

S SERVICE DATA **AIRBAG**

1. Supplemental Restraint System "Airbag"
2. Body Datum Points
3. Datum Dimensions
4. Datum Points and Dimensions Concerning
On-Board Aiming Adjustment (G.C.C. models only)

C COMPONENT PARTS

1. Front Hood and Hood Lock
2. Trunk Lid
3. Front Bumper
4. Rear Bumper
5. Sunroof
6. Steering Support Beam

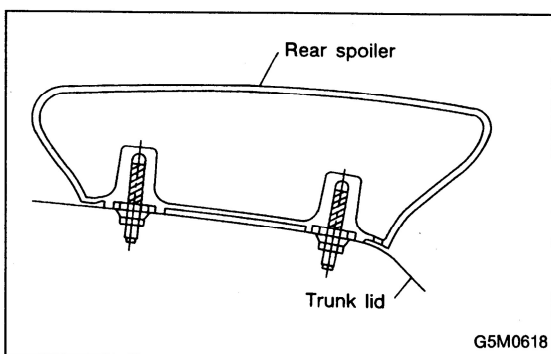
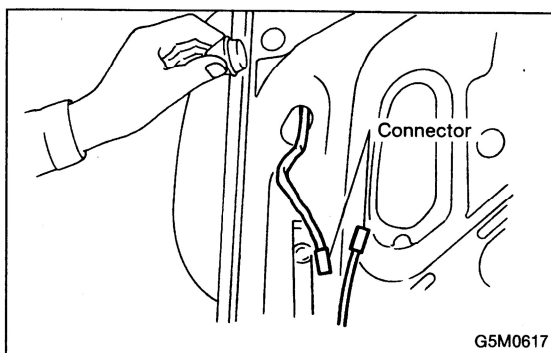
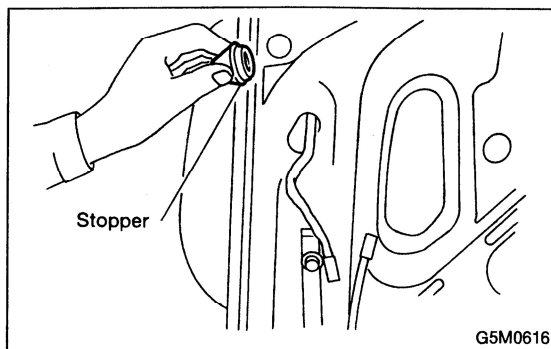
W SERVICE PROCEDURE.....2

1. Hood
2. Trunk Lid (including rear gate opener)
3. Fuel Flap
4. Repair Instruction for Fuel Flap
5. Front Bumper **AIRBAG**
6. Rear Bumper
7. Coating Method for PP Bumper
8. Repair Instructions for Colored PP Bumper
9. Front Fender **AIRBAG**
10. Mud Guard and Arch Protector **AIRBAG**
11. Cowl Panel
12. Molding and Retainer
13. Front Grille
14. Sunroof
15. Rear Spoiler (4 door Sedan)2
16. Rear Spoiler (5 door).....3

T DIAGNOSTICS

1. Sunroof

15. Rear Spoiler (4 door Sedan)

**15. Rear Spoiler (4 door Sedan)****A: REMOVAL**

1) Remove stoppers from both sides of trunk lid.

2) Disconnect high-mount stop lamp connector. (Stop lamp equipped vehicle only)

3) Remove nuts from rear spoiler.

CAUTION:

Be careful not to drop nuts into box section of trunk lid.

Tightening torque:

$7.4 \pm 2.0 \text{ N}\cdot\text{m}$ ($0.75 \pm 0.2 \text{ kg}\cdot\text{m}$, $5.4 \pm 1.4 \text{ ft}\cdot\text{lb}$)

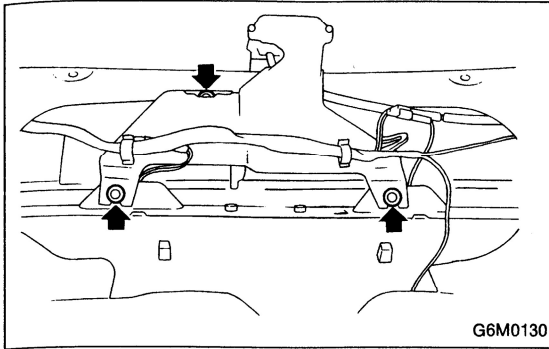
4) Lift rear spoiler and unfasten clips. Remove spoiler from trunk lid.

CAUTION:

Be careful not to damage trunk lid.

B: INSTALLATION

Installation is in the reverse order of removal.

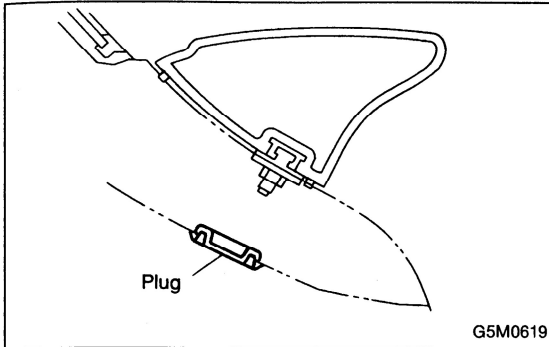


16. Rear Spoiler (5 door)

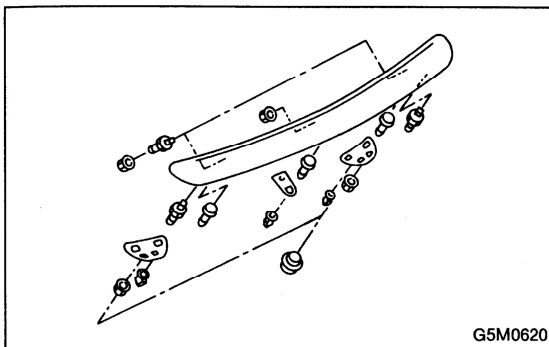
A: REMOVAL

1. WAIST SPOILER

1) Remove rear wiper. < Ref. to 6-2 [W6B3]. >



2) Remove plugs from rear gate.



3) Remove nuts from spoiler.

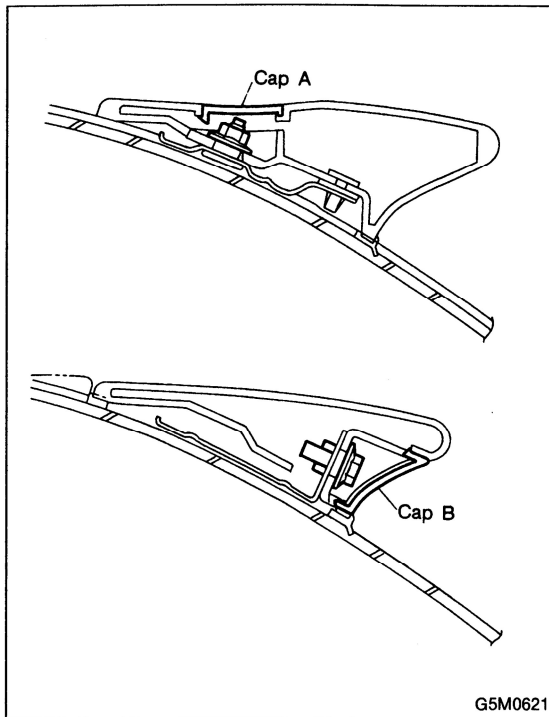
Tightening torque:

$7.4 \pm 2.0 \text{ N}\cdot\text{m}$ ($0.75 \pm 0.2 \text{ kg}\cdot\text{m}$, $5.4 \pm 1.4 \text{ ft}\cdot\text{lb}$)

4) Lift spoiler and unfasten clips.
Remove spoiler from rear gate.

CAUTION:

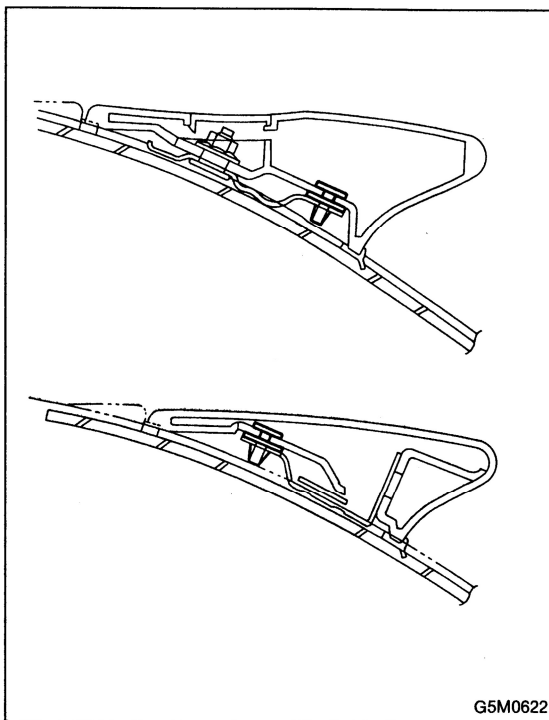
Be careful not to damage rear gate.

**2. ROOF SPOILER**

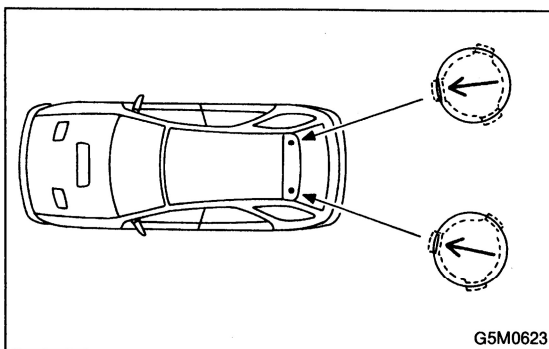
- 1) Remove caps from both sides of spoiler.
- 2) Remove nuts and bolts from spoiler.

Tightening torque:

$7.4 \pm 2.0 \text{ N}\cdot\text{m}$ ($0.75 \pm 0.2 \text{ kg}\cdot\text{m}$, $5.4 \pm 1.4 \text{ ft}\cdot\text{lb}$)



- 3) Lift spoiler and unfasten clips.

**B: INSTALLATION**

Installation is in the reverse order of removal.

NOTE:

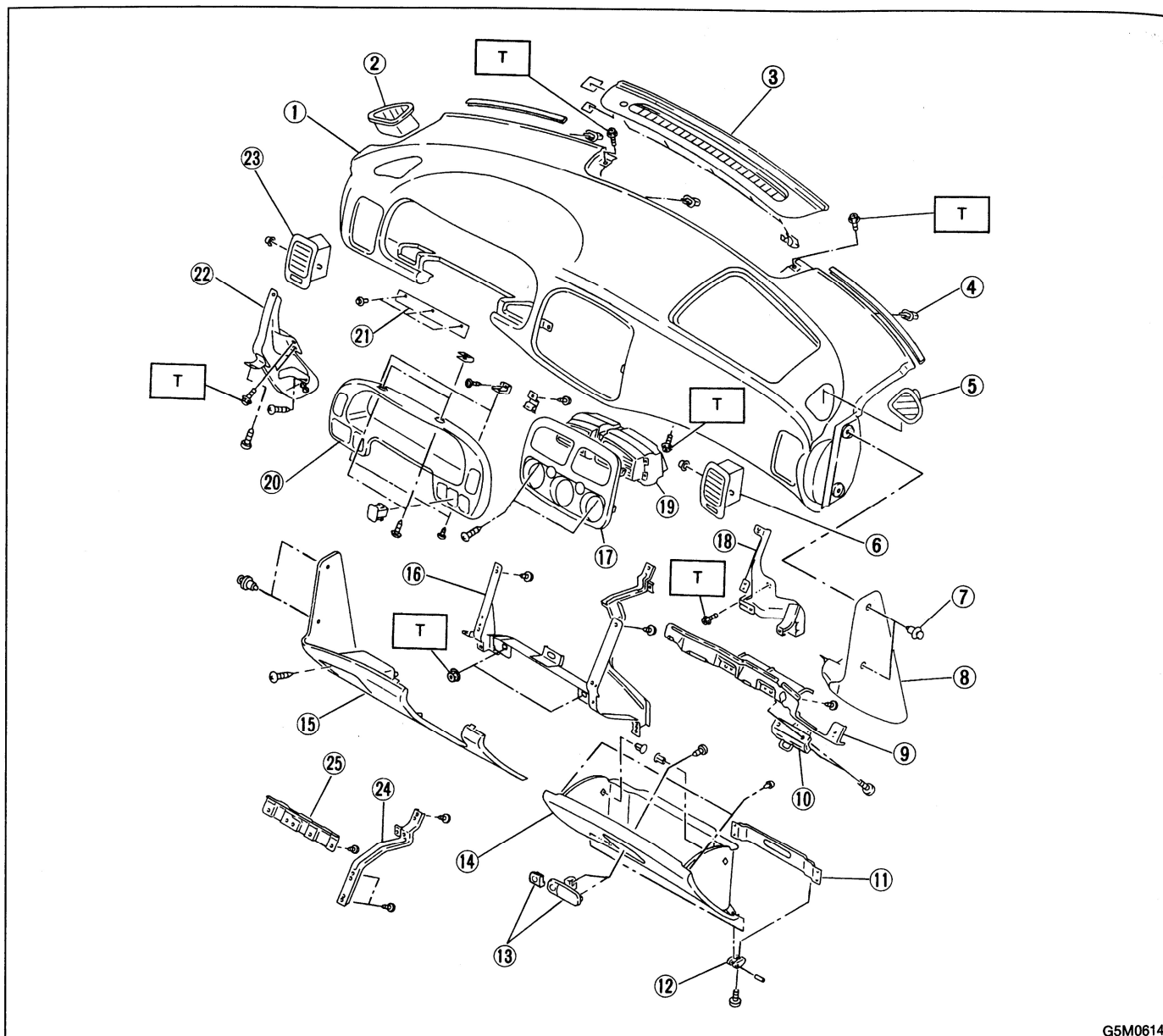
Install cap A with the arrow (on the back) facing the center of the vehicle as shown in the figure.

INSTRUMENT PANEL 5-4

	Page
C COMPONENT PARTS	2
1. Instrument Panel	2
W SERVICE PROCEDURE	3
1. Instrument Panel AIRBAG	3

1. Instrument Panel

4. WITH PASSENGER AIRBAG MODEL



G5M0614

- ① Pad & frame
- ② Grille SD def. (D)
- ③ Front def. grille
- ④ Grommet
- ⑤ Grille SD def. (P)
- ⑥ Grille vent (P)
- ⑦ Clip
- ⑧ SD panel (P)
- ⑨ Reinf. airbag CTR
- ⑩ Striker

- ⑪ Frame pocket
- ⑫ Hinge
- ⑬ Lock ASSY
- ⑭ Pocket ASSY
- ⑮ Lower cover ASSY
- ⑯ Reinf. CTR
- ⑰ Panel CTR (A)
- ⑱ Reinf. (P)
- ⑲ Grille CTR def.
- ⑳ Meter visor

- ㉑ Cover
- ㉒ Reinf. (D)
- ㉓ Grille vent (D)
- ㉔ Reinf. airbag B
- ㉕ Reinf. airbag UPPER

Tightening torque: N·m (kg-cm, in-lb)
T: 6.9 ± 1.0 (70 ± 10, 60.8 ± 8.7)

1. Instrument Panel **AIRBAG**

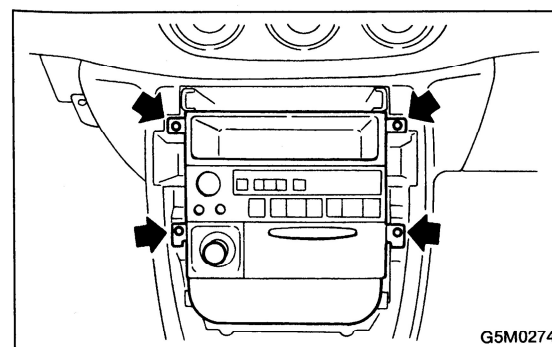
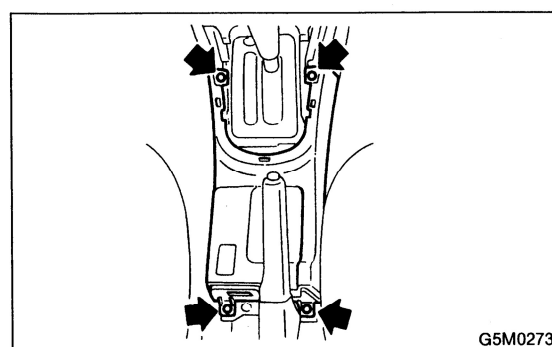
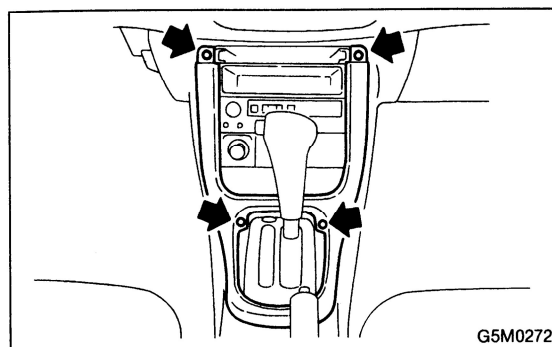
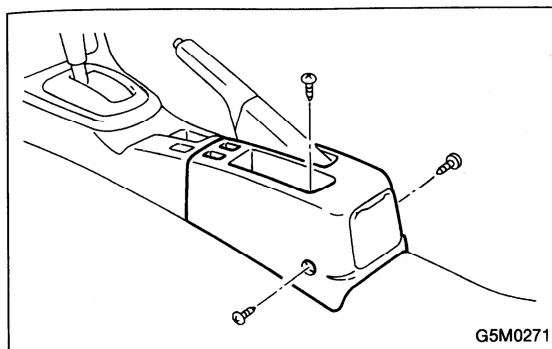
Airbag system wiring harness is routed near combination meter and audio.

CAUTION:

- All Airbag system wiring harness and connectors are colored yellow. Do not use electrical test equipment on these circuits.
- Be careful not to damage Airbag system wiring harness when servicing the combination meter and audio.

A: REMOVAL

- 1) Disconnect GND cable from battery.
- 2) Remove rear console box.



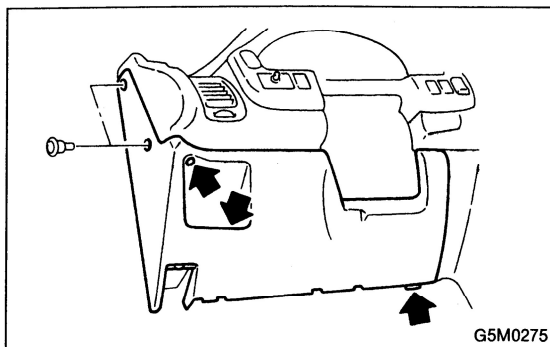
- 3) Remove the covers on both sides of the clock (Europe model). Pull cup holder.
- 4) Turn over shift lever boot of front end (MT model). Remove select lever cover (AT model).
- 5) Remove console cover and disconnect connectors (Europe model). Remove console cover (except Europe model).

- 6) Remove center console.

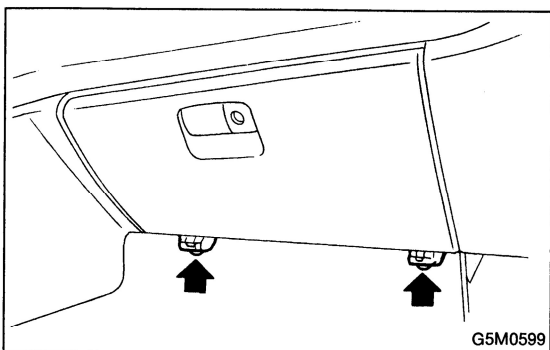
- 7) Remove audio assembly and then disconnect radio antenna feeder and connectors.

CAUTION:

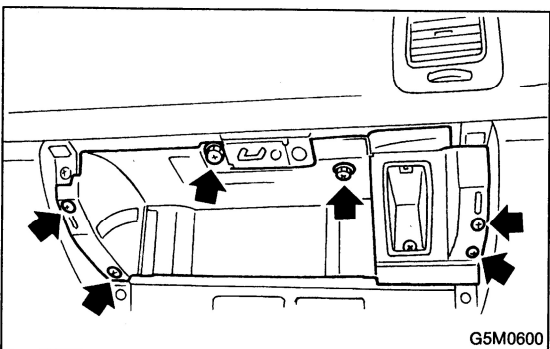
Be sure to hold socket section and not harness when disconnecting.



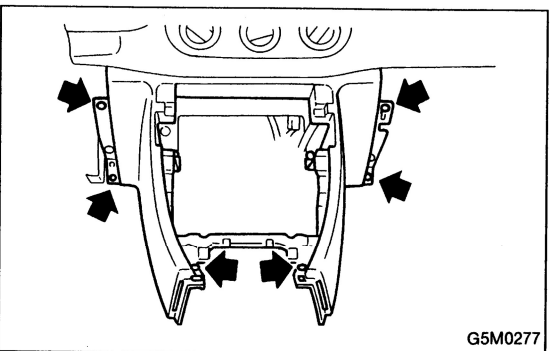
8) Remove lower cover and then disconnect seat belt timer connector.



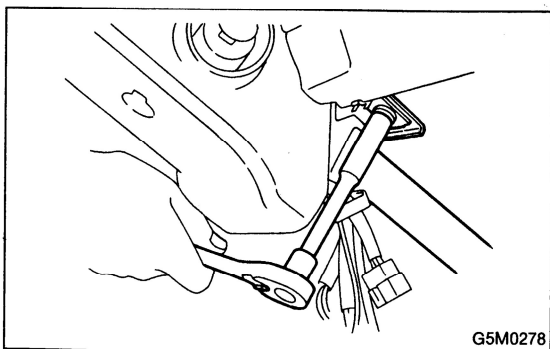
9) Remove glove box.



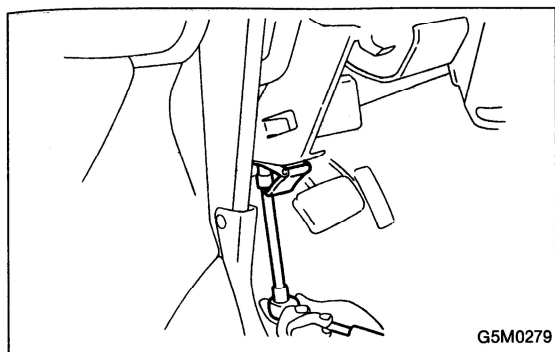
10) Remove pocket back panel (Airbag model).



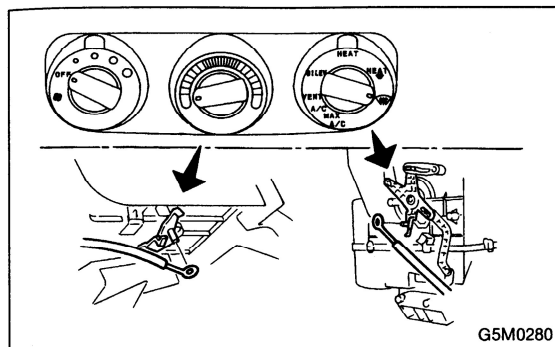
11) Remove instrument panel console.



12) Remove two bolts and lower steering column.



13) Remove hood opener lever.

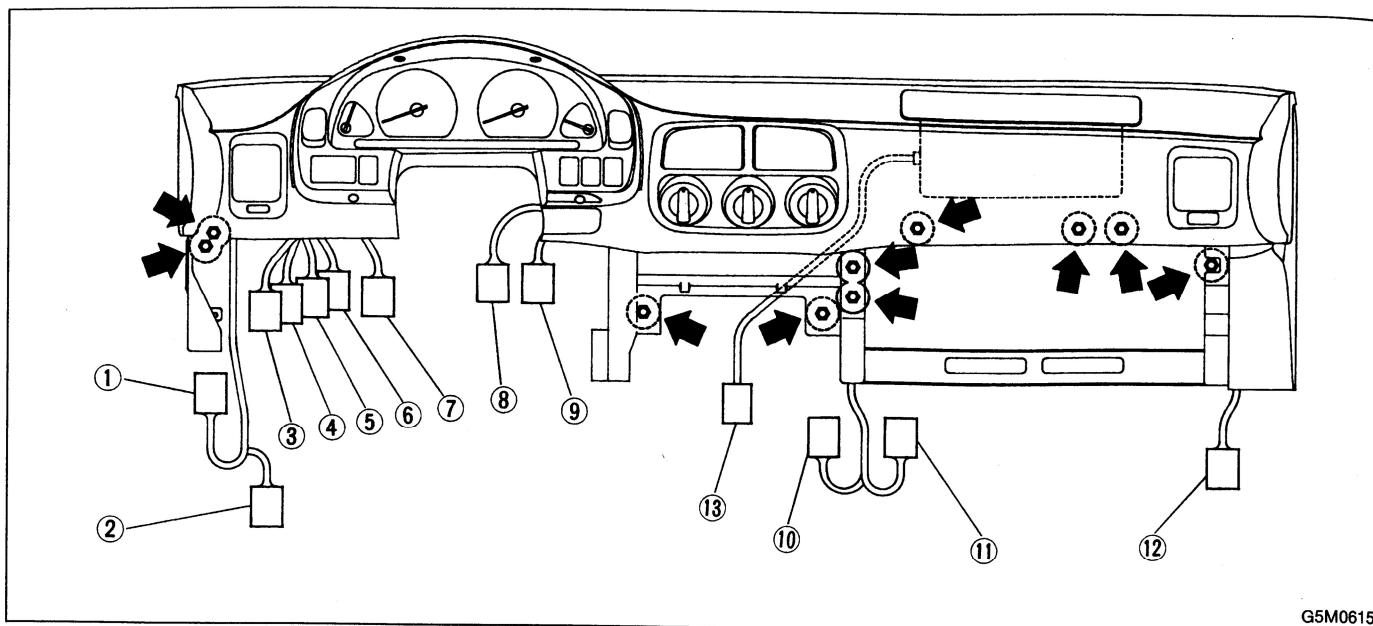


14) Set temperature control switch to Max. COLD, and mode selector switch to defroster position.

15) Disconnect both temperature control cable and mode selector cable from link.

NOTE:

Do not move switch and link when installing.



G5M0615

16) Disconnect harness connectors.

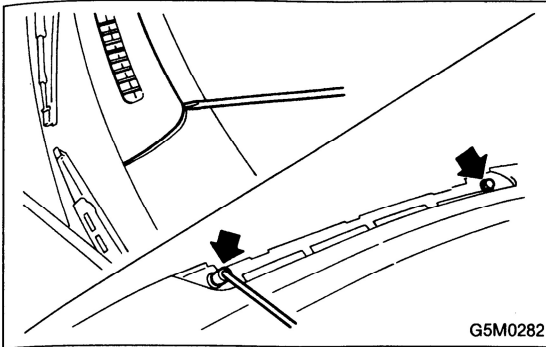
	LHD model	RHD model
①	15P/Gray	15P/Gray
②	12P/Black	—
③	20P/White	22P/Black
④	20P/Blue	22P/White
⑤	12P/Black	22P/Blue
⑥	8P/Natural	22P/Brown (AT model)
⑦	—	6P/White
⑧	4P/Blue	—
⑨	4P/Blue	4P/Blue
⑩	6P/Black	6P/Black
⑪	—	4P/Blue
⑫	16P/Natural	—
⑬	Airbag connector (AB10)/Yellow	—

CAUTION:

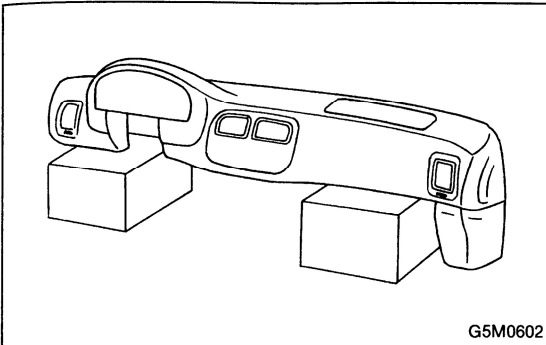
- Be sure to hold socket section and not harness when disconnecting.
- When disconnecting airbag connector (AB10), refer to 5-5 [M2-6].

NOTE:

Put matching mark, if necessary, for easy re-assembly.
17) Remove the ten bolts and nuts.



- 18) Remove front defroster grille and two bolts.
- 19) Remove instrument panel carefully from the body and then disconnect speedometer cable from back of combination meter.



CAUTION:

When storing removed instrument panel with passenger airbag module, place it standing up on the floor.

SUPPLEMENTAL RESTRAINT SYSTEM

5-5

	Page
S SPECIFICATIONS AND SERVICE DATA	2
1. Inspection and Replacement Standards.....	2
C COMPONENT PARTS	3
1. SRS Airbag	3
W SERVICE PROCEDURE	4
1. Precaution	4
2. Airbag Module	6
3. Front Sensor	
4. Main Harness.....	7
5. Airbag Control Unit	
6. Combination Switch	
7. Disposal of Airbag Module	8

1. Inspection and Replacement Standards

2. AIRBAG MODULE (Driver and passenger)

Inspection standard:

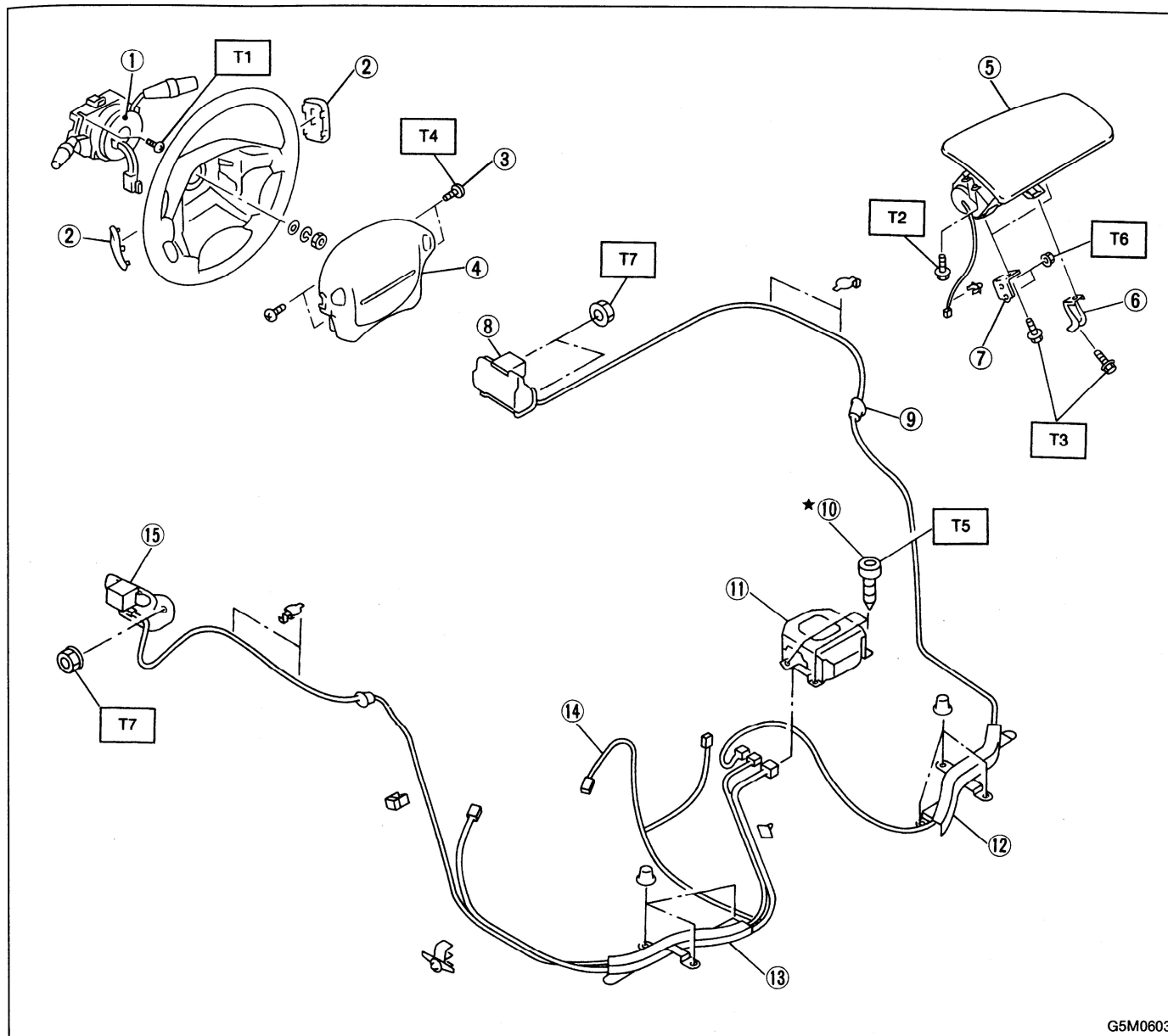
- The vehicle damaged in a collision (regardless of whether or not airbag is deployed.)
- The designated trouble code is output during self-diagnosis. (Refer to "Diagnostics" Section.)

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.

1. SRS Airbag

3. WITH PASSENGER AIRBAG MODEL

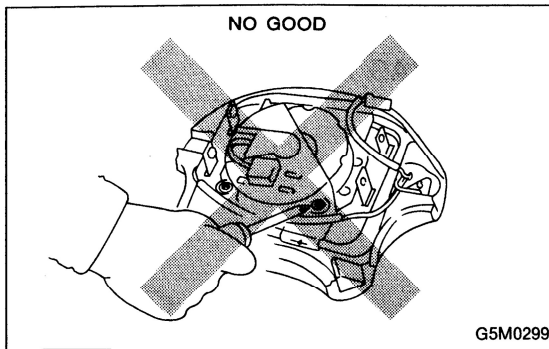


G5M0603

- ① Combination switch ASSY with roll connector
- ② Cover
- ③ TORX® bolt
- ④ Airbag module ASSY (Driver)
- ⑤ Airbag module ASSY (Passenger)
- ⑥ BRKT A
- ⑦ BRKT B
- ⑧ Front sensor ASSY RH
- ⑨ Grommet
- ⑩ TORX® bolt
- ⑪ Airbag control module
- ⑫ Protector RH
- ⑬ Protector LH
- ⑭ Airbag main harness
- ⑮ Front sensor ASSY LH

Tightening torque: N·m (kg-cm, in-lb)

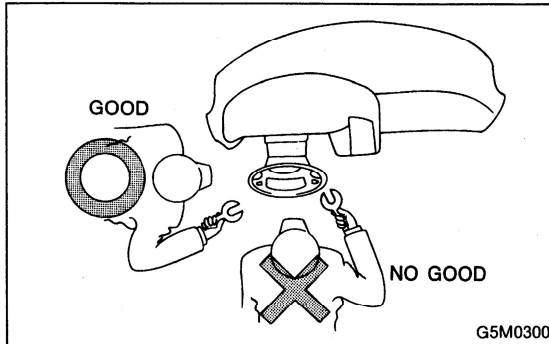
- T1: 2.5 ± 0.5 (25 ± 5 , 21.7 ± 4.3)
- T2: 4.4 ± 1.5 (45 ± 15 , 39 ± 13)
- T3: 7.4 ± 0.2 (75 ± 2 , 65.1 ± 1.7)
- T4: 9.8 ± 2.0 (100 ± 20 , 87 ± 17)
- T5: 9.81 ± 2.45 (100.0 ± 25.0 , 86.8 ± 21.7)
- T6: 17.7 ± 4.9 (180 ± 50 , 156 ± 43)
- T7: 19.6 ± 3.9 (200 ± 40 , 174 ± 35)



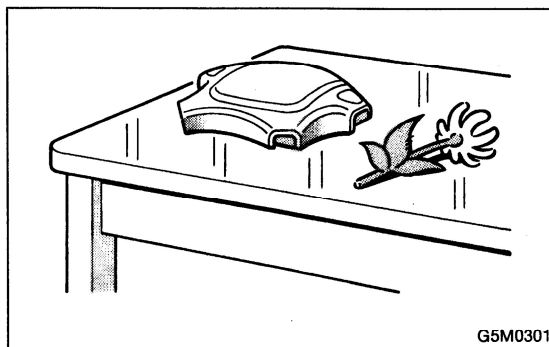
1. Precaution

2. AIRBAG MODULE

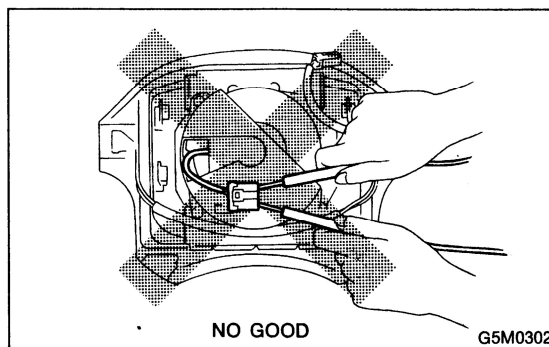
1) The airbag module (driver side and passenger side) must not be disassembled. The airbag module cannot be used again once inflated.



2) When removing and installing the airbag module (driver side and passenger side), the operator should stand, as much as possible, on the side of the airbag module.



3) After removal, the airbag module (driver side and passenger side) 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.



4) Do not check airbag module (driver side and passenger side) continuity with airbag removed from the vehicle body.

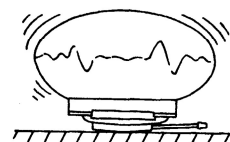
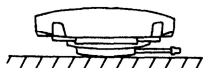
5) Replace airbag module (driver side and passenger side) with a new one, when any of the following conditions develop.

- 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.

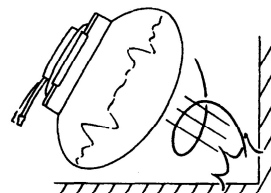
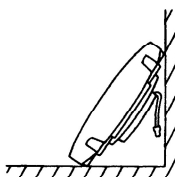
6) When storing a removed airbag module (driver side and passenger side), be sure to place it in parallel with floor with the pad facing up. Do not place it against a wall, or place anything on the pad; otherwise, a dangerous condition may be created if the module malfunctions.

Driver side

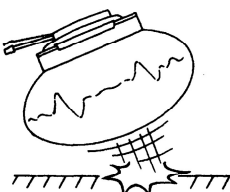
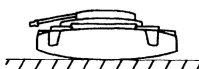
GOOD



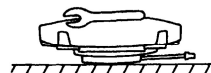
NO GOOD



NO GOOD

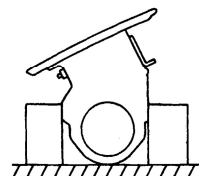


NO GOOD

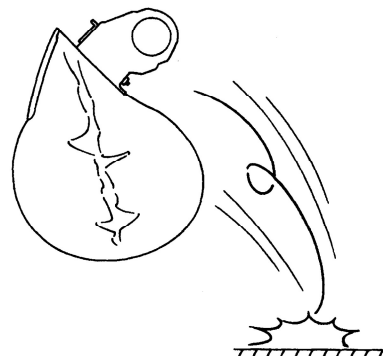
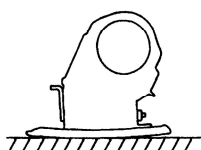


Passenger side

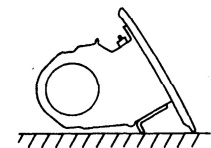
GOOD



NO GOOD



NO GOOD



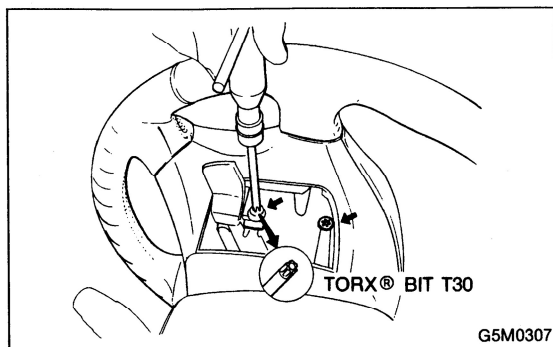
G5M0604

2. Airbag Module

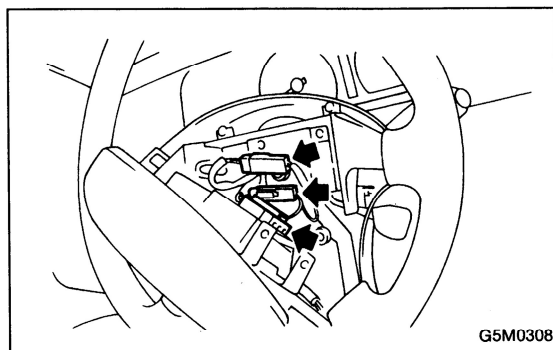
A: REMOVAL

1. DRIVER SIDE

- 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) Remove covers from both sides of steering wheel. Using TORX® BIT T30 (Tamper resistant type), remove four TORX® bolts.

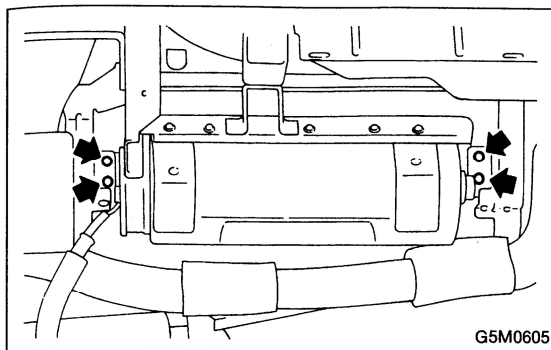


- 5) Disconnect airbag and horn connectors on back of airbag module. <Ref. to [M206].>

- 6) Refer to "Precaution" for handling of a removed airbag module.

2. PASSENGER SIDE

- 1) Remove instrument panel. <Ref. to 5-4 [W1A0].>

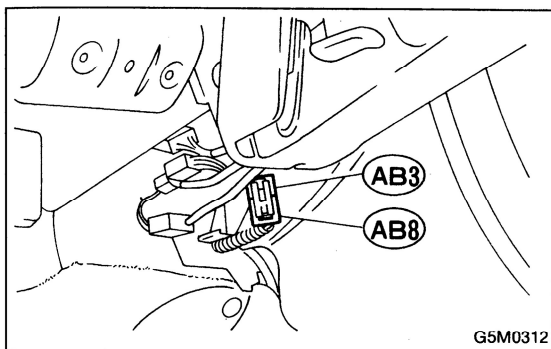


- 2) Remove four bolts and then carefully remove airbag module.
- 3) Refer to "Precaution" for handling of a removed airbag module.

4. Main Harness

A: REMOVAL

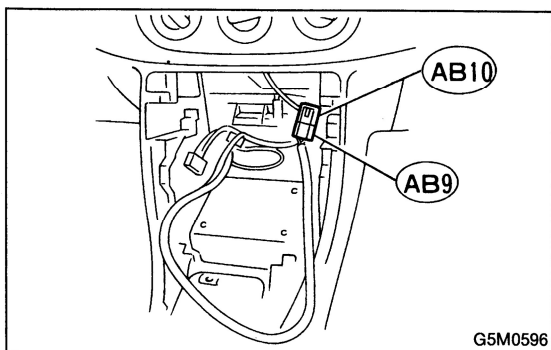
- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery and wait for at least 20 seconds before starting work.



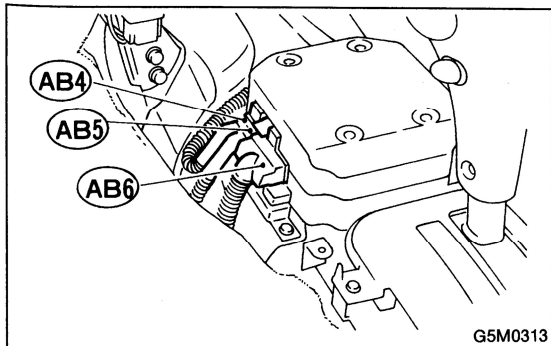
- 3) Remove lower cover. <Ref. to 5-4 [W1A0].> Disconnect airbag connector (AB3) and (AB8) below steering column.

CAUTION:

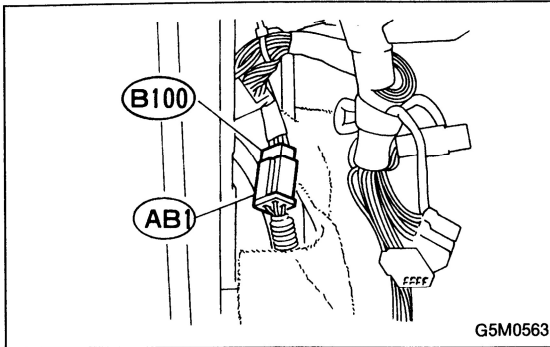
Do not reconnect airbag connector at steering column until main harness are securely re-installed.



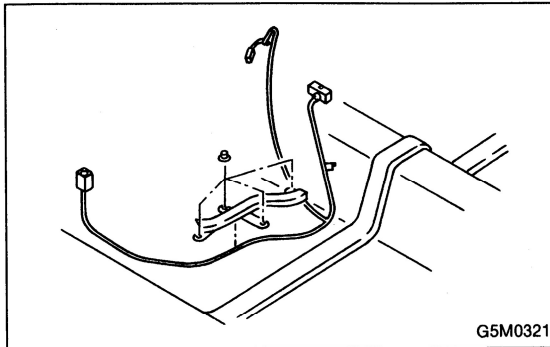
- 4) Disconnect airbag connector (AB9) and (AB10). <Ref. to 5-5 [T5F1].>



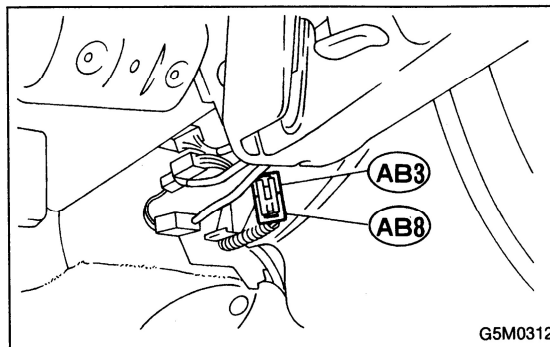
- 5) Remove instrument panel console. <Ref. to 5-4 [W1A0].> Disconnect 12 pin yellow connector (AB6) from airbag control unit. <Ref. to 5-5 [M206].>



6) Disconnect body harness connector (B100) from connector (AB1).



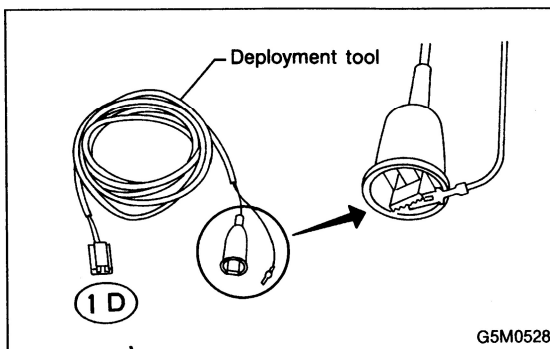
7) Roll up floor mat and side sill cover (LH side). Remove main harness from clip and protector.



7. Disposal of Airbag Module

3. DISPOSAL OF AIRBAG MODULE WHILE STILL INSTALLED (DRIVER SIDE AIRBAG MODULE)

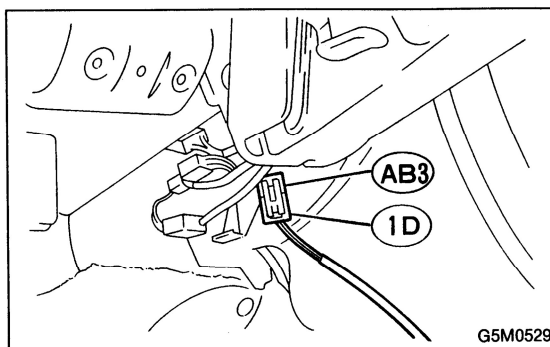
- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery, and wait for at least 20 seconds before starting work.
- 3) Remove lower cover. <Ref. to 5-4 [W1A0].> Disconnect airbag connector (AB3) and (AB8) below steering column.



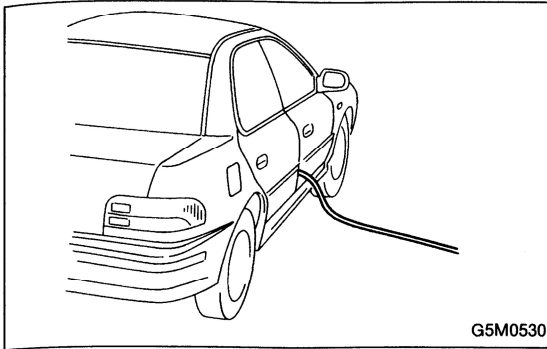
- 4) Short terminal to alligator clip furnished as deployment tool.

CAUTION:

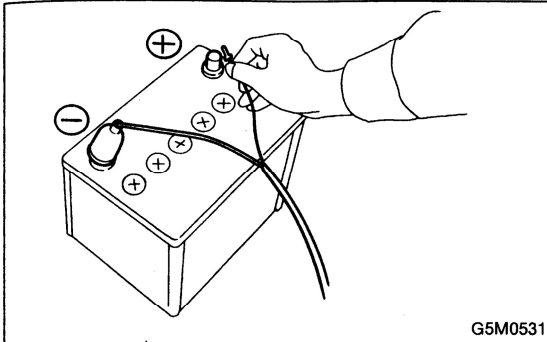
Deployment tool should be kept shorted until just before deployment of airbag module.



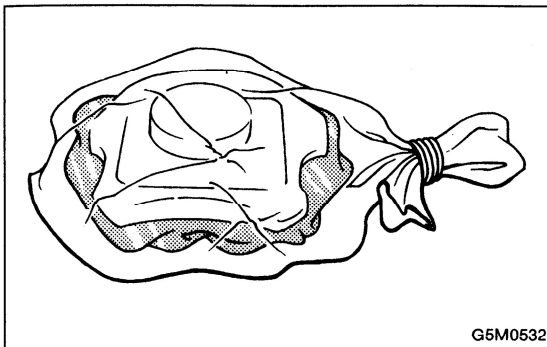
- 5) Connect deployment tool connector (1D) to airbag connector (AB3).



6) Extend deployment tool to the limit and make sure vehicle is empty. Completely close vehicle all windows, sunroof and trunk lid.



7) Move battery at least 5 meter (16 ft) from vehicle and secure area. Connect deployment tool alligator clip to battery minus terminal. Connect the other terminal of deployment tool to battery plus terminal.

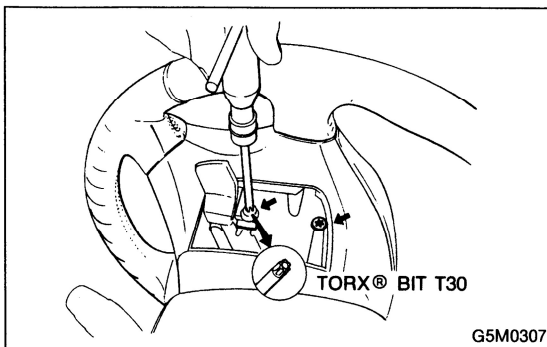


8) After deployment, airbag module is extremely hot. Leave it unattended for 40 minutes.

CAUTION:

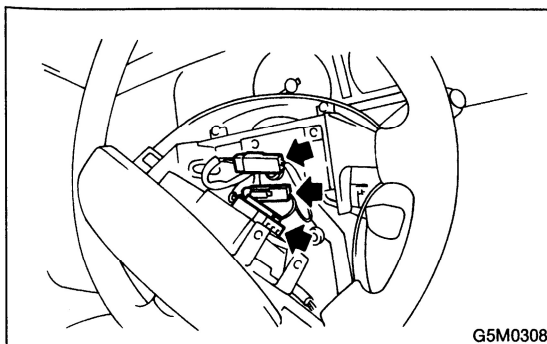
Do not apply water to cool it down.

9) Remove deployed airbag module. Wrap it in an airtight vinyl bag and discard. Do not attempt to disassemble or incinerate airbag module.



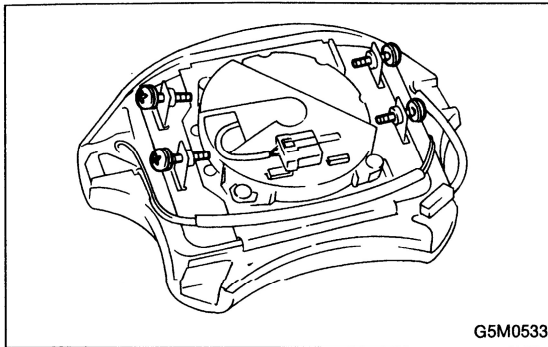
4. DISPOSAL OF AIRBAG MODULE AS A DETACHED UNIT (DRIVER SIDE AIRBAG MODULE)

- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery, and wait for at least 20 seconds before starting work.
- 3) Remove covers from both sides of steering wheel. Using TORX® BIT T30 (Tamper resistant type), remove four TORX® bolts.

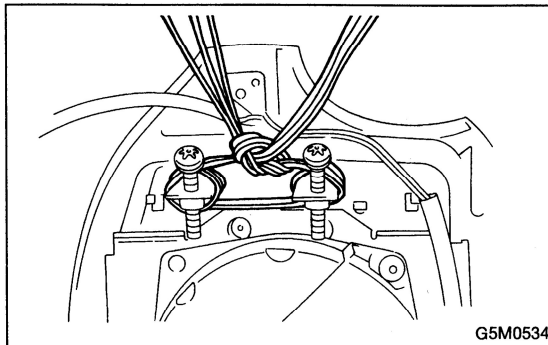


4) Disconnect airbag and horn connectors on back of airbag module. <Ref. to [M2-6].>

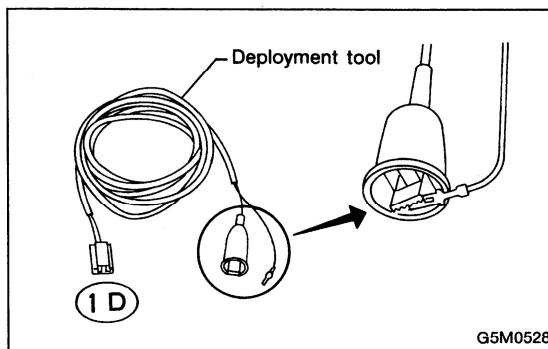
7. Disposal of Airbag Module



5) Replace four removed TORX® bolts on airbag module.



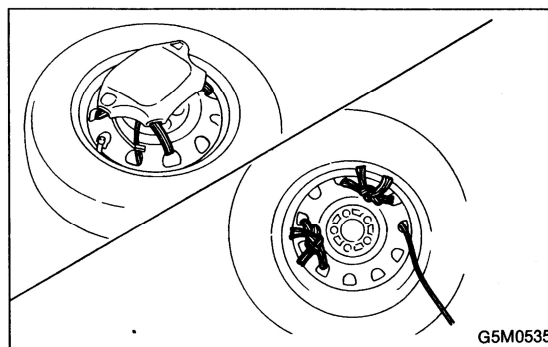
6) Bundle three wire harnesses for automotive use [each with a sectional area of 1.25 mm² (0.00194 sq in) or more] and bind them twofold around airbag module stay.



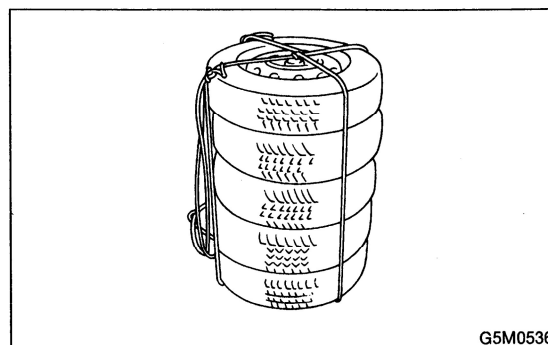
7) Short deployment tool alligator clip to terminal.

CAUTION:

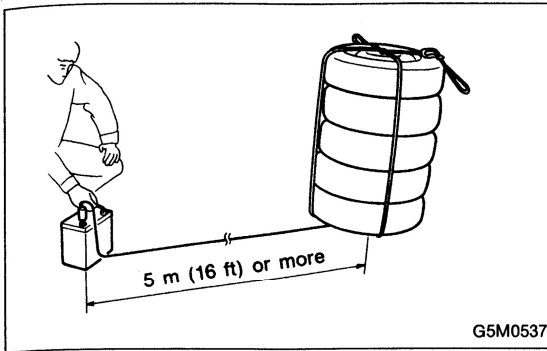
Keep deployment tool shorted until just before airbag module deployment.



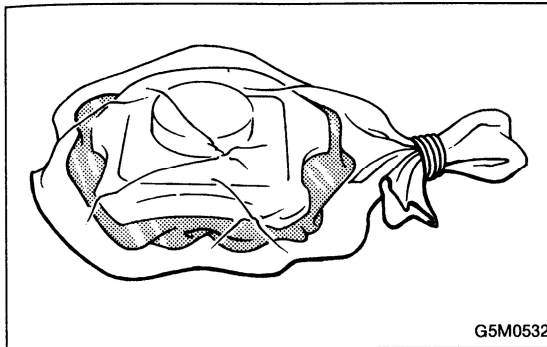
8) Connect connectors of deployment tool (1D) and airbag module.
Install airbag module with pad side facing upward on disk wheel with tire attached.



9) Pile three tires without disk wheel upon the tire installed with airbag module. Pile upon this an additional tire with disk wheel. Fasten this pile tight with rope.



10) Extend deployment tool to the limit. Secure area. Then, connect deployment tool alligator clip to battery minus terminal and the other terminal to battery plus terminal.

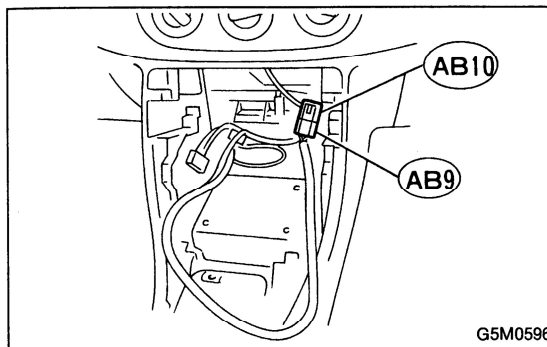


11) After deployment, airbag module is extremely hot. Leave it unattended for 40 minutes.

CAUTION:

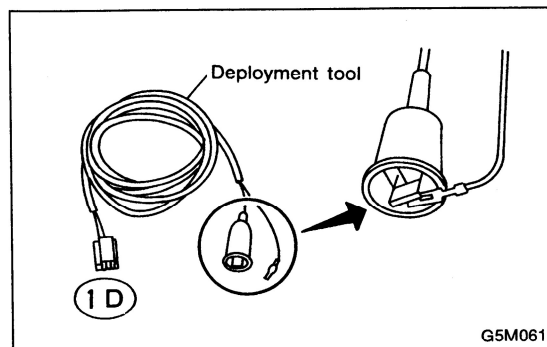
Do not apply water to cool it down.

12) Remove deployed airbag module. Wrap it in an air-tight vinyl bag and discard. Do not attempt to disassemble or incinerate airbag module.



5. DISPOSAL OF AIRBAG MODULE WHILE STILL INSTALLED (PASSENGER SIDE AIRBAG MODULE)

- 1) Turn ignition switch off.
 - 2) Disconnect ground cable from battery, and wait for at least 20 seconds before starting work.
 - 3) Remove console cover and radio. <Ref. to 5-4 [W1A0].>
- Disconnect airbag connector (AB9) and (AB10).

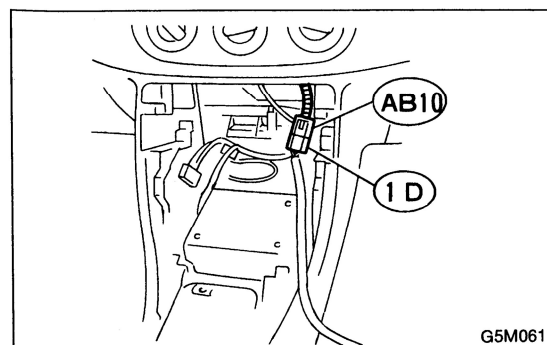


4) Short terminal to alligator clip furnished as deployment tool.

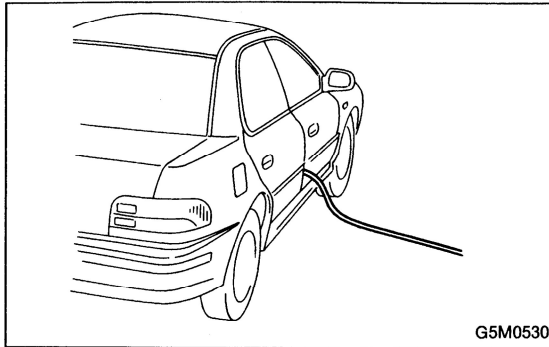
Deployment tool: (Part No. 98299PA030)

CAUTION:

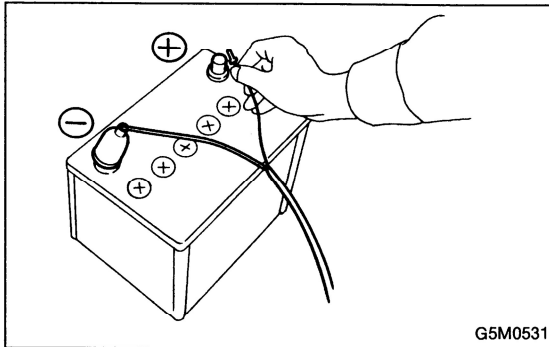
Deployment tool should be kept shorted until just before deployment of airbag module.



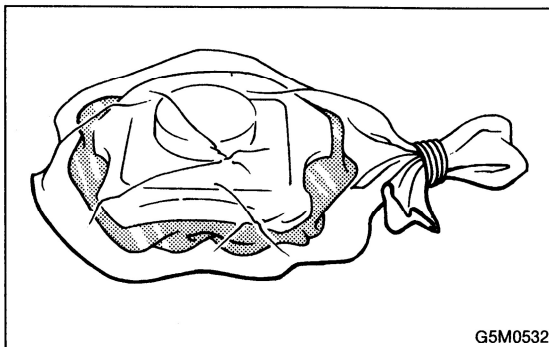
5) Connect deployment tool connector (1D) to airbag connector (AB10).



6) Extend deployment tool to the limit and make sure vehicle is empty. Completely close vehicle all windows, sunroof, trunk lid and rear gate.



7) Move battery at least 5 meter (16 ft) from vehicle and secure area. Connect deployment tool alligator clip to battery minus terminal. Connect the other terminal of deployment tool to battery plus terminal.



8) After deployment, airbag module is extremely hot. Leave it unattended for 40 minutes.

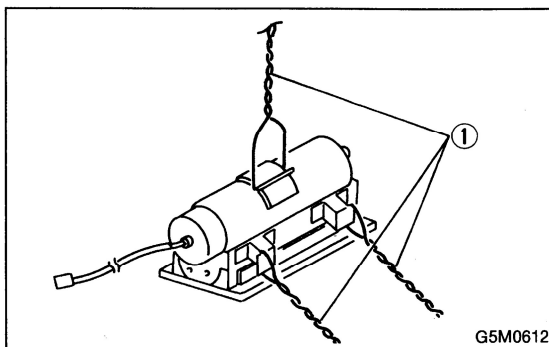
CAUTION:

Do not apply water to cool it down.

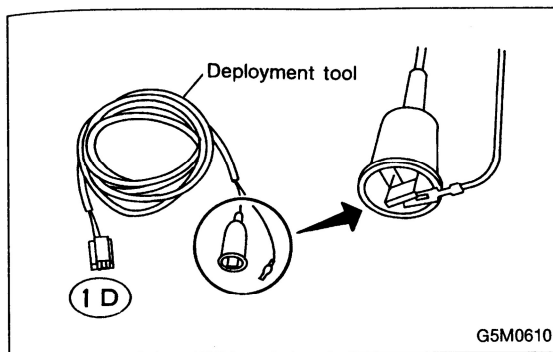
9) Remove deployed airbag module. Wrap it in an airtight vinyl bag and discard. Do not attempt to disassemble or incinerate airbag module.

6. DISPOSAL OF AIRBAG MODULE AS A DETACHED UNIT (PASSENGER SIDE AIRBAG MODULE)

- 1) Turn ignition switch off.
- 2) Disconnect ground cable from battery, and wait for at least 20 seconds before starting work.
- 3) Remove passenger side airbag module. <Ref. to 5-5 [W2A2].>



4) Route two strands of a thick cable ① through airbag module bracket and twist it for added strength.

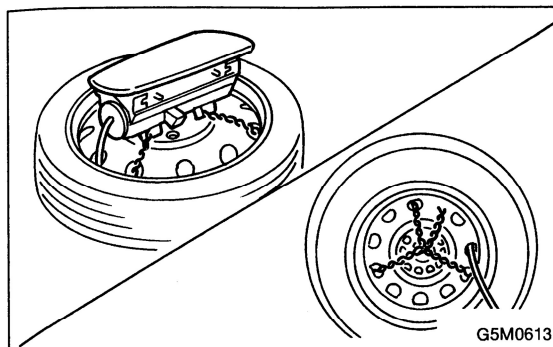


5) Short deployment tool alligator clip to terminal.

Deployment tool: (Part No. 98299PA030)

CAUTION:

Keep deployment tool shorted until just before airbag module deployment.

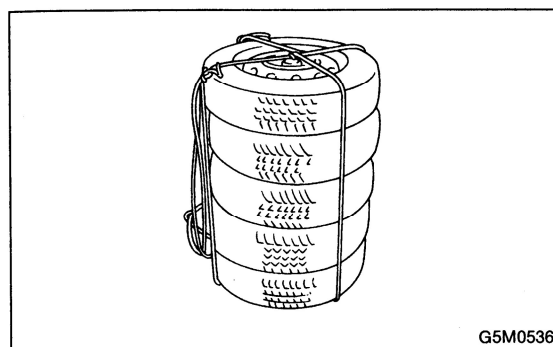


6) Connect connectors of deployment tool (1D) and airbag module.

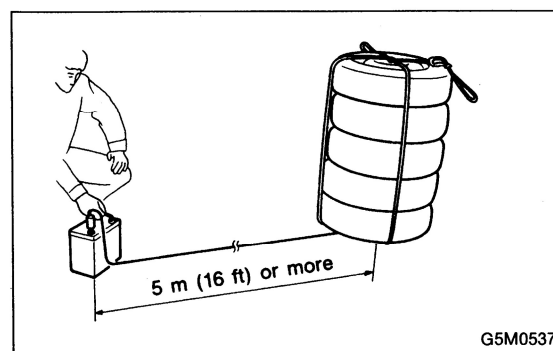
Install airbag module with pad side facing upward on disk wheel with tire attached.

NOTE:

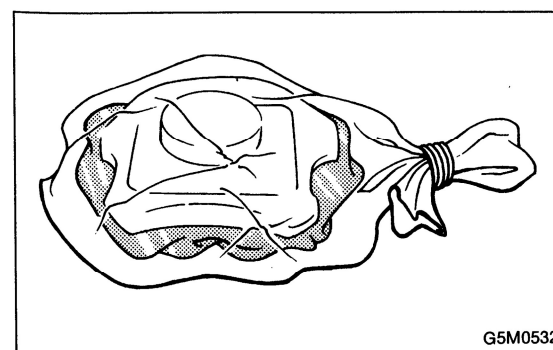
Use 14 inch or greater size disk wheel with tire.



7) Pile three tires without disk wheel upon the tire installed with airbag module. Pile upon this an additional tire with disk wheel. Fasten this pile tight with rope.



8) Extend deployment tool to the limit. Secure area. Then, connect deployment tool alligator clip to battery minus terminal and the other terminal to battery plus terminal.



9) After deployment, airbag module is extremely hot. Leave it unattended for 40 minutes.

CAUTION:

Do not apply water to cool it down.

10) Remove deployed airbag module. Wrap it in an air-tight vinyl bag and discard. Do not attempt to disassemble or incinerate airbag module.