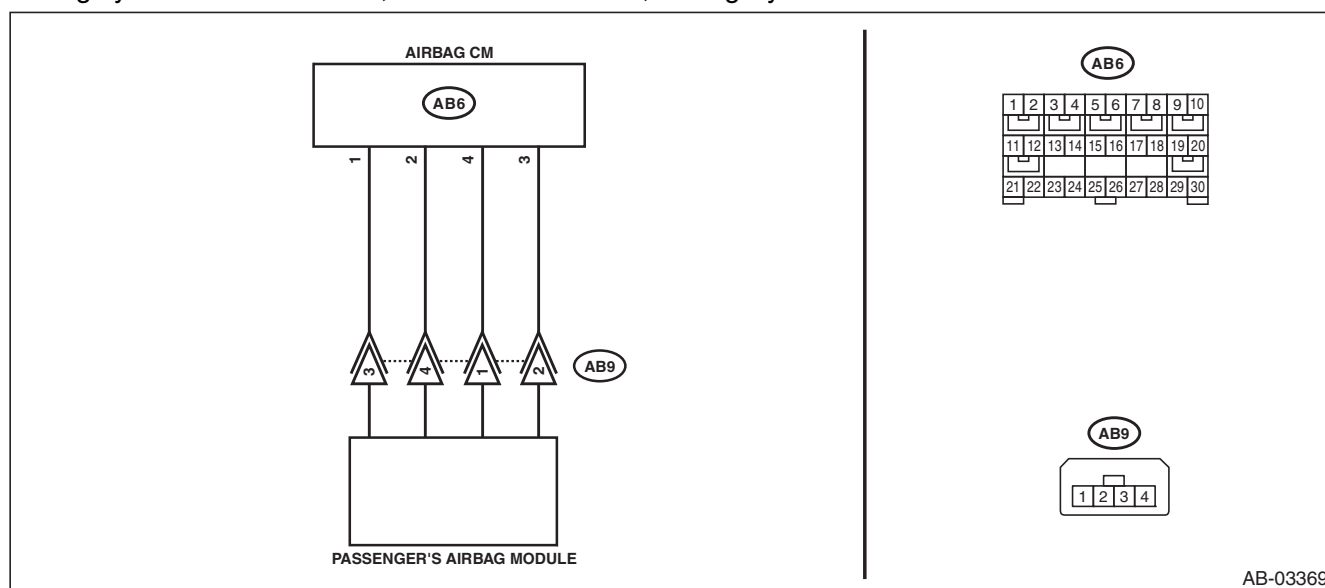
- Airbag main harness circuit is shorted to power supply.
- Airbag module harness (passenger's side) circuit is shorted to power supply.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03369

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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the voltage between the connector (AB9) and chassis ground. <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the voltage, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 1 (+) — Chassis ground (-): (AB9) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 3) Using a probe, short the terminals No. 1 and No. 2 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 1 — (AB9) No. 2: 4) Connect the battery ground terminal and turn the ignition switch to ON. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is DTC B1808 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Release the short circuit of connector (AB9). 3) Connect the passenger's airbag module connector (AB9). 4) Connect the connectors (AB7) and (AB2). 5) Connect the connector (AB66) to the driver's knee airbag module. 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Perform the Inspection Mode. 8) Read the DTC. (Current malfunction)	Is DTC B1808 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

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

CAUTION:

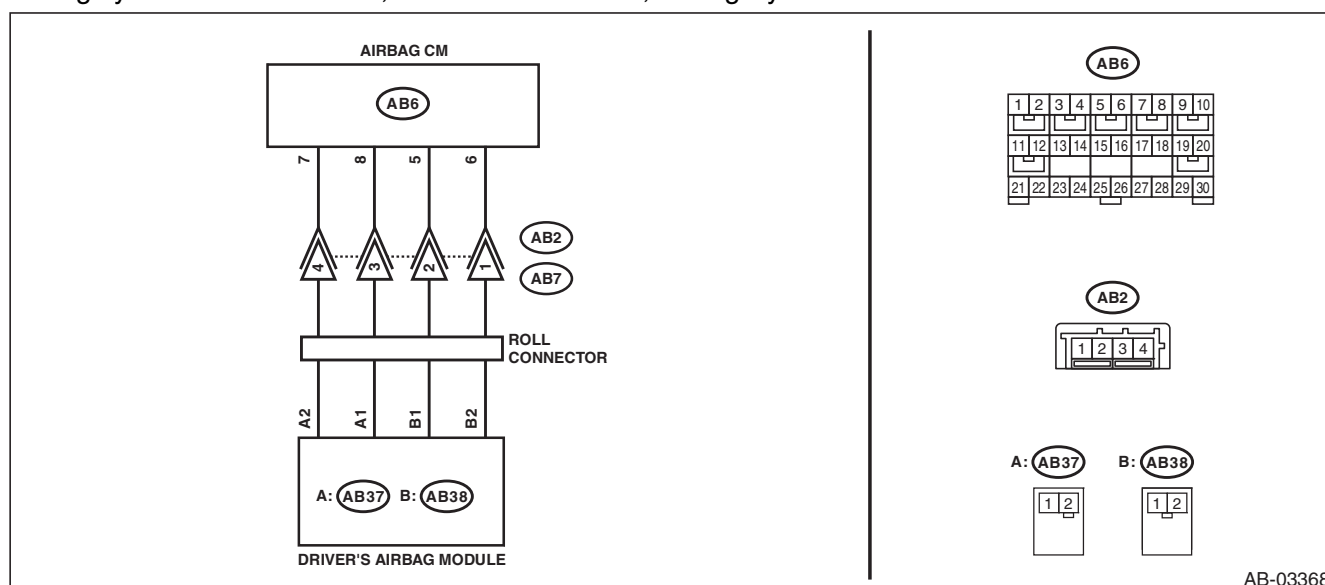
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the console front panel and disconnect the connector (AB9). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 6) Measure the resistance between connector (2N) terminals in test harness N. Connector & terminal (2N) No. 1 — (2N) No. 2:	Is the resistance 1 MΩ or more?	Go to step 5.	Go to step 4.
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 2) Disconnect the test harness Q from connector (AB37). 3) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 2 — (3AG) No. 4:	Is the resistance 1 MΩ or more?	Replace the roll connector. <Ref. to AB-98, Roll Connector.>	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

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DTC DETECTING CONDITION:

- CAUTION:**

NOTE:

WIRING DIAGRAM:

AIRBAG CM

AB6

7 8 5 6

4 3 2 1

AB2

AB7

ROLL CONNECTOR

A2 A1 B1 B2

DRIVER'S AIRBAG MODULE

A: AB37 B: AB38

AB6

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30

AB2

1	2	3	4
---	---	---	---

A: AB37 **B: AB38**

1	2
---	---

1	2
---	---

AB-03368

AB(diag)-109

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR AND AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the console front panel and disconnect the connector (AB9). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the airbag resistor from the connector (2N) in test harness N. 5) Disconnect the airbag resistor from the connector (2Q) of test harness Q. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Measure the resistance between connector (2N) terminals in test harness N. Connector & terminal (2N) No. 1 — (2N) No. 2:	Is the resistance less than 10 Ω ?	Go to step 5.	Go to step 4.
4 CHECK ROLL CONNECTOR. 1) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 2) Measure the resistance between connector (2N) terminals in test harness N. Connector & terminal (2N) No. 1 — (2N) No. 2:	Is the resistance less than 10 Ω ?	Replace the airbag main harness along with body harness.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

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

CAUTION:

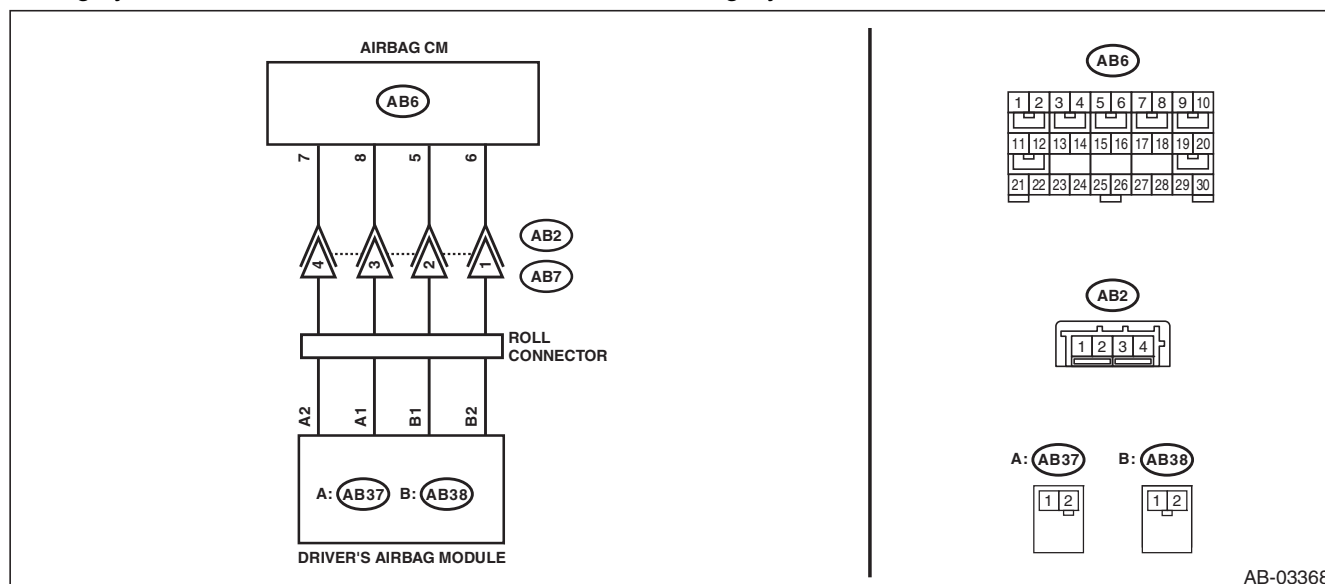
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Measure the resistance between connector (2N) in the test harness N and chassis ground. <i>Connector & terminal</i> <i>(2N) No. 1 — Chassis ground:</i> <i>(2N) No. 2 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Disconnect the test harness N from connector (AB38). 2) Disconnect the test harness Q from connector (AB37). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 5) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(3AG) No. 2 — Chassis ground:</i> <i>(3AG) No. 4 — 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) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CL:DTC B1813 SHORT IN DRIVER'S AIRBAG DUAL STAGE - 2ND STEP CIRCUIT (TO +B)

DTC DETECTING CONDITION:

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

CAUTION:

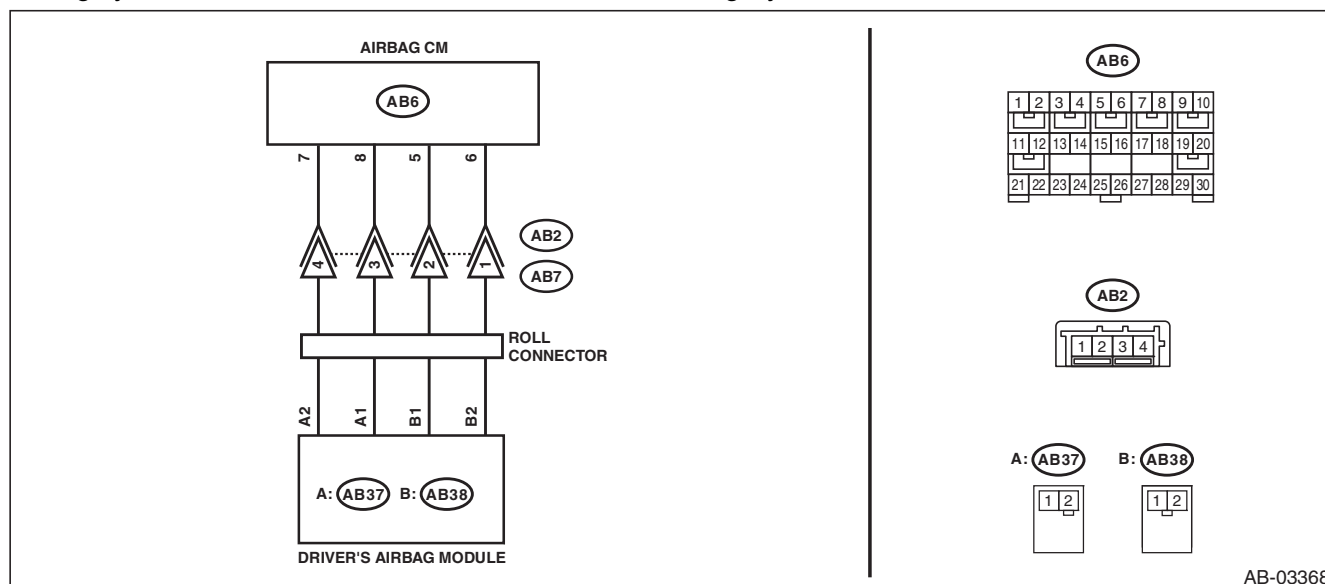
Before performing diagnosis, refer to "CAUTION" in "General Description". <Ref. to AB(diag)-4, CAUTION, General Description.>

NOTE:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03368

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.	Replace the airbag harness.	Go to step 2.
2	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the driver's airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB38). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the connector (1Q) in the test harness Q to connector (AB37). 6) Connect the airbag resistor to the connector (2Q) in the test harness Q. 7) Connect the battery ground terminal and turn the ignition switch to ON.	Replace the driver's airbag module. <Ref. to AB-37, Driver's Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK ROLL CONNECTOR. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the airbag resistor from the connector (2N) in test harness N and from the connector (2Q) in test harness Q. 5) Measure the voltage between connector (2N) in the test harness N and chassis ground. Connector & terminal (2N) No. 1 (+) — Chassis ground (-): (2N) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the roll connector. <Ref. to AB-98, Roll Connector.>
4 CHECK AIRBAG MAIN HARNESS (DRIVER'S AIRBAG HARNESS). 1) Disconnect the test harness N from connector (AB38). 2) Disconnect the test harness Q from connector (AB37). 3) Remove the console front panel and disconnect the connector (AB9). 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 5) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 2 (+) — Chassis ground (-): (3AG) No. 4 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 5.	Replace the airbag main harness along with body harness.
5 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

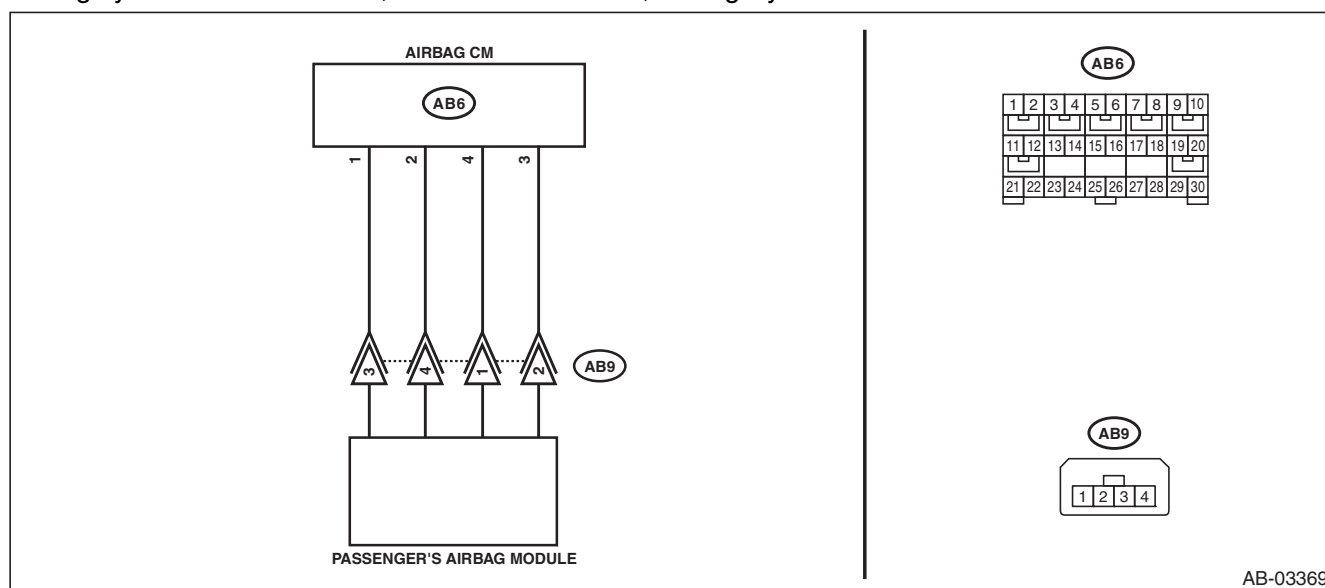
- Airbag main harness circuit is shorted.
- Airbag module harness circuit (passenger's side) is shorted.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, connect the connector (1AG) in the test harness AG, and release the short mechanism of the connectors (AB6, AB17, AB18). 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the terminals of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 3 — (AB9) No. 4:	Is the resistance 1 MΩ or more?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Disconnect the test harness AG from the connectors (AB6, AB17, AB18). 2) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 3) Connect the connectors (AB7) and (AB2). 4) Connect the connector (AB66) to the driver's knee airbag module. 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Perform the Inspection Mode. 7) Read the DTC. (Current malfunction)	Is DTC B1815 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the passenger's airbag module connector (AB9). 3) Connect the battery ground terminal and turn the ignition switch to ON. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1815 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

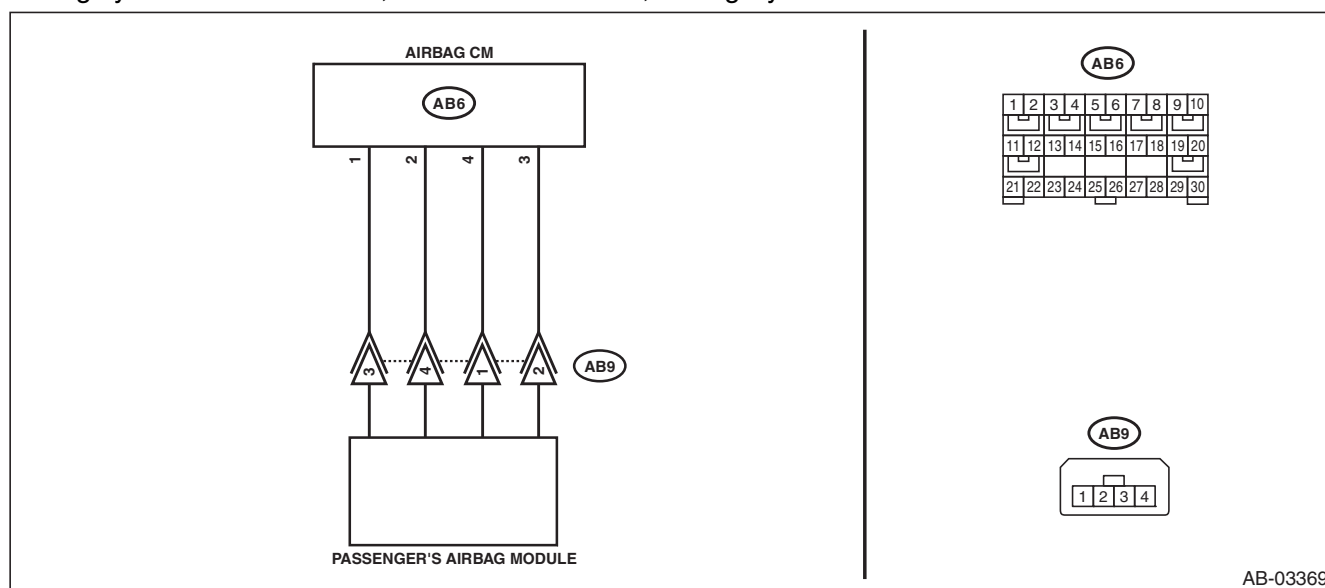
- Airbag main harness circuit is open.
- Airbag module harness (passenger's side) circuit is open.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the terminals of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 3 — (AB9) No. 4:	Is the resistance less than 10 Ω ?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 2) Connect the connectors (AB7) and (AB2). 3) Connect the connector (AB66) to the driver's knee airbag module. 4) Using a probe, short the terminals No. 3 and No. 4 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. Connector & terminal (AB9) No. 3 — (AB9) No. 4: 5) Connect the battery ground terminal and turn the ignition switch to ON. 6) Perform the Inspection Mode. 7) Read the DTC. (Current malfunction)	Is DTC B1816 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the passenger's airbag module connector (AB9). 3) Connect the battery ground terminal and turn the ignition switch to ON. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1816 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag Module.>	Go to step 5.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

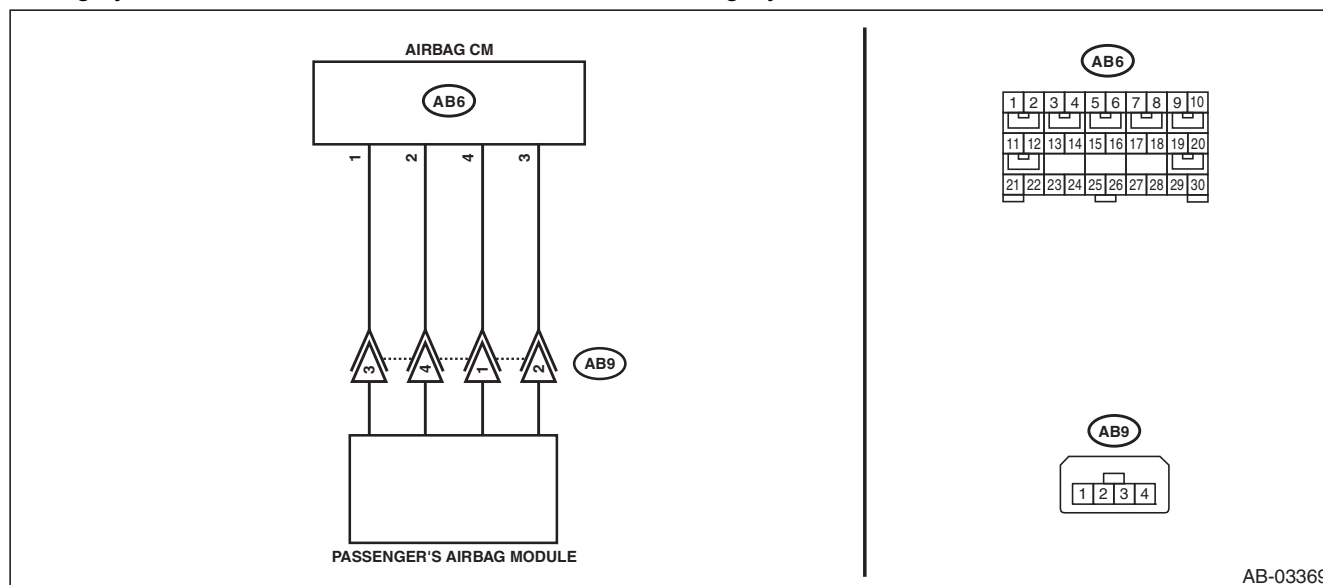
- Airbag main harness circuit is shorted to ground.
- Airbag module harness (passenger's side) circuit is shorted to ground.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the resistance between the connector (AB9) and chassis ground. <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the resistance, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> (AB9) No. 3 — Chassis ground: (AB9) No. 4 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 2) Using a probe, short the terminals No. 3 and No. 4 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> (AB9) No. 3 — (AB9) No. 4: 3) Connect the battery ground terminal and turn the ignition switch to ON. 4) Perform the Inspection Mode. 5) Read the DTC. (Current malfunction)	Is DTC B1817 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Release the short circuit of connector (AB9). 3) Connect the passenger's airbag module connector (AB9). 4) Connect the connectors (AB7) and (AB2). 5) Connect the connector (AB66) to the driver's knee airbag module. 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Perform the Inspection Mode. 8) Read the DTC. (Current malfunction)	Is DTC B1817 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag Module.>	Go to step 5.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

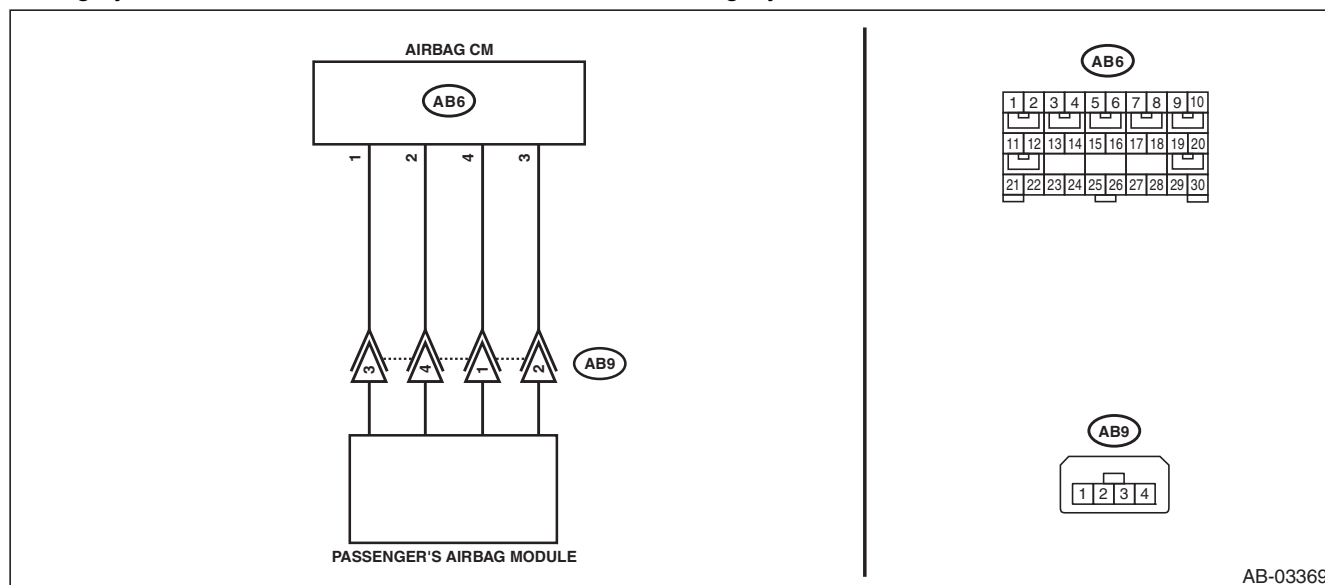
- Airbag main harness circuit is shorted to power supply.
- Airbag module harness (passenger's side) circuit is shorted to power supply.
- Passenger's airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag harness.	Go to step 2.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
2 CHECK AIRBAG MAIN HARNESS (PASSENGER'S AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connectors (AB7) and (AB2). 3) Disconnect the connector (AB66) from the driver's knee airbag module. 4) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 5) Disconnect the passenger's airbag module connector (AB9). 6) Using a probe, measure the voltage between the connector (AB9) and chassis ground. <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When measuring the voltage, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> <i>(AB9) No. 3 (+) — Chassis ground (-):</i> <i>(AB9) No. 4 (+) — Chassis ground (-):</i>	Is the voltage less than 1 V?	Go to step 3.	Replace the airbag main harness along with body harness.
3 CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Connect the connectors (AB6, AB17, AB18) and the airbag control module. 3) Using a probe, short the terminals No. 3 and No. 4 of connector (AB9). <Ref. to AB(diag)-12, HOW TO USE PROBE, PREPARATION TOOL, General Description.> CAUTION: When shorting the terminals, make sure that the probe is inserted from the back side (harness side) of the connector. Also, do not insert the probe forcibly. <i>Connector & terminal</i> <i>(AB9) No. 3 — (AB9) No. 4:</i> 4) Connect the battery ground terminal and turn the ignition switch to ON. 5) Perform the Inspection Mode. 6) Read the DTC. (Current malfunction)	Is DTC B1818 displayed?	Replace the airbag control module. <Ref. to AB-75, REMOVAL, Airbag Control Module.>	Go to step 4.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
4 CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Release the short circuit of connector (AB9). 3) Connect the passenger's airbag module connector (AB9). 4) Connect the connectors (AB7) and (AB2). 5) Connect the connector (AB66) to the driver's knee airbag module. 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Perform the Inspection Mode. 8) Read the DTC. (Current malfunction)	Is DTC B1818 displayed?	Replace the passenger's airbag module. <Ref. to AB-42, REMOVAL, Passenger's Airbag 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CQ:DTC B1820 SHORT IN SIDE AIRBAG RH

DTC DETECTING CONDITION:

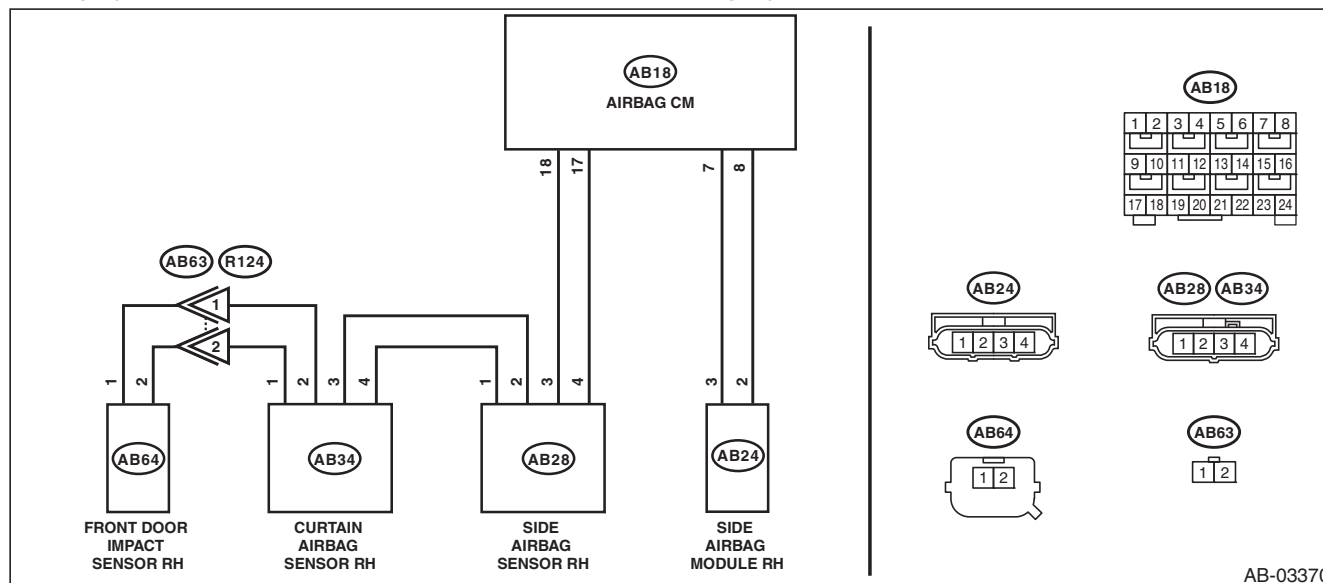
- Side airbag harness RH circuit is shorted.
- Side airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module RH and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB24) from the side airbag module RH, and connect the connector (1AJ) in the test harness AJ to connector (AB24). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module RH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB33) from curtain airbag module RH. 5) Disconnect the airbag resistor from test harness AJ. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground. <i>Connector & terminal</i> <i>(3AJ) No. 1 — (3AJ) No. 2:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CR:DTC B1821 OPEN IN SIDE AIRBAG RH

DTC DETECTING CONDITION:

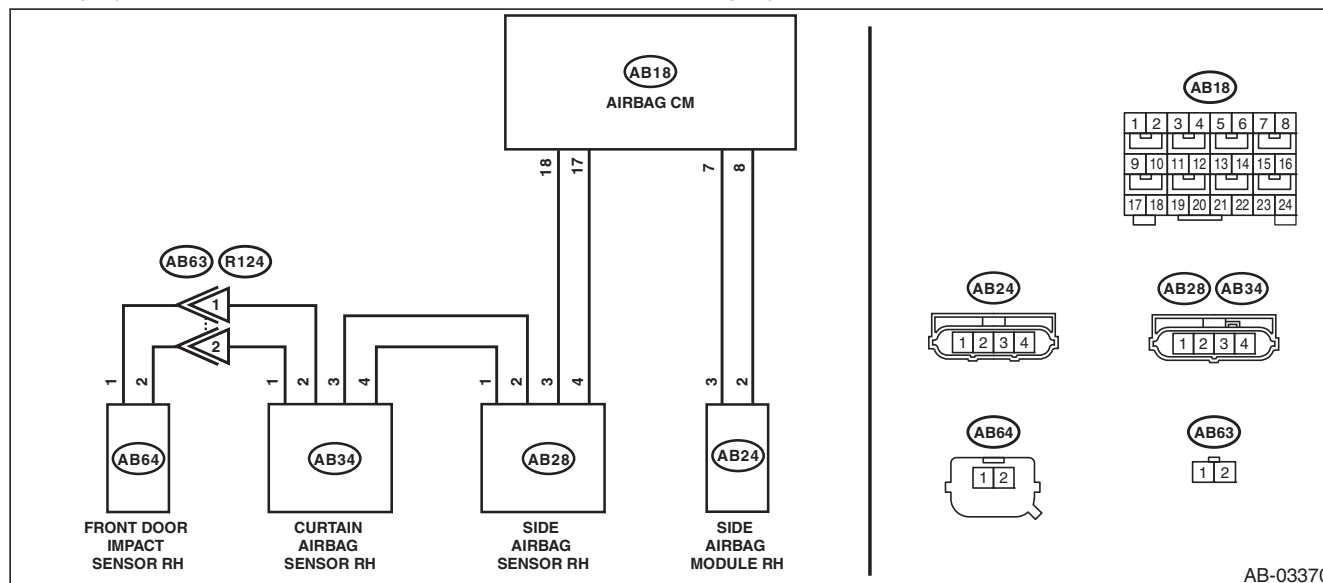
- Side airbag harness RH circuit is open.
- Side airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03370

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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB24) from the side airbag module RH, and connect the connector (1AJ) in the test harness AJ to connector (AB24). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the side airbag module RH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB33) from curtain airbag module RH. 5) Disconnect the airbag resistor from test harness AJ. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector in the test harness AG and connector in the test harness AJ. Connector & terminal (5AG) No. 5 — (3AJ) No. 1: (5AG) No. 7 — (3AJ) No. 2:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CS:DTC B1822 SHORT IN SIDE AIRBAG RH (TO GROUND)

DTC DETECTING CONDITION:

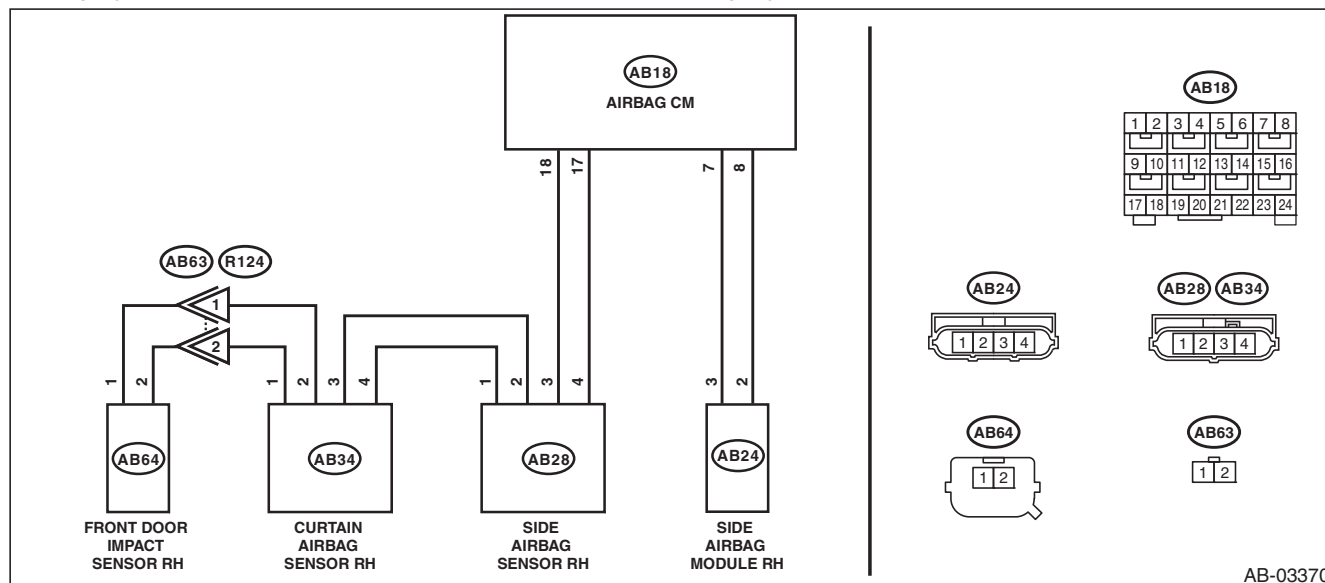
- Side airbag harness RH circuit is shorted to ground.
- Side airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module RH and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB24), and connect the connector (1AJ) in test harness AJ to connector (AB24). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the side airbag module RH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB33) from curtain airbag module RH. 5) Disconnect the airbag resistor from test harness AJ. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground. <i>Connector & terminal</i> <i>(3AJ) No. 1 — Chassis ground:</i> <i>(3AJ) No. 2 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

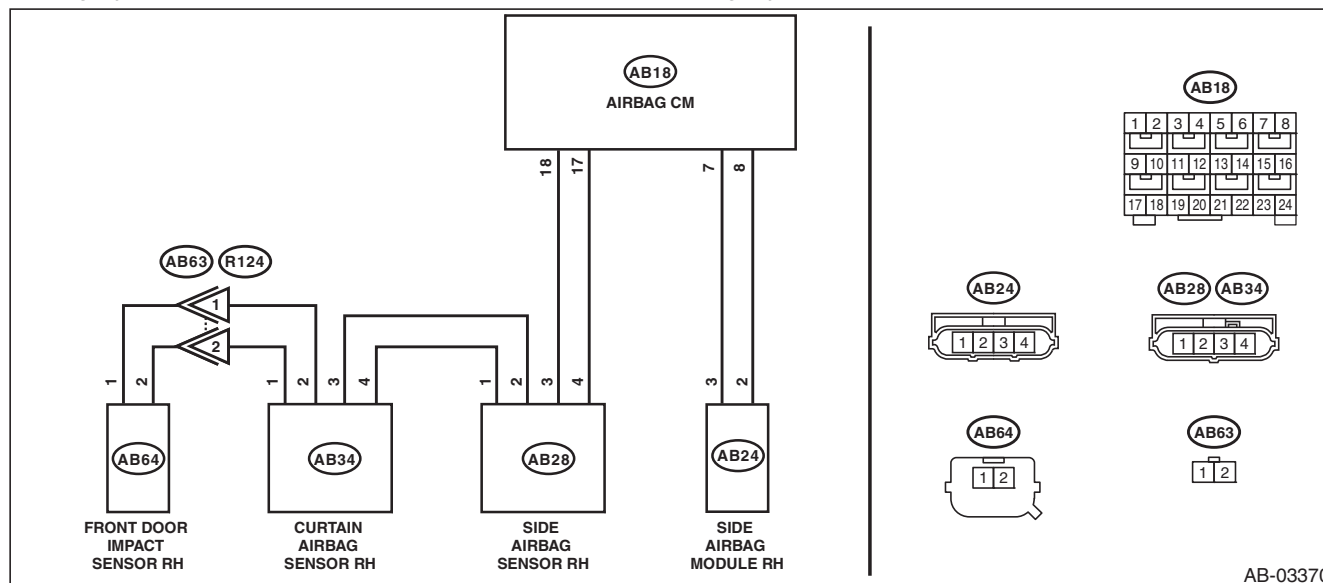
- Side airbag harness RH is shorted to power supply.
- Side airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03370

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module RH and the side airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB24), and connect the connector (1AJ) in test harness AJ to connector (AB24). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the side airbag module RH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB33) from curtain airbag module RH. 5) Disconnect the airbag resistor from test harness. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Connect the battery ground terminal and turn the ignition switch to ON. 9) Measure the voltage between connector (3AJ) in the test harness AJ and chassis ground. Connector & terminal (3AJ) No. 1 (+) — Chassis ground (-): (3AJ) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CU:DTC B1825 SHORT IN SIDE AIRBAG LH

DTC DETECTING CONDITION:

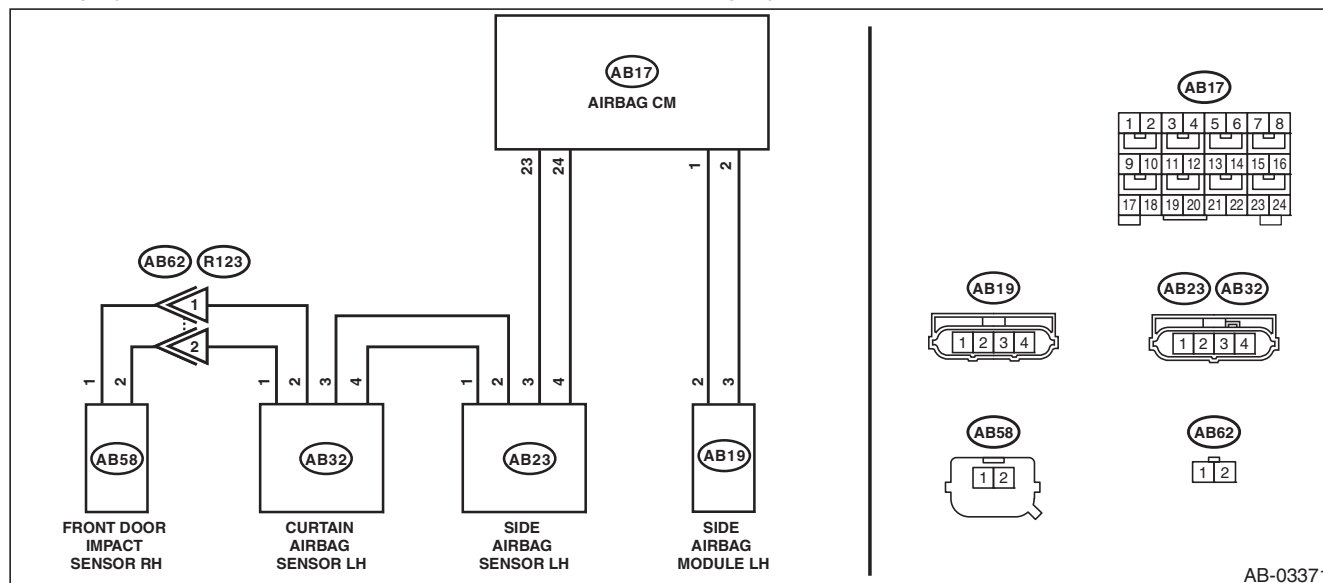
- Side airbag harness LH circuit is shorted.
- Side airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03371

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB19) from the side airbag module LH, and connect the connector (1AJ) in test harness AJ to the connector (AB19). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module LH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the airbag resistor from test harness AJ. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (3AJ) terminals in test harness AJ. Connector & terminal (3AJ) No. 1 — (3AJ) No. 2:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CV:DTC B1826 OPEN IN SIDE AIRBAG LH

DTC DETECTING CONDITION:

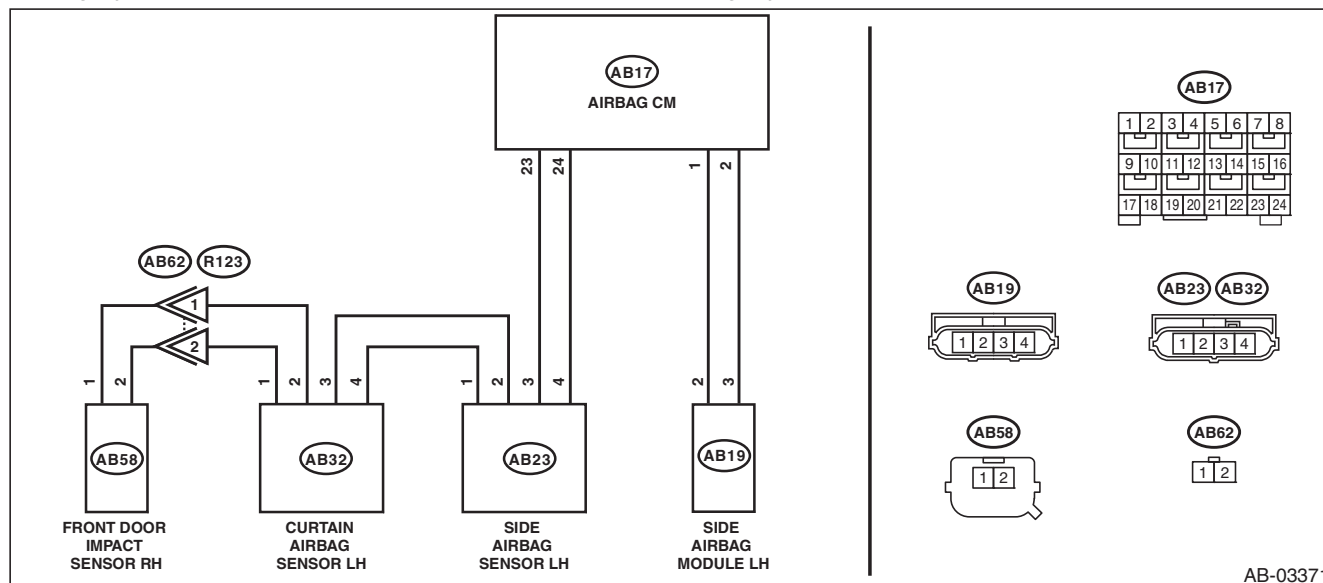
- Side airbag harness LH circuit is open.
- Side airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, side airbag module LH and the side airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB19) from the side airbag module LH, and connect the connector (1AJ) in test harness AJ to the connector (AB19). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the side airbag module LH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the airbag resistor from test harness AJ. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (4AG) or (5AG) in the test harness AG and connector (3AJ) in the test harness AJ. Connector & terminal (5AG) No. 1 — (3AJ) No. 2: (5AG) No. 3 — (3AJ) No. 1:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CW:DTC B1827 SHORT IN SIDE AIRBAG LH (TO GROUND)

DTC DETECTING CONDITION:

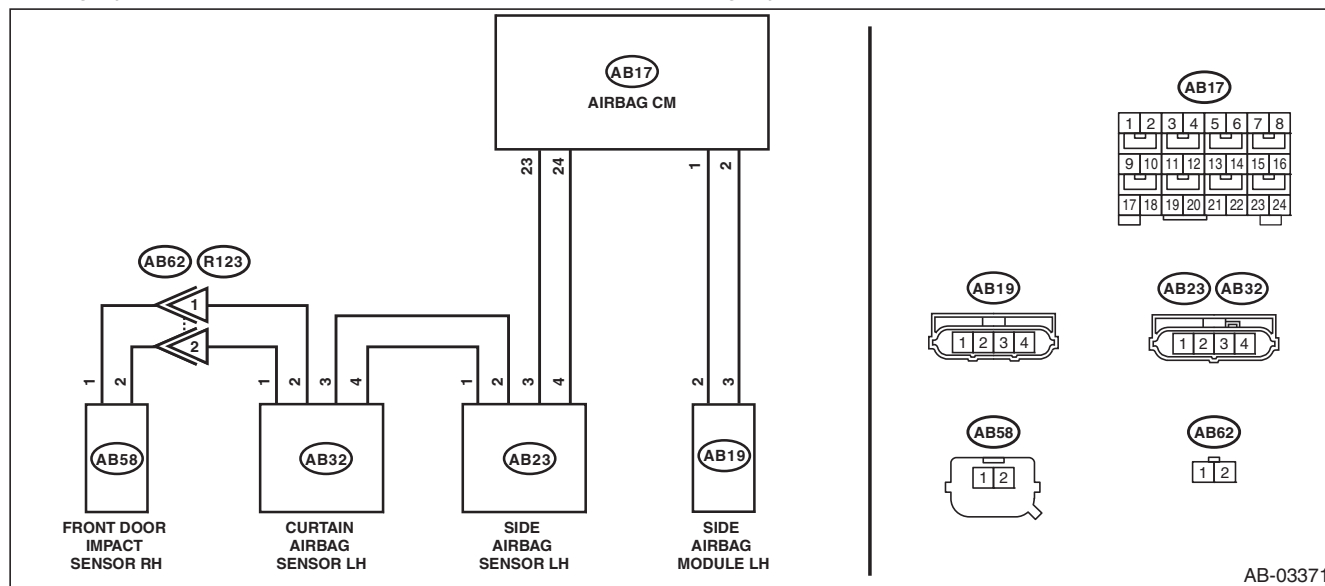
- Side airbag harness LH circuit is shorted to ground.
- Side airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB19), and connect the connector (1AJ) in test harness AJ to connector (AB19). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the side airbag module LH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the airbag resistor from test harness. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (3AJ) in the test harness AJ and chassis ground. Connector & terminal (3AJ) No. 1 — Chassis ground: (3AJ) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.



Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

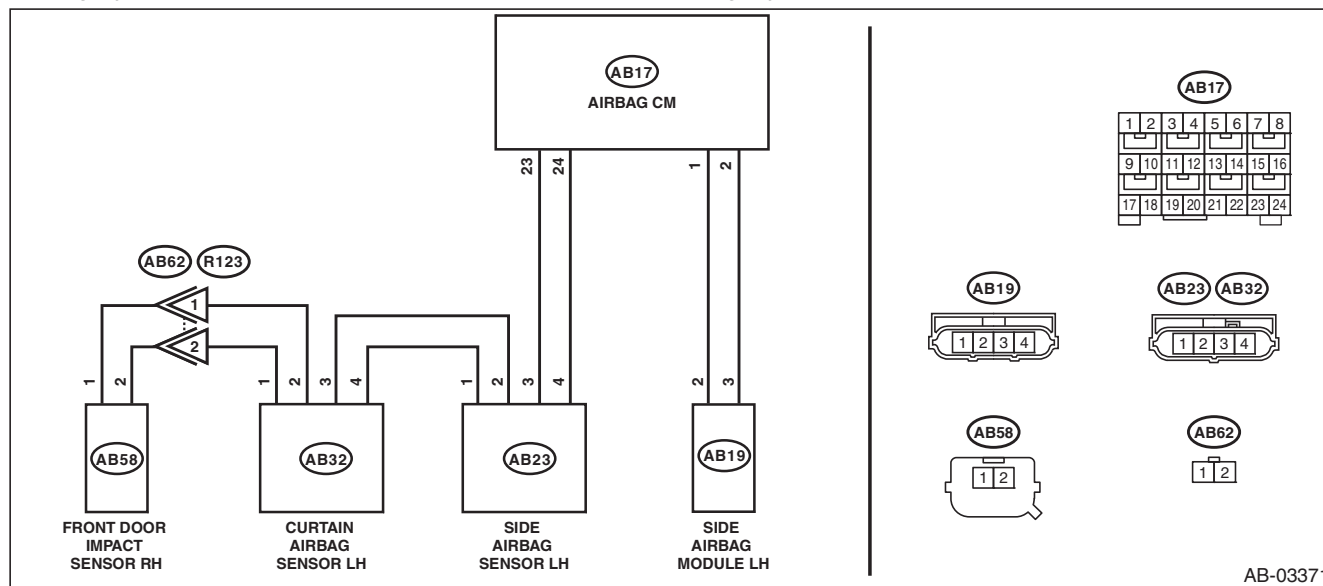
- Side airbag harness LH is shorted to power supply.
- Side airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SIDE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB19), and connect the connector (1AJ) in test harness AJ to connector (AB19). 3) Connect the airbag resistor to the test harness AJ connector (3AJ). 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the side airbag module LH. <Ref. to AB-63, REMOVAL, Side Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB31) from curtain airbag module LH. 4) Disconnect the airbag resistor from test harness. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Connect the battery ground terminal and turn the ignition switch to ON. 8) Measure the voltage between connector (3AJ) in the test harness AJ and chassis ground. Connector & terminal (3AJ) No. 1 (+) — Chassis ground (-): (3AJ) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CY:DTC B1830 SHORT IN CURTAIN AIRBAG RH SQUIB CIRCUIT

DTC DETECTING CONDITION:

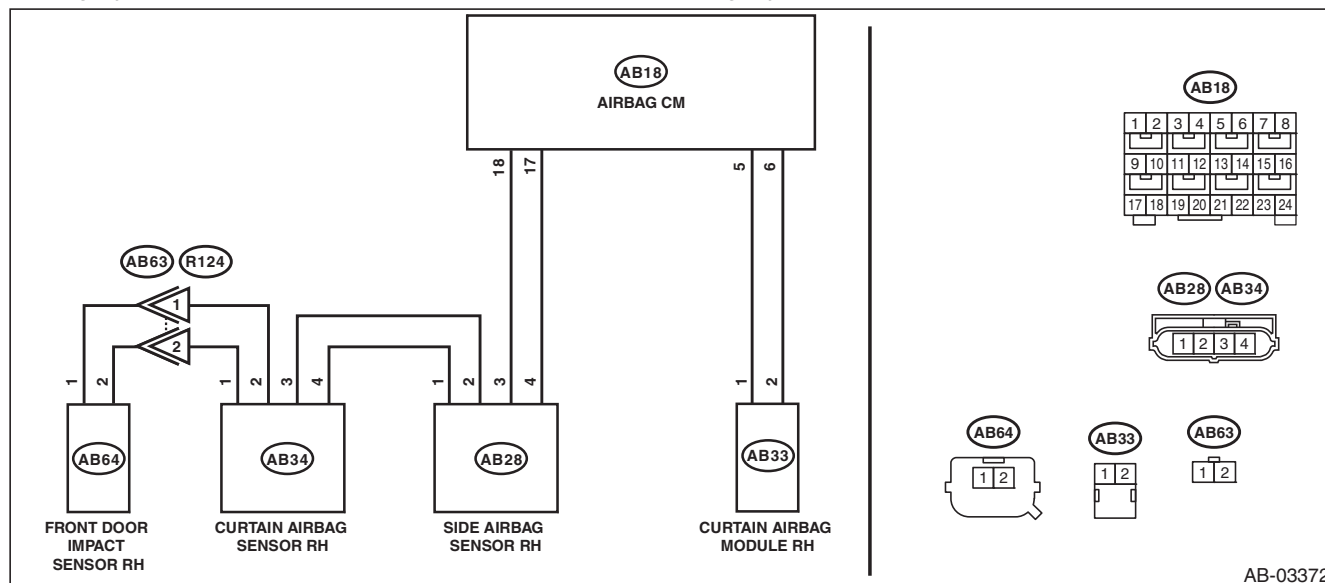
- Curtain airbag harness RH circuit is shorted.
- Curtain airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03372

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB33) from curtain airbag module RH. 3) Connect the connector (1N) in the test harness N to the connector (AB33). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module RH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the airbag resistor from test harness N. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (2N) terminals in test harness N. Connector & terminal (2N) No. 1 — (2N) No. 2:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

CZ:DTC B1831 OPEN IN CURTAIN AIRBAG RH SQUIB CIRCUIT

DTC DETECTING CONDITION:

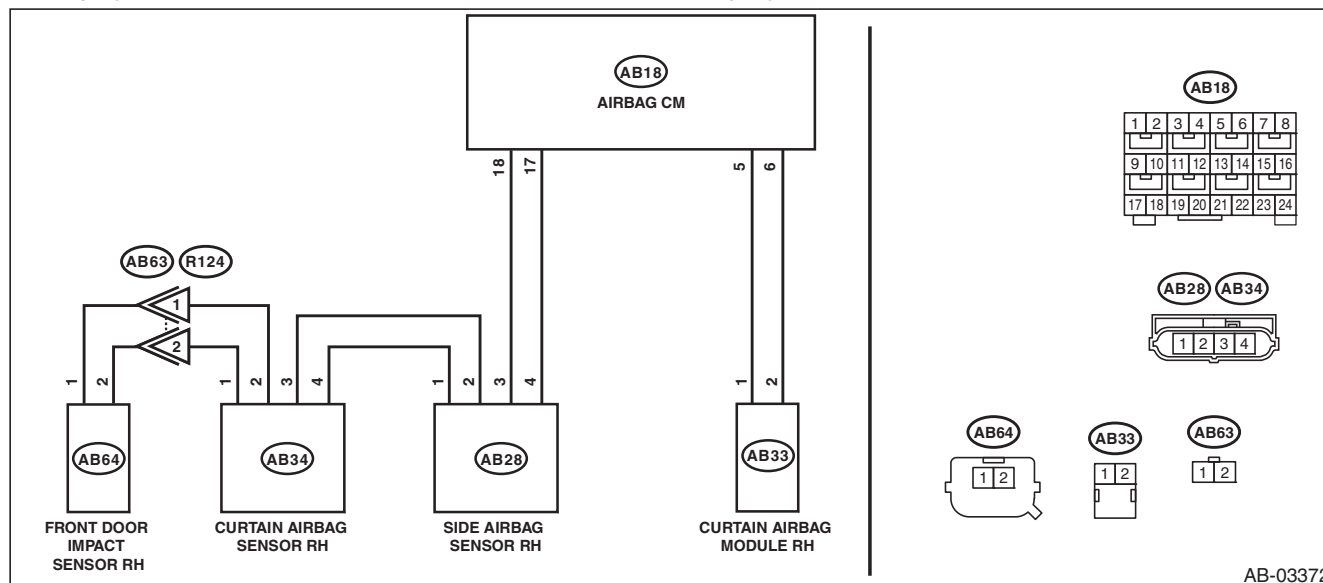
- Curtain airbag harness RH circuit is open.
- Curtain airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03372

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB33) from curtain airbag module RH. 3) Connect the connector (1N) in the test harness N to the connector (AB33). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module RH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the airbag resistor from test harness N. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (5AG) or (6AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (6AG) No. 8 — (2N) No. 1: (6AG) No. 6 — (2N) No. 2:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

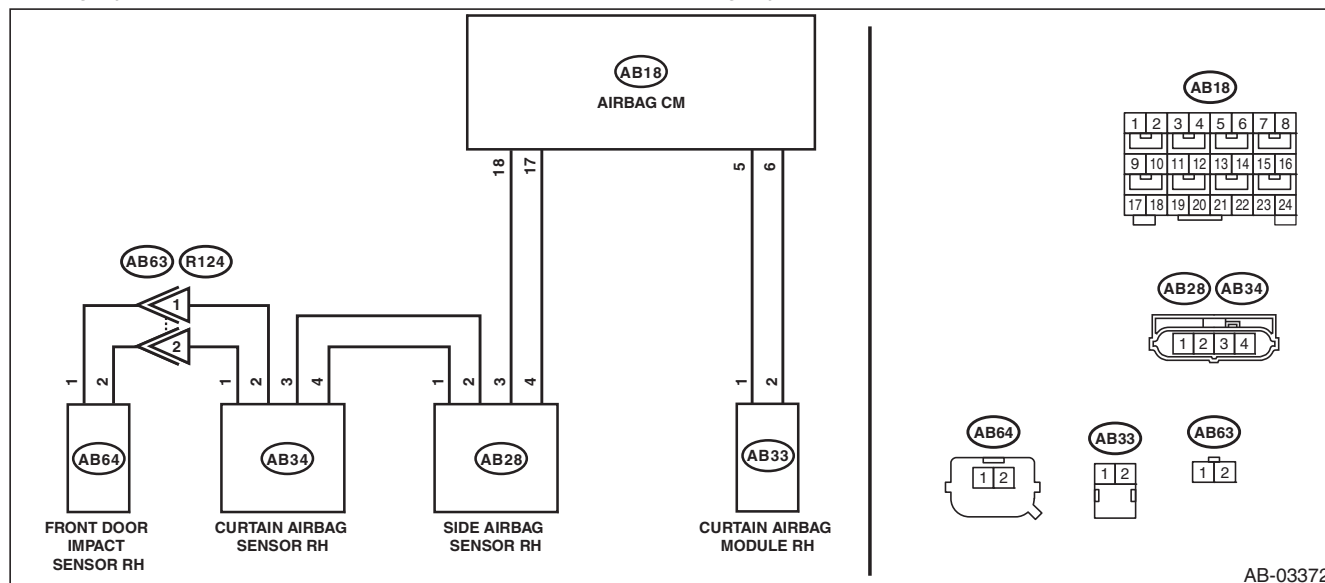
- Curtain airbag harness RH circuit is shorted to ground.
- Curtain airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03372

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB33), and connect the connector (1N) in test harness N to connector (AB33). 3) Connect the airbag resistor to the connector (2N) of test harness N. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module RH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the airbag resistor from test harness N. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (2N) in the test harness N and chassis ground. Connector & terminal (2N) No. 1 — Chassis ground: (2N) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

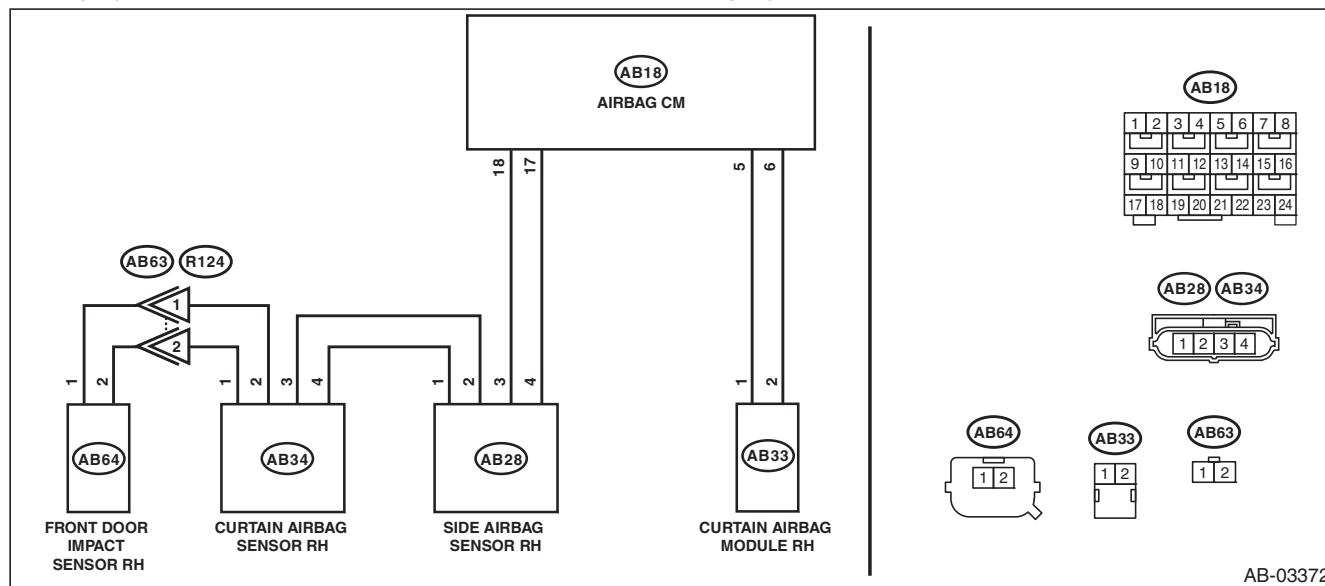
- Curtain airbag harness RH is shorted to power supply.
- Curtain airbag module RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03372

Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module RH and the curtain airbag sensor RH.	Is there poor contact?	Replace the airbag rear harness along with body harness.
2	CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB33), and connect the connector (1N) in test harness N to connector (AB33). 3) Connect the airbag resistor to the connector (2N) of test harness N. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module RH. <Ref. to AB-73, Curtain Airbag Module.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the airbag resistor from test harness N. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Connect the battery ground terminal and turn the ignition switch to ON. 9) Measure the voltage between connector (2N) in the test harness N and chassis ground. Connector & terminal (2N) No. 1 (+) — Chassis ground (-): (2N) No. 2 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DC:DTC B1835 SHORT IN CURTAIN AIRBAG LH SQUIB CIRCUIT

DTC DETECTING CONDITION:

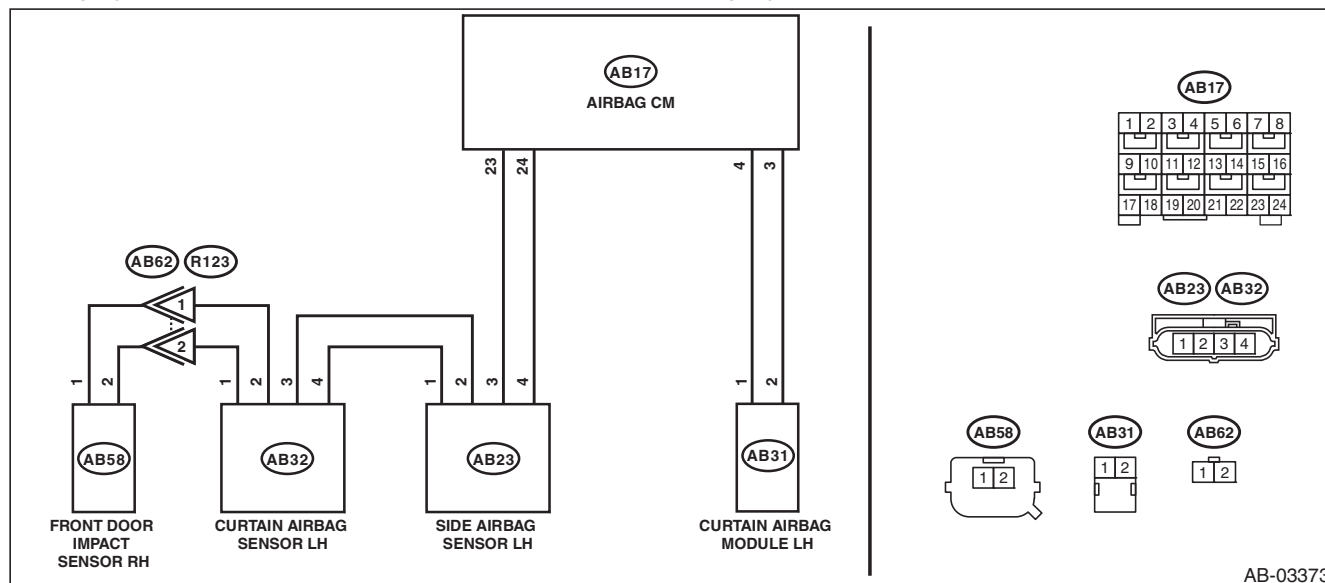
- Curtain airbag harness LH circuit is shorted.
- Curtain airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB31) from curtain airbag module LH. 3) Connect the connector (1N) in the test harness N to the connector (AB31). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module LH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the airbag resistor from test harness N. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (2N) terminals in test harness N. Connector & terminal (2N) No. 1 — (2N) No. 2:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DD:DTC B1836 OPEN IN CURTAIN AIRBAG LH SQUIB CIRCUIT

DTC DETECTING CONDITION:

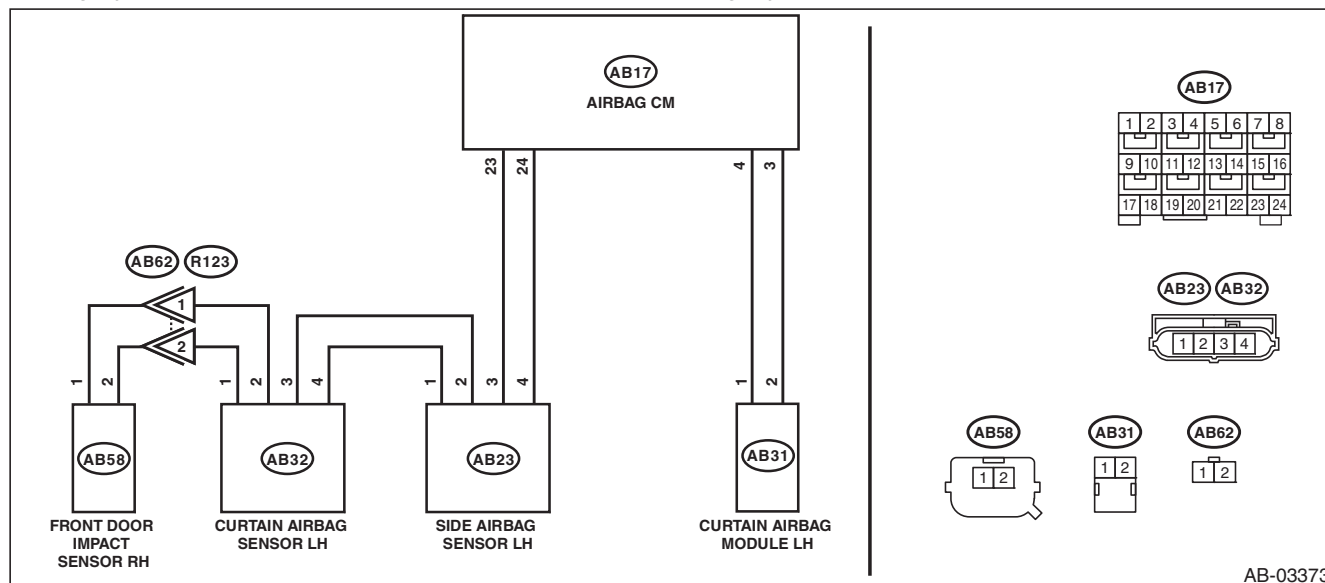
- Curtain airbag harness LH circuit is open.
- Curtain airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03373

Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB31) from curtain airbag module LH. 3) Connect the connector (1N) in the test harness N to the connector (AB31). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the curtain airbag module LH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the airbag resistor from test harness N. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (5AG) or (6AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (6AG) No. 1 — (2N) No. 2: (6AG) No. 3 — (2N) No. 1:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

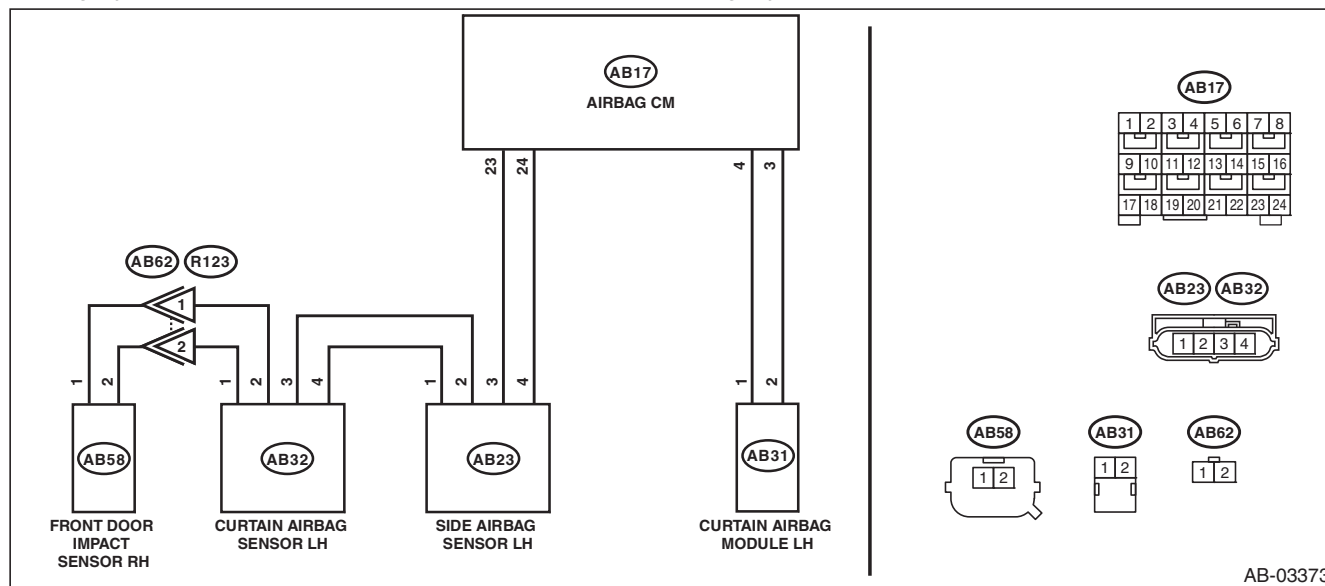
- Curtain airbag harness LH circuit is shorted to ground.
- Curtain airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB31), and connect the connector (1N) in test harness N to connector (AB31). 3) Connect the airbag resistor to the connector (2N) of test harness N. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module LH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURTAIN AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the airbag resistor from test harness N. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (2N) in the test harness N and chassis ground. Connector & terminal (2N) No. 1 — Chassis ground: (2N) No. 2 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

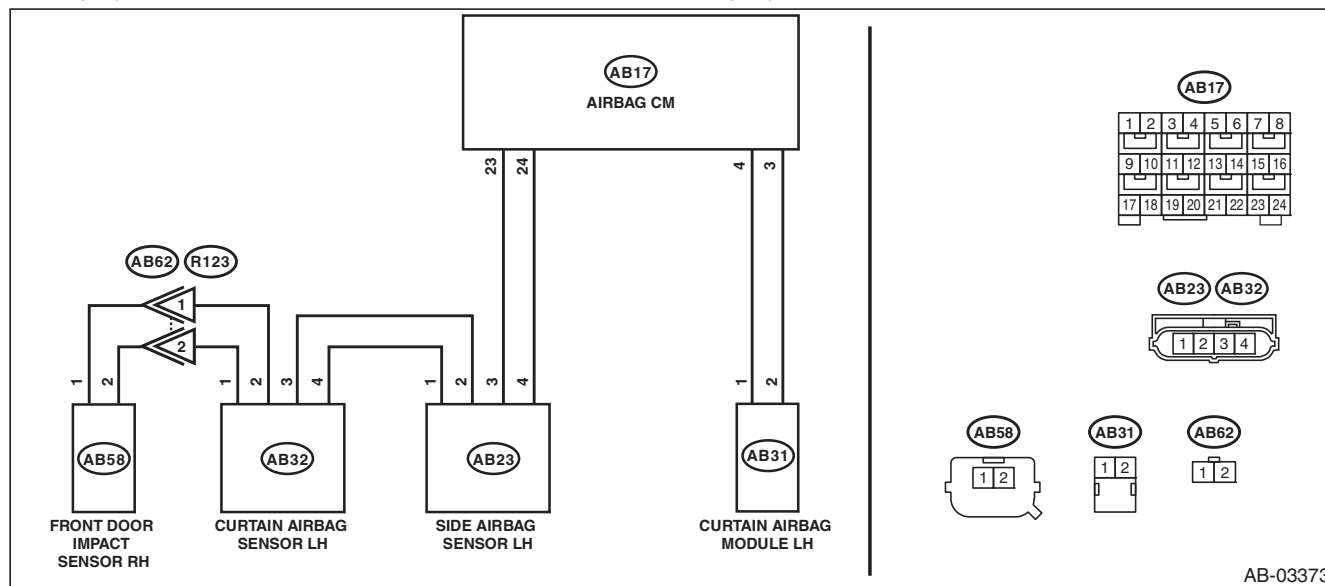
- Curtain airbag harness LH is shorted to power supply.
- Curtain airbag module LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module, curtain airbag module LH and the curtain airbag sensor LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK CURTAIN AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB31), and connect the connector (1N) in test harness N to connector (AB31). 3) Connect the airbag resistor to the connector (2N) of test harness N. 4) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the curtain airbag module LH. <Ref. to AB-73, Curtain Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (CURRENT AIRBAG MODULE HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the airbag resistor from test harness N. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Connect the battery ground terminal and turn the ignition switch to ON. 8) Measure the voltage between connector (2N) in the test harness N and chassis ground. Connector & terminal (2N) No. 1 (+) — Chassis ground (–): (2N) No. 2 (+) — Chassis ground (–):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DG:DTC B1860 SHORT IN DRIVER'S KNEE AIRBAG

DTC DETECTING CONDITION:

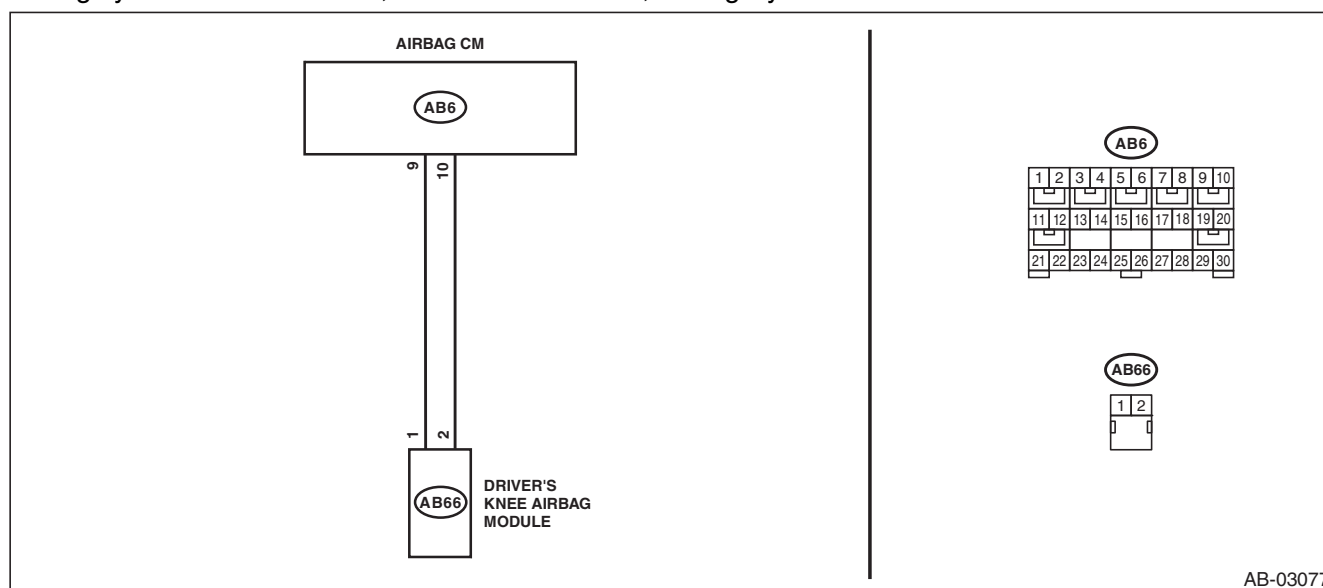
- Airbag main harness circuit is shorted.
- Knee airbag module harness circuit is shorted.
- Knee airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Is there poor contact?	Replace the airbag harness.	Go to step 2.
2 CHECK KNEE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB66) from knee airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB66). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the knee airbag module. <Ref. to AB-39, REMOVAL, Knee Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 4) Remove the console front panel and disconnect the connector (AB9). 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG to connectors (AB6, AB17, AB18). 6) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 14 — (3AG) No. 16:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DH:DTC B1861 OPEN IN DRIVER'S KNEE AIRBAG

DTC DETECTING CONDITION:

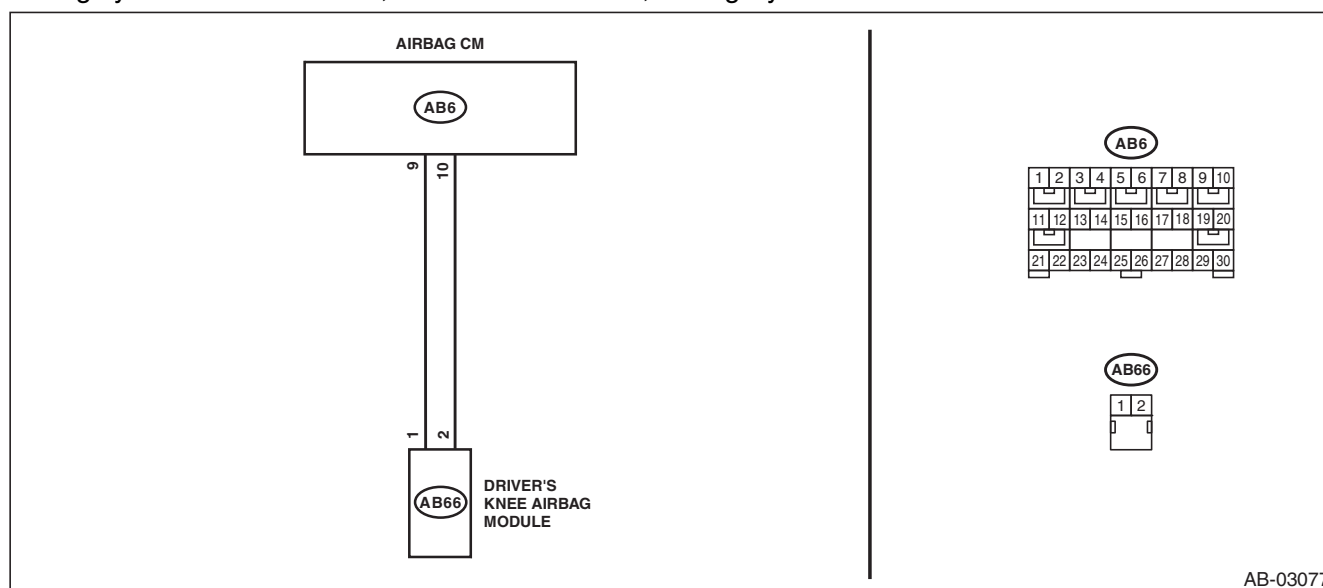
- Airbag main harness circuit is open.
- Knee airbag module harness circuit is open.
- Knee airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB66) from knee airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB66). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the knee airbag module. <Ref. to AB-39, REMOVAL, Knee Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 4) Remove the console front panel and disconnect the connector (AB9). 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG to connectors (AB6, AB17, AB18). 6) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (3AG) No. 14 — (2N) No. 2: (3AG) No. 16 — (2N) No. 1:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DI: DTC B1862 SHORT IN DRIVER'S KNEE AIRBAG (TO GROUND)

DTC DETECTING CONDITION:

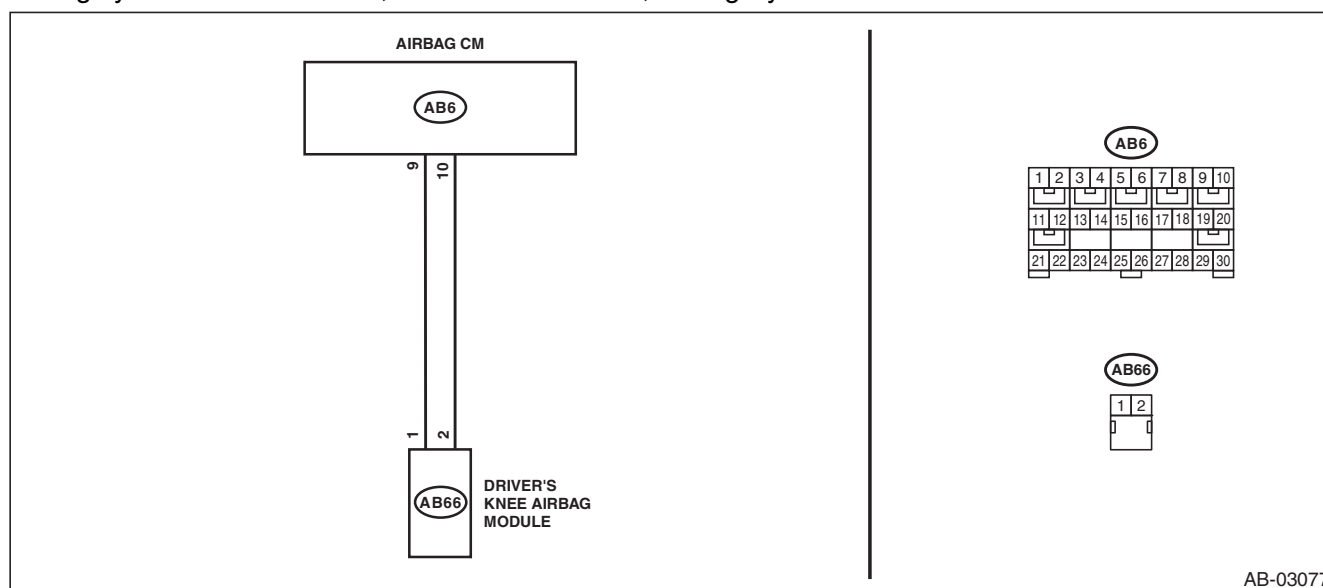
- Airbag main harness circuit is shorted to ground.
- Knee airbag module harness circuit is shorted to ground.
- Knee airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB66) from knee airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB66). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the knee airbag module. <Ref. to AB-39, REMOVAL, Knee Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 4) Remove the console front panel and disconnect the connector (AB9). 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG to connectors (AB6, AB17, AB18). 6) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 14 — Chassis ground: (3AG) No. 16 — Chassis ground:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag main harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

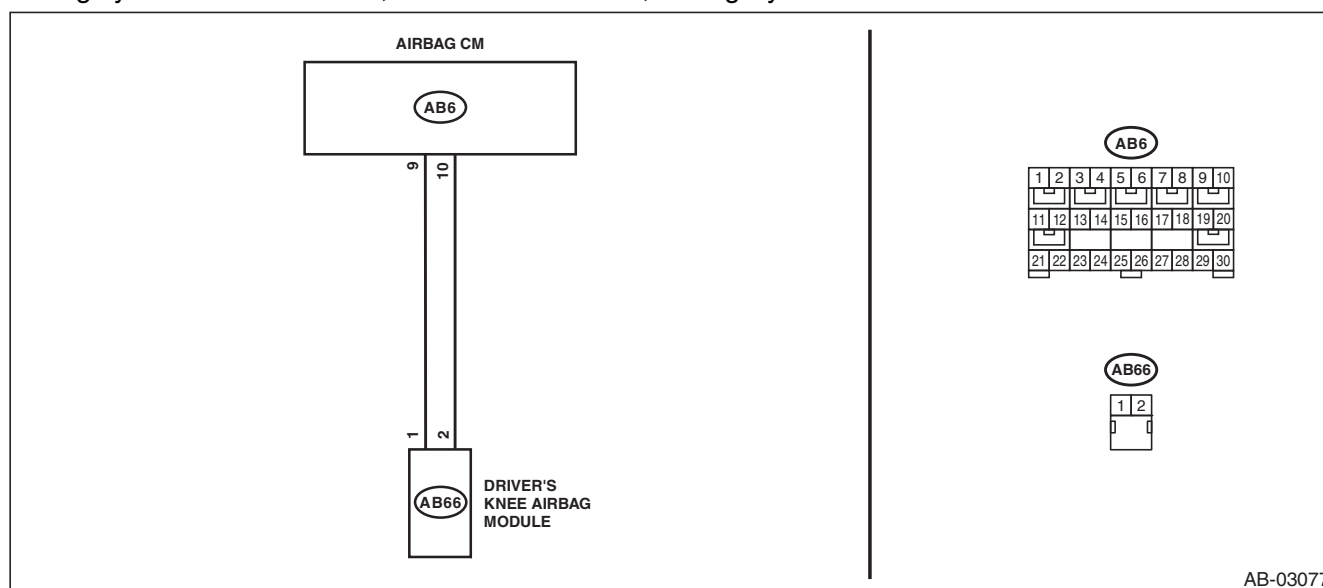
- Airbag main harness circuit is shorted to power supply.
- Knee airbag module harness circuit is shorted to power supply.
- Knee airbag module is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the knee airbag module.	Replace the airbag harness.	Go to step 2.
2	CHECK KNEE AIRBAG MODULE. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB66) from knee airbag module. 3) Connect the connector (1N) in the test harness N to the connector (AB66). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the knee airbag module. <Ref. to AB-39, REMOVAL, Knee Airbag Module.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG MAIN HARNESS (KNEE AIRBAG HARNESS). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Remove the instrument panel lower cover and column cover, and disconnect the connector (AB7) from (AB2). 4) Remove the console front panel and disconnect the connector (AB9). 5) Disconnect the connectors (AB6, AB17, AB18) from the airbag control module, and connect the connector (1AG) in the test harness AG. 6) Connect the battery ground terminal and turn the ignition switch to ON. 7) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 14 (+) — Chassis ground (-): (3AG) No. 16 (+) — Chassis ground (-):	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) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DK:DTC B1900 SHORT IN FRONT P/T RH

DTC DETECTING CONDITION:

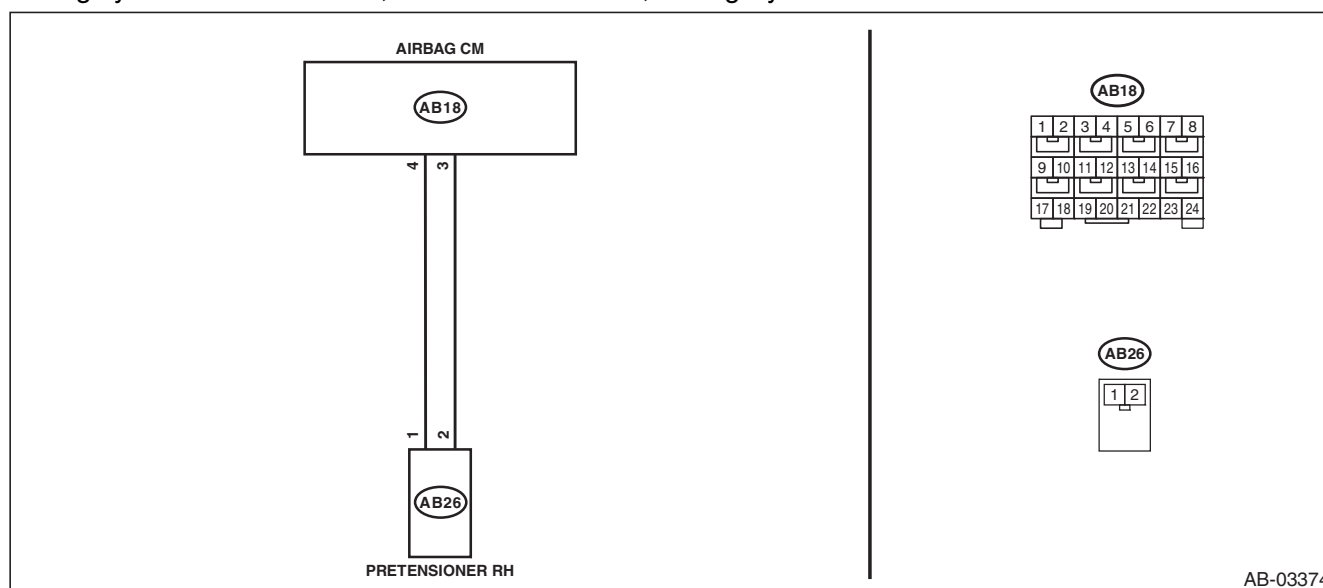
- Seat belt pretensioner RH circuit is shorted.
- Pretensioner RH is faulty.
- Pretensioner harness RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB26). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Replace the seat belt pretensioner RH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB33) from curtain airbag module RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 18 — (3AG) No. 20:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DL:DTC B1901 OPEN IN FRONT P/T RH

DTC DETECTING CONDITION:

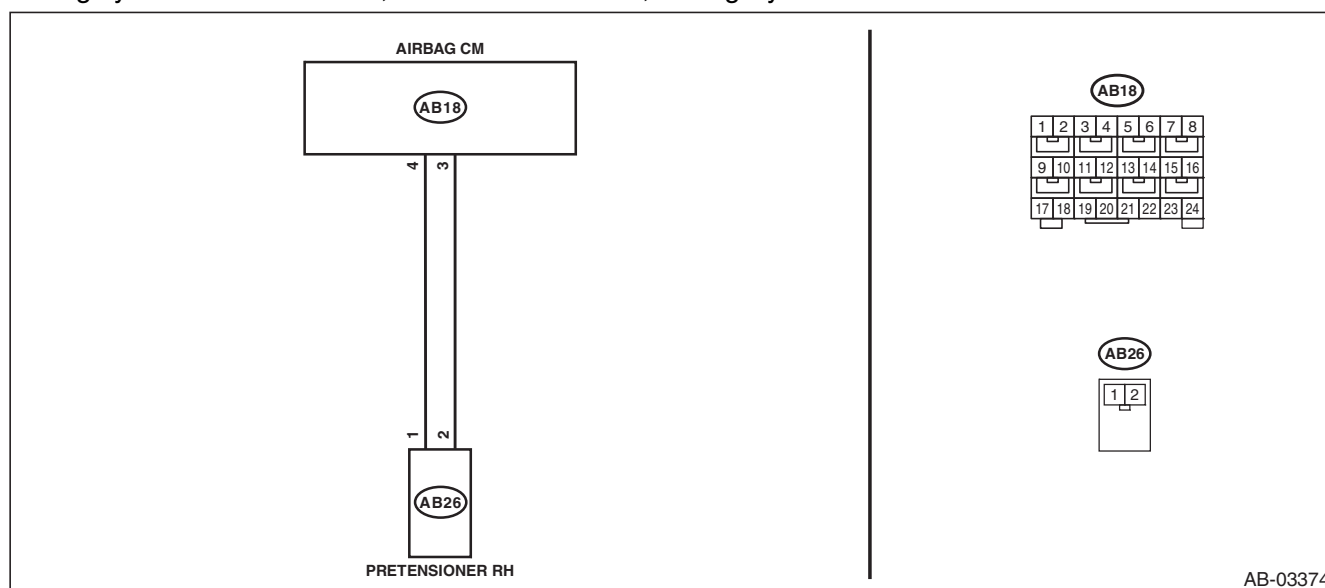
- Seat belt pretensioner RH circuit is open.
- Pretensioner RH is faulty.
- Pretensioner harness RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB26). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the seat belt pretensioner RH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB33) from curtain airbag module RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (3AG) No. 18 — (2N) No. 2: (3AG) No. 20 — (2N) No. 1:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

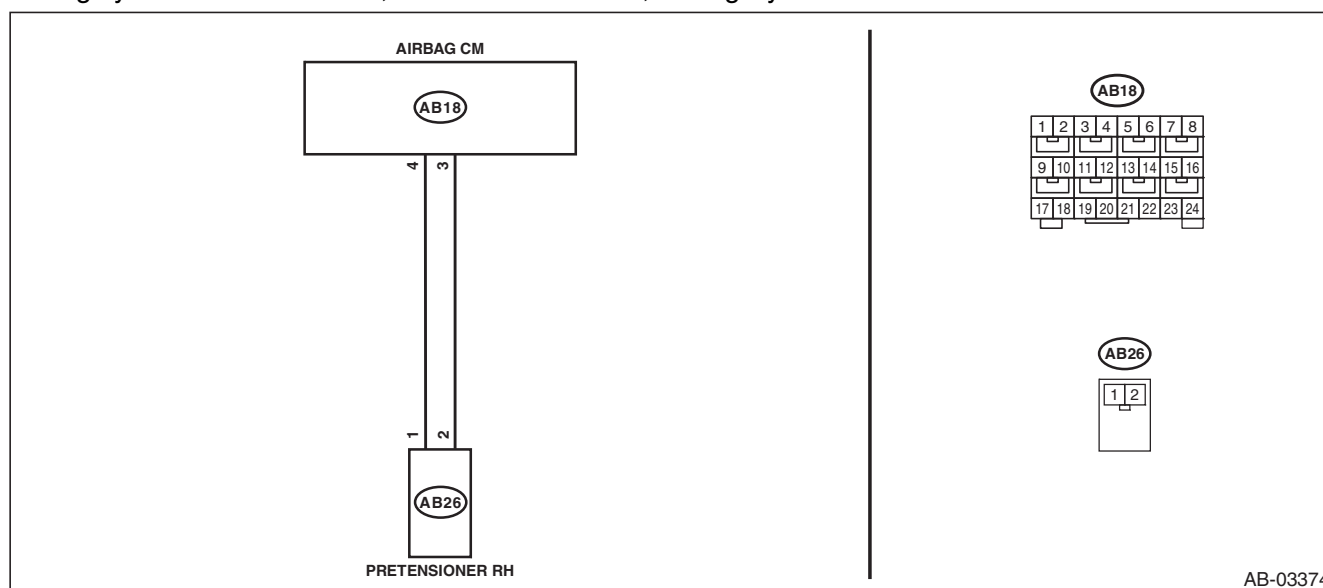
- Seat belt pretensioner RH circuit is shorted to ground.
- Pretensioner RH is faulty.
- Pretensioner harness RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB26). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the seat belt pretensioner RH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB33) from curtain airbag module RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(3AG) No. 18 — Chassis ground:</i> <i>(3AG) No. 20 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

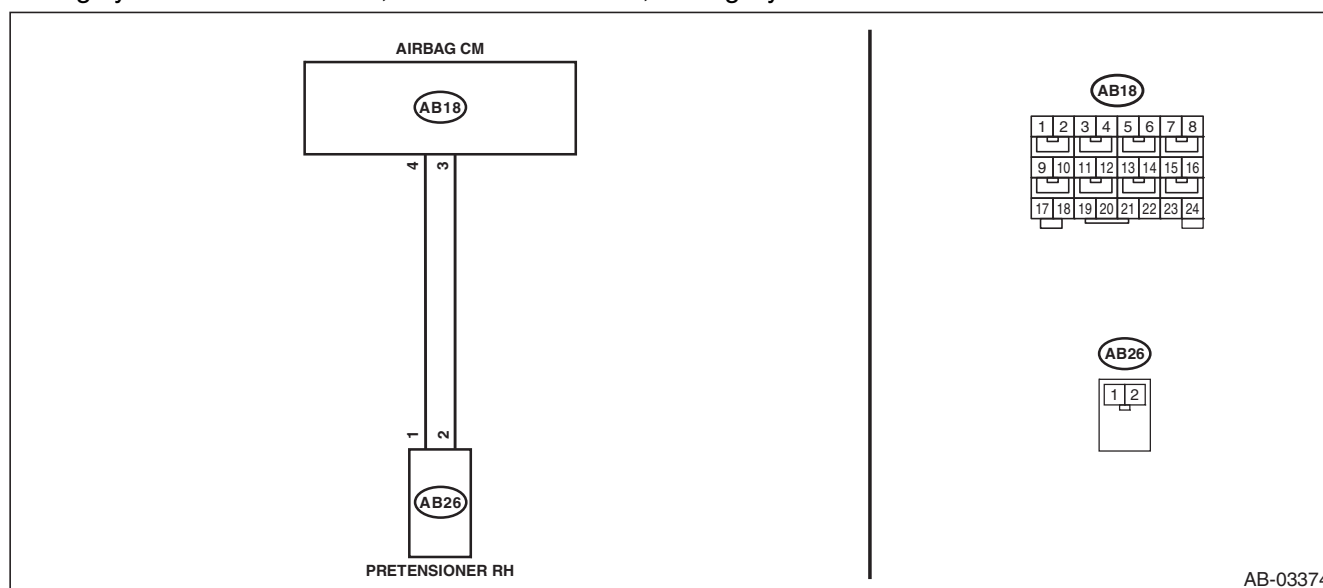
- Seat belt pretensioner RH circuit is shorted to power supply.
- Pretensioner RH is faulty.
- Pretensioner harness RH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



AB-03374

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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB26) from seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB26). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner RH. <Ref. to SB-15, Front Seat Belt.>

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB33) from curtain airbag module RH. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Connect the battery ground terminal and turn the ignition switch to ON. 9) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 20 (+) — Chassis ground (-): (3AG) No. 18 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DO:DTC B1905 SHORT IN FRONT P/T LH

DTC DETECTING CONDITION:

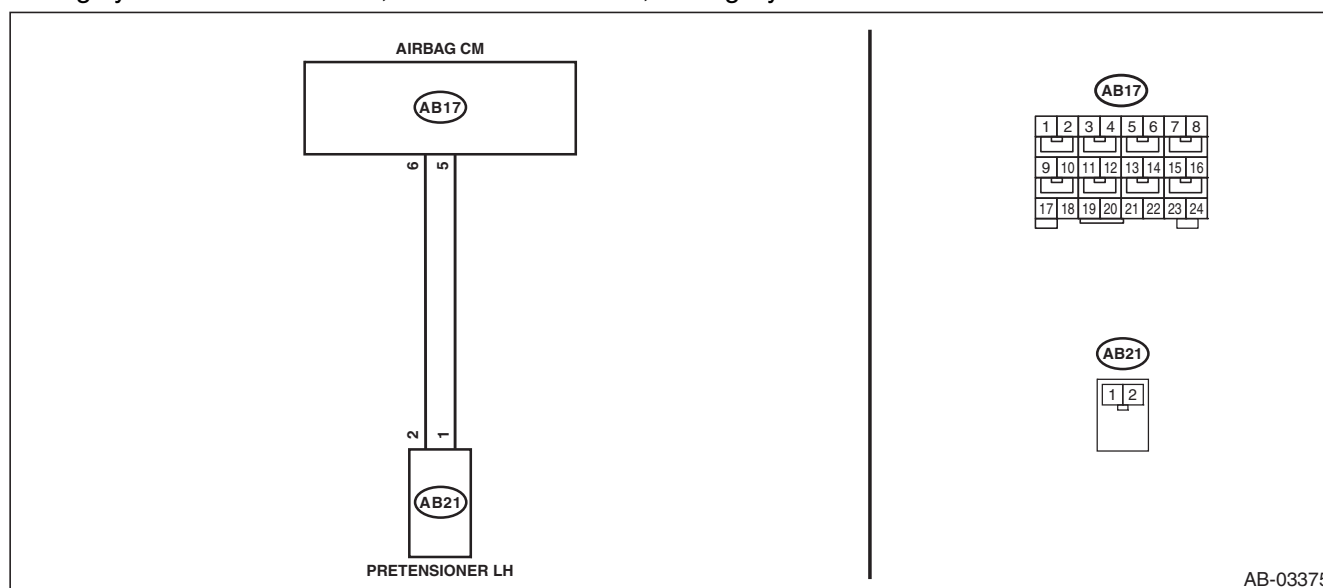
- Seat belt pretensioner LH circuit is shorted.
- Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Connect the connector (1N) in the test harness N to the connector (AB21). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner LH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the connector (AB31) from curtain airbag module LH. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 10 — (3AG) No. 12:	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DP:DTC B1906 OPEN IN FRONT P/T LH

DTC DETECTING CONDITION:

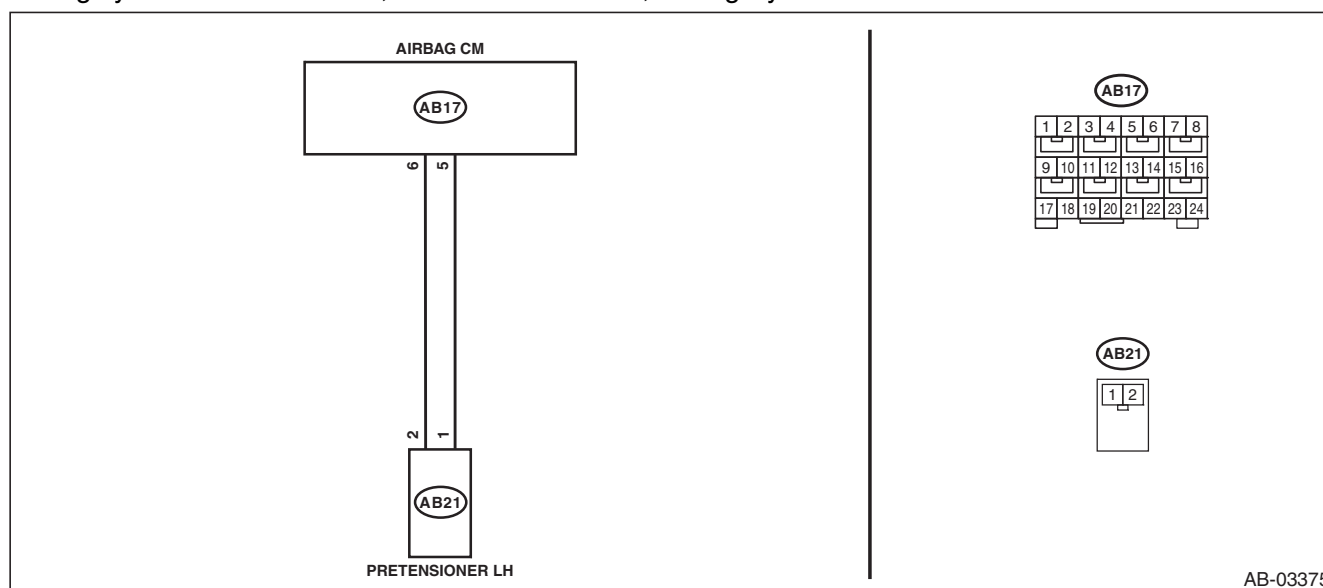
- Seat belt pretensioner LH circuit is open.
- Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Connect the connector (1N) in the test harness N to the connector (AB21). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off?	Replace the seat belt pretensioner LH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the connector (AB31) from curtain airbag module LH. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (3AG) No. 10 — (2N) No. 1: (3AG) No. 12 — (2N) No. 2:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

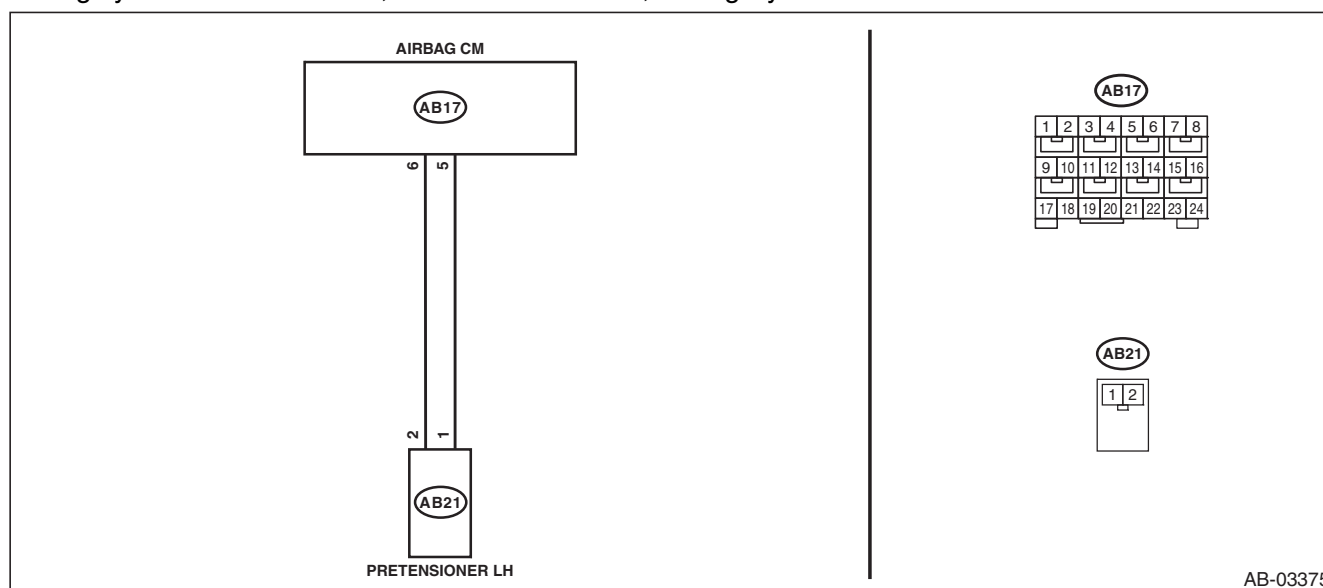
- Seat belt pretensioner LH circuit is shorted to ground.
- Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1 CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the seat belt pretensioner LH.	Is there poor contact?	Replace the airbag rear harness along with body harness.	Go to step 2.
2 CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Connect the connector (1N) in the test harness N to the connector (AB21). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off?	Replace the seat belt pretensioner LH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the connector (AB31) from curtain airbag module LH. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(3AG) No. 10 — Chassis ground:</i> <i>(3AG) No. 12 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

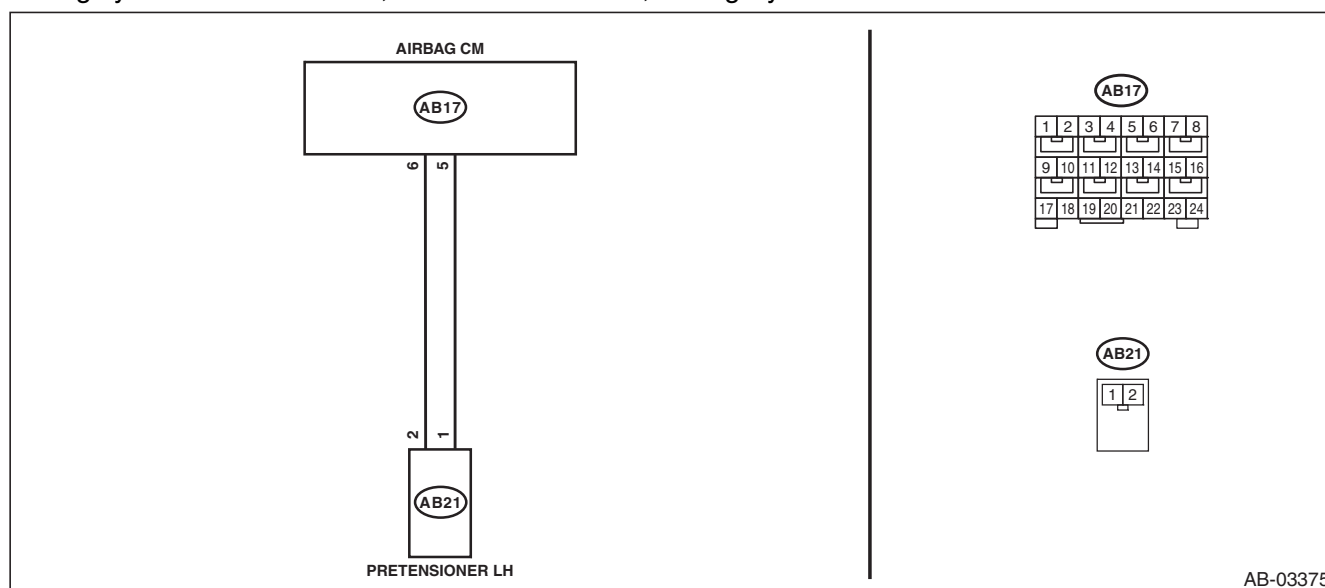
- Seat belt pretensioner LH circuit is shorted to power supply.
- Pretensioner LH is faulty.
- Pretensioner harness LH is faulty.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



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.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB21) from seat belt pretensioner LH. 3) Connect the connector (1N) in the test harness N to the connector (AB21). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for six seconds and go off? Replace the seat belt pretensioner LH. <Ref. to SB-15, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (PRE-TENSIONER HARNESS LH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from the connector (2N) of test harness N. 3) Disconnect the connector (AB19) from side airbag module LH. 4) Disconnect the connector (AB31) from curtain airbag module LH. 5) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 6) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 7) Connect the battery ground terminal and turn the ignition switch to ON. 8) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 10 (+) — Chassis ground (-): (3AG) No. 12 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DS:DTC B19F0 SHORT IN FRONT P/T 2 RH

DTC DETECTING CONDITION:

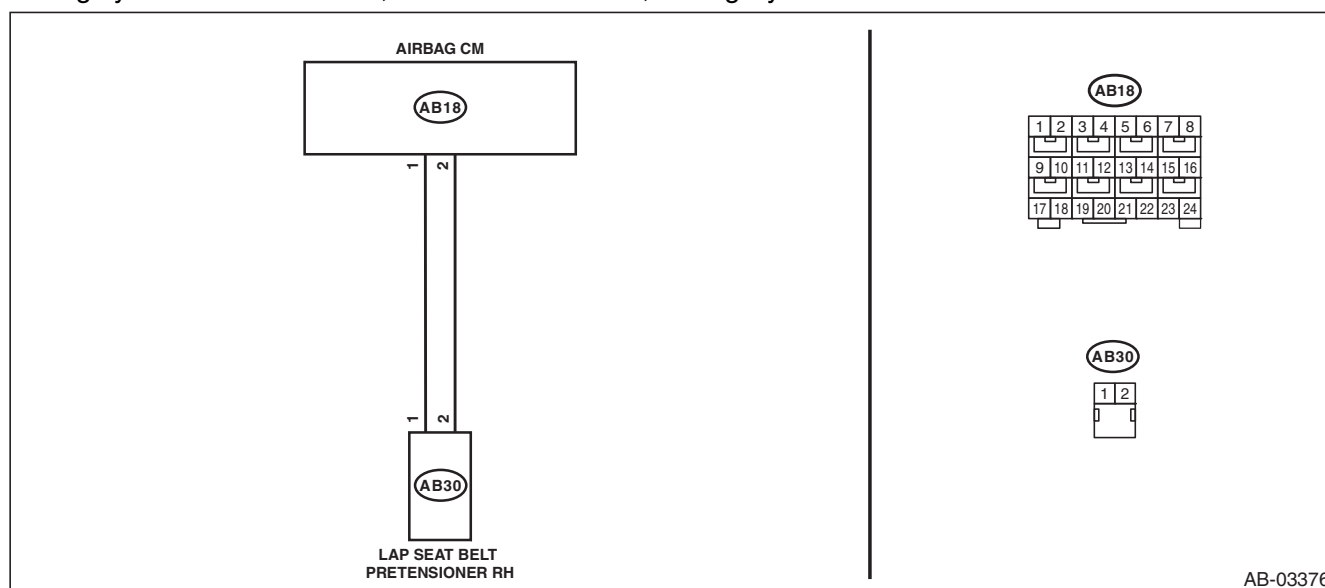
- Lap seat belt pretensioner RH circuit is shorted.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB30). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the lap seat belt pretensioner RH. <Ref. to SB-15, SEAT BELT OUTER - FRONT, REMOVAL, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB26) from seat belt pretensioner. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) terminals in test harness AG. Connector & terminal (3AG) No. 17 — (3AG) No. 19:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

DT:DTC B19F1 OPEN IN FRONT P/T 2 RH

DTC DETECTING CONDITION:

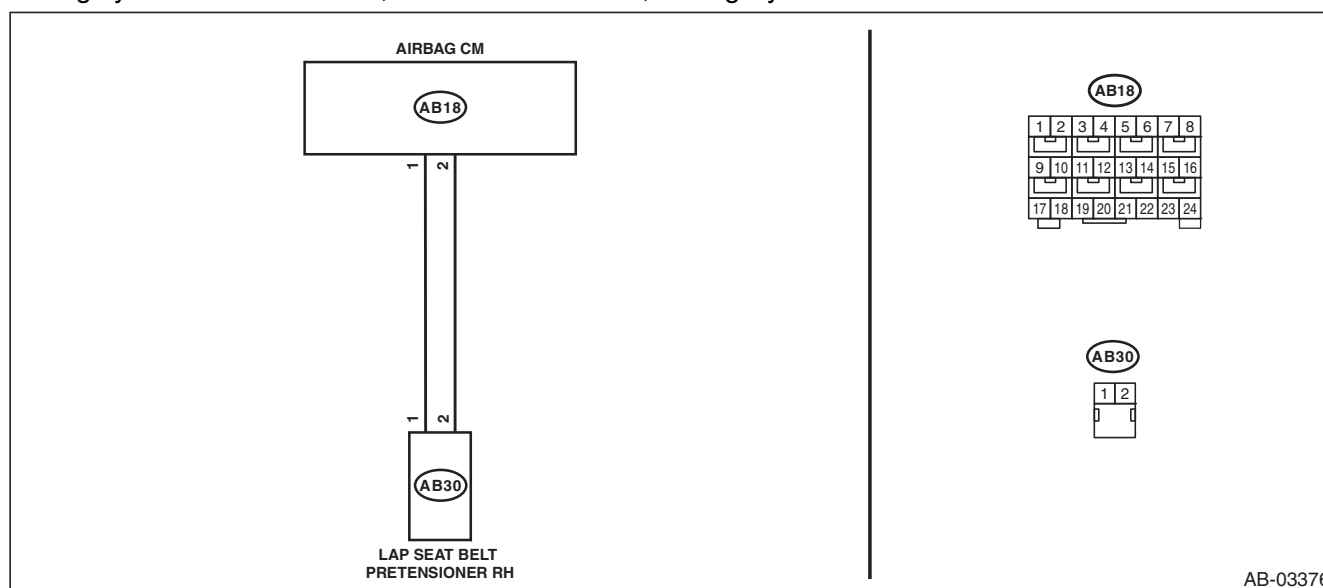
- Lap seat belt pretensioner RH circuit is open.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is open.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB30). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the lap seat belt pretensioner RH. <Ref. to SB-15, SEAT BELT OUTER - FRONT, REMOVAL, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (SIDE AIRBAG HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB26) from seat belt pretensioner. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) in the test harness AG and connector (2N) in the test harness N. Connector & terminal (3AG) No. 17 — (2N) No. 2: (3AG) No. 19 — (2N) No. 1:	Is the resistance less than 10 Ω ?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

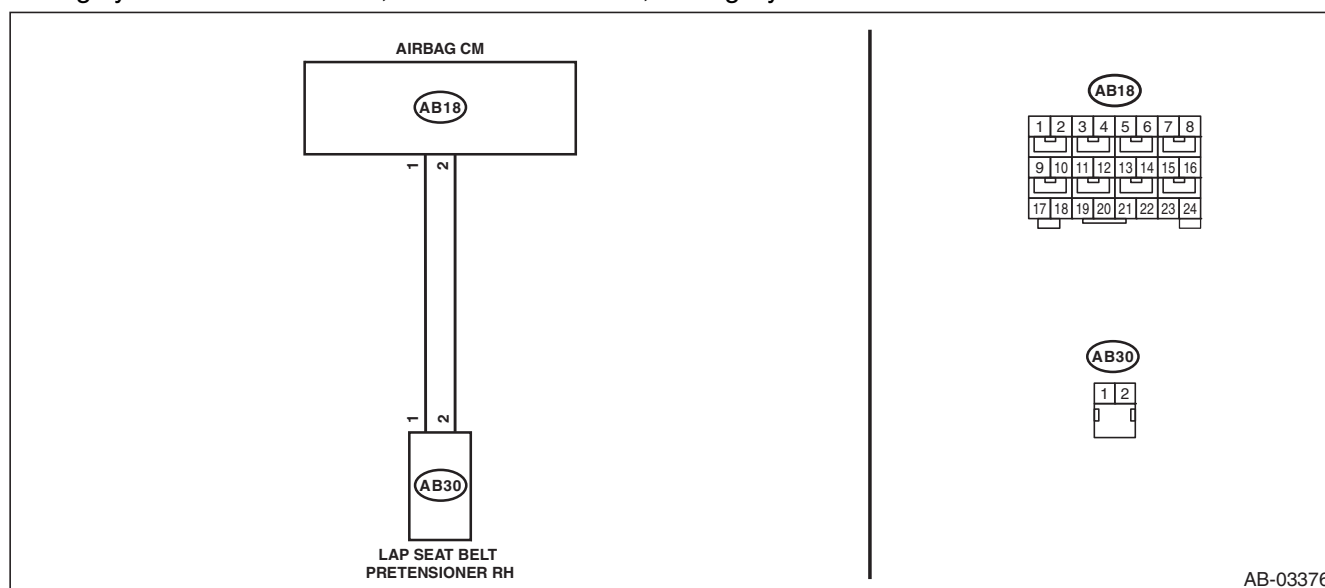
- Lap seat belt pretensioner RH circuit is shorted to ground.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted to ground.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB30). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the lap seat belt pretensioner RH. <Ref. to SB-15, SEAT BELT OUTER - FRONT, REMOVAL, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB26) from seat belt pretensioner. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Measure the resistance between connector (3AG) in the test harness AG and chassis ground. <i>Connector & terminal</i> <i>(3AG) No. 17 — Chassis ground:</i> <i>(3AG) No. 19 — Chassis ground:</i>	Is the resistance 1 MΩ or more?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

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

DTC DETECTING CONDITION:

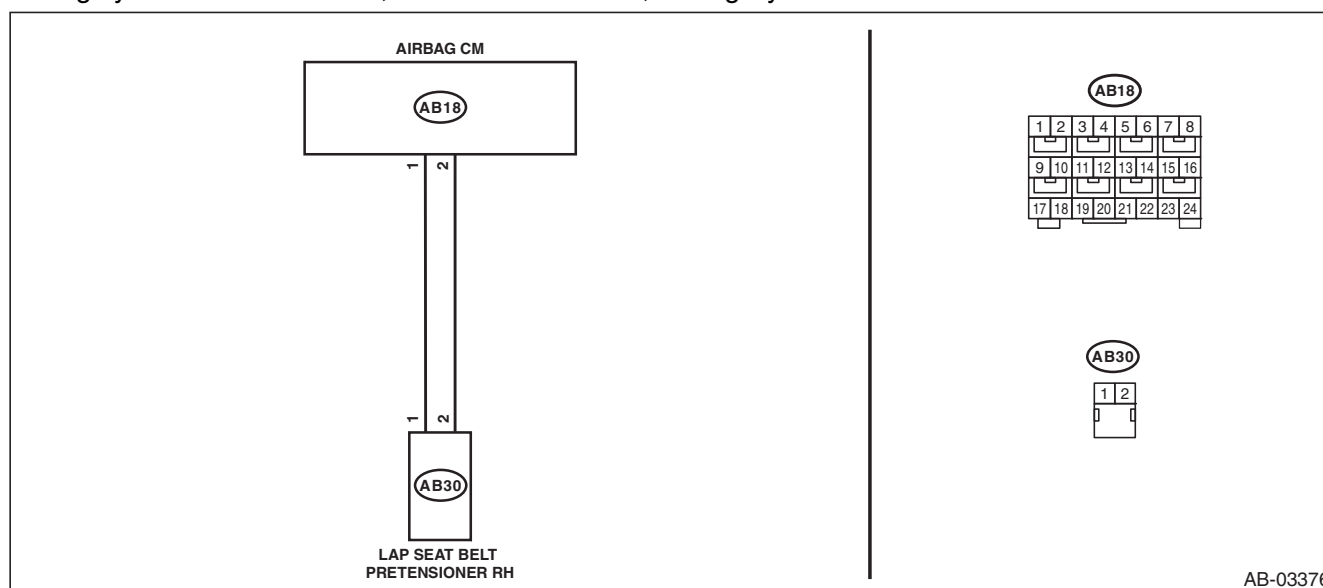
- Lap seat belt pretensioner RH circuit is shorted to power supply.
- Lap seat belt pretensioner RH is faulty.
- Lap seat belt pretensioner harness RH is shorted to power supply.
- Airbag control module is faulty.

CAUTION:

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

WIRING DIAGRAM:

Airbag system <Ref. to WI-55, WIRING DIAGRAM, Airbag System.>



Step	Check	Yes	No
1	CHECK POOR CONTACT OF CONNECTORS. Check for poor contact of the connectors between the airbag control module and the lap seat belt pretensioner RH.	Replace the airbag rear harness along with body harness.	Go to step 2.
2	CHECK LAP SEAT BELT PRETENSIONER. 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the connector (AB30) from the lap seat belt pretensioner RH. 3) Connect the connector (1N) in the test harness N to the connector (AB30). 4) Connect the airbag resistor to the connector (2N) of test harness N. 5) Connect the battery ground terminal and turn the ignition switch to ON.	Does the airbag warning light illuminate for 6 seconds and go off? Replace the lap seat belt pretensioner RH. <Ref. to SB-15, SEAT BELT OUTER - FRONT, REMOVAL, Front Seat Belt.>	Go to step 3.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)

Step	Check	Yes	No
3 CHECK AIRBAG REAR HARNESS (LAP SEAT BELT PRETENSIONER HARNESS RH). 1) Turn the ignition switch to OFF, disconnect the battery ground cable, and wait for 60 seconds or more. 2) Disconnect the airbag resistor from test harness N. 3) Disconnect the connector (AB33) from curtain airbag module RH. 4) Disconnect the connector (AB24) from side airbag module RH. 5) Disconnect the connector (AB26) from seat belt pretensioner. 6) Disconnect the connectors (AB6, AB17, AB18) from airbag control module. 7) Connect the connector (1AG) in the test harness AG to the connectors (AB6, AB17, AB18). 8) Connect the battery ground terminal and turn the ignition switch to ON. 9) Measure the voltage between connector (3AG) in the test harness AG and chassis ground. Connector & terminal (3AG) No. 17 (+) — Chassis ground (-): (3AG) No. 19 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Go to step 4.	Replace the airbag rear harness along with body harness.
4 CHECK AIRBAG CONTROL MODULE. 1) Connect all connectors. 2) Clear the memory. 3) Perform the Inspection Mode. 4) Read the DTC. (Current malfunction)	Is the same DTC displayed?	Replace the airbag control module. <Ref. to AB-75, 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)-28, List of Diagnostic Trouble Code (DTC).>	Finish the diagnosis.

Diagnostic Chart with Trouble Code

AIRBAG SYSTEM (DIAGNOSTICS)
