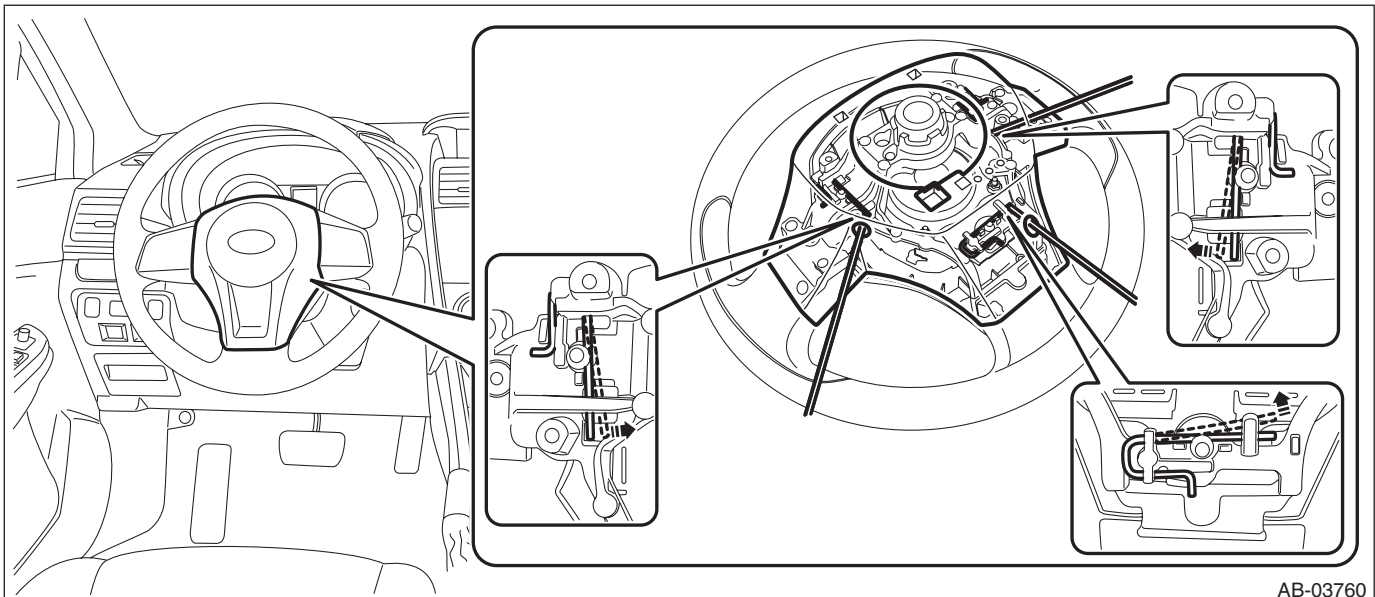


AB-03041

- | | | |
|---------------------------------|---|--------------------------------|
| (1) Curtain airbag sensor LH | (7) Side airbag module RH | (13) Occupant detection sensor |
| (2) Curtain airbag module LH | (8) Occupant detection control module | (14) Curtain airbag sensor RH |
| (3) Seat belt pretensioner LH | (9) Front door impact sensor RH | (15) Curtain airbag module RH |
| (4) Front door impact sensor LH | (10) Lap seat belt pretensioner RH (XV model) | (16) Satellite safing sensor |
| (5) Side airbag module LH | (11) Side airbag sensor RH | (17) Side airbag sensor LH |
| (6) Buckle switch RH | (12) Seat belt pretensioner RH | |

1. DRIVER'S AIRBAG MODULE

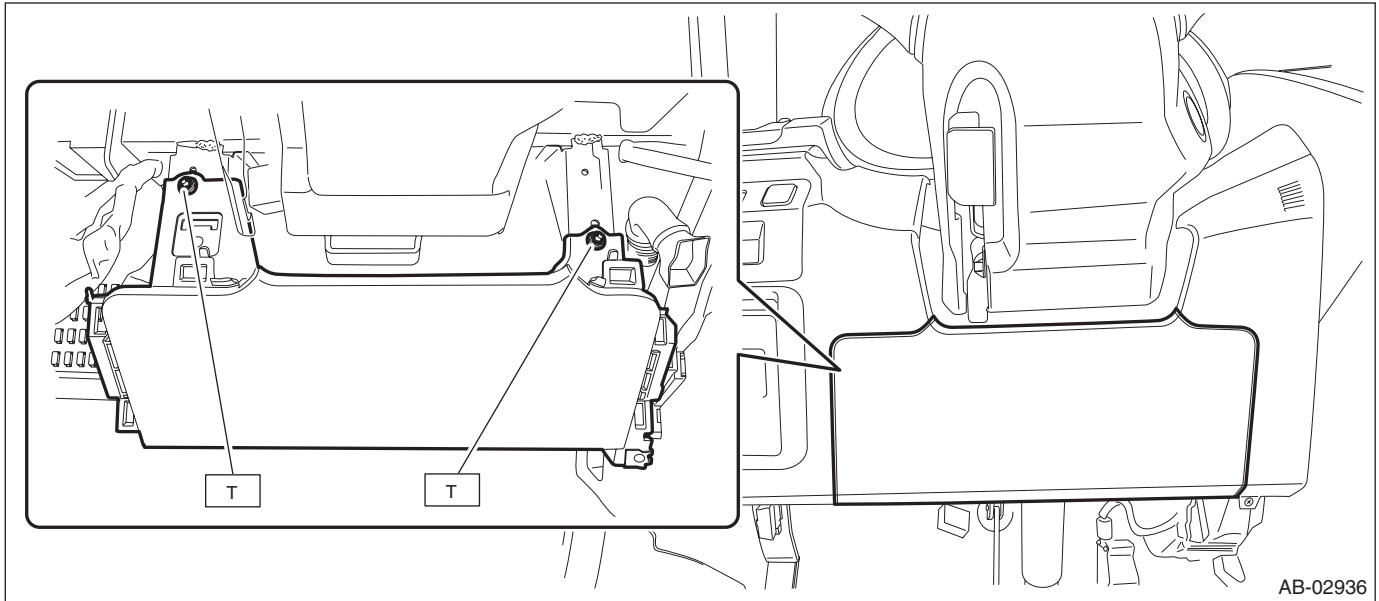


AB-03760

General Description

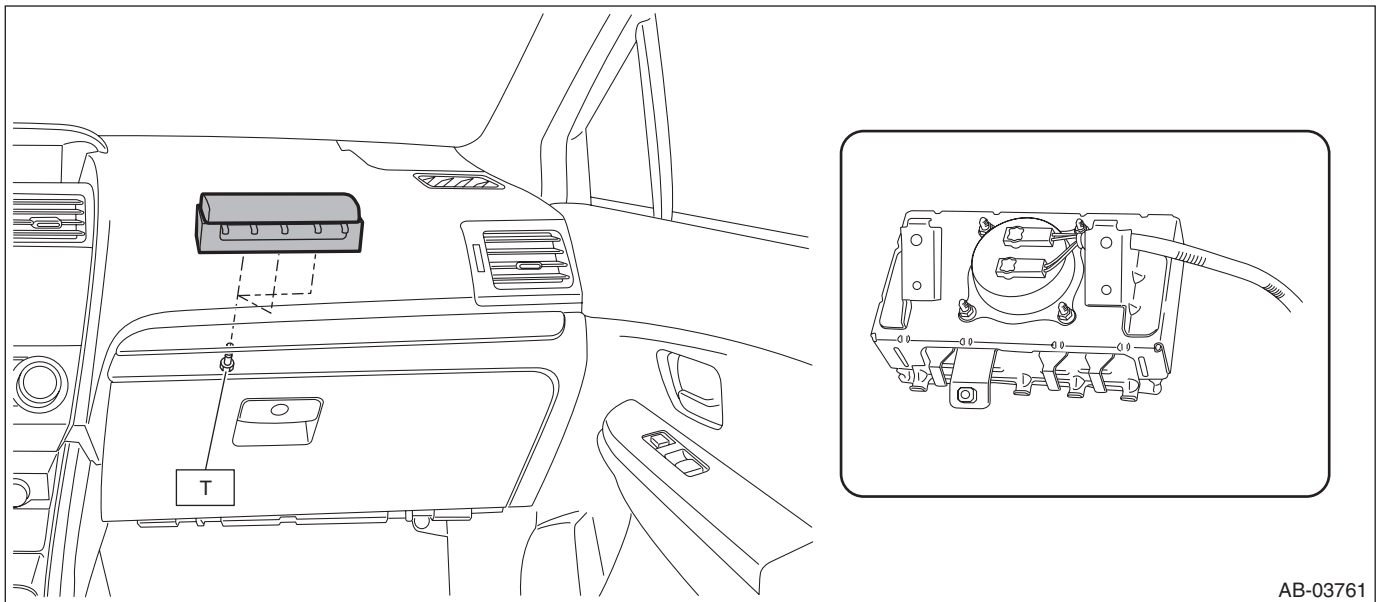
AIRBAG SYSTEM

2. KNEE AIRBAG MODULE



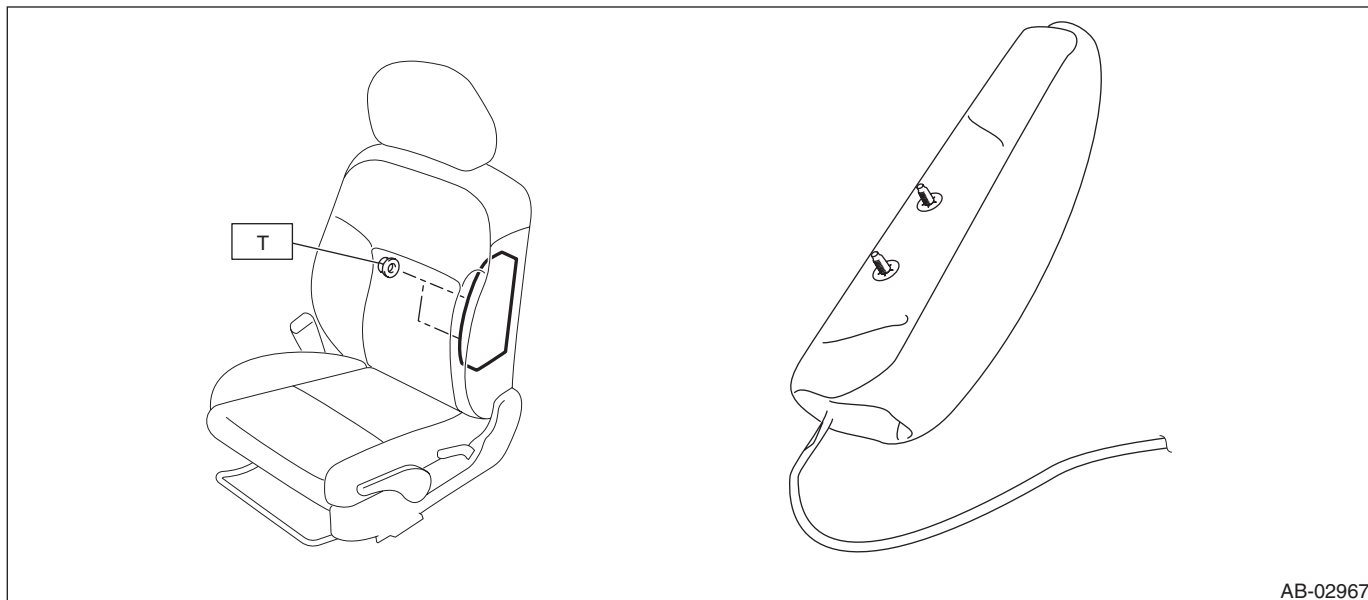
Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

3. PASSENGER'S AIRBAG MODULE



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

4. SIDE AIRBAG MODULE

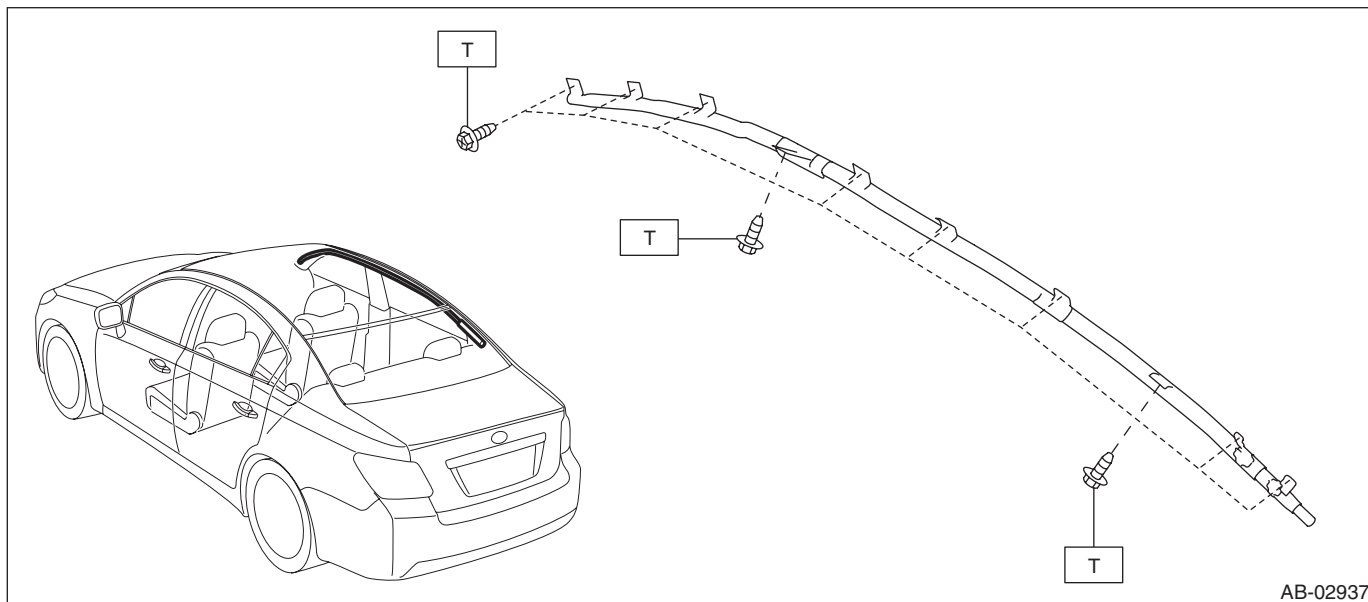


AB-02967

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

5. CURTAIN AIRBAG MODULE

- 4 door model

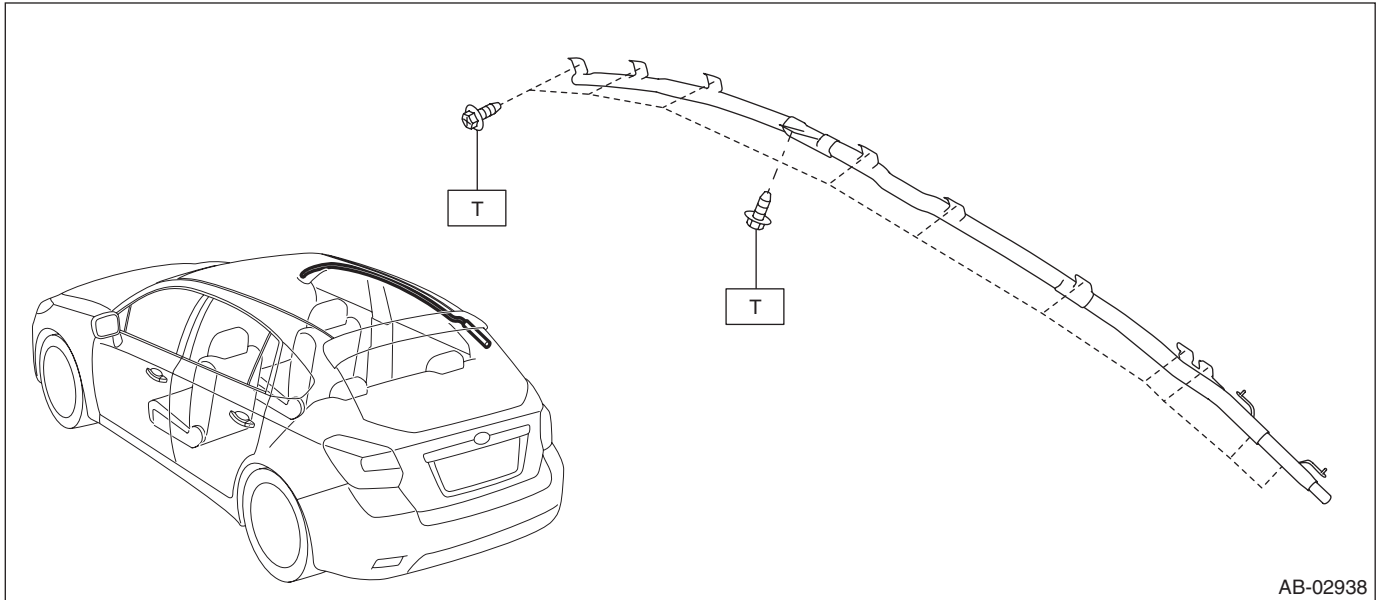


AB-02937

General Description

AIRBAG SYSTEM

- 5 door model/XV model

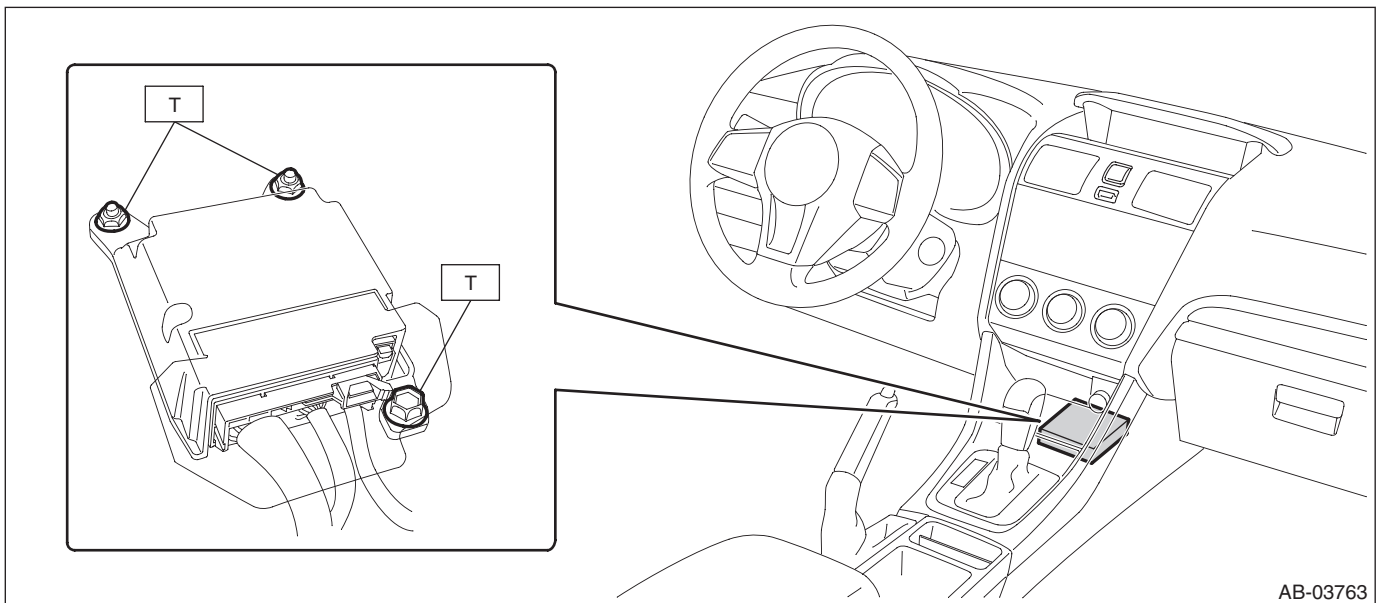


Tightening torque:
7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

6. AIRBAG CONTROL MODULE

CAUTION:

Do not reuse mounting bolts and nuts.

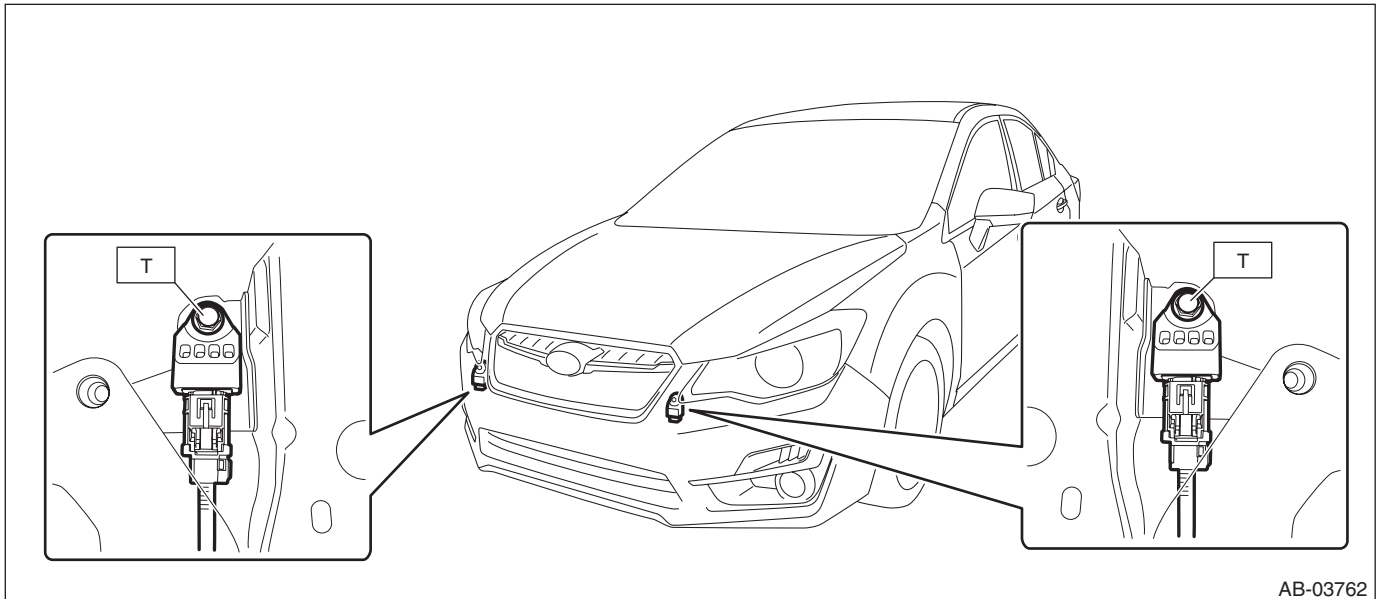


Tightening torque:
25 N·m (2.55 kgf-m, 18.4 ft-lb)

7. FRONT SUB SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.

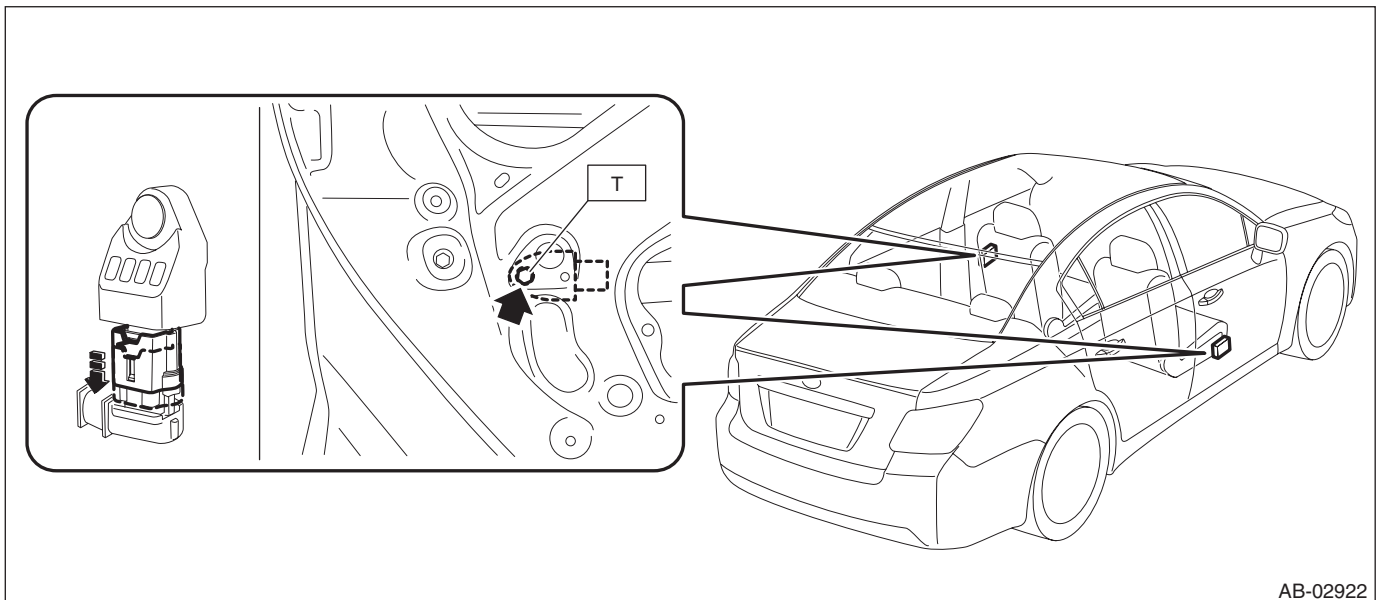
**Tightening torque:**

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)

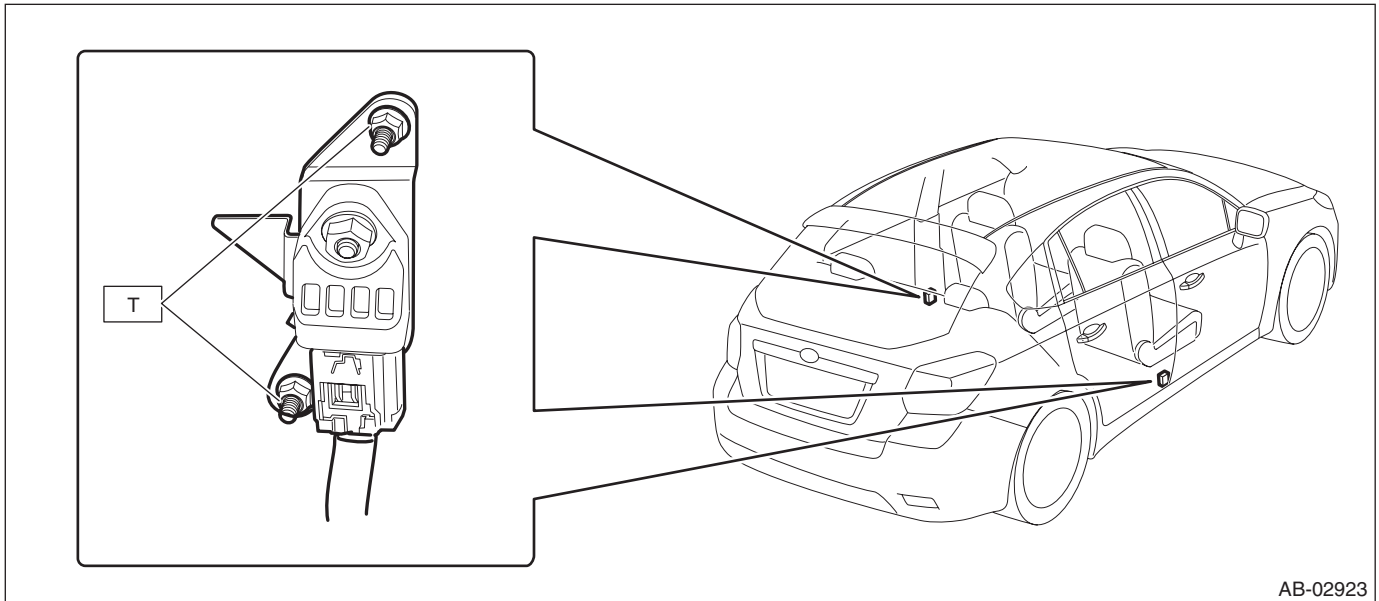
General Description

AIRBAG SYSTEM

9. SIDE AIRBAG SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



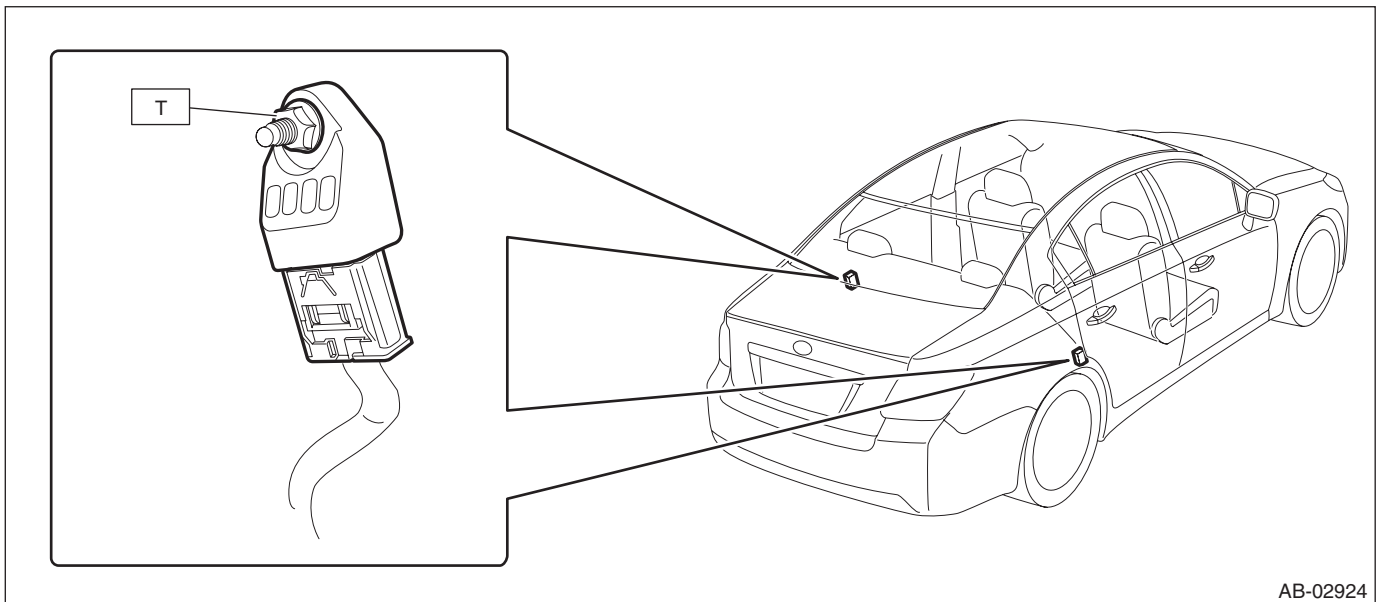
Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

10. CURTAIN AIRBAG SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.



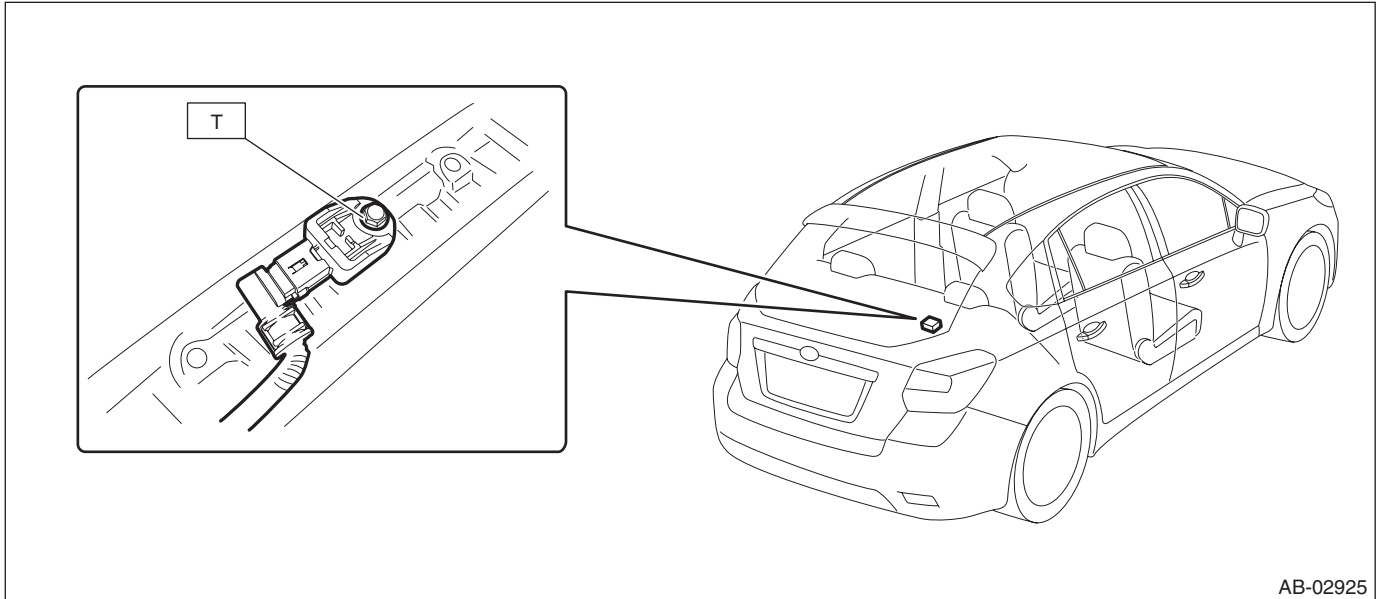
Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

11.SATELLITE SAFING SENSOR

CAUTION:

Do not reuse mounting bolts and nuts.

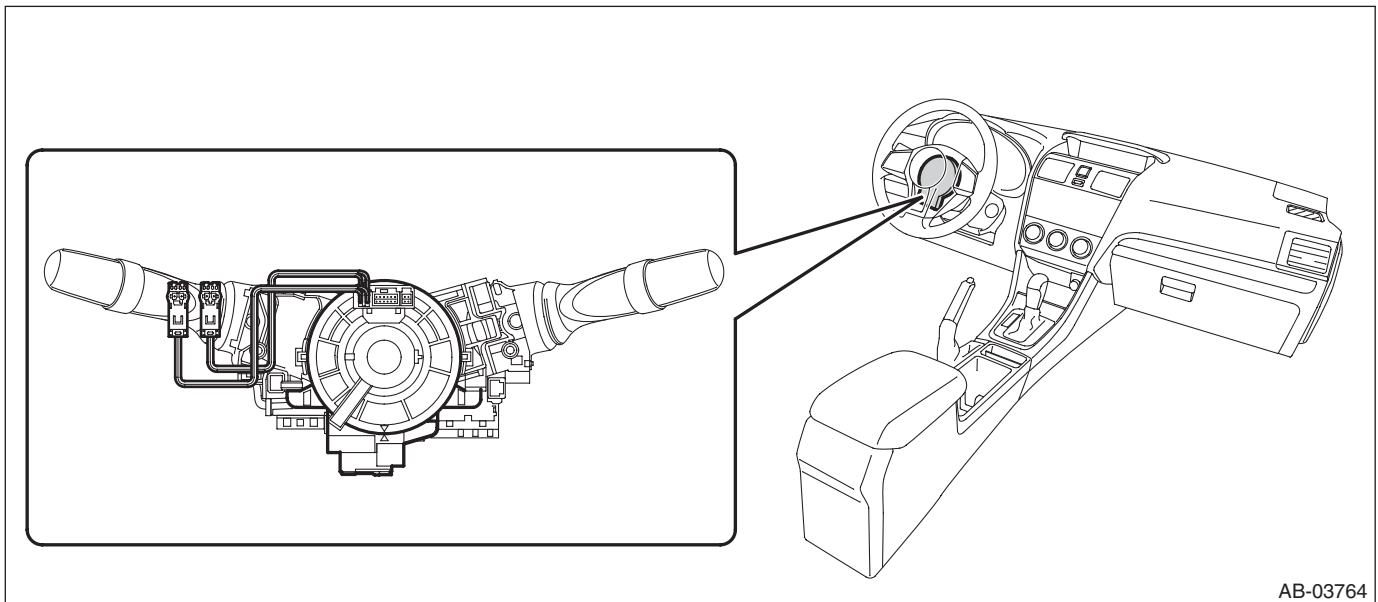


AB-02925

Tightening torque:

7.5 N·m (0.76 kgf-m, 5.5 ft-lb)

12.STEERING ROLL CONNECTOR

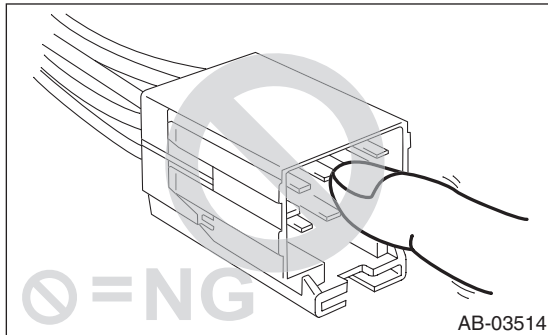


AB-03764

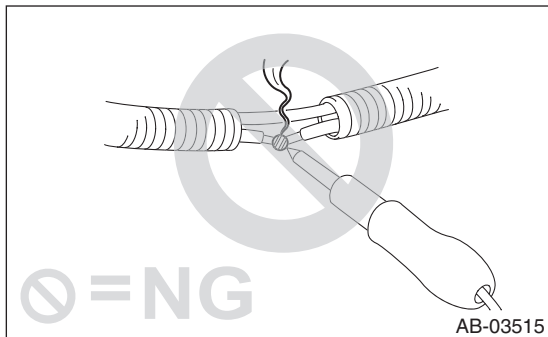
B: CAUTION

1. BEFORE STARTING ALL WORKS

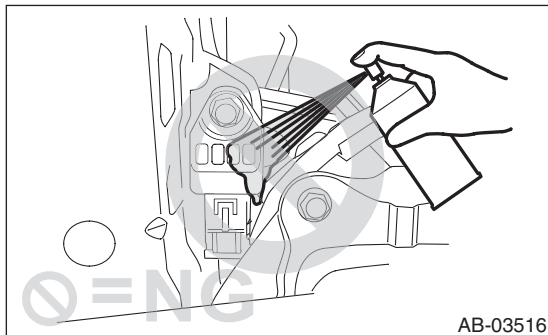
- The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds or more before starting the service of airbag system.
- For the 12 volt engine restart battery of HEV model, disconnect the ground terminal from 12V engine restart battery sensor.
- 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.



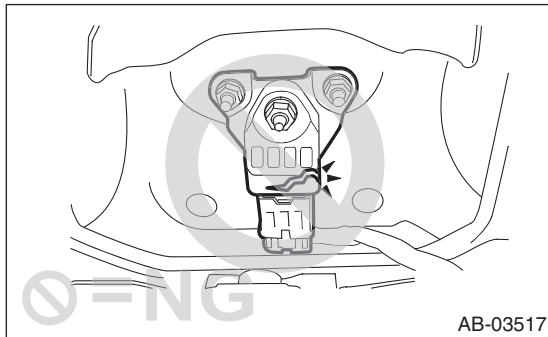
- When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender and radiator panel side, remove the front sub sensors and wiring harness of airbag system.
- When painting or performing sheet metal work on the side of the vehicle, including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



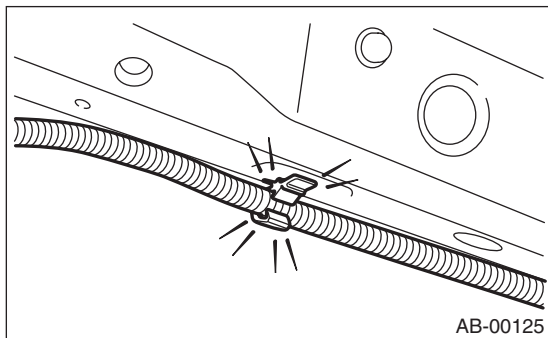
- When attaching the steering wheel and steering roll connector, be sure to adjust the steering roll connector.

2. BEFORE STARTING PARTS REPLACEMENT

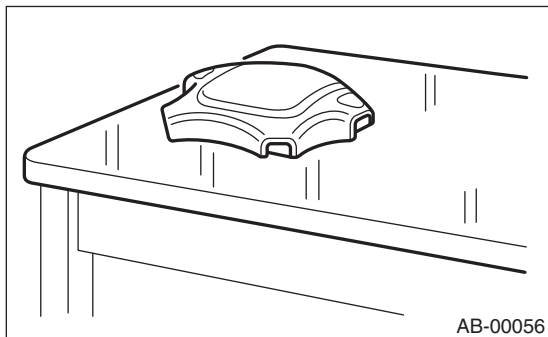
- If airbag sensors, airbag module, airbag control module, pretensioners, harnesses, or the cover - satellite safing are deformed or damaged, replace with new parts.



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



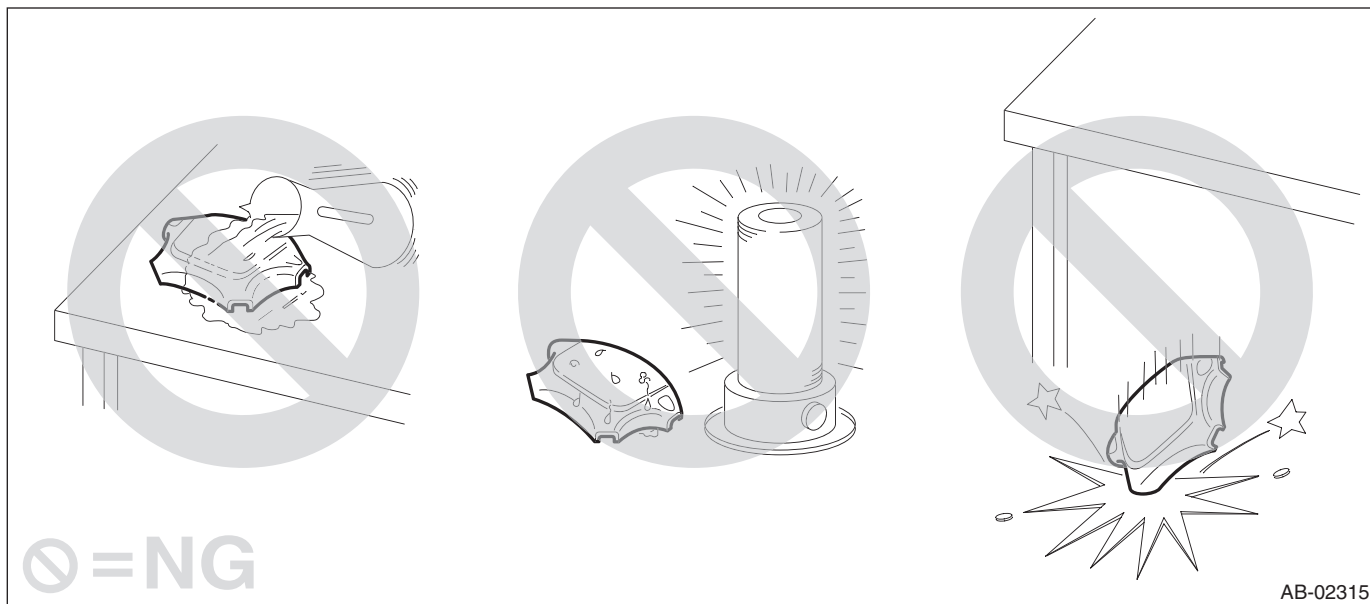
- Do not use the airbag or pretensioner parts from other vehicles. Always replace the defective parts with new parts.
- Never reuse any activated airbag module and pretensioner.
- Do not discard undeployed airbag or pretensioner.
- When airbag control module, front sub sensor, front door impact sensor, 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

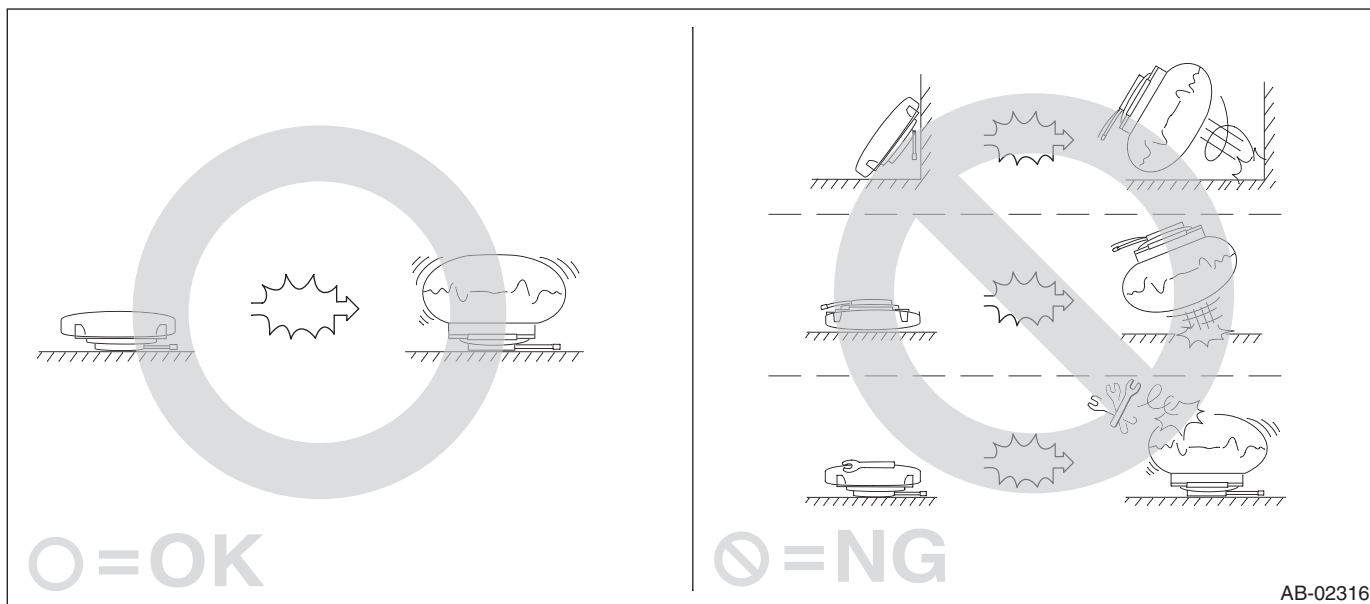
AIRBAG SYSTEM

- 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.

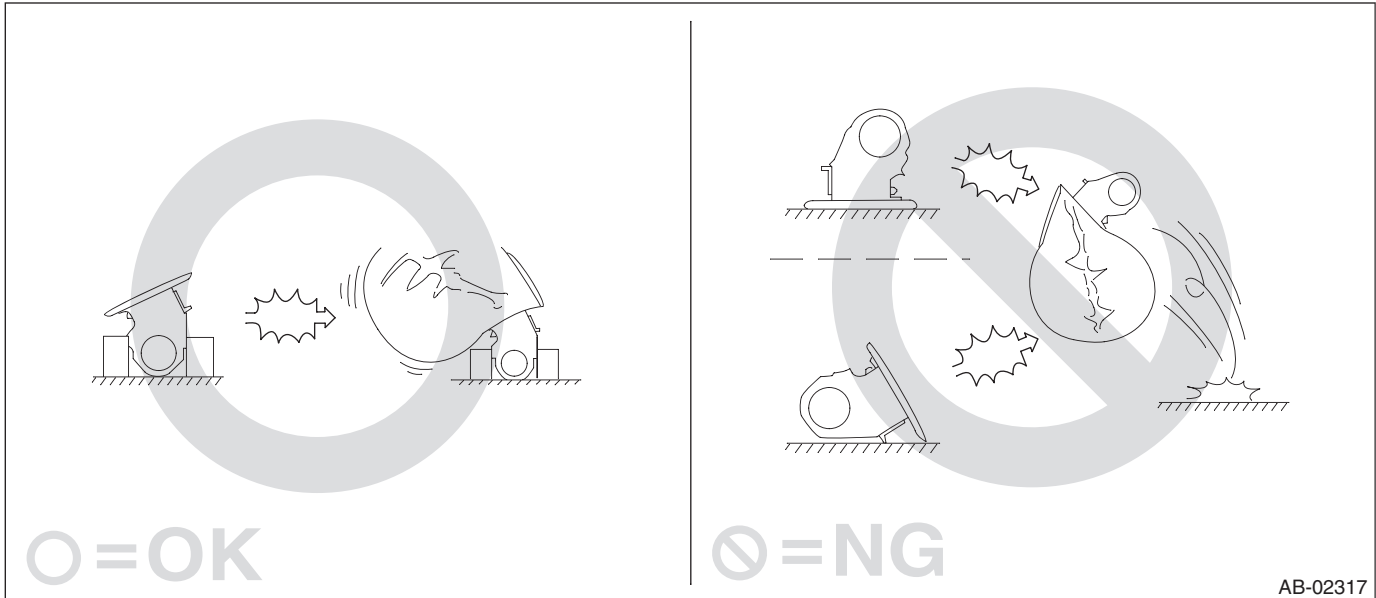


- When storing a removed airbag module, do not place it with the pad side facing downward. Do not place any objects on the airbag module. Do not pile up the airbag module. If the pad of the airbag module is in contact with other objects, it may cause a serious accident if the airbag accidentally operates.

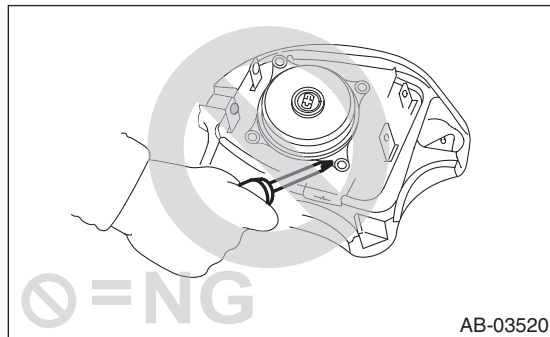
- Driver's airbag module



- 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.



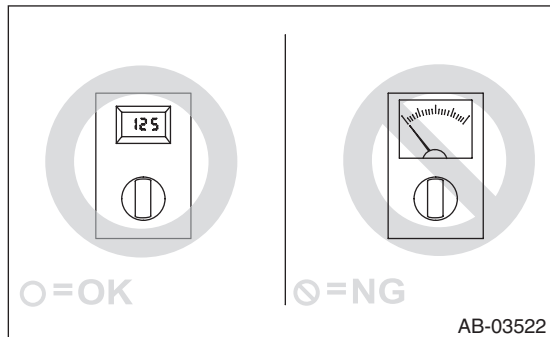
- The removed front seat with airbag module must be kept at least 200 mm (8 in) away from walls and other objects.

General Description

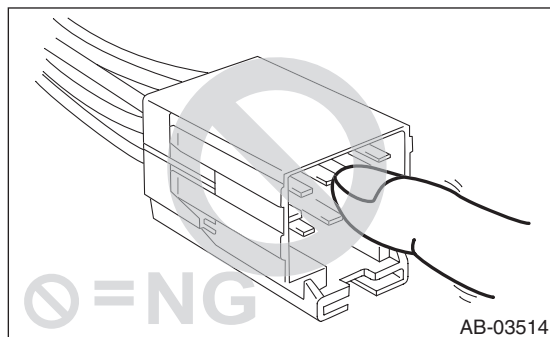
AIRBAG SYSTEM

3. BEFORE STARTING TROUBLESHOOTING

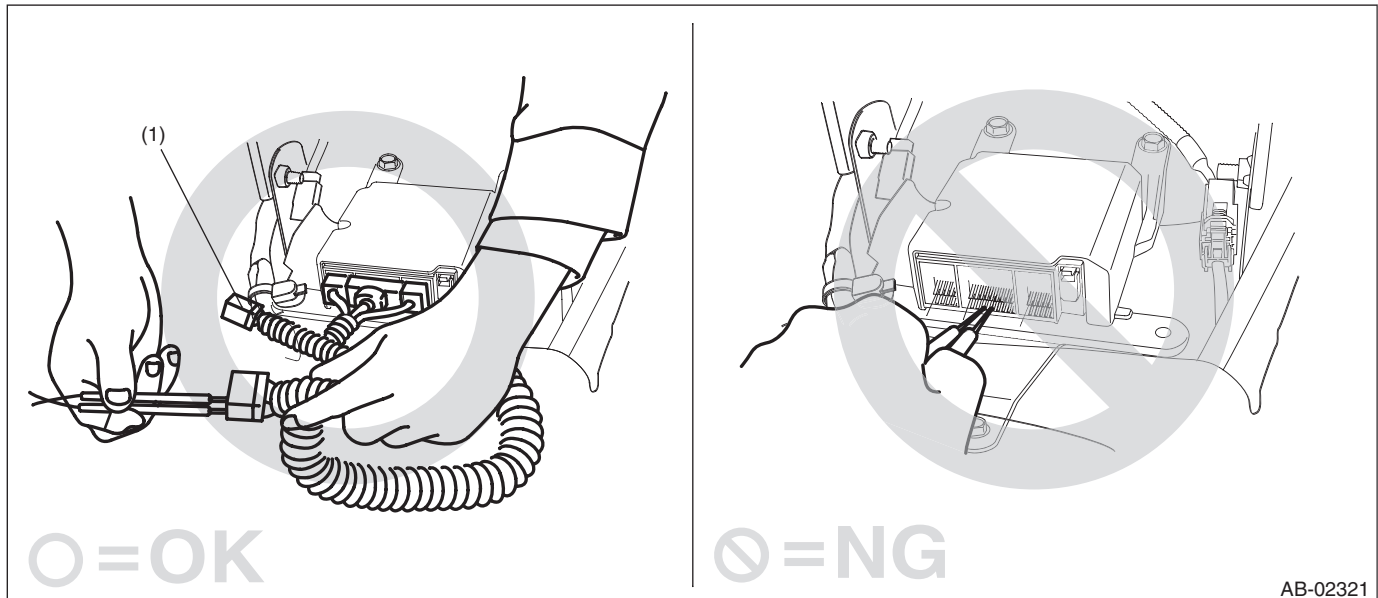
- Even if any part must be replaced as the result of troubleshooting, do not use an airbag part or pretensioner part from other vehicles. Always replace the defective parts with new parts.
- When checking the airbag system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously due to a minimal current inside tester.



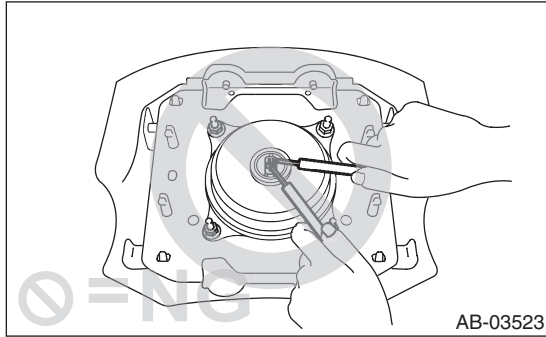
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.



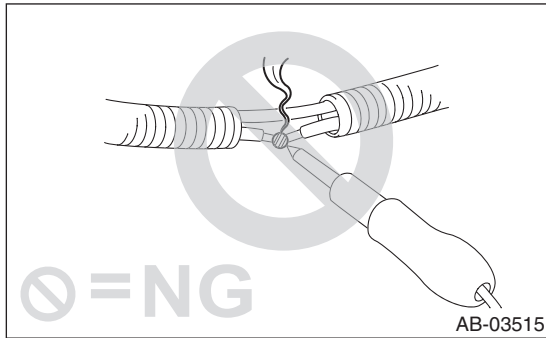
- When checking, use a test harness (1). Damage to connector terminal causes malfunction. Do not directly put the tester probe on airbag connector terminal.



- 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.



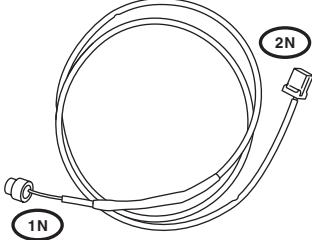
General Description

AIRBAG SYSTEM

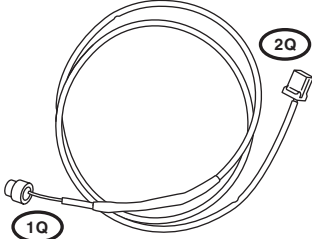
C: PREPARATION TOOL

1. SPECIAL TOOL

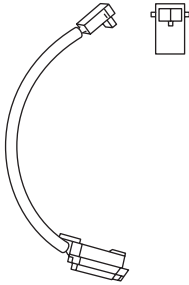
• TEST HARNESS N

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299SA000</p>	98299SA000	TEST HARNESS N	Used for unit inspection of steering roll connector.

• TEST HARNESS Q

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299SA040</p>	98299SA040	TEST HARNESS Q	Used for unit inspection of steering roll connector.

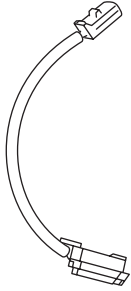
• TEST HARNESS ADAPTER D

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299SA010</p>	98299SA010	TEST HARNESS ADAPTER D	<ul style="list-style-type: none"> • Used for operation process of knee airbag module. • Used for operation process of curtain airbag module. • Used together with AIRBAG DEPLOYMENT TOOL. (98299PA030)

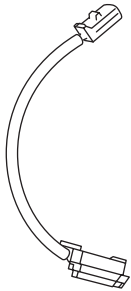
General Description

AIRBAG SYSTEM


• TEST HARNESS ADAPTER AM

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299FJ000</p>	98299FJ000	TEST HARNESS ADAPTER AM	<ul style="list-style-type: none"> Used for operation process of passenger's airbag module. Used together with AIRBAG DEPLOYMENT TOOL. (98299PA030)

• TEST HARNESS ADAPTER K

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299FG010</p>	98299FG010	TEST HARNESS ADAPTER K	<ul style="list-style-type: none"> Used for operation process of side airbag module. Used together with AIRBAG DEPLOYMENT TOOL. (98299PA030)

• AIRBAG DEPLOYMENT TOOL

ILLUSTRATION	TOOL NUMBER	DESCRIPTION	REMARKS
 <p>ST98299PA030</p>	98299PA030	AIRBAG DEPLOYMENT TOOL	<ul style="list-style-type: none"> Used for operation process of airbag module. Used together with each test harness adapter.

2. GENERAL TOOL

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