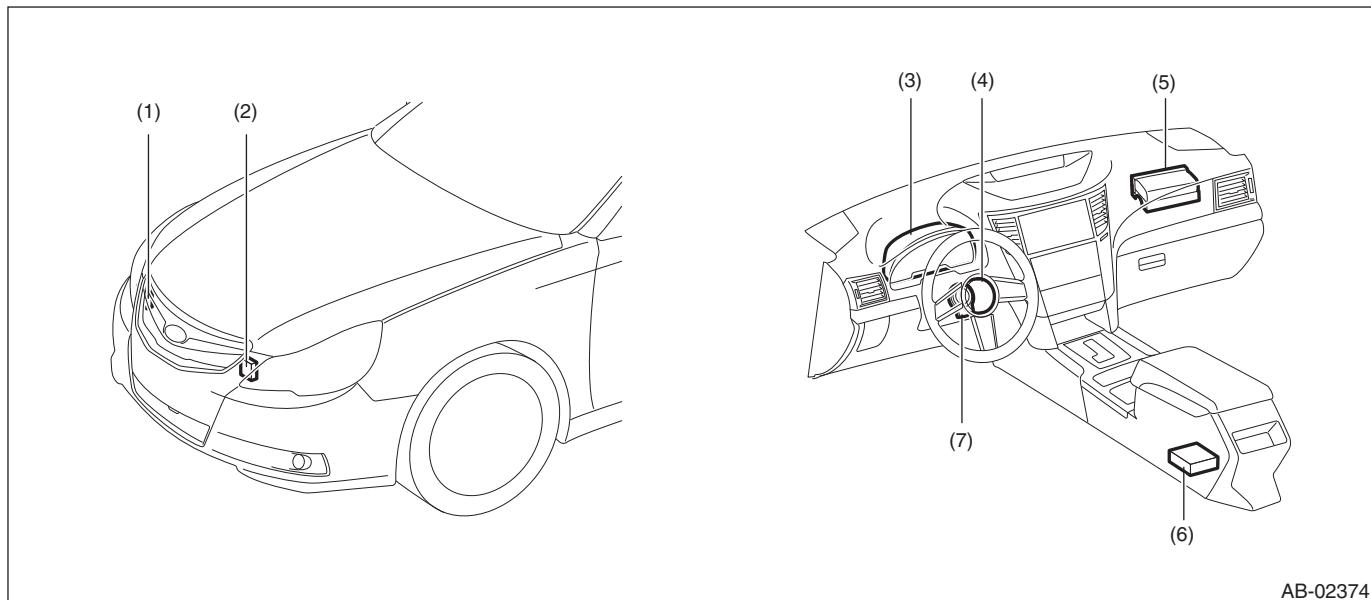


# General Description

## AIRBAG SYSTEM

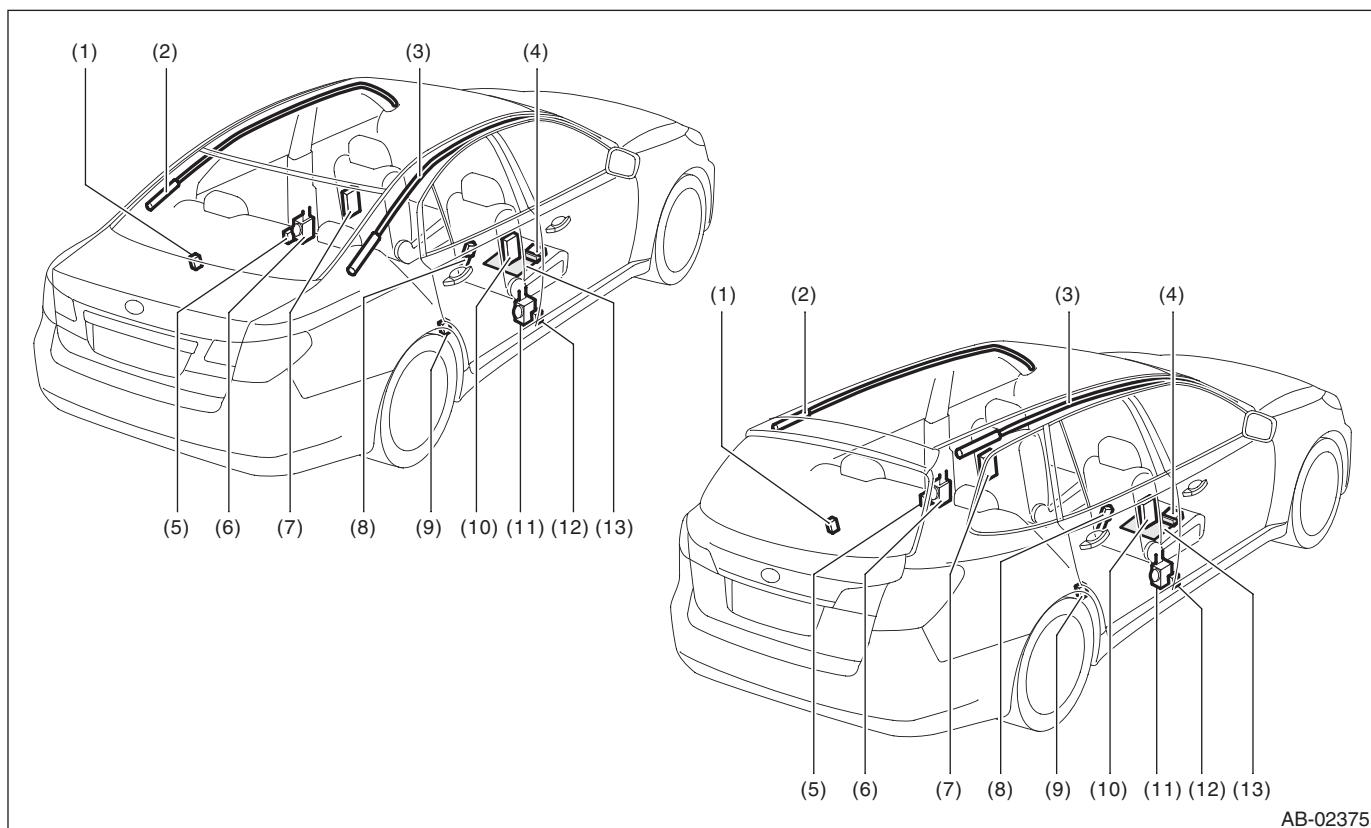
### 1. General Description

#### A: COMPONENT



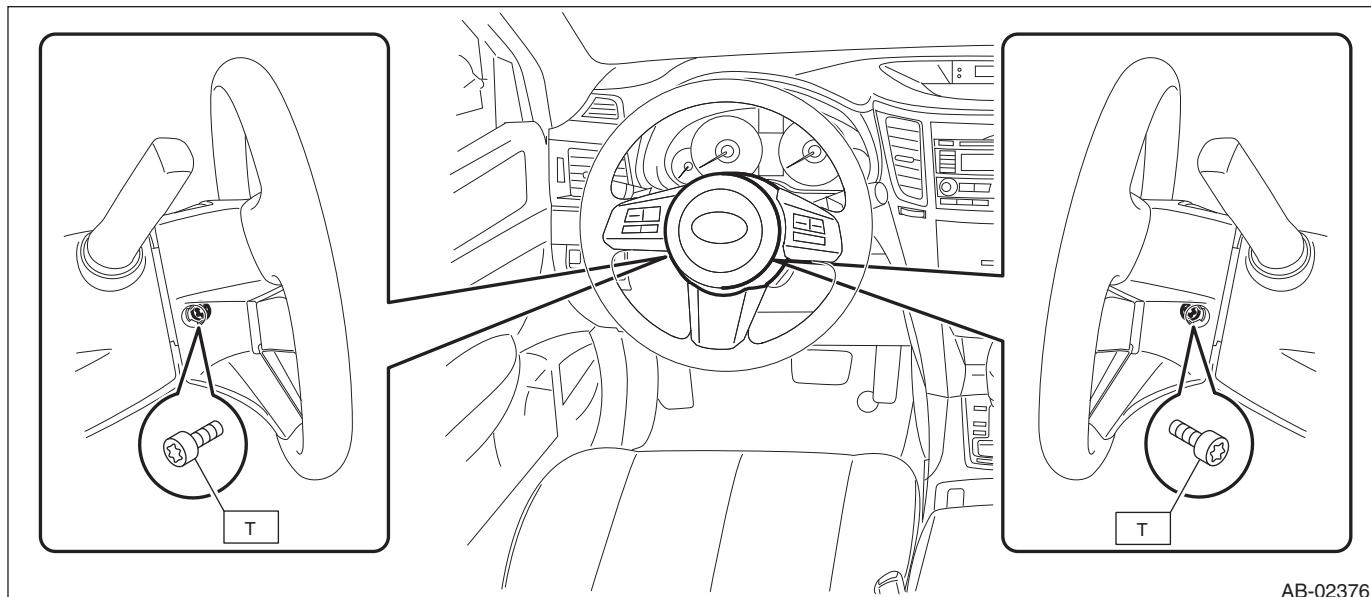
AB-02374

(1) Front sub sensor RH	(4) Airbag module ASSY (driver)	(7) Steering roll connector
(2) Front sub sensor LH	(5) Airbag module ASSY (passenger)	
(3) Airbag warning light (in combination meter)	(6) Airbag control module	



(1) Curtain airbag sensor LH	(6) Seat belt pretensioner LH	(11) Seat belt pretensioner RH
(2) Curtain airbag module LH	(7) Side airbag module LH	(12) Side airbag sensor RH
(3) Curtain airbag module RH	(8) Buckle switch RH	(13) Occupant detection sensor
(4) Occupant detection control module	(9) Curtain airbag sensor RH	
(5) Side airbag sensor LH	(10) Side airbag module RH	

## 1. DRIVER'S AIRBAG MODULE

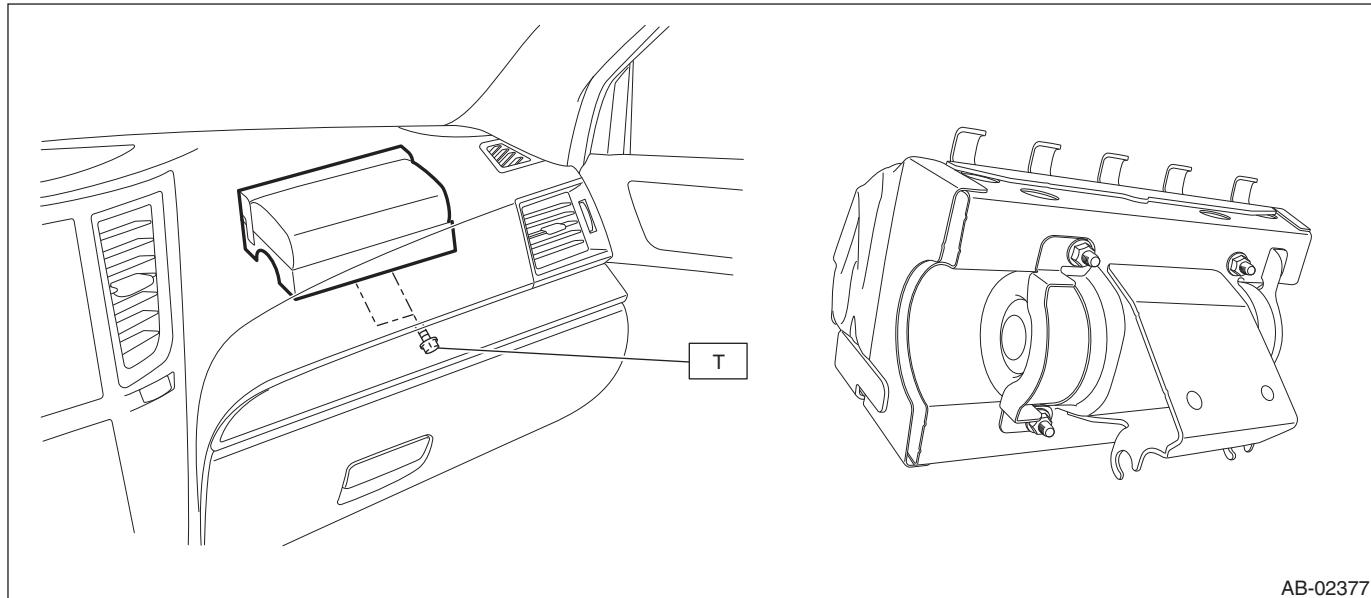


**Tightening torque:**  
**10 N·m (1.0 kgf·m, 7.4 ft-lb)**

# General Description

## AIRBAG SYSTEM

### 2. PASSENGER'S AIRBAG MODULE

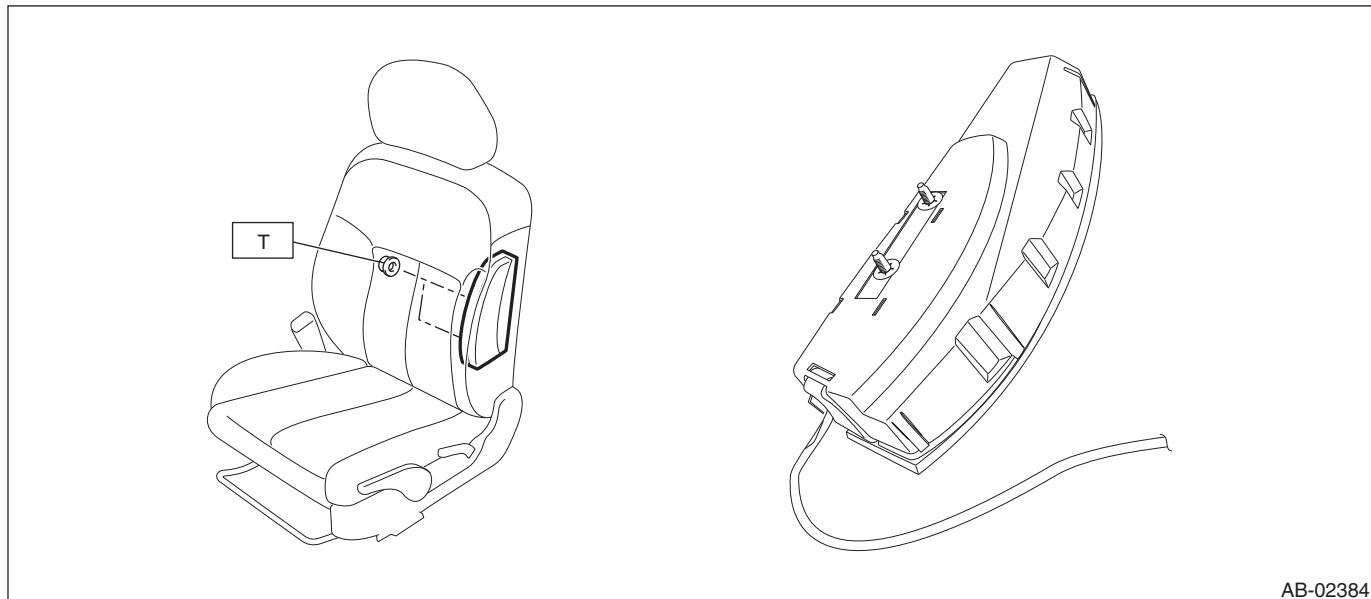


AB-02377

#### **Tightening torque:**

**7.5 N·m (0.76 kgf-m, 5.5 ft-lb)**

### 3. SIDE AIRBAG MODULE



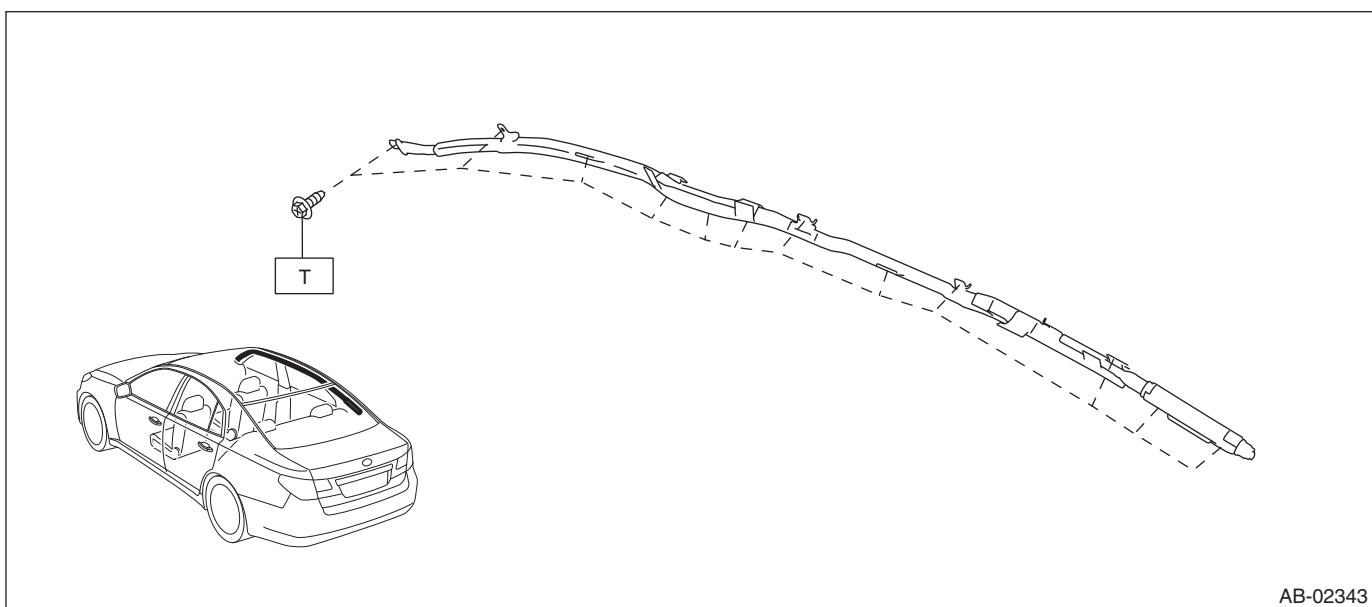
AB-02384

#### **Tightening torque:**

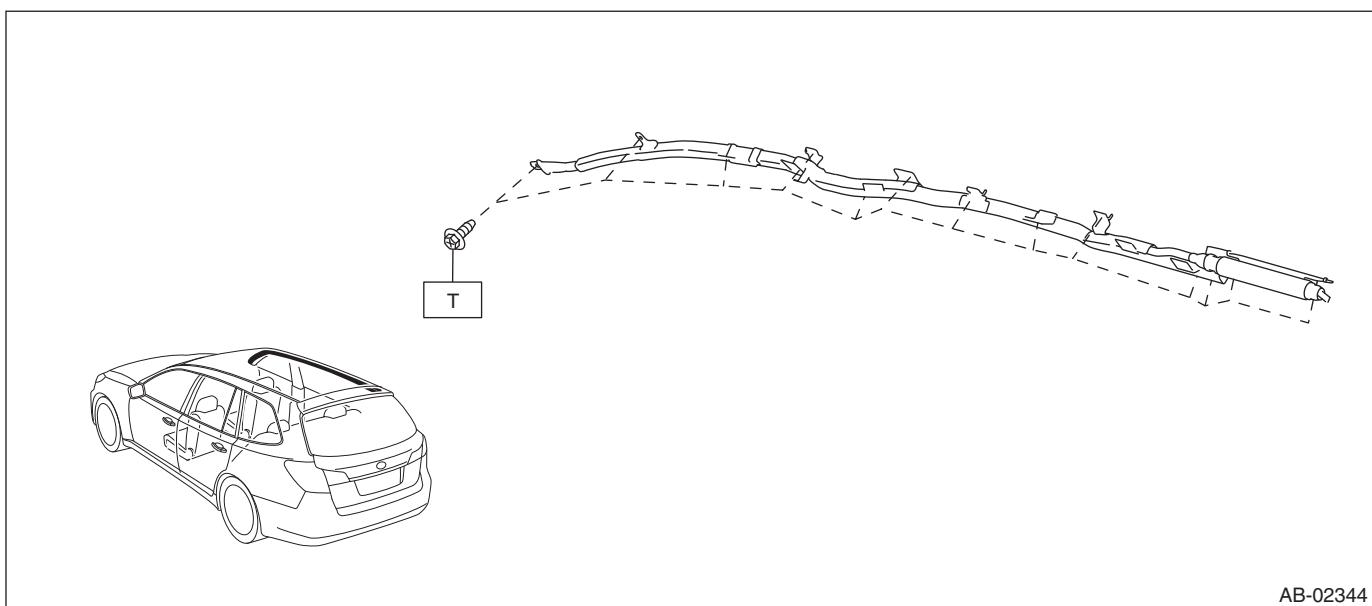
**6 N·m (0.61 kgf-m, 4.4 ft-lb)**

### 4. CURTAIN AIRBAG MODULE

- Sedan model



- OUTBACK model



**Tightening torque:**

**7.5 N·m (0.76 kgf·m, 5.5 ft-lb)**

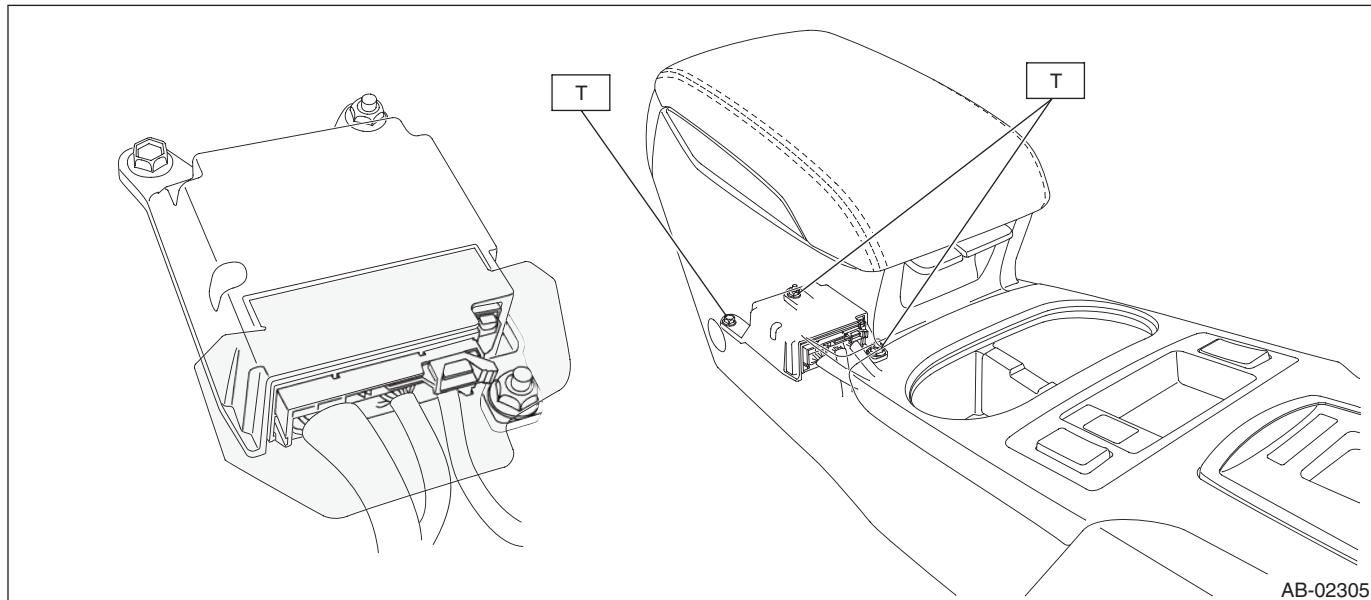
# General Description

## AIRBAG SYSTEM

### 5. AIRBAG CONTROL MODULE

#### CAUTION:

Do not reuse mounting bolts and nuts.



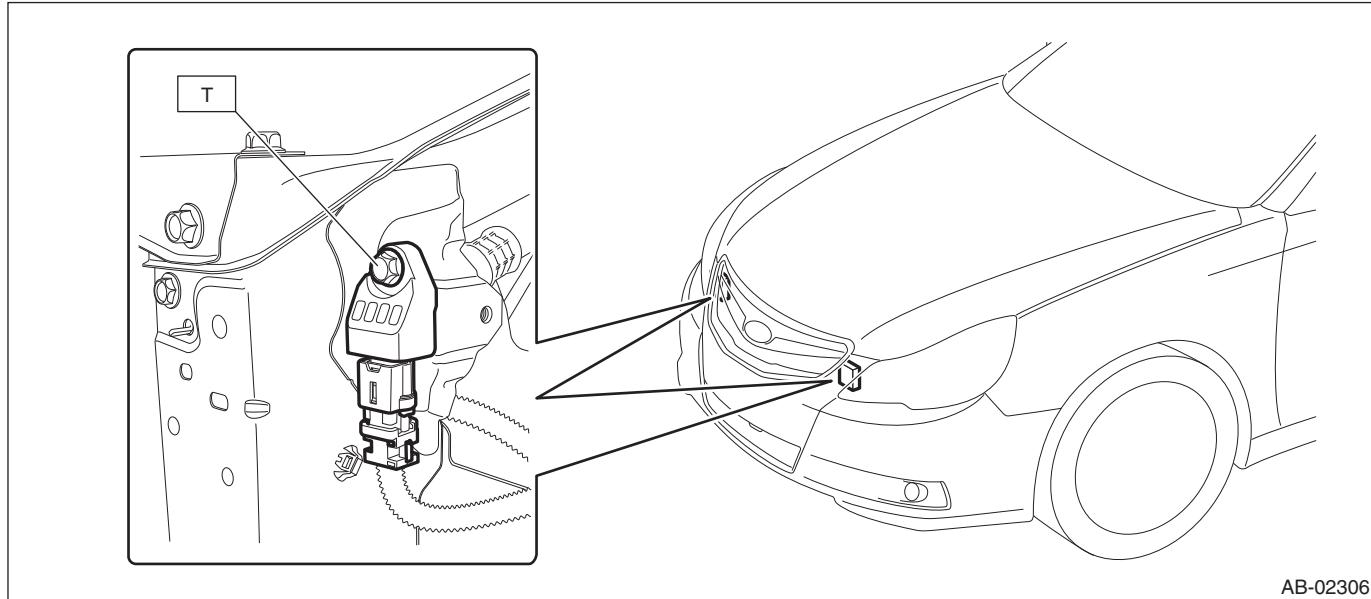
#### Tightening torque:

25 N·m (2.55 kgf·m, 18.4 ft-lb)

### 6. FRONT SUB SENSOR

#### CAUTION:

Do not reuse mounting bolts and nuts.



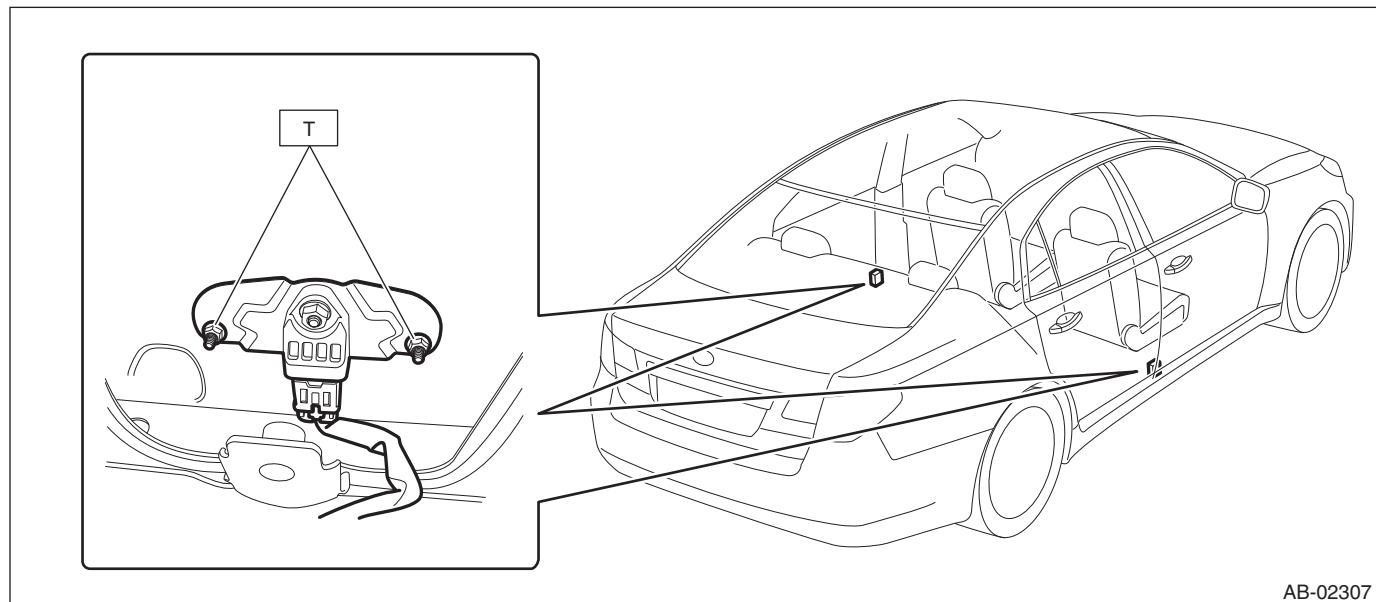
#### Tightening torque:

13 N·m (1.33 kgf·m, 9.6 ft-lb)

### 7. SIDE AIRBAG SENSOR

**CAUTION:**

Do not reuse mounting bolts and nuts.



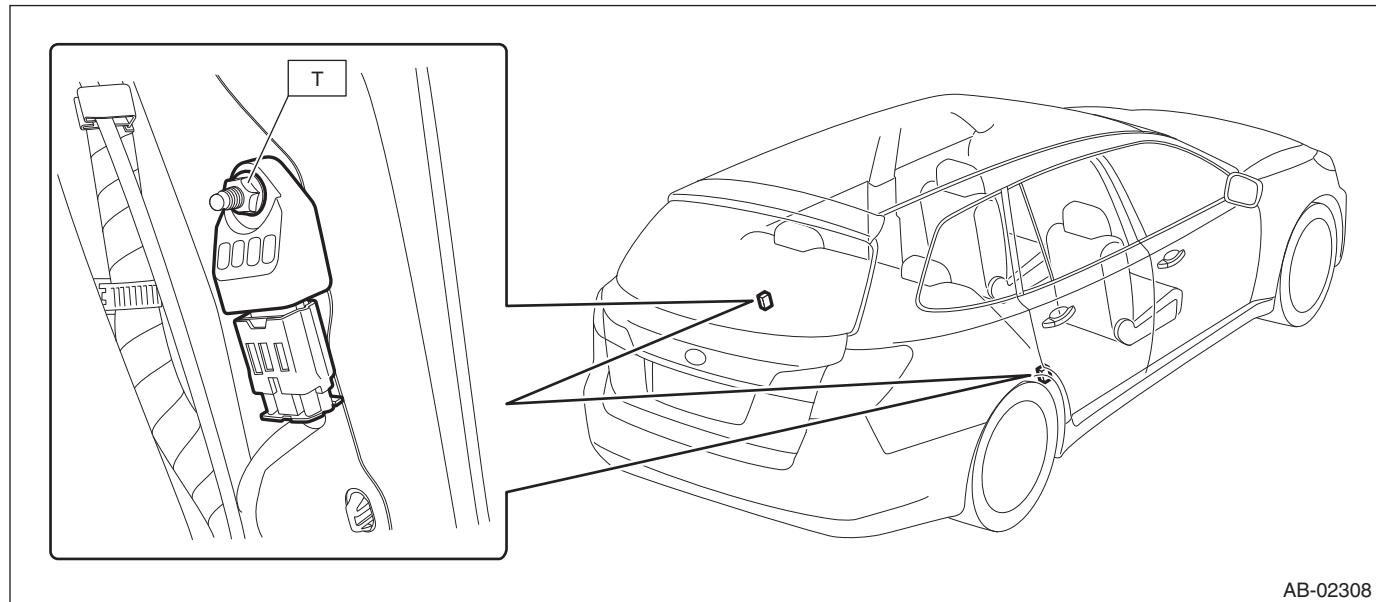
**Tightening torque:**

7.5 N·m (0.76 kgf·m, 5.5 ft-lb)

### 8. CURTAIN AIRBAG SENSOR

**CAUTION:**

Do not reuse mounting bolts and nuts.



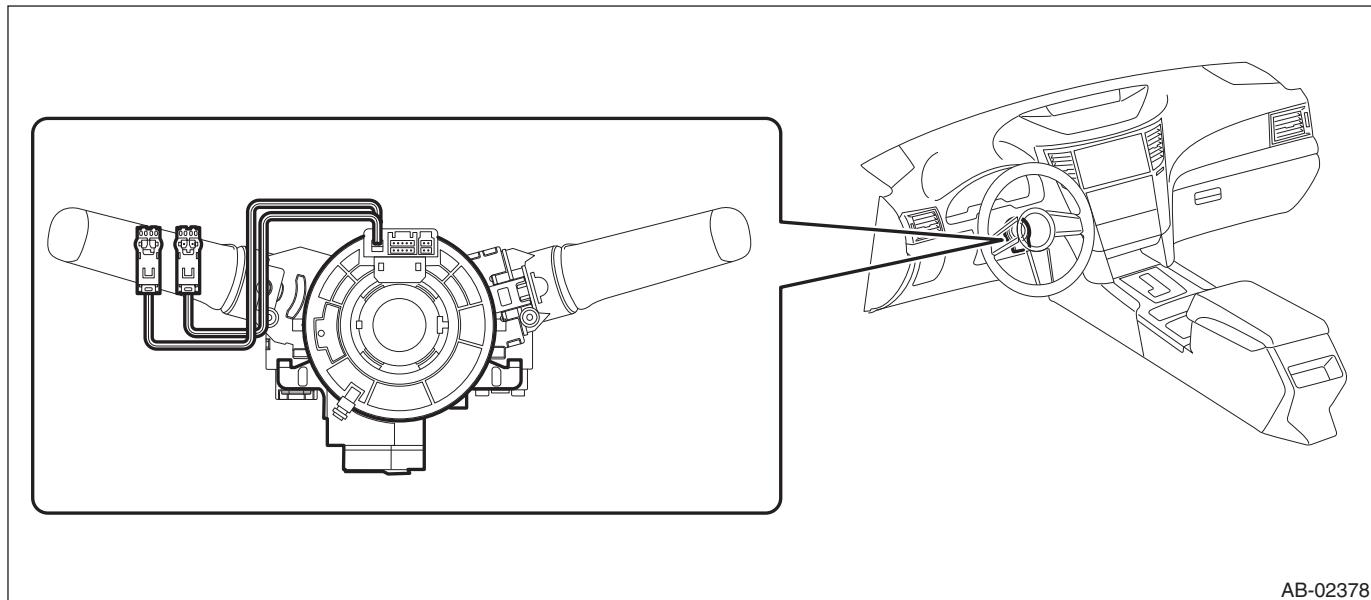
**Tightening torque:**

7.5 N·m (0.76 kgf·m, 5.5 ft-lb)

# General Description

## AIRBAG SYSTEM

### 9. STEERING ROLL CONNECTOR

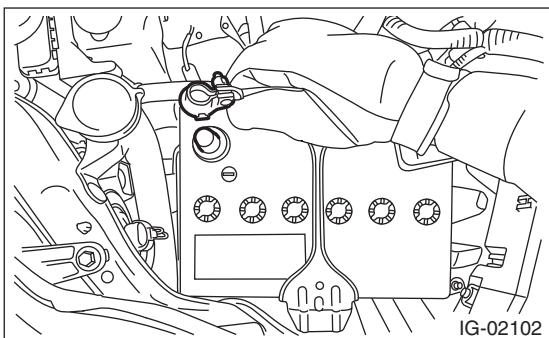


AB-02378

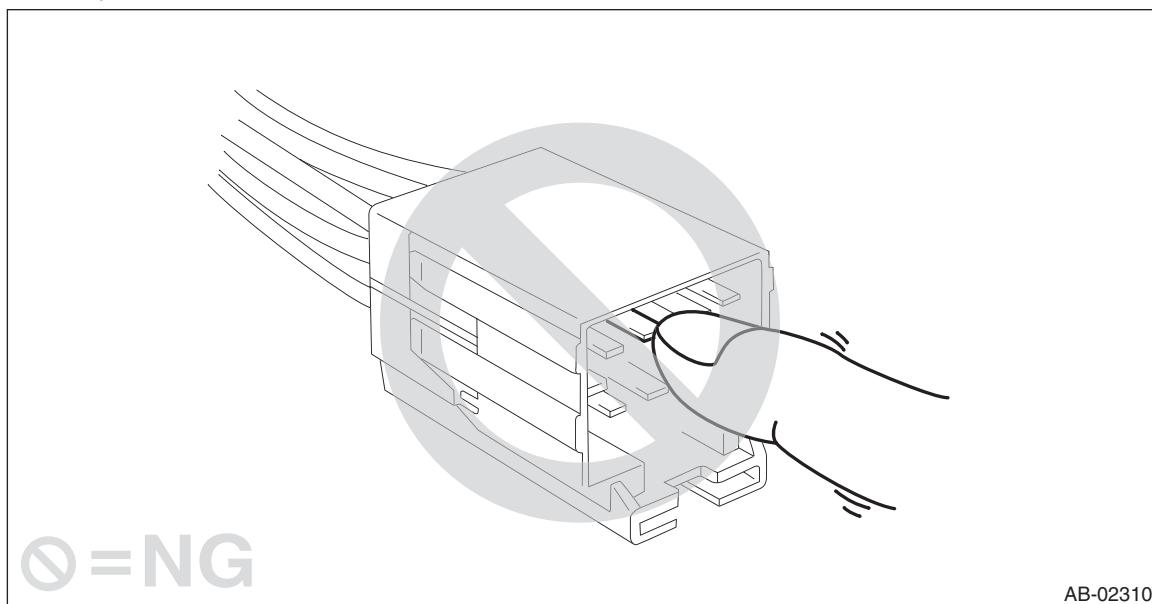
## B: CAUTION

### 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.



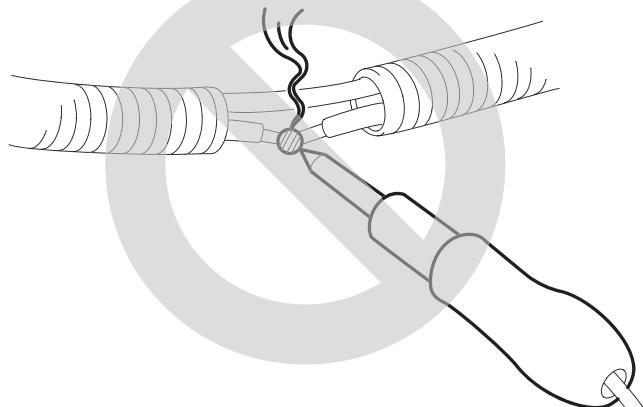
- When servicing a vehicle, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- Once the airbag warning light lights up, immediately inspect or repair the vehicle. Otherwise, the airbag system may malfunction.
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.



## General Description

### AIRBAG SYSTEM

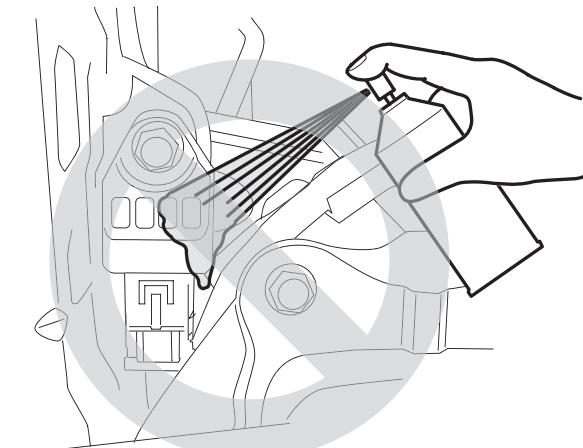
- If damage, open circuit or rust is found on airbag system wiring harness, do not repair the harness. Always replace the faulty harness with a new genuine part.



**ⓧ = NG**

AB-02311

- 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 side airbag sensors, curtain airbag sensor, and wiring harness of the airbag system.



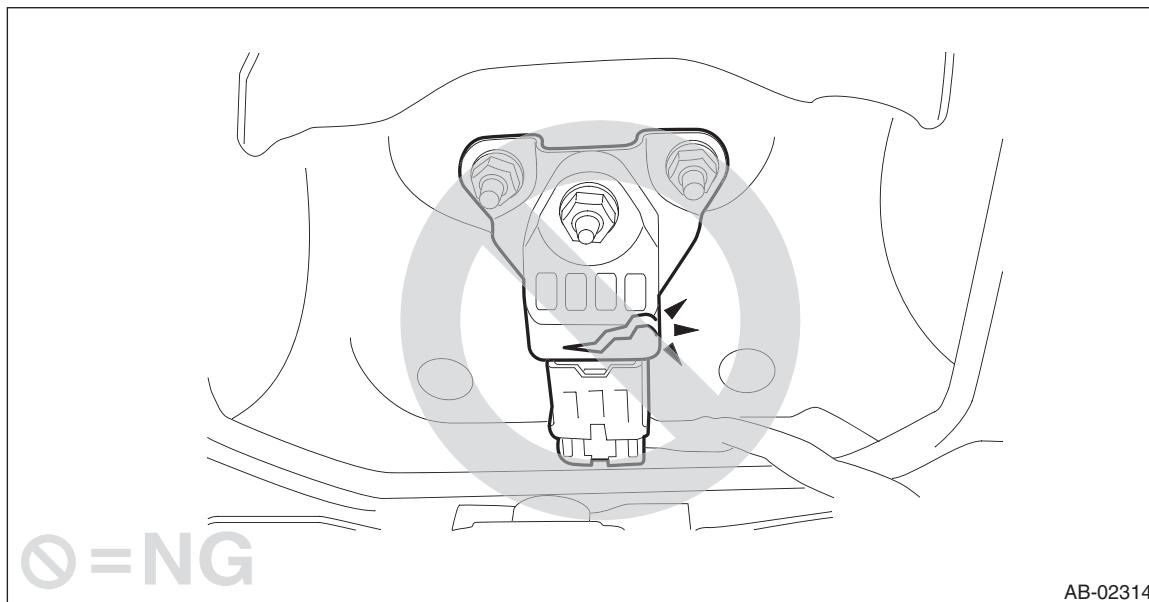
**ⓧ = NG**

AB-02312

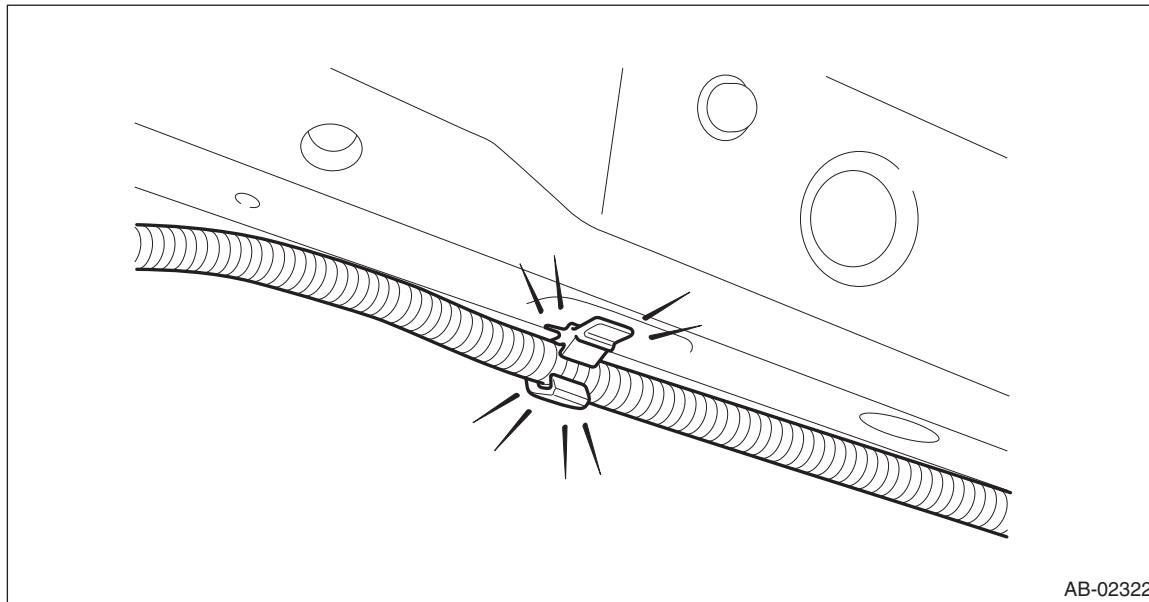
- When installing steering wheel and steering roll connector, be sure to adjust the steering roll connector.

## 2. BEFORE STARTING PARTS REPLACEMENT

- If airbag sensors, airbag module, airbag control module, pretensioners, or harnesses 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.

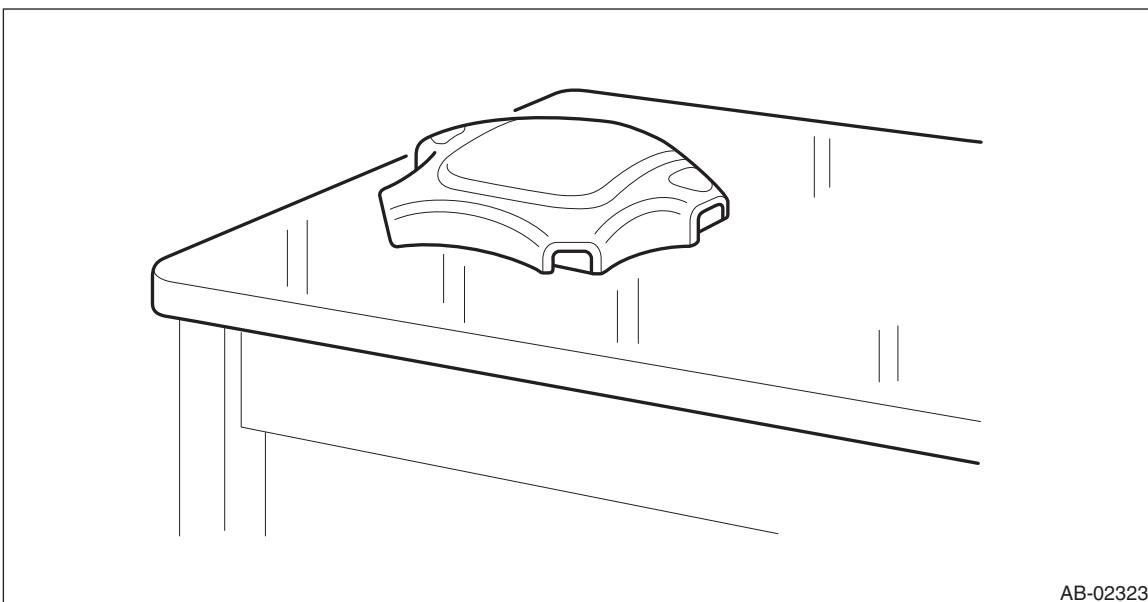


- Do not use the airbag or pretensioner parts from other vehicles. Always replace the defective parts with new parts.
- Never reuse any activated airbag module and pretensioner.
- Do not discard undeployed airbag or pretensioner.
- When airbag control module, front sub sensor, side airbag sensor and curtain airbag sensor are removed, do not reuse the bolts and nuts of them. Always use new bolts and nuts for them.
- When installing steering wheel and steering roll connector, be sure to adjust the steering roll connector.

## General Description

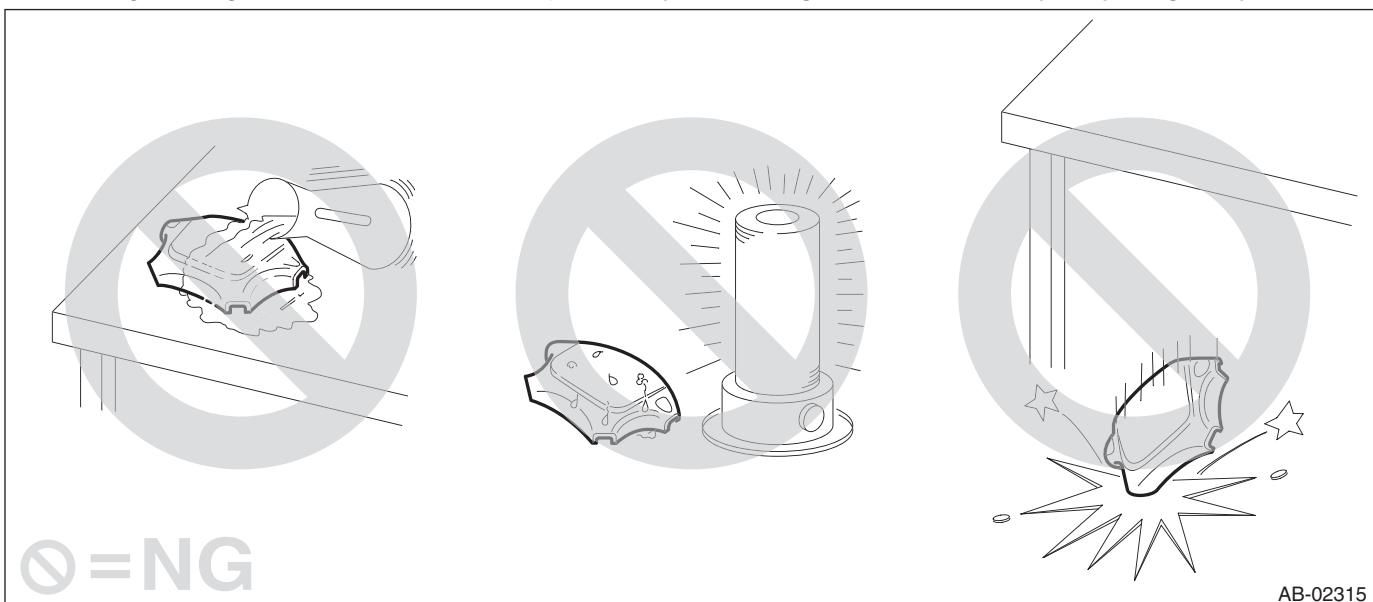
### AIRBAG SYSTEM

- After removal of each parts for airbag system, keep them with the pad facing upward on a dry, clean and flat surface without heat, light sources, moisture and dust.



AB-02323

- 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.



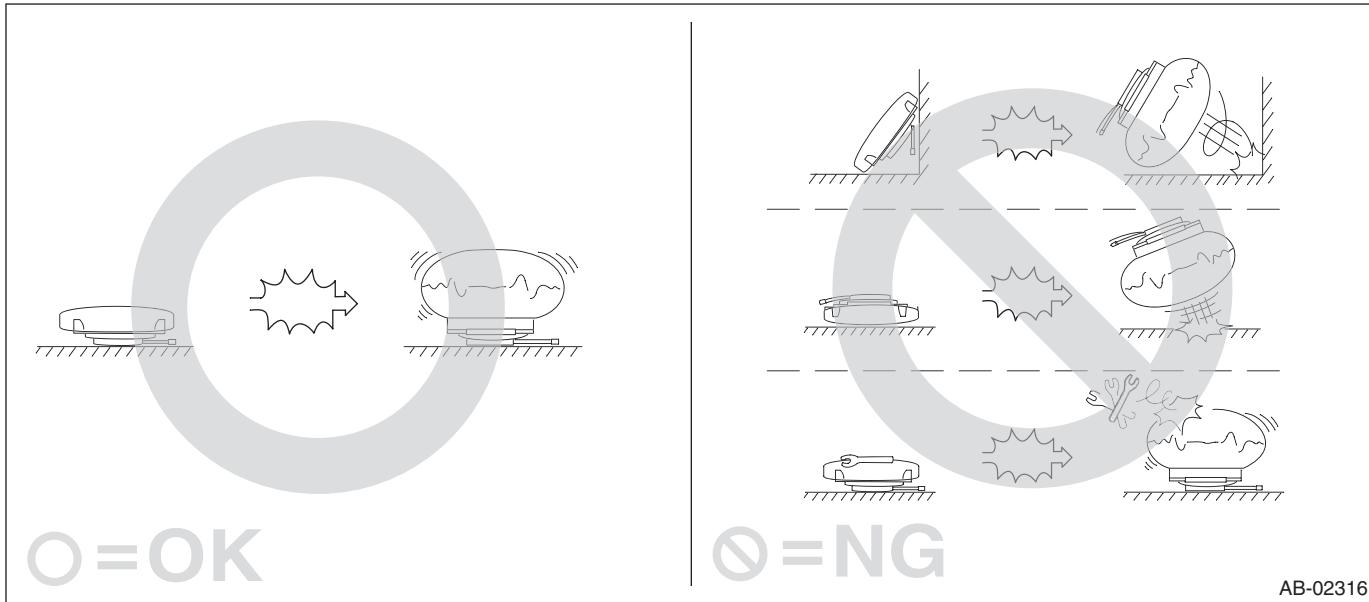
AB-02315

- When storing a removed airbag module, do not place it with the pad side of airbag 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.

# General Description

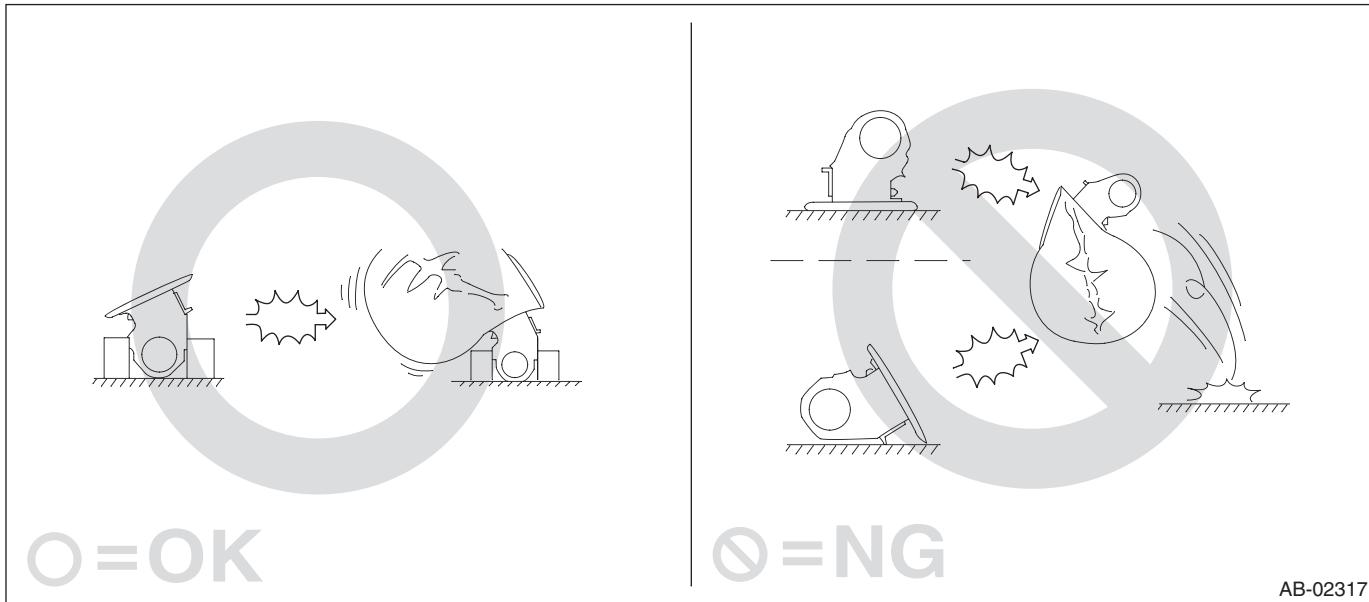
## AIRBAG SYSTEM

- Driver's airbag module



AB-02316

- Passenger's airbag module & side airbag module

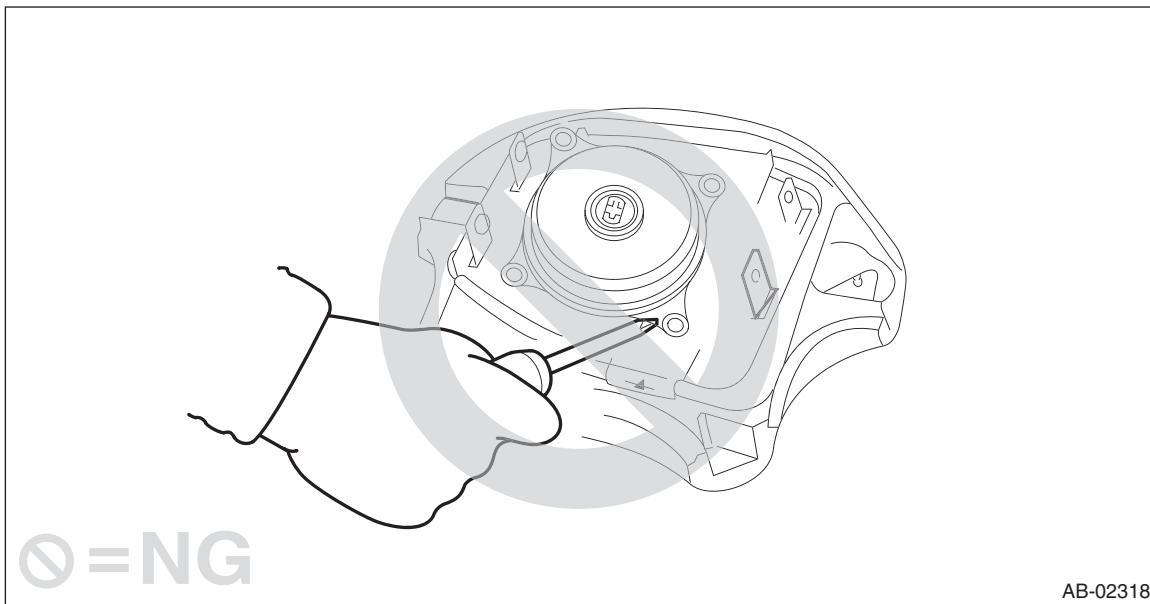


AB-02317

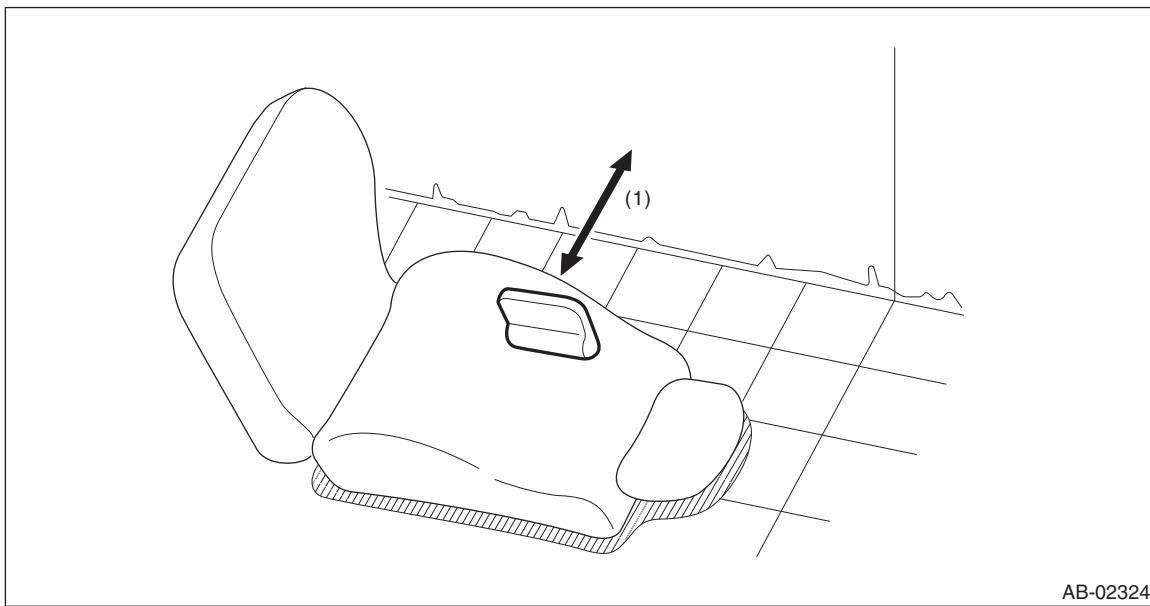
## General Description

### AIRBAG SYSTEM

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



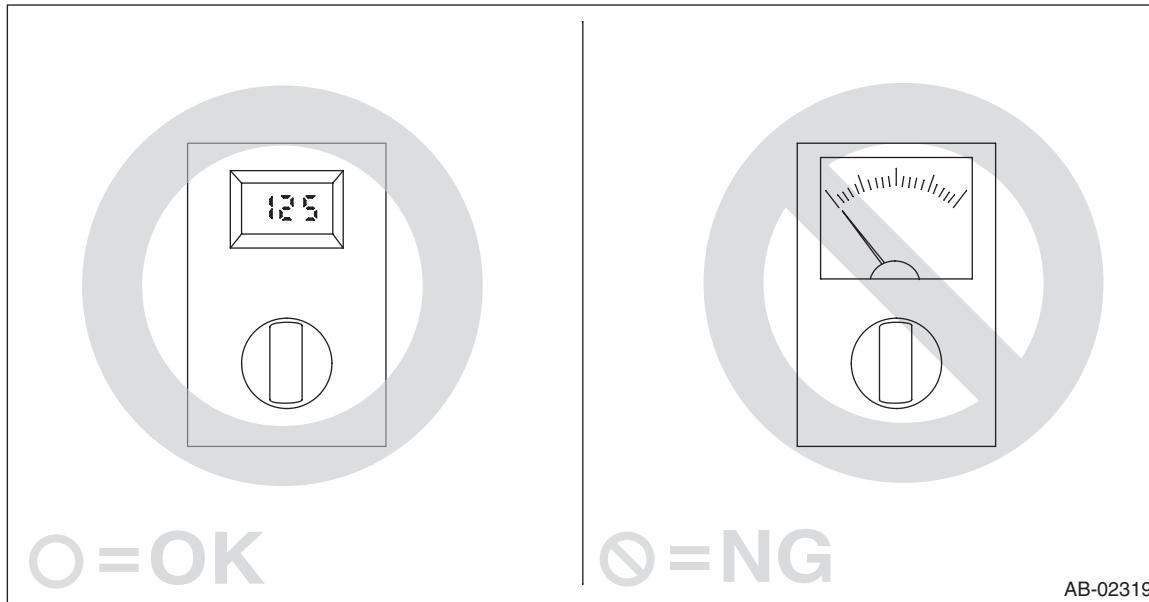
- The removed front seat with airbag module must be kept at least 200 mm (8 in) away from walls and other objects.



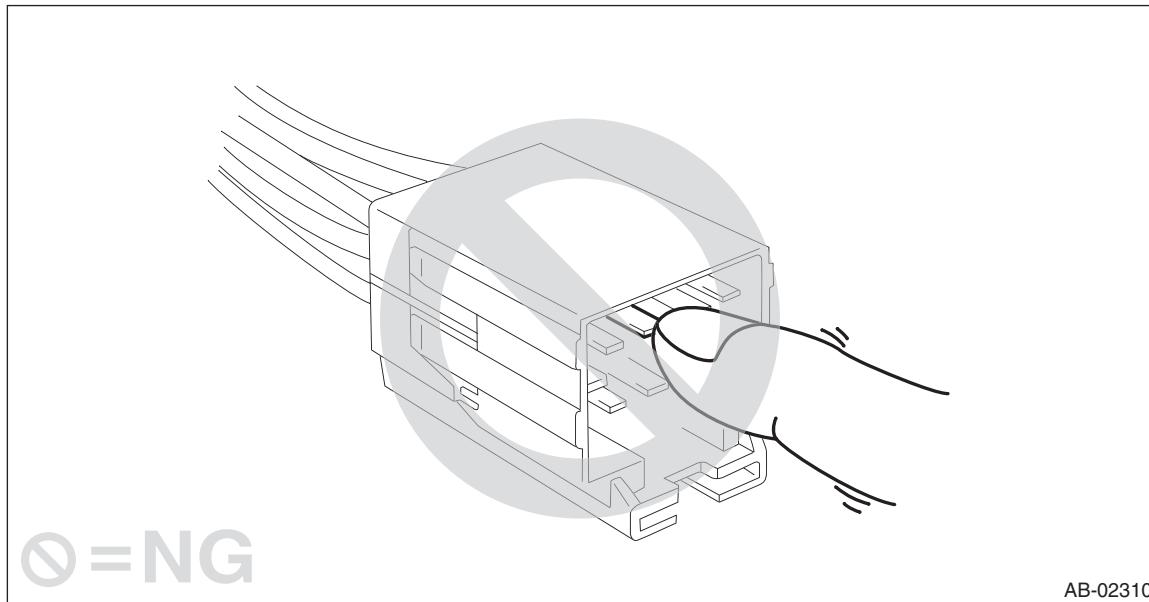
(1) 200 mm (8 in) or more

## 3. BEFORE STARTING TROUBLESHOOTING

- Even if any part is to be replaced as the result of diagnosis, do not use airbag parts or pretensioner parts 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.



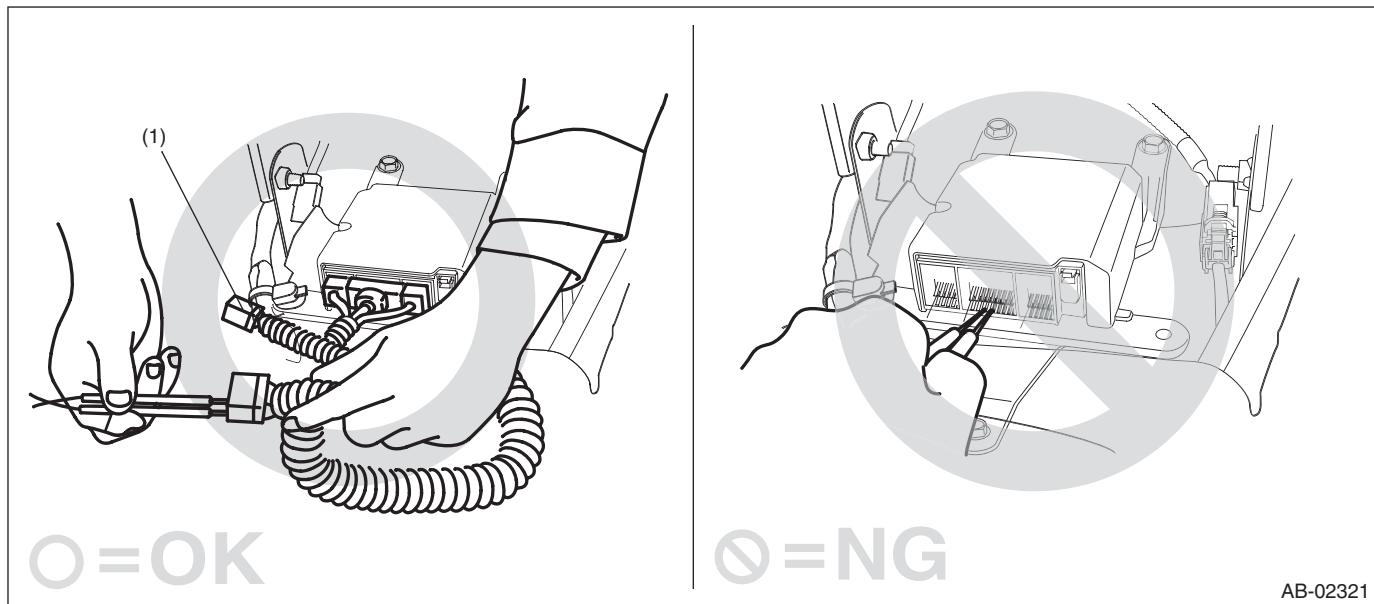
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.



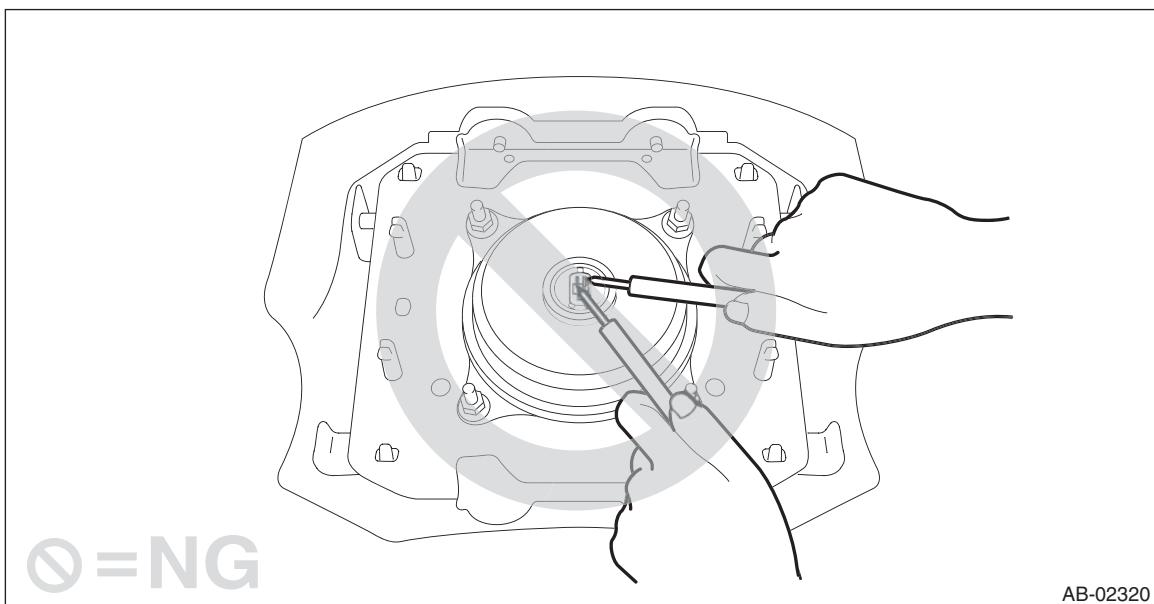
## General Description

### AIRBAG SYSTEM

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



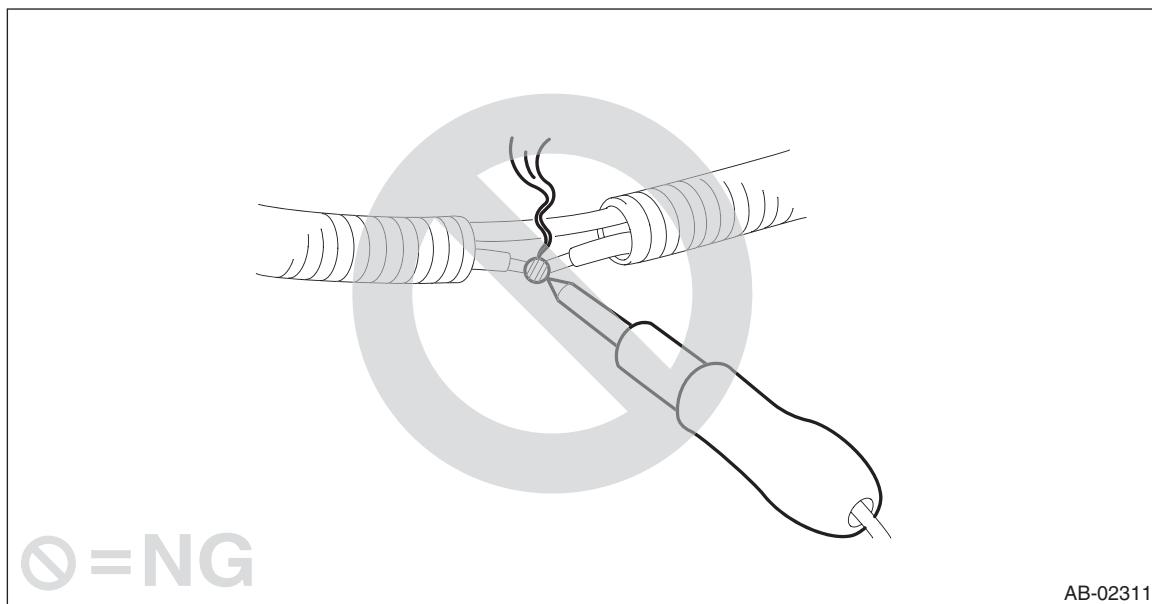
- Do not check continuity of the airbag modules for driver's side, passenger's side and curtain, or the pretensioner.



## General Description

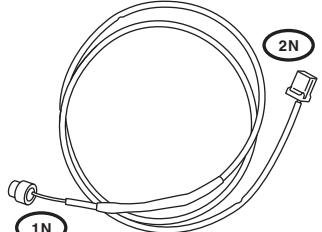
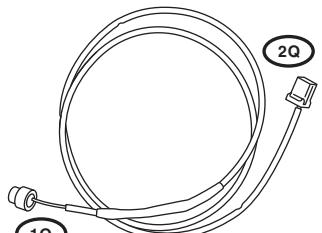
### AIRBAG SYSTEM

- 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.



## 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
TORX® T30	Used for removing/installing driver's airbag module.
STEERING WHEEL PULLER	Used for removing the steering wheel.