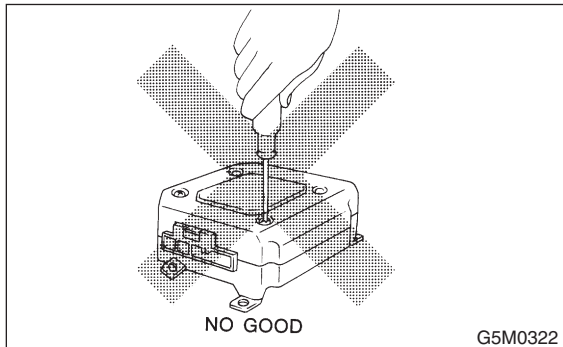


6. Airbag Control Module S802302

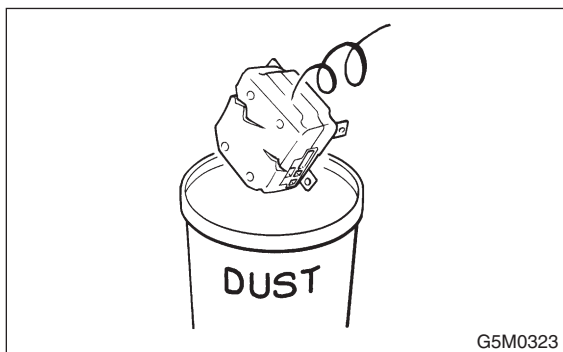
A: REMOVAL S802302A18

CAUTION:

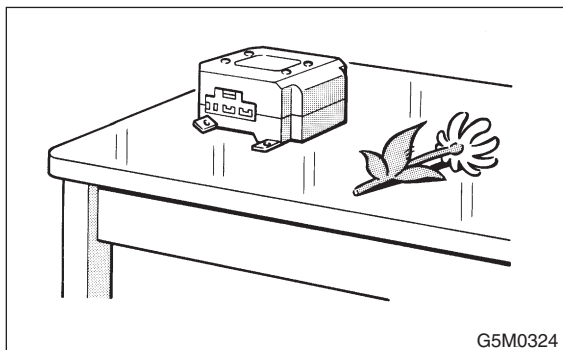
- Do not disassemble the airbag control module.



- If the airbag control module is deformed, or if water damage is suspected, replace the airbag control module with a new genuine part.



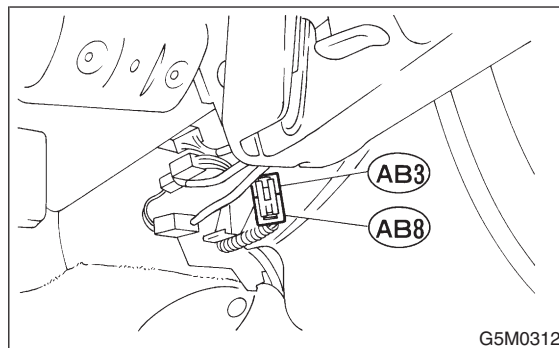
- After removal, keep the airbag control module on a dry, clean surface away from heat and light sources, and moisture and dust.



- Remove lower cover. <Ref. to EI-25 REMOVAL, Instrument Panel Assembly.>
- Disconnect airbag connector (AB3) and (AB8) below steering column.

CAUTION:

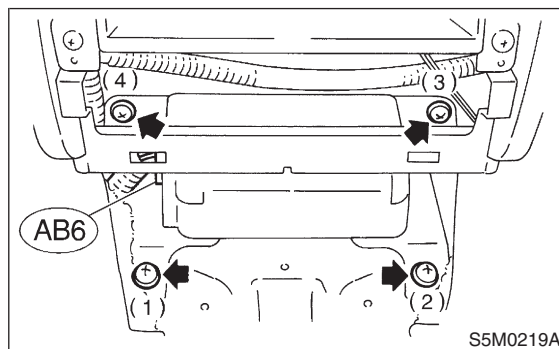
Do not reconnect airbag connector at steering column until airbag control module is securely re-installed.



- Remove instrument panel console. <Ref. to EI-24 REMOVAL, Console Box.>
- Disconnect connector from airbag control module.
- Using T40 TORX® bit (Tamper resistant type), remove four TORX® bolts in numerical sequence shown in figure. Discard the old TORX® bolts.

CAUTION:

Use new TORX® bolts during re-assembly.



B: INSTALLATION S802302A11

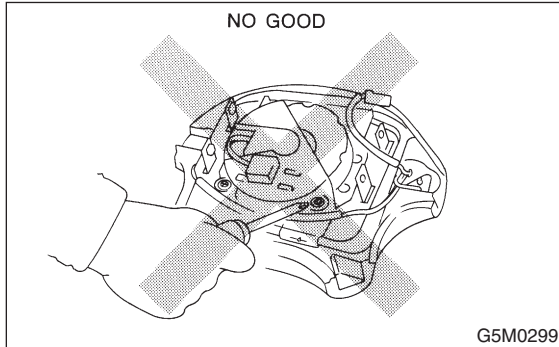
Install in the reverse order of removal.

- Turn ignition switch off.
- Disconnect ground cable from battery and wait for at least 20 seconds before starting work.

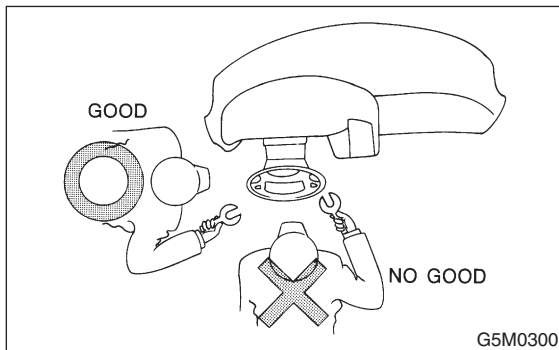
3. Driver's Airbag Module S802307

A: CAUTION S802307A03

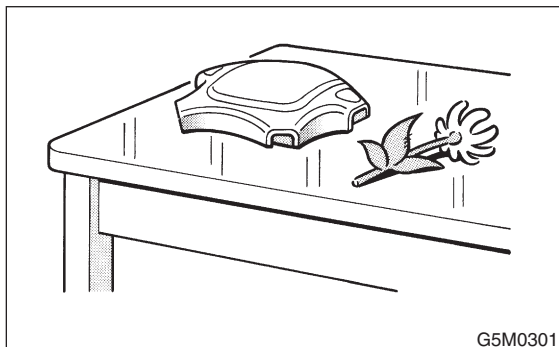
- The airbag module must not be disassembled. The airbag module cannot be used again once inflated.



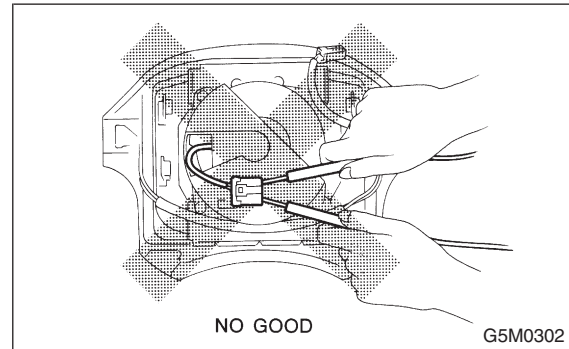
- When removing and installing the airbag module, the operator should stand, as much as possible, on the side of the airbag module.



- After removal, the airbag module should be kept away from heat and light sources, and stored on a clean, flat surface to prevent from any damage to its lower structure.



- Do not check airbag module continuity with airbag removed from the vehicle body.

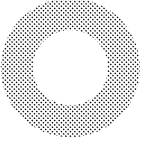
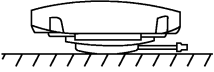
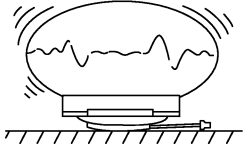
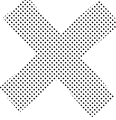
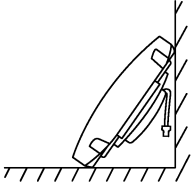
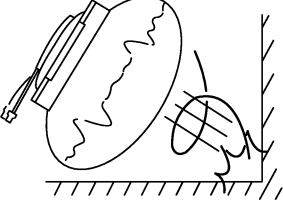
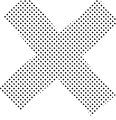
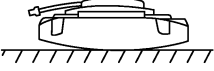
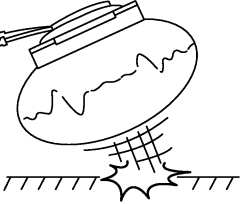
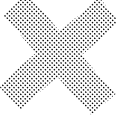
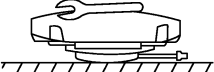


- Replace airbag module with a new one, should any of the following conditions develop:
 - Pad surface is scratched or cracked.
 - Connector harness is damaged.
 - Inflator side structure of module is cracked or deformed.
 - Module is excessively stained with water, oil, etc.
 - Module was accidentally dropped.

DRIVER'S AIRBAG MODULE

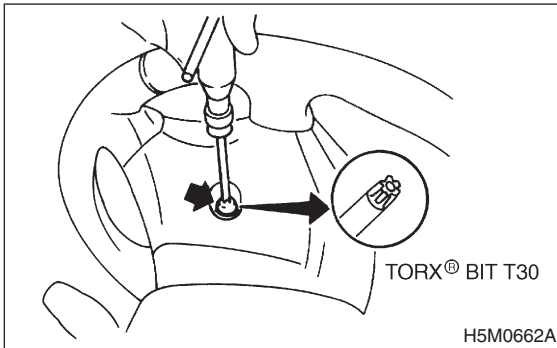
Airbag System

- When storing a removed airbag module, be sure to place it in parallel with floor with the pad facing up. Do not place it against a wall, or place anything on the pad; otherwise, a dangerous condition may be created if the module malfunctions.

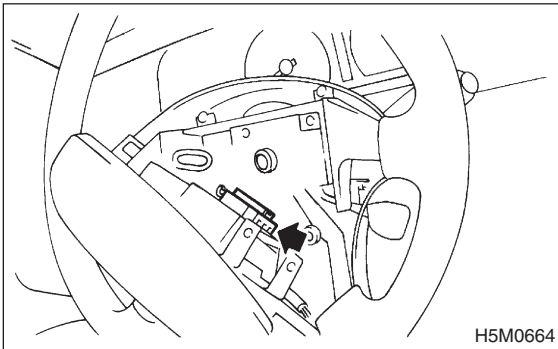
GOOD 			
NO GOOD 			
NO GOOD 			
NO GOOD 			
H5M0965A			

B: REMOVAL S802307A18

- 1) Set front wheels in straight ahead position.
- 2) Turn ignition switch off.
- 3) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- 4) Using TORX® BIT T30, remove two TORX® bolts.



- 5) Disconnect airbag connector on back of airbag module.



- 6) Refer to "CAUTION:" for handling of a removed airbag module. <Ref. to AB-7 CAUTION, Driver's Airbag Module.>

C: INSTALLATION S802307A11

Install in the reverse order of removal.

CAUTION:

Do not allow harness and connectors to interfere or get caught with other parts.

8. Front Sub Sensor

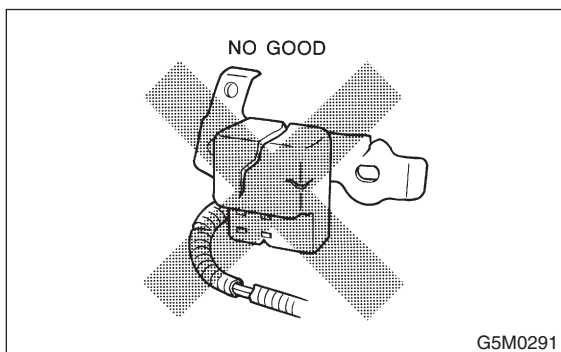
S802300

A: REMOVAL

S802300A18

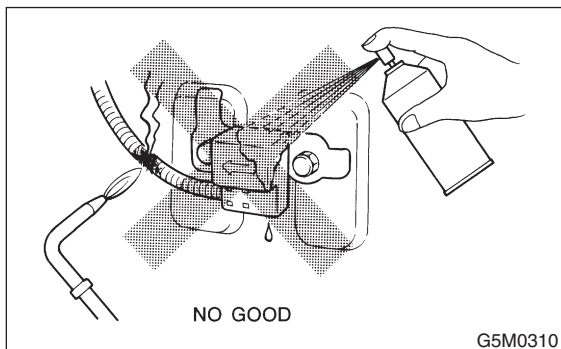
CAUTION:

- If the front end of the vehicle body is damaged by a collision, be sure to check the left and right front sub sensors, even if the airbag was not inflated. If any damage to the sensor or any deformation of the sensor mount is found, replace with a new genuine part.



G5M0291

- When painting or performing sheet metal work on the front part of vehicle body, including the front wheel apron, front fender and front side frame, take utmost care not to apply dryer heat, painting mist, or the flame of the welding burner directly to the front sub sensors and wire harness of the airbag system.



G5M0310

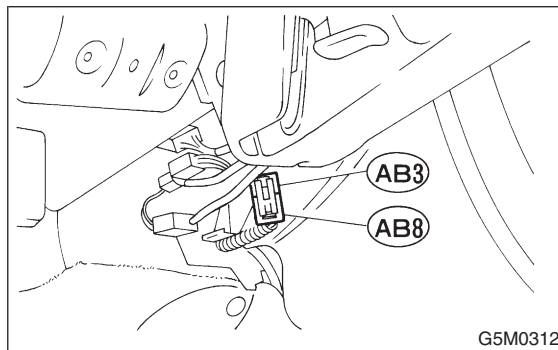
1. FRONT SUB SENSOR HARNESS

S802300A1801

- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- 3) Remove lower cover. <Ref. to EI-25 REMOVAL, Instrument Panel Assembly.>
- 4) Disconnect airbag connector (AB3) and (AB8) below steering column.

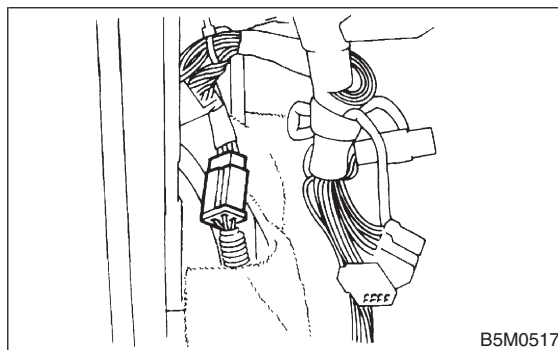
CAUTION:

Do not reconnect airbag connector at steering column until front sub sensors are securely re-installed.



G5M0312

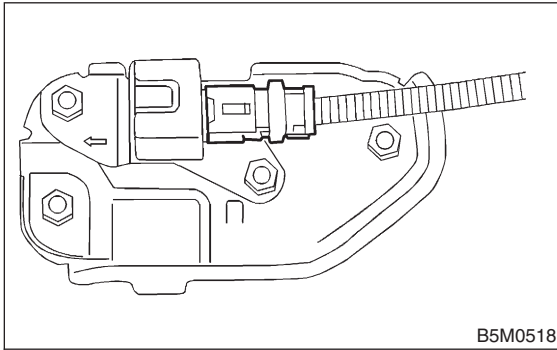
- 5) Remove front side sill cover and then disconnect front sub sensor connector.



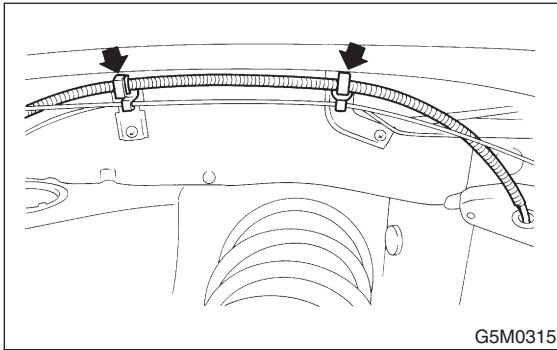
B5M0517

- 6) Remove front wheel and mud guard.

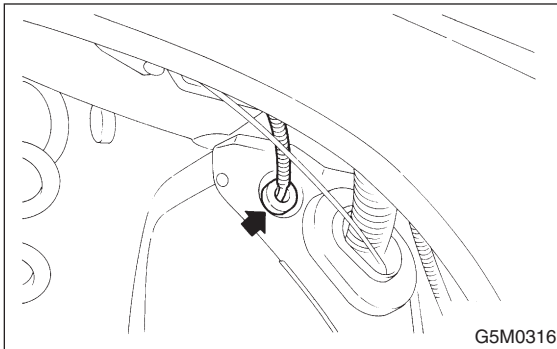
7) Disconnect connector from front sub sensor assembly.



8) Remove wiring harness clips.



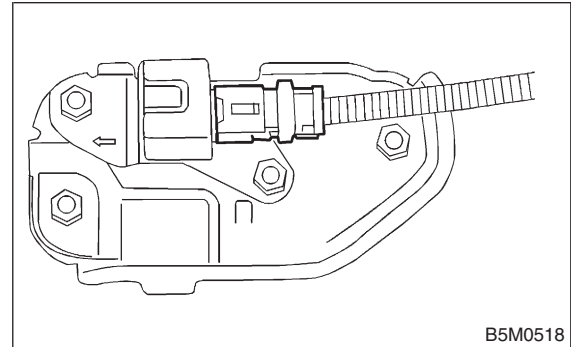
9) Remove grommet and then detach front sub sensor harness.



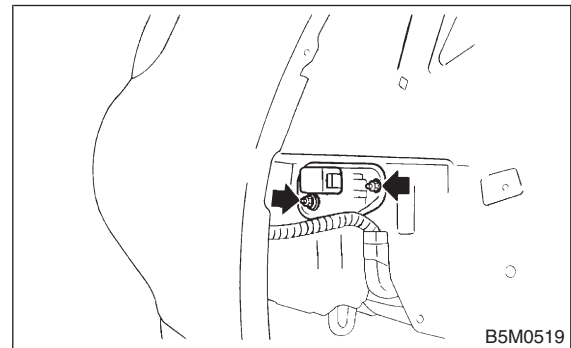
2. FRONT SUB SENSOR ASSEMBLY

S802300A1802

- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- 3) Remove front wheel and mud guard.
- 4) Disconnect connector from front sub sensor assembly.



5) Remove front sub sensor.



B: INSTALLATION

S802300A11

1. FRONT SUB SENSOR HARNESS

S802300A1101

Install in the reverse order of removal.

2. FRONT SUB SENSOR ASSEMBLY

S802300A1102

Install in the reverse order of removal.

FRONT SUB SENSOR

Airbag System

MEMO:

GENERAL DESCRIPTION

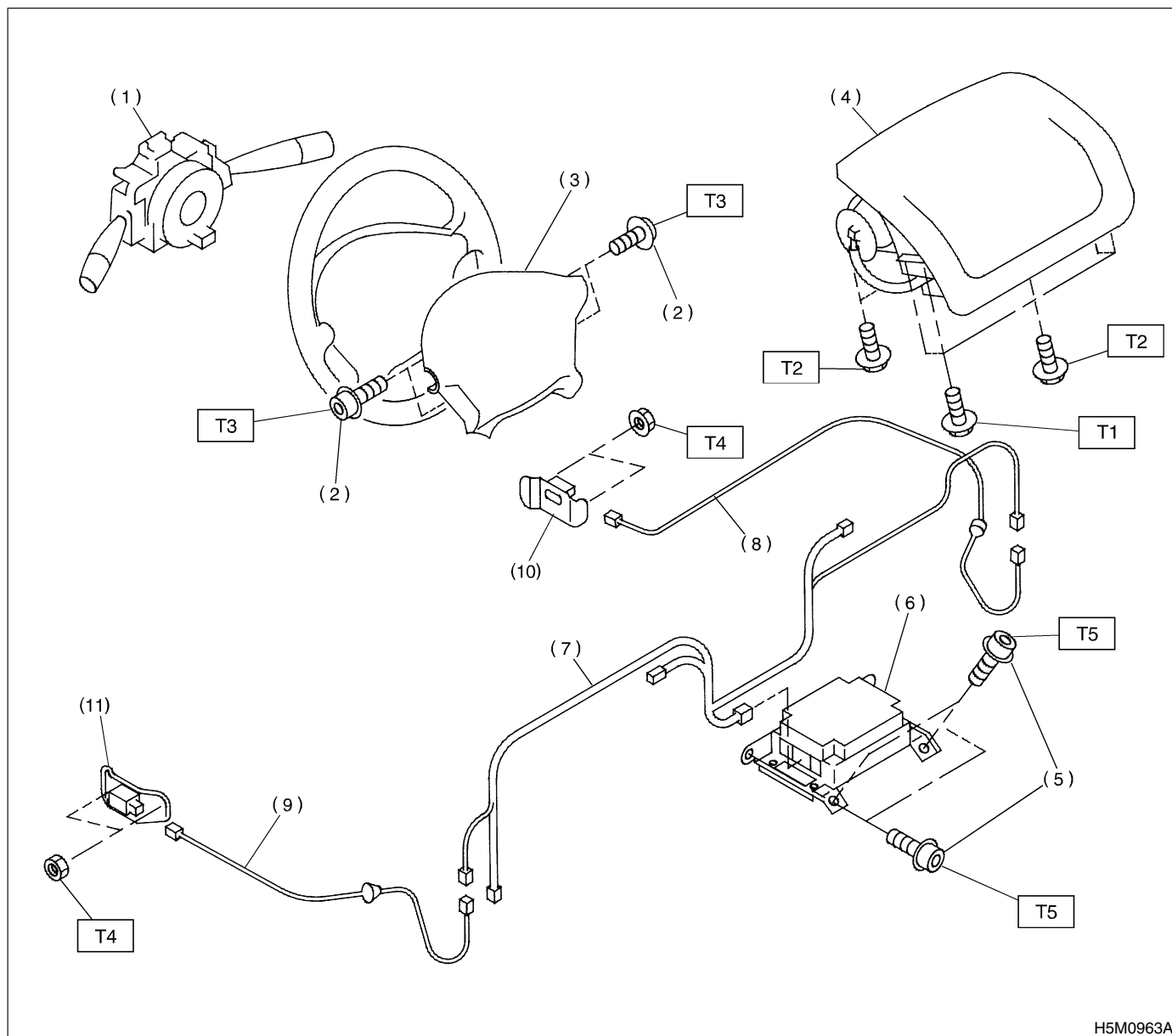
Airbag System

1. General Description

S802001

A: COMPONENT

S802001A05



H5M0963A

- (1) Combination switch ASSY with roll connector
- (2) TORX® bolt T30
- (3) Airbag module ASSY (Driver)
- (4) Airbag module ASSY (Passenger)
- (5) TORX® bolt T40

- (6) Airbag control module
- (7) Airbag main harness
- (8) Front sub sensor harness (RH)
- (9) Front sub sensor harness (LH)
- (10) Front sub sensor (RH)
- (11) Front sub sensor (LH)

Tightening torque: N·m (kgf-m, ft-lb)

T1: 4.4 (0.45, 3.3)

T2: 7.4 (0.75, 5.4)

T3: 10 (1.0, 7.2)

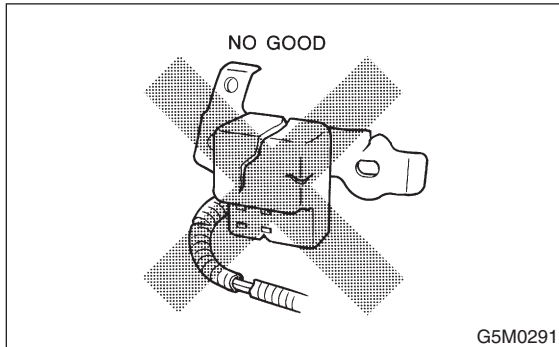
T4: 20 (2.0, 14.5)

T5: 25 (2.5, 18.1)

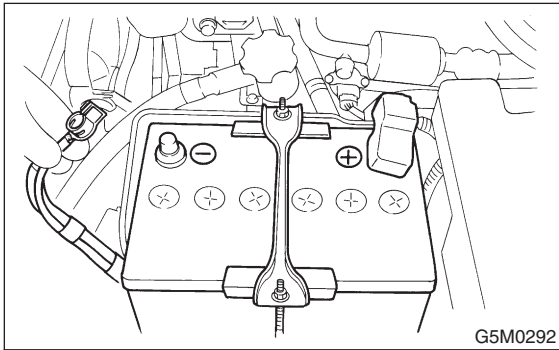
B: CAUTION

S802001A03

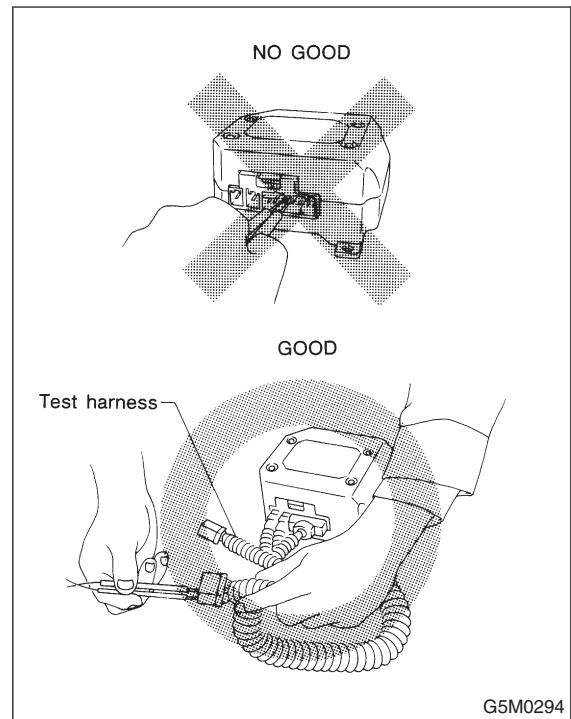
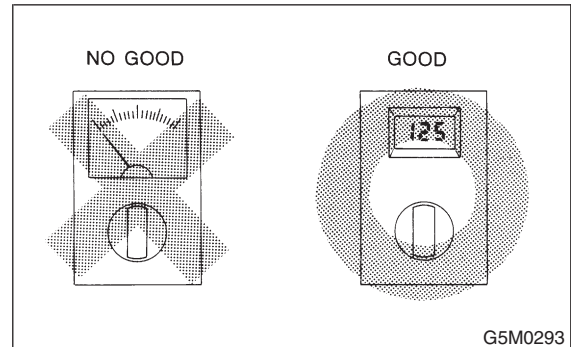
- If any of the airbag system parts such as sensors, airbag module, airbag control module and harness are damaged or deformed, replace with new genuine parts.



- When servicing, be sure to turn the ignition switch off, disconnect the negative (-) battery terminal then the positive (+) terminal in advance, and wait for more than 20 seconds before starting work.



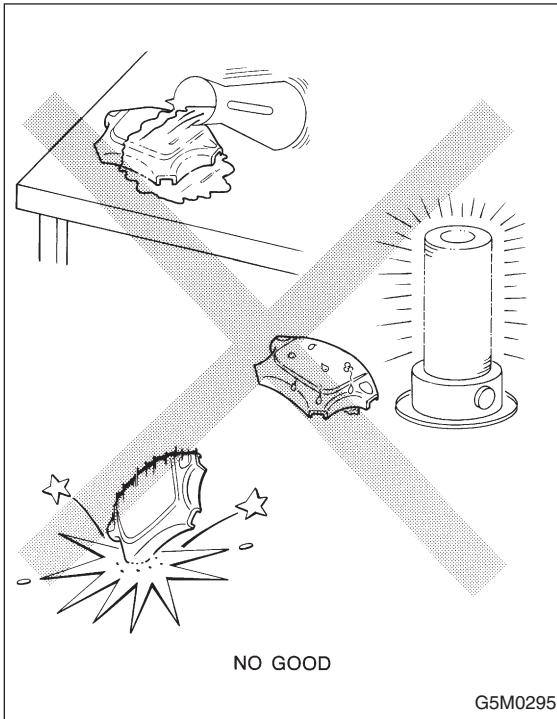
- When checking the system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously. Do not directly apply the tester probe to any connector terminal of the airbag. When checking, use a test harness.



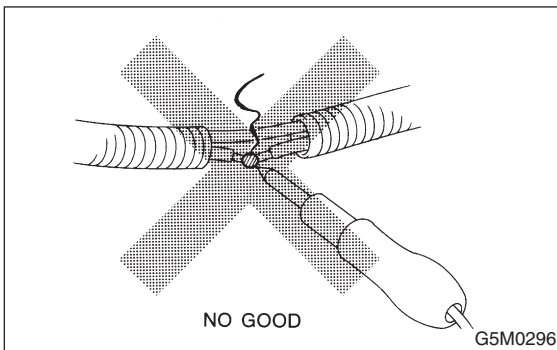
GENERAL DESCRIPTION

Airbag System

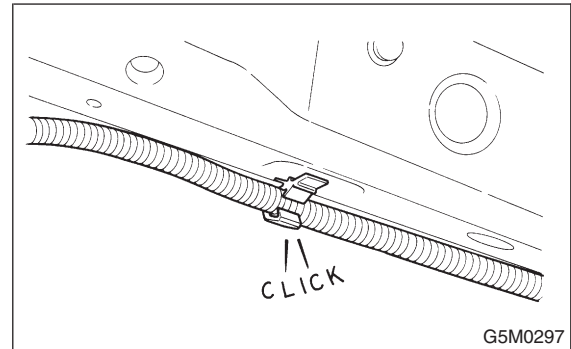
- Do not drop the airbag modulator parts, subject it to high temperatures over 90°C (194°F), or apply oil, grease, or water to it; otherwise, the internal parts may be damaged and its reliability greatly lowered.



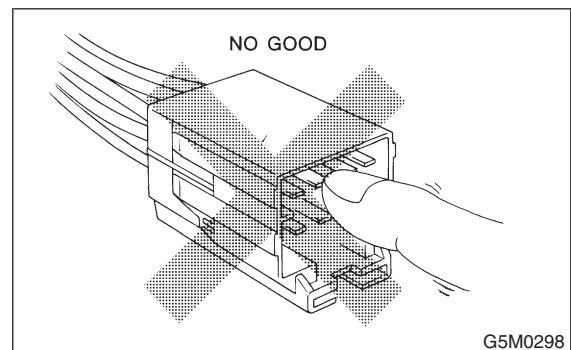
- If any damage or open is found on the SRS airbag system wire harness, do not attempt to repair using soldering, etc. Be sure to replace the faulty harness with a new genuine part.



- Install the wire harness securely with the specified clips so as to avoid interference or jamming with other parts.



- Before connecting the airbag system to ground, make sure that the grounding terminal is free from paint and contamination.
- Do not allow water or oil to come in contact with the connector terminals. Do not touch the connector terminals.



- When connecting or disconnecting airbag connector, make sure ignition switch is OFF.

C: PREPARATION TOOL S802001A17

1. GENERAL TOOL S802001A1702

TOOL NAME	REMARKS
TORX® T30	Used for removal/installation of driver's airbag module.
TORX® T40 (Tamper resistant type)	Used for removal/installation of airbag control module.
TORX® E12	Used for removal of side airbag sensor.

2. Inspection Locations After a Collision S802306

A: INSPECTION S802306A10

If the vehicle equipped with an SRS airbag system is damaged in a collision, the airbag system parts must be checked and replaced in accordance with the following standards:

- After faulty parts are replaced, the warning light operation must be checked.
- When the ignition switch is turned ON, it lights up for 8 seconds and then it goes out for at least 30 seconds.
- The trouble code stored in memory must be erased after the check.

1. AIRBAG MODULE (DRIVER AND PASSENGER) S802306A1012

• INSPECTION STANDARD

- The vehicle damaged in a collision (regardless of whether or not airbag is deployed).
- The designated trouble code is output during self-diagnosis. <Ref. to AB-2 PROCEDURE, Basic Diagnostic Procedure.>

• REPLACEMENT STANDARD

- Airbag is deployed.
- The pad surface is scratched or cracked.
- Harness and/or connector is deformed or cracked, their circuits are broken, lead wire is exposed, etc.
- Mounting bracket is cracked or deformed.
- The module surface is fouled with foreign matter. (grease, oil, water, cleaning solvent, etc.)
- Airbag module dropped to the floor/ground.
- Airbag module determined as faulty during self-diagnosis.

2. AIRBAG CONTROL MODULE S802306A1004

• INSPECTION STANDARD

- A vehicle damaged in a collision (regardless of whether or not airbag is deployed)
- The designated trouble code is output during self-diagnosis. <Ref. to AB-2 PROCEDURE, Basic Diagnostic Procedure.>

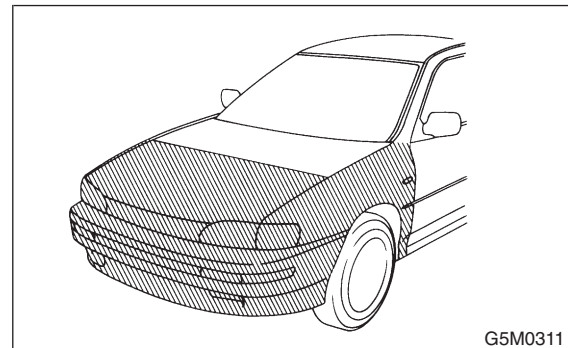
• REPLACEMENT STANDARD

- Control module is cracked or deformed.
- Mounting bracket is cracked or deformed.
- Connector is scratched or cracked.
- Control module dropped to the floor/ground.
- Control module determined as faulty during diagnostics.
- Airbag is deployed.

3. FRONT SUB SENSOR S802306A1005

• INSPECTION STANDARD

- Check the front section (Refer to shaded area of vehicle in figure) for damage, regardless of whether or not airbag is deployed.



- The designated trouble code is output during self-diagnosis. <Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>

• REPLACEMENT STANDARD

- Bracket is deformed.
- Housing is cracked or deformed.
- The label (that identifies the manufacturing number) is peeled or deteriorated.
- Harness circuit is broken, lead wire is exposed, corrugated tube is cracked, etc.
- Front sub sensor determined as faulty as a result of Diagnostics.
- Airbag is deployed.
- Front sub sensor dropped to the floor/ground.

4. MAIN HARNESS S802306A1009

• INSPECTION STANDARD

- A vehicle damaged in a collision (regardless of whether or not airbag is deployed).
- The designated trouble code is output during self-diagnosis. <Ref. to AB-2 PROCEDURE, Basic Diagnostic Procedure.>

• REPLACEMENT STANDARD

- Harness circuit is broken, lead wire is exposed, corrugated tube is cracked, etc.
- Connector is scratched or cracked.
- The designated trouble code is output during self-diagnosis.

5. ROLL CONNECTOR S802306A1010

• INSPECTION STANDARD

- A vehicle damaged in a collision (regardless of whether or not airbag is deployed).
- The designated trouble code is output during self-diagnosis. <Ref. to AB-2 PROCEDURE, Basic Diagnostic Procedure.>

• REPLACEMENT STANDARD

- Combination switch or steering roll connector is deformed or cracked.

INSPECTION LOCATIONS AFTER A COLLISION

6. STEERING SHAFT

S802306A1011

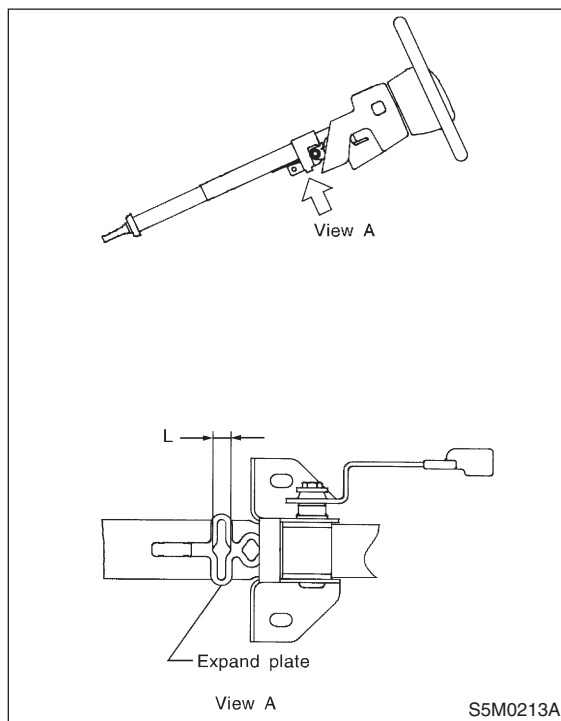
● INSPECTION STANDARD

- A vehicle damaged in a collision (regardless of whether or not airbag is deployed).

● REPLACEMENT STANDARD

- Check to ensure that clearance of expand plate on steering column under side is within specifications.

Clearance of expand plate: L
More than 15 mm (0.59 in)



7. STEERING WHEEL

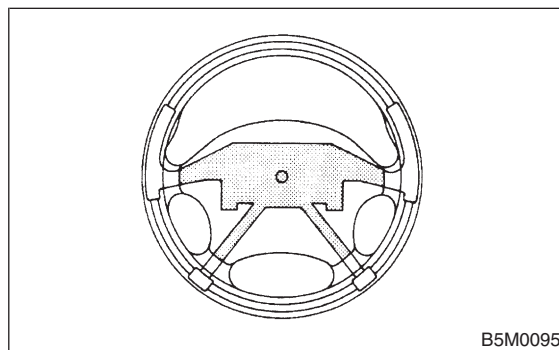
S802306A1013

● INSPECTION STANDARD

- A vehicle damaged in a collision (regardless of whether or not airbag is deployed).

● REPLACEMENT STANDARD

- Check steering wheel insert for cracks or deformities.
- Check to ensure that new airbag module is properly installed in steering wheel
- After installing airbag module, check to ensure that it is free of interference with steering wheel and that clearance between the two is equal at all points.



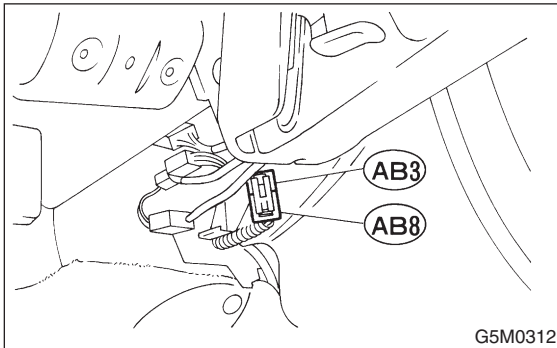
5. Main Harness S802310

A: REMOVAL S802310A18

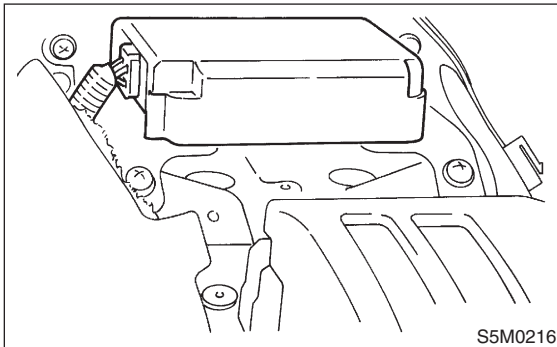
- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- 3) Remove lower cover. <Ref. to EI-25 REMOVAL, Instrument Panel Assembly.>
- 4) Disconnect airbag connector (AB3) and (AB8) below steering column.

CAUTION:

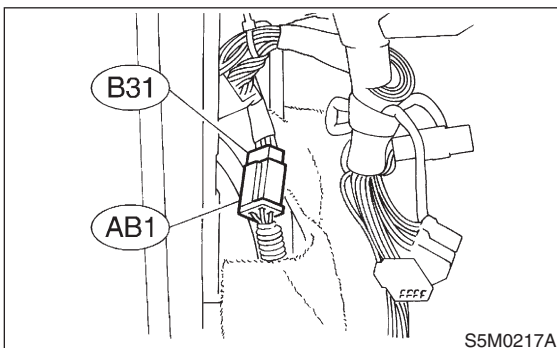
Do not reconnect airbag connector at steering column until main harness are securely re-installed.



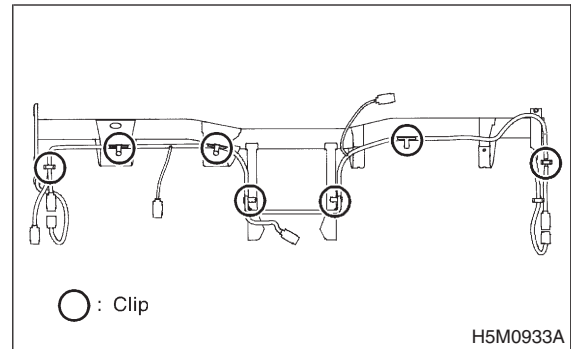
- 5) Remove instrument panel. <Ref. to EI-25 REMOVAL, Instrument Panel Assembly.>
- 6) Disconnect connector from airbag control module.



- 7) Disconnect body harness connector (B31) from connector (AB1).



- 8) Disconnect front sub sensor connector from airbag main harness.
- 9) Detach clips from steering support beam and remove main harness.



B: INSTALLATION S802310A11

Install in the reverse order of removal.

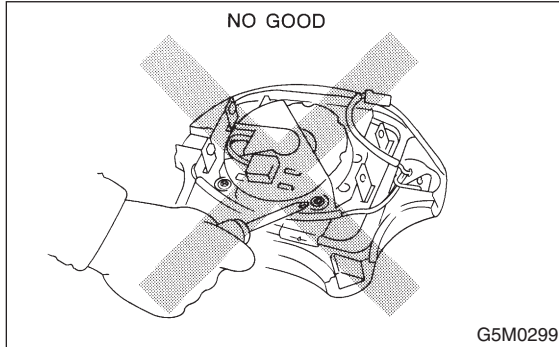
4. Passenger's Airbag Module

S802308

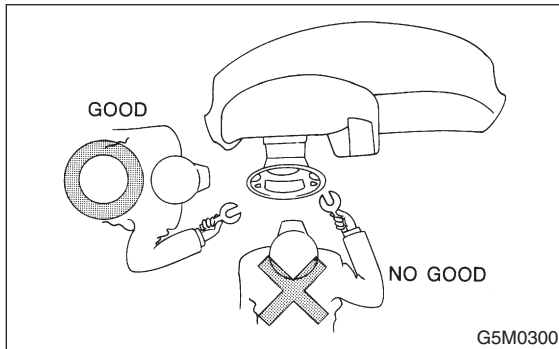
A: CAUTION

S802308A03

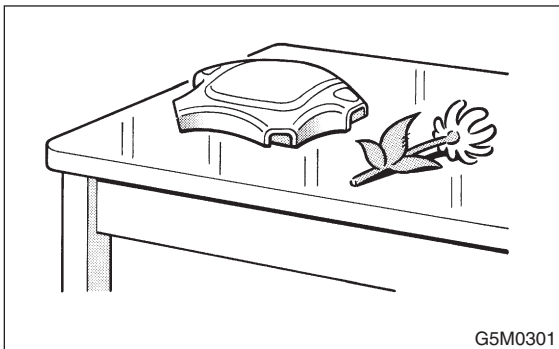
- The airbag module must not be disassembled. The airbag module cannot be used again once inflated.



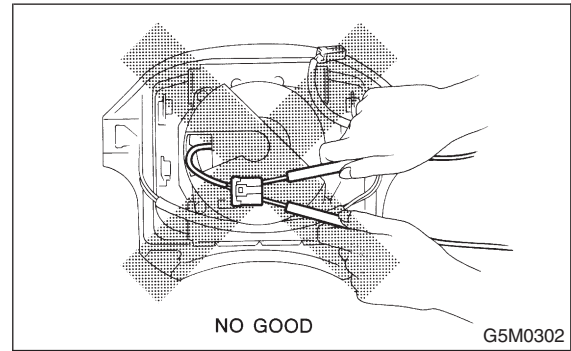
- When removing and installing the airbag module, the operator should stand, as much as possible, on the side of the airbag module.



- After removal, the airbag module should be kept away from heat and light sources, and stored on a clean, flat surface to prevent from any damage to its lower structure.

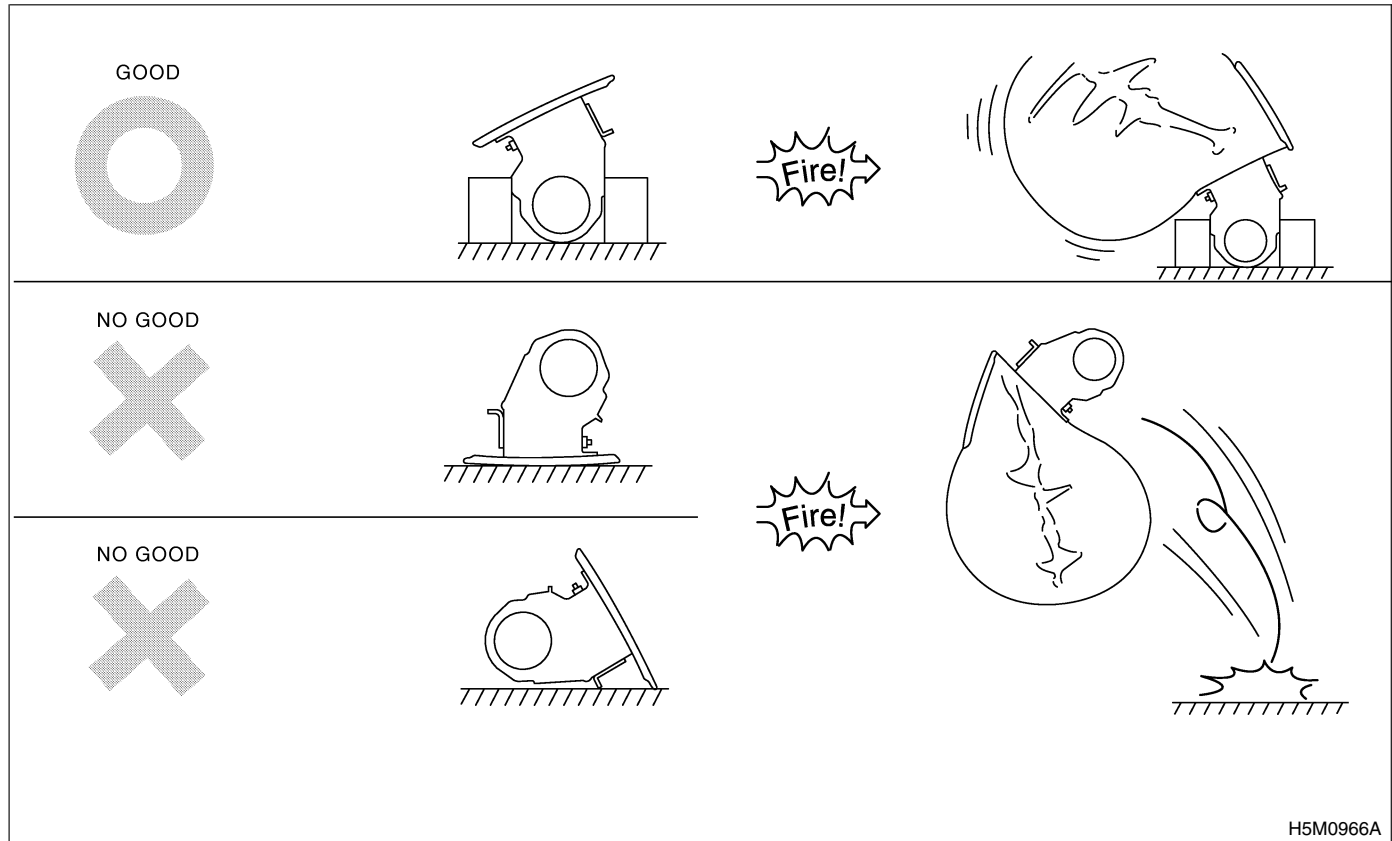


- Do not check airbag module continuity with airbag removed from the vehicle body.



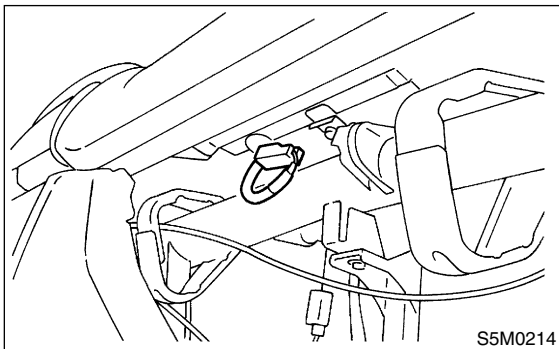
- Replace airbag module with a new one, should any of the following conditions develop:
 - Pad surface is scratched or cracked.
 - Connector harness is damaged.
 - Inflator side structure of module is cracked or deformed.
 - Module is excessively stained with water, oil, etc.
 - Module was accidentally dropped.

- When storing a removed airbag module, be sure to place it in parallel with floor with the pad facing up. Do not place it against a wall, or place anything on the pad; otherwise, a dangerous condition may be created if the module malfunctions.

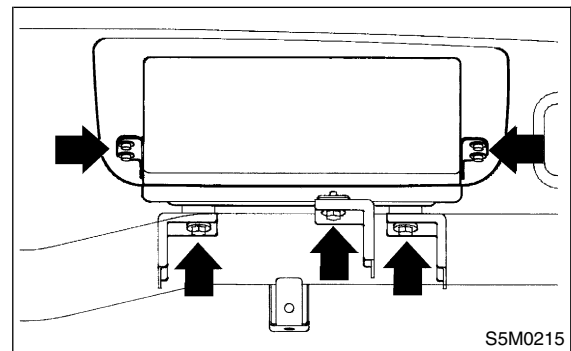


B: REMOVAL S802308A18

- Turn ignition switch off.
- Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- Remove glove box. <Ref. to EI-23 REMOVAL, Glove Box.>
- Disconnect airbag connector.



- Remove seven bolts and then carefully remove airbag module.



- Refer to "CAUTION:" for handling of a removed airbag module. <Ref. to AB-10 CAUTION, Passenger's Airbag Module.>

C: INSTALLATION S802308A11

Install in the reverse order of removal.

CAUTION:
Do not allow harness and connectors to interfere or get caught with other parts.

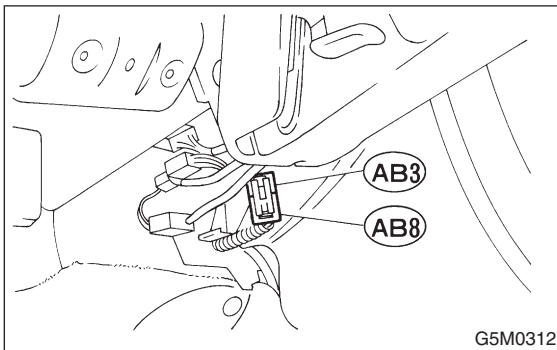
7. Roll Connector S802299

A: REMOVAL S802299A18

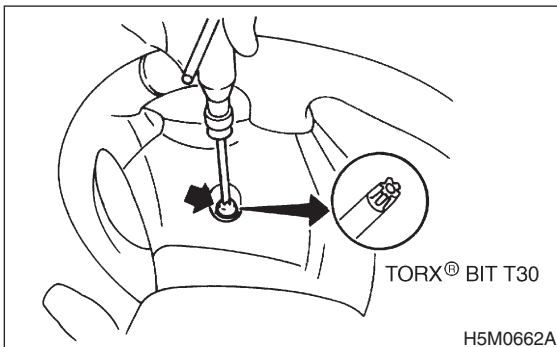
- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.
- 3) Remove lower cover. <Ref. to EI-25 REMOVAL, Instrument Panel Assembly.> Disconnect airbag connector (AB3) and (AB8) below steering column.

CAUTION:

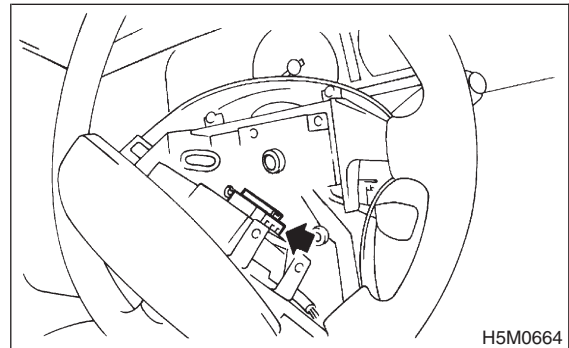
Do not reconnect airbag connector at steering column until combination switch is securely re-installed.



- 4) Disconnect combination switch connectors from body harness connector.
- 5) Set front wheels in straight ahead position. Using T30 TORX® bit, remove two TORX® bolts.



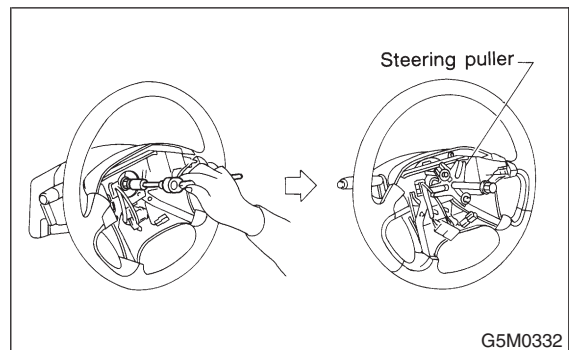
- 6) Disconnect airbag connector on back of airbag module. Remove airbag module, and place it with pad side facing upward. <Ref. to AB-7 CAUTION, Driver's Airbag Module.>



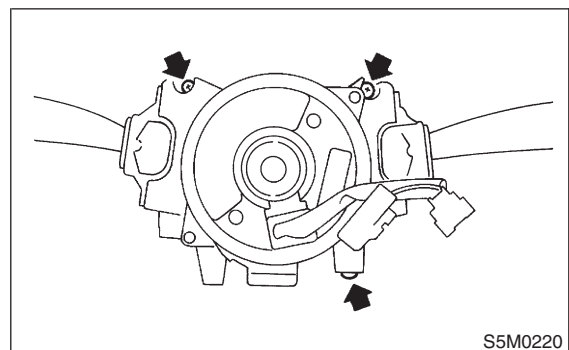
- 7) Using steering puller, remove steering wheel.

CAUTION:

Do not allow connector to interfere when removing steering wheel.



- 8) Remove steering column covers.
- 9) Removing three retaining screws, remove combination switch.



B: INSTALLATION S802299A11

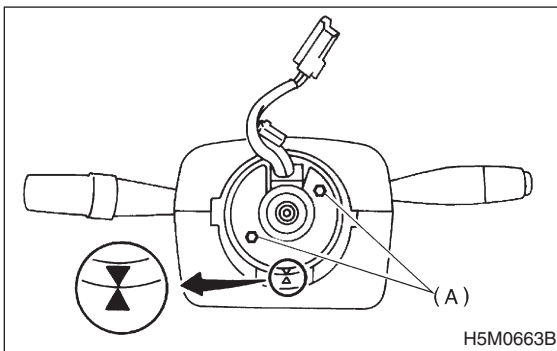
CAUTION:

Failure to do this might damage roll connector.

- 1) Before installing combination switch, check to ensure that combination switch is off and front wheels are set in the straight ahead position.
- 2) Install column cover and center roll connector.
<Ref. to AB-15 INSTALLATION, Roll Connector.>
- 3) Install steering wheel in neutral position. Carefully insert roll connector pin (A) into hole on steering wheel.

NOTE:

If steering wheel angle requires fine adjustment, adjust tie-rod. <Ref. to PS-33 ADJUSTMENT, Steering Gearbox.>

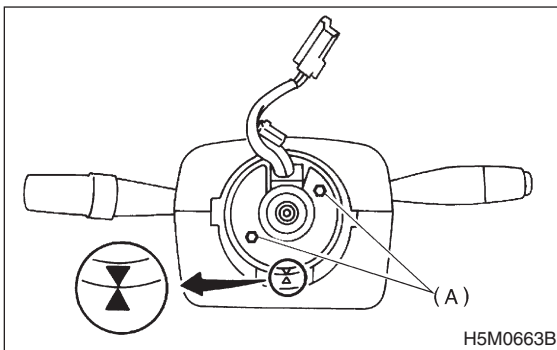


- 4) Install airbag module and lower cover in the reverse order of removal.

C: ADJUSTMENT S802299A01

Before installing steering wheel, make sure to center roll connector built into combination switch.

- 1) Make sure that front wheels are positioned straight ahead.
- 2) Install steering gearbox, steering shaft and combination switch properly. Turn roll connector pin (A) clockwise until it stops.
- 3) Then, back off roll connector pin (A) approximately 2.5 turns until "▲" marks aligned.



5. Airbag Connector

S002659

A: OPERATION

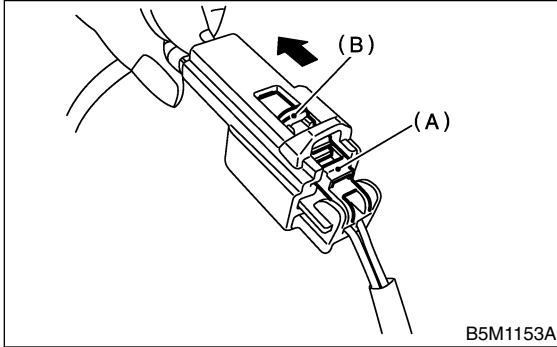
S002659A16

1. FRONT AIRBAG

S002659A1604

● How to disconnect:

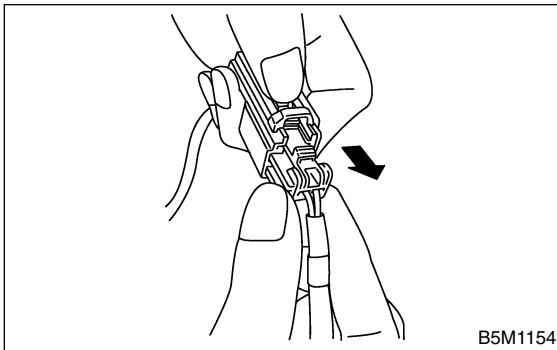
- 1) Push lock arm (A).
- 2) With lock arm (A) pushed in, move slide lock (B) in the direction of the arrow.



- 3) With slide lock (B) pulled, remove lock arm (A) to its original position, and then pull in the direction of the arrow and separate the connector.

CAUTION:

When pulling, be sure to hold onto the connector and not the wire.

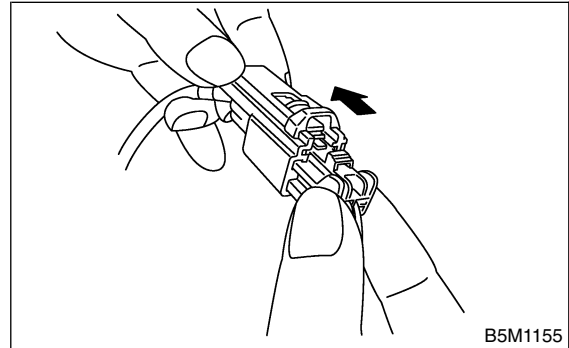


● How to connect:

Holding the connector, and push it in carefully until a connecting sound is heard.

CAUTION:

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



2. FRONT SUB-SENSOR

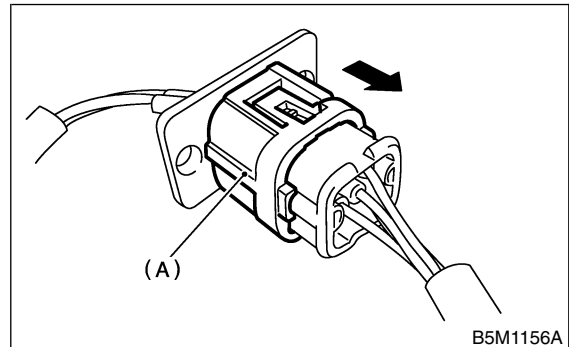
S002659A1605

● How to disconnect:

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

CAUTION:

When pulling, be sure to hold onto the connector and not the wire.



AIRBAG CONNECTOR

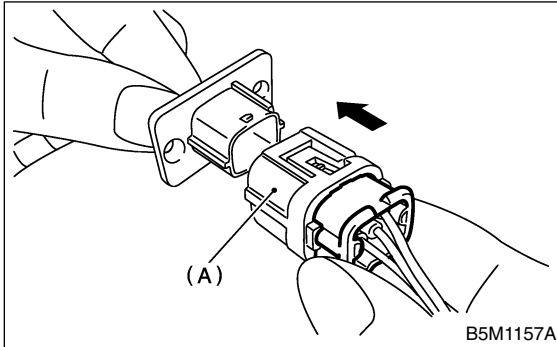
Airbag System

- **How to connect:**

Holding the connector, and push it in carefully until a connecting sound is heard.

CAUTION:

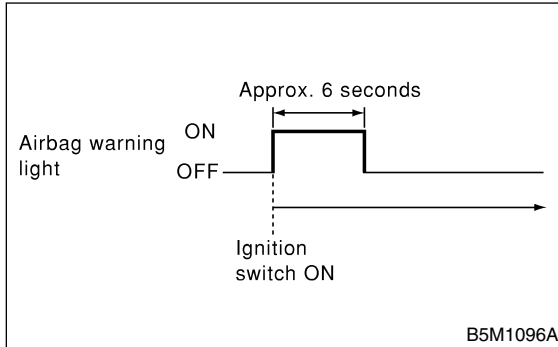
- Outer (A) moves back, and so do not put your hand on the outer part.
- Be sure to insert the connector in until it locks. Then pull on it gently to make sure that it is locked.



10. Airbag Warning Light Illumination Pattern S002629

A: INSPECTION S002629A10

1) Keep the ignition switch ON, and confirm that the airbag warning light remains off approximately 6 seconds after being turned on.



2) In case the airbag warning light remains on <Ref. to AB-24 AIRBAG WARNING LIGHT REMAINS ON, Airbag Warning Light Illumination Pattern.>

3) In case the airbag warning light does not turn on <Ref. to AB-26 AIRBAG WARNING LIGHT REMAINS OFF, Airbag Warning Light Illumination Pattern.>

AIRBAG WARNING LIGHT ILLUMINATION PATTERN

Airbag System

B: AIRBAG WARNING LIGHT REMAINS ON. S002629E28

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK POOR CONTACT IN CONNECTORS (AB1) AND (B31). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the instrument panel lower cover. 3) Confirm that firm contact is secured between connectors (AB1) and (B31).	Is the poor contact in double lock of connectors (AB1) and (B31)?	Repair the body harness or replace airbag main harness.<Ref. to AB-12 REMOVAL, Main Harness.>	Go to step 2.
2	CHECK AIRBAG WARNING LIGHT. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Connect the connector (1A) in test harness A to the body harness connector (B31). 3) Connect the battery ground cable and turn the ignition switch ON. 4) Connect two connectors, (3A) and (4A) in test harness A.	Is the airbag warning light turned off?	Go to step 4.	Go to step 3.
3	CHECK BODY HARNESS. Check the body harness. NOTE: After problem has been eliminated, disconnect connectors (3A) and (4A).	Is the anything unusual to body harness?	Repair the body harness.	Replace combination meter printed circuit. <Ref. to IDI-3 REMOVAL, Combination Meter Assembly.>
4	CHECK POOR CONTACT. Confirm that firm contact is secured between the air bag control module and the connector (AB6). <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Is the poor contact in connector (AB6)?	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.> or Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 5.

AIRBAG WARNING LIGHT ILLUMINATION PATTERN

Airbag System

No.	Step	Check	Yes	No
5	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch ON, disconnect the battery ground cable, and wait more than 20 seconds. 2) Connect the connector (AB1) to (B31). 3) Disconnect connector (AB3) from (AB8). 4) Remove the glove box and disconnect connector (AB9) and (AB10). <Ref. to EI-23 REMOVAL, Glove Box.> 5) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 6) Connect the battery ground cable and turn the ignition switch ON. 7) Connect connectors (4I) and (5I) in test harness I or I2. NOTE: After problem has been eliminated, disconnect connectors (4I) and (5I).	Is the airbag warning light turned off?	Go to step 6.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
6	CHECK GROUING CIRCUIT. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB1) from the body harness connector (B31). 3) Connect the connector (1A) in test harness A to body harness connector (B31). 4) Measure the resistance between connector (5A) in test harness A and the chassis ground. Connector & terminal (5A) No. 17 (+) — Chassis ground (-): (5A) No. 18 (+) — Chassis ground (-):	Is the resistance less than 10 Ω?	Go to step 7.	Repair body-grounding circuit.
7	CHECK AIRBAG MAIN HARNESS. 1) Connect the connector (AB1) to (B31). 2) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 3) Measure the resistance between connector (2I) in test harness I or I2 and the chassis ground. Connector & terminal (2I) No. 9 (+) — Chassis ground (-): (2I) No. 10 (+) — Chassis ground (-):	Is the resistance less than 10 Ω?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

AIRBAG WARNING LIGHT ILLUMINATION PATTERN

Airbag System

C: AIRBAG WARNING LIGHT REMAINS OFF. S002629E27

DIAGNOSIS:

- Fuse No. 18 (in fuse box) is blown.
- Body harness circuit is open.
- Airbag warning light is faulty.
- Airbag main harness is faulty.
- Airbag control module is faulty.

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK COMBINATION METER. Turn the ignition switch ON, and confirm that the warning lights equipped in the combination meter are turned on.	Do warning lights not for the airbag turn on?	Go to step 2.	Repair combination meter power supply.
2	CHECK FUSE NO. 18 (IN FUSE BOX). Remove fuse No. 18 and perform visual inspection.	Is fuse No. 18 (in fuse box) blown?	Replace fuse No. 18. If fuse No. 18 blows again, go to step 3.	Go to step 3.
3	CHECK AIRBAG WARNING LIGHT CIRCUIT (IN COMBINATION METER). 1) Turn the ignition switch OFF, remove the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB1) from (B31). 3) Connect the battery ground cable and turn the ignition switch ON.	Is the airbag warning light turned on?	Go to step 4.	Replace airbag warning light bulb or combination meter printed circuit. <Ref. to IDI-3 REMOVAL, Combination Meter Assembly.>
4	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and then wait more than 20 seconds. 2) Connect the connector (AB1) to (B31). 3) Disconnect the connector (AB6) from the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 4) Connect the battery ground cable and turn the ignition switch ON.	Is the airbag warning light turned on?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

BASIC DIAGNOSTICS PROCEDURE

Airbag System

1. Basic Diagnostics Procedure

S002627

A: PROCEDURE S002627E45

No.	Step	Check	Yes	No
1	Read Diagnostics Trouble Code. <Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>	Is the normal code being detected?	Finish the diagnosis.	Go to step 2.
2	Read Diagnostics Trouble Code. <Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>	Is the trouble code being detected?	Go to step 3.	Go to "Air bag Warning Light Illumination Pattern". <Ref. to AB-23 INSPECTION, Air bag Warning Light Illumination Pattern.>
3	Perform the diagnosis. 1) Judge the possible cause from "List of Diagnostic Trouble Code". <Ref. to AB-22 LIST, List of Diagnostic Trouble Code.> 2) Inspect using "Diagnostic Chart with Trouble Code". (DTC) <Ref. to AB-22 LIST, List of Diagnostic Trouble Code.> 3) Repair the cause of the trouble. 4) Perform the clear memory mode. <Ref. to AB-21 OPERATION, Clear Memory Mode.> 5) Perform the inspection mode. <Ref. to AB-20 OPERATION, Inspection Mode.> 6) Read diagnostics trouble code.<Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>	Is the trouble code being detected?	Perform the procedure 1) to 5) in step 3.	Finish the diagnosis.

CHECK LIST FOR INTERVIEW

Airbag System

2. Check List for Interview S002502

A: CHECK S002502A04

Customer's Name		Inspector's Name	
Date Vehicle Brought In	/ /	Registration No.	
Odometer Reading	Km Miles	Vin No.	
Date Problem Occurred	/ /	Registration Year	/ /
Weather	☐ Fine ☐ Cloudy ☐ Rainy ☐ Snowy ☐ Other:		
Temperature	°C (°F)		
Road Condition	☐ Level road ☐ Uphill ☐ Downhill ☐ Rough road ☐ Others:		
Vehicle Operation	☐ Starting ☐ Idling ☐ Driving (☐ Constant Speed ☐ Acceleration ☐ Deceleration ☐ Steering wheel turn ☐ Other:)		
Details of Problem			
Check Airbag Warning Light	☐ Remains ON ☐ Remains OFF		
Check DTC	☐ Normal Code ☐ Trouble Code: (Code:)		

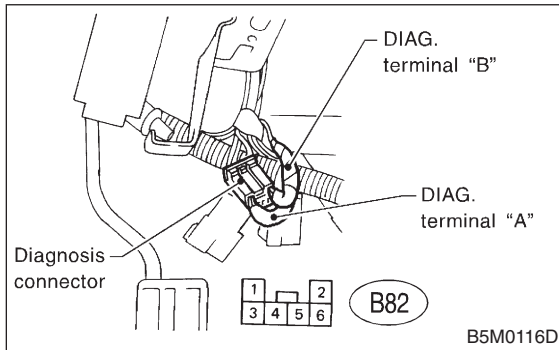
8. Clear Memory Mode

S002513

A: OPERATION

S002513A16

- 1) Turn the ignition switch ON.
- 2) Connect the diagnosis terminal to diagnosis connector terminal No. 1 in the driver's seat lower cover area.



- 3) While the warning light flashes, connect another diagnosis terminal to diagnosis connector terminal No.2.
- 4) Once the memory is erased, the warning light returns to the normal flash rate (0.6 sec on). The failure to recover the normal flash rate indicates that trouble parts still remain. Having repaired such parts, erase the memory again and confirm that the normal flash rate has returned.
- 5) When the memory has been cleared, disconnect the diagnosis terminal from the diagnosis connector. Wind tape around the diagnosis terminal and return it to its original position.

11. Diagnostic Chart with Trouble Code

S002630

A: TROUBLE CODE 11

S002630C38

DIAGNOSIS:

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

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll controller, control module, and sensor, reconnect each part and confirm that the warning light operates properly.
- When inspecting the airbag main harness, disconnect the airbag module connector of the driver and passenger seats for safety reasons.

No.	Step	Check	Yes	No
1	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch OFF, disconnect battery ground cable, and wait more than 20 seconds. 2) Remove the driver's airbag module. <Ref. to AB-9 REMOVAL, Driver's Airbag Module.> 3) Connect the connector (1F) in test harness F into connector (AB7). 4) Connect airbag resistor to connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the driver's airbag module. <Ref. to AB-9 INSTALLATION, Driver's Airbag Module.>	Go to step 2.
2	CHECK ROLL CONNECTOR. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 second. 2) Disconnect the test harness F from the connector (AB7). 3) Remove the lower cover panel, disconnect the connector (AB3) from (AB8) and connect the connector (1F) in test harness F to connector (AB8). 4) Connect the airbag resistor to connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the roll connector. <Ref. to AB-14 REMOVAL, Roll Connector.>	Go to step 3.

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

No.	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the ground cable, and wait more than 20 seconds. 2) Disconnect the airbag resistor from the connector (3F) in test harness F. 3) Remove the glove box, <Ref. to EI-23 REMOVAL, Glove Box.> and disconnect the connector (AB9) and (AB10). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Measure the resistance between connector (2I) in test harness I or I2 and the connector (3F) in test harness F. Connector & terminal <i>(2I) No. 1 — (3F) No. 4:</i> <i>(2I) No. 4 — (3F) No. 3:</i>	Is the resistance less than 10 Ω?	Go to step 4.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
4	CHECK AIRBAG MAIN HARNESS Measure the resistance of the connector (2I) in test harness I or I2. Connector & terminal <i>(2I) No. 1 — No. 4:</i> <i>(2I) No. 4 (+) — Chassis ground (-):</i> <i>(2I) No. 1 (+) — Chassis ground (-):</i>	Is the resistance more than 1 MΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

B: TROUBLE CODE 12 S002630C40

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the glove box. <Ref. to EI-23 REMOVAL, Glove Box.> 3) Disconnect the connector (AB10) from (AB9). 4) Connect the connector (1K) in test harness K to connector (AB9). 5) Connect two airbag resistors to connectors (3K) and (4K) in test harness K. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the passenger's airbag module. <Ref. to AB-11 REMOVAL, Passengers Airbag Module.>	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect two airbag resistors from the connectors (3K) and (4K) in test harness K. 3) Remove the lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Measure the resistance between connector (2I) in test harness I or I2 and the connector (3K) in test harness K. Connector & terminal (2I) No. 2 — (3K) No. 4: (2I) No. 5 — (3K) No. 3:	Is the resistance less than 10 Ω?	Go to step 3.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
3	CHECK AIRBAG MAIN HARNESS. Measure the resistance of the connector (2I) in test harness I or I2. Connector & terminal (2I) No. 2 — No. 5: (2I) No. 2 (+) — Chassis ground (-): (2I) No. 2 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Replace the airbag control module. <Ref. to AB-11 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

C: TROUBLE CODE 15 S002630C41

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK DRIVER'S AIRBAG MODULE. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the driver's airbag module. <Ref. to AB-9 REMOVAL, Driver's Airbag Module.> 3) Connect the connector (AB7) to connector (1F) in test harness F. 4) Connect the airbag resistor to connector (3F) in test harness F. 5) Connect the battery ground cable and turn the ignition switch OFF.	Does the airbag warning light operate properly?	Replace the driver's airbag module. <Ref. to AB-9 INSTALLATION, Driver's Airbag Module.>	Go to step 2.
2	CHECK ROLL CONNECTOR. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the test harness from the connector (AB7). 3) Remove the lower cover panel and disconnect the connector (AB3) from (AB8). 4) Connect the connector (1F) in test harness F to connector (AB8). 5) Connect the airbag resistor to connector (3F) in test harness F. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the airbag warning light operate properly?	Replace the roll connector. <Ref. to AB-14 REMOVAL, Roll Connector.>	Go to step 3.

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

No.	Step	Check	Yes	No
3	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the air bag resistor from the connector (3F) in test harness F. 3) Remove the glove box, <Ref. to EI-23 REMOVAL, Glove Box.> and disconnect connectors (AB9) and (AB10). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Connect the battery ground cable and turn the ignition switch ON. (Engine OFF.) 6) Measure the voltage between connector (2I) in test harness I or I2 and the chassis ground. Connector & terminal <i>(2I) No. 4 (+) — Chassis ground (-):</i> <i>(2I) No. 1 (+) — Chassis ground (-):</i>	Is the voltage less than 1 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

D: TROUBLE CODE 16 S002630C42

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK PASSENGER'S AIRBAG MODULE. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Remove the glove box. <Ref. to EI-23 REMOVAL, Glove Box.> 3) Disconnect the connector (AB10) from (AB9). 4) Connect the connector (1K) in test harness K to connector (AB9). 5) Connect two airbag resistors to connectors (3K) and (4K) in test harness K. 6) Connect the battery ground cable and turn the ignition switch ON.	Does the air bag warning light operate properly?	Replace the passenger's airbag module. <Ref. to AB-11 REMOVAL, Passenger's Airbag Module.>	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect two airbag resistors from the connectors (3K) and (4K) in test harness K. 3) Remove the lower cover and disconnect the connector (AB3) from (AB8). 4) Disconnect the connector (AB6) from the airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 5) Measure the voltage between connector (2I) in test harness I or I2 and chassis ground. Connector & terminal (2I) No. 2 (+) — Chassis ground (-): (2I) No. 5 (+) — Chassis ground (-):	Is the voltage less than 1 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>

E: TROUBLE CODE 21 S002630C45

DIAGNOSIS:

- Airbag control module is faulty.

CAUTION:

- Before diagnosing the airbag system, be sure to turn the ignition switch OFF, disconnect the ground cable from the battery, and wait more than 20 seconds before starting to work.
- Before replacing the airbag module, roll connector, control module, and sensor, reconnect each part and confirm that the warning light operates properly.

No.	Step	Check	Yes	No
1	CHECK IF TROUBLE CODE 21 IS INDICATED. Read Diagnostics Trouble Code. <Ref. to AB-19 OPERATION, Read Diagnostics Trouble Code.>	Is airbag warning light trouble code 21 indicated?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Perform clear memory. <Ref. to AB-21 OPERATION, Clear Memory Mode.>

F: TROUBLE CODE 22 S002630C51

This code is indicated when the airbag is in operation.

Once this code is indicated, memory is not erasable; therefore change the following parts.

- Airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>
- Driver's airbag module. <Ref. to AB-9 REMOVAL, Driver's Airbag Module.>
- Passenger's airbag module. <Ref. to AB-11 REMOVAL, Passenger's Airbag Module.>
- Front sub-sensor of both sides. <Ref. to AB-16 REMOVAL, Front Sub-sensor.>

G: TROUBLE CODE 23 S002630C56

DIAGNOSIS:

(AB6) is not connected properly to airbag control module.

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK POOR CONTACT IN CONECTOR (AB6). 1) Turn the the ignition switch OFF, remove the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Check if rust or damage appear on the harness connector and the control connector.	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.> Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>	Go to step 2.
2	CHECK POOR CONTACT IN CONECTOR (AB6). 1) Ensure that connectors are firmly reconnected. 2) Connect the battery ground cable and turn the ignition switch ON.	Does the air bag warning light operate properly?	Finish the diagnosis.	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

H: TROUBLE CODE 24 S002630C61

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from the airbag control module. 3) Connect the connector (1I) in test harness I or I2 to connector (AB6). <Ref. to AB-13 REMOVAL, Airbag Control Module.> 4) Connect the battery ground cable and turn the ignition switch ON. 5) Measure the voltage between connector (2I) in test harness I or I2 and chassis ground. Connector & terminal (2I) No. 3 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS. 1) While checking airbag control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Connect the connector (2A) in test harness A to connector (AB1). 4) Measure the resistance between connector (5A) in test harness A and the connector (2I) in test harness I or I2. Connector & terminal (5A) No. 9 — (2I) No. 3:	Is the resistance less than 10 Ω?	Go to step 3.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
3	CHECK AIRBAG MAIN HARNESS. Measure the following resistance with the above-mentioned condition maintained. Connector & terminal (5A) No. 9 (+) — Chassis ground (-): (2I) No. 3 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 4.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
4	CHECK FUSE No. 11 (IN FUSE BOX). 1) Confirm that the ignition switched is turned OFF. 2) Remove fuse No. 11 (in fuse box) and perform visual inspection.	Is fuse No. 11 blown?	Replace fuse No. 11. If fuse No. 11 blows again, repair the body harness.	Repair the body harness.

I: TROUBLE CODE 25 S002630C66

DIAGNOSIS:

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

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK AIRBAG CONTROL MODULE. 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from airbag control module. 3) Connect the connector (1I) in test harness I or I2 to connector (AB6). <Ref. to AB-13 REMOVAL, Airbag Control Module.> 4) Connect the battery ground cable, and turn the ignition switch ON. 5) Measure the voltage between the connector (2I) in test harness I or I2 and the chassis ground. Connector & terminal (2I) No. 6 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	CHECK AIRBAG MAIN HARNESS. 1) While checking airbag control module, turn the ignition switch OFF and disconnect the battery ground cable. Wait more than 20 seconds before operation. 2) Disconnect the airbag connector (AB1) from the body harness (B31). 3) Connect the connector (2A) in test harness A to the airbag connector (AB1) 4) Measure the resistance between the connector (5A) in test harness A and the connector (2I) in test harness I or I2. Connector & terminal (5A) No. 1 — (2I) No. 6:	Is the resistance less than 10 Ω?	Go to step 3.	Replace the airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
3	CHECK AIRBAG MAIN HARNESS. Measure the following resistance with the above-mentioned condition maintained. Connector & terminal (5A) No. 1 (+) — Chassis ground (-): (2I) No. 6 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 4.	Replace the airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
4	CHECK FUSE NO. 6 (IN FUSE BOX). 1) Confirm that the ignition switch is turned OFF. 2) Remove No. 6 fuse (in fuse box) and perform visual inspection.	Is fuse No. 6 blown?	Replace fuse No. 6. If fuse No. 6 is blown again, repair the body harness.	Repair the body harness.

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

J: TROUBLE CODE 31 S002630C89

DIAGNOSIS:

- Front sub-sensor harness (RH) circuit is shorted.
- Front sub-sensor harness (RH) circuit is open.
- Front sub-sensor (RH) is faulty.
- Airbag control module is faulty.

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK FRONT SUB-SENSOR (RH) AND FRONT SUB-SENSOR HARNESS (RH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect the connector (AB6) from airbag control module, and connect the connector (1I) in test harness I or I2. <Ref. to AB-13 REMOVAL, Airbag Control Module.> 3) Measure the resistance of the connector (3I) in test harness I or I2. Connector & terminal (3I) No. 2 — No. 4:	Is the resistance between 750Ω and 1 KΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	CHECK FRONT SUB-SENSOR (RH) AND FRONT SUB-SENSOR HARNESS (RH). Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. Connector & terminal (3I) No. 2 (+) — Chassis ground (-): (3I) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Replace the airbag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 3.
3	CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH). 1) Disconnect connector (AB16) from the front sub-sensor. <Ref. to AB-16 REMOVAL, Front Sub Sensor.> 2) Connect connector (IH) in test harness H to connector (AB16). 3) Measure the resistance between connector (3I) in test harness I or I2 and connector (3H) in test harness H. Connector & terminal (3I) No. 2 — (3H) No. 5: (3I) No. 4 — (3H) No. 6:	Is the resistance less than 10Ω?	Go to step 4.	Go to step 5.
4	CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (RH). Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. Connector & terminal (3I) No. 2 (+) — Chassis ground (-): (3I) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 9.	Go to step 5.

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

No.	Step	Check	Yes	No
5	CHECK AIRBAG MAIN HARNESS. 1) Disconnect connector (AB14) from (AB15), and connect connector (2F) in test harness F to connector (AB14). 2) Measure the resistance between connector (3I) in test harness I or I2 and connector (3F) in test harness F. <i>Connector & terminal</i> <i>(3I) No. 2 — (3F) No. 6:</i> <i>(3I) No. 4 — (3F) No. 5:</i>	Is the resistance less than 10 Ω?	Go to step 6.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
6	CHECK AIRBAG MAIN HARNESS. Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. <i>Connector & terminal</i> <i>(3I) No. 2 (+) — Chassis ground (-):</i> <i>(3I) No. 4 (+) — Chassis ground (-):</i>	Is the resistance more than 1 MΩ?	Go to step 7.	Replace airbag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
7	CHECK FRONT SUB-SENSOR HARNESS (RH). 1) Connect connector (1F) in test harness F to the connector (AB15). 2) Measure the resistance between connector (3H) in test harness H and connector (3F) in the test harness F. <i>Connector & terminal</i> <i>(3F) No. 3 — (3H) No. 5:</i> <i>(3F) No. 4 — (3H) No. 6:</i>	Is the resistance less than 10 Ω?	Go to step 8.	Replace the front sub-sensor harness (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
8	CHECK FRONT SUB-SENSOR HARNESS (RH). Measure the resistance between connector (3F) in test harness F and the chassis ground. <i>Connector & terminal</i> <i>(3F) No. 3 (+) — Chassis ground (-):</i> <i>(3F) No. 4 (+) — Chassis ground (-):</i>	Is the resistance more than 1 MΩ?	Go to step 9.	Replace the front sub-sensor harness (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
9	CHECK FRONT SUB-SENSOR (RH). 1) Connect connector (2H) in test harness H to front sub-sensor (RH). 2) Measure the resistance of the connector (3H) in test harness H. <i>Connector & terminal</i> <i>(3H) No. 3 — No. 4:</i>	Is the resistance between 750Ω and 1 KΩ?	Go to step 10.	Replace the front sub-sensor (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
10	CHECK FRONT SUB-SENSOR (RH). Measure resistance between connector (3H) in test harness H and the chassis ground. <i>Connector & terminal</i> <i>(3H) No. 3 (+) — Chassis ground (-):</i> <i>(3H) No. 4 (+) — Chassis ground (-):</i>	Is the resistance more than 1 MΩ?	Finish the diagnosis.	Replace the front sub-sensor (RH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

K: TROUBLE CODE 32 S002630C95

DIAGNOSIS:

- Front sub-sensor harness (LH) circuit is shorted.
- Front sub-sensor harness (LH) circuit is open.
- Front sub-sensor (LH) is faulty.
- Airbag control module is faulty.

CAUTION:

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

No.	Step	Check	Yes	No
1	CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (LH). 1) Turn the ignition switch OFF, disconnect the battery ground cable, and wait more than 20 seconds. 2) Disconnect connector (AB6) from the air bag control module, and connect connector (1I) in the harness I or I2 to connector (AB6). <Ref. to AB-13 REMOVAL, Airbag Control Module.> 3) Measure the resistance of the connector (3I) in test harness I or I2. Connector & terminal (3I) No. 1 — No. 3:	Is the resistance between 750Ω and 1 KΩ?	Replace the air-bag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 2.
2	CHECK FRONT SUB-SENSOR (LH) AND FRONT SUB-SENSOR HARNESS (LH). Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. Connector & terminal (3I) No. 1 (+) — Chassis ground (-): (3I) No. 3 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Replace the air-bag control module. <Ref. to AB-13 REMOVAL, Airbag Control Module.>	Go to step 3.
3	CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH). 1) Disconnect the connector (AB13) from the front sub-sensor. <Ref. to AB-16 REMOVAL, Front Sub Sensor.> 2) Connect connector (1H) in test harness H to connector (AB13). 3) Measure the resistance between connector (3I) in test harness I or I2 and connector (3H) in test harness H. Connector & terminal (3I) No. 3 — (3H) No. 5: (3I) No. 1 — (3H) No. 6:	Is the resistance less than 10 Ω?	Go to step 4.	Go to step 5.
4	CHECK AIRBAG MAIN HARNESS AND FRONT SUB-SENSOR HARNESS (LH). Measure the resistance between connector (3I) in test harness I or I2 and the chassis ground. Connector & terminal (3I) No. 3 (+) — Chassis ground (-): (3I) No. 1 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 9.	Go to step 5.

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

No.	Step	Check	Yes	No
5	CHECK AIRBAG MAIN HARNESS. 1) Disconnect connector (AB11) from (AB12), and connect connector (2F) in test harness F to (AB11). 2) Measure the resistance between connector (3I) in test harness I or I2 and connector (3F) in test harness F. Connector & terminal (3I) No. 3 — (3F) No. 6: (3I) No. 1 — (3F) No. 5:	Is the resistance less than 10 Ω?	Go to step 6.	Replace the air-bag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
6	CHECK AIRBAG MAIN HARNESS. Measure the resistance between connector (3I) in the test harness I or I2 and the chassis ground. Connector & terminal (3I) No. 3 (+) — Chassis ground (-): (3I) No. 1 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 7.	Replace the air-bag main harness. <Ref. to AB-12 REMOVAL, Main Harness.>
7	CHECK FRONT SUB-SENSOR HARNESS (LH). 1) Connect connector (1F) in test harness F to connector (AB12). 2) Measure the resistance between the connector (3H) in test harness H and connector (3F) in test harness F. Connector & terminal (3F) No. 3 — (3H) No. 5: (3F) No. 4 — (3H) No. 6:	Is the resistance less than 10 Ω?	Go to step 8.	Replace the front sub-sensor harness (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
8	CHECK FRONT SUB-SENSOR HARNESS (LH). Measure the resistance between connector (3F) in test harness F and the chassis ground. Connector & terminal (3F) No. 3 (+) — Chassis ground (-): (3F) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Go to step 9.	Replace the front sub-sensor harness (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
9	CHECK FRONT SUB-SENSOR (LH). 1) Connect connector (2H) in test harness H to front sub-sensor (LH). 2) Measure the resistance of the connector (3H) in test harness H. Connector & terminal (3H) No. 3 — No. 4:	Is the resistance between 750Ω and 1 KΩ?	Go to step 10.	Replace the front sub-sensor (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>
10	CHECK FRONT SUB-SENSOR (LH). Measure the resistance between connector (3H) in test harness H and the chassis ground. Connector & terminal (3H) No. 3 (+) — Chassis ground (-): (3H) No. 4 (+) — Chassis ground (-):	Is the resistance more than 1 MΩ?	Finish the diagnosis.	Replace the front sub-sensor (LH). <Ref. to AB-16 REMOVAL, Front Sub Sensor.>

DIAGNOSTIC CHART WITH TROUBLE CODE

Airbag System

MEMO:

ELECTRICAL COMPONENTS LOCATION

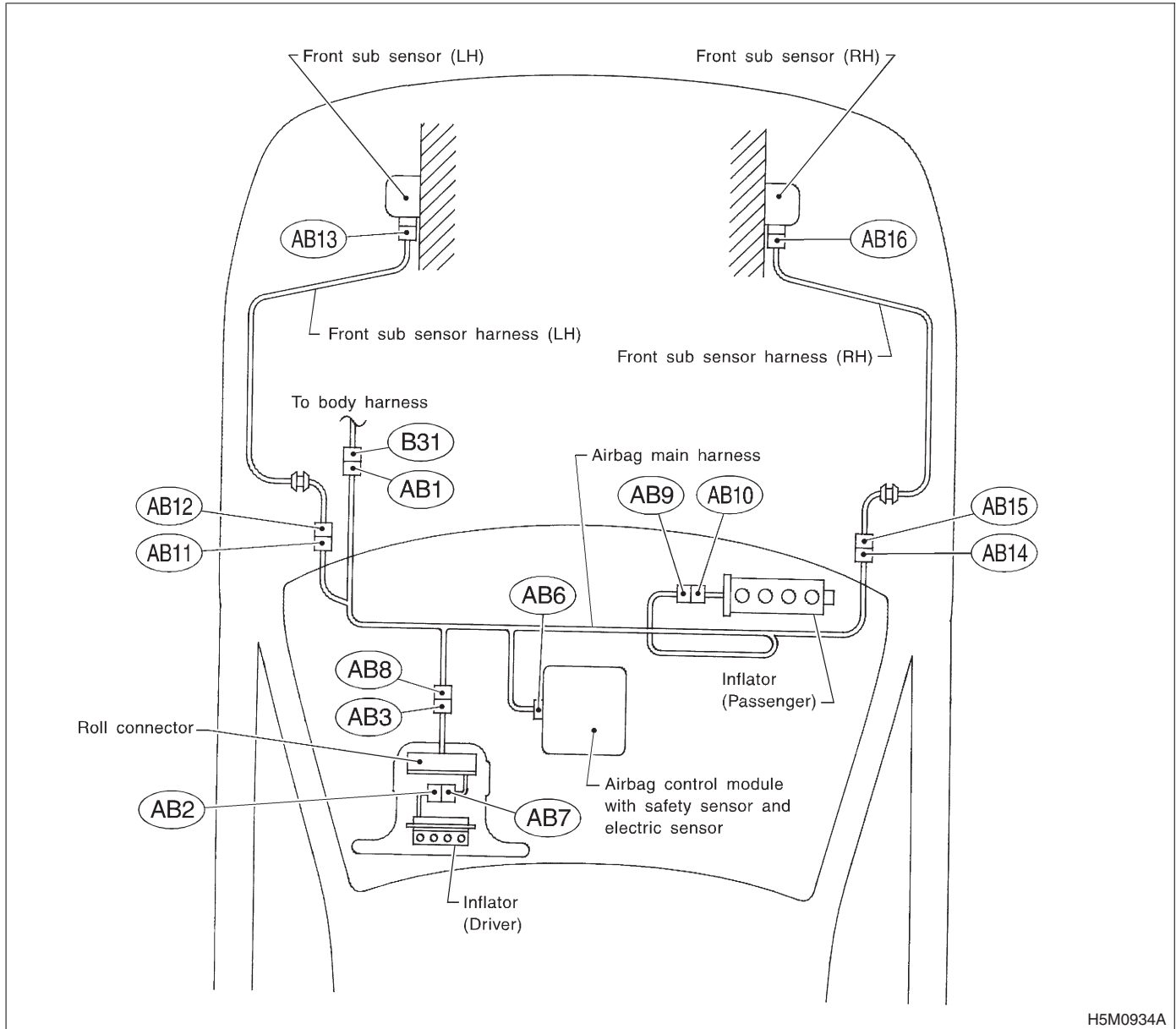
Airbag System

4. Electrical Components Location

S002507

A: LOCATION

S002507A13



H5M0934A

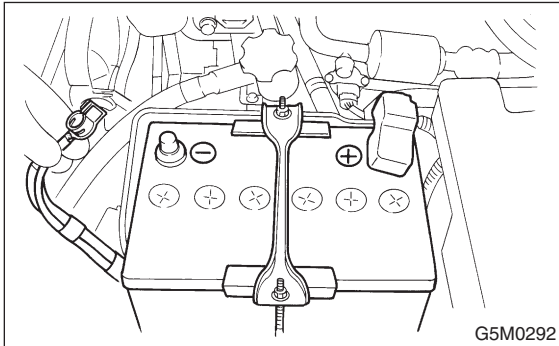
Connector No.	(AB1)	(AB2)	(AB3)	(AB6)	(AB7)	(AB8)	(AB9)
Pole	7	2	2	28	2	2	2
Color	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
Male/Female	Male	Male	Male	Female	Female	Female	Female
Connector No.	(AB10)	(AB11)	(AB12)	(AB13)	(AB14)	(AB15)	(AB16)
Pole	2	2	2	2	2	2	2
Color	Yellow	Blue	Blue	Yellow	Blue	Blue	Yellow
Male/Female	Male	Female	Male	Female	Female	Male	Female

AB-16

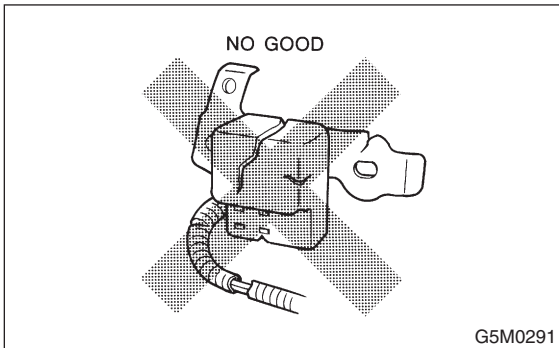
3. General Description S002001

A: CAUTION S002001A03

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

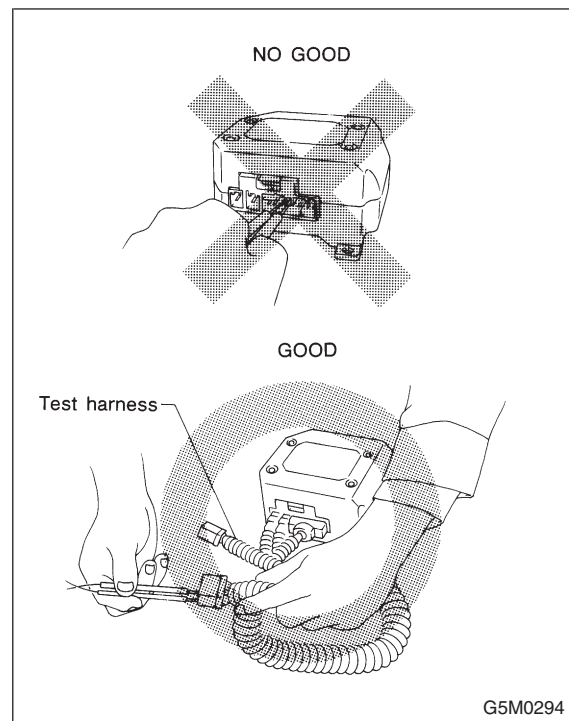
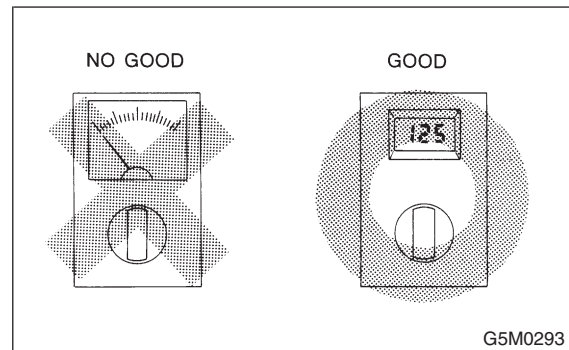


- If sensors, air bag module, airbag control module, and harness are deformed or damaged, replace them with new genuine parts.
- Do not use the airbag system and pretensioners on other vehicles. When replacing parts, be sure to replace them with new parts.

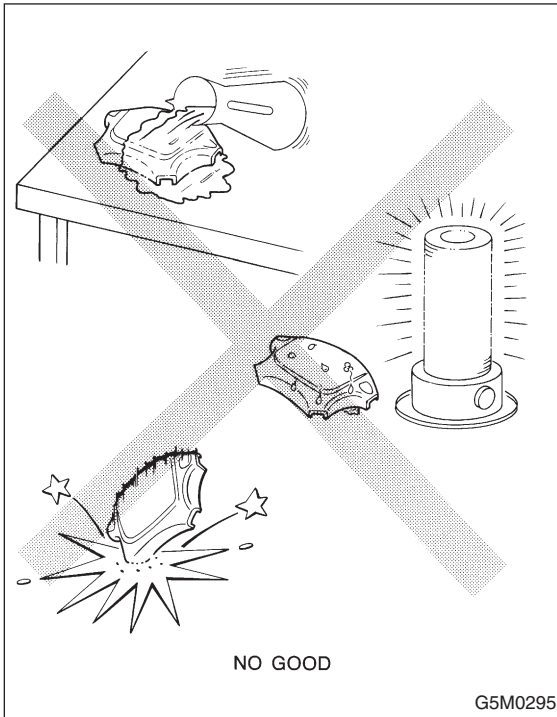


- When checking the system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously.

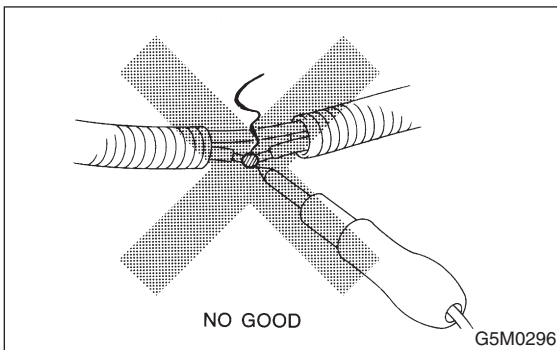
- When checking, use a test harness. Do not directly apply the tester probe to any connector terminal of the airbag.



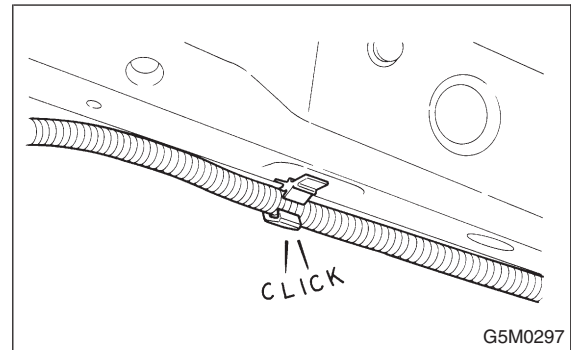
- Do not drop the airbag modulator parts, subject them to high temperature over 93°C (199°F), or let water, oil, or grease get on them; otherwise, the internal parts may be damaged and reliability greatly lowered.



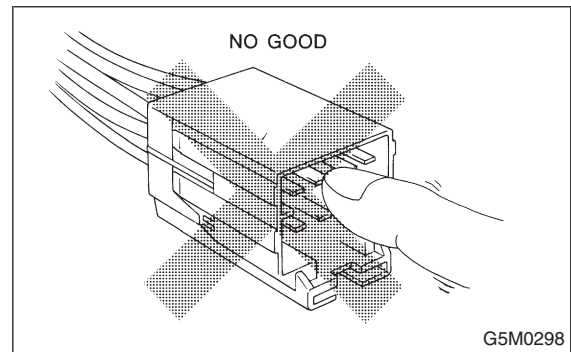
- If any damage or opening is found on the airbag system wire harness, do not attempt to repair using soldering equipment. Be sure to replace the faulty harness with a new genuine part.



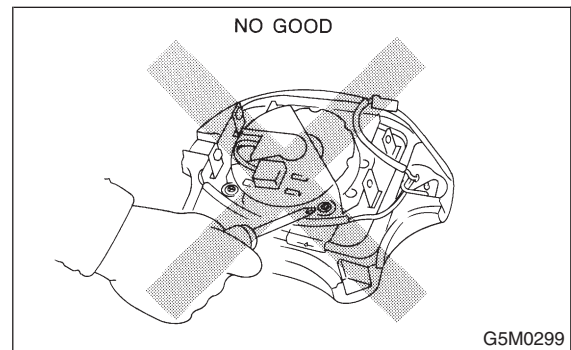
- Install the wire harness securely with the specified clips to avoid interference or tangled up with other parts.



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



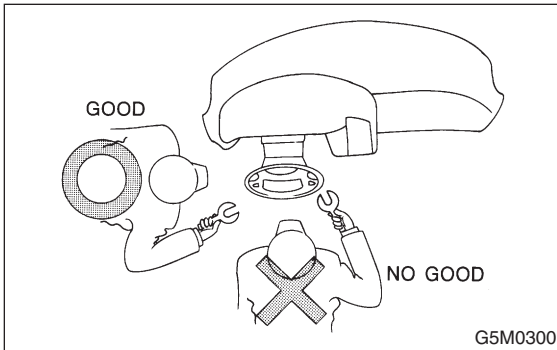
- The airbag module (driver and passenger) must not be disassembled.
- The airbag module cannot be used again once inflated.



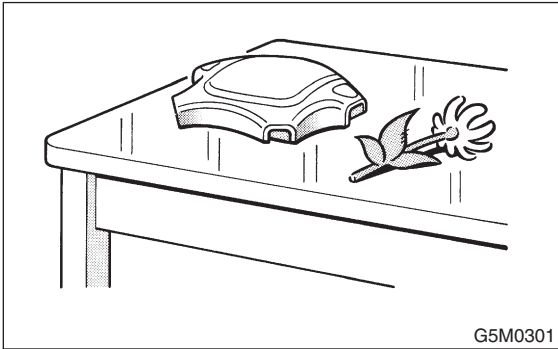
GENERAL DESCRIPTION

Airbag System

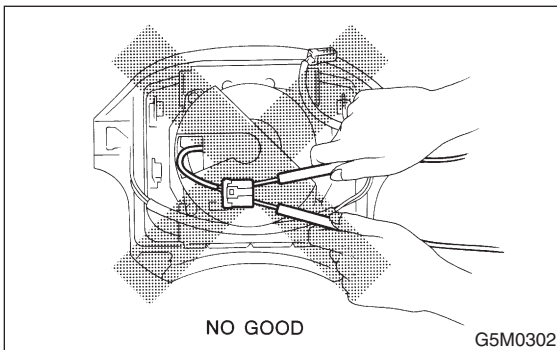
- When removing and installing the airbag module (driver and passenger), stand on the side of the airbag module. Do not stand in front of the airbag module.



- After removal, keep the airbag module with the pad facing upward on a dry, clean, and flat surface away from heat and light sources, and moisture and dust.

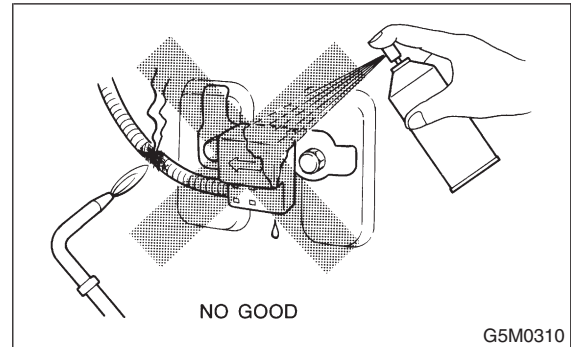


- Do not check continuity of the airbag module (driver and passenger).



- When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender, and front side frame, take utmost care not to apply paint or the flame of the welding burner directly to the front sub sensors and wire harness of the 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, take utmost care not to apply paint or the flame of the welding burner directly to the side airbag sensors and wire harness of the airbag system.



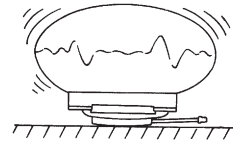
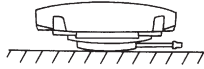
GENERAL DESCRIPTION

Airbag System

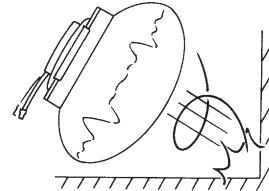
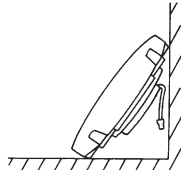
- When storing a removed airbag module, do not place any objects on it or pile airbag modules on top of each other. If the airbag inflates for some reason when it is placed with its pad side facing downward or under any object, a serious accident may result.

Driver side

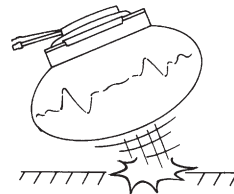
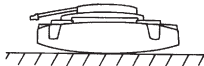
GOOD



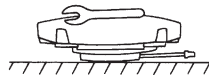
NO GOOD



NO GOOD

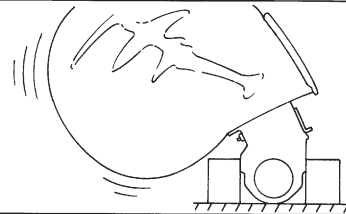
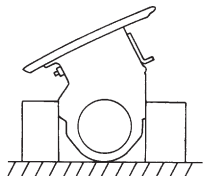


NO GOOD

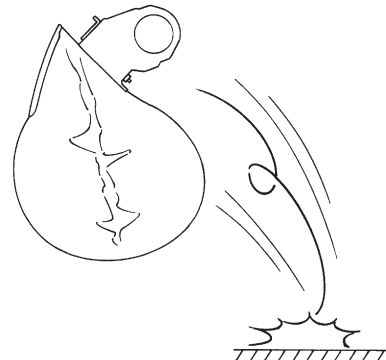
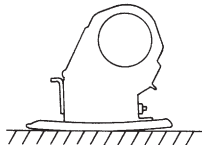


Passenger side

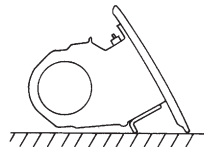
GOOD



NO GOOD



NO GOOD



G5M0604

- Do not discard undeployed airbag modules. They could easily cause a serious accident if accidentally deployed.
- Deployment of the airbag module should be done on a flat place free from any possible danger. Avoid deploying outdoors during rainy or windy weather.
- Do not damage the airbag module or drop it.
- Because deploying the airbag module causes a high explosive noise, be sure to warn people in the area, and do not allow anyone within a 5-meter (16 ft) radius of the disposal site.
- Some smoke will be emitted after deployment of the airbag module. Therefore, it must be deployed in a well-ventilated place with no fire alarms nearby.
- Wear gloves, goggles, and earplugs during this operation. Wash your hands afterwards.
- After deployment, the airbag module will be especially hot. Leave it unattended for 40 minutes, and then discard it.
- Do not let water get on the deployed airbag module.
- Wrap the deployed airbag module in an airtight vinyl bag and discard it.
- If circumstances do not permit airbag module deployment, contact a Subaru dealer.
- As a rule, the airbag module should be deployed while still installed in the vehicle. Do not remove it unless necessary.

B: INSPECTION S002001A10

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

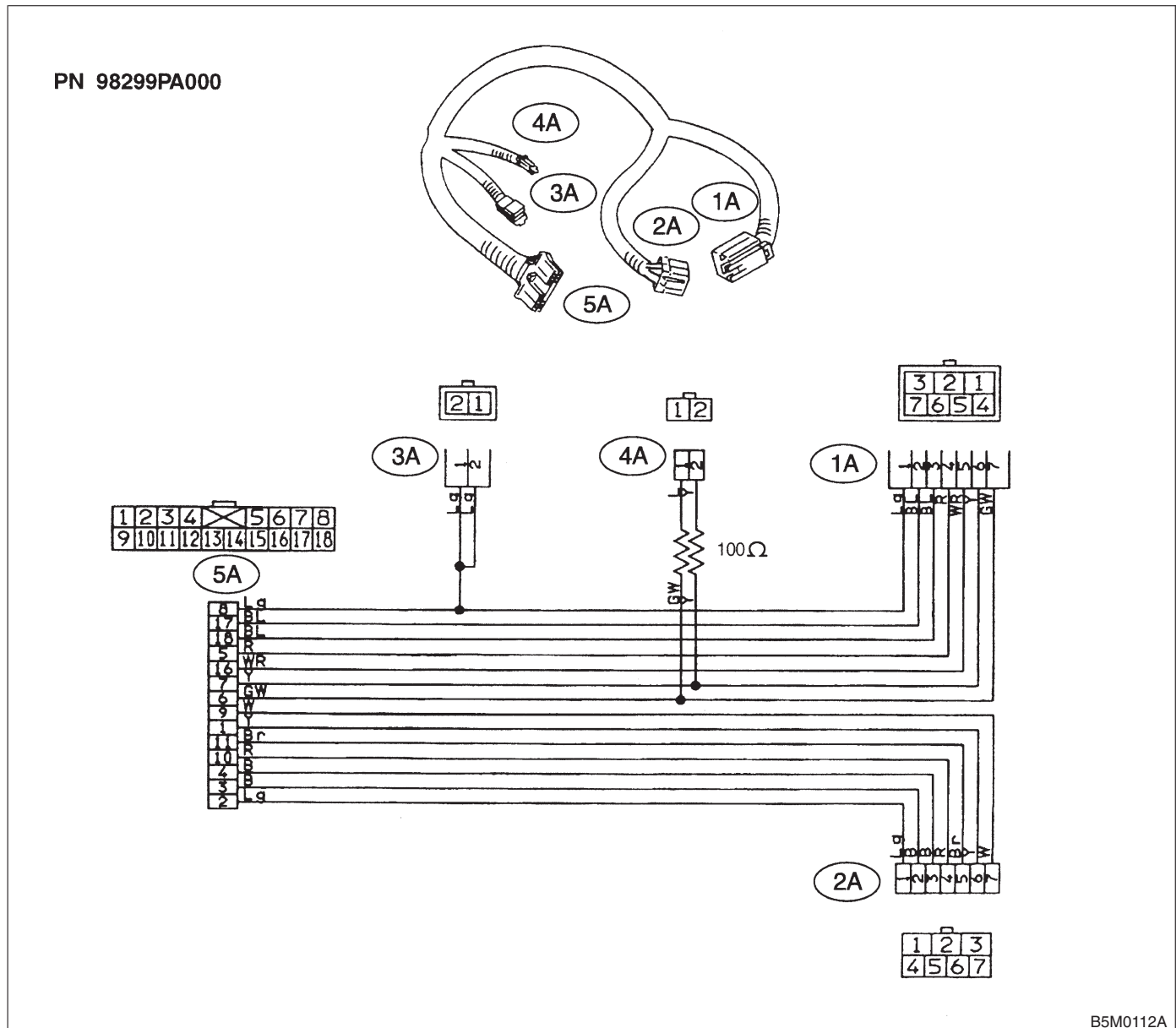
1. BATTERY S002001A1001

Measure battery voltage and specific gravity of electrolyte.

Standard voltage: 12V

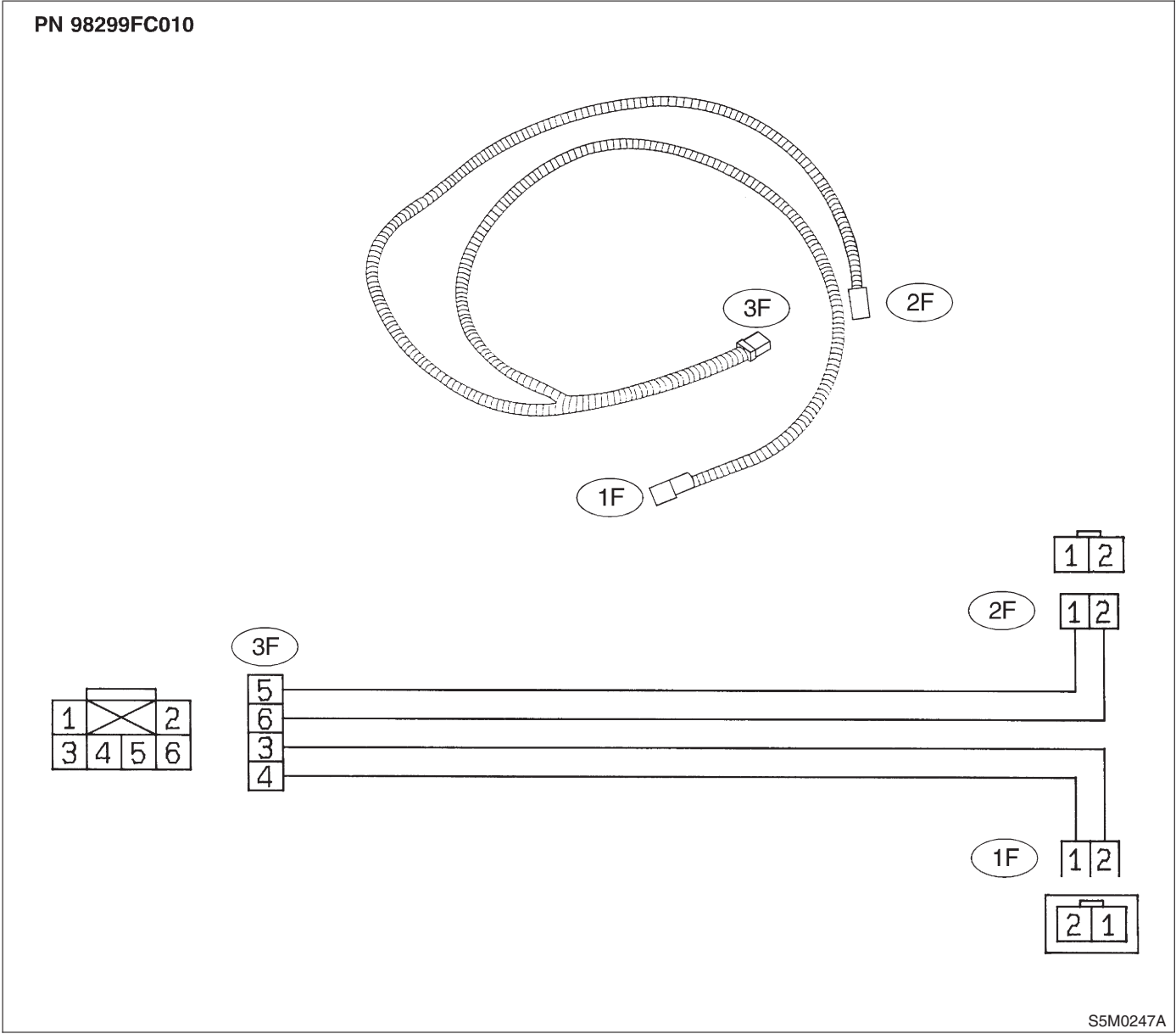
Specific gravity: Above 1.260

1. TEST HARNESS A S002001A1701



2. TEST HARNESS F S002001A1702

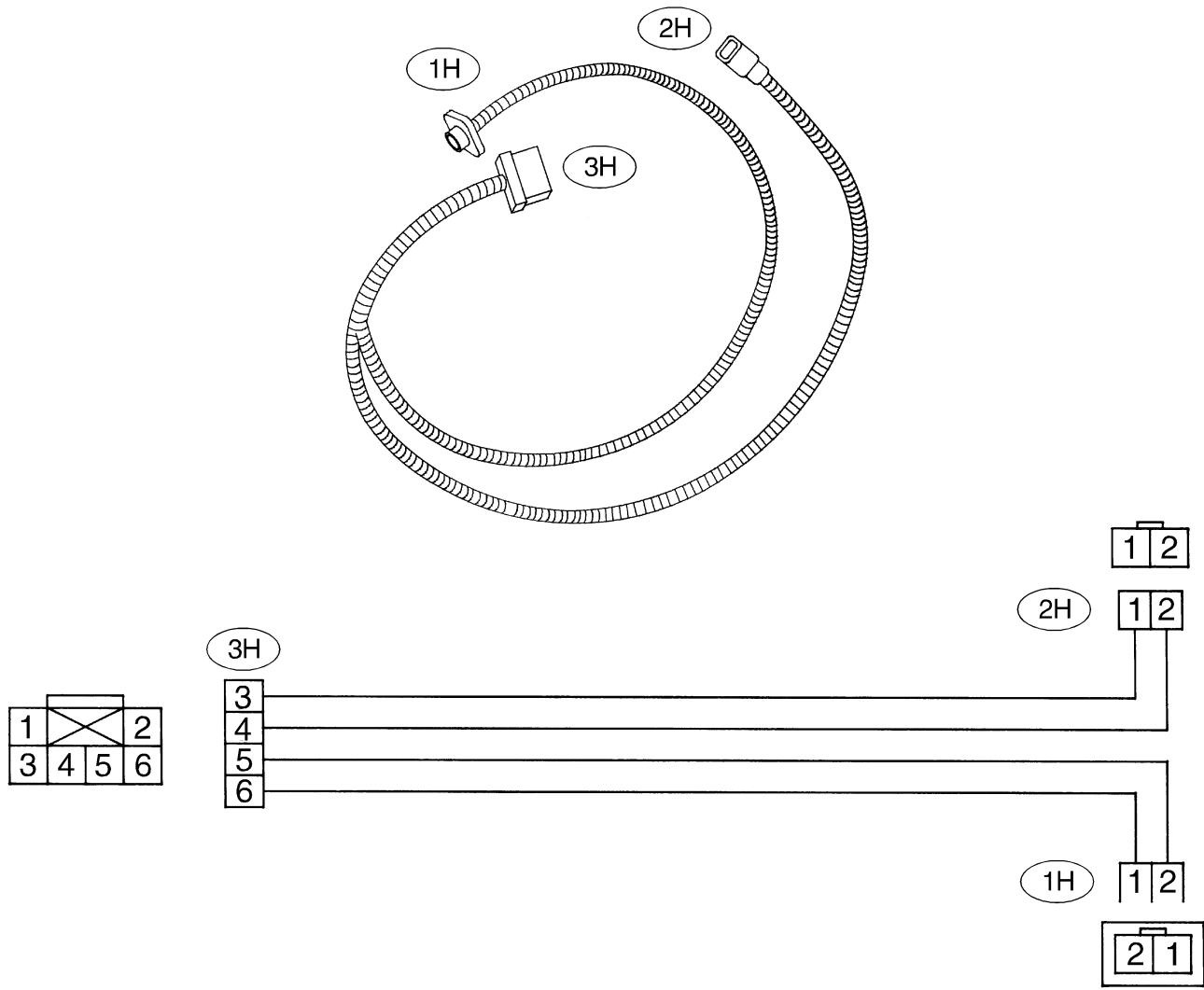
PN 98299FC010



S5M0247A

3. TEST HARNESS H S002001A1704

PN 98299FA030



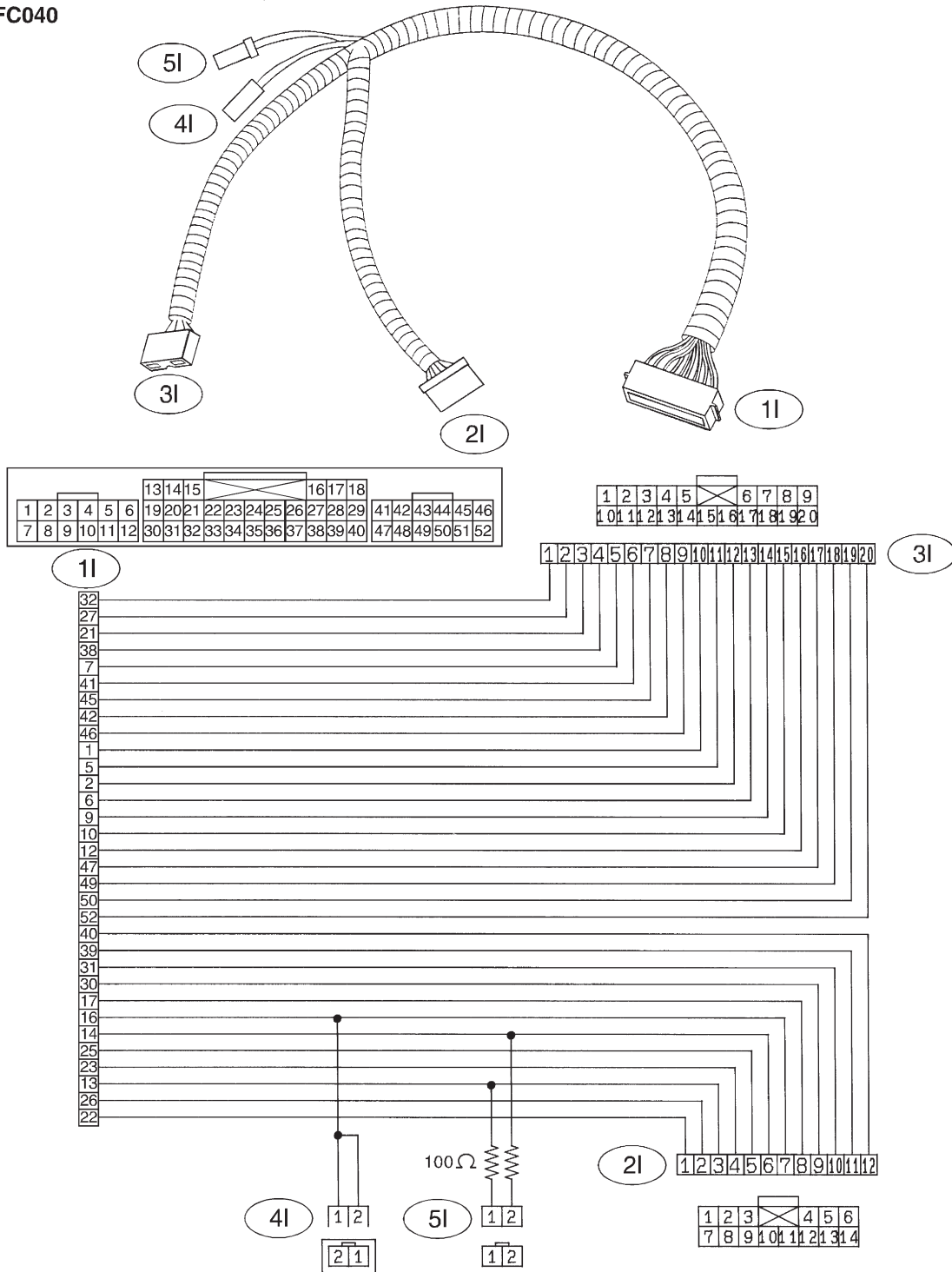
B5M0553B

GENERAL DESCRIPTION

Airbag System

4. TEST HARNESS I S002001A1705

PN 98299FC040

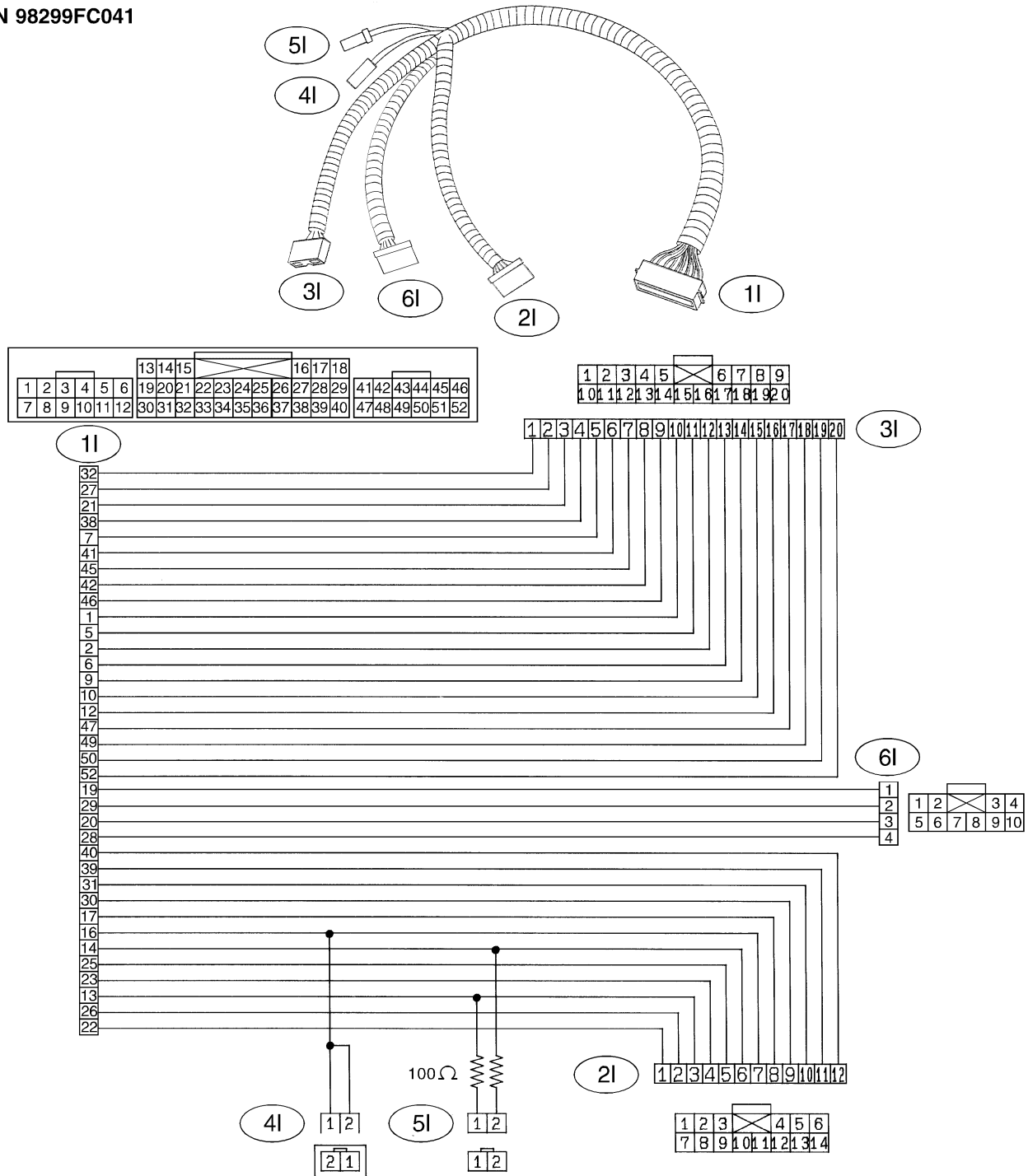


S5M0340A

5. TEST HARNESS I2

S002001A1706

PN 98299FC041

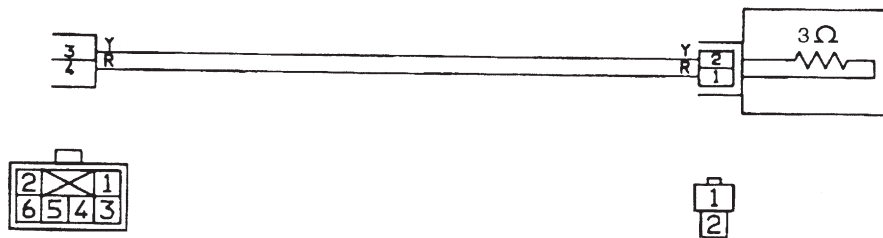
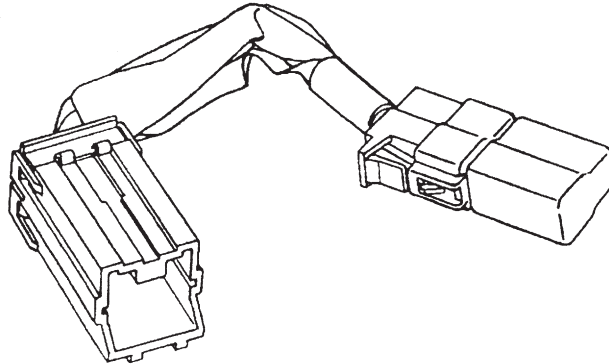


B5M0927A

6. AIRBAG RESISTOR S002001A1707

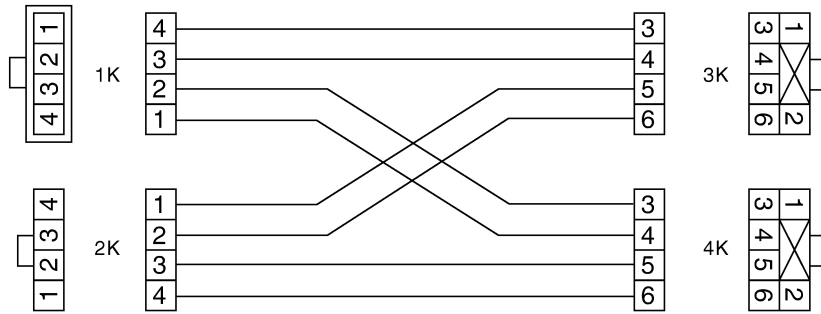
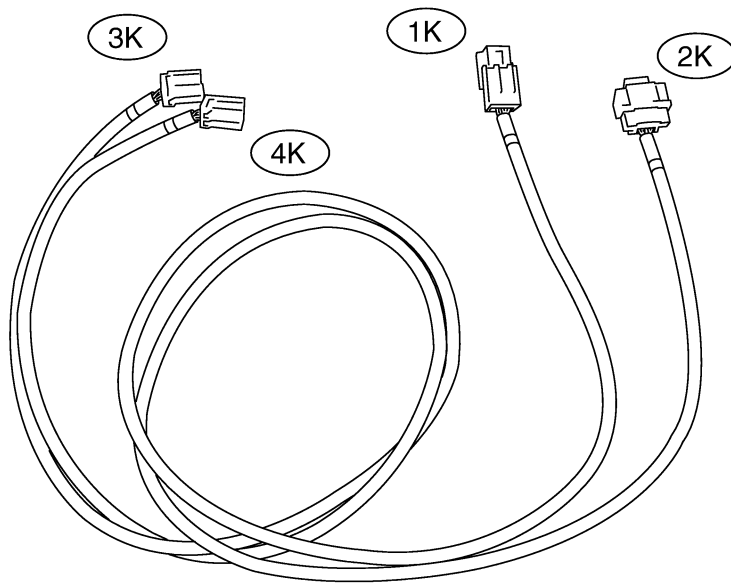
The airbag resistor is used during diagnostics. The airbag resistor has the same resistance as the airbag module and thus provides safety when used instead of the airbag module. It also makes it possible to finish, diagnostics in less time.

PN 98299PA040



B5M0114A

7. TEST HARNESS K S002001A1708



B5M1110A

7. Inspection Mode S002510

A: OPERATION S002510A16

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

LIST OF DIAGNOSTIC TROUBLE CODE

Airbag System

9. List of Diagnostic Trouble Code

S002511

A: LIST

S002511A12

Trouble code/ Contents of troubles	Memory function	Contents of diagnosis	Index No.
11	Provided.	● Airbag main harness circuit is open, shorted or shorted to ground. ● Airbag module harness (driver) circuit is open, shorted or shorted to ground. ● Roll connector circuit is open, shorted or shorted to ground. ● Airbag control module is faulty.	<Ref. to AB-27 TROUBLE CODE 11, Diagnostic Chart with Trouble Code.>
12	Provided.	● Airbag main harness circuit is open, shorted or shorted to ground. ● Airbag module harness (passenger) circuit is open, shorted or shorted to ground. ● Airbag control module is faulty.	<Ref. to AB-29 TROUBLE CODE 12, Diagnostic Chart with Trouble Code.>
15	Provided.	● Airbag main harness circuit (driver) is shorted to power supply. ● Airbag module harness (driver) is shorted to power supply. ● Roll connector is shorted to power supply. ● Airbag control module is faulty.	<Ref. to AB-30 TROUBLE CODE 15, Diagnostic Chart with Trouble Code.>
16	Provided.	● Airbag main harness circuit (passenger) is shorted to power supply. ● Airbag module harness (passenger) is shorted to power supply. ● Airbag control module is faulty.	<Ref. to AB-32 TROUBLE CODE 16, Diagnostic Chart with Trouble Code.>
21	Provided.	Airbag control module is faulty.	<Ref. to AB-33 TROUBLE CODE 21, Diagnostic Chart with Trouble Code.>
22	Provided.	Airbag module is inflated.	<Ref. to AB-33 TROUBLE CODE 22, Diagnostic Chart with Trouble Code.>
23	Not provided.	(AB6) is not connected properly to airbag control module.	<Ref. to AB-33 TROUBLE CODE 23, Diagnostic Chart with Trouble Code.>
24	Not provided.	● Airbag control module is faulty. ● Airbag main harness circuit is open. ● Fuse No. 11 (in fuse box) is blown. ● Body harness circuit is open.	<Ref. to AB-34 TROUBLE CODE 24, Diagnostic Chart with Trouble Code.>
25	Provided.	● Airbag control module is faulty. ● Airbag main harness circuit is open. ● Fuse No. 6 (in fuse box) is blown. ● Body harness circuit is open.	<Ref. to AB-35 TROUBLE CODE 25, Diagnostic Chart with Trouble Code.>
31	Provided.	● Front sub-sensor harness (RH) circuit is shorted. ● Front sub-sensor harness (RH) circuit is open. ● Front sub-sensor (RH) is faulty. ● Airbag control module is faulty.	<Ref. to AB-36 TROUBLE CODE 31, Diagnostic Chart with Trouble Code.>
32	Provided.	● Front sub-sensor harness (LH) circuit is shorted. ● Front sub-sensor harness (LH) circuit is open. ● Front sub-sensor (LH) is faulty. ● Airbag control module is faulty.	<Ref. to AB-38 TROUBLE CODE 32, Diagnostic Chart with Trouble Code.>

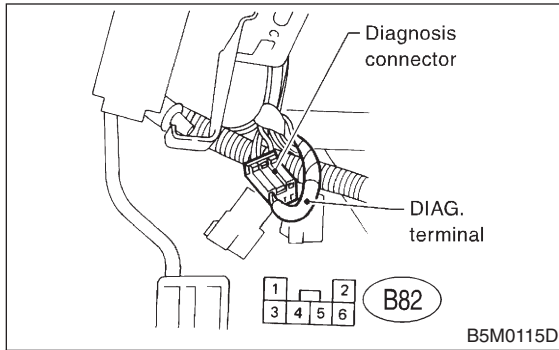
6. Read Diagnostics Trouble Code

S002628

A: OPERATION

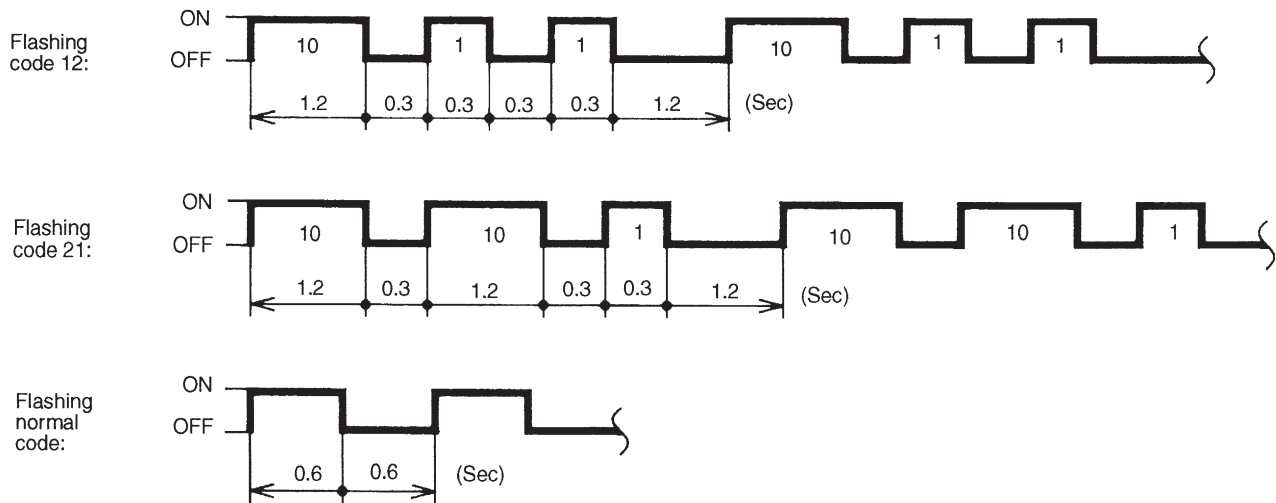
S002628A16

- 1) Turn the ignition switch ON.
- 2) Connect the diagnosis terminal to diagnosis connector terminal No. 1 in the driver's seat lower cover area.



- 3) Read trouble code by identifying the way the air bag warning light flashes.
The airbag warning light flashes a code corresponding to the faulty parts.
The long segment (1.2 sec on) indicates a "ten", and the short segment (0.3 sec on) indicates a "one".

Example:



B5M0117A

- 4) Turn the ignition switch OFF, and disconnect the diagnosis terminal from the diagnosis connector terminal No 1. Wind tape around the diagnosis terminal and return it to its original position.

2. Front Seat Belt S801303

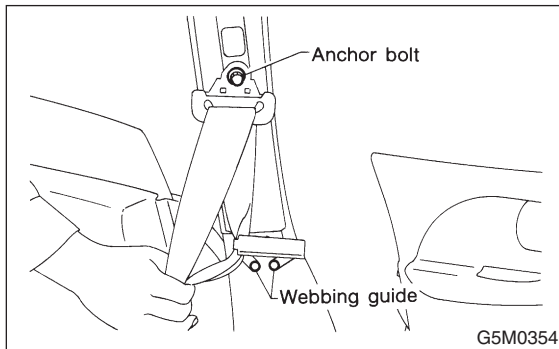
A: REMOVAL S801303A18

WARNING:

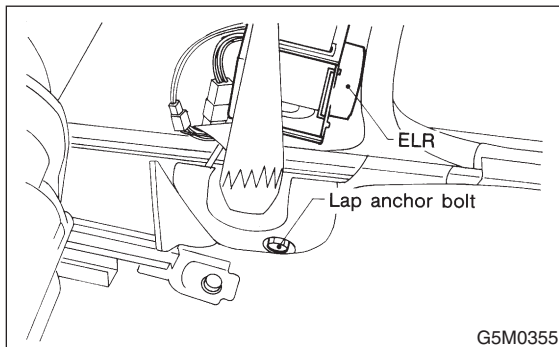
Replace front seat belt worn by occupants of a vehicle that has been in a serious accident. The entire assembly should be replaced even if damage is not obvious.

1. OUTER BELT (SEDAN AND WAGON) S801303A1803

- 1) Remove through-anchor cover cap.
- 2) Remove shoulder anchor bolt.
- 3) Remove webbing guide.



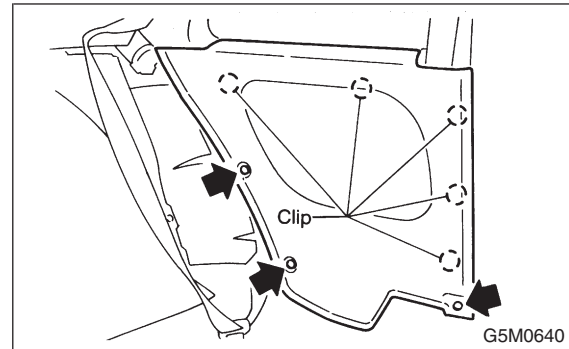
- 4) Remove center lower pillar trim panel.
- 5) Remove front cover side plate.
- 6) Roll up floor mat at the bottom of center pillar.
- 7) Remove lap anchor bolt.



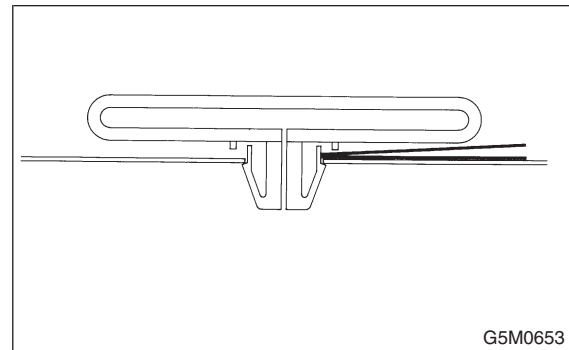
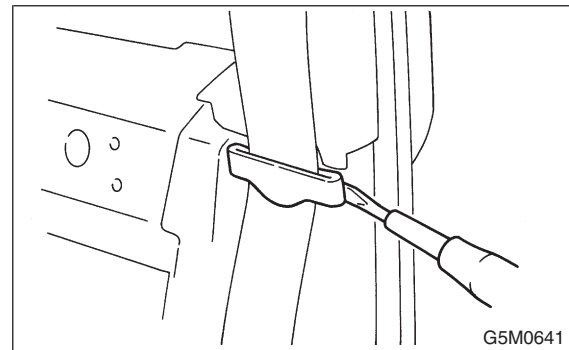
- 8) Remove belt retractor and outer belt.

2. OUTER BELT (COUPE) S801303A1804

- 1) Remove rear seat cushion and backrest. <Ref. to SE-7 REMOVAL, Rear Seat.>
- 2) Remove rear quarter trim.



- 3) Remove webbing guide.



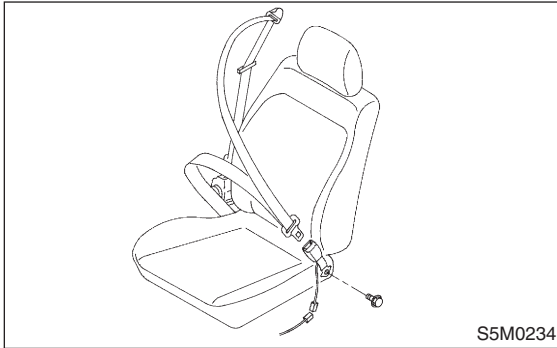
- 4) Remove anchor cover cap.
- 5) Remove four bolts and then belt retractor and outer belt.

FRONT SEAT BELT

Seat Belt System

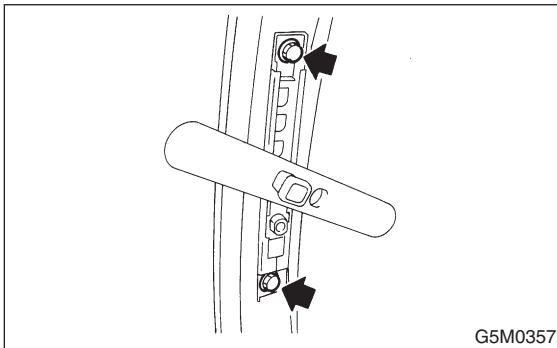
3. INNER BELT S801303A1805

- 1) Disconnect connector.
- 2) Remove anchor bolt and then detach inner belt.



4. ADJUSTABLE SHOULDER ANCHOR S801303A1806

- 1) Remove shoulder anchor bolt.
- 2) Remove lower center pillar trim.
- 3) Remove front and front pillar trim panel.
- 4) Remove adjustable shoulder anchor assembly.



B: INSTALLATION S801303A11

1. OUTER BELT (SEDAN AND WAGON) S801303A1103

Install in the reverse order of removal.

CAUTION:

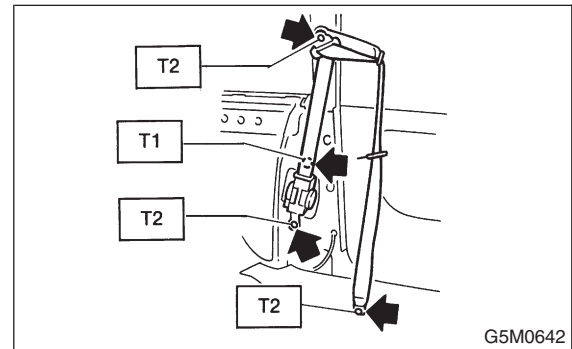
- The left and right ELR's are not mutually interchangeable because different sensors are used.
- Be careful not to twist belts during installation.

2. OUTER BELT (COUPE) S801303A1104

Install in the reverse order of removal.

Tightening torque:

- T1: 13 N·m (1.3 kgf-m, 9.4 ft-lb)*
T2: 35 N·m (3.6 kgf-m, 26 ft-lb)



CAUTION:

- The left and right ELR's are not mutually interchangeable because different sensors are used.
- Be careful not to twist belts during installation.

3. INNER BELT S801303A1105

Install in the reverse order of removal.

4. ADJUSTABLE SHOULDER ANCHOR S801303A1106

Install in the reverse order of removal.

C: INSPECTION S801303A10

1. OUTER BELT S801303A1003

Check for the following, and replace with new parts if necessary.

- Seat belt is slackened, bent, or frayed. Seat belt is abnormally wound or extended.

2. INNER BELT S801303A1004

Check for the following, and replace with new parts if necessary.

- Inner belt is deformed or damaged.
- Seat belt buckle is engaged improperly.

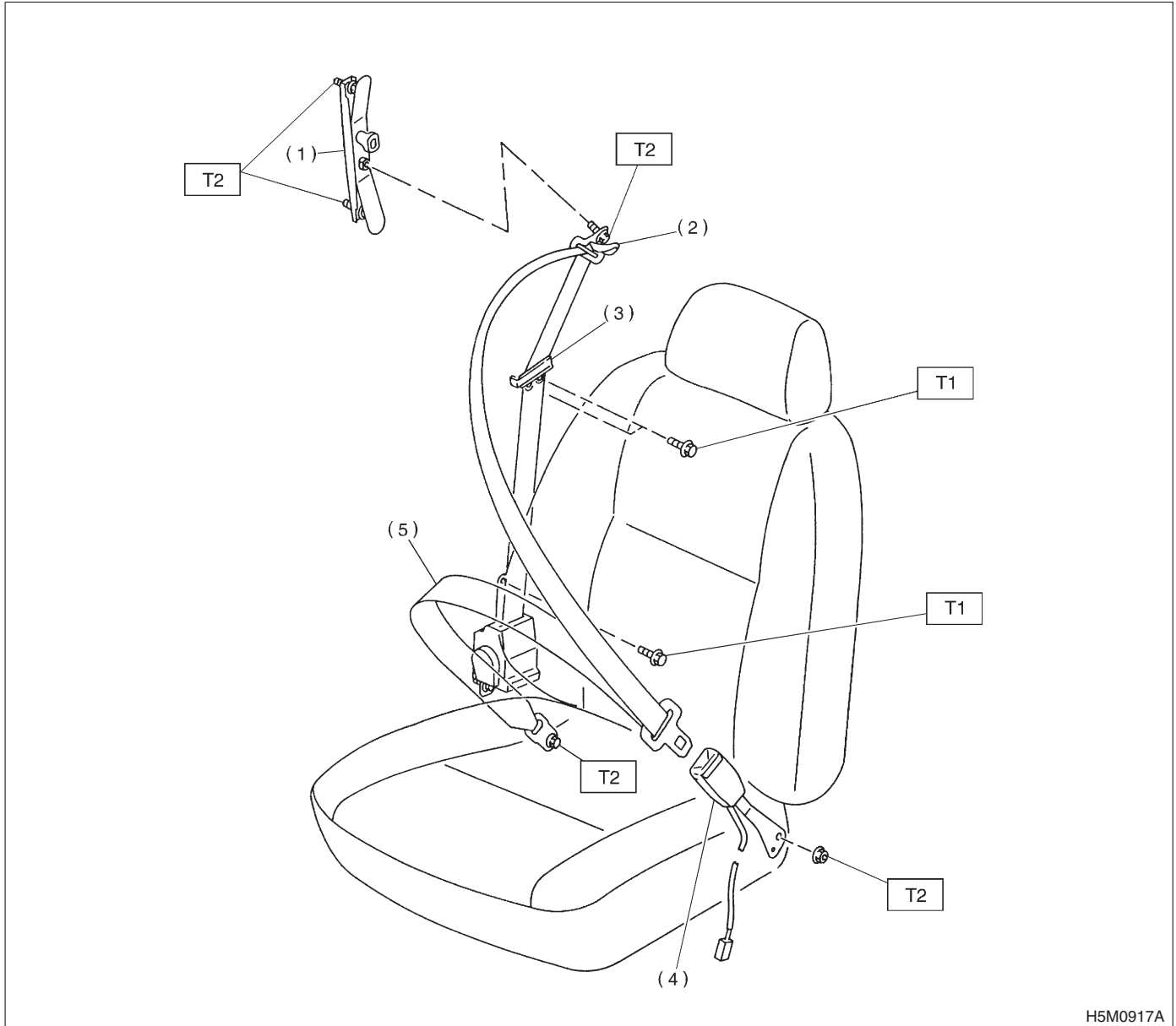
GENERAL DESCRIPTION

Seat Belt System

1. General Description S801001

A: COMPONENT S801001A05

1. FRONT SEAT BELT S801001A0501



(1) Adjuster anchor ASSY

(2) Through cover

(3) Webbing guide

(4) Inner belt ASSY

(5) Outer belt ASSY

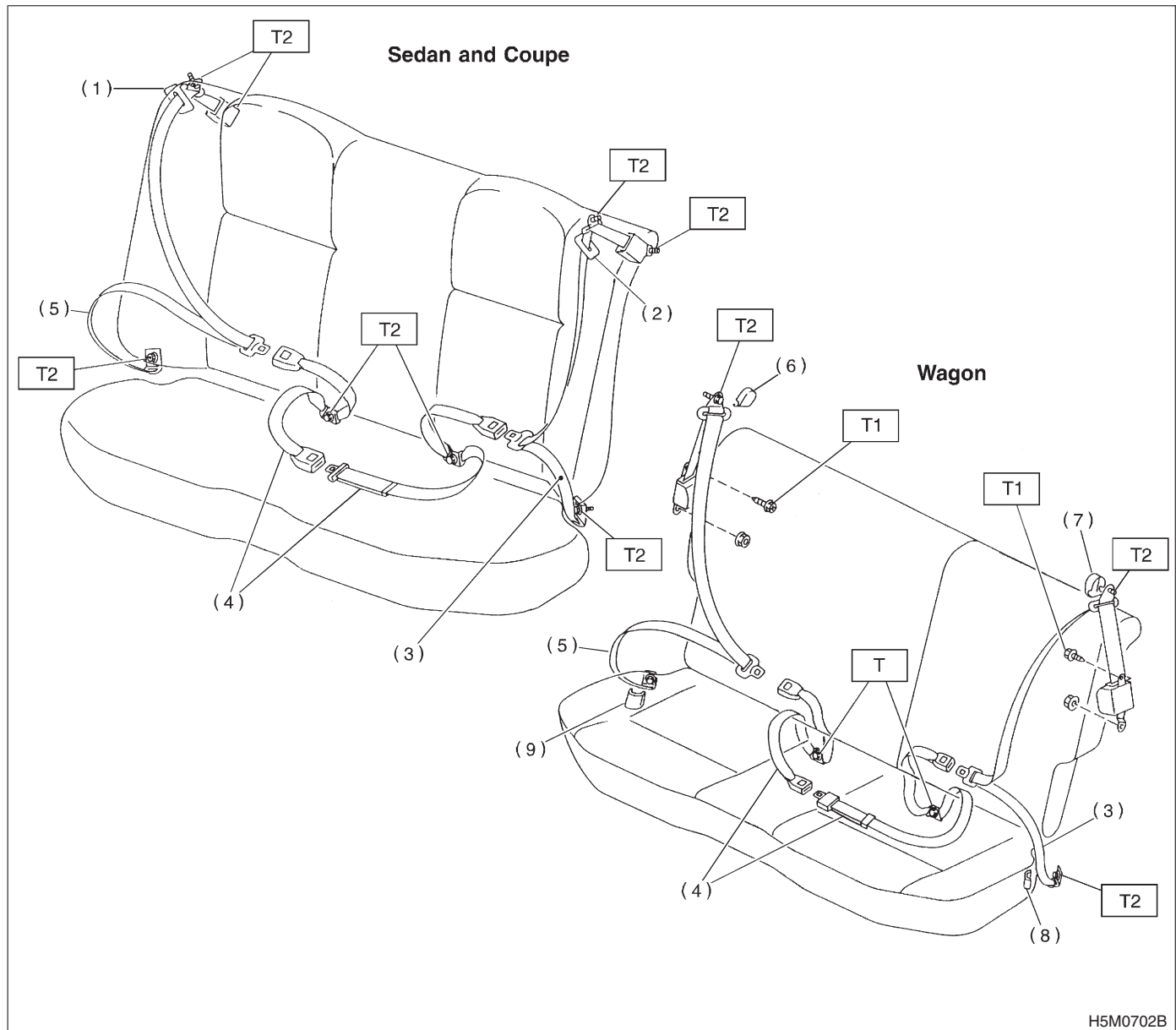
Tightening torque: N·m (kgf-m, ft-lb)

T1: 13 (1.3, 9.4)

T2: 35 (3.6, 26)

2. REAR SEAT BELT

S801001A0504



H5M0702B

- | | |
|--------------------------|---------------------------|
| (1) Webbing cover (RH) | (6) Through cap (RH) |
| (2) Webbing cover (LH) | (7) Through cap (LH) |
| (3) Outer seat belt (LH) | (8) Lap anchor cover (LH) |
| (4) Center seat belt | (9) Lap anchor cover (RH) |
| (5) Outer seat belt (RH) | |

Tightening torque: N·m (kgf-m, ft-lb)

T1: 13 (1.3, 9.4)

T2: 35 (3.6, 26)

GENERAL DESCRIPTION

Seat Belt System

B: CAUTION SB01001A03

If the material gets in your eyes or on your skin during deployment, wash it away with clean water, and then consult a doctor.

REAR SEAT BELT

3. Rear Seat Belt

SB01304

A: REMOVAL

SB01304A18

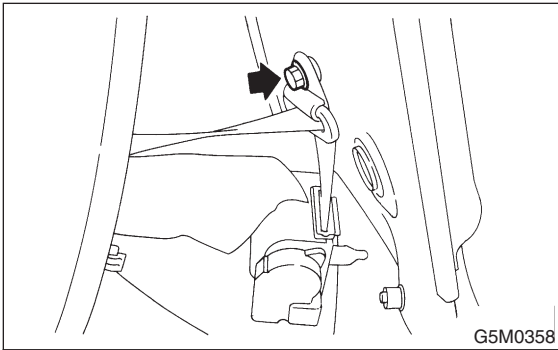
WARNING:

Replace rear seat belt worn by occupants of a vehicle that has been in a serious accident. The entire assembly should be replaced even if damage is not obvious.

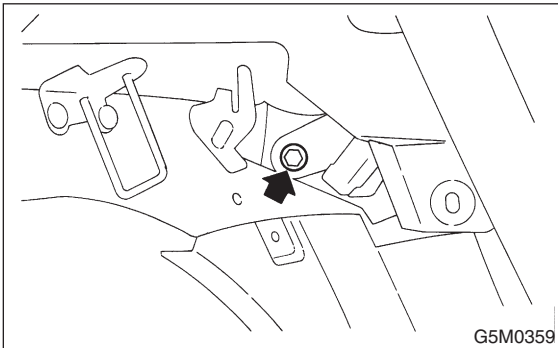
1. SEDAN AND COUPE

SB01304A1807

- 1) Remove rear cushion from body.
- 2) Remove rear backrest from body.
- 3) Remove screw from lower side of rear quarter trim, and lift-up lower side of rear quarter trim.
- 4) Remove trim panel rear bracket upper.
- 5) Remove rear quarter trim.
- 6) Remove outer anchor bolts.

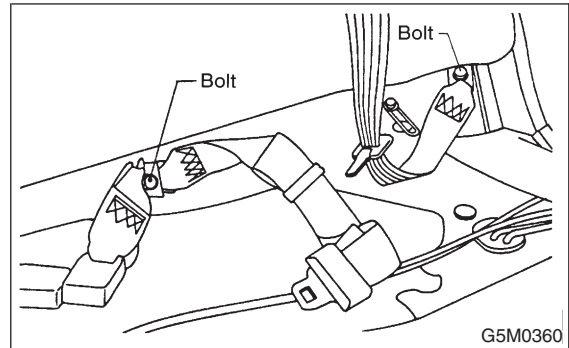


- 7) Remove rear bolt from ELR.



- 8) Remove belt from outlet in rear quarter along slit.

- 9) Remove inner bolts which secure outer seat.
- 10) Remove washer from bolt, then remove bolt, belt assembly, and anchor plate bracket.
- 11) Remove inner bolts (2 places) from center seat.

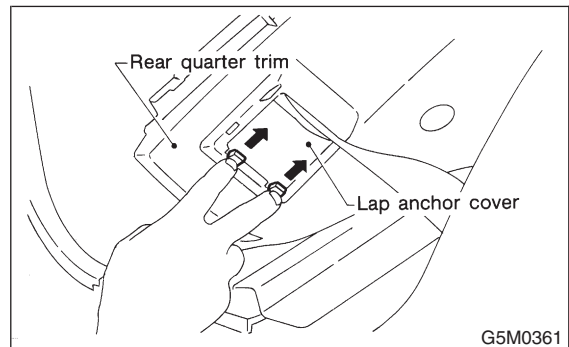


- 12) Remove washer from bolt, and remove bolt, belt assembly and anchor plate bracket.

2. WAGON

SB01304A1808

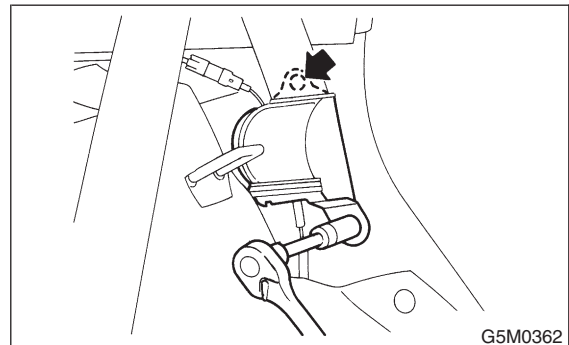
- 1) Raise rear cushion.
- 2) Remove rear backrest from body.
- 3) Remove shoulder anchor cover and anchor bolt.
- 4) Remove lower portion of rear quarter trim.
- 5) Remove lap anchor cover and bolt.



- 6) Remove 7/16-20 UNF nuts which secure ELR and remove ELR.

CAUTION:

Remove outer seat belt and center seat belt in similar manner used to remove those from Sedan.



B: INSTALLATION S801304A11

1. SEDAN AND COUPE S801304A1107

Install in the reverse order of removal.

NOTE:

Ensure that seat belt is properly reeled on and off after installation of ELR.

CAUTION:

- Be extremely careful not to confuse center seat anchor plate with outer seat anchor plate during installation.
- Ensure that seat belts are free from twisting after installation.
- Ensure that tongues, buckles and belts are properly placed on seat.

2. WAGON S801304A1108

Install in the reverse order of removal.

NOTE:

Ensure that seat belt is properly reeled on and off after installation of ELR.

CAUTION:

- Be extremely careful not to confuse center seat anchor plate with outer seat anchor plate during installation.
- Ensure that seat belts are free from twisting after installation.
- Ensure that tongues, buckles and belts are properly placed on seat.

C: INSPECTION S801304A10

1. SEDAN AND COUPE S801304A107

Check for the following, and replace with new parts if necessary.

- Seat belt is slackened, bent, or frayed. Seat belt is abnormally wound or extended.

2. WAGON S801304A1008

Check for the following, and replace with new parts if necessary.

- Seat belt is slackened, bent, or frayed. Seat belt is abnormally wound or extended.

MEMO: